Volume 8

Number	Descriptor: epoch J1991.25					Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)														Soln	
HIP	RA	Dec	V			α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	$\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag			deg	deg		mas	mas/yr		mas		mas	mas/yr		$\alpha*$	$\alpha*$	δ	$\alpha*$	δ	π	$\alpha*$	δ	π	$\mu_{\alpha*}$	%	
1 2	3	4	5 6 7			8	9 10		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
68301	13 58 53.51	−06 34 03.0	9.11	H		209.722 978 45	−06.567 505 59		9.45	−49.32	−11.73	1.19	0.73	1.36	1.18	0.79	−13	−39	− 7	+10	− 8	+19	−16	− 2	+25	−12	0	0.82
68302	13 58 54.22	+24 41 32.3	7.26	1 H		209.725 933 48	+24.692 315 77		−1.38	−48.69	−45.88	0.73	0.53	0.90	0.76	0.57	− 5	− 2	−11	+ 8	−10	+ 7	− 8	+24	−20	−12	2	−0.53
68303	13 58 54.62	−19 10 37.2	10.53	H		209.727 562 55	−19.177 013 49		10.36	−180.83	−68.23	1.75	1.30	2.12	2.84	1.84	−28	+ 7	−33	+20	+17	−18	+11	−56	+46	−35	0	0.57
68304 H	13 58 55.40	+53 06 23.3	6.83	H		209.730 818 49	+53.106 474 80	A	6.95	18.08	−0.78	0.79	0.82	0.92	0.88	0.79	+ 8	− 3	−25	+13	− 4	+11	− 1	+16	− 6	− 7	1	3.01
68305	13 58 55.85	−33 08 12.8	9.65	H		209.732 722 42	−33.136 894 05		1.31	−20.27	−15.07	1.13	0.92	1.49	1.37	1.18	−16	−25	−18	−13	− 4	+ 4	− 9	−24	+29	−11	0	−0.02
68306	13 58 56.82	+07 17 57.2	8.93	H		209.736 740 33	+07.299 212 55		1.53	5.07	2.53	1.02	0.75	1.27	1.27	0.81	−27	−22	− 5	−16	−13	+31	+ 0	+41	−34	−44	0	−0.49
68307	13 58 56.88	−17 37 48.5	9.44	H		209.736 995 39	−17.630 133 84		3.40	−4.50	−9.43	1.47	1.38	1.61	1.50	1.51	−58	+16	−37	+25	+20	+14	+46	−81	+49	−26	0	0.14
68308	13 58 59.35	−28 13 57.5	8.57	H		209.747 298 77	−28.232 641 11		4.53	19.34	−45.20	0.96	0.92	1.37	1.16	1.12	−24	−16	−45	+ 8	+14	+10	+12	−47	+27	−39	0	−0.64
68309	13 58 59.90	−06 55 30.2	6.95	H		209.749 598 33	−06.925 059 44		6.71	16.98	−72.44	0.95	0.59	0.89	0.98	0.62	+ 7	−28	−14	+44	+21	− 5	+23	+13	+ 2	+15	0	−0.23
68310	13 59 00.29	−30 09 35.2	8.19	G		209.751 208 50	−30.159 768 84		16.01	136.37	−100.05	0.81	0.67	1.10	0.98	0.95	−41	−28	+ 3	+12	−13	+ 9	−19	+ 3	+16	−45	0	0.34
68311	13 59 00.38	+28 54 33.1	10.06	H		209.751 585 15	+28.909 198 05		2.54	−41.69	25.27	1.23	1.21	1.96	1.23	1.20	− 2	−19	−47	−32	+ 1	+ 0	+ 1	−16	+13	−26	3	0.49
68312	13 59 00.41	+15 32 55.3	8.13	H		209.751 708 70	+15.548 698 15		7.39	−40.90	−14.14	0.73	0.54	1.02	0.85	0.61	−18	+ 4	−30	−17	+23	−26	+16	−28	+17	−35	0	0.56
68313	13 59 00.49	+29 44 17.8	10.26	H		209.752 032 64	+29.738 286 72		11.62	−177.01	−154.21	1.36	1.17	1.82	1.66	1.18	−14	− 8	−33	−27	− 4	− 2	− 2	− 2	− 9	−21	2	2.13
68314	13 59 03.65	−18 37 22.6	7.07	H		209.765 199 38	−18.622 934 23		5.74	43.74	9.79	0.83	0.66	0.97	0.97	0.83	−30	− 4	−31	+25	+23	− 3	+21	−55	+44	−28	0	1.85
68315	13 59 03.77	+28 17 29.6	9.94	H		209.765 695 10	+28.291 543 74		1.86	15.97	−13.69	1.18	1.16	1.72	1.27	1.24	−21	+ 9	−32	−49	+ 8	−10	+ 9	−17	+15	−28	3	−0.34
68316 H	13 59 05.24	+25 48 57.6	7.09	H		209.771 849 33	+25.816 011 30	A	4.11	11.73	−4.98	1.13	0.88	1.14	1.01	0.68	−23	+ 5	−17	+18	+ 7	+17	+ 7	− 3	+ 1	−20	0	0.16
68317	13 59 07.15	+36 37 31.8	9.97	H		209.779 809 92	+36.625 506 57		3.29	−4.05	1.63	0.94	1.08	1.60	1.05	1.10	+ 4	− 3	−41	−36	− 8	− 2	− 7	+ 3	− 2	− 4	0	−0.53
68318	13 59 07.68	+08 09 05.1	11.30	H		209.782 007 55	+08.151 424 68		−4.72	3.89	−50.00	2.40	1.57	2.53	2.58	1.68	−14	− 6	−13	−22	−23	+ 2	− 9	+45	−26	−34	0	−0.67
68319	13 59 09.08	−37 35 46.5	7.69	H		209.787 846 34	−37.596 244 09		3.87	14.00	−34.94	0.82	0.68	1.03	1.06	0.96	−22	−14	+ 2	+20	− 6	+19	− 8	+10	+ 3	−24	0	−2.29
68320	13 59 09.17	−69 34 37.1	8.99	G		209.788 209 68	−69.576 972 45		1.46	−21.52	−12.18	0.77	0.85	1.16	0.84	0.93	+19	−22	−11	− 9	+ 9	+ 0	+ 3	− 2	+16	+33	1	0.21
68321	13 59 09.42	+33 51 43.1	10.05	G		209.789 253 02	+33.861 976 57		5.37	89.09	−429.19	1.06	1.10	1.60	1.39	1.20	−11	+ 7	−31	+21	−12	− 3	−14	+12	−13	−12	0	0.39
68322 H	13 59 09.47	−55 59 14.0	9.41	G		209.789 442 13	−55.987 229 66	A	2.15	−3.65	−1.34	1.55	1.74	2.28	2.01	1.98	−20	− 5	+19	+15	− 9	−10	−11	+31	+17	− 2	3	0.35
68323	13 59 09.71	−45 28 07.7	7.38	G		209.790 447 17	−45.468 812 22		15.85	−50.48	−68.57	0.74	0.55	0.86	0.74	0.67	+ 1	−27	− 1	−28	−15	−19	−19	− 8	+ 8	− 5	0	2.27
68324	13 59 09.83	+22 28 18.2	8.41	H		209.790 948 12	+22.471 710 53		2.98	11.08	−27.63	0.83	0.64	1.07	0.92	0.69	−24	−19	+ 2	−10	−14	−10	− 9	+ 7	+ 9	−52	0	−0.96
68325	13 59 10.48	−50 57 21.9	8.98	G		209.793 676 26	−50.956 076 44		0.70	−13.06	−3.77	0.73	0.70	1.18	0.90	0.70	−14	−17	+11	+21	−14	−28	− 7	+ 4	+ 3	+ 8	0	−0.91
68326	13 59 10.72	+64 23 06.6	7.11	H		209.794 681 25	+64.385 170 23		4.82	−41.56	27.81	0.50	0.52	0.60	0.50	0.54	+ 7	−22	−11	−18	− 1	−10	− 1	−14	− 8	+ 0	0	1.19
68327	13 59 10.79	+37 00 49.9	9.48	H		209.794 973 44	+37.013 847 36		3.92	2.52	6.64	0.84	0.90	1.36	0.96	0.91	+ 2	− 7	−33	−10	−13	+ 7	− 9	+ 2	+ 1	−13	0	0.18
68328	13 59 13.85	−51 52 38.7	9.76	2 H		209.807 691 72	−51.877 408 04		8.60	−26.75	−23.66	1.14	0.88	1.62	1.11	0.99	− 3	−41	−12	+15	+ 0	−21	−14	−11	+30	− 8	5	2.77
68329	13 59 15.20	−40 07 27.2	7.92	G		209.813 312 66	−40.124 232 32		7.84	−59.12	−26.59	0.81	0.61	0.92	0.89	0.70	− 3	−11	− 8	−34	− 7	−12	−13	− 9	+ 8	+ 8	0	−0.02
68330	13 59 16.24	−24 15 45.8	9.00	H		209.817 671 49	−24.262 720 55		3.47	−30.57	−2.02	1.29	0.74	1.20	2.11	0.93	+ 7	+ 6	+ 4	−20	−37	− 5	−30	−17	+ 5	+22	0	0.25
68331	13 59 16.61	+59 04 39.8	8.63	H		209.819 203 68	+59.077 725 26		8.29	−8.30	1.20	0.61	0.69	0.78	0.68	0.77	+ 7	− 3	−20	− 9	− 7	−14	− 9	+ 0	−13	+ 5	0	−1.12
68332	13 59 16.69	+54 07 57.7	8.85	H		209.819 521 09	+54.132 696 43		4.30	−3.92	−5.84	0.69	0.72	0.84	0.79	0.77	+20	+ 3	− 9	− 7	+ 1	− 3	+ 0	+ 5	−14	+19	1	−1.20
68333	13 59 17.46	−50 22 10.6	5.92	H		209.822 736 25	−50.369 606 07		9.72	28.47	−16.71	0.51	0.43	0.76	0.61	0.44	− 7	−31	+ 8	+18	−19	−29	−15	+11	+ 2	+14	0	−0.19
68334	13 59 17.68	−36 32 52.3	10.26	H		209.823 676 75	−36.547 854 71		−1.94	−7.66	0.53	1.55	1.16	1.92	2.02	1.55	−18	−20	+ 8	+ 5	− 5	− 2	− 7	−13	+24	− 6	0	−0.16
68335	13 59 18.09	−51 53 34.0	8.43	H		209.825 374 85	−51.892 791 22		8.61	−28.20	−22.73	0.71	0.61	1.09	0.68	0.68	− 2	−42	−15	+ 9	+ 2	−22	−13	− 9	+28	−10	0	−0.21
68336	13 59 19.27	+56 29 09.2	8.53	H		209.830 300 45	+56.485 883 21		6.95	−89.31	−15.86	0.62	0.64	0.75	0.79	0.75	+ 8	− 4	−20	+24	−11	+17	− 8	+12	−12	− 1	0	0.66
68337	13 59 19.50	+22 52 11.0	9.05	H		209.831 270 21	+22.869 719 86		41.97	−161.65	14.25	0.98	0.68	1.17	0.99	0.70	−14	−17	− 8	−22	−17	+ 4	− 9	+ 4	+ 3	−44	0	−1.93
68338	13 59 19.75	+48 05 35.7	9.70	1 H		209.832 281 93	+48.093 247 33		−0.38	−4.91	−19.75	0.86	0.97	1.18	1.09	1.03	+12	− 8	−20	−10	−11	+17	− 7	−11	− 3	− 1	1	0.74
68339 H	13 59 20.09	−62 27 37.2	8.49	2 G		209.833 709 79	−62.460 337 23	A	1.86	−8.98	−4.54	0.98	1.37	1.76	1.17	1.47	+27	− 2	+ 8	+34	+12	− 2	+12	+18	+10	+34	4	1.15
68340	13 59 20.69	+16 35 44.5	10.15	H		209.836 209 10	+16.595 685 90		5.45	4.66	−1.87	1.29	0.88	1.58	1.40	0.94	−12	− 9	− 3	+22	+16	− 1	+16	− 6	−16	−15	0	−0.79
68341	13 59 21.34	−67 50 26.3	7.43	H		209.838 932 31	−67.840 627 19		0.49	−5.82	−4.01	0.50	0.56	0.81	0.64	0.68	+21	+ 4	+12	+17	+12	−19	+14	+26	+12	+35	0	−0.05
68342	13 59 21.89	+25 14 24.1	10.75	H		209.841 199 67	+25.240 033 41		24.23	−529.30	−93.66	1.74	1.23	2.09	2.03	1.25	−15	− 3	−27	−29	+ 9	−17	+ 6	− 9	−15	−18	2	0.41
68343	13 59 22.65	−31 44 37.8	8.13	G		209.844 387 58	−31.743 822 16		6.76	−44.20	−19.12	0.80	0.67	1.02	0.90	0.82	−29	−31	+ 1	+ 5	+ 5	− 8	+ 0	−20	+22	−24	0	0.91
68344	13 59 24.50	−57 50 17.0	9.39	G		209.852 067 23	−57.838 061 62		1.59	−10.01	−4.93	0.98	0.92	1.34	1.12	1.14	− 6	−27	+12	+30	− 4	+ 2	−12	+37	+30	+ 8	0	−0.46
68345	13 59 25.81	+05 42 15.2	8.43	H		209.857 541 79	+05.704 212 79		8.65	−42.38	9.06	1.08	0.70	1.29	1.27	0.74	−25	−18	+ 5	+ 9	− 4	+40	+ 1	+37	−30	−46	0	0.81
68346 H	13 59 26.10	+24 18 02.8	8.16	G		209.858 750 86	+24.300 777 89	A	2.05	3.84	3.65	1.18	0.86	1.26	1.10	0.80	−26	+ 5	−11	− 8	+ 6	+10	+ 8	−20	+ 5	−35	1	−0.29
68347	13 59 26.76	+24 47 11.2	9.24	H		209.861 504 29	+24.786 436 73		4.31	−26.70	9.57	1.13	0.74	1.27	1.16	0.76	−18	−12	−12	−31	+10	+ 9	+13	−19	−15	−28	0	0.05
68348	13 59 27.65	−05 25 24.2	7.39	H		209.865 213 90	−05.423 376 80		20.78	55.32	−199.01	0.84	0.59	0.93	0.86	0.67	−20	−28	+ 2	−12	−28	−11	−35	−15	+32	−36	0	0.42
68349	13 59 27.68	+50 31 00.9	9.29	G		209.865 323 84	+50.516 906 94		3.53	−29.46	0.71	0.72	0.70	0.91	0.92	0.74	+11	−12	−23	+14	+ 5	+ 9	+ 6	+ 6	− 7	+ 2	0	0.65
68350 H	13 59 27.82	−66 42 40.6	7.67	H		209.865 904 36	−66.711 289 78	A	5.65	−30.23	−15.33	0.90	0.95	1.29	0.91	1.01	+37	−24	+ 3	− 2	−12	−27	− 5	−14	−16	+49	2	0.78
68351	13 59 28.35	−43 42 10.9	7.94	H		209.868 127 05	−43.703 021 81		3.98	−40.05	−9.78	0.88	0.64	1.02	0.99	0.76	−16	−27	− 1	+30	− 3	+ 5	− 8	−11	+22	−14	0	−0.07
68352	13 59 28.36	−37 19 25.2	8.74	H		209.868 162 13	−37.323 661 15		0.86	−2.92	−13.28	1.05	0.75	1.37	1.13	1.01	−19	−41	+ 0	+13	− 4	+ 0	−15	− 5	+31	−14	0	1.25
68353	13 59 29.73	+08 56 18.1	9.09	H		209.873 877 29	+08.938 371 23		3.25	−22.35	14.62	0.96	0.82	1.28	1.05	0.86	−40	−20	− 7	+28	− 6	−18	− 7	+35	− 5	−47	2	−0.27
68354	13 59 30.33	−44 17 08.1	9.56	G		209.876 366 39	−44.285 594 28		1.69	−19.65	−6.41	1.17	0.94	1.41	1.50	1.14	−17	− 2	+ 6	+15	− 2	− 7	− 3	−26	+16	−22	0	1.26
68355	13 59 32.17	−69 57 29.4	8.21	H		209.884 046 09	−69.958 175 65		0.58	−20.98	−10.48	0.58	0.73	0.92	0.72	0.79	+23	− 4	+ 7	− 1	+ 8	− 6	+ 7	+ 0	+14	+37	2	−1.84
68356	13 59 33.10	+48 32 58.0	7.85	H		209.887 910 23	+48.549 432 36		3.63	−21.53	11.16	0.57	0.61	0.77	0.61	0.63	+ 6	−14	−16	+ 2	− 9	+ 5	− 7	+ 0	−10	− 1	0	0.63
68357	13 59 33.45	+37 11 50.5	8.99	2 H		209.889 379 40	+37.197 365 16		3.40	25.03	−21.66	0.72	0.79	1.27	0.86	0.89	+16	+ 5	−30	−21	− 6	+ 0	− 2	−13	+17	−15	0	0.07
68358	13 59 33.61	−58 23 51.2	9.71	G		209.890 035 53	−58.397 545 18		1.90	−13.95	−4.95	1.09	0.98	1.49	1.32	1.12	+ 2	−35	+ 9	+20	− 4	−10	− 9	+27	+18	+22	0	−1.31
68359	13 59 34.79	−49 01 02.6	8.93	H		209.894 974 10	−49.017 392 77		4.07	−6.73	−4.55	0.71	0.68	1.12	0.82	0.64	−20	−26	+11	+34	−17	−19	−14	+35	+ 2	+ 6	0	0.84
68360	13 59 35.90	+30 23 53.5	9.81	H		209.899 564 71	+30.398 182 28		2.30	10.44	6.58	0.92	0.98	1.60	1.37	1.04	−20	+25	−36	+21	+ 3	+11	+ 6	− 2	− 4	− 5	1	0.72
68361	13 59 36.45	+55 49 04.7	8.79	H		209.901 858 63	+55.817 979 84		6.29	19.15	−1.22	0.63	0.67	0.78	0.74	0.78	+17	− 9	− 9	−20	− 6	− 9	− 5	+15	−17	+17	0	−1.49
68362	13 59 36.90	−61 57 37.2	9.16	H		209.903 765 62	−61.960 339 56		−0.15	−10.92	−8.82	0.91	0.92	1.40	1.26	0.98	+19	−14	− 2	− 4	+23	+20	+12	+ 3	+26	+55	0	2.39
68363	13 59 37.12	−55 44 24.4	8.74	H		209.904 682 37	−55.740 114 24		6.62	−42.18	−27.33	0.79	0.79	1.06	0.81	0.87	− 7	−19	+ 9	+21	− 7	−11	−10	+40	+ 8	+ 3	0	0.79
68364	13 59 37.99	−27 50 01.9	8.34	H		209.908 285 72	−27.833 871 47		3.79	−12.93	−7.11	0.89	0.86	1.09	1.17	1.16	−36	−12	−25	+ 2	+23	− 1	+17	−48	+14	−48	2	0.64
68365 H	13 59 38.20	−61 43 24.0	7.85	H		209.909 180 64	−61.723 328 10	A	1.90	2.79	2.33	1.48	1.42	1.49	1.27	1.04	+32	−12	+ 8	− 6	+10	− 3	+ 5	− 4	+ 7	+54	4	0.76
68366	13 59 40.63	−67 50 49.1	8.20	1 H		209.919 303 36	−67.846 974 14		1.94	−11.09	7.75	0.66	0.71	1.09	0.87	0.82	+21	−11	+ 7	+14	+10	−27	+13	+ 7	− 2	+41	0	−1.86
68367	13 59 41.00	+22 55 55.8	8.67	H		209.920 821 92	+22.932 166 64		15.29	−64.46	−10.99	0.85	0.60	1.05	0.86	0.62	−11	−19	− 6	−16	−22	+ 5	−14	+14	− 3	−39	0	0.00
68368	13 59 41.05	+52 09 29.8	8.18	2 G		209.921 032 57	+52.158 279 02		6.13	−42.14	16.37	0.68	0.66	0.83	0.82	0.69	− 2	+ 2	−34	+37	−11	+ 8	+12	+23	−13	−22	0	−0.28
68369	13 59 41.52	+42 02 59.1	7.80	H		209.922 985 50	+42.049 736 87		10.40	5.17	28.66	0.51	0.61	0.79	0.62	0.60	+12	+ 4	−24	− 9	− 7	− 7	− 9	−21	+ 6	− 5	0	0.39
68370	13 59 42.20	−00 10 03.1	9.12	H		209.925 826 28	−00.167 517 11		4.97	2.51	−7.96	1.33	0.85	1.46	1.34	0.94	−12	−38	−14	−23	−26	+ 5	−30	+ 0	+25	−25	0	1.83
*68371	13 59 43.38	−09 38 39.0	9.18	H		209.930 744 33	−09.644 164 63		1.89	−27.41	0.02	1.22	0.96	1.40	1.33	1.16	−22	−29	−19	+19	−11	−10	−17	+ 9	+13	−32	0	1.66
*68372	13 59 43.35	−33 32 20.6	8.09	H		209.930 622 99	−33.539 058 78		0.46	−14.92	−0.61	0.81	0.64	0.97	1.09	0.81	−18	−12	− 7	− 6	− 7	− 6	− 9	−10	+22	− 1	0	−0.96
68373	13 59 44.73	+00 02 56.9	7.91	H		209.936 361 30	+00.049 147 92		6.08	29.05	−28.54	1.05	0.70	1.11	1.07	0.74	−12	−23	−14	−18	−25	+ 2	−26	+ 8	+14	−23	0	2.94
68374	13 59 45.57	−26 38 40.0	10.49	G		209.939 883 31	−26.644 444 88	A	20.97	192.61	−59.97	3.41	2.34	3.15	3.46	2.69	−26	−20	−16	+28	− 6	+26	−13	− 8	+ 5	−44	3	0.20
68375	13 59 46.00	−50 13 40.5	7.58	H		209.941 670 75	−50.227 918 32		10.51	10.05	−87.61	0.62	0.53	0.94	0.76	0.53	−11	−27	+13	+25	−21	−32	−13	+10	− 3	+14	0	0.18
68376	13 59 47.02	−10 26 15.0	9.91	G		209.945 933 05	−10.437 497 41		13.19	67.47	−113.48	1.95	1.42	2.52	2.30	1.89	−20	−27	−40	+38	− 4	+ 5	−15	− 8	+29	−46	0	2.36
68377	13 59 47.68	+67 02 14.6	8.87	H		209.948 680 26	+67.037 387 69		11.96	16.53	30.46	0.61	0.67	0.72	0.67	0.79	+11	−13	−17	+ 0	− 1	+ 5	+ 0	+15	+ 2	+ 2	0	2.78
68378 H	13 59 48.20	+19 52 58.4	8.77	H		209.950 849 86	+19.882 875 63	A	7.77	15.62	−9.15	2.18	2.07	2.50	2.29	2.03	+ 5	+13	−10	+12	+ 2	−10	− 2	+ 4	−10	−29	0	0.20
68379	13 59 48.70	+12 31 20.9	8.87	H		209.952 935 91	+12.522 482 01		8.12	−55.13	2.55	1.12	0.67	1.29	1.22	0.70	− 3	−17	+ 0	+50	+39	− 7	+12	+23	−13	−15	0	0.44
68380 H	13 59 49.30	−03 32 58.7	6.36	G		209.955 403 45	−03.549 651 13	*	12.89	−29.68	−56.30	0.80	0.62	0.94	1.10	0.82	−33	+10	−26	−11	−14	−21	−14	+ 0	+18	−57	0	1.52
68381	13 59 50.04	+27 15 49.5	9.39	H		209.958 499 23	+27.263 743 41		2.58	7.29	−12.22	0.79	0.89	1.34	1.19	0.88	−29	+21	−35	−13	+ 2	+ 3	+ 4	− 4	+ 3	−22	2	1.39
68382	13 59 50.83	+73 23 53.5	7.80	H		209.961 792 34	+73.398 197 45		12.90	−8.10	−17.70	0.57	0.59	0.66	0.79	0.72	+ 3	− 1	−19	+ 5	− 4	+ 5	− 3	+ 2	+14	− 3	0	−0.21
68383	13 59 53.43	−22 20 41.2	8.71	2 H		209.972 612 14	−22.344 780 59		1.09	−30.85	−10.49	1.04	0.67	1.13	1.22	0.78	−12	−10	−21	+38	+ 1	+29	+ 9	− 6	+18	− 2	0	0.28
68384 H	13 59 55.68	+28 09 40.4	9.32	2 H		209.981 990 69	+28.161 222 97	A	8.43	−33.46	21.84	1.84	1.65	2.30	1.61	1.61	−28	+14	−40	−46	+17	−19	+ 7	− 7	+30	−24	1	1.06
68385	13 59 55.87	−35 36 38.3	8.85	H		209.982 801 62	−35.610 630 66		2.22	4.06	1.06	1.16	0.96	1.43	1.59	1.29	−27	−16	+ 8	+25	+ 4	+ 6	+ 6	−26	+22	−11	0	−0.52
68386	13 59 57.51	+03 21 28.5	10.18	G		209.989 616 23	+03.357 912 64		5.26	43.58	−22.51	1.29	0.93	1.67	1.46	1.07	−34	− 4	−27	+ 2	−21	+32	+ 3	+51	−42	−68	0	1.15
68387	13 59 58.01	+47 15 42.1	9.62	H		209.991 724 53	+47.261 689 84		6.14	−24.46	−12.28	0.83	0.85	1.14	1.21	0.97	+14	+11	−19	+14	− 2	+ 4	− 2	+ 0	− 8	+13	1	2.05
68388	13 59 58.47	−65 32 31.5	7.55	H		209.993 617 91	−65.542 080 57		5.12	−40.37	−12.79	0.50	0.59	0.82	0.64	0.69	+41	−25	−15	+ 2	+ 4	+ 6	+ 1	+ 0	+13	+50	0	0.32
68389	13 59 59.38	+52 27 55.2	8.54	H		209.997 399 32	+52.465 328 54		2.69	−12.89	0.66	0.68	0.65	0.84	0.86	0.67	+12	+ 3	−33	+36	− 3	+18	− 4	+ 5	−12	− 9	0	0.31
68390	14 00 00.25	−25 00 36.6	5.77	H		210.001 025 45	−25.010 179 78		17.43	−194.14	−91.78	0.71	0.47	0.78	0.90	0.62	−17	−21	− 7	+14	−16	− 6	−18	+ 6	+ 4	−26	5	2.44
68391	14 00 03.02	−23 25 37.9	8.26	H		210.012 578 50	−23.427 198 18		2.84	−32.92	−24.85	0.88	0.63	0.95	1.13	0.70	− 8	−16	−27	+ 9	−15	+ 3	−14	− 5	+18	+ 4	2	2.23
68392 H	14 00 03.09	+04 16 23.8	8.53	H		210.012 864 42	+04.273 279 03	*	7.31	−31.71	−19.42	1.64	1.71	1.47	1.31	1.16	−35	−16	+ 0	+21	−34	+26	−21	+58	−23	−74	0	0.44
68393	14 00 03.60	−11 47 07.9	8.66	H		210.014 994 10	−11.785 528 62		9.48	49.57	−97.71	1.14	1.00	1.47	1.47	1.32	−31	− 3	−46	+13	+31	−20	+11	−72	+50	−52	0	1.73
68394	14 00 03.62	+27 08 27.0	8.34	H		210.015 076 34	+27.140 822 84		13.17	−33.29	59.66	0.64	0.70	1.06	0.85	0.68	−27	+13	−37	−13	+ 4	+ 0	+ 3	+ 2	− 1	−24	0	0.03
68395	14 00 03.71	+52 55 47.6	9.06	H		210.015 456 16	+52.929 900 91		1.76	−8.57	−9.62	0.76	0.77	0.97	0.95	0.77	+23	−14	−36	+ 7	− 2	+11	+ 3	+ 8	− 9	+ 0	0	−1.27
68396	14 00 04.30	−12 42 23.2	9.48	H		210.017 907 12	−12.706 437 54		11.73	−76.42	1.01	1.58	1.16	1.91	1.95	1.42	−24	+ 5	−56	+52	+ 0	+21	+ 9	−76	+57	−16	0	0.95
68397	14 00 04.53

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
68301	9.754	0.026	9.162	0.025		0.552	0.032	T	0.62	0.03	L	9.2283	0.0018	0.018	66		9.19	9.26		C			1							S
68302	8.813	0.013	7.412	0.008		1.184	0.012	T	1.14	0.01	L	7.4258	0.0027	0.020	96		7.40	7.46		U 2			1							S
68303	11.455	0.099	10.521	0.066		0.811	0.092	T	0.84	0.07	L	10.6700	0.0032	0.026	74		10.59	10.73		C			1							G
68304	6.975	0.005	6.826	0.005	*	0.143	0.007	T	0.16	0.01	L *	6.8820	0.0010	0.008	118	*	6.87	6.90		D	13589+5306	I 1	2 C B	AB	3	7.956	0.016	3.13	0.08	S
68305	10.068	0.031	9.702	0.035		0.357	0.041	T	0.42	0.04	L	9.7380	0.0025	0.019	90		9.69	9.77		C			1							
68306	10.329	0.040	9.055	0.023		1.085	0.036	T	1.05	0.03	L	9.0961	0.0027	0.017	84		9.07	9.13					1							
68307	10.943	0.050	9.580	0.024		1.154	0.043	T	1.12	0.04	L	9.6056	0.0019	0.019	92		9.57	9.64		C			1							
68308	9.719	0.024	8.683	0.017		0.901	0.022	T	0.90	0.02	L	8.7268	0.0025	0.015	77		8.71	8.75		C			1							
68309	8.200	0.009	7.067	0.007		0.975	0.009	T	0.96	0.01	L	7.1132	0.0012	0.008	62		7.10	7.13		C			1							S
68310	8.852	0.012	8.275	0.011		0.564	0.015	G	0.64	0.01	H	8.3091	0.0020	0.016	102		8.29	8.36			13590−3010	I 1	1							S
68311	11.239	0.060	10.157	0.038		0.880	0.015	G	0.89	0.01	H	10.2154	0.0032	0.028	103		10.17	10.27					1							
68312	8.525	0.009	8.158	0.009		0.348	0.012	T	0.41	0.02	L	8.2105	0.0009	0.013	148		8.18	8.23					1							S
68313	11.437	0.085	10.273	0.046		0.999	0.075	T	1.04	0.09	L	10.3991	0.0040	0.029	96		10.34	10.46					1							
68314	8.698	0.013	7.212	0.007		1.251	0.012	T	1.21	0.01	L	7.2303	0.0013	0.010	78		7.21	7.25		C			1							S
68315	10.560	0.042	10.039	0.040		0.489	0.052	T	0.56	0.06	L	10.0492	0.0035	0.028	101		10.01	10.10					1							
68316	7.274	0.008	7.058	0.009	*	0.206	0.011	T	0.23	0.01	L *	7.1534	0.0012	0.011	99	*	7.14	7.17		D	13591+2549	I 1	2 C A	AB	242	4.779	0.004	1.08	0.02	S
68317	11.485	0.065	10.035	0.029		1.223	0.056	T	1.18	0.06	L	10.1306	0.0025	0.027	136		10.07	10.18					1 S							
68318	12.289	0.188	11.133	0.106		0.555	0.072	G	0.63	0.07	R	11.4219	0.0053	0.047	82		11.31	11.49					1							G
68319	9.453	0.018	7.821	0.010		1.366	0.016	T	1.33	0.02	L	7.8346	0.0015	0.013	84		7.81	7.86		C			1							S
68320	10.429	0.029	9.162	0.017		1.080	0.015	G	1.04	0.01	H	9.1772	0.0018	0.022	148		9.15	9.23		C			1							
68321	10.478	0.029	10.062	0.032		0.410	0.034	G	0.48	0.04	H	10.1498	0.0026	0.031	106		10.09	10.20		C			1							
68322	9.654	0.020	9.461	0.025	A	0.299	0.015	G	0.34	0.02	H *	9.3584	0.0026	0.023	115	*	9.32	9.40		D	13592−5600	I 1	2 C A	AB	184	8.674	0.017	2.24	0.09	G
68323	8.000	0.009	7.439	0.009		0.508	0.008	G	0.58	0.01	H	7.4927	0.0011	0.009	85		7.48	7.51		C			1							S
68324	9.758	0.017	8.539	0.011		1.050	0.015	G	1.02	0.01	H	8.5818	0.0018	0.017	106		8.56	8.62					1							S
68325	9.032	0.012	8.968	0.015		0.065	0.002	G	0.07	0.00	H	9.0026	0.0022	0.018	121		8.98	9.04		C			1							
68326	8.478	0.010	7.225	0.006		1.068	0.009	T	1.03	0.01	L	7.2777	0.0012	0.010	133		7.26	7.30					1							S
68327	10.693	0.036	9.605	0.024		0.980	0.015	G	0.96	0.01	H	9.6431	0.0026	0.025	128		9.60	9.69		C			1							
68328	10.607	0.038	9.808	0.030		0.724	0.037	T	0.78	0.03	L	9.9047	0.0058	0.044	112		9.83	9.98		U 2			1							G
68329	8.362	0.010	7.959	0.011		0.403	0.015	G	0.47	0.02	H	8.0129	0.0016	0.014	84		7.99	8.04		C			1							S
68330	11.090	0.068	9.170	0.022		1.594	0.057	T	1.61	0.06	L	9.1174	0.0023	0.015	68		9.09	9.18		C			1							
68331	9.316	0.015	8.686	0.014		0.586	0.018	T	0.66	0.02	L	8.7535	0.0020	0.016	122		8.72	8.78		C			1							S
68332	9.482	0.017	8.912	0.016		0.533	0.021	T	0.61	0.02	L	8.9657	0.0020	0.018	112		8.94	9.00		C			1							S
68333	7.126	0.004	6.025	0.003		0.957	0.002	G	0.94	0.00	H	6.0872	0.0005	0.006	122		6.08	6.10					1							S
68334	11.573	0.086	10.321	0.047		1.068	0.077	T	1.03	0.06	L	10.4332	0.0043	0.030	80		10.37	10.48		C			1							G
68335	8.991	0.013	8.482	0.012		0.489	0.013	T	0.56	0.01	L	8.5339	0.0019	0.016	116		8.51	8.57					1							
68336	9.907	0.020	8.634	0.013		1.084	0.019	T	1.05	0.02	L	8.7009	0.0014	0.012	115		8.68	8.72		C			1							S
68337	10.528	0.029	9.161	0.016		1.160	0.000	G	1.26	0.00	I	9.1757	0.0018	0.019	110		9.14	9.20		C			1							
68338	11.010	0.046	9.803	0.026		1.032	0.041	T	1.00	0.03	L	9.8699	0.0023	0.026	137		9.82	9.91		U			1							
68339	8.516	0.007	8.509	0.009	A	0.084	0.015	G	0.01	0.01	L *	8.4531	0.0016	0.023	230	*	8.42	8.53		U 2	13593−6228	I 1	2 C A	AB	356	7.319	0.029	2.84	0.08	
68340	10.539	0.034	10.143	0.036		0.375	0.046	T	0.44	0.05	L	10.2421	0.0033	0.026	117		10.20	10.28		C			1							
68341	7.366	0.006	7.423	0.006		−0.047	0.008	T	−0.03	0.01	L	7.4231	0.0015	0.015	157		7.40	7.45					1							S
68342						1.447	0.197	G	1.79	0.88	I	10.8385	0.0030	0.031	93		10.76	10.89			13596+2515	I 1	1							G
68343	8.544	0.010	8.155	0.010		0.389	0.015	G	0.45	0.02	H	8.2135	0.0013	0.013	103		8.19	8.24					1							S
68344	9.367	0.018	9.349	0.024		0.060	0.014	G	0.07	0.01	H	9.3951	0.0025	0.022	107		9.36	9.43					1							G
68345	8.945	0.015	8.484	0.015		0.435	0.019	T	0.50	0.02	L	8.5226	0.0020	0.014	65		8.50	8.55					1							S
68346	8.484	0.010	8.199	0.011	A	0.268	0.020	G	0.30	0.03	H *	8.2352	0.0015	0.014	105	*	8.21	8.26			13594+2418	I 1	2 C C	AB	99	4.808	0.040	3.75	0.16	S
68347	9.845	0.025	9.305	0.023		0.506	0.030	T	0.58	0.03	L	9.3485	0.0028	0.018	91		9.32	9.38					1							
68348	7.961	0.009	7.422	0.008		0.493	0.010	G	0.57	0.01	H	7.4967	0.0010	0.009	102		7.48	7.51		C			1							S
68349	9.722	0.021	9.286	0.022		0.390	0.015	G	0.46	0.02	H	9.3718	0.0018	0.018	118		9.35	9.40		C			1							
68350	8.863	0.026	7.720	0.015	*	0.983	0.023	T	0.96	0.02	L *	7.8355	0.0013	0.014	171	*	7.81	7.86		D	13595−6643	I 1	2 C A	AB	268	3.797	0.017	2.90	0.07	
68351	9.103	0.016	8.035	0.011		0.925	0.015	T	0.92	0.01	L	8.0997	0.0014	0.013	87		8.08	8.13		C			1							
68352	9.089	0.014	8.749	0.015		0.329	0.023	T	0.38	0.03	L	8.8160	0.0021	0.015	72		8.79	8.84		C			1							
68353	10.230	0.026	9.209	0.018		0.890	0.024	T	0.90	0.02	L	9.2446	0.0022	0.019	124		9.22	9.31					1							
68354	10.001	0.031	9.635	0.033		0.393	0.015	G	0.46	0.02	H	9.6507	0.0020	0.022	79		9.60	9.70		D			1							
68355	10.259	0.027	8.377	0.010		1.564	0.023	T	1.58	0.02	L	8.3282	0.0018	0.020	155		8.29	8.36					1 S							
68356	9.408	0.015	7.989	0.008		1.198	0.013	T	1.16	0.01	L	8.0184	0.0013	0.012	145		8.00	8.04		C			1							S
68357	10.626	0.030	9.166	0.015		1.249	0.028	T	3.91	0.05	O	8.4901	0.0107	0.114	142		8.27	8.79		U 2			1 S							
68358	9.905	0.021	9.724	0.027		0.170	0.015	G	0.19	0.01	H	9.7905	0.0025	0.028	120		9.74	9.85					1							G
68359	8.905	0.011	8.926	0.015		0.002	0.024	G	0.02	0.02	H	8.9361	0.0014	0.017	137		8.91	8.97					1							
68360	11.176	0.067	9.910	0.035		1.079	0.059	T	1.04	0.05	L	9.9830	0.0027	0.024	137		9.94	10.03		C			1							
68361	9.266	0.014	8.847	0.014		0.396	0.018	T	0.46	0.02	L	8.8842	0.0015	0.017	128		8.85	8.91		C			1							S
68362	9.158	0.013	9.184	0.018		0.029	0.015	G	0.05	0.01	H	9.1749	0.0029	0.028	135		9.13	9.23			13596−6158	I 1	1 S							G
68363	9.205	0.014	8.781	0.014		0.414	0.016	T	0.48	0.02	L	8.8320	0.0018	0.021	125		8.80	8.87					1							
68364	9.777	0.022	8.452	0.014		1.125	0.020	T	1.09	0.02	L	8.5060	0.0015	0.013	78		8.48	8.52		C			1							
68365	9.237	0.017	7.985	0.011	*	1.068	0.016	T	1.03	0.01	L *	8.0134	0.0019	0.014	115	*	7.99	8.03		D	13596−6143	H 1	2 C A	AB	231	0.455	0.032	3.19	0.17	
68366	10.422	0.029	8.409	0.011		1.668	0.025	T	1.69	0.03	L	8.3122	0.0017	0.021	150		8.28	8.36		U			1							
68367	9.383	0.014	8.729	0.013		0.570	0.015	G	0.64	0.01	H	8.7968	0.0015	0.013	109		8.78	8.83					1							S
68368	8.649	0.009	8.230	0.009		0.407	0.015	G	0.47	0.02	H	8.2711	0.0032	0.027	120		8.23	8.32		U 2			1							S
68369	8.951	0.011	7.895	0.008		0.916	0.010	T	0.91	0.01	L	7.9553	0.0014	0.015	158		7.93	7.98					1							S
68370	9.760	0.031	9.152	0.028		0.567	0.037	T	0.64	0.03	L	9.2390	0.0016	0.015	70		9.20	9.27		C			1							S
68371	10.621	0.069	9.321	0.037		1.105	0.061	T	1.07	0.06	L	9.3544	0.0042	0.022	46		9.31	9.41		R			1							
68372	7.920	0.008	8.069	0.010		−0.106	0.001	G	−0.09	0.00	H	8.0552	0.0017	0.013	89		8.04	8.08		C			1							S
68373	9.108	0.017	8.014	0.012		0.945	0.016	T	0.94	0.01	L	8.0699	0.0014	0.010	65		8.05	8.10					1							S
68374	11.648	0.102	10.487	0.058	A	0.995	0.004	G	1.04	0.00	I	10.5992	0.0243	0.035	72	A	10.53	10.66		C	13598−2639	H 1	2 C D	AB	338	12.027	0.060	2.32	0.23	G D
68375	9.144	0.014	7.724	0.008		1.199	0.013	T	1.16	0.01	L	7.7466	0.0011	0.010	125		7.73	7.76					1							S
68376	10.948	0.089	10.082	0.069		0.950	0.003	G	1.00	0.00	I	10.0445	0.0030	0.015	40		10.02	10.09		D			1							
68377	9.504	0.018	8.934	0.017		0.533	0.022	T	0.61	0.02	L	8.9876	0.0017	0.016	134		8.96	9.02					1							
68378	8.997	0.024	8.540	0.025	*	0.431	0.032	T	0.50	0.03	L *	8.8630	0.0021	0.018	90	*	8.83	8.90		D	13598+1953	I 1	2 C A	AB	127	1.932	0.005	0.24	0.02	S
68379	9.702	0.016	8.935	0.014		0.699	0.017	T	0.76	0.01	L	9.0165	0.0018	0.018	138		8.98	9.08					1							S
68380	6.993	0.006	6.457	0.006	*	0.486	0.010	G	0.56	0.01	H *	6.5084	0.0011	0.007	75	*	6.49	6.52			13598−0333	H 1	2 C S C	AB	53	0.083	0.012	1.01	1.13	S
68381	9.959	0.020	9.462	0.020		0.467	0.026	T	0.54	0.03	L	9.4905	0.0016	0.021	126		9.46	9.52		C			1							
68382	8.637	0.010	7.885	0.008		0.687	0.010	T	0.74	0.01	L	7.9361	0.0012	0.013	125		7.91	7.97		C			1							S
68383	10.336	0.040	8.883	0.020		1.225	0.035	T	1.18	0.03	L	8.8698	0.0099	0.070	66		8.80	8.99		U 2 C			1							
68384	9.944	0.027	9.424	0.027	A	0.574	0.072	G	0.65	0.07	R *	9.4468	0.0032	0.028	110	*	9.41	9.61	1.64	P 1 A	13599+2810	H 1	2 C D	AB	308	1.286	0.094	3.75	0.34	D
68385	10.644	0.047	9.031	0.020		1.351	0.040	T	1.32	0.05	L	8.9973	0.0029	0.019	74		8.97	9.02					1							
68386	10.810	0.054	10.298	0.054		0.559	0.020	G	0.63	0.02	H	10.3159	0.0022	0.022	105		10.28	10.35		C			1							
68387	10.187	0.029	9.657	0.028		0.497	0.036	T	0.57	0.04	L	9.7329	0.0026	0.022	116		9.70	9.77					1							
68388	7.730	0.006	7.560	0.007		0.163	0.009	T	0.18	0.01	L	7.6027	0.0009	0.012	176		7.58	7.63					1							S
68389	10.196	0.028	8.711	0.014		1.250	0.025	T	1.21	0.03	L	8.7036	0.0012	0.011	106		8.68	8.72					1							
68390	6.330	0.004	5.823	0.004		0.480	0.007	G	0.55	0.01	H	5.8750	0.0008	0.006	76		5.87	5.89					1							S
68391	10.174	0.031	8.410	0.013		1.470	0.027	T	1.48	0.04	L	8.3958	0.0017	0.013	73		8.37	8.42		C			1							
68392	9.077	0.014	8.580	0.013	*	0.467	0.017	T	0.54	0.02	L *	8.6305	0.0015	0.012	110	*	8.60	8.67		D	14001+0416	H 1	2 C A	AB	336	0.243	0.005	0.20	0.07	S
68393	9.295	0.019	8.702	0.017		0.553	0.022	T	0.63	0.02	L	8.7769	0.0021	0.016	75		8.75	8.80		C			1							S
68394	9.118	0.012	8.414	0.010		0.630	0.015	G	0.70	0.01	H	8.4731	0.0014	0.013	128		8.45	8.50		C			1							S
68395	10.456	0.031	9.178	0.019		1.088	0.028	T	1.05	0.03	L	9.2257	0.0021	0.014	106		9.20	9.26					1							
68396	10.165	0.030	9.575	0.028		0.552	0.030	T	0.62	0.03	L	9.6008	0.0025	0.017	75		9.57	9.63		C			1							
68397	9.903	0.025	9.454	0.026		0.434	0.020	G	0.50	0.02	H	9.5429	0.0020	0.017	83		9.51	9.58		C			1							
68398	7.906	0.010	6.676	0.006		1.050	0.009	T	1.02	0.01	L	6.7307	0.0007	0.006	53		6.72	6.74					1							S
68399	7.160	0.004	7.193	0.004	A	−0.026	0.005	T	0.00	0.01	L	7.2054	0.0041	0.015	272	A	7.18	7.23		D	14001−6247	I 2	1 C P D							S D
68400	9.118	0.013	7.796	0.008		1.122	0.012	T	1.08	0.01	L	7.8489	0.0011	0.009	91		7.84	7.86		C			1							S

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)										Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
68401	14 00 07.63	−50 51 10.6	10.25	H	210.031 798 08	−50.852 933 73	5.06	−135.02	−10.77	1.92	1.63	2.77	2.21	1.73	− 4	−18	+ 7	+ 8	−13	−23	−12	− 3	+ 8	+ 9	0	
68402	14 00 09.77	−62 46 59.4	9.14	H	210.040 729 09	−62.783 174 21 B	0.51	−21.18	−13.16	5.57	7.47	6.06	4.19	4.95	+44	−14	−12	+30	+23	−15	+23	+12	− 4	+50	6	0.51
68403	14 00 11.15	+44 48 40.7	10.27	H	210.046 462 87	+44.811 293 51	34.15	−191.50	−12.22	1.21	1.17	1.65	1.32	1.25	+20	+ 6	−14	−30	−13	+ 7	− 9	−22	+13	− 1	0	0.31
68404	14 00 11.29	+66 45 16.0	8.56	H	210.047 025 61	+66.754 434 30	3.11	−57.10	−0.39	0.67	0.69	0.78	0.72	0.79	+ 3	−13	−10	− 2	− 3	−10	− 4	+ 3	− 2	+ 6	1	1.24
68405	14 00 11.60	+33 45 40.8	9.39	H	210.048 342 82	+33.761 330 79	−0.80	−12.90	8.65	0.89	0.92	1.35	1.21	0.99	+ 5	+15	−20	+23	− 1	+ 6	+ 0	− 4	−12	+14	0	0.86
68406	14 00 11.75	−54 08 55.5	9.39	H	210.048 947 03	−54.148 750 06 A	3.52	−8.25	−5.64	3.09	3.35	3.55	4.23	3.45	−13	− 2	− 4	+32	− 3	+25	− 7	+51	+12	+15	2	0.75
68407	14 00 12.80	−54 09 11.8	12.69	H	210.053 319 98	−54.153 289 26 B	3.72	−8.70	−5.07	96.51	94.83	2.69	3.02	2.53	− 9	− 1	+ 1	− 9	+ 0	+25	− 2	− 2	+12	+15	2	0.75
68408	14 00 13.70	+34 22 28.0	8.36	G	210.057 071 80	+34.374 437 36	2.30	−21.19	17.52	0.79	0.79	1.19	0.95	0.83	− 9	+ 6	−39	− 3	− 6	− 9	−11	+ 2	−15	− 1	0	1.58
68409	14 00 13.89	−44 13 18.7	8.19	H	210.057 875 96	−44.221 861 93	−0.80	−8.38	−4.15	0.87	0.65	0.97	1.14	0.80	+ 4	− 9	+ 0	−10	−13	− 7	−12	−13	+ 4	+ 3	0	1.27
68410	14 00 13.97	−50 13 20.3	8.91	H	210.058 224 34	−50.222 299 88	3.19	−27.54	−6.45	0.82	0.70	1.26	1.05	0.68	−15	−27	+14	+33	−20	−31	− 8	+16	− 7	+17	0	0.74
68411	14 00 14.60	−43 21 50.5	10.02	H	210.060 819 54	−43.364 017 21	2.31	8.43	0.40	1.21	0.98	1.52	1.23	1.10	+ 5	−33	−28	+ 9	+ 0	+ 0	− 9	−18	+27	− 8	0	0.52
68412	14 00 17.33	−67 30 20.5	7.56	H	210.072 196 70	−67.505 694 07	2.04	−16.81	−10.48	0.51	0.57	0.88	0.66	0.71	+19	− 8	+ 5	+ 2	+ 5	−36	+ 6	+10	− 7	+36	0	−3.49
68413	14 00 17.47	−61 28 51.4	6.49	G	210.072 790 16	−61.480 942 66	15.34	−64.45	−35.22	0.58	0.55	0.86	0.60	0.53	+10	−39	−10	+11	+18	− 1	+10	+ 0	+17	+35	0	1.19
68414	14 00 18.89	−46 07 38.1	6.57	H	210.078 692 13	−46.127 255 65	13.03	−14.75	3.17	0.76	0.49	0.77	0.97	0.58	+ 8	−11	+12	−47	−27	−21	−31	+ 2	− 2	+25	0	0.81
68415	14 00 20.21	+02 40 28.7	7.29	H	210.084 203 75	+02.674 628 48	3.98	−22.28	−24.00	0.79	0.63	0.98	0.86	0.66	−49	−12	−17	+12	−27	+30	−13	+49	−32	−68	2	0.34
68416	14 00 20.99	+47 24 08.1	10.00	H	210.087 456 89	+47.402 245 01	3.55	−16.81	−26.55	1.05	1.04	1.35	1.53	1.14	+19	+12	−10	+13	− 6	+ 6	− 5	+ 2	− 6	+15	0	0.60
68417	14 00 22.38	+37 52 16.2	8.78	2 H	210.093 232 82	+37.871 174 38	1.22	1.77	−0.57	0.56	0.67	1.04	0.64	0.77	+19	+ 4	−18	+27	− 8	+ 9	− 9	+ 8	+ 5	+ 4	0	1.01
68418	14 00 23.42	+39 01 47.8	6.63	G	210.097 594 65	+39.029 939 46	4.39	15.69	−0.92	0.36	0.53	0.74	0.44	0.55	+34	−13	−34	−15	−10	+ 4	−13	−27	+15	+ 9	0	0.70
68419 H	14 00 23.79	−35 16 51.3	9.04	H	210.099 130 62	−35.280 926 70 A	2.27	−19.60	−4.36	3.01	2.39	3.28	3.81	2.95	−29	− 8	+15	+22	+ 7	+29	+ 6	−23	+ 1	−21	1	1.01
68420	14 00 23.99	+40 48 36.7	8.70	H	210.099 945 62	+40.810 184 96	2.28	−12.81	12.88	0.71	0.84	1.15	0.84	0.79	+35	−23	−38	−20	−28	+13	−27	−33	+11	+11	1	0.17
68421	14 00 24.90	−33 03 33.7	9.23	H	210.103 740 45	−33.059 355 09	−0.11	2.53	−16.75	1.07	0.87	1.41	1.28	1.06	−22	−26	− 3	−22	−10	+ 4	−18	−10	+31	− 6	0	0.84
68422	14 00 25.04	−59 37 23.3	9.58	H	210.104 327 59	−59.623 135 80	−1.56	−6.82	−4.74	1.21	0.98	1.55	1.66	1.21	+ 8	+ 8	+ 3	+31	+17	+21	+26	+ 5	+34	+49	0	−0.67
68423	14 00 25.27	−36 01 15.9	8.16	H	210.105 283 32	−36.021 070 84	10.54	−26.46	−56.82	0.85	0.72	1.11	1.16	1.00	−23	−23	+ 0	− 4	− 2	+ 0	− 5	−28	+26	−12	0	0.85
68424	14 00 25.89	+19 00 45.0	10.59	H	210.107 886 79	+19.012 494 94	1.96	−43.59	−8.78	1.54	1.21	2.05	1.86	1.38	− 2	−25	−25	+ 7	− 9	−10	− 4	+20	−23	−12	0	−0.20
68425	14 00 28.24	−14 57 07.4	8.08	H	210.117 653 99	−14.952 069 20	3.31	−61.46	−35.81	0.97	0.70	1.12	1.23	0.89	−30	+ 0	−32	+23	+11	−19	− 3	−61	+42	−45	0	−0.16
68426	14 00 29.27	−35 47 08.1	8.02	H	210.121 978 45	−35.785 574 36	1.96	−12.18	−5.48	0.90	0.70	1.07	1.13	0.93	−16	−27	+ 6	+33	+ 5	− 5	+ 1	− 7	+21	−12	0	−0.91
68427	14 00 31.67	−64 07 01.0	9.23	H	210.131 965 97	−64.116 935 96	6.03	−9.02	−27.52	0.75	0.90	1.30	0.93	1.10	+52	− 8	− 6	+31	+29	+10	+28	+26	+14	+58	0	−0.27
68428	14 00 31.97	+37 49 51.9	9.73	H	210.133 200 30	+37.831 077 64	4.00	16.28	−0.41	0.71	0.86	1.37	0.79	0.91	+24	− 2	−28	+19	− 2	+ 5	− 4	− 2	− 4	+12	0	1.87
68429	14 00 32.22	−84 28 56.9	8.57	H	210.134 262 56	−84.482 485 47	3.49	−2.68	−4.92	0.63	0.70	0.79	0.67	0.88	+ 2	−25	+ 2	− 8	+ 0	+ 0	+ 1	+28	−17	+ 9	0	−0.53
68430	14 00 32.57	−08 20 56.5	8.25	H	210.135 699 88	−08.349 041 27	5.17	−18.35	−10.02	1.12	0.69	1.08	1.18	0.72	− 4	−29	− 7	+49	+18	+ 5	+22	+ 8	+11	+15	3	−2.22
68431	14 00 32.85	−78 35 23.9	6.09	H	210.136 891 31	−78.589 959 32	4.48	−14.19	−9.03	0.39	0.45	0.51	0.42	0.51	+ 4	− 9	+11	+12	+13	− 4	+13	+25	+ 3	+12	0	0.55
68432	14 00 33.49	−40 20 04.0	8.92	H	210.139 527 67	−40.334 449 96	2.21	−7.50	−21.84	0.93	0.69	1.10	0.92	0.89	− 8	−31	+ 1	−10	− 8	− 5	−11	+ 3	+ 7	−12	0	−1.65
68433	14 00 35.78	+40 33 03.9	8.49	G	210.149 097 96	+40.551 078 79	8.71	−49.18	−32.00	0.65	0.78	1.05	0.79	0.76	+30	−13	−36	−23	−25	+ 7	−24	−31	+15	+10	0	0.11
68434	14 00 36.12	−26 15 57.7	6.73	H	210.150 480 79	−26.266 031 93	22.80	−23.33	−157.47	0.70	0.48	0.78	0.84	0.62	−21	−24	−12	+24	−13	+10	−16	+ 0	+ 6	−33	0	0.73
68435	14 00 37.04	−45 46 32.7	8.23	H	210.154 323 36	−45.775 742 04	3.87	13.35	−0.61	0.95	0.71	1.04	1.08	0.92	− 9	− 7	+ 5	−41	− 3	−28	− 3	−28	+ 9	−14	2	−0.28
68436	14 00 37.59	−64 47 40.1	9.09	H	210.156 643 35	−64.794 484 20	1.25	−2.47	−2.12	0.76	0.86	1.29	0.92	1.00	+42	−12	− 4	+17	+26	− 1	+26	+10	+ 3	+53	0	0.21
68437	14 00 38.68	+20 32 12.2	10.51	H	210.161 187 41	+20.536 726 30	4.50	18.81	−15.74	1.60	1.23	2.07	2.15	1.40	−12	+ 1	−18	+ 4	+10	−38	+ 1	− 2	−19	−19	0	−0.49
68438	14 00 39.95	+47 58 13.7	9.10	H	210.166 459 27	+47.970 472 82	6.65	60.62	−41.70	0.78	0.85	1.06	1.02	0.88	+13	− 2	−22	− 1	−13	+18	− 8	+ 0	− 5	− 3	0	1.82
68439	14 00 40.45	−41 11 06.5	8.80	H	210.168 560 80	−41.185 140 29	0.66	4.64	−16.70	0.94	0.76	1.21	0.86	0.94	− 5	−47	− 6	− 5	− 2	− 2	−11	− 7	+19	−16	0	1.00
68440	14 00 40.57	−02 04 58.3	8.46	H	210.169 057 98	−02.082 853 13	6.62	−37.70	5.43	0.92	0.74	1.17	0.94	0.86	−24	−31	−23	− 5	−12	+ 0	−22	− 6	+36	−39	0	−0.86
68441	14 00 41.89	−41 52 32.0	7.32	H	210.174 537 06	−41.875 548 57	1.97	−7.72	−0.55	0.74	0.58	0.95	0.73	0.68	−14	−42	+ 1	+12	+ 3	+ 1	− 6	− 8	+22	−12	0	0.93
68442	14 00 43.22	−62 38 01.1	8.72	H	210.180 081 06	−62.633 645 51	0.59	−20.81	−8.13	0.61	0.79	1.19	0.77	0.88	+26	−14	−11	+43	+ 8	−10	+ 9	+ 4	+12	+32	1	−0.58
68443	14 00 44.51	+15 22 35.4	8.07	G	210.185 448 52	+15.376 493 27	4.33	2.09	6.04	0.80	0.66	1.14	0.85	0.74	−31	+19	−36	− 5	+19	−10	+19	−24	+20	−42	0	1.21
68444	14 00 44.73	+48 00 35.2	8.62	H	210.186 387 67	+48.009 777 25	9.70	−131.11	1.50	0.68	0.74	0.90	0.85	0.75	+14	+ 0	−21	+ 3	−14	+14	−10	+ 1	− 7	− 4	0	2.15
68445	14 00 45.01	−73 28 21.2	9.17	H	210.187 559 39	−73.472 562 09	0.33	−12.81	−3.46	0.80	0.88	1.14	0.96	0.96	+19	− 3	+25	+ 7	+25	− 4	+22	+20	+23	+27	0	1.71
68446	14 00 45.14	−38 07 26.4	8.09	H	210.188 076 22	−38.123 988 65	4.61	−27.80	−16.85	0.86	0.69	1.09	1.03	0.93	−21	−14	− 5	+28	+ 1	+16	− 1	−13	+13	−24	0	−0.80
68447	14 00 45.35	+18 05 54.7	10.38	H	210.188 962 52	+18.098 535 09	27.06	−146.61	293.59	5.91	4.65	7.60	6.92	5.26	−14	+ 1	−27	+ 1	+ 5	− 8	+ 2	− 6	+ 0	−30	0	
68448 H	14 00 46.31	−49 16 29.5	8.19	H	210.192 943 90	−49.274 861 17 A	4.69	−22.01	−7.44	1.43	1.40	2.19	1.62	1.23	−27	−11	+18	+31	−27	−30	−21	+38	−12	+10	1	0.74
68449	14 00 48.05	+70 58 38.1	8.35	H	210.200 228 66	+70.977 254 73	2.66	−2.97	−3.52	0.70	0.63	0.77	0.79	0.71	− 1	−13	−16	+ 0	−10	−13	−14	+ 3	+21	−15	0	−0.48
68450	14 00 49.84	+01 10 10.2	9.01	H	210.207 650 53	+01.169 503 99	9.81	7.02	24.67	1.30	1.02	1.59	1.53	1.08	−18	−14	−37	−21	−29	+21	−19	+15	− 6	−33	0	−0.26
68451	14 00 50.89	−16 19 29.1	8.72	H	210.212 059 20	−16.324 738 59	0.07	−35.80	−0.40	1.16	0.83	1.40	1.66	1.20	−21	−15	−33	+28	+ 4	−26	−18	−41	+46	−47	0	−0.57
68452	14 00 51.02	−05 12 40.2	8.88	H	210.212 579 03	−05.211 159 67	11.94	27.45	−18.75	1.14	0.98	1.39	1.54	1.35	−39	−12	−24	+ 4	−16	−19	−27	−18	+38	−68	0	0.99
68453	14 00 51.54	−08 04 15.8	8.05	H	210.214 746 02	−08.071 061 58	5.28	4.01	−2.31	1.01	0.60	1.02	1.08	0.65	+ 1	−25	−19	+39	+13	+ 7	+15	− 5	+19	+12	0	0.58
68454	14 00 51.98	−49 31 33.8	8.26	G	210.216 580 97	−49.526 068 52	7.32	−29.40	−11.55	0.57	0.60	1.04	0.71	0.56	−29	−28	+25	+30	−27	−32	−16	+24	− 4	+ 2	0	0.02
*68455	14 00 52.61	−66 16 07.9	5.96	1 G	210.219 227 01	−66.268 851 49	13.01	−116.10	−24.20	0.39	0.46	0.63	0.45	0.54	+32	−16	+ 1	− 3	− 6	− 8	− 5	− 4	− 4	+43	0	−0.83
*68456	14 00 52.53	−34 07 40.6	8.72	H	210.218 893 24	−34.127 938 70	2.14	−18.45	−13.43	1.04	0.70	1.14	1.56	0.93	+ 0	−11	− 8	−13	−13	+ 8	−12	−20	+27	+23	0	−0.90
68457	14 00 53.63	−72 38 23.7	8.62	H	210.223 439 87	−72.639 930 47	1.37	−21.28	−11.19	0.77	0.76	1.03	0.79	0.90	+25	−30	− 3	+12	+20	−21	+14	+29	+17	+24	0	0.77
68458	14 00 54.04	−06 44 45.5	8.64	H	210.225 186 83	−06.745 968 89	10.68	35.60	−94.58	1.17	0.87	1.26	1.31	1.05	−17	−28	−15	+42	− 1	− 1	− 6	+26	+17	−22	0	0.47
68459	14 00 54.10	+49 28 09.1	8.41	H	210.225 411 43	+49.469 203 61	5.15	−1.06	−66.94	0.59	0.63	0.78	0.75	0.68	+16	−12	−18	+ 4	+ 1	+ 5	+ 1	−12	− 2	+ 6	0	0.81
68460	14 00 54.29	−38 00 49.7	8.53	H	210.226 199 52	−38.013 803 03	2.63	−12.53	−2.71	0.91	0.76	1.29	1.05	1.02	−30	−28	+ 5	+20	+ 1	+16	− 6	−11	+26	−23	0	−0.23
68461	14 00 55.88	+39 14 21.2	8.93	H	210.232 825 62	+39.239 223 00	12.61	18.62	−7.01	0.56	0.78	1.07	0.65	0.81	+28	− 5	−25	−20	−13	+ 3	−15	−32	+22	+ 5	0	−1.35
68462	14 00 57.51	−31 47 50.8	11.03	G	210.239 616 21	−31.797 448 42	31.41	−692.35	96.40	1.85	1.60	2.37	2.29	2.07	−39	−28	+ 6	+ 7	−12	− 4	−15	− 5	+17	−36	0	0.53
68463	14 01 01.40	+55 25 29.6	8.66	H	210.255 817 89	+55.424 894 80	4.97	−5.56	14.46	0.61	0.65	0.75	0.64	0.68	+16	− 6	− 2	−30	−14	−13	− 9	+ 6	−14	+ 6	1	0.12
68464	14 01 02.45	−38 03 02.5	8.73	G	210.260 227 58	−38.050 696 09	9.77	−452.86	−82.55	0.94	0.74	1.32	1.08	1.01	−25	−29	− 1	+18	+ 2	+11	− 4	−22	+27	−19	0	−0.11
68465	14 01 02.58	+30 41 13.6	8.36	H	210.260 756 71	+30.687 118 95	1.52	−28.16	22.70	0.64	0.74	1.20	1.06	0.78	−30	+27	−28	+47	+ 4	+ 6	+ 7	+ 2	+11	−11	1	0.87
68466	14 01 03.46	+32 29 22.2	7.72	H	210.264 399 13	+32.489 490 83	8.13	−61.62	−32.30	0.59	0.61	0.96	0.78	0.64	+ 4	−15	−26	+15	− 1	−13	− 2	+ 6	−13	− 1	0	−1.52
68467	14 01 03.62	+21 58 34.9	7.11	G	210.265 102 37	+21.976 370 02	6.12	28.99	−35.55	0.63	0.54	0.85	0.65	0.57	−21	− 3	+ 3	− 4	−28	− 1	−23	+12	− 7	−49	0	0.16
*68468	14 01 03.69	−32 45 24.0	9.39	H	210.265 392 76	−32.756 661 15	10.59	−121.17	−120.29	1.12	0.91	1.40	1.27	1.08	−29	−28	+ 5	+ 3	− 4	− 8	− 6	− 5	+10	−20	0	1.25
*68469	14 01 03.67	−02 39 22.8	9.71	G	210.265 291 57	−02.656 320 82	98.26	−824.78	599.52	1.29	1.02	1.61	1.52	1.25	−32	−13	−22	− 5	− 9	−24	−18	− 5	+35	−52	0	1.24
68470	14 01 04.66	+13 06 41.1	7.70	H	210.269 415 32	+13.111 412 13	2.88	16.81	−34.54	0.81	0.54	1.16	0.93	0.59	−17	−33	−20	+24	+39	−37	+23	−33	+ 9	−41	2	−0.90
68471	14 01 05.73	−07 06 55.5	8.73	H	210.273 859 94	−07.115 403 64	3.05	12.66	4.20	1.07	0.74	1.13	1.26	0.83	− 4	−22	−21	+17	+ 1	+ 0	− 1	+19	+ 7	+ 1	0	−1.26
68472	14 01 06.31	−78 12 57.6	8.37	H	210.276 286 08	−78.216 001 90	13.92	−109.82	−28.32	0.58	0.68	0.80	0.60	0.73	+12	− 7	+26	+10	+17	+ 1	+14	+29	+16	+25	1	−0.60
68473	14 01 08.04	+14 25 04.5	10.60	H	210.283 492 21	+14.417 925 77	8.82	−38.85	−5.39	1.32	1.13	1.77	1.55	1.26	−32	+10	−22	+ 5	+29	− 7	+27	−40	+14	−34	4	0.17
68474	14 01 08.35	−37 28 11.7	6.88	H	210.284 808 30	−37.469 918 22	3.84	75.72	−39.56	0.74	0.58	0.98	0.85	0.72	−28	−30	+17	+19	− 1	+22	− 7	+ 4	+11	−19	0	0.19
68475	14 01 08.63	−44 11 51.5	6.70	H	210.285 939 21	−44.197 625 81	5.83	−61.13	−37.57	0.63	0.50	0.73	0.82	0.61	−11	− 7	+ 1	− 2	−11	−12	−11	− 4	+10	− 2	2	0.71
68476	14 01 09.50	+11 01 29.8	10.03	H	210.289 592 78	+11.024 934 72	8.04	−2.33	−11.87	1.05	0.76	1.51	1.19	0.81	−22	−12	+ 5	+30	+13	− 7	+12	+ 6	−22	−27	0	1.78
68477	14 01 10.24	+69 41 49.7	9.32	2 H	210.292 673 21	+69.697 149 49	2.63	−17.26	10.62	3.08	2.73	3.16	3.54	3.05	+ 2	+11	−13	−38	− 2	−22	− 3	−30	+12	− 7	0	
68478	14 01 10.53	+27 23 11.6	6.23	H	210.293 886 59	+27.386 547 62	9.59	−79.26	18.99	0.46	0.49	0.74	0.66	0.50	−21	+ 1	−12	−13	− 3	− 7	− 4	+15	− 6	−16	0	−0.73
68479	14 01 10.89	+45 17 09.1	8.53	H	210.295 358 87	+45.285 851 98	1.17	19.88	−6.79	0.62	0.75	0.92	0.72	0.81	+26	− 6	−19	−28	−15	+15	−14	−31	+17	− 1	0	0.78
68480	14 01 11.42	−14 51 30.4	9.21	H	210.297 596 74	−14.858 443 74	0.29	−0.84	−6.14	1.23	1.06	1.43	1.60	1.26	−42	− 7	−25	+ 2	+20	+ 3	+21	−70	+26	−40	0	−0.53
68481	14 01 11.67	−11 55 49.4	9.08	H	210.298 612 71	−11.930 402 06	4.67	−11.84	5.94	1.61	0.91	1.88	1.53	1.21	− 9	−49	−24	+25	+ 6	− 2	−27	−58	+44	−37	0	−1.40
68482	14 01 12.61	+62 34 37.3	8.52	H	210.302 552 88	+62.577 022 03	9.62	−60.75	6.18	0.69	0.64	0.77	0.78	0.75	+ 2	+10	−15	−14	+ 3	− 9	+ 2	+15	− 5	+ 1	0	−0.12
68483	14 01 13.99	−10 22 38.1	8.86	G	210.308 284 44	−10.377 236 15	4.25	22.98	−36.09	1.34	0.71	1.43	1.49	0.82	−24	−21	−13	+43	− 4	+15	− 6	−31	+27	−20	2	3.44
68484	14 01 14.63	+05 58 12.4	8.94	H	210.310 945 74	+05.970 100 00	5.02	12.09	−26.43	1.26	0.74	1.47	1.45	0.80	−23	−14	+ 2	+14	+ 4	+30	+ 7	+24	−32	−45	0	−0.79
68485 H	14 01 15.27	−48 35 13.4	8.57	H	210.313 640 96	−48.587 056 48 *	1.33	−7.88	−3.53	1.75	1.64	1.59	1.54	0.91	− 2	−10	+10	+16	−13	−11	−13	+30	+ 4	+36	3	−0.63
68486 H	14 01 15.47	+00 41 43.4	9.07	H	210.314 448 18	+00.695 383 51 *	7.26	−1.90	−63.25	1.44	1.03	1.64	1.59	1.09	−35	+22	−28	−10	−21	+14	−17	+ 9	− 8	−38	3	0.16
*68487	14 01 16.74	+59 32 56.3	8.41	H	210.319 742 54	+59.548 983 25	7.90	−54.75	37.86	0.58	0.62	0.72	0.72	0.69	+11	− 5	−14	−13	−16	−14	−15	+ 3	−19	+ 6	0	−2.26
*68488	14 01 16.57	+50 08 20.5	8.47	G	210.319 034 79	+50.139 029 99	2.14	−41.12	−3.48	0.64	0.64	0.83	0.84	0.70	+16	−16	−27	+ 0	− 1	− 4	+ 0	+ 6	− 7	+ 5	1	−1.60
68489	14 01 16.93	−39 15 11.8	7.94	G	210.320 542 32	−39.253 283 31	3.98	−15.62	−8.50	0.82	0.67	1.11	0.82	0.80	−18	−34	+ 2	−11	− 6	+23	−12	+ 8	+ 3	−24	0	0.90
68490 H	14 01 17.32	−51 44 48.7	9.00	H	210.322 187 22	−51.746 873 84 A	5.30	−46.91	−10.47	1.69	1.44	2.28	1.54	1.48	− 3	−41	+ 0	− 2	− 7	−19	− 9	+ 7	+ 4	+ 5	0	0.64
68491	14 01 18.39	−57 13 43.2	7.04	2 H	210.326 631 39	−57.228 658 76	0.81	−4.95	−2.27	0.56	0.61	0.80	0.62	0.72	− 3	−28	−10	+19	+ 1	−11	− 4	+32	+14	− 8	0	−0.19
68492	14 01 18.44	−51 11 21.6	9.12	H	210.326 848 17	−51.189 339 26	4.46	−15.59	−6.78	0.89	0.81	1.36	0.97	0.81	− 6	−23	+ 6	+ 9	−12	−24	−11	+17	− 2	+14	3	−0.55
68493	14 01 19.08	−40 13 19.0	6.12	H	210.329 502 76	−40.221 944 66	4.05	−28.71	0.59	0.65	0.52	0.79	0.69	0.64	−11	−26	+ 4	− 8	− 4	− 7	− 3	−10	− 3	− 6	0	0.72
68494	14 01 19.58	+28 24 35.1	8.16	G	210.331 602 10	+28.409 754 94	3.98	−1.97	2.29	0.69	0.59	0.95	0.73	0.60	−13	− 8	−26	−34	−10	+13	− 3	+14	−18	−24	0	0.19
68495	14 01 19.64	+13 43 57.4	7.15	H	210.331 838 44	+13.732 599 67	7.62	−33.18	33.46	0.71	0.53	1.02	0.88	0.58	−22	− 9	−30	+20	+35	−40	+19	−27	+13	−41	0	−0.41
68496	14 01 19.85	−56 13 27.1	7.84	H	210.332 692 81	−56.224 206 04	1.60	−7.03	−5.77	0.57	0.64	0.84	0.74	0.77	−10	− 9	− 2	+18	+ 2	− 1	− 2	+33	+10	+ 7	0	0.11
68497	14 01 19.90	+41 17 29.8	8.46	G	210.332 931 76	+41.291 606 23	5.75	−42.43	21.44	0.60	0.72	0.96	0.72	0.71	+15	− 6	−22	− 7	−19	+ 6	−19	−20	+ 8	− 9	1	−0.14
68498	14 01 20.41	+08 53 41.7	5.98	H	210.335 040 74	+08.894 909 24	11.33	32.96	−1.19	0.64	0.38	0.76	0.65	0.40	−23	−31	+ 7	− 3	+ 0	− 9	+ 5	+ 7	− 7	−35	0	−0.40
68499	14 01 21.88	−39 40 11.1	7.64	H	210.341 153 74	−39.669 740 60	1.94	−13.49	−8.66	0.89	0.59	0.97	1.19	0.83	+ 2	−13	− 5	−30	−16	+ 1	−16	−11	− 4	+ 4	0	0.52
68500

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
68401	11.124	0.055	10.402	0.047		0.663	0.058	T	0.72	0.05	L	10.3871	0.0034	0.034	119		10.33	10.45					1 X							G
68402	9.486	0.012	9.097	0.013	B	0.368	0.017	T	0.43	0.02	L	9.2181	0.0186			B				D	14001−6247	I 2	1 C I D							D
68403	11.865	0.117	10.400	0.047		1.297	0.023	G	1.49	0.04	I	10.3779	0.0039	0.036	112		10.33	10.45		R			1							
68404	9.740	0.018	8.651	0.012		0.941	0.017	T	0.93	0.01	L	8.7273	0.0015	0.015	131		8.70	8.75		C			1							S
68405	11.345	0.059	9.577	0.021		1.420	0.015	G	1.40	0.02	H	9.5333	0.0022	0.023	115		9.48	9.58					1							
68406	10.012	0.022	9.401	0.020	A	0.567	0.022	T	0.64	0.02	L	9.5148	0.0299	0.029	144	A	9.47	9.57		D	14002−5409	I 2	1 C P B							
68407											T	12.4400	0.3828			B				D	14002−5409	I 2	1 C F B							
68408	9.774	0.020	8.522	0.013		1.110	0.015	G	1.07	0.02	H	8.5419	0.0019	0.020	105		8.51	8.58					1							
68409	9.617	0.021	8.318	0.013		1.104	0.019	T	1.07	0.02	L	8.3574	0.0012	0.015	89		8.34	8.39					1							
68410	10.303	0.027	9.004	0.016		1.104	0.025	T	1.07	0.03	L	9.0816	0.0018	0.019	130		9.05	9.11					1							
68411	10.621	0.036	10.087	0.036		0.509	0.038	T	0.58	0.04	L	10.1303	0.0031	0.029	88		10.08	10.19		C			1							G
68412	7.592	0.006	7.562	0.008		0.032	0.009	T	0.05	0.01	L	7.5777	0.0014	0.013	149		7.55	7.60					1							S
68413	6.865	0.005	6.517	0.006		0.333	0.010	G	0.39	0.01	H	6.5677	0.0012	0.010	95		6.55	6.58					1							S
68414	6.845	0.006	6.589	0.006		0.240	0.009	T	0.27	0.01	L	6.6350	0.0008	0.008	87		6.62	6.65		C			1							S
68415	9.028	0.016	7.417	0.008		1.349	0.014	T	1.31	0.02	L	7.4377	0.0010	0.008	89		7.43	7.45					1							S
68416	11.029	0.048	10.113	0.035		0.812	0.044	T	0.84	0.03	L	10.1553	0.0031	0.025	109		10.10	10.20					1							
68417	10.396	0.021	8.974	0.011		1.218	0.020	T	3.97	0.04	O	8.2862	0.0067	0.093	209		8.09	8.47		U 2 C			1 S							
68418	8.315	0.006	6.774	0.004		1.297	0.005	G	1.26	0.01	H	6.7883	0.0007	0.008	224		6.78	6.80		C			1							S
68419	9.330	0.019	9.085	0.021	A	0.200	0.495	G	0.39	0.09	L *	9.1232	0.0027	0.018	83	*	9.10	9.15			14004−3517	I 1	2 C B	AB	148	1.384	0.078	3.03	0.26	
68420	10.463	0.029	8.859	0.013		1.310	0.015	G	1.27	0.02	H	8.8573	0.0018	0.017	151		8.83	8.89		C			1							
68421	11.243	0.068	9.391	0.023		1.540	0.057	T	1.59	0.12	L	9.3478	0.0018	0.017	95		9.31	9.38					1							
68422	9.608	0.018	9.618	0.026		0.110	0.015	G	0.12	0.01	H	9.6224	0.0020	0.027	119		9.58	9.69			14004−5937	I 1	1							D
68423	8.706	0.011	8.205	0.011		0.471	0.015	G	0.54	0.02	H	8.2641	0.0017	0.014	79		8.24	8.30		C			1							S
68424	11.292	0.072	10.571	0.062		0.662	0.076	T	0.72	0.06	L	10.7268	0.0048	0.035	82		10.67	10.79		C			1							G
68425	9.566	0.017	8.205	0.010		1.153	0.015	T	1.12	0.01	L	8.2512	0.0013	0.013	112		8.23	8.27		C			1							
68426	8.068	0.009	8.024	0.011		0.056	0.015	G	0.07	0.01	H	8.0436	0.0018	0.014	87		8.02	8.07		C			1							S
68427	9.854	0.015	9.304	0.015		0.521	0.016	T	0.59	0.02	L	9.3494	0.0017	0.025	229		9.30	9.39					1							
68428	10.371	0.022	9.760	0.021		0.567	0.022	T	0.64	0.02	L	9.8483	0.0024	0.032	204		9.80	9.90					1 S							
68429	9.998	0.020	8.690	0.012		1.111	0.018	T	1.07	0.02	L	8.7417	0.0021	0.019	129		8.72	8.77					1							
68430	8.368	0.011	8.268	0.013		0.097	0.016	T	0.11	0.02	L	8.2847	0.0017	0.011	57		8.27	8.30		C			1							S
68431	6.090	0.003	6.087	0.003		0.007	0.004	T	0.03	0.00	L	6.0966	0.0005	0.006	133		6.09	6.11					1							S
68432	9.735	0.019	8.996	0.016		0.662	0.019	T	0.72	0.02	L	9.0580	0.0018	0.014	97		9.03	9.09		C			1							
68433	9.076	0.012	8.539	0.011		0.464	0.010	G	0.53	0.01	H	8.5956	0.0016	0.017	145		8.57	8.62					1							S
68434	7.278	0.007	6.788	0.006		0.473	0.007	T	0.54	0.01	L	6.8386	0.0010	0.006	80		6.83	6.85		C			1							S
68435	9.852	0.040	8.357	0.021		1.258	0.036	T	1.22	0.04	L	8.3971	0.0024	0.015	78		8.38	8.42					1							
68436	9.270	0.011	9.147	0.014		0.265	0.015	G	0.30	0.02	H	9.1589	0.0024	0.029	202		9.11	9.22					1							
68437	11.267	0.062	10.562	0.054		0.649	0.067	T	0.71	0.06	L	10.6454	0.0038	0.029	76		10.57	10.69		C			1							G
68438	9.624	0.018	9.126	0.018		0.468	0.023	T	0.54	0.02	L	9.2013	0.0021	0.022	128		9.17	9.24		C			1							S
68439	10.125	0.026	8.894	0.016		1.051	0.024	T	1.02	0.02	L	8.9712	0.0020	0.016	91		8.95	8.99		C			1							
68440	8.785	0.013	8.491	0.014		0.280	0.018	T	0.32	0.02	L	8.5356	0.0016	0.011	81		8.52	8.56					1							S
68441	9.418	0.021	7.518	0.009		1.612	0.019	T	2.06	0.05	O	7.3920	0.0014	0.009	78		7.38	7.41					1							S
68442	10.032	0.018	8.831	0.011		1.028	0.016	T	1.00	0.01	L	8.8864	0.0017	0.022	227		8.85	8.92					1							
68443	9.695	0.017	8.206	0.010		1.250	0.015	G	1.21	0.01	H	8.2298	0.0014	0.015	120		8.21	8.26					1							S
68444	9.245	0.015	8.669	0.014		0.538	0.018	T	0.61	0.02	L	8.7359	0.0018	0.018	129		8.71	8.77					1							S
68445	10.924	0.042	9.309	0.017		1.352	0.036	T	1.32	0.04	L	9.3210	0.0022	0.021	146		9.29	9.36		C			1							
68446	8.385	0.010	8.107	0.011		0.264	0.014	T	0.30	0.02	L	8.1624	0.0023	0.013	79		8.14	8.19					1							S
68447	11.933	0.119	10.458	0.050		1.577	0.197	G	2.55	0.45	I	10.3936	0.0037	0.028	94		10.35	10.44		D			1 X							
68448	10.030	0.020	8.403	0.010	A	1.373	0.170	G	1.32	0.02	L *	8.3438	0.0016	0.015	156	*	8.32	8.37			14008−4916	M 1	2 C B	AB	59	9.946	0.036	3.29	0.22	
68449	9.515	0.016	8.450	0.011		0.923	0.015	T	0.92	0.01	L	8.5071	0.0017	0.016	113		8.48	8.54					1							
68450	9.564	0.026	9.075	0.025		0.460	0.033	T	0.53	0.04	L	9.1158	0.0032	0.018	61		9.09	9.14		C			1							S
68451	10.535	0.039	8.875	0.017		1.388	0.034	T	1.36	0.04	L	8.8715	0.0015	0.013	73		8.84	8.90		C			1							
68452	9.401	0.022	8.916	0.021		0.456	0.028	T	0.53	0.03	L	8.9844	0.0025	0.020	95		8.96	9.02		C			1							S
68453	9.187	0.017	8.162	0.013		0.893	0.016	T	0.90	0.01	L	8.2054	0.0013	0.009	65		8.19	8.23		C			1							S
68454	8.602	0.009	8.313	0.009		0.288	0.015	G	0.33	0.02	H	8.3430	0.0011	0.013	162		8.32	8.37		C			1							
68455	6.375	0.003	5.994	0.003		0.352	0.004	G	0.41	0.00	H	6.0467	0.0006	0.008	186		6.03	6.06		M	14009−6616	I 1	1							S
68456	10.017	0.026	8.857	0.016		0.996	0.024	T	0.97	0.02	L	8.8896	0.0017	0.013	80		8.86	8.92		C			1							
68457	10.227	0.026	8.756	0.014		1.239	0.023	T	1.20	0.02	L	8.7839	0.0018	0.021	128		8.74	8.82					1							
68458	9.252	0.019	8.685	0.018		0.518	0.015	G	0.59	0.02	H	8.7541	0.0020	0.014	61		8.73	8.79		C			1							S
68459	9.608	0.018	8.514	0.012		0.945	0.017	T	0.94	0.01	L	8.5685	0.0014	0.015	131		8.54	8.59		C			1							S
68460	8.486	0.011	8.515	0.014		−0.040	0.015	G	−0.02	0.01	H	8.5302	0.0021	0.016	82		8.50	8.55					1							
68461	9.788	0.016	9.016	0.013		0.703	0.016	T	0.76	0.01	L	9.0768	0.0016	0.019	190		9.04	9.11					1							S
68462						1.404	0.015	G	1.68	0.04	I	11.1347	0.0038	0.040	91		11.07	11.19		C			1							G
68463	9.150	0.014	8.719	0.014		0.423	0.015	G	0.49	0.02	H	8.7584	0.0013	0.015	143		8.74	8.79		C			1							S
68464	9.227	0.016	8.775	0.016		0.463	0.018	G	0.53	0.02	H	8.8332	0.0021	0.018	82		8.81	8.86					1							
68465	10.119	0.021	8.512	0.010		1.360	0.015	G	1.33	0.02	H	8.5108	0.0013	0.013	155		8.49	8.53		C			1							
68466	8.009	0.007	7.761	0.008		0.242	0.013	G	0.27	0.02	H	7.7940	0.0013	0.014	128		7.77	7.82					1							S
68467	8.280	0.010	7.223	0.006		0.910	0.015	G	0.91	0.01	H	7.2748	0.0014	0.014	122		7.25	7.30					1							S
68468	10.174	0.031	9.446	0.026		0.654	0.031	T	0.72	0.03	L	9.5236	0.0025	0.023	88		9.49	9.57					1							
68469	11.420	0.092	9.846	0.036		1.461	0.019	G	2.04	0.01	A	9.7639	0.0031	0.029	84		9.71	9.81					1							
68470	8.933	0.011	7.815	0.008		0.963	0.011	T	0.95	0.01	L	7.8634	0.0012	0.013	156		7.84	7.88		C			1							S
68471	9.165	0.020	8.765	0.020		0.378	0.026	T	0.44	0.03	L	8.8232	0.0019	0.012	57		8.80	8.85					1							S
68472	8.970	0.011	8.429	0.011		0.526	0.009	G	0.60	0.01	H	8.4833	0.0014	0.016	144		8.45	8.51		C			1							
68473	11.205	0.054	10.686	0.056		0.487	0.070	T	0.56	0.07	L	10.7054	0.0033	0.034	122		10.64	10.76		C			1							G
68474	8.531	0.010	7.013	0.006		1.276	0.009	T	1.24	0.01	L	7.0361	0.0010	0.009	88		7.03	7.05					1							S
68475	6.895	0.005	6.714	0.005		0.166	0.007	T	0.18	0.01	L	6.7546	0.0011	0.008	83		6.74	6.77		C			1							S
68476	10.531	0.027	10.040	0.028		0.462	0.035	T	0.53	0.04	L	10.1385	0.0025	0.031	151		10.06	10.20					1							
68477	11.525	0.077	9.652	0.025		1.589	0.067	T	2.02	0.23	K	9.3986	0.0087	0.059	112		9.30	9.50		U 2			1 X							
68478	6.454	0.003	6.252	0.003		0.193	0.004	T	0.21	0.01	L	6.2900	0.0006	0.007	134		6.28	6.30		C			1							S
68479	9.952	0.021	8.639	0.013		1.115	0.019	T	1.08	0.02	L	8.6987	0.0013	0.015	122		8.67	8.72					1							
68480	10.515	0.037	9.304	0.022		1.036	0.034	T	1.01	0.03	L	9.3783	0.0020	0.016	93		9.34	9.40		C			1							
68481	10.382	0.038	9.208	0.022		1.007	0.034	T	0.98	0.03	L	9.2477	0.0025	0.014	84		9.23	9.28		C			1							
68482	9.032	0.011	8.564	0.011		0.441	0.014	T	0.51	0.01	L	8.6148	0.0020	0.018	132		8.58	8.65					1							S
68483						0.486	0.107	G	0.56	0.11	R	8.9802	0.0020	0.014	80		8.96	9.00		C	14012−1023	I 1	1 S							
68484	9.381	0.018	8.953	0.018		0.404	0.023	T	0.47	0.03	L	9.0369	0.0026	0.017	85		9.01	9.06		C			1							S
68485	8.513	0.010	8.565	0.013	*	−0.043	0.015	T	−0.02	0.01	L *	8.5638	0.0022	0.019	105	*	8.54	8.59		D	14013−4835	I 1	2 C A	AB	82	0.294	0.005	0.19	0.06	
68486	9.726	0.028	9.087	0.025	*	0.594	0.033	T	0.66	0.03	L *	9.2013	0.0027	0.016	60	*	9.17	9.22		C	14013+0042	H 1	2 C S A	AB	33	0.158	0.026	1.29	0.53	S
68487	9.055	0.014	8.457	0.012		0.558	0.016	T	0.63	0.01	L	8.5308	0.0014	0.014	119		8.51	8.56		C	14013+5933	I 1	1							S
68488	9.976	0.021	8.584	0.012		1.190	0.015	G	1.15	0.01	H	8.6344	0.0012	0.015	123		8.61	8.66		C			1							
68489	8.114	0.010	7.974	0.012		0.131	0.024	G	0.15	0.03	H	7.9881	0.0016	0.012	76		7.97	8.01		C			1 G							S
68490	9.597	0.020	9.137	0.020	A	−0.300	0.495	G	0.55	0.05	L *	9.1045	0.0020	0.018	113	*	9.07	9.14		D	14013−5145	I 1	2 C B	AB	219	6.373	0.040	3.02	0.16	
68491	9.348	0.015	7.237	0.006		1.746	0.013	T	1.77	0.01	L	7.1396	0.0024	0.018	116		7.11	7.17		U 2			1							S
68492	10.676	0.038	9.234	0.019		1.216	0.033	T	1.18	0.03	L	9.2869	0.0021	0.021	113		9.25	9.33					1							
68493	7.762	0.008	6.258	0.004		1.265	0.007	T	1.22	0.01	L	6.2754	0.0008	0.006	92		6.26	6.29		C	14013−4013	I 1	1							S
68494	8.403	0.010	8.162	0.011		0.177	0.008	G	0.19	0.01	H	8.2254	0.0014	0.012	113		8.20	8.25		C			1							S
68495	8.261	0.009	7.262	0.006		0.873	0.008	T	0.88	0.01	L	7.3106	0.0009	0.010	136		7.29	7.33					1							S
68496	7.798	0.007	7.834	0.010		−0.028	0.011	T	−0.01	0.01	L	7.8391	0.0017	0.014	124		7.82	7.86		C			1							S
68497	9.127	0.012	8.513	0.011		0.583	0.015	G	0.65	0.01	H	8.5910	0.0014	0.019	164		8.56	8.63					1							S
68498	6.085	0.003	5.990	0.003		0.089	0.003	G	0.10	0.00	H	6.0139	0.0007	0.008	136		6.00	6.03					1							S
68499	9.736	0.023	7.849	0.010		1.568	0.020	T	1.59	0.02	L	7.7620	0.0020	0.015	84		7.74	7.79					1							S
68500	9.530	0.018	7.695	0.008		1.558	0.016	T	2.59	0.03	O	7.4535	0.0043	0.050	82		7.37	7.60		U 2			1 S							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
1 2	h m s	±° ′ ″	mag	6 7	deg	deg	10	mas	mas/yr		mas		mas	mas/yr		19	20	21	22	23	24	25	26	27	28	% 29	30
68501	14 01 22.33	+31 33 49.3	6.87	H	210.343 029 88	+31.563 691 91		5.48	−11.93	−39.30	0.53	0.57	0.87	0.74	0.60	−18	+10	−26	+28	−11	+ 2	−12	+ 9	−15	−19	3	0.18
68502	14 01 23.12	−31 20 38.0	8.79	H	210.346 333 35	−31.343 898 61		4.66	−23.02	−20.05	0.98	0.87	1.28	1.23	1.30	−39	−29	− 5	+13	+ 4	+ 4	− 4	−19	+13	−53	0	−0.28
68503	14 01 24.42	+54 21 53.9	9.06	H	210.351 740 09	+54.364 978 35		6.62	− 8.38	−10.22	0.72	0.72	0.87	0.92	0.81	+17	− 1	−15	− 8	− 4	+ 4	− 3	+ 6	−11	+14	1	0.92
68504	14 01 24.95	+48 10 21.9	9.38	H	210.353 946 32	+48.172 758 76		12.69	−25.05	198.48	0.84	0.89	1.11	0.95	0.89	+17	− 6	−12	−17	−12	+15	− 9	− 8	+ 0	+ 8	0	2.04
68505	14 01 25.13	+01 00 09.3	8.92	H	210.354 707 48	+01.002 569 77		4.46	20.12	−29.52	1.56	1.05	1.78	1.58	1.22	−23	+44	−14	−12	−23	+ 8	−31	− 5	−28	−25	0	0.31
68506	14 01 25.56	+04 06 54.0	7.92	2 G	210.356 481 70	+04.114 992 66		12.20	34.18	−85.52	0.83	0.62	1.02	0.92	0.71	−43	−23	− 6	− 8	−11	+24	+11	+41	−37	−69	0	0.76
68507	14 01 25.82	−31 37 14.0	7.57	H	210.357 603 96	−31.620 568 21		15.89	−85.47	−59.27	0.92	0.80	1.15	1.04	1.13	−48	−45	+23	−18	+21	+14	+20	−37	− 6	−38	0	0.82
68508	14 01 26.22	+09 17 55.8	6.91	H	210.359 259 11	+09.298 821 32		3.67	− 1.71	−28.42	0.64	0.41	0.85	0.64	0.42	−31	−35	+13	+15	+13	−12	+17	− 8	−15	−34	0	−1.23
68509	14 01 27.85	+05 55 15.2	9.37	H	210.366 043 85	+05.920 900 04		4.47	0.15	8.62	1.27	0.69	1.44	1.42	0.74	−23	−20	+ 5	+11	+ 9	+21	+10	+11	−26	−42	0	−0.39
68510	14 01 28.99	+23 12 20.6	9.49	H	210.370 808 27	+23.205 716 31		1.72	−34.87	14.55	1.07	0.71	1.29	1.00	0.69	− 6	−10	−12	−25	−22	+19	+13	+ 3	−14	−32	0	−1.64
68511	14 01 32.92	−48 31 42.3	11.19	H	210.387 146 49	−48.528 419 34		0.21	−22.24	−21.02	1.99	1.34	2.45	2.08	1.31	− 3	−34	+ 7	+15	−22	− 6	−24	+27	+12	+16	0	−0.67
68512	14 01 33.05	+32 34 57.8	8.51	H	210.387 721 51	+32.582 724 73		0.43	3.23	− 1.91	0.72	0.74	1.15	0.94	0.77	+ 0	− 7	−25	+10	+ 6	−17	+ 3	+ 1	−18	+ 1	1	−0.41
68513	14 01 34.45	+36 13 27.6	7.53	G	210.393 528 32	+36.224 326 55		10.02	−159.04	−51.78	0.54	0.62	0.88	0.60	0.69	+10	+15	−18	−42	− 9	−12	−12	−13	− 8	+13	0	0.15
68514	14 01 34.51	+04 15 10.2	7.08	H	210.393 789 60	+04.252 845 30		7.49	−31.93	− 0.83	0.75	0.56	0.92	0.83	0.65	−42	−21	− 7	− 7	−14	+21	+ 8	+43	−32	−70	0	−0.01
68515	14 01 34.88	+06 43 31.7	10.52	H	210.395 331 66	+06.725 462 00		2.81	−34.74	7.63	1.54	0.97	1.72	1.78	0.99	−21	−21	− 6	−15	+ 5	+ 2	+ 7	+15	− 9	−27	0	1.37
68516	14 01 36.84	+17 40 06.9	6.36	1 G	210.403 493 66	+17.668 593 15		0.54	−45.85	−83.14	0.62	0.50	0.80	0.77	0.57	−14	+ 3	−24	+30	− 3	− 7	− 4	+11	−10	− 9	0	−0.13
68517	14 01 37.27	+16 45 27.4	7.38	H	210.405 278 83	+16.757 623 56		7.63	−123.48	21.54	0.68	0.54	0.92	0.70	0.59	−16	−17	−24	+30	− 9	− 2	− 8	+18	−20	−30	0	−0.85
68518	14 01 38.31	−09 56 24.4	8.66	H	210.409 643 41	−09.940 124 82		4.95	− 3.67	7.54	1.26	0.64	1.38	1.28	0.71	−16	−42	− 9	+15	− 3	+12	− 7	−34	+24	− 9	0	−0.03
68519	14 01 38.39	+31 11 34.3	8.96	H	210.409 957 79	+31.192 863 17		19.94	63.80	−41.45	0.64	0.77	1.12	0.98	0.82	−27	+12	−27	+25	+ 6	+ 2	+ 4	+ 0	− 2	−22	1	1.42
68520	14 01 38.78	+01 32 40.5	4.23	H	210.411 596 48	+01.544 583 38		14.94	17.41	−21.20	0.75	0.62	0.88	0.81	0.66	−28	−13	−35	+21	−36	+22	−29	+35	−11	−45	0	0.98
68521	14 01 40.14	+34 14 19.9	9.34	H	210.417 262 37	+34.238 872 84		−0.12	−30.59	−29.13	0.93	1.04	1.37	1.18	1.10	−19	+19	−17	− 2	−15	+ 3	−14	− 6	−18	−10	3	−1.03
68522	14 01 41.85	+35 03 16.1	11.88	H	210.424 390 46	+35.054 482 32		18.42	−282.34	−456.51	1.76	2.05	2.81	2.16	2.08	+10	− 6	−29	−22	−12	− 8	−13	−23	− 6	+ 3	2	−0.73
68523	14 01 43.49	−45 36 12.1	4.34	H	210.431 216 48	−45.603 369 89		7.28	3.89	−20.94	0.83	0.54	0.80	1.14	0.77	− 2	−16	+25	−61	−22	− 9	−20	−25	−24	+16	2	1.56
68524	14 01 43.70	−05 39 58.9	8.58	H	210.432 080 85	−05.666 372 01		2.94	0.64	8.61	1.14	0.78	1.36	1.44	1.12	−23	−20	−28	+27	−10	+ 0	−21	− 5	+27	−49	0	−0.15
68525	14 01 44.01	+02 41 19.9	9.28	H	210.433 361 76	+02.688 867 13		7.86	−32.44	−156.70	1.23	0.83	1.45	1.31	0.96	−26	−29	−17	+ 6	−16	+10	− 5	+29	−16	−55	2	0.02
68526	14 01 44.07	+30 05 42.0	9.10	H	210.433 616 75	+30.095 007 29		3.25	−58.20	5.95	0.95	0.80	1.25	1.31	0.80	−16	+ 9	−28	+10	+ 6	−21	− 1	+11	− 1	−19	0	1.46
68527	14 01 44.39	+08 55 24.0	11.57	G	210.434 944 15	+08.923 329 37		13.01	162.46	−749.20	6.16	3.61	6.77	6.19	3.69	−16	−27	+ 7	−17	+ 9	+ 0	+ 9	−24	− 5	−23	0	
68528	14 01 44.48	+73 08 20.4	8.19	H	210.435 352 04	+73.139 005 87		1.71	2.95	10.18	0.61	0.65	0.71	0.73	0.77	− 2	− 7	−24	− 5	− 4	+ 4	− 3	+ 0	+ 9	−14	1	1.48
68529 H	14 01 45.13	+58 52 05.9	9.74	G	210.438 036 57	+58.868 312 72	A	5.27	47.84	−31.45	1.49	1.61	1.70	1.51	1.56	+ 6	− 6	−23	+ 2	− 4	+ 7	− 2	+15	−13	− 7	0	−0.28
68530	14 01 45.17	+01 44 29.3	8.67	H	210.438 209 32	+01.741 465 72		1.58	−28.97	− 6.98	1.00	0.80	1.28	1.07	0.90	−20	−31	−31	−18	−27	+29	−18	+13	+ 2	−44	0	0.96
68531	14 01 45.51	−61 18 14.3	8.48	H	210.439 609 67	−61.303 977 29		−1.47	− 4.15	− 4.65	0.94	0.82	1.36	1.03	0.86	+12	−33	− 3	+ 1	+ 9	−16	+ 2	− 3	+12	+42	0	−0.75
68532	14 01 45.72	−39 26 18.8	7.54	H	210.440 511 74	−39.438 554 76		9.25	−26.12	−24.25	0.70	0.57	0.89	0.76	0.79	− 9	−18	−15	−16	− 8	− 1	−10	− 7	+ 1	−20	0	1.52
68533	14 01 46.02	−45 00 41.3	10.94	G	210.441 761 80	−45.011 460 53		0.08	−22.51	− 5.30	1.77	1.33	2.19	1.66	1.72	+ 4	−38	−18	−14	−10	−17	−22	− 5	+19	−16	0	1.25
68534 H	14 01 47.09	−61 18 45.8	9.32	2 H	210.446 221 97	−61.312 722 94	A	7.79	−25.97	−15.28	2.67	2.41	3.53	2.61	2.33	+17	−29	+ 6	− 1	+14	−21	+13	− 5	− 6	+51	3	0.83
68535	14 01 48.58	−08 17 09.4	8.69	H	210.452 411 06	−08.285 948 69		8.67	−58.77	79.42	1.19	0.64	1.15	1.23	0.70	−13	−22	−10	+46	+10	+ 8	+11	−34	+25	− 5	0	0.73
68536	14 01 49.39	+40 25 12.2	6.81	H	210.455 773 40	+40.420 058 51		4.66	−16.01	− 7.23	0.48	0.58	0.77	0.55	0.57	+34	−17	−31	−29	−27	+ 6	−27	−37	+19	+17	0	0.23
68537	14 01 50.70	+68 40 43.3	6.34	H	210.461 269 95	+68.678 685 47		5.51	−33.68	− 4.45	0.47	0.46	0.53	0.53	0.54	− 4	− 4	−18	+ 0	+ 4	− 1	+ 4	− 2	+ 3	−16	1	0.63
68538 H	14 01 51.32	−17 53 36.9	8.32	H	210.463 831 92	−17.893 585 15	*	3.37	−31.75	−23.81	3.81	1.94	1.56	1.71	1.45	−19	−25	−20	+27	+14	−19	− 5	−32	+42	−37	2	−0.37
68539	14 01 52.18	+00 25 20.7	8.32	H	210.467 423 65	+00.422 414 71		15.60	−89.83	−43.84	1.15	0.82	1.32	1.23	0.83	−12	−10	−42	−20	−31	+22	−22	+10	− 5	−32	0	0.35
68540	14 01 54.11	−64 13 46.7	9.39	H	210.475 476 99	−64.229 639 82		2.77	− 2.79	− 4.54	0.80	0.95	1.32	0.98	1.11	+53	− 5	+ 1	+40	+34	+ 6	+35	+26	+ 5	+61	1	1.54
68541	14 01 54.79	+05 58 54.7	9.83	H	210.478 291 74	+05.981 862 19		5.26	−35.29	5.70	1.47	0.77	1.64	1.61	0.82	−20	−16	+ 1	+11	+18	+13	+15	− 3	−10	−40	0	0.36
68542	14 01 55.06	−46 39 05.3	9.34	H	210.479 418 39	−46.651 474 82		0.54	−11.65	− 0.21	1.26	1.05	1.58	1.37	1.22	−12	−41	− 2	+ 8	+ 5	−19	− 7	−32	+25	−21	0	0.50
68543	14 01 55.49	+32 49 33.3	9.48	G	210.481 198 17	+32.825 908 54		−1.23	−19.92	2.53	0.95	0.95	1.53	1.23	1.01	+ 5	− 5	−35	+19	+ 2	− 4	+ 0	− 5	− 8	− 3	0	−0.08
68544	14 01 56.03	−52 18 05.3	10.44	H	210.483 456 58	−52.301 459 33		1.80	−29.82	−10.49	1.12	1.21	1.94	1.57	1.40	−18	−21	+ 7	+14	+ 0	− 5	− 4	+13	+22	+20	0	0.64
68545	14 01 56.68	+56 18 49.8	8.84	H	210.486 174 73	+56.313 821 12		2.45	−33.89	25.84	0.69	0.70	0.84	0.94	0.79	+ 7	+ 4	−24	+25	−11	+ 3	−10	+18	−23	+ 0	0	−0.46
68546	14 01 57.32	+32 50 16.1	8.89	G	210.488 826 97	+32.837 811 54		2.67	13.53	−13.06	0.81	0.88	1.40	1.11	0.92	+ 3	− 5	−37	+16	+ 0	− 3	− 1	− 5	−12	− 3	0	−0.01
68547	14 01 57.55	+21 33 21.9	7.93	H	210.489 794 49	+21.556 095 51		18.15	−121.06	10.65	0.75	0.64	0.98	0.77	0.70	−15	+ 4	+ 3	− 7	−22	− 6	−23	− 3	− 9	−46	0	−0.52
68548	14 01 57.77	+19 25 49.0	9.52	H	210.490 691 92	+19.430 268 17	A	11.17	−18.87	3.88	5.76	5.92	6.77	6.58	5.90	−16	+14	−45	− 5	+34	−38	+16	−53	+25	−36	0	0.33
68549	14 01 58.31	+19 25 29.6	9.86	H	210.492 955 44	+19.424 889 71	B	4.95	−14.00	6.14	16.94	15.86	13.77	13.18	11.16	−11	+ 2	−45	+ 2	+29	−40	+ 7	−45	+25	−37	0	0.33
68550	14 01 58.51	−28 15 29.0	9.55	G	210.493 791 54	−28.258 064 38		4.77	5.77	−11.42	1.20	0.81	1.43	1.42	1.03	−10	−29	−17	+18	+ 6	+25	+ 6	−23	+ 8	−19	0	1.63
68551 H	14 01 58.68	+15 29 41.2	10.63	G	210.494 514 51	+15.494 788 62	A	37.28	105.12	−16.38	5.78	4.35	5.79	4.70	3.41	−26	− 9	−16	+14	+17	− 8	+16	− 8	−10	−30	1	0.72
68552	14 01 59.93	−21 07 59.2	9.51	G	210.499 696 24	−21.133 116 60		20.61	−202.74	−143.21	1.61	1.05	1.78	1.90	1.56	− 2	−36	−25	+35	+18	−16	− 2	−26	+32	−28	0	−1.09
68553	14 02 00.39	+53 28 42.6	9.62	H	210.501 614 26	+53.478 513 52		7.59	−40.42	14.74	0.72	0.80	0.94	0.79	0.83	+17	−16	−24	−10	− 2	+ 9	+ 1	+ 1	− 6	+10	1	1.99
68554 H	14 02 00.60	+57 13 28.6	7.80	H	210.502 483 48	+57.224 602 16	A	7.82	− 7.77	− 6.25	1.47	1.53	1.23	1.25	1.34	+39	− 4	− 6	−13	− 8	+ 1	−10	− 4	− 2	+38	1	1.38
68555	14 02 00.83	+70 20 10.8	7.51	H	210.503 461 06	+70.336 337 45		3.40	10.01	23.86	0.55	0.53	0.62	0.61	0.63	+ 1	−10	−19	− 3	− 6	− 5	− 9	− 9	+15	− 8	0	−1.10
68556	14 02 00.96	−62 57 20.4	8.74	H	210.503 985 76	−62.955 668 00		3.99	− 7.63	0.35	0.60	0.83	1.31	0.71	0.90	+46	−26	−24	+39	+22	−21	+20	+11	− 3	+49	0	−0.48
68557	14 02 04.29	−69 02 27.1	8.35	H	210.517 890 62	−69.040 847 79		3.17	− 6.57	−17.60	0.58	0.72	0.94	0.68	0.84	+15	− 8	+ 8	+ 7	+16	−14	+16	+ 8	+13	+17	0	−1.33
68558	14 02 04.48	−49 42 03.5	9.27	H	210.518 646 98	−49.700 977 04		7.57	−47.53	−17.72	0.81	0.81	1.42	1.02	0.77	−25	−23	+14	+22	−31	−38	−26	+39	−13	+ 7	0	−0.03
68559	14 02 05.66	+69 32 09.3	9.61	H	210.523 603 81	+69.535 922 63		7.63	39.46	−25.73	0.94	0.89	1.04	1.21	1.03	+ 9	− 7	−11	−16	+ 2	−19	+ 0	− 8	+ 9	− 3	0	−0.34
68560	14 02 07.28	+43 33 32.7	7.68	G	210.530 341 99	+43.559 093 97		4.72	−24.54	3.89	0.51	0.59	0.78	0.62	0.60	+17	+ 3	−18	+ 0	−27	+ 3	−27	−21	− 1	− 3	0	−0.95
68561 H	14 02 08.28	−67 10 47.1	8.84	2 H	210.534 491 67	−67.179 745 74	A	6.28	−34.89	−27.12	1.92	1.90	2.71	2.17	1.98	+37	−24	− 5	+ 6	+ 7	−28	+ 7	+10	− 3	+53	6	1.05
68562	14 02 08.92	+26 37 42.2	11.13	H	210.537 183 55	+26.628 386 78		3.08	0.34	−36.83	1.67	1.42	2.09	1.73	1.39	−29	+ 3	−18	−15	+ 2	− 4	+ 2	+ 5	− 7	−33	0	0.00
68563	14 02 10.51	+45 59 22.7	8.04	G	210.543 780 93	+45.989 648 01		15.09	−29.70	12.44	0.54	0.67	0.83	0.61	0.68	+24	−11	−36	−14	−15	+ 2	−21	−38	+22	− 3	0	−0.01
68564	14 02 10.88	−61 57 28.4	8.44	H	210.545 349 55	−61.957 892 83		0.33	− 7.13	− 4.08	0.70	0.76	1.13	0.95	0.78	+21	−16	+ 1	+ 0	+26	+15	+13	+13	+23	+52	0	0.87
68565	14 02 10.89	−56 08 45.5	9.20	H	210.545 365 89	−56.145 960 92		8.98	− 3.83	− 4.12	0.94	0.98	1.27	1.17	1.14	−17	− 9	− 2	+24	− 9	− 6	−13	+41	+ 6	+ 4	0	−2.40
68566	14 02 11.50	−56 59 19.6	8.31	H	210.547 926 80	−56.988 777 40		1.05	− 9.23	− 7.05	0.70	0.71	1.01	0.85	0.86	− 4	−20	−16	+17	+ 0	− 9	− 7	+29	+21	− 1	0	0.53
68567	14 02 12.17	+45 45 13.1	6.28	H	210.550 687 53	+45.753 647 48		5.99	28.71	−78.23	0.46	0.56	0.69	0.52	0.57	+30	−10	−35	−19	−23	+ 1	−28	−40	+22	+ 5	0	0.65
68568	14 02 13.66	+04 38 37.4	10.45	H	210.556 903 40	+04.643 732 03		2.33	−27.10	29.17	1.57	1.03	1.87	1.58	1.06	−41	−32	+ 8	+ 2	+15	+13	+22	+15	−28	−57	0	0.15
68569	14 02 16.87	−87 36 55.3	8.50	H	210.570 310 74	−87.615 358 47		2.44	4.82	− 3.44	0.69	0.63	0.78	0.82	0.78	+16	− 6	+17	− 8	− 4	−15	− 2	+ 0	−13	+34	0	0.84
68570	14 02 19.57	+13 41 23.9	10.68	H	210.581 521 70	+13.689 978 29		51.21	96.60	−140.22	1.66	1.17	2.17	1.84	1.27	−29	−30	−15	+13	+29	−31	+23	−27	− 3	−41	0	0.30
68571	14 02 19.71	−42 12 31.4	8.96	H	210.582 141 92	−42.208 717 03		1.40	7.76	−11.30	0.96	0.82	1.24	0.94	0.92	−17	−42	+ 1	+ 9	+ 2	+ 0	− 2	− 1	+12	−16	0	1.10
68572	14 02 19.84	−71 45 58.6	8.30	H	210.582 676 15	−71.766 265 21		7.19	−42.51	−45.82	0.59	0.73	0.89	0.77	0.86	+19	− 5	+12	+ 5	+ 3	− 9	+ 5	− 3	+ 6	+35	0	−0.44
68573	14 02 20.07	−12 02 13.7	8.71	H	210.583 640 37	−12.037 126 01		18.09	−34.82	1.09	1.45	0.70	1.41	1.95	0.89	−17	−11	−29	+52	−19	+17	−22	−48	+40	−18	0	−0.03
68574	14 02 20.29	−64 55 31.0	8.62	H	210.584 553 90	−64.925 271 48		0.05	− 4.47	− 0.60	0.67	0.77	1.13	0.83	0.93	+45	−22	−16	− 3	+ 8	+ 1	+ 6	− 6	+ 7	+53	0	−0.19
68575 H	14 02 20.38	−52 33 11.6	8.46	H	210.584 935 18	−52.553 226 27	*	6.73	−59.95	−12.08	0.59	0.69	1.09	0.88	0.82	−24	−19	+ 4	+18	+ 3	+ 0	+ 0	+12	+28	+17	0	2.61
68576	14 02 20.44	+36 06 43.4	7.23	H	210.585 166 62	+36.112 066 55		11.75	−24.40	−87.08	0.54	0.60	0.86	0.59	0.68	+23	+14	−13	−47	−17	−13	−20	−19	− 9	+26	0	1.31
68577	14 02 20.95	+72 56 13.5	8.66	H	210.587 291 76	+72.937 079 26		3.18	−128.14	−13.63	0.70	0.73	0.81	0.81	0.83	− 1	− 8	−20	+ 0	−12	+ 7	−10	+ 7	+ 7	−21	1	−1.51
68578	14 02 21.09	+20 52 53.3	7.69	H	210.587 893 41	+20.881 476 59		17.59	109.12	−66.34	0.97	0.67	1.10	1.35	0.78	−11	− 4	−12	− 4	+ 2	−27	+ 0	− 1	−17	−19	0	−1.01
68579	14 02 22.41	−51 26 57.0	10.52	H	210.593 383 56	−51.449 152 98		3.85	− 4.40	1.08	1.38	1.18	2.07	1.43	1.20	− 4	−41	+13	+12	− 7	+16	−14	+16	+ 8	+21	0	1.03
68580	14 02 22.78	+08 29 18.5	8.22	H	210.594 895 94	+08.488 468 38		0.80	−23.09	− 7.31	1.00	0.50	1.13	1.07	0.51	−17	−15	+14	−21	+13	− 7	+15	−17	− 5	−29	0	−0.54
68581	14 02 22.80	−27 25 47.1	5.47	G	210.595 011 53	−27.429 762 94		7.51	−32.38	− 4.12	0.63	0.46	0.73	0.76	0.59	−17	−23	−19	+20	− 9	+14	− 8	− 1	− 3	−30	0	−0.04
68582	14 02 23.55	−67 32 06.9	7.35	H	210.598 143 79	−67.535 254 94		1.44	− 5.83	−11.25	0.53	0.56	0.88	0.70	0.69	+26	− 8	+ 4	+16	+11	−32	+14	+10	−10	+49	0	0.64
68583	14 02 23.87	+10 19 37.1	7.12	H	210.599 442 97	+10.326 980 56		6.03	−29.60	22.72	0.59	0.40	0.79	0.66	0.42	−22	+ 0	+10	+31	+26	+10	+19	−10	−20	−34	0	−1.40
68584	14 02 23.99	−66 47 21.3	8.27	H	210.599 962 59	−66.789 239 43		4.07	16.93	4.36	0.63	0.67	1.00	0.70	0.76	+30	−23	+ 1	− 7	−12	−18	− 9	− 2	−14	+43	0	−0.52
68585	14 02 25.48	+41 21 40.8	8.53	H	210.606 169 81	+41.361 333 91		5.76	− 8.12	−32.23	0.58	0.75	0.97	0.69	0.77	+17	−16	−32	−14	− 6	+ 4	−10	−30	+22	− 5	0	1.74
68586	14 02 26.14	−69 35 22.3	8.31	G	210.608 930 15	−69.589 513 98		11.11	−217.23	−12.56	0.61	0.76	0.96	0.73	0.82	+24	− 8	+ 8	+ 8	+12	− 8	+11	+ 3	+15	+31	1	−1.18
68587 H	14 02 27.50	−24 39 52.6	8.14	G	210.614 574 57	−24.664 615 69	A	15.37	−92.02	−123.01	1.70	1.33	1.39	1.46	0.99	− 2	−10	−15	−10	− 4	−25	−14	−25	+29	−14	2	−0.01
68588	14 02 28.46	+46 20 27.7	13.09	H																							
68589	14 02 28.49	+68 30 10.3	10.56	H	210.618 704 95	+68.502 853 21		7.36	−176.07	−25.96	1.24	1.23	1.41	1.39	1.54	− 4	− 9	−15	+ 2	+ 1	− 4	− 2	− 9	+ 3	−23	3	1.57
68590	14 02 29.14	+43 59 21.3	8.73	H	210.621 407 38	+43.989 239 76		1.66	3.74	− 1.41	0.77	0.81	1.15	0.92	0.83	+ 8	+ 8	− 8	−15	+ 1	−21	+10	−21	−17	+ 1	−11	0	−0.23
68591	14 02 30.12	−40 48 55.1	8.40	H	210.625 498 75	−40.815 298 42		1.72	−24.93	− 7.10	0.86	0.67	1.11	0.77	0.83	− 4	−47	−11	−13	− 3	+ 4	− 4	−12	+ 0	−20	0	−0.53
68592	14 02 30.12	−05 39 01.7	11.13	G	210.625 508 80	−05.650 476 94		2.88	−54.40	−399.56	3.03	1.41	3.10	3.61	1.87	− 8	−29	−13	+46	+12	+15	−11	−35	+25	−31	0	0.66
68593	14 02 31.70	+31 39 39.0	7.16	H	210.632 094 78	+31.660 834 02		26.87	−93.46	8.71	0.53	0.52	0.84	0.76	0.56	−12	+ 6	−16	+25	− 4	+ 6	− 5	+13	−22	+14	3	−0.05
68594	14 02 31.96	+09 41 10.6	6.18	H	210.633 157 39	+09.686 266 04		3.76	−188.93	−70.10	0.55	0.37	0.72	0.56	0.39	−33	−16	+ 9	+ 9	+21	− 1	+21	−15	−18	−39	0	−0.84
68595	14 02 32.25	−02 11 42.3	8.60	H	210.634 378 69	−02.195 069 59		11.92	50.50	−23.00	1.01	0.70	1.17	0.98	0.77	−28	−29	− 4	− 4	−11	− 2	−19	−14	+22	−39	0	−1.09
68596	14 02 32.47	+63 36 35.2	8.89	H	210.635 287 62	+63.609 774 78		6.31	2.14	−32.36	0.69	0.68	0.79	0.74	0.76	+ 6	−13	− 2	− 8	+ 2	−10	+ 2	+13	− 6	+13	1	−1.13
68597	14 02 32.52	−19 48 35.6	7.18	H	210.635 511 55	−19.809 891 27		5.25	−44.51	−12.96	0.89	0.79	1.10	1.28	0.99	−17	+ 4	−47	− 2	+11	−15	+16	−57	+44	+ 5	0	2.07
68598	14 02 32.71	−52 38 40.9	9.70	H	210.636 271 68	−52.644 707 35		17.76	−141.14	−64.11	0.79	0.81	1.43	1.40	1.08	−14	+ 7	+ 9	+23	+ 8	+12	+13	+12	+35	+37	1	−1.43
68599 H

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
68501	8.736	0.011	7.037	0.006		1.419	0.010	T	1.40	0.02	L	7.0076	0.0011	0.011	134		6.99	7.03					1							S
68502	9.998	0.025	8.903	0.017		0.946	0.023	T	0.94	0.02	L	8.9495	0.0023	0.017	92		8.93	8.98					1							
68503	9.573	0.020	9.093	0.018		0.452	0.025	T	0.52	0.03	L	9.1625	0.0017	0.017	116		9.14	9.19					1							
68504	10.254	0.028	9.449	0.022		0.689	0.015	G	0.75	0.01	H	9.5168	0.0019	0.021	127		9.47	9.56					1							
68505	10.191	0.036	9.061	0.024		0.972	0.034	T	0.96	0.03	L	9.0839	0.0031	0.019	54		9.06	9.12		C			1							
68506	8.430	0.011	7.953	0.011		0.455	0.015	G	0.52	0.02	H	8.0131	0.0010	0.010	112		7.99	8.08		U 2			1							S
68507	8.134	0.009	7.631	0.009		0.485	0.015	G	0.56	0.02	H	7.6807	0.0015	0.014	95		7.65	7.70			14014−3137	I 1	1 G							S
68508	8.721	0.009	7.056	0.005		1.392	0.008	T	1.37	0.01	L	7.0498	0.0009	0.011	169		7.03	7.07					1							S
68509	9.949	0.027	9.416	0.027		0.514	0.020	G	0.59	0.02	H	9.4801	0.0025	0.020	100		9.45	9.52		C			1							
68510	11.233	0.057	9.593	0.024		1.310	0.015	G	1.31	0.09	H	9.6428	0.0020	0.020	101		9.61	9.68		C			1							
68511											T	11.3371	0.0045	0.040	98		11.27	11.40					1 S							G
68512	10.113	0.022	8.652	0.012		1.240	0.015	G	1.20	0.01	H	8.6717	0.0019	0.019	133		8.64	8.71					1							
68513	8.612	0.008	7.635	0.006		0.840	0.015	G	0.86	0.01	H	7.6831	0.0010	0.012	146		7.66	7.71					1							S
68514	8.391	0.011	7.198	0.006		1.022	0.010	T	1.00	0.01	L	7.2459	0.0012	0.010	122		7.23	7.26					1							S
68515	11.298	0.061	10.536	0.050		0.695	0.062	T	0.75	0.05	L	10.6646	0.0038	0.034	115		10.61	10.74		C			1							G
68516	7.882	0.008	6.509	0.005		1.215	0.005	G	1.17	0.01	H	6.5174	0.0016	0.014	104		6.49	6.54		U 2			1							S
68517	8.008	0.008	7.443	0.009		0.529	0.011	T	0.60	0.01	L	7.4965	0.0008	0.010	108		7.48	7.51					1							S
68518	9.101	0.014	8.681	0.014		0.397	0.018	T	0.46	0.02	L	8.7540	0.0019	0.016	83		8.73	8.78		C			1							
68519	9.933	0.022	9.072	0.017		0.771	0.021	T	0.81	0.01	L	9.1095	0.0018	0.022	156		9.08	9.15		R			1							
68520	4.368	0.003	4.254	0.002		0.121	0.015	G	0.14	0.02	A	4.2777	0.0007	0.004	63		4.27	4.28		C	14016+0133	I 1	1							S
68521	10.970	0.045	9.450	0.022		1.240	0.015	G	1.20	0.01	H	9.4995	0.0026	0.020	97		9.47	9.54		C			1							
68522											T	11.9857	0.0068	0.057	102		11.91	12.07					1							G
68523	5.075	0.004	4.404	0.003		0.598	0.011	G	0.65	0.02	A	4.4632	0.0005	0.004	74		4.46	4.47		C			1 G							S
68524	10.207	0.043	8.698	0.022		1.269	0.038	T	1.23	0.04	L	8.7388	0.0025	0.016	56		8.71	8.77					1							
68525	10.428	0.041	9.359	0.026		0.926	0.037	T	0.92	0.03	L	9.4397	0.0023	0.017	81		9.41	9.47		C			1							S
68526	10.358	0.033	9.208	0.020		1.010	0.015	G	0.99	0.01	H	9.2652	0.0020	0.020	96		9.22	9.30					1							
68527						0.746	0.012	G	0.79	0.01	H	11.7297	0.0074	0.060	123		11.64	11.83					1 X							G G
68528	9.531	0.016	8.322	0.010		1.034	0.015	T	1.01	0.01	L	8.3601	0.0017	0.014	135		8.33	8.39					1							
68529	10.510	0.035	9.946	0.034	A	0.260	0.351	G	0.41	0.13	L *	9.8682	0.0024	0.021	107	*	9.84	9.90		D	14018+5852	I 1	2 C A	AB	166	3.171	0.012	1.95	0.05	
68530	10.323	0.050	8.827	0.025		1.259	0.044	T	1.22	0.05	L	8.8280	0.0018	0.013	72		8.81	8.84		C			1							
68531	8.465	0.012	8.450	0.016		0.019	0.018	T	0.04	0.02	L	8.4918	0.0017	0.019	99		8.44	8.52					1							
68532	7.744	0.008	7.564	0.009		0.172	0.011	T	0.19	0.01	L	7.5967	0.0014	0.010	78		7.58	7.62					1							S
68533	11.267	0.077	10.807	0.082		0.310	0.020	G	0.36	0.03	H	11.0533	0.0054	0.043	87		10.97	11.13					1							G
68534	9.707	0.025	9.321	0.026	A	0.400	0.495	G	0.14	0.14	L *	9.3694	0.0046	0.048	97	*	9.28	9.43		U	14018−6119	I 1	2 C A	AB	267	3.545	0.034	2.23	0.15	
68535	9.363	0.016	8.764	0.015		0.559	0.019	T	0.63	0.02	L	8.8147	0.0018	0.016	83		8.79	8.84		C			1							S
68536	8.339	0.009	6.939	0.005		1.183	0.008	T	1.14	0.01	L	6.9743	0.0008	0.008	149		6.96	6.99		C			1							S
68537	8.183	0.010	6.493	0.005		1.412	0.009	T	1.39	0.01	L	6.4838	0.0010	0.009	126		6.47	6.50					1							S
68538	9.755	0.027	8.471	0.016	*	1.093	0.024	T	1.05	0.03	L *	8.4882	0.0023	0.015	64	*	8.45	8.52		C	14019−1754	H 1	2 C A	AB	165	0.262	0.024	2.58	0.25	
68539	8.966	0.016	8.388	0.015		0.540	0.019	T	0.61	0.02	L	8.4352	0.0016	0.016	59		8.41	8.46		C			1							S
68540	9.450	0.011	9.428	0.016		0.127	0.015	G	0.14	0.01	H	9.4344	0.0022	0.027	233		9.39	9.49					1							G
68541	10.355	0.030	9.801	0.029		0.519	0.037	T	0.59	0.04	L	9.9453	0.0031	0.027	110		9.90	9.98					1							
68542	10.840	0.051	9.431	0.027		1.190	0.045	T	1.15	0.04	L	9.5049	0.0025	0.022	74		9.47	9.55					1							
68543	10.983	0.047	9.548	0.022		1.241	0.035	G	1.20	0.03	H	9.6652	0.0028	0.023	118		9.63	9.70		C			1							
68544	10.927	0.043	10.504	0.047		0.400	0.059	T	0.47	0.07	L	10.5242	0.0034	0.040	153		10.47	10.58		C			1							G
68545	10.025	0.025	8.955	0.016		0.927	0.023	T	0.92	0.02	L	8.9982	0.0021	0.018	119		8.95	9.03					1							
68546	10.097	0.023	8.980	0.015		0.952	0.015	G	0.94	0.01	H	9.0629	0.0018	0.020	121		9.03	9.09					1							
68547	8.672	0.010	7.987	0.008		0.614	0.024	G	0.68	0.02	H	8.0582	0.0012	0.014	116		8.03	8.09					1							S
68548	10.418	0.034	9.531	0.026	A	0.790	0.032	T	0.82	0.02	L	9.6579	0.0359	0.132	74	A	9.32	9.78		D	14020+1926	I 2	1 C P D							D
68549	10.860	0.053	9.886	0.037	B	0.855	0.048	T	0.87	0.04	L	10.0934	0.0479			B				D	14020+1926	I 2	1 C I D							D
68550	10.666	0.048	9.688	0.032		0.940	0.020	G	0.93	0.01	H	9.7094	0.0030	0.019	73		9.68	9.74		C			1							
68551	12.403	0.222	11.266	0.129	A	1.424	0.015	G	1.80	0.02	A *	10.7060	0.0048	0.037	108	*	10.65	10.77		D	14020+1530	I 1	2 C A	AB	178	1.656	0.010	0.08	0.03	G
68552	10.742	0.066	9.542	0.038		0.926	0.002	G	0.97	0.00	I	9.6395	0.0028	0.024	61		9.60	9.68					1							
68553	10.180	0.025	9.663	0.024		0.486	0.031	T	0.56	0.03	L	9.7304	0.0018	0.018	126		9.71	9.76					1							
68554	8.348	0.008	7.858	0.009	*	0.461	0.011	T	0.53	0.01	L *	7.9024	0.0010	0.011	118	*	7.88	7.92		D	14020+5714	I 1	2 C A	AB	234	0.423	0.003	0.33	0.02	S
68555	8.860	0.012	7.603	0.007		1.071	0.011	T	1.04	0.01	L	7.6725	0.0012	0.010	122		7.65	7.69		C			1							S
68556	9.927	0.016	8.889	0.011		0.903	0.015	T	0.90	0.01	L	8.9036	0.0016	0.022	259		8.87	8.95					1 S							
68557	8.933	0.012	8.401	0.011		0.499	0.015	T	0.57	0.02	L	8.4567	0.0019	0.019	141		8.42	8.48		C			1							
68558	9.768	0.017	9.324	0.018		0.433	0.020	T	0.50	0.02	L	9.3686	0.0015	0.018	149		9.33	9.39					1							
68559	10.592	0.038	9.663	0.027		0.821	0.035	T	0.84	0.03	L	9.7641	0.0031	0.022	113		9.72	9.80					1							
68560	8.821	0.010	7.777	0.007		0.900	0.015	G	0.90	0.01	H	7.8471	0.0013	0.013	127		7.83	7.87					1							S
68561	9.338	0.023	8.775	0.023	*	0.531	0.024	T	0.60	0.03	L *	8.9566	0.0066	0.084	170	*	8.90	9.28		U 2	14021−6711	I 1	2 C A	AB	160	3.656	0.008	1.21	0.04	
68562	11.930	0.129	10.928	0.082		0.876	0.114	T	0.89	0.08	L	11.2681	0.0056	0.036	96		11.21	11.34		C			1							G
68563	8.699	0.010	8.110	0.009		0.578	0.015	G	0.65	0.01	H	8.1587	0.0009	0.010	146		8.14	8.17		C			1							S
68564	8.473	0.009	8.457	0.011		0.019	0.013	T	0.04	0.01	L	8.4567	0.0019	0.018	130		8.43	8.49		C			1 S							
68565	9.766	0.021	9.258	0.021		0.460	0.006	G	0.53	0.01	H	9.3073	0.0020	0.023	123		9.27	9.35		D			1							
68566	8.288	0.009	8.315	0.011		−0.020	0.013	T	0.00	0.01	L	8.3155	0.0023	0.019	116		8.29	8.34					1							
68567	8.036	0.007	6.420	0.004		1.353	0.006	T	1.32	0.01	L	6.4268	0.0008	0.007	137		6.42	6.44		C			1							S
68568	11.053	0.045	10.529	0.045		0.492	0.057	T	0.56	0.06	L	10.5597	0.0036	0.032	142		10.52	10.62					1							
68569	9.990	0.030	8.646	0.017		1.140	0.027	T	1.10	0.03	L	8.6716	0.0018	0.018	133		8.63	8.70					1							
68570	12.386	0.162	10.797	0.060		1.559	0.082	G	2.48	0.34	I	10.7051	0.0033	0.040	119		10.63	10.77					1							G
68571	10.137	0.028	9.091	0.019		0.909	0.025	T	0.91	0.02	L	9.1229	0.0017	0.017	88		9.10	9.16		C			1							
68572	8.827	0.010	8.352	0.010		0.447	0.013	T	0.52	0.01	L	8.4026	0.0017	0.016	139		8.37	8.43					1							
68573	9.567	0.022	8.769	0.018		0.707	0.022	T	0.76	0.02	L	8.8451	0.0013	0.014	99		8.81	8.86					1							S
68574	10.853	0.034	8.805	0.011		1.696	0.028	T	1.72	0.03	L	8.7206	0.0018	0.023	193		8.68	8.76		R			1 S							
68575	9.157	0.013	8.523	0.011	*	0.589	0.015	T	0.66	0.01	L *	8.5853	0.0017	0.016	170	*	8.56	8.61		C	14023−5233	I 1	2 C S A	AB	209	0.140	0.015	1.02	0.50	
68576	7.778	0.007	7.283	0.006		0.466	0.008	T	0.54	0.01	L	7.3326	0.0011	0.012	138		7.32	7.36		C			1							S
68577	9.844	0.020	8.748	0.013		0.928	0.008	G	0.97	0.01	I	8.8077	0.0016	0.016	118		8.79	8.84		C			1							
68578	8.988	0.016	7.796	0.011		0.962	0.010	G	0.95	0.01	I	7.8389	0.0020	0.016	67		7.82	7.87					1							S
68579	11.027	0.059	10.458	0.054		0.532	0.071	T	0.60	0.07	L	10.6346	0.0042	0.036	106		10.58	10.69		C			1							G
68580	10.118	0.023	8.379	0.010		1.450	0.020	T	1.45	0.03	L	8.3582	0.0015	0.015	139		8.34	8.38		C			1							S
68581	7.208	0.006	5.619	0.004		1.331	0.003	G	1.29	0.00	I	5.6282	0.0007	0.005	92		5.62	5.64		C			1							S
68582	8.930	0.011	7.494	0.006		1.212	0.010	T	1.17	0.01	L	7.5159	0.0013	0.014	166		7.49	7.54					1							S
68583	8.486	0.008	7.218	0.005		1.070	0.020	G	1.03	0.02	I	7.2676	0.0008	0.010	209		7.25	7.29		C			1							S
68584	8.669	0.010	8.294	0.010		0.355	0.013	T	0.42	0.01	L	8.3537	0.0020	0.021	176		8.32	8.39					1							
68585	9.191	0.012	8.597	0.011		0.554	0.014	T	0.63	0.01	L	8.6544	0.0019	0.018	155		8.62	8.69					1							S
68586	9.145	0.013	8.366	0.010		0.692	0.002	G	0.75	0.00	H	8.4415	0.0016	0.023	147		8.41	8.48					1							
68587	8.992	0.015	8.216	0.012	*	0.685	0.002	G	0.74	0.00	H *	8.2797	0.0018	0.011	77	*	8.26	8.31		D	14025−2440	I 1	2 C A	AB	357	0.417	0.007	2.17	0.04	S
68588						1.485	0.011	G	2.10	0.08	B	13.1617	0.0834	0.000	1		13.16	13.16		R	14025+4620	I 1								G
68589	11.472	0.085	10.510	0.055		0.846	0.075	T	0.86	0.06	L	10.7120	0.0036	0.033	112		10.65	10.76		C			1							G
68590	10.007	0.021	8.818	0.013		1.018	0.019	T	0.99	0.01	L	8.8931	0.0022	0.022	118		8.86	8.93					1							S
68591	9.677	0.021	8.512	0.014		1.000	0.020	T	0.98	0.02	L	8.5647	0.0017	0.016	86		8.54	8.59		C			1							
68592						0.397	0.040	G	0.46	0.04	H	11.2334	0.0065	0.041	66		11.16	11.30		C			1							G
68593	7.809	0.007	7.225	0.006		0.563	0.001	G	0.64	0.00	H	7.2840	0.0008	0.008	136		7.27	7.30					1							S
68594	7.276	0.004	6.305	0.003		0.853	0.004	T	0.87	0.00	L	6.3275	0.0007	0.007	183		6.32	6.34					1							S
68595	9.526	0.021	8.638	0.016		0.791	0.020	T	0.82	0.01	L	8.7489	0.0021	0.018	102		8.72	8.78					1							S
68596	9.567	0.015	8.941	0.014		0.582	0.018	T	0.65	0.02	L	9.0137	0.0021	0.019	134		8.98	9.04		C			1							
68597	7.876	0.011	7.244	0.009		0.582	0.011	T	0.65	0.01	L	7.3086	0.0011	0.008	55		7.30	7.32		C			1							S
68598	10.673	0.037	9.757	0.026		0.797	0.035	T	0.83	0.03	L	9.8436	0.0024	0.024	173		9.80	9.88		C			1							G
68599	9.225	0.013	8.688	0.013	*	0.548	0.015	G	0.62	0.01	H *	8.7224	0.0019	0.015	132	*	8.69	8.74		D	14026+6706	I 1	2 C A	AB	136	0.476	0.008	1.98	0.04	S
68600	9.444	0.015	8.806	0.014		0.593	0.018	T	0.66	0.02	L	8.8663	0.0016	0.019	128		8.83	8.90					1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	$\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr		$\alpha*$	$\alpha*$	δ	$\alpha*$	δ	π	$\alpha*$	δ	π	$\mu_{\alpha*}$	%	
1 2	3	4	5 6 7		8	9 10		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
68601	14 02 33.27	−53 59 35.6	8.12	H	210.638 645 50	−53.993 214 62		5.07	−13.86	13.79	0.59	0.60	0.91	0.66	0.67	− 5	−24	+ 9	+ 7	+ 4	−15	+ 0	+17	+14	+ 9	1	−0.91
68602	14 02 33.55	−35 47 48.0	8.57	H	210.639 807 46	−35.796 666 74		19.35	−92.07	−78.84	0.96	0.72	1.10	1.24	0.96	−10	− 6	+ 3	+11	− 3	− 3	− 4	− 5	+11	− 9	0	−0.20
68603	14 02 33.88	+19 08 13.4	8.41	H	210.641 150 78	+19.137 060 21		4.40	−121.24	8.15	0.87	0.83	1.30	1.07	0.98	− 1	−16	−49	− 4	+ 1	− 6	− 6	−14	+15	−34	0	1.01
68604	14 02 34.22	−14 21 25.8	8.97	H	210.642 602 56	−14.357 167 71		2.02	19.69	−2.33	1.29	1.16	1.55	1.97	1.41	−36	+ 3	−44	−17	+25	−13	+24	−77	+42	−36	0	2.05
68605	14 02 34.57	+00 02 47.0	8.62	H	210.644 061 38	+00.046 386 51		2.15	− 7.03	9.54	1.06	0.65	1.19	1.15	0.75	−12	−32	−14	−17	−17	+ 2	−19	−18	+11	−28	0	−0.06
68606	14 02 35.02	−15 53 28.6	9.10	H	210.645 910 39	−15.891 290 93		3.43	−16.82	−5.94	1.24	0.92	1.47	1.46	1.20	−11	−36	−30	+ 5	+14	+ 3	+ 4	−39	+23	−29	0	−0.11
68607	14 02 36.51	+58 00 37.6	9.08	H	210.652 132 40	+58.010 435 15		5.20	−65.52	−3.27	0.68	0.78	0.87	0.74	0.83	+ 9	− 1	−17	− 9	− 7	+ 4	− 6	− 3	−15	− 3	0	−0.30
68608	14 02 38.60	−26 50 52.5	7.47	H	210.660 848 95	−26.847 912 49		4.03	4.93	−12.16	0.83	0.57	0.91	0.99	0.79	−22	−32	− 6	+27	−19	+ 5	−22	+17	+ 8	−37	0	0.31
68609	14 02 40.18	−21 39 42.1	8.42	H	210.667 415 63	−21.661 682 67		3.66	−21.64	−13.21	1.28	0.87	1.40	1.58	1.28	−18	− 6	− 7	+49	+28	+26	+16	−40	+31	−27	6	0.18
68610 H	14 02 42.42	−41 49 56.4	9.75	H	210.676 758 04	−41.832 346 03	A	4.08	−25.98	−11.06	2.40	1.81	2.63	2.40	1.95	− 5	−35	−10	+ 5	+ 4	− 5	− 4	−24	+24	+ 0	1	−0.77
68611	14 02 44.26	+14 29 51.5	10.19	H	210.684 396 22	+14.497 642 33		7.01	31.91	−26.13	1.37	1.15	1.74	1.49	1.24	−35	+ 4	−24	+ 7	− 4	− 1	− 2	+31	−16	−46	3	−0.76
68612	14 02 45.58	+37 01 42.5	10.15	H	210.689 906 30	+37.028 464 91		1.30	− 1.88	− 3.74	0.96	1.04	1.64	1.17	1.24	+35	− 7	−17	−19	−14	+ 0	−13	−15	−15	+ 7	2	1.03
*68613	14 02 46.81	−29 23 57.7	9.24	H	210.695 042 82	−29.399 369 64		2.58	−16.40	−12.17	0.92	0.82	1.18	1.02	1.14	−33	−28	−11	−14	+13	+ 6	+ 7	−34	+ 9	−45	0	−0.39
*68614	14 02 46.89	+36 17 01.3	9.44	G	210.695 391 62	+36.283 687 87		2.84	− 6.67	−11.99	0.92	1.12	1.64	1.10	1.25	− 1	+29	−34	−40	− 4	−21	−13	−16	− 6	+ 9	0	1.93
*68615	14 02 46.97	+61 40 44.6	7.49	H	210.695 691 80	+61.679 054 39		9.12	6.83	8.22	0.50	0.54	0.62	0.50	0.53	+14	−22	−33	− 4	− 6	+ 1	− 1	+15	− 9	− 8	0	−1.00
*68616 H	14 02 46.75	−81 51 00.9	8.53	H	210.694 804 19	−81.850 256 10	A	10.83	−42.61	− 5.63	2.75	2.74	2.38	2.31	2.54	+ 9	−10	+20	− 7	+28	+ 2	+25	+ 0	+ 5	+ 6	5	2.50
68617	14 02 47.14	−47 07 13.1	10.36	H	210.696 406 17	−47.120 296 81		1.63	−24.58	−22.85	1.43	1.21	1.82	1.57	1.73	+ 0	−36	−16	−13	+ 2	+ 6	− 3	−23	+14	−10	0	0.27
68618	14 02 47.42	−50 08 19.1	9.09	H	210.697 588 41	−50.138 644 63		5.15	−25.72	− 2.37	0.92	0.76	1.36	1.12	0.71	−22	−34	+18	+36	−31	−30	−21	+34	− 2	+12	0	0.39
68619	14 02 47.73	+03 32 44.7	7.54	H	210.698 874 50	+03.545 759 30		16.44	−180.15	−108.40	0.91	0.51	1.02	0.96	0.56	−19	−21	+11	+14	+ 9	+28	+ 2	−16	−12	−36	0	2.70
68620	14 02 48.91	−56 00 14.8	9.09	H	210.703 790 76	−56.004 120 39		0.31	− 6.60	− 4.25	0.86	0.93	1.25	1.22	1.08	− 9	−12	− 7	+14	− 4	− 6	−10	+42	+ 1	+11	0	0.69
68621	14 02 49.94	+54 39 58.0	8.01	H	210.708 063 82	+54.666 103 08		7.91	−12.70	− 1.82	0.59	0.58	0.70	0.70	0.67	+14	+ 2	−14	−23	− 3	− 7	− 3	− 1	− 5	+ 8	0	−1.03
68622	14 02 50.32	+17 59 16.2	8.05	H	210.709 670 64	+17.987 845 98		−0.64	− 4.06	− 1.47	0.75	0.67	1.05	0.92	0.75	−16	+ 4	−23	+27	+ 1	− 8	− 2	+14	− 2	−17	0	−0.10
68623	14 02 50.68	+62 16 12.1	8.11	G	210.711 162 72	+62.270 018 86		8.94	− 9.94	−30.50	0.68	0.63	0.73	0.80	0.65	+ 7	−13	−16	−21	+ 4	+ 7	+ 7	+12	−14	− 6	0	3.67
68624 H	14 02 50.88	+14 16 47.0	8.98	H	210.711 984 47	+14.279 719 53	A	9.78	−103.11	−19.92	2.53	1.83	1.99	1.77	1.37	−68	− 9	− 5	+ 7	+14	+ 2	+10	− 7	−20	−45	1	0.40
68625	14 02 50.98	−63 34 04.3	8.37	G	210.712 405 19	−63.567 852 03		8.37	9.27	−12.56	0.51	0.69	1.02	0.58	0.82	+41	−26	−22	+15	+19	− 8	+19	+17	− 6	+43	0	0.54
68626	14 02 51.77	−02 22 31.8	8.35	H	210.715 716 50	−02.375 494 93		2.76	−15.53	13.91	1.02	0.66	1.18	1.05	0.73	−23	−23	− 3	− 6	− 9	− 8	−16	−24	+24	−32	0	0.08
68627	14 02 51.98	+30 19 33.5	9.13	G	210.716 600 94	+30.325 981 50		5.86	−32.83	−89.61	0.86	0.83	1.29	1.28	0.86	−26	+ 8	−30	+14	− 5	−13	− 9	+20	− 8	−27	0	0.26
68628 H	14 02 52.09	+24 33 42.6	8.11	H	210.717 023 54	+24.561 832 37	A	10.92	−15.32	−126.27	1.34	1.01	1.47	1.24	0.90	−32	− 8	−27	−11	− 8	+21	− 3	−12	+ 6	−48	1	0.91
68629	14 02 52.10	−13 37 32.2	10.69	H	210.717 083 79	−13.625 612 20		20.09	−177.18	136.16	2.14	1.66	2.76	2.95	2.20	−20	−14	−45	+ 9	+21	−16	+ 0	−69	+51	−43	0	0.42
68630	14 02 52.47	−51 13 04.8	8.51	H	210.718 634 99	−51.217 994 90		2.47	−33.17	−16.73	0.79	0.74	1.22	0.81	0.70	− 8	−38	+12	+22	−14	−28	−14	+36	+ 2	+16	0	1.19
68631	14 02 53.52	−35 10 58.9	7.93	G	210.722 994 63	−35.183 024 84		11.15	−169.45	−69.93	0.88	0.63	1.05	1.13	0.84	− 6	− 8	−12	+39	+ 4	+14	+ 6	− 5	+38	+ 9	0	0.08
68632	14 02 55.51	−27 23 49.7	9.85	H	210.731 312 00	−27.397 143 45		1.34	−26.42	−11.10	1.24	0.84	1.39	1.54	1.07	−15	−25	−10	+16	−13	+ 3	−15	− 1	+ 8	−22	0	0.26
68633	14 02 56.67	+39 24 46.0	9.47	G	210.736 129 13	+39.412 778 11		2.40	−15.35	9.58	0.72	0.90	1.27	0.88	0.95	+13	− 4	−30	+17	− 5	− 3	−11	−20	+21	− 4	0	0.32
68634	14 02 56.90	+14 58 31.2	7.12	H	210.737 082 44	+14.975 335 37		38.28	−58.17	3.23	0.65	0.53	0.88	0.69	0.56	−23	+ 8	−13	+32	+ 5	+13	+ 4	+23	−18	−30	0	0.51
68635	14 02 57.71	+22 02 33.1	8.79	G	210.740 439 53	+22.042 521 13		9.16	−42.29	43.75	0.81	0.69	1.08	0.77	0.70	− 5	−19	− 7	−22	−31	+ 6	−27	− 9	− 1	−38	0	0.32
68636	14 02 58.67	−06 30 37.7	8.43	G	210.744 472 91	−06.510 466 70		5.73	−33.91	4.07	1.09	0.70	1.22	1.33	0.90	−24	−14	−28	+39	+17	− 6	− 1	−53	+37	−43	0	1.53
68637	14 02 59.78	+50 58 18.6	6.16	H	210.749 064 28	+50.971 825 41		10.40	−18.17	− 6.65	0.44	0.45	0.56	0.54	0.50	+10	− 2	−23	+10	+ 3	+ 3	+ 4	+ 2	− 2	+ 9	1	0.99
68638	14 03 00.22	−09 30 33.6	8.70	H	210.750 914 06	−09.509 342 32		6.40	−31.18	−22.65	1.09	0.62	1.19	1.14	0.67	−14	−29	−15	− 6	− 3	+ 3	− 5	−46	+26	− 6	0	−1.20
68639	14 03 01.61	−04 56 42.0	8.33	1 H	210.756 703 23	−04.945 002 61		2.57	− 8.96	−11.53	0.94	0.80	1.26	1.13	0.96	−39	−10	−29	−10	+ 6	−22	− 5	−42	+43	−56	0	1.67
68640	14 03 01.67	−56 18 55.4	8.90	H	210.756 971 58	−56.315 376 81		2.49	−15.59	−18.70	0.80	0.85	1.09	1.03	1.05	−16	−18	− 6	+19	− 3	− 2	+ 8	+37	+ 7	+ 1	0	−0.16
68641 H	14 03 01.71	−31 41 03.1	6.18	G	210.757 109 80	−31.684 195 97	A	26.13	24.53	66.02	1.00	1.00	1.22	1.25	1.37	−33	−22	−15	+13	− 2	−13	−15	−21	+45	−43	1	0.02
68642	14 03 04.11	+11 53 52.0	8.59	H	210.767 120 06	+11.897 779 46		12.55	96.56	−136.84	0.77	0.59	1.08	0.84	0.63	−33	−13	− 8	+21	+12	−13	+10	+10	− 9	−45	0	−1.53
68643	14 03 04.18	−17 22 01.2	6.32	H	210.767 424 50	−17.366 989 52		6.74	−185.83	− 9.47	0.86	0.64	0.92	1.03	0.91	−19	−10	−30	+55	+11	+ 5	+ 1	−23	+37	−34	0	−0.13
68644	14 03 04.87	−46 48 51.5	8.12	H	210.770 306 74	−46.814 314 87		2.41	− 7.80	− 4.48	0.93	0.60	1.08	0.83	0.74	− 4	−57	− 4	+15	− 6	− 7	−20	− 6	+24	−17	0	0.87
68645	14 03 06.06	+40 06 24.7	8.33	H	210.775 231 81	+40.106 851 85		11.00	−73.54	44.07	0.57	0.72	0.92	0.70	0.70	+25	− 4	−25	−12	−24	+12	−23	−32	+12	+ 5	0	0.78
68646	14 03 06.52	−34 32 26.6	7.66	G	210.777 164 42	−34.540 734 10		13.01	33.75	−26.10	0.81	0.56	1.03	1.06	0.77	−10	+ 1	− 2	+30	− 2	+24	+ 4	− 6	+45	+17	0	1.25
68647	14 03 06.98	−82 55 14.0	7.15	H	210.779 102 18	−82.920 554 12		6.73	−53.96	13.73	0.57	0.54	0.66	0.63	0.58	+19	−20	+ 8	−20	− 1	− 7	− 5	+ 5	+ 1	+33	0	−1.33
68648	14 03 07.21	−58 56 54.3	8.97	H	210.780 034 46	−58.948 426 78		2.70	4.38	− 5.44	0.98	0.85	1.38	1.07	0.89	+29	−41	−31	+ 4	+15	− 7	+ 4	+10	+11	+39	3	1.09
68649	14 03 07.34	−71 08 31.5	8.73	H	210.780 595 52	−71.142 076 84		1.37	− 6.06	− 4.31	0.67	0.72	0.99	0.91	0.81	+32	−26	− 4	+25	+13	−23	+13	+ 6	+ 1	+42	0	−3.15
68650	14 03 08.61	−32 14 01.3	11.07	H	210.785 895 56	−32.233 706 07		2.19	−16.09	− 6.94	2.14	1.95	2.99	3.03	3.26	−35	−14	−18	− 1	+15	−10	+ 1	−44	+28	−53	0	0.12
68651	14 03 09.14	+13 38 16.9	8.68	H	210.788 067 25	+13.638 029 15		0.42	−16.82	13.07	0.95	0.66	1.34	1.04	0.69	−16	−30	−24	+24	+25	−31	+17	− 8	−10	−34	0	−1.09
68652	14 03 09.88	+20 18 04.4	8.84	G	210.791 181 80	+20.301 232 55		2.46	−16.79	12.82	1.04	0.94	1.33	1.39	1.13	− 7	+ 2	−23	+15	+17	−25	+ 9	−38	+ 8	−13	0	−1.08
68653	14 03 11.44	−39 42 09.9	8.00	H	210.797 665 67	−39.702 752 27		2.45	−14.20	− 2.58	0.93	0.72	1.05	1.05	0.86	− 6	−23	+16	− 7	−11	+ 2	− 9	+ 2	− 8	− 5	0	1.96
68654	14 03 11.99	+32 48 49.6	7.22	H	210.799 973 34	+32.813 776 13		3.02	− 3.95	− 9.57	0.59	0.57	0.89	0.77	0.62	− 6	− 6	−19	+16	+ 4	−12	+ 2	+12	−19	− 8	1	1.21
68655	14 03 12.37	−48 24 28.1	10.33	H	210.801 521 47	−48.407 792 79		5.17	− 6.14	2.11	1.58	1.17	2.05	1.98	1.21	− 5	−17	+ 6	+ 5	−18	− 3	−16	+ 6	+10	+17	0	−0.33
68656	14 03 13.14	+26 02 26.5	9.44	H	210.804 761 94	+26.040 681 78		2.18	−14.59	−28.39	1.09	0.83	1.32	1.23	0.85	−24	− 1	−11	−17	+ 1	− 7	+ 3	− 2	− 6	−35	0	0.46
68657	14 03 13.66	−18 41 49.0	9.55	H	210.806 935 65	−18.696 956 51		−0.40	5.65	− 7.85	1.32	1.04	1.60	1.99	1.26	−18	− 1	−40	+21	+20	−31	+14	−38	+35	−12	0	0.84
68658	14 03 15.10	+43 13 45.5	9.87	H	210.812 927 73	+43.229 298 13		5.12	20.14	− 5.59	0.79	0.92	1.20	1.01	1.01	+18	+ 7	−16	+ 4	−23	− 2	−25	−15	− 3	+ 0	0	−0.14
68659	14 03 15.22	−22 40 15.7	9.29	H	210.813 414 55	−22.671 020 81		4.79	−64.20	2.77	1.42	1.13	1.83	2.00	1.87	−24	−35	−19	+19	+ 1	−33	−26	−29	+50	−52	0	1.54
68660	14 03 15.72	+24 35 51.0	7.96	2 G	210.815 495 10	+24.597 501 53		0.98	12.81	−19.19	0.78	0.59	0.92	0.78	0.58	−32	+24	−27	− 3	−11	+10	−12	+ 3	−17	−45	0	1.13
68661	14 03 16.37	−07 08 23.0	8.00	G	210.818 198 42	−07.139 730 24		12.15	−170.41	−20.95	1.08	0.64	1.12	1.32	0.87	−22	−15	−13	+45	+16	− 5	− 8	−50	+32	−47	0	−0.34
68662	14 03 20.34	+70 17 16.8	7.74	H	210.834 739 54	+70.288 005 00		1.69	−13.82	40.01	0.57	0.56	0.63	0.63	0.61	− 5	−12	− 9	− 1	−10	− 6	− 9	+11	+ 0	−14	0	−0.27
68663	14 03 20.44	+09 33 12.9	8.94	H	210.835 160 96	+09.553 575 53		6.28	− 6.86	7.52	0.86	0.56	1.11	0.89	0.60	−31	−22	+11	+17	+18	− 2	+19	−13	−21	−38	0	0.30
68664	14 03 20.74	+48 33 34.3	9.01	H	210.836 431 23	+48.559 534 09		15.48	−77.89	−67.32	0.67	0.78	0.95	0.75	0.87	+17	−16	−23	−19	−10	+10	−10	−18	+14	+ 7	0	1.68
68665	14 03 22.00	+22 29 44.9	6.88	H	210.841 654 24	+22.495 801 95		5.17	−16.60	−18.55	0.62	0.50	0.80	0.62	0.51	− 4	− 6	−10	−13	−32	+ 8	+28	+ 2	−18	−28	0	1.28
68666	14 03 22.22	−24 47 11.6	8.18	H	210.842 583 20	−24.786 549 75		2.57	10.02	− 3.79	0.88	0.65	1.01	1.01	0.72	−15	−11	−23	− 1	+ 1	− 8	+ 0	−20	+ 5	−11	0	0.42
68667	14 03 23.48	−57 20 56.8	8.11	H	210.847 834 23	−57.349 119 51		2.72	− 3.16	− 4.23	0.69	0.75	1.03	0.86	0.90	+ 0	−13	−21	+18	+ 2	−14	− 2	+32	+ 7	+ 1	0	−1.46
68668	14 03 24.75	−00 37 40.9	8.01	G	210.853 109 81	−00.628 019 04		8.71	35.92	−19.88	0.86	0.57	1.02	0.99	0.65	−21	−11	−13	−19	−10	+ 7	−11	−21	+13	−30	0	−0.21
*68669	14 03 26.60	+15 41 27.2	10.54	H	210.860 850 28	+15.690 900 91		0.05	3.59	−15.64	1.33	0.98	1.81	1.48	1.06	−21	+ 5	−18	+16	+ 9	− 1	+ 6	+ 4	−21	−28	0	0.96
*68670	14 03 26.58	−56 12 48.2	5.93	G	210.860 729 26	−56.213 381 28		6.15	−66.41	−21.61	0.44	0.51	0.63	0.52	0.60	−10	−18	− 7	+15	− 8	− 4	−12	+44	+ 5	− 3	0	−0.34
68671	14 03 27.16	−10 58 02.3	7.64	H	210.863 174 49	−10.967 298 83		3.81	8.23	− 3.77	0.95	0.52	1.01	0.98	0.58	−13	−36	−13	+24	−12	+ 5	−15	−37	+30	− 7	0	0.88
68672	14 03 27.35	+27 30 35.8	7.18	H	210.863 940 01	+27.509 954 51		4.11	−56.52	− 7.67	0.50	0.56	0.85	0.71	0.59	− 20	+ 3	−30	−11	− 1	− 7	− 4	+24	−20	−16	0	2.30
68673	14 03 27.49	−41 25 23.9	6.08	1 H	210.864 559 37	−41.423 304 53		5.91	−33.79	−16.51	0.58	0.49	0.75	0.59	0.61	−14	−37	− 8	+ 1	+ 2	+ 8	+ 1	−11	+ 1	−25	0	−1.95
68674	14 03 29.08	−49 24 18.9	10.60	H	210.871 169 23	−49.405 242 76		3.23	−11.88	− 0.19	1.25	1.21	2.16	1.62	1.18	−20	−12	+12	+ 5	−24	−39	−25	+33	−10	+11	3	0.07
68675	14 03 30.29	−43 10 12.6	8.23	H	210.876 188 63	−43.170 179 49		3.77	−28.41	− 0.10	0.91	0.65	1.11	0.87	0.75	−21	−48	+11	+ 4	− 2	+ 4	−11	−10	+21	−12	0	1.03
68676	14 03 30.77	+59 04 10.3	8.79	H	210.878 190 01	+59.069 520 52		5.78	− 4.04	−44.91	0.69	0.74	0.84	0.73	0.76	+15	−13	−17	−17	−11	− 3	− 8	+ 4	−10	+ 0	0	−0.51
68677 H	14 03 30.89	−52 03 33.8	7.38	H	210.878 718 54	−52.059 385 29	*	1.04	− 9.37	− 4.27	0.92	1.72	0.93	0.74	0.67	−41	−13	+22	+21	−11	+ 4	−20	+38	+ 9	+27	2	0.16
68678	14 03 31.09	−68 30 13.4	7.59	H	210.879 561 82	−68.503 717 48		0.61	− 5.02	− 4.09	0.51	0.55	0.80	0.56	0.68	+10	−12	+ 4	+11	+12	−21	+12	+ 9	+11	+17	0	0.02
68679	14 03 31.32	−10 43 52.5	7.49	1 H	210.880 486 49	−10.731 244 77		2.03	− 0.86	−12.42	0.93	0.54	0.96	0.97	0.57	−20	−27	− 6	+31	− 4	+ 7	+ 1	−40	+20	− 5	0	−0.33
68680	14 03 31.45	+04 13 19.7	9.80	H	210.881 039 40	+04.222 148 11		10.12	−68.75	40.56	1.25	0.71	1.47	1.26	0.77	−34	−21	+ 7	−19	+26	+14	+26	−28	−12	−50	0	1.11
68681	14 03 31.52	−30 35 52.5	8.39	H	210.881 320 60	−30.597 903 78		2.69	−22.16	−24.78	0.87	0.77	1.21	1.05	1.09	−33	−18	−26	+ 1	+15	+ 7	+ 7	−48	+30	−42	0	0.93
68682	14 03 32.30	+10 47 15.1	6.27	H	210.884 586 83	+10.787 517 97	+	60.24	85.26	−304.04	0.56	0.41	0.78	0.64	0.47	−26	− 9	+ 5	+22	+13	− 3	+14	−16	−15	−20	0	1.21
68683	14 03 34.51	−36 27 52.7	8.77	H	210.893 809 68	−36.464 643 34		7.83	−36.97	−38.91	1.04	0.70	1.18	1.33	1.00	− 3	−24	− 9	−19	− 8	− 3	−14	−19	+26	− 4	0	0.34
*68684	14 03 35.46	−33 35 25.1	11.53	H	210.897 732 83	−33.590 319 04		0.14	−37.04	−62.55	2.53	1.98	3.13	3.30	2.58	−21	−16	− 1	− 5	− 3	− 6	− 3	−26	+31	− 3	0	−0.85
*68685	14 03 35.45	−77 45 26.1	7.76	H	210.897 701 55	−77.757 259 44		3.99	1.17	− 2.68	0.59	0.57	0.71	0.71	0.67	+14	− 4	+18	+29	+22	+ 3	+22	+22	+15	+29	0	−2.01
68686	14 03 36.33	+08 07 49.8	8.31	H	210.901 385 31	+08.130 503 42		9.92	−65.84	− 5.63	0.86	0.44	0.97	0.95	0.46	−11	−23	+ 8	−22	+12	+ 9	+11	−22	− 1	−18	0	−1.00
68687	14 03 36.79	+07 32 46.4	6.25	1 G	210.903 286 77	+07.546 212 76		7.54	−38.49	−17.43	0.73	0.40	0.85	0.81	0.41	−20	−25	+15	−13	+ 6	− 2	+ 7	− 7	− 3	−22	0	−1.02
68688	14 03 37.40	−27 00 35.0	9.28	G	210.905 844 28	−27.009 717 51		17.70	−335.48	−107.91	1.19	0.81	1.31	1.48	1.14	−25	−25	− 9	+33	−17	+ 3	−24	+ 7	+18	−39	0	1.18
68689	14 03 37.44	−10 36 14.3	11.43	G	210.905 983 56	−10.603 966 55		23.05	−237.83	−60.88	2.93	1.61	3.08	2.88	1.72	−23	−30	− 4	+32	− 3	+ 6	− 1	−39	+22	−11	2	0.71
68690	14 03 37.53	+61 36 20.6	9.05	H	210.906 380 45	+61.605 725 48		5.69	−35.21	−59.78	0.63	0.64	0.73	0.70	0.69	+18	− 8	−12	− 7	− 3	+ 3	+ 0	+ 5	−16	+ 0	0	−0.05
68691	14 03 37.66	+32 27 50.3	10.81	H	210.906 906 00	+32.463 963 28		18.41	−240.88	−93.44	1.25	1.27	2.00	1.67	1.33	− 8	+ 6	−29	+ 6	+ 3	−11	− 2	+ 8	−19	−12	3	2.30
68692	14 03 38.30	−66 44 07.2	7.62	2 H	210.909 580 87	−66.735 334 07		5.95	−39.70	−26.75	0.53	0.58	0.88	0.61	0.65	+35	−27	− 1	− 1	− 5	−24	− 2	− 1	−13	+46	0	−0.18
68693	14 03 40.17	−19 56 24.9	8.90	H	210.917 358 90	−19.940 262 35		7.32	−51.00	−21.73	1.14	0.92	1.33	1.53	1.15	− 2	−17	−44	−17	− 5	+ 4	− 3	−63	+47	+13	3	0.30
68694 H	14 03 40.18	−46 18 06.6	8.89	H	210.917 404 39	−46.301 827 94	A	5.82	−85.29	−15.80	3.26	2.26	3.05	3.13	2.38	− 8	− 2	+28	−42	−21	−31	− 8	− 5	−19	− 7	2	−0.77
68695	14 03 41.59	−84 47 29.5	8.57	H	210.923 281 82	−84.791 537 81		4.10	−35.96	−25.10	0.67	0.74	0.83	0.69	0.85	+10	+ 1	+21	−14	− 9	− 1	−10	+ 5	− 5	+11	0	0.08
68696	14 03 42.64	−13 17 19.2	9.38	H	210.927 649 93	−13.288 680 31		11.25	4.99	−35.37	1.36	0.90	1.66	1.78	1.20	−20	−21	−31	+28	− 5	+10	−14	−48	+44	−26	0	1.26
68697 H	14 03 43.26	+08 29 13.3	7.56	H	210.930 270 69	+08.487 034 61	*	13.40	31.91	−14.41	0.83	0.43	0.90	0.86	0.45	−17

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
68601	9.834	0.019	8.266	0.010		1.315	0.017	T	1.28	0.02	L	8.2807	0.0011	0.014	143		8.26	8.31					1							
68602	9.435	0.019	8.625	0.015		0.716	0.018	T	0.77	0.01	L	8.7087	0.0018	0.021	87		8.67	8.74					1							
68603	9.662	0.020	8.519	0.013		0.983	0.019	T	0.96	0.01	L	8.5720	0.0019	0.018	90		8.55	8.61					1							S
68604	10.245	0.036	9.060	0.023		1.015	0.033	T	0.99	0.03	L	9.1346	0.0020	0.017	65		9.11	9.16					1	S						
68605	8.515	0.012	8.599	0.016		−0.072	0.018	T	−0.05	0.02	L	8.5976	0.0016	0.013	94		8.57	8.64		C			1							S
68606	11.097	0.070	9.274	0.024		1.517	0.059	T	1.55	0.09	L	9.2195	0.0033	0.019	63		9.19	9.26		C			1							
68607	10.350	0.033	9.209	0.020		0.981	0.030	T	0.96	0.02	L	9.2484	0.0018	0.018	110		9.22	9.28		C			1							
68608	8.660	0.013	7.567	0.009		0.944	0.012	T	0.93	0.01	L	7.6324	0.0010	0.011	76		7.62	7.65		C			1							S
68609	10.255	0.038	8.546	0.017		1.427	0.033	T	1.41	0.05	L	8.5592	0.0017	0.015	60		8.53	8.58		C			1							
68610	10.366	0.033	10.016	0.036	A	0.460	0.071	G	0.53	0.07	R *	9.8572	0.0029	0.018	77	*	9.83	9.90		D	14027−4150	I 1	2 C	A	AB	116	4.688	0.018	1.86	0.09	G
68611	10.776	0.041	10.246	0.039		0.497	0.051	T	0.57	0.05	L	10.2925	0.0027	0.029	111		10.25	10.35					1							
68612	11.714	0.072	10.251	0.032		1.233	0.062	T	1.19	0.06	L	10.3102	0.0025	0.030	170		10.26	10.37		C			1							
68613	9.624	0.017	9.277	0.019		0.327	0.020	G	0.38	0.03	H	9.3204	0.0017	0.016	113		9.28	9.35					1							
68614	11.280	0.056	9.597	0.021		1.370	0.015	G	1.37	0.09	H	9.5968	0.0019	0.027	149		9.54	9.64		C			1							
68615	7.858	0.007	7.526	0.007		0.315	0.009	T	0.36	0.01	L	7.5680	0.0009	0.010	132		7.55	7.59		C			1							S
68616	9.369	0.014	8.732	0.013	*	0.586	0.014	T	0.66	0.01	L *	8.6520	0.0022	0.019	124	*	8.62	8.68		D	14028−8151	H 1	2 C	A	AB	136	0.754	0.003	0.01	0.01	
68617	10.990	0.056	10.238	0.044		0.687	0.056	T	0.74	0.05	L	10.5059	0.0037	0.030	77		10.47	10.57					1							G
68618	9.292	0.014	9.106	0.017		0.171	0.021	T	0.19	0.02	L	9.1505	0.0018	0.017	133		9.13	9.18					1							
68619	8.254	0.009	7.615	0.007		0.594	0.010	T	0.66	0.01	L	7.6703	0.0012	0.009	115		7.65	7.70		C			1	G						S
68620	9.451	0.016	9.144	0.018		0.292	0.023	T	0.33	0.03	L	9.1642	0.0027	0.026	124		9.13	9.22					1							
68621	8.836	0.012	8.080	0.010		0.690	0.012	T	0.75	0.01	L	8.1515	0.0013	0.014	121		8.13	8.18					1							S
68622	9.974	0.028	8.214	0.012		1.500	0.015	G	1.53	0.02	H	8.1726	0.0013	0.014	103		8.15	8.20					1							S
68623	8.535	0.009	8.168	0.009		0.385	0.009	G	0.45	0.01	H	8.1978	0.0017	0.017	135		8.17	8.23		C	14028+6216	I 1	1	G						S
68624	9.768	0.019	9.067	0.016	*	0.646	0.020	T	0.71	0.02	L *	9.1094	0.0020	0.016	118	*	9.08	9.14		D	14028+1417	M 1	2 C	A	AB	118	0.447	0.006	0.83	0.04	S
68625	9.171	0.009	8.457	0.008		0.643	0.009	T	0.71	0.01	L	8.5146	0.0014	0.020	276		8.47	8.55					1							
68626	9.613	0.020	8.466	0.013		0.986	0.019	T	0.97	0.01	L	8.5131	0.0021	0.017	98		8.49	8.54					1							S
68627	10.102	0.028	9.206	0.021		0.790	0.015	G	0.82	0.01	H	9.2663	0.0025	0.022	112		9.23	9.31					1							
68628	8.836	0.012	8.193	0.011	*	0.590	0.012	T	0.66	0.01	L *	8.2336	0.0018	0.012	112	*	8.21	8.26			14029+2434	I 1	2 C	B	AB	140	0.930	0.077	3.80	0.17	S
68629	11.784	0.137	10.782	0.100		0.876	0.126	T	0.89	0.09	L	10.8544	0.0051	0.033	73		10.77	10.90					1							G
68630	10.074	0.023	8.633	0.012		1.216	0.020	T	1.18	0.02	L	8.6729	0.0021	0.016	113		8.64	8.70					1							
68631	8.525	0.010	7.997	0.009		0.524	0.015	G	0.60	0.02	H	8.0461	0.0014	0.014	91		8.02	8.07		C	14029−3511	I 1	1							S
68632	11.327	0.070	9.918	0.034		1.189	0.063	T	1.15	0.06	L	9.9878	0.0026	0.021	89		9.96	10.02		C			1							
68633	10.612	0.028	9.511	0.017		0.950	0.015	G	0.94	0.01	H	9.6197	0.0026	0.025	177		9.58	9.67					1							
68634	8.050	0.007	7.209	0.006		0.740	0.007	T	0.79	0.01	L	7.2636	0.0010	0.009	113		7.25	7.28		C			1							S
68635	9.353	0.016	8.826	0.015		0.531	0.015	G	0.60	0.02	H	8.8938	0.0018	0.016	128		8.86	8.92					1							S
68636	8.912	0.012	8.439	0.012		0.446	0.015	T	0.52	0.02	L	8.5182	0.0020	0.014	101		8.50	8.54		C			1							S
68637	6.185	0.003	6.157	0.004		0.026	0.004	T	0.04	0.00	L	6.1722	0.0007	0.007	131		6.16	6.18					1							S
68638	9.203	0.013	8.748	0.013		0.429	0.017	T	0.50	0.02	L	8.7992	0.0023	0.013	107		8.78	8.82					1							S
68639	10.346	0.031	8.527	0.013		1.514	0.027	T	1.55	0.04	L	8.4527	0.0021	0.019	121		8.42	8.48		U			1							S
68640	10.222	0.031	9.016	0.019		1.032	0.028	T	1.00	0.02	L	9.0678	0.0022	0.022	125		9.03	9.10					1							
68641	6.709	0.006	6.203	0.006	*	0.480	0.006	G	0.55	0.01	H *	6.2870	0.0007	0.006	91	*	6.28	6.30		D	14030−3141	I 1	2 C	A	AB	219	2.316	0.004	1.37	0.02	S
68642	9.329	0.012	8.661	0.011		0.619	0.014	T	0.69	0.01	L	8.7241	0.0015	0.016	145		8.69	8.75		C	14031+1154	I 1	1							S
68643	8.124	0.010	6.477	0.006		1.380	0.015	G	1.38	0.02	A	6.4658	0.0011	0.008	64		6.45	6.48		C			1							S
68644	8.022	0.009	8.097	0.011		−0.064	0.013	T	−0.04	0.01	L	8.1070	0.0016	0.014	75		8.08	8.13		C			1							S
68645	8.962	0.011	8.388	0.010		0.563	0.015	G	0.64	0.01	H	8.4485	0.0012	0.015	154		8.42	8.48					1							S
68646	8.094	0.011	7.699	0.009		0.387	0.015	G	0.45	0.02	H	7.7632	0.0013	0.008	79		7.75	7.78		C			1							S
68647	8.811	0.016	7.286	0.009		1.282	0.014	T	1.24	0.01	L	7.3121	0.0014	0.011	125		7.29	7.34					1							S
68648	9.639	0.020	9.057	0.019		0.570	0.015	G	0.64	0.01	H	9.0969	0.0029	0.023	112		9.04	9.14					1							
68649	8.731	0.010	8.725	0.013		0.006	0.014	T	0.03	0.01	L	8.7380	0.0018	0.018	138		8.70	8.76		C			1							
68650											T	11.2151	0.0058	0.044	79		11.12	11.29					1							G
68651	10.831	0.036	8.856	0.013		1.638	0.030	T	1.66	0.03	L	8.7935	0.0031	0.024	122		8.76	8.83					1							
68652	10.095	0.029	8.966	0.019		1.020	0.015	G	0.99	0.01	H	8.9998	0.0026	0.017	85		8.97	9.04		C			1							S
68653	7.976	0.010	7.999	0.012		−0.016	0.014	T	0.01	0.01	L	8.0057	0.0020	0.012	70		7.99	8.02		C			1	G						S
68654	9.210	0.013	7.384	0.006		1.519	0.011	T	1.55	0.02	L	7.3389	0.0013	0.012	129		7.32	7.37					1							S
68655	10.801	0.047	10.477	0.057		0.308	0.069	T	0.35	0.09	L	10.4045	0.0040	0.030	94		10.34	10.46					1							G
68656	11.035	0.056	9.585	0.026		1.190	0.015	G	1.15	0.01	H	9.6053	0.0017	0.017	86		9.57	9.63		D			1							
68657	11.798	0.140	9.680	0.033		1.751	0.115	T	1.78	0.12	L	9.6442	0.0027	0.026	64		9.60	9.68		C			1							
68658	10.367	0.028	9.863	0.028		0.474	0.036	T	0.55	0.04	L	9.9740	0.0025	0.022	131		9.94	10.02		C			1							
68659	10.291	0.040	9.351	0.029		0.830	0.037	T	0.85	0.03	L	9.4474	0.0028	0.027	72		9.41	9.50		D			1							S
68660	9.673	0.019	8.094	0.010		1.330	0.015	G	1.29	0.02	H	8.1072	0.0025	0.016	111		8.08	8.13		U			1							S P
68661	8.503	0.010	8.061	0.010		0.417	0.013	T	0.48	0.01	L	8.0951	0.0014	0.011	93		8.08	8.11		C			1							S
68662	9.615	0.017	7.891	0.008		1.438	0.015	T	1.43	0.02	L	7.8787	0.0018	0.014	119		7.86	7.91					1							S
68663	9.401	0.015	8.967	0.015		0.410	0.020	T	0.48	0.02	L	9.0343	0.0019	0.017	174		9.00	9.08					1							S
68664	9.888	0.024	9.110	0.018		0.707	0.023	T	0.76	0.02	L	9.1533	0.0021	0.020	127		9.12	9.20		C			1							S
68665	7.254	0.005	6.920	0.006		0.322	0.017	G	0.37	0.02	H	6.9584	0.0007	0.010	118		6.94	6.97					1							S
68666	10.056	0.029	8.318	0.012		1.450	0.025	T	1.45	0.04	L	8.3127	0.0016	0.015	82		8.29	8.34		C			1							
68667	9.530	0.021	8.222	0.013		1.111	0.019	T	1.07	0.02	L	8.2752	0.0019	0.014	110		8.25	8.30		C			1							
68668	8.402	0.009	8.030	0.009		0.370	0.003	G	0.43	0.00	H	8.0857	0.0012	0.013	107		8.06	8.10		C			1							S
68669	11.213	0.065	10.573	0.056		0.574	0.072	G	0.65	0.07	R	10.6623	0.0029	0.026	102		10.61	10.70					1							G
68670	7.485	0.005	6.061	0.003		1.207	0.004	G	1.17	0.00	H	6.0878	0.0007	0.007	133		6.08	6.10		C			1							S
68671	7.985	0.009	7.680	0.008		0.290	0.011	T	0.33	0.01	L	7.7161	0.0011	0.010	100		7.70	7.73		C	14035−1058	I 1	1							S
68672	8.561	0.009	7.300	0.006		1.047	0.018	G	1.10	0.06	F	7.3453	0.0008	0.009	138		7.33	7.37		C			1							S
68673	5.963	0.004	6.074	0.005		−0.112	0.007	G	−0.03	0.03	C	6.0670	0.0019	0.014	87		6.04	6.08	1.84	P 1 A			1							S P
68674	11.031	0.046	10.684	0.056		0.329	0.068	T	0.38	0.09	L	10.6807	0.0037	0.042	155		10.61	10.75					1							G
68675	9.684	0.019	8.348	0.011		1.133	0.017	T	1.10	0.02	L	8.3985	0.0015	0.016	92		8.37	8.43		D			1							
68676	9.995	0.023	8.900	0.015		0.946	0.021	T	0.94	0.01	L	8.9522	0.0020	0.017	120		8.93	8.99		C			1							
68677	7.268	0.004	7.367	0.005	*	−0.085	0.005	T	−0.07	0.01	L *	7.3521	0.0007	0.009	151	*	7.34	7.37		D	14035−5204	H 1	2 C	A	AB	109	0.217	0.017	2.22	0.28	S
68678	7.546	0.006	7.572	0.007		−0.019	0.008	T	0.00	0.01	L	7.5942	0.0015	0.014	147		7.57	7.62					1							S
68679	9.626	0.018	7.673	0.008		1.620	0.016	T	1.64	0.02	L	7.6028	0.0020	0.020	105		7.57	7.63		U			1							S
68680	10.492	0.032	9.785	0.028		0.651	0.035	T	0.71	0.03	L	9.9336	0.0024	0.023	134		9.90	9.97		C			1							
68681	10.258	0.035	8.587	0.016		1.397	0.030	T	1.37	0.04	L	8.5278	0.0011	0.012	89		8.50	8.55		D			1							
68682	7.190	0.004	6.352	0.003		0.733	0.003	G	0.82	0.07	F	6.4115	0.0006	0.007	153		6.40	6.42		C			1	O						S
68683	9.674	0.026	8.834	0.020		0.739	0.025	T	0.79	0.02	L	8.9127	0.0014	0.015	83		8.89	8.94		C			1							
68684											T	11.6717	0.0046	0.055	78		11.58	11.75					1							G
68685	9.002	0.012	7.868	0.008		0.976	0.011	T	0.96	0.01	L	7.9199	0.0013	0.013	147		7.90	7.94		C			1							
68686	8.815	0.010	8.347	0.010		0.441	0.013	T	0.51	0.01	L	8.4078	0.0009	0.011	144		8.39	8.43		C			1							S
68687	7.421	0.004	6.347	0.003		0.927	0.004	G	0.92	0.00	H	6.4111	0.0009	0.009	149		6.40	6.42		M			1							S
68688	10.305	0.034	9.391	0.025		0.853	0.003	G	0.90	0.00	H	9.4344	0.0024	0.017	84		9.41	9.47		C			1							
68689						1.300	0.015	G	1.49	0.02	I	11.5491	0.0051	0.043	96		11.48	11.62					1							G
68690	10.052	0.023	9.132	0.017		0.815	0.021	T	0.84	0.01	L	9.1988	0.0018	0.016	127		9.17	9.23					1							
68691	12.013	0.132	11.069	0.094		0.833	0.120	T	0.85	0.09	L	10.9629	0.0051	0.045	117		10.88	11.04		R			1							G
68692	8.036	0.008	7.669	0.009		0.348	0.011	T	0.41	0.01	L	7.7053	0.0024	0.024	165		7.67	7.85	3.26	P 1 A			1							
68693	9.451	0.021	8.958	0.020		0.463	0.020	G	0.53	0.02	H	9.0082	0.0021	0.013	62		8.99	9.03		C			1							
68694	9.258	0.029	8.679	0.025	*	0.543	0.028	T	0.62	0.03	L *	9.0031	0.0030	0.021	69	*	8.98	9.04		D	14037−4618	I 1	2 C	A	AB	138	2.844	0.007	0.48	0.03	
68695	10.394	0.029	8.722	0.013		1.397	0.025	T	1.37	0.03	L	8.7128	0.0023	0.019	125		8.68	8.76					1							
68696	10.060	0.028	9.423	0.025		0.586	0.028	T	0.66	0.03	L	9.5071	0.0029	0.018	82		9.48	9.54					1							
68697	8.120	0.007	7.628	0.007	*	0.463	0.009	T	0.53	0.01	L *	7.6648	0.0009	0.009	145	*	7.65	7.68		C	14037+0829	I 1	2 C	S A	AB	190	0.098	0.006	0.63	0.58	S
68698	9.393	0.014	8.974	0.014		0.396	0.018	T	0.46	0.02	L	9.0278	0.0016	0.021	136		8.99	9.07		C			1							
68699	9.755	0.036	9.355	0.038	A						T *	9.3134	0.0043	0.036	68	*	9.27	9.42		D	14038−2409	I 1	2 C	A	AB	289	1.176	0.009	0.94	0.02	S
68700	10.536	0.034	9.605	0.024		0.823	0.031	T	0.85	0.02	L	9.6633	0.0024	0.028	127		9.61	9.72					1							

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg		Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%) δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	Soln F1 %	F2
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
68701	14 03 48.80	−43 46 01.6	8.47	H	210.953 352 48	−43.767 122 78		6.17	−62.31	−62.68	0.85	0.66	1.03	1.06	0.77	− 7	− 4	+ 7	−18	−10	−19	− 8	−19	+10	+ 6	0	0.32
68702 H	14 03 49.44	−60 22 22.7	0.61	1 G	210.956 018 98	−60.372 978 40	A	6.21	−33.96	−25.06	0.43	0.44	0.56	0.51	0.45	−11	−16	+14	− 7	+15	− 7	+21	−29	− 8	+57	6	1.36
68703	14 03 50.60	+72 56 44.2	8.28	H	210.960 834 67	+72.945 599 73		5.57	−45.19	30.39	0.60	0.68	0.73	0.67	0.72	+ 6	−12	−29	+10	− 2	− 2	− 5	− 1	+13	−19	0	1.61
68704	14 03 51.67	−59 27 47.2	9.26	H	210.965 272 12	−59.463 107 21		1.20	−4.26	−4.14	0.98	0.88	1.39	1.31	0.99	+20	− 6	+ 1	+29	+24	+ 9	+25	+15	+20	+52	1	0.70
68705	14 03 53.10	−22 25 17.8	6.30	G	210.971 238 33	−22.421 616 40		12.93	−12.13	5.87	1.31	1.13	1.55	1.84	1.59	−30	− 5	−27	+11	+16	− 2	+10	−49	+26	−39	0	
68706	14 03 55.11	+12 43 34.2	7.01	H	210.979 617 30	+12.726 172 12		3.94	−6.89	−25.74	0.73	0.49	0.91	0.84	0.50	−19	− 3	−22	+46	+21	−19	+ 9	+13	− 7	−35	0	1.41
68707	14 03 55.76	+04 54 03.5	6.24	H	210.982 343 23	+04.900 979 91		15.91	−9.97	−2.75	0.68	0.39	0.80	0.67	0.42	−31	−30	+ 3	+ 1	+20	+ 5	+18	−13	− 7	−51	0	1.27
68708	14 03 56.98	+11 16 57.1	6.70	H	210.987 418 78	+11.282 529 50		8.93	−83.88	−27.04	0.60	0.45	0.83	0.68	0.47	−29	+ 4	− 8	+14	+16	− 5	+12	+ 5	− 9	−39	0	−1.74
68709	14 03 57.75	−09 44 42.5	7.26	H	210.990 614 54	−09.745 152 09		4.73	−1.05	25.97	0.91	0.50	0.93	0.94	0.54	−22	−20	− 6	+29	− 3	+ 7	+ 2	−44	+20	−10	0	−0.71
68710	14 03 58.14	−22 37 02.7	9.62	H	210.992 244 50	−22.617 405 09		5.15	25.30	−17.76	1.72	1.17	2.09	2.16	1.72	−12	−29	−28	+26	+ 6	−19	−16	−46	+46	−35	0	0.30
68711	14 03 59.65	−28 54 16.8	9.66	G	210.998 533 55	−28.904 662 39		6.48	−62.39	−41.66	1.07	0.81	1.32	1.18	1.05	−23	−24	− 6	−16	+ 0	+14	− 2	−29	+ 4	−27	0	0.17
68712	14 04 00.45	−79 21 19.1	9.79	H	211.001 889 39	−79.355 298 79		6.05	−4.24	20.29	1.76	1.70	2.13	1.92	1.85	+ 0	−24	+11	−10	+12	−11	+10	+17	+ 1	+12	0	
68713	14 04 00.77	−12 45 09.4	8.31	H	211.003 213 34	−12.752 607 37		6.76	−18.84	−7.12	1.17	0.64	1.23	1.55	0.82	−20	−15	−25	+49	−16	+22	−17	−30	+31	−19	0	0.91
68714	14 04 01.52	+22 31 33.1	10.16	H	211.006 325 47	+22.525 858 74		12.17	116.06	−314.47	1.22	1.10	1.71	1.10	1.06	+ 4	− 6	−20	−22	−31	+18	−32	−22	− 1	−27	3	−1.00
68715	14 04 01.55	−38 27 34.6	7.91	H	211.006 443 22	−38.459 623 46		5.22	−39.77	−1.78	0.78	0.57	0.98	0.75	0.77	− 9	−38	− 5	−14	− 4	− 6	−15	−15	+25	−24	0	0.00
68716	14 04 01.78	−03 59 21.3	8.71	H	211.007 432 19	−03.989 237 60		17.52	47.54	−144.21	1.24	0.86	1.31	1.94	1.05	+ 5	+ 0	− 4	−58	−34	−30	−29	−51	+11	+ 4	0	−0.22
68717 H	14 04 02.01	−44 36 51.9	7.75	H	211.008 380 50	−44.614 428 70	A	9.10	−12.15	−16.96	3.80	4.35	4.71	3.68	5.03	− 3	−23	−19	−14	− 5	− 3	−13	− 9	+26	+ 3	2	2.18
68718	14 04 02.26	−00 21 45.2	8.48	2 H	211.009 423 23	−00.362 551 33		4.31	−1.25	−9.24	0.99	0.59	1.19	1.27	0.68	−11	−16	−11	−30	+16	+ 4	−17	−23	+13	− 8	0	−1.60
68719	14 04 02.40	+78 05 14.1	8.90	H	211.010 008 20	+78.087 245 24		1.99	−6.19	2.55	0.68	0.73	0.80	0.82	0.82	+ 4	− 7	−31	+ 1	− 8	+ 2	− 8	− 6	+ 4	− 9	1	−0.59
68720	14 04 02.92	−37 46 20.5	7.98	1 H	211.012 167 77	−37.772 367 02		2.09	5.54	−3.43	0.82	0.67	1.11	0.93	0.90	−18	−25	− 4	+24	+ 2	+12	− 6	− 5	+31	−19	0	1.98
68721	14 04 04.82	−07 20 38.9	8.80	H	211.020 097 32	−07.344 150 83		1.69	−6.47	−10.33	1.29	0.69	1.42	1.60	0.95	− 7	−28	−26	+34	+ 7	+ 4	−19	−57	+43	−32	0	0.23
68722	14 04 04.95	−37 17 00.7	8.32	G	211.020 612 28	−37.283 514 45		6.71	−23.35	−14.71	0.95	0.66	1.17	1.16	0.85	− 6	−30	+ 3	+41	+14	+ 8	+ 0	+ 0	+25	+ 1	0	−1.61
68723	14 04 05.20	+60 33 45.3	8.26	H	211.021 674 58	+60.562 569 87		2.17	−32.92	6.74	0.73	0.66	0.73	0.83	0.86	+ 1	−10	−12	−26	− 2	− 2	− 9	+27	−22	+14	0	0.42
68724	14 04 05.53	+46 33 15.6	9.17	H	211.023 023 56	+46.554 338 28		2.78	−15.68	−6.39	0.70	0.87	1.04	0.83	0.81	+21	−11	−32	− 7	−17	+ 8	−20	−33	+11	− 6	0	1.34
68725 H	14 04 05.87	−43 24 09.6	9.33	H	211.024 462 31	−43.402 654 10	A	5.11	15.81	−0.09	2.88	2.43	3.27	2.47	2.69	−16	−39	+16	+ 4	− 5	− 8	−14	− 9	+29	−21	1	1.06
68726	14 04 07.13	−37 15 50.3	7.11	H	211.029 701 41	−37.263 973 46		5.66	−16.91	−16.72	0.69	0.52	0.90	0.81	0.73	−16	−19	−10	+23	− 4	+13	− 9	− 7	+31	−16	0	1.23
68727 H	14 04 07.16	−21 18 49.4	8.57	G	211.029 828 25	−21.313 709 65	*	8.86	56.73	17.98	3.67	3.79	1.88	1.87	1.65	−11	− 3	−43	+39	+15	+ 9	+15	−54	+53	−10	2	0.74
68728	14 04 07.32	−47 59 15.5	10.63	H	211.030 509 73	−47.987 646 03		6.77	−39.46	−37.31	1.75	1.43	2.33	1.90	1.74	− 4	−30	−21	− 2	+ 0	+ 3	−10	−26	+36	− 8	0	−0.84
68729	14 04 07.59	−15 29 09.9	8.75	H	211.031 618 14	−15.486 083 47		1.38	−15.48	−31.40	1.22	1.09	1.59	1.41	1.37	−15	−27	−48	+ 3	+32	− 9	+10	−74	+49	−40	0	−1.03
68730	14 04 09.91	+59 00 25.8	8.18	H	211.041 291 18	+59.007 164 81		4.43	−39.06	17.24	0.61	0.65	0.75	0.64	0.67	+14	−16	−18	−16	−10	− 7	− 6	+ 8	−15	+ 0	3	0.24
68731	14 04 09.94	+04 10 41.8	9.02	H	211.041 396 89	+04.178 266 06		5.76	−34.35	2.61	1.08	0.63	1.32	1.08	0.68	−29	−29	+15	−11	+13	+19	+ 9	−30	− 7	−38	0	1.78
68732	14 04 10.07	+20 45 33.0	10.18	G	211.041 979 03	+20.759 170 58		25.77	−128.29	−17.59	1.50	1.14	1.83	2.15	1.50	+ 7	−19	−18	+35	+ 1	−29	− 3	+ 1	+ 3	+ 6	0	0.09
68733	14 04 10.80	−68 37 02.9	8.55	1 H	211.045 014 05	−68.617 469 27		1.93	−1.07	−4.35	0.64	0.80	1.08	0.71	0.97	+ 8	−17	+ 8	− 4	+ 3	−25	+ 2	+20	+ 9	+14	0	−2.21
68734	14 04 11.35	+37 22 09.8	8.63	H	211.047 282 40	+37.369 397 79		20.34	17.95	−42.97	0.66	0.76	1.14	0.77	0.90	+22	− 2	−17	− 3	− 4	+ 4	− 5	− 8	−14	+ 0	0	1.67
68735	14 04 12.11	−12 07 47.1	7.94	G	211.050 460 96	−12.129 762 90		7.56	−41.81	−11.28	1.15	0.58	1.11	1.26	0.66	−16	−32	− 9	+46	− 9	+10	− 9	−20	+19	−11	0	0.12
68736	14 04 12.31	−41 48 44.7	7.00	G	211.051 309 77	−41.812 416 92		18.15	−34.33	−69.37	0.67	0.53	0.87	0.72	0.63	−19	−36	+ 5	+ 7	+ 7	+14	+ 2	−27	+ 5	−22	0	−2.58
68737	14 04 12.70	+37 11 50.9	8.43	H	211.052 900 77	+37.197 476 27		3.67	6.18	−2.23	0.67	0.71	1.09	0.81	0.86	+25	+ 3	− 5	−13	− 9	− 7	−12	−23	− 6	+ 1	0	0.20
68738	14 04 12.94	−06 28 03.0	9.05	H	211.053 905 27	−06.467 506 12		6.77	−38.06	−11.13	1.16	0.82	1.38	1.44	1.05	−25	−13	−31	+31	+12	+ 1	+ 1	−44	+31	−40	2	0.84
68739	14 04 14.57	−05 22 53.0	6.39	G	211.060 705 49	−05.381 385 48		11.06	−16.35	−12.66	0.92	0.55	1.02	1.09	0.69	−16	−12	−33	+38	+12	+ 5	+ 6	−62	+45	−19	0	0.26
68740	14 04 14.59	−33 06 19.9	9.17	H	211.060 784 24	−33.105 523 08		3.00	−20.87	−7.43	1.22	1.01	1.62	1.54	1.53	−23	−31	−17	−10	+ 5	−13	−11	−35	+43	−31	0	1.07
68741	14 04 15.44	−57 24 35.2	9.38	H	211.064 347 59	−57.409 782 21		0.17	−5.35	−3.16	0.92	0.91	1.28	1.04	1.08	+ 6	−25	− 7	+10	+ 2	− 4	− 4	+40	+14	+10	0	0.50
68742	14 04 15.97	−34 31 16.8	9.16	H	211.066 540 19	−34.521 332 43		7.66	−53.85	−7.04	1.16	0.83	1.54	1.46	1.16	−16	+ 2	−14	+27	+ 2	+21	+16	−30	+51	+19	0	0.33
68743	14 04 17.19	−57 28 25.4	9.22	2 G	211.071 604 95	−57.473 732 59	A	7.14	−53.26	−20.72	1.55	1.60	2.07	1.67	1.75	+ 6	−25	+ 2	+ 6	+ 3	+ 2	− 6	+29	+13	+26	7	0.65
68744	14 04 17.44	+51 27 18.4	8.65	2 H	211.072 682 27	+51.455 117 97		0.76	−19.03	4.09	0.67	0.72	0.88	0.87	0.84	+10	+ 0	−23	− 7	− 3	− 3	− 4	− 9	+11	+ 6	0	0.89
68745	14 04 18.66	+40 21 00.8	10.76	H	211.077 758 14	+40.350 229 65		29.75	−262.56	111.40	1.03	1.27	1.71	1.25	1.25	+28	−12	−30	−23	−25	+15	−22	−30	+15	+ 8	0	−1.25
68746	14 04 18.91	+58 00 55.2	9.72	H	211.078 797 92	+58.015 324 58		4.50	5.71	6.40	0.74	0.82	0.91	0.81	0.90	+ 8	− 3	−16	−10	− 3	+ 2	− 2	+10	− 2	+ 3	1	−1.85
68747	14 04 19.39	+02 36 27.1	8.26	H	211.080 798 45	+02.607 517 57		5.03	−23.97	6.68	0.94	0.59	1.15	0.87	0.70	−19	−41	+ 2	−16	+ 3	+22	− 7	−29	+11	−34	0	0.85
68748	14 04 19.76	−09 31 45.6	8.41	H	211.082 348 69	−09.529 340 26		4.34	1.39	−15.74	1.27	0.65	1.37	1.34	0.75	− 7	−36	−20	+10	− 1	+ 4	− 8	−48	+38	− 2	0	1.23
68749	14 04 20.14	+25 19 48.5	11.57	H	211.083 929 00	+25.330 135 06		3.30	−19.23	13.03	2.43	1.72	2.79	2.49	1.71	−26	−15	−20	−27	+ 0	− 4	+ 2	− 7	+10	−46	2	−3.62
68750	14 04 20.87	−65 24 57.5	7.94	2 H	211.086 950 33	−65.415 967 37		3.22	−4.81	−8.70	0.50	0.61	0.86	0.64	0.77	+43	−14	− 7	−15	+ 1	+ 4	− 2	− 3	+ 7	+54	1	−1.89
68751	14 04 21.48	+23 06 30.8	10.42	H	211.089 486 46	+23.108 551 96		7.06	−5.21	7.97	1.36	1.20	1.78	1.24	1.15	+ 2	+ 3	−20	−28	−19	+10	−20	−26	−11	−17	0	0.32
68752	14 04 21.50	−09 15 27.6	6.65	G	211.089 564 47	−09.257 659 27		8.16	−41.82	−8.89	0.72	0.45	0.79	0.74	0.50	−23	−28	− 7	+23	+ 2	+ 5	+ 0	−38	+20	−20	0	−0.16
68753 H	14 04 21.78	−28 35 59.4	8.33	H	211.090 753 68	−28.599 843 45	A	1.67	−26.60	−13.50	1.32	0.87	1.33	1.48	1.06	−14	− 6	+ 0	−32	−26	+ 6	−26	−17	+ 8	+ 0	0	−0.22
68754	14 04 23.08	−11 29 41.7	9.41	H	211.096 183 85	−11.494 920 48		5.55	−14.29	−8.71	1.62	0.82	1.68	1.56	0.94	+ 2	−40	−22	+14	− 8	+10	−18	−35	+32	− 2	0	−0.33
68755	14 04 23.21	−03 28 01.9	10.36	G	211.096 707 69	−03.467 206 15		14.81	−182.25	−145.23	1.94	1.02	1.93	1.94	1.23	+21	−33	−17	−57	−35	+ 6	−44	−55	+43	+ 2	0	0.11
68756	14 04 23.43	+64 22 32.9	3.67	1 H	211.097 608 37	+64.375 808 73	+	10.56	−56.52	17.19	0.54	0.55	0.52	0.46	0.53	− 9	+ 0	− 4	−15	+ 6	+ 0	+ 4	−20	−25	−11	3	0.61
68757	14 04 23.77	−29 53 58.6	7.92	2 H	211.099 047 44	−29.899 605 03		0.44	−20.79	−9.67	0.83	0.58	1.00	0.97	0.75	−18	−15	−11	+ 9	− 7	+18	− 6	−13	+ 9	−16	0	2.95
68758	14 04 24.42	+46 17 48.4	8.35	H	211.101 768 16	+46.296 785 60		3.46	−8.88	7.50	0.66	0.86	0.97	0.74	0.80	+26	−10	−40	−23	−18	+ 4	−22	−43	+22	+ 4	0	−2.47
68759	14 04 25.03	−58 12 02.0	7.95	H	211.104 305 78	−58.200 549 07		7.03	−43.44	−15.78	0.68	0.68	0.96	0.79	0.79	+ 0	−31	−11	+26	+ 1	−11	− 4	+34	+ 9	+ 6	0	0.38
68760	14 04 26.60	−29 03 45.9	7.23	H	211.110 842 07	−29.062 749 86		4.48	−12.93	−9.72	0.69	0.52	0.84	0.76	0.67	−24	−24	− 2	+ 0	− 7	+13	− 9	− 8	+ 1	−29	0	0.27
68761	14 04 26.60	+31 46 01.8	9.90	G	211.110 850 81	+31.767 155 00		2.34	−16.42	−11.62	0.97	0.87	1.39	1.36	0.89	−19	+15	−22	+22	+ 1	+17	− 1	+11	−12	−26	0	1.05
68762	14 04 26.79	−68 58 05.0	9.21	H	211.111 641 85	−68.968 067 09		13.66	−3.74	−19.59	0.79	1.00	1.31	0.89	1.17	+18	−18	+12	+ 5	+ 9	−18	+ 8	+21	+14	+23	0	−1.29
68763	14 04 27.00	−14 58 18.0	6.35	H	211.112 507 91	−14.971 655 84		6.90	−35.28	−21.42	0.75	0.77	0.95	0.94	0.98	−40	− 1	−44	− 4	+32	−10	+25	−66	+39	−49	2	−0.91
68764	14 04 27.35	+26 36 06.1	10.11	H	211.113 952 55	+26.601 694 46		7.18	−24.55	−8.73	1.36	1.04	1.60	1.36	1.05	−32	− 6	−17	−36	+15	+ 5	+19	−14	− 8	−44	0	2.30
68765	14 04 27.62	+29 08 33.4	7.89	1 H	211.115 076 13	+29.142 599 66		3.79	5.08	−34.73	0.72	0.59	0.95	0.71	0.59	−10	−25	−22	−32	− 2	+10	+ 7	+15	−16	−23	0	0.94
68766	14 04 28.33	+52 24 56.6	7.81	H	211.118 035 57	+52.415 724 48		2.83	−53.58	−25.50	0.63	0.63	0.80	0.77	0.63	+ 7	−10	−29	+29	−14	+22	− 9	+12	− 9	−12	0	−0.32
68767	14 04 30.39	+21 23 17.3	8.53	H	211.126 613 71	+21.388 150 18		3.32	−7.62	2.60	0.79	0.69	1.14	0.99	0.79	+ 8	−14	− 8	+ 3	−13	−35	−13	−15	−23	+13	0	−0.49
68768	14 04 30.96	+68 01 23.4	10.14	H	211.128 999 09	+68.023 163 33		2.87	4.55	−2.96	0.88	0.91	1.01	0.97	1.17	− 5	−16	− 9	− 3	+ 0	+ 7	+ 4	+19	+ 3	−22	0	0.55
68769	14 04 31.38	+39 12 47.6	10.69	H	211.130 757 04	+39.213 223 07		−0.61	−40.44	18.18	1.63	2.22	3.17	1.82	2.15	+23	−11	−28	−11	−12	+ 7	−15	−34	+14	+ 4	2	
68770	14 04 32.48	+19 10 39.4	7.65	G	211.135 331 23	+19.177 613 67		16.10	−63.31	−101.98	0.66	0.64	0.92	0.81	0.76	−21	− 1	−31	−13	+ 5	− 6	+ 4	−14	+14	−38	4	0.49
68771	14 04 33.64	+34 25 22.0	8.06	H	211.140 175 83	+34.422 765 00		8.11	−17.54	8.71	0.65	0.62	0.92	0.81	0.67	− 7	+13	+ 5	+ 3	− 3	−13	− 4	+ 6	−11	− 2	0	2.21
68772	14 04 33.67	−39 54 09.7	9.88	H	211.140 280 13	−39.902 701 07		27.86	−193.93	−102.07	1.29	1.18	1.81	1.40	1.64	−21	−27	− 1	−11	+ 8	−15	+ 0	−34	+20	−32	2	1.83
68773	14 04 35.82	−67 38 19.0	8.39	H	211.149 233 72	−67.638 619 25		1.58	−8.27	−5.81	0.68	0.75	1.10	0.87	0.89	+29	−17	+ 0	+12	+16	−24	+14	+20	−10	+50	0	−0.12
68774	14 04 36.75	+17 14 33.8	9.29	H	211.153 119 26	+17.242 714 69		15.20	−50.14	−36.33	0.93	0.69	1.36	1.04	0.73	−12	−14	−32	+41	+13	−32	− 4	+ 4	− 4	−35	0	−0.24
68775 H	14 04 37.31	−35 38 43.2	7.23	2 G	211.155 445 19	−35.645 346 49	A	7.79	27.57	−12.99	1.86	1.40	1.32	1.39	1.12	− 6	−20	− 9	+ 8	+ 8	+ 2	+ 4	−17	+31	− 6	1	−0.33
68776	14 04 37.45	+02 17 51.1	6.28	G	211.156 040 81	+02.297 529 29		8.19	−38.82	0.90	0.74	0.46	0.85	0.71	0.53	− 7	−38	− 9	−18	+ 4	+15	− 7	−50	+12	−26	0	1.09
68777	14 04 38.50	+51 21 07.1	9.65	H	211.160 424 42	+51.351 968 95		2.69	6.41	3.66	0.78	0.87	1.05	0.98	0.97	+14	− 1	−32	− 4	− 2	+ 3	− 2	−19	+17	+ 7	0	−0.76
68778	14 04 39.10	+54 51 58.3	10.59	H	211.162 916 02	+54.866 200 43		10.23	−4.08	117.62	1.06	1.10	1.28	1.34	1.30	+22	− 6	−11	−20	− 8	− 3	− 5	+ 7	− 8	+12	1	1.02
68779 H	14 04 41.22	−72 04 10.6	7.79	H	211.171 748 17	−72.069 619 71	*	10.52	52.44	−17.31	0.56	0.63	0.82	0.65	0.75	+22	−20	− 2	− 2	+10	−11	+ 6	+ 4	+11	+32	0	0.42
68780	14 04 41.61	+06 59 54.2	7.89	H	211.173 365 34	+06.998 382 64		8.39	−28.56	5.88	0.76	0.45	0.92	0.83	0.47	−31	−16	+10	−14	+20	− 3	+20	− 7	− 1	−43	0	−0.48
68781	14 04 42.17	−50 04 16.9	7.64	H	211.175 721 26	−50.071 354 48		9.37	−27.00	−21.49	0.65	0.54	0.96	0.82	0.54	− 7	−16	+ 2	+31	−18	−23	−13	+33	− 8	+18	0	0.06
68782	14 04 42.42	−41 17 10.3	8.67	H	211.176 761 57	−41.286 184 39		7.54	−44.99	−24.04	0.91	0.79	1.21	0.97	0.93	−18	−37	+ 4	− 3	+ 3	+10	+ 4	−22	− 7	−22	0	0.06
68783	14 04 43.23	+04 46 44.1	8.52	G	211.180 144 58	+04.778 912 58		22.97	−47.95	196.37	0.90	0.52	1.04	0.86	0.53	−33	−34	+10	− 6	+26	+ 6	+24	−23	− 8	−45	0	1.26
68784	14 04 45.46	−69 52 19.5	7.60	H	211.189 420 83	−69.872 072 80		5.85	−7.71	−2.37	0.51	0.63	0.81	0.62	0.74	+21	− 7	+12	− 2	+12	− 4	+ 7	+21	+22	+34	0	−0.44
68785	14 04 45.94	+25 49 04.8	6.95	H	211.191 419 77	+25.818 013 32		22.98	6.68	−110.21	0.71	0.53	0.87	0.77	0.54	− 8	− 7	−16	−19	−11	−11	− 7	+11	− 9	−24	0	1.01
68786 H	14 04 46.27	−41 27 38.6	8.56	G	211.192 776 26	−41.460 716 70	A	4.41	−30.26	−4.23	1.56	1.38	1.84	1.74	1.50	−16	−17	+ 7	+ 4	+12	+ 7	+10	−37	− 9	−21	1	−0.34
68787	14 04 46.40	−50 31 09.1	9.94	H	211.193 322 52	−50.519 186 17		6.27	−52.55	−34.74	1.18	1.12	1.88	1.44	1.09	−11	−18	+13	+28	−17	−20	−17	+51	− 1	+20	0	−1.94
68788	14 04 48.16	−34 33 47.2	9.10	2 H	211.200 686 92	−34.563 116 36		−0.91	−14.16	2.83	1.16	0.86	1.59	1.53	1.24	−15	− 1	−15	+33	+ 2	+21	+11	−28	+48	+11	0	−0.86
68789 H	14 04 48.77	−06 33 08.6	7.83	2 G	211.203 205 04	−06.552 399 08	A	6.90	−52.60	−6.33	1.87	1.26	1.84	2.07	1.46	−13	−25	−15	+24	+ 6	− 3	+ 0	−23	+12	−31	2	1.64
68790	14 04 48.98	+05 24 51.4	8.31	G	211.204 069 62	+05.414 285 06		7.74	−66.60	4.81	0.86	0.47	1.01	0.85	0.48	−27	−37	+ 4	+16	+26	− 9	+12	−27	+ 6	−44	0	−0.38
68791	14 04 50.57	+24 17 00.9	9.71	G	211.210 721 72	+24.283 571 37		0.59	−60.39	10.57	1.17	1.06	1.57	1.18	1.01	−12	+18	−41	− 6	−15	+22	−14	−31	+ 3	−31	2	1.18
68792	14 04 51.78	+58 52 02.9	7.58	H	211.215 761 06	+58.867 460 59		20.94	−178.82	19.41	0.51	0.56	0.64	0.55	0.59	+13	−14	−19	−12	− 9	− 4	− 7	+ 7	−11	+ 0	1	0.21
68793	14 04 53.77	+29 02 21.6	9.40	H	211.224 031 59	+29.039 345 99		2.10	6.14	−7.44	0.88	0.78	1.21	0.87	0.79	− 8	− 9	−19	−35	− 4	+ 6	+ 3	+18	+ 1	−22	0	−0.58
68794	14 04 55.14	−00 59 12.5	9.14	H	211.229 753 29	−00.986 797 82		7.73	−31.24	−10.59	1.16	0.71	1.61	1.25	0.83	−10	−29	−26	−23	− 9	+34	−15	−49	+33	−17	2	0.45
68795	14 04 57.20	−40 56 00.7	10.80	H	211.238 353 00	−40.933 519 42		−1.17	−16.10	−13.84	2.03	1.59	2.69	1.75	2.01	− 3	−51	−14	−17	− 1	+ 0	− 5	−23	+ 1	−26	0	0.65
68796	14 04 57.39	+74 34 24.1	8.21	G	211.239 144 25	+74.573 361 50		22.84	−147.22	90.12	0.61	0.62	0.68	0.66	0.69	− 8	− 1	−22	−16	+ 1	− 6	− 1	−16	+ 9	−15	0	0.45
68797	14 04 57.76	+35 48 50.6	8.98	G	211.240 668 59	+35.814 067 46		1.88	−5.23	17.41	0.77	0.77	1.12	0.86	0.80	− 3	+12	−12	−46	+ 5	−17	+ 2	−17	−14	− 3	1	−0.45
68798	14 04 57.95	+66 20 21.3	8.75	2 H	211.241 465 77	+66.339 239 07		3.20	−11.62	−

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
68701	9.559	0.023	8.554	0.016		0.878	0.021	T	0.89	0.01	L	8.6269	0.0025	0.017	82		8.60	8.66		C			1							
68702	0.435	0.014	0.609	0.013	*	−0.231	0.017	G	−0.25	0.02	A *	0.5366	0.0014	0.009	86	*	0.52	0.56		U 2	14038−6022	I 1	2 C A	AB	234	0.871	0.012	3.37	0.07	S
68703	8.875	0.011	8.330	0.010		0.511	0.013	T	0.58	0.01	L	8.3909	0.0018	0.015	131		8.37	8.42					1							S
68704	9.739	0.023	9.294	0.023		0.434	0.026	T	0.50	0.03	L	9.3534	0.0029	0.028	112		9.31	9.40					1							
68705	6.838	0.005	6.352	0.005		0.452	0.006	G	0.52	0.01	H	6.4079	0.0007	0.006	70		6.40	6.42		C			1 X							S
68706	8.458	0.010	7.134	0.005		1.124	0.009	T	1.09	0.01	L	7.1793	0.0009	0.009	124		7.16	7.20		C			1							S
68707	6.699	0.004	6.284	0.003		0.406	0.004	T	0.47	0.00	L	6.3310	0.0007	0.007	162		6.32	6.34		C			1							S
68708	8.218	0.009	6.838	0.006		1.168	0.008	T	1.13	0.01	L	6.8677	0.0008	0.008	143		6.85	6.88		C			1							S
68709	8.521	0.010	7.366	0.007		0.992	0.010	T	0.97	0.01	L	7.4261	0.0007	0.007	99		7.41	7.44					1							S
68710	10.893	0.057	9.758	0.033		0.976	0.051	T	0.96	0.04	L	9.7896	0.0048	0.025	75		9.75	9.84					1							
68711	10.721	0.044	9.788	0.032		0.830	0.020	G	0.85	0.01	H	9.8099	0.0027	0.021	111		9.78	9.86					1							
68712	10.435	0.029	9.804	0.027		0.582	0.029	T	0.65	0.03	L	9.9183	0.0023	0.026	107		9.86	9.97		C			1 X S							G
68713	8.418	0.011	8.317	0.013		0.091	0.016	T	0.10	0.02	L	8.3507	0.0013	0.012	80		8.33	8.37					1							S
68714	11.000	0.048	10.255	0.037		0.681	0.048	T	0.74	0.04	L	10.2951	0.0035	0.028	119		10.25	10.34					1							
68715	9.304	0.017	8.037	0.010		1.079	0.015	T	1.04	0.01	L	8.0761	0.0011	0.009	85		8.06	8.10		C			1							
68716	9.639	0.017	8.789	0.013		0.747	0.016	T	0.79	0.01	L	8.8496	0.0018	0.018	135		8.81	8.89		C			1 G							S
68717	8.556	0.012	7.920	0.010	−	0.200	0.495	G	0.70	0.03	L *	7.8857	0.0020	0.014	84	−	7.86	7.92		D	14040−4437	I 1	3 C A							G
68718	9.185	0.012	8.553	0.011		0.587	0.014	T	0.66	0.01	L	8.6056	0.0050	0.046	125		8.55	8.69	1.52	P 1 A			1 G							S
68719	10.569	0.033	9.028	0.016		1.294	0.029	T	1.25	0.03	L	9.0529	0.0013	0.015	119		9.02	9.08		C			1							
68720	10.170	0.028	8.169	0.011		1.658	0.024	T	1.68	0.03	L	8.0828	0.0025	0.020	88		8.06	8.12		U			1							
68721	10.725	0.041	8.973	0.016		1.461	0.035	T	1.47	0.06	L	8.9293	0.0017	0.013	97		8.91	8.95		C			1							
68722	8.590	0.012	8.314	0.014		0.238	0.015	G	0.27	0.02	H	8.4038	0.0015	0.013	93		8.38	8.43		C			1 G							S
68723	9.815	0.022	8.399	0.012		1.196	0.020	T	1.16	0.02	L	8.4175	0.0013	0.016	113		8.39	8.44		C			1 G							
68724	9.566	0.018	9.181	0.019		0.364	0.024	T	0.43	0.03	L	9.2563	0.0018	0.020	133		9.23	9.29		C			1							S
68725	9.332	0.020	8.907	0.029	*	0.415	0.028	T	0.48	0.03	L *	9.4297	0.0029	0.023	83	*	9.39	9.45		D	14041−4324	I 1	2 C A	AB	125	2.331	0.006	0.20	0.02	
68726	8.016	0.009	7.190	0.007		0.724	0.015	G	0.78	0.01	H	7.2511	0.0012	0.010	93		7.23	7.27		C	14041−3716	I 1	1							S
68727	9.097	0.016	8.609	0.016	*	0.501	0.015	G	0.57	0.02	H *	8.6692	0.0016	0.015	70	*	8.65	8.69		C	14041−2119	H 1	2 C B	AB	353	0.253	0.032	2.96	0.70	S
68728	11.472	0.098	10.743	0.080		0.669	0.101	T	0.73	0.08	L	10.7717	0.0071	0.051	79		10.68	10.87					1							G
68729	10.671	0.048	8.940	0.019		1.444	0.041	T	1.44	0.07	L	8.8909	0.0014	0.012	62		8.87	8.91		C			1							
68730	9.658	0.019	8.285	0.011		1.162	0.017	T	1.12	0.01	L	8.3443	0.0017	0.015	120		8.32	8.37		C			1							S
68731	10.411	0.026	9.108	0.015		1.107	0.023	T	1.07	0.02	L	9.1873	0.0019	0.018	128		9.16	9.22		C			1							
68732	11.389	0.089	10.284	0.057		1.070	0.015	G	1.13	0.02	I	10.3131	0.0048	0.031	70		10.26	10.37			14042+2045	I 1	1							
68733	9.655	0.018	8.661	0.013		0.870	0.017	T	0.88	0.01	L	8.7032	0.0021	0.022	141		8.67	8.74		U			1							
68734	9.538	0.013	8.695	0.011		0.741	0.013	T	0.79	0.01	L	8.7717	0.0019	0.021	173		8.74	8.81					1							S
68735	8.373	0.013	7.977	0.013		0.403	0.015	G	0.47	0.02	H	8.0290	0.0018	0.011	73		8.01	8.05					1							S
68736	7.524	0.007	7.044	0.007		0.490	0.015	G	0.56	0.02	H	7.1005	0.0011	0.010	84		7.08	7.12		C			1							S
68737	9.738	0.015	8.531	0.009		1.032	0.014	T	1.00	0.01	L	8.5959	0.0019	0.020	171		8.56	8.63					1							S
68738	9.513	0.016	9.053	0.016		0.434	0.021	T	0.50	0.02	L	9.1439	0.0025	0.020	102		9.11	9.18		C			1							S
68739	8.137	0.008	6.544	0.004		1.321	0.002	G	1.28	0.00	H	6.5434	0.0009	0.005	103		6.53	6.55		C			1							S
68740	10.526	0.036	9.270	0.021		1.071	0.033	T	1.04	0.03	L	9.3336	0.0025	0.016	81		9.32	9.37		C			1							
68741	9.417	0.019	9.359	0.025		0.099	0.015	G	0.11	0.02	H	9.4142	0.0031	0.026	108		9.37	9.46					1							G
68742	9.780	0.026	9.208	0.024		0.538	0.026	T	0.61	0.03	L	9.2770	0.0017	0.013	76		9.25	9.31		D			1							
68743	9.689	0.028	9.154	0.028	A	0.473	0.015	G	0.54	0.02	H	9.2955	0.0203	0.039	97	A	9.22	9.35		U	14043−5728	I 1	2 C C	AB	14	14.741	0.115	3.53	0.51	
68744	10.799	0.040	8.919	0.015		1.562	0.034	T	1.58	0.04	L	8.7666	0.0070	0.055	117		8.69	8.85		U 2			1 S							
68745	12.468	0.185	10.806	0.067		1.577	0.197	G	2.55	0.45	I	10.7698	0.0035	0.037	150		10.72	10.83		C			1							G
68746	10.345	0.033	9.791	0.031		0.519	0.040	T	0.59	0.04	L	9.8319	0.0019	0.018	110		9.80	9.86					1							
68747	9.629	0.016	8.400	0.010		1.050	0.015	T	1.02	0.01	L	8.4314	0.0015	0.017	128		8.40	8.46					1							S
68748	9.793	0.022	8.549	0.014		1.061	0.020	T	1.03	0.02	L	8.5830	0.0017	0.013	92		8.56	8.61		C			1							S
68749						0.639	0.126	G	0.70	0.11	R	11.7000	0.0055	0.048	95		11.61	11.76					1							G
68750	8.004	0.007	7.941	0.009		0.063	0.011	T	0.07	0.01	L	7.9654	0.0013	0.016	192		7.94	8.06		U 2 C			1							S
68751	11.066	0.053	10.446	0.051		0.577	0.064	T	0.65	0.06	L	10.5452	0.0037	0.030	93		10.50	10.59		C			1							
68752	6.698	0.004	6.650	0.005		0.029	0.002	G	0.05	0.00	H	6.6648	0.0007	0.006	100		6.65	6.67					1							S
68753	8.759	0.012	8.407	0.013	*	0.334	0.017	T	0.39	0.02	L *	8.4119	0.0019	0.016	100	*	8.39	8.43			14044−2836	I 1	2 C A	AB	220	0.757	0.006	1.98	0.02	S
68754	11.005	0.063	9.529	0.028		1.243	0.054	T	1.20	0.05	L	9.5698	0.0027	0.021	77		9.54	9.61		C			1							
68755	11.553	0.087	10.411	0.047		0.892	0.004	G	0.93	0.00	H	10.5119	0.0022	0.020	134		10.47	10.56					1							
68756	3.609	0.002	3.644	0.002		−0.049	0.005	G	−0.08	0.03	C	3.6452	0.0005	0.004	118		3.64	3.66		M			1 O							S
68757	10.024	0.027	8.126	0.012		1.610	0.024	T	2.13	0.08	O	7.9876	0.0062	0.062	99		7.89	8.16		U 2			1							
68758	10.328	0.027	8.519	0.012		1.506	0.023	T	1.54	0.03	L	8.4781	0.0015	0.014	126		8.45	8.51		C			1							S
68759	8.186	0.008	7.952	0.011		0.218	0.014	T	0.24	0.02	L	8.0167	0.0015	0.014	115		8.00	8.05					1							
68760	8.346	0.010	7.333	0.007		0.884	0.009	T	0.89	0.01	L	7.3867	0.0017	0.013	124		7.37	7.40					1							S
68761	11.202	0.057	10.002	0.033		1.000	0.015	G	0.98	0.01	H	10.0709	0.0030	0.029	134		10.02	10.13					1							
68762	10.134	0.025	9.299	0.020		0.735	0.025	T	0.78	0.02	L	9.3494	0.0029	0.024	141		9.31	9.39					1							
68763	7.749	0.008	6.468	0.005		1.081	0.002	G	1.04	0.00	H	6.5211	0.0008	0.007	78		6.51	6.53		C			1							S
68764	10.787	0.061	10.177	0.054		0.568	0.071	T	0.64	0.07	L	10.2350	0.0028	0.022	84		10.20	10.29		C			1							
68765	9.871	0.020	8.074	0.009		1.527	0.018	T	1.93	0.06	O	7.9723	0.0019	0.022	117		7.94	8.00		U			1							S
68766	9.464	0.017	7.957	0.009		1.267	0.015	T	1.23	0.02	L	7.9655	0.0015	0.015	124		7.94	8.00		C			1							S
68767	8.744	0.014	8.547	0.016		0.166	0.005	G	0.18	0.01	H	8.5870	0.0020	0.015	77		8.56	8.61					1							S
68768	10.389	0.034	10.166	0.043		0.213	0.052	T	0.24	0.06	L	10.2018	0.0029	0.028	117		10.14	10.25		C			1							
68769	11.455	0.057	10.761	0.048		0.640	0.061	T	0.70	0.05	L	10.8177	0.0029	0.032	172		10.77	10.89		C			1 X							G
68770	8.160	0.009	7.715	0.009		0.420	0.012	T	0.49	0.01	L	7.7433	0.0018	0.012	94		7.73	7.76					1							S
68771	8.290	0.008	8.083	0.009		0.180	0.015	G	0.20	0.02	H	8.1180	0.0016	0.017	118		8.09	8.15			14046+3425	I 1	1							S
68772	11.368	0.073	9.999	0.038		1.086	0.004	G	1.16	0.01	I	10.0094	0.0034	0.026	70		9.96	10.04					1							G
68773	9.895	0.020	8.518	0.011		1.165	0.018	T	1.13	0.02	L	8.5525	0.0012	0.018	166		8.52	8.59		D			1							
68774	10.007	0.025	9.360	0.022		0.600	0.029	T	0.67	0.03	L	9.4166	0.0021	0.018	102		9.38	9.45					1							
68775	7.688	0.009	7.293	0.008	*	0.379	0.015	G	0.44	0.02	H *	7.3291	0.0036	0.026	95	*	7.29	7.37		U 2	14046−3539	I 1	2 C A	AB	352	0.350	0.008	2.23	0.05	S
68776	7.589	0.007	6.383	0.004		1.022	0.002	G	1.00	0.00	H	6.4432	0.0006	0.006	127		6.43	6.46		C			1							S
68777	10.081	0.025	9.730	0.029		0.333	0.036	T	0.39	0.05	L	9.7286	0.0022	0.019	120		9.70	9.77		C			1							
68778	11.856	0.113	10.812	0.076		0.897	0.107	T	0.90	0.08	L	10.7334	0.0035	0.033	113		10.68	10.79					1							G
68779	8.503	0.009	7.869	0.008	*	0.584	0.009	T	0.66	0.01	L *	7.9190	0.0016	0.015	143	*	7.90	7.94			14047−7204	H 1	2 C S B	AB	34	0.122	0.013	0.63	0.73	S
68780	8.266	0.008	7.936	0.010		0.341	0.003	G	0.40	0.00	H	7.9757	0.0011	0.013	151		7.95	8.00		C			1							S
68781	7.799	0.008	7.661	0.007		0.125	0.010	T	0.14	0.01	L	7.6885	0.0009	0.010	124		7.67	7.71		D			1							S
68782	9.127	0.021	8.702	0.021		0.398	0.015	G	0.46	0.02	H	8.7598	0.0020	0.015	83		8.73	8.78		C			1							
68783	9.329	0.013	8.600	0.011		0.673	0.003	G	0.73	0.00	H	8.6520	0.0015	0.015	155		8.62	8.68					1							S
68784	8.104	0.008	7.656	0.007		0.423	0.010	T	0.49	0.01	L	7.6963	0.0011	0.014	143		7.67	7.72					1							S
68785	7.504	0.007	7.000	0.007		0.484	0.008	T	0.56	0.01	L	7.0579	0.0008	0.007	87		7.05	7.07		C	14048+2550	I 1	1							S
68786	8.768	0.017	8.630	0.020	A	0.161	0.015	G	0.18	0.01	H *	8.6194	0.0023	0.014	82	*	8.59	8.65		D	14048−4128	I 1	2 C A	AB	25	9.519	0.030	2.91	0.15	
68787	10.690	0.037	9.953	0.031		0.675	0.038	T	0.73	0.03	L	10.0850	0.0030	0.033	131		10.03	10.14					1							G
68788	11.301	0.080	9.335	0.026		1.630	0.067	T	1.65	0.07	L	9.2148	0.0055	0.042	75		9.15	9.30		U 2			1							
68789	8.143	0.011	7.725	0.012	*	0.382	0.015	G	0.45	0.02	H *	7.9185	0.0019	0.021	109	*	7.88	7.97		U 2	14048−0633	I 1	2 C A	AB	297	4.251	0.008	1.10	0.02	S
68790	8.773	0.009	8.337	0.009		0.412	0.015	G	0.48	0.02	H	8.3999	0.0009	0.013	169		8.37	8.42		C			1							S
68791	11.148	0.059	9.830	0.032		1.110	0.015	G	1.19	0.02	I	9.8817	0.0029	0.026	84		9.85	9.92		C			1							
68792	8.328	0.009	7.640	0.008		0.635	0.010	T	0.70	0.01	L	7.7123	0.0009	0.009	121		7.69	7.73					1							S
68793	10.593	0.033	9.512	0.020		0.980	0.017	G	0.96	0.01	I	9.5414	0.0024	0.022	117		9.50	9.59					1							
68794	9.639	0.016	9.156	0.016		0.455	0.021	T	0.52	0.02	L	9.2424	0.0023	0.018	123		9.21	9.27					1							S
68795	12.482	0.408	11.033	0.162							T	10.9696	0.0039	0.043	81		10.90	11.03		C			1 S							G
68796	8.944	0.012	8.284	0.011		0.590	0.015	G	0.66	0.01	H	8.3325	0.0018	0.016	122		8.30	8.36		C			1							S
68797	10.182	0.023	9.089	0.016		0.940	0.015	G	0.93	0.01	H	9.1220	0.0017	0.021	142		9.08	9.17					1							
68798	10.687	0.038	8.972	0.016		1.459	0.034	T	2.48	0.07	O	8.7736	0.0034	0.036	128		8.71	8.83		U 2			1							
68799	9.633	0.017	8.835	0.014		0.707	0.017	T	0.76	0.01	L	8.9063	0.0017	0.017	122		8.88	8.94		C			1							
68800	9.676	0.019	8.474	0.012		1.029	0.018	T	1.00	0.01	L	8.5150	0.0022	0.018	126		8.48	8.54					1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1 %	F2
1 2	h m s	±° ′ ″	mag	6 7	deg	deg	10	mas	mas/yr		mas		mas	mas/yr		19	20	21	22	23	24	25	26	27	28	29	30
68801	14 05 03.83	+10 00 48.5	8.77	2 H	211.265 973 54	+10.013 477 80		19.99	−194.70	46.76	0.83	0.66	1.16	0.91	0.73	−38	−14	− 4	+14	+15	− 3	+15	+ 2	−20	−47	0	0.39
68802	14 05 05.34	−28 30 59.6	7.99	G	211.272 246 18	−28.516 566 00		10.85	−4.72	16.70	0.75	0.55	0.91	0.88	0.75	−26	−22	− 6	+ 3	−15	+13	−19	− 6	+13	−29	2	0.04
68803	14 05 05.75	−22 37 19.6	7.21	H	211.273 969 90	−22.622 117 52		5.94	−52.96	−6.23	0.86	0.67	1.10	1.13	0.99	−15	−27	−31	+22	− 2	−19	−22	−32	+47	−35	5	2.59
68804	14 05 10.20	−64 21 10.1	9.32	H	211.292 491 97	−64.352 809 53		8.48	−72.80	−85.57	0.77	0.96	1.43	0.96	1.13	+45	−15	− 8	+17	+26	+ 0	+24	+21	− 2	+56	1	0.58
68805	14 05 10.75	−09 02 54.6	8.08	G	211.294 801 49	−09.048 493 38		20.62	−103.93	−5.34	0.98	0.62	1.20	1.16	0.82	−15	−29	−27	+14	+12	−24	−12	−49	+48	−38	0	−0.91
68806	14 05 12.57	−07 16 35.5	7.69	H	211.302 382 65	−07.276 530 07		5.38	−57.97	−21.23	1.06	0.59	1.26	1.22	0.82	− 7	−42	−31	+29	+12	+ 0	−18	−53	+41	−37	2	0.09
68807	14 05 13.08	−14 51 25.1	7.22	H	211.304 504 93	−14.856 963 93		3.30	−94.10	−44.13	0.79	0.58	0.88	0.95	0.72	−29	−18	−11	+23	+ 1	+ 6	− 2	−24	+15	−31	0	0.81
68808	14 05 14.01	−16 20 09.5	6.56	G	211.308 381 89	−16.335 985 28		8.56	2.74	−0.20	0.85	0.77	0.96	1.08	1.03	−32	+ 5	−40	+29	+33	− 3	+30	−62	+43	−37	0	0.32
68809	14 05 15.55	+16 41 30.6	8.70	H	211.314 774 29	+16.691 840 30		8.44	−7.76	−0.60	0.84	0.74	1.17	0.97	0.80	−17	−12	−26	+ 6	−17	+11	− 7	+43	−26	−36	0	−0.64
68810	14 05 15.66	−00 54 58.1	8.59	H	211.315 265 50	−00.916 147 80		7.26	−21.89	−7.01	0.98	0.63	1.31	1.07	0.71	−22	−21	− 9	−19	+ 3	+28	− 2	−52	+16	−27	0	0.87
68811	14 05 15.82	+46 35 30.0	7.70	G	211.315 914 15	+46.591 657 49		11.63	−51.10	17.81	0.52	0.69	0.82	0.61	0.62	+24	−16	−43	− 8	−22	+11	−23	−36	+17	+ 0	0	0.29
68812	14 05 15.95	+66 26 01.4	9.00	H	211.316 453 60	+66.433 712 09		5.79	−5.76	−26.40	0.65	0.72	0.78	0.68	0.75	+13	−10	−18	− 4	− 6	+ 0	− 3	+23	− 8	+ 5	0	1.47
68813	14 05 17.14	+32 23 43.3	9.04	G	211.321 433 26	+32.395 359 45		1.78	−20.84	−9.00	0.77	0.75	1.23	1.13	0.80	−13	+14	−18	+19	+ 2	−13	− 3	+18	−16	−12	1	1.41
68814	14 05 17.83	+56 31 14.2	7.09	H	211.324 295 00	+56.520 620 00		7.18	−26.85	10.84	0.50	0.53	0.61	0.60	0.55	+ 2	− 4	−19	+15	− 9	+10	− 7	+12	−10	−14	1	1.03
68815	14 05 20.10	−76 47 48.0	5.69	2 H	211.333 755 41	−76.796 676 32	*	9.93	−87.41	−31.23	0.52	0.50	0.64	0.60	0.66	+ 6	+16	+ 3	−15	+ 5	− 7	+ 5	+ 3	+10	+27	2	1.75
68816	14 05 21.89	+76 58 53.8	7.82	H	211.341 194 88	+76.981 598 74		4.56	−9.57	20.00	0.49	0.54	0.62	0.56	0.65	− 3	+ 0	−24	+ 7	−12	+21	− 7	− 1	+ 7	+ 1	0	0.66
68817	14 05 22.04	−62 30 26.6	8.93	2 H	211.341 833 56	−62.507 391 10		0.99	−3.99	−1.08	0.66	0.87	1.27	0.79	0.88	+27	−17	− 6	+28	+20	−11	+19	+10	+10	+45	0	0.43
68818	14 05 22.49	−42 50 37.4	8.41	H	211.343 722 39	−42.843 731 61		−0.89	−16.12	−5.65	0.81	0.65	1.02	0.87	0.81	−15	−34	+ 0	−10	− 1	+ 4	− 5	−22	+10	−19	4	0.46
68819	14 05 22.92	−07 59 48.8	8.18	H	211.345 490 14	−07.996 887 28		12.40	−100.05	−4.71	0.96	0.66	1.11	1.11	0.88	−24	−27	−27	+34	+18	−18	− 8	−44	+34	−54	0	0.05
68820	14 05 24.13	−23 09 37.8	9.30	H																							
68821	14 05 24.34	−32 40 38.2	8.15	H	211.351 429 94	−32.677 266 05		4.84	24.39	−8.53	0.92	0.84	1.34	1.31	1.44	−24	−21	−26	−11	+10	−14	− 7	−44	+50	−41	0	−0.65
68822	14 05 24.57	−23 09 53.6	8.65	H	211.352 393 99	−23.164 883 49		3.43	−0.46	−12.01	1.45	1.07	1.52	2.54	1.46	+ 0	+13	+ 3	−29	−20	−12	−12	−59	+ 9	+ 4	0	0.34
68823	14 05 25.68	−43 23 10.5	9.03	H	211.357 004 93	−43.386 240 97		2.91	−35.39	−20.00	1.09	0.81	1.34	1.25	0.92	−16	−36	+19	+ 5	− 4	+ 5	− 7	−21	+16	+ 0	0	0.93
68824	14 05 30.35	−36 32 42.8	8.18	H	211.376 454 67	−36.545 229 33	A	4.84	−15.53	−12.74	2.80	1.93	2.61	2.79	2.22	− 4	−19	−17	−24	− 9	− 1	−15	−18	+24	− 2	9	0.76
68825	14 05 30.37	+74 42 56.4	7.50	G	211.376 543 04	+74.715 656 32		5.19	54.48	−133.55	0.55	0.54	0.61	0.59	0.66	− 2	−15	−20	−22	− 5	−15	− 9	− 6	+14	−20	0	1.06
68826	14 05 31.66	−36 32 56.0	9.97	H	211.381 902 11	−36.548 876 38	B	20.71	−24.17	−11.93	25.30	16.59	9.40	11.65	8.61	−12	−17	− 6	−17	− 9	− 1	−14	− 8	+20	− 2	9	0.76
68827	14 05 32.17	−80 04 46.7	9.45	H	211.384 046 29	−80.079 649 45		1.33	7.31	−16.14	0.91	0.79	1.09	1.06	0.85	+ 6	−27	+11	− 2	+ 5	− 9	+ 3	+17	+ 6	+15	1	−0.11
68828	14 05 35.63	+44 20 25.4	8.06	H	211.398 462 43	+44.340 383 15		2.02	2.95	0.08	0.65	0.74	0.92	0.72	0.77	+21	− 7	−26	−37	−17	− 1	−18	−40	+17	−11	0	0.84
68829	14 05 37.52	−63 09 19.0	8.74	2 H	211.406 327 62	−63.155 286 07		1.26	−5.99	−1.91	0.60	0.76	1.21	0.67	0.78	+37	−24	−23	+43	+11	−23	+ 6	− 3	+ 4	+34	1	0.87
*68830	14 05 38.54	−18 04 20.1	8.15	G	211.410 573 76	−18.072 243 74		11.68	41.70	−44.51	1.13	0.78	1.24	1.41	1.08	− 3	−13	−32	+32	+16	−15	+ 3	−25	+34	−24	0	−2.55
*68831	H 14 05 38.51	−39 16 12.1	9.47	H	211.410 440 79	−39.270 036 78	*	3.67	20.71	7.21	2.86	2.12	2.06	1.82	1.59	− 2	−19	− 3	−26	− 6	−18	−14	−27	+37	− 7	0	0.72
68832	14 05 38.62	+81 36 23.9	8.83	2 H	211.410 928 64	+81.606 632 79		1.40	3.52	−4.50	0.63	0.67	0.73	0.70	0.94	− 2	+ 3	− 9	+ 3	+ 6	+ 2	+ 7	− 2	+ 4	− 8	2	−0.92
68833	14 05 38.92	−18 04 50.9	8.76	H	211.412 151 32	−18.080 812 18		9.96	37.18	−44.64	1.29	1.12	1.64	1.80	1.59	−28	−10	−35	+28	+ 8	−19	− 4	−22	+41	−41	2	−1.35
68834	14 05 39.51	−26 36 41.8	8.71	G	211.414 636 71	−26.611 613 28		7.72	3.11	5.35	0.98	0.77	1.20	1.08	0.90	−26	−27	−21	+20	+ 1	+ 4	− 3	−21	+24	−28	0	1.52
68835	14 05 41.36	+22 43 52.3	7.69	H	211.422 330 13	+22.731 195 64		5.45	−51.79	−72.65	0.73	0.67	0.98	0.69	0.68	− 3	+ 2	−24	−23	−27	+13	−27	−20	− 9	−36	0	0.21
68836	H 14 05 41.90	−49 09 45.9	10.28	H	211.424 566 04	−49.162 751 02	A	7.41	1.82	−3.99	3.40	3.85	5.28	3.77	3.56	−28	−15	+ 2	+ 8	−10	−41	−13	+21	+ 4	− 8	0	1.68
68837	14 05 42.43	−67 00 54.8	9.54	2 H	211.426 795 34	−67.015 223 14	*	−1.92	−4.69	−7.47	0.94	1.01	1.51	1.08	1.31	+22	−20	+ 8	−12	− 9	−25	− 1	−18	−28	+47	2	0.07
68838	14 05 44.56	+42 22 42.5	8.64	G	211.435 676 62	+42.378 465 90		9.80	−0.72	−52.23	0.60	0.69	0.92	0.72	0.72	+ 8	− 5	− 6	+ 7	−22	+10	−21	−12	+11	− 2	0	0.83
68839	14 05 44.67	−32 24 41.8	9.17	H	211.436 117 46	−32.411 621 05		10.05	−131.87	3.09	1.11	0.95	1.39	1.45	1.28	−31	− 9	−13	−28	+10	+10	+11	−49	+13	−24	0	0.36
68840	14 05 45.03	−30 35 32.6	8.73	H	211.437 624 33	−30.592 376 71		4.25	−23.17	6.29	0.98	0.73	1.14	1.12	0.90	−15	−19	− 5	+21	+14	+18	+16	−25	− 5	−20	0	0.52
68841	14 05 46.36	+39 58 48.3	8.78	H	211.443 175 22	+39.980 082 44		1.49	−14.44	17.92	0.70	0.84	1.22	0.86	0.90	+17	− 3	−24	+15	−14	− 7	−20	− 8	+ 9	− 8	1	0.54
68842	14 05 46.53	−54 40 09.5	6.20	2 G	211.443 878 14	−54.669 301 65		7.67	−52.97	−25.03	0.45	0.45	0.67	0.43	0.51	− 8	−37	+ 2	− 1	+ 3	−17	− 2	+12	+10	+ 1	0	0.48
68843	14 05 47.46	+10 03 01.9	8.92	H	211.447 768 16	+10.050 541 57		5.40	−82.90	64.36	0.85	0.68	1.16	0.97	0.75	−34	−13	−19	+19	+ 5	−11	+ 4	+19	− 9	−50	0	1.07
68844	14 05 47.72	−33 41 51.2	8.65	G	211.448 835 57	−33.697 565 83		4.04	−41.27	−63.16	1.13	0.92	1.44	1.56	1.34	−24	− 9	−13	+ 7	+ 6	− 5	+ 6	−42	+37	−17	0	−1.02
68845	14 05 49.34	+19 56 42.5	9.07	H	211.455 568 66	+19.945 139 54		5.87	−73.70	−10.18	1.00	0.81	1.33	1.17	0.92	−16	−18	−13	− 1	+ 4	−10	+ 3	− 1	+ 1	−27	0	−0.55
68846	14 05 49.77	−44 46 40.1	9.36	H	211.457 370 48	−44.777 805 92		8.38	−107.88	−72.84	1.02	0.81	1.33	0.96	0.88	− 4	−39	− 8	−11	− 3	−20	−10	−25	+15	− 6	0	−0.05
68847	14 05 52.05	−12 42 11.3	8.31	G	211.466 872 61	−12.703 137 56		8.98	−46.41	−21.44	1.11	0.62	1.17	1.38	0.71	−18	−13	−16	+37	−14	+27	− 4	−25	+22	− 1	0	−0.11
68848	14 05 53.63	−36 01 02.0	8.51	H	211.473 439 67	−36.017 216 30		3.10	2.48	−3.34	0.93	0.69	1.15	1.14	0.93	−11	−21	−11	−14	− 5	− 9	−13	−18	+33	− 3	4	0.79
68849	14 05 55.23	+13 14 08.6	11.16	H	211.480 117 86	+13.235 721 73		4.95	5.82	3.81	1.96	1.29	2.43	2.13	1.35	−20	−23	−15	+47	+16	−16	+13	+ 7	−25	−28	0	0.49
68850	14 05 55.25	+02 04 01.7	9.73	H	211.480 227 82	+02.067 135 61		9.91	−68.00	−16.31	1.48	0.83	1.70	1.57	0.93	− 3	−19	− 8	−25	− 2	+17	− 8	−52	+19	−12	0	0.19
68851	14 05 56.08	+34 22 58.2	8.37	H	211.483 657 86	+34.382 834 94		6.27	15.12	−69.60	0.67	0.67	0.97	0.82	0.73	+ 2	+11	− 8	−11	+ 5	−11	+ 4	+ 7	+ 0	+ 1	1	1.44
68852	14 05 56.58	−51 09 26.3	9.19	H	211.485 756 94	−51.157 316 17		6.71	38.89	−0.68	1.00	0.99	1.53	0.98	0.94	−15	−49	+ 8	+29	−13	−24	−24	+63	+12	+ 9	0	−0.75
68853	14 05 56.90	−37 43 45.1	7.71	H	211.487 090 23	−37.729 205 74		4.22	−14.58	−10.61	0.82	0.55	0.98	0.88	0.77	+ 0	−33	−14	+39	+ 5	− 2	− 9	− 3	+34	−16	0	−0.87
68854	14 05 56.99	−33 59 14.3	9.31	H	211.487 447 63	−33.987 299 02		3.19	−10.58	−9.03	1.20	0.96	1.67	1.62	1.53	−22	− 4	−19	+25	+ 5	+ 8	+ 6	−39	+47	−14	0	−1.97
68855	14 05 57.38	−13 04 25.1	9.02	H	211.489 102 68	−13.073 647 29	A	3.72	−31.62	−8.68	4.71	2.92	4.21	5.40	3.00	−13	−27	−26	+26	− 9	+14	−15	−29	+23	−23	9	1.83
68856	14 05 57.50	−13 04 11.6	9.73	H	211.489 587 29	−13.069 901 70	B	−0.99	−33.24	−14.43	12.05	6.97	8.55	11.11	5.86	−13	−24	−23	+27	− 9	+18	−13	−19	+19	−22	9	1.83
68857	14 05 57.91	+18 16 27.5	9.47	H	211.491 290 03	+18.274 318 16		4.53	−49.18	−21.89	1.05	0.82	1.25	1.30	0.91	−19	− 8	− 7	+12	+13	− 9	+11	+11	− 9	−36	2	−0.25
68858	14 06 00.99	−31 25 54.1	9.98	H	211.504 114 36	−31.431 699 79		9.74	50.45	−16.06	1.14	1.00	1.54	1.59	1.31	−27	−11	−26	− 1	− 5	+24	+ 3	−16	+ 0	−23	0	−0.33
68859	14 06 01.90	+08 30 07.2	10.21	H	211.507 925 42	+08.502 012 89		0.55	−5.91	−14.46	1.52	0.83	1.70	1.67	0.90	− 7	−12	− 5	−32	− 1	+17	+ 6	− 1	−20	−25	0	0.05
68860	14 06 02.02	+14 32 31.6	9.18	H	211.508 403 85	+14.542 119 57		8.65	2.54	−62.26	0.97	0.82	1.34	1.02	0.87	−26	−14	−22	+29	−10	− 1	− 4	+42	−35	−35	0	2.12
68861	14 06 02.18	−11 35 26.4	9.62	H	211.509 103 01	−11.590 678 01		1.46	−32.06	−18.74	1.61	0.92	1.62	1.95	1.00	−14	−17	−12	+29	+ 0	+ 7	+12	−36	+19	+12	0	0.32
68862	14 06 02.79	−41 10 46.5	4.36	G	211.511 608 40	−41.179 580 35		7.31	−24.42	−21.63	0.54	0.50	0.75	0.57	0.65	−19	−35	−13	+12	+ 3	+ 6	− 5	−17	+14	−38	0	1.03
68863	14 06 03.01	−49 16 45.5	8.76	G	211.512 532 19	−49.279 318 82		3.25	−28.52	−7.36	0.73	0.69	1.19	0.90	0.73	−17	−18	+ 7	+ 2	−14	−36	−15	+13	+ 1	+ 3	0	−1.03
68864	H 14 06 06.23	+01 30 51.0	8.62	2 H	211.525 940 50	+01.514 156 14	A	5.29	−2.29	4.64	1.66	1.01	1.68	1.75	0.99	− 5	+ 2	+25	−29	− 1	+ 5	− 4	−55	− 9	−18	1	−0.51
68865	14 06 06.87	−61 30 52.0	8.99	2 H	211.528 642 04	−61.514 431 19	A	5.51	−8.56	−7.76	1.80	1.80	2.49	1.93	1.71	+13	−34	− 5	+ 0	+16	−25	+12	+ 0	−11	+45	3	1.05
68866	14 06 07.91	−55 34 36.2	8.82	H	211.532 973 81	−55.576 723 00		1.07	5.86	10.96	0.82	0.81	1.15	0.96	0.95	+ 0	−18	− 1	+19	+ 5	−12	+ 4	+31	− 5	+11	0	−0.01
68867	14 06 08.26	−44 41 20.5	7.24	H	211.534 396 71	−44.689 039 32		5.55	−22.60	−19.68	0.65	0.56	0.85	0.72	0.65	−12	−24	+10	−14	− 9	−29	− 9	−17	+ 6	− 4	0	−0.10
68868	14 06 09.60	+09 53 43.1	8.64	G	211.539 990 14	+09.895 292 05		4.88	−51.43	23.59	0.87	0.64	1.05	0.94	0.70	−31	− 8	−15	−19	+ 3	+ 2	+11	+15	−15	−48	0	2.92
68869	14 06 09.99	−65 43 26.9	9.29	H	211.541 615 58	−65.724 141 35		10.34	31.32	−28.51	0.81	0.95	1.31	1.04	1.19	+42	−12	− 1	− 1	+10	+ 2	+ 7	+10	+ 3	+53	0	0.64
68870	14 06 10.13	+03 28 23.7	9.51	H	211.542 199 05	+03.473 245 25		9.85	8.88	5.15	1.13	0.77	1.38	1.08	0.88	−14	−37	−11	−13	+ 5	+19	− 3	−47	+ 8	−30	0	1.58
68871	14 06 10.52	−48 05 27.1	11.10	H	211.543 852 23	−48.090 863 68		−1.80	−39.79	−55.07	2.00	1.57	2.36	2.48	1.98	− 6	−20	+ 4	+10	+ 1	− 6	− 1	−18	+ 9	− 6	3	1.09
68872	14 06 10.91	−43 05 29.8	6.18	H	211.545 466 20	−43.091 619 29		5.81	−6.70	−34.15	0.60	0.50	0.75	0.66	0.63	−22	−31	+ 6	+ 3	+ 6	− 3	+ 2	−29	+10	−22	4	0.05
68873	14 06 11.26	−24 44 25.9	7.59	H	211.546 914 00	−24.740 529 26		3.43	−7.03	−6.21	0.82	0.71	1.08	1.09	0.92	−25	− 5	−29	− 1	+17	−32	+ 7	−44	+37	−34	0	0.01
68874	14 06 11.97	+49 39 04.5	8.08	H	211.549 885 11	+49.651 255 34		2.95	2.30	17.91	0.59	0.67	0.84	0.71	0.68	+12	− 4	−39	+ 9	−10	+ 9	− 8	− 5	− 2	+ 1	0	0.64
68875	14 06 11.97	−55 36 27.2	10.27	H	211.549 894 81	−55.607 568 36		6.21	22.62	−10.57	1.33	1.28	1.87	1.59	1.48	+14	−15	− 8	+26	+10	+ 2	+10	+32	− 4	+28	0	−0.17
*68876	14 06 12.25	−56 47 19.9	8.76	H	211.551 055 90	−56.788 872 31		1.92	−6.20	−2.18	0.75	0.79	1.08	0.93	0.96	− 7	−19	− 3	+18	− 6	+ 1	− 9	+39	+ 1	+ 4	0	−1.33
*68877	14 06 12.24	−54 12 24.3	8.09	H	211.550 984 79	−54.206 750 89		2.60	−16.42	−1.65	0.60	0.65	0.91	0.70	0.76	−19	−31	+13	+ 6	+ 5	−11	− 2	+19	+15	+ 2	0	0.12
68878	14 06 12.87	−11 49 57.8	8.66	H	211.553 615 06	−11.832 716 43		−0.01	−25.31	−11.14	1.27	0.73	1.31	1.42	0.79	−14	−19	−17	+39	− 1	+17	+ 8	−29	+21	+ 3	2	1.20
68879	14 06 12.94	+10 49 34.0	7.71	2 H	211.553 897 81	+10.826 116 69		0.53	−17.96	4.42	0.64	0.58	0.96	0.75	0.61	−45	+13	−31	+13	+23	−12	+15	+ 1	− 5	−53	0	0.01
68880	14 06 13.56	+22 10 03.8	7.42	H	211.556 504 56	+22.167 717 96		4.55	−12.75	−8.12	0.63	0.61	0.88	0.63	0.63	− 5	+ 5	−18	−12	−23	+ 2	−25	−13	−17	−27	0	−0.16
68881	14 06 14.49	−17 41 18.7	9.32	2 H	211.560 366 07	−17.688 516 76		11.80	−236.23	6.65	1.33	1.11	1.46	1.78	1.50	−34	− 3	−20	+ 6	+30	+ 6	+31	−64	+27	−30	0	2.26
68882	14 06 14.59	+16 26 58.5	9.32	H	211.560 788 61	+16.449 588 78		12.98	28.63	−2.90	1.05	0.89	1.33	1.29	0.96	−18	− 7	−24	+26	−13	− 2	− 9	+53	−25	−27	2	0.90
68883	14 06 14.93	+07 22 26.6	11.27	H	211.562 216 64	+07.374 055 44		2.57	−79.27	−61.52	2.22	1.58	2.72	2.55	1.63	−35	−10	+ 4	+ 5	+ 8	+14	+ 8	+ 9	−16	−47	0	0.97
68884	H 14 06 15.21	−53 00 35.7	9.16	H	211.563 373 21	−53.009 907 43	A	3.92	−36.28	2.31	1.48	1.48	2.10	1.85	1.60	−12	−21	+10	+19	− 1	+ 3	− 6	+32	+14	+30	2	0.18
68885	14 06 16.16	+50 30 17.4	11.14	H	211.567 348 71	+50.504 832 61		5.13	−17.28	24.49	1.31	1.42	1.78	1.57	1.50	+18	−13	−38	+ 6	− 3	− 4	− 9	−16	+12	+ 0	0	1.08
68886	14 06 16.17	+55 25 50.2	7.81	G	211.567 369 41	+55.430 598 12		7.95	−39.32	24.74	0.51	0.55	0.63	0.58	0.61	+20	− 9	−15	−13	− 7	− 7	− 7	+ 3	− 5	+16	0	0.83
68887	H 14 06 16.48	+21 59 56.3	9.75	H	211.568 672 83	+21.998 959 53	A	0.32	−24.65	15.38	1.89	1.64	2.32	1.75	1.49	+11	−24	−36	−15	−17	− 4	−26	−15	+ 9	−17	0	0.18
68888	14 06 17.77	−08 53 30.0	6.54	H	211.574 051 77	−08.891 665 63		9.25	−0.80	19.89	0.76	0.50	0.91	0.99	0.76	−13	−23	−30	+20	+12	−24	−16	−43	+44	−48	0	2.41
68889	H 14 06 17.85	+03 14 08.5	10.29	G	211.574 387 40	+03.235 698 59	A	22.60	−328.27	−4.10	2.87	1.75	2.90	2.44	1.80	− 2	−37	−12	−36	− 4	+16	−16	−52	+17	−21	0	0.37
68890	14 06 18.34	+23 23 18.5	8.45	H	211.576 419 30	+23.388 466 10		10.68	4.28	−11.57	0.85	0.89	1.20	0.83	0.90	−14	+14	−34	−18	−12	+ 9	−17	−27	−10	−35	0	−0.27
68891	H 14 06 19.01	−26 34 45.3	7.36	H	211.579 214 93	−26.579 244 94	*	7.70	24.53	−24.19	1.90	1.46	1.05	1.01	0.92	− 2	+ 0	−15	− 5	+16	− 8	+15	−41	+25	−41	1	0.40
68892	14 06 19.96	−06 06 09.1	9.27	H	211.583 171 94	−06.102 533 90		3.16	−9.38	8.92	1.29	0.83	1.45	1.47	1.04	−22	−10	−25	+39	+10	+ 4	+ 4	−40	+37	−26	0	0.59
68893	14 06 20.50	+48 52 51.0	7.45	H	211.585 412 49	+48.880 830 27		2.40	−9.28	13.98	0.51	0.60	0.73	0.56	0.61	+ 7	− 2	−28	− 3	+ 6	+13	− 3	−13	+11	+ 5	2	−0.53
68894	14 06 21.88	−75 43 47.5	9.28	H	211.591 164 72	−75.729 854 35		6.44	33.15	−9.05	0.73	0.74	0.96	0.96	0.84	+10	−20	+ 7	−12	+ 9	+ 9	+ 4	− 6	+ 9	+33	2	1.69
68895	14 06 22.27	−26 40 55.3	3.25	H	211.592 787 33	−26.682 018 83		32.17	43.05	−140.82	0.65	0.47	0.77	0.73	0.57	− 9	−26	−27	+24	− 5	+ 1	−11	− 8	+23	−19	0	2.00
68896	14 06 22.75	−54 54 05.0	9.80	H	211.594 786 93	−54.901 396 50		0.05	−1.65	−6.82	0.90	0.86	1.27	0.98	0.96	− 7	−27	+ 2	+16	+ 3	− 4	+ 2	+18	+ 5	+12	0	−0.46
*68897	14 06 23.97	−59 29 33.4	8.90	H	211.599 858 34	−59.492 618 27		0.64	−14.27	−51.22	1.02	0.83	1.37	1.49	1.06	+10	− 5	−12	+21	+11	+16	+14	+16	+19	+52	0	−0.30
*68898	14 06 23.89	−51 37 08.8	8.10	H	211.599 561 07	−51.619 104 37		3.91	−6.49	7.30	0.62	0.61	1.02	0.60	0.62	−17	−48	+13	+15	−11	−12	−24	+50	+16	+13	0	−0.37
68899	14 06 24.35	−04 09 49.7	8.52

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″		ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65		66	67	68-70
68801	9.866	0.019	8.871	0.014		0.859	0.018	T	0.87	0.01	L	8.9157	0.0039	0.033	141		8.88	8.98		U 2			1							S
68802	8.437	0.010	8.049	0.011		0.405	0.015	G	0.47	0.02	H	8.0788	0.0010	0.009	102		8.06	8.10		C			1							S
68803	8.483	0.011	7.333	0.007		0.988	0.010	T	0.97	0.01	L	7.3783	0.0018	0.011	74		7.36	7.40					1							S
68804	10.195	0.020	9.404	0.016		0.701	0.020	T	0.76	0.02	L	9.4582	0.0023	0.027	232		9.41	9.51					1							G
68805	8.822	0.012	8.148	0.011		0.612	0.015	G	0.68	0.01	H	8.2037	0.0018	0.013	93		8.19	8.23					1							S
68806	9.354	0.016	7.829	0.009		1.282	0.014	T	1.24	0.01	L	7.8514	0.0012	0.009	94		7.83	7.88					1							S
68807	8.436	0.012	7.350	0.008		0.939	0.011	T	0.93	0.01	L	7.3777	0.0013	0.009	75		7.36	7.39		C			1							S
68808	6.685	0.005	6.574	0.007		0.104	0.006	G	0.12	0.01	H	6.6045	0.0009	0.007	64		6.59	6.62		C			1							S
68809	9.617	0.017	8.782	0.014		0.751	0.017	T	0.79	0.01	L	8.8482	0.0016	0.014	109		8.81	8.88					1							S
68810	9.234	0.012	8.662	0.011		0.535	0.014	T	0.61	0.01	L	8.7073	0.0015	0.013	125		8.68	8.72		C			1							S
68811	8.121	0.008	7.746	0.008		0.355	0.011	T	0.42	0.01	L	7.7853	0.0012	0.010	128		7.77	7.80		C			1							S
68812	9.568	0.017	9.020	0.016		0.513	0.021	T	0.59	0.02	L	9.1168	0.0019	0.017	135		9.09	9.14		C			1							
68813	10.523	0.031	9.203	0.018		1.150	0.015	G	1.11	0.01	I	9.2047	0.0024	0.021	130		9.17	9.24					1							
68814	8.423	0.012	7.215	0.008		1.044	0.005	G	1.01	0.00	H	7.2619	0.0009	0.009	117		7.24	7.28		C			1							S
68815	7.277	0.015	5.829	0.017		1.239	0.019	T	4.10	0.05	O	5.0740	0.0138	0.141	137		4.81	5.26		U 2			1 V							S
68816	8.053	0.009	7.830	0.009		0.213	0.012	T	0.24	0.01	L	7.8863	0.0011	0.010	126		7.87	7.91					1 G							S
68817	9.287	0.011	8.970	0.012		0.304	0.018	T	0.35	0.02	L	9.0084	0.0030	0.037	194		8.96	9.07		U			1							
68818	9.985	0.026	8.558	0.014		1.205	0.023	T	1.16	0.02	L	8.5768	0.0014	0.013	93		8.56	8.60		C			1							
68819	8.835	0.013	8.248	0.011		0.548	0.015	T	0.62	0.01	L	8.3009	0.0016	0.013	96		8.28	8.33		C			1							S
68820											T	9.4380	0.0590	0.510	60		8.91	10.63		D	14054−2310	I 2	S							G
68821	8.462	0.010	8.178	0.011		0.278	0.015	G	0.32	0.02	H	8.2238	0.0018	0.014	84		8.20	8.25		C			1							S
68822	10.584	0.038	8.838	0.016		1.487	0.134	G	1.51	0.20	R	8.7811	0.0029	0.021	61		8.74	8.81		D	14054−2310	I 2	1 S							
68823	9.375	0.017	9.057	0.019		0.302	0.024	T	0.35	0.03	L	9.1043	0.0024	0.017	80		9.07	9.13		C			1							
68824	8.589	0.018	8.235	0.019	A	0.344	0.023	T	0.40	0.03	L	8.2588	0.0215	0.067	81	A	8.17	8.37		D	14055−3633	I 2	1 C P A							S
68825	9.039	0.013	7.617	0.007		1.165	0.005	G	1.13	0.01	H	7.6641	0.0009	0.012	126		7.64	7.69		C			1							S
68826	10.042	0.046	9.719	0.054	B	0.307	0.066	T	0.35	0.09	L	9.5863	0.0525			B				D	14055−3633	I 2	1 C I A							
68827	10.085	0.022	9.492	0.021		0.553	0.027	T	0.63	0.03	L	9.5749	0.0019	0.021	122		9.53	9.61		C			1							
68828	9.252	0.015	8.147	0.010		0.953	0.014	T	0.94	0.01	L	8.2216	0.0015	0.014	137		8.20	8.25					1							S
68829	8.795	0.008	8.742	0.011		0.048	0.012	T	0.06	0.01	L	8.7633	0.0024	0.026	231		8.72	8.81		U 2			1							
68830	8.922	0.020	8.244	0.018		0.580	0.015	G	0.65	0.01	H	8.3462	0.0032	0.023	71		8.30	8.38		D	14056−1805	I 2	1							S
68831	10.189	0.030	9.559	0.027	*	0.581	0.030	T	0.65	0.03	L *	9.5909	0.0018	0.018	78	*	9.55	9.63		D	14056−3916	I 1	2 C A	AS	1	0.230	0.008		0.69	0.21	
68832	10.981	0.044	9.045	0.016		1.641	0.039	T	2.17	0.10	O	8.9001	0.0067	0.059	127		8.81	9.00		U 2			1 S							
68833	9.446	0.030	8.818	0.027		0.647	0.155	G	0.71	0.14	R	8.8917	0.0032	0.032	70		8.84	8.95		D	14056−1805	I 2	1							
68834	9.135	0.026	8.720	0.027		0.356	0.020	G	0.42	0.02	H	8.8132	0.0017	0.016	80		8.79	8.84		C			1							
68835	9.163	0.013	7.807	0.008		1.160	0.015	G	1.12	0.01	H	7.8567	0.0012	0.013	124		7.83	7.87					1							S
68836	11.339	0.068	10.532	0.051	A	0.654	0.126	G	0.72	0.11	R *	10.4163	0.0037	0.052	142	*	10.33	10.53		D	14057−4910	H 1	2 C D	AB	29	1.582	0.011		0.91	0.05	G D
68837	12.482	0.220	10.119	0.036		2.100	0.510	G	2.09	0.52	J	9.6091	0.0130	0.096	165		9.48	9.75		U 2			1 V							G P
68838	9.195	0.013	8.709	0.012		0.469	0.014	T	0.54	0.01	L	8.7461	0.0017	0.017	140		8.72	8.78					1							S
68839	9.899	0.028	9.246	0.025		0.597	0.028	T	0.67	0.03	L	9.3010	0.0025	0.015	84		9.28	9.33		C			1							
68840	9.966	0.027	8.808	0.017		0.994	0.025	T	0.97	0.02	L	8.8966	0.0024	0.019	101		8.87	8.93					1							
68841	10.327	0.025	8.914	0.013		1.194	0.022	T	1.15	0.02	L	8.9478	0.0019	0.023	156		8.92	8.99		C	14058+3959	I 1	1 S							S
68842	6.483	0.005	6.229	0.004		0.225	0.005	G	0.25	0.01	H	6.2697	0.0048	0.035	135		6.22	6.32	1.21	P 1 A			1							S
68843	9.504	0.015	8.965	0.014		0.505	0.018	T	0.58	0.02	L	9.0299	0.0016	0.018	139		9.01	9.07		C			1							S
68844	9.204	0.016	8.682	0.016		0.501	0.015	G	0.57	0.02	H	8.7502	0.0021	0.015	74		8.73	8.78		C			1							
68845	9.621	0.020	9.127	0.020		0.465	0.026	T	0.54	0.03	L	9.1789	0.0021	0.018	80		9.15	9.22		C			1							S
68846	10.246	0.030	9.468	0.025		0.692	0.030	T	0.75	0.03	L	9.4992	0.0023	0.019	81		9.46	9.54		C			1							
68847	8.824	0.013	8.368	0.013		0.468	0.015	G	0.54	0.02	H	8.4106	0.0019	0.013	82		8.39	8.43		C			1							S
68848	9.851	0.025	8.630	0.015		1.043	0.023	T	1.01	0.02	L	8.6798	0.0014	0.014	87		8.66	8.70		C			1							
68849	11.638	0.090	11.310	0.122		0.335	0.072	G	0.39	0.10	R	11.2390	0.0045	0.044	104		11.16	11.30					1							G
68850	10.357	0.031	9.762	0.029		0.555	0.031	T	0.63	0.03	L	9.8504	0.0027	0.023	115		9.81	9.88		C			1							S
68851	9.716	0.018	8.489	0.012		1.080	0.015	G	1.04	0.01	H	8.5414	0.0017	0.015	127		8.52	8.57		C			1							
68852	9.893	0.020	9.249	0.018		0.591	0.020	T	0.66	0.02	L	9.3179	0.0024	0.020	133		9.29	9.36					1							
68853	7.728	0.008	7.714	0.008		0.018	0.010	T	0.04	0.01	L	7.7283	0.0015	0.013	89		7.70	7.76					1							S
68854	9.992	0.033	9.376	0.030		0.571	0.033	T	0.64	0.03	L	9.4303	0.0026	0.020	75		9.40	9.46		C			1							
68855	9.436	0.021	9.076	0.022	A	0.350	0.026	T	0.41	0.04	L	9.1071	0.0142	0.065	73	A	9.04	9.27		D	14060−1304	I 2	1 C P A							S
68856	10.191	0.034	9.673	0.033	B	0.371	0.015	G	0.43	0.02	H	9.8237	0.0231			B				D	14060−1304	I 2	1 C I A							
68857	9.939	0.025	9.503	0.026		0.412	0.033	T	0.48	0.04	L	9.5594	0.0019	0.022	94		9.52	9.60		C			1							
68858	10.791	0.046	10.008	0.036		0.695	0.044	T	0.75	0.04	L	10.1139	0.0033	0.023	102		10.08	10.15		C			1							
68859	10.562	0.043	10.203	0.049		0.340	0.061	T	0.40	0.08	L	10.2878	0.0031	0.025	92		10.25	10.33		C			1							
68860	9.913	0.023	9.210	0.020		0.648	0.025	T	0.71	0.02	L	9.3150	0.0018	0.021	110		9.27	9.36					1							
68861	10.712	0.055	9.737	0.037		0.856	0.049	T	0.87	0.04	L	9.7722	0.0025	0.019	67		9.74	9.80		C			1							
68862	4.105	0.003	4.323	0.003		−0.198	0.015	G	−0.21	0.02	A	4.2874	0.0007	0.005	75		4.28	4.30		C			1							S
68863	10.283	0.025	8.872	0.014		1.150	0.003	G	1.11	0.00	H	8.9308	0.0018	0.016	140		8.90	8.96					1							
68864	9.082	0.013	8.687	0.014	A	0.100	0.495	G	0.49	0.05	L *	8.7166	0.0029	0.022	111	*	8.69	8.77		U 2	14061+0131	I 1	2 C B	AB	142	3.962	0.037		3.20	0.20	S
68865	9.040	0.018	9.016	0.024	A	0.027	0.028	T	0.04	0.02	L	9.0084	0.0135	0.032	112	A	8.97	9.08		U	14061−6131	H 1	2 C A	AB	112	14.055	0.025		2.21	0.11	
68866	10.221	0.027	8.926	0.016		1.101	0.025	T	1.06	0.03	L	8.9908	0.0028	0.022	123		8.95	9.03		C			1							
68867	7.253	0.007	7.228	0.007		0.023	0.009	T	0.04	0.01	L	7.2521	0.0009	0.010	85		7.23	7.27					1							S
68868	8.738	0.010	8.638	0.012		0.080	0.015	G	0.09	0.02	H	8.6808	0.0018	0.018	107		8.66	8.72		C			1							S
68869	10.164	0.021	9.398	0.018		0.682	0.021	T	0.74	0.02	L	9.4301	0.0023	0.024	175		9.39	9.48					1 S							
68870	9.974	0.024	9.522	0.025		0.426	0.032	T	0.49	0.03	L	9.6060	0.0025	0.018	107		9.57	9.64		C			1							
68871	11.746	0.166	11.192	0.166		0.519	0.210	T	0.59	0.22	L	11.2123	0.0053	0.037	75		11.13	11.27		C			1							G
68872	7.440	0.005	6.298	0.004		0.986	0.006	G	0.97	0.01	H	6.3448	0.0009	0.006	90		6.34	6.35					1							S
68873	9.689	0.020	7.767	0.009		1.630	0.018	T	1.79	0.06	O	7.6832	0.0019	0.014	79		7.66	7.71					1							S
68874	9.611	0.017	8.205	0.010		1.188	0.015	T	1.15	0.01	L	8.2414	0.0017	0.013	130		8.22	8.27					1							S
68875	10.737	0.040	10.237	0.043		0.470	0.053	T	0.54	0.06	L	10.3675	0.0058	0.045	123		10.30	10.44					1							G
68876	8.827	0.012	8.764	0.015		0.057	0.017	T	0.07	0.01	L	8.7859	0.0020	0.019	120		8.76	8.82		C			1							
68877	8.052	0.008	8.096	0.010		−0.036	0.012	T	−0.01	0.01	L	8.0882	0.0013	0.013	122		8.06	8.11		C			1							
68878	10.746	0.048	8.831	0.017		1.590	0.040	T	1.61	0.04	L	8.7796	0.0015	0.011	73		8.76	8.80					1							
68879	9.844	0.018	7.900	0.007		1.613	0.015	T	1.63	0.01	L	7.8214	0.0022	0.018	157		7.78	7.85		U 2			1							S
68880	8.785	0.011	7.535	0.007		1.050	0.015	G	1.02	0.01	H	7.5900	0.0011	0.011	101		7.57	7.60					1							S
68881	10.362	0.045	9.425	0.031		0.792	0.004	G	0.83	0.00	H	9.4603	0.0214	0.097	62		9.34	9.67	0.31	P 1 A			1 S							
68882	10.027	0.027	9.412	0.024		0.573	0.032	T	0.65	0.03	L	9.4438	0.0026	0.023	99		9.41	9.48		C			1							
68883	11.838	0.112	11.071	0.090		0.699	0.112	T	0.76	0.09	L	11.4105	0.0051	0.051	127		11.32	11.50					1							G
68884	9.979	0.022	9.279	0.019	A	0.700	0.495	G	0.70	0.03	L *	9.2881	0.0026	0.026	137	*	9.24	9.34		D	14063−5301	I 1	2 C A	AB	232	8.745	0.025		2.66	0.11	
68885	11.411	0.077	11.149	0.100		0.249	0.119	T	0.28	0.15	L	11.2062	0.0049	0.043	119		11.14	11.30		C			1							G
68886	8.319	0.008	7.854	0.008		0.451	0.015	G	0.52	0.02	H	7.9108	0.0014	0.011	131		7.89	7.93		C			1							S
68887	10.366	0.039	9.803	0.036	A	0.631	0.126	G	0.70	0.11	R *	9.8831	0.0025	0.024	96	*	9.84	9.92			14063+2200	H 1	2 C D	AB	124	1.117	0.089		3.62	0.35	D
68888	6.561	0.004	6.529	0.004		0.018	0.005	G	0.01	0.02	A	6.5448	0.0007	0.005	86		6.54	6.56		C			1							S
68889	11.753	0.102	10.387	0.050	A	1.177	0.008	G	1.29	0.01	I *	10.4009	0.0029	0.026	113	*	10.36	10.44		D	14063+0314	I 1	2 C A	AB	276	2.004	0.030		2.41	0.10	
68890	8.976	0.013	8.517	0.013		0.493	0.015	G	0.57	0.02	H	8.5628	0.0018	0.014	83		8.54	8.59					1							S
68891	7.720	0.008	7.413	0.009	*	0.293	0.013	T	0.33	0.02	L *	7.4316	0.0013	0.010	88	*	7.42	7.45		D	14063−2635	I 1	2 C A	AB	131	0.256	0.007		0.09	0.09	S
68892	11.018	0.052	9.404	0.022		1.352	0.045	T	1.32	0.05	L	9.4222	0.0024	0.019	98		9.38	9.46		C			1							
68893	9.262	0.013	7.589	0.007		1.398	0.012	T	1.37	0.01	L	7.5928	0.0012	0.012	150		7.57	7.61					1							S
68894	9.745	0.019	9.341	0.020		0.395	0.023	T	0.46	0.03	L	9.3706	0.0023	0.020	134		9.33	9.40					1							
68895	4.699	0.003	3.382	0.002		1.091	0.055	G	1.10	0.02	A	3.4187	0.0005	0.004	84		3.41	3.43					1							S
68896	9.949	0.024	9.845	0.032		0.101	0.037	T	0.11	0.04	L	9.8407	0.0031	0.029	122		9.79	9.88			14064−5454	I 1	1							G
68897	10.671	0.048	9.104	0.022		1.315	0.042	T	1.28	0.05	L	9.0589	0.0024	0.021	109		9.02	9.11					1							
68898	8.627	0.009	8.146	0.008		0.465	0.009	T	0.54	0.01	L	8.2031	0.0012	0.013	168		8.18	8.24					1							
68899	10.051	0.023	8.653	0.013		1.182	0.021	T	1.14	0.02	L	8.6832	0.0017	0.018	108		8.65	8.72		C			1							S
68900	11.234	0.080	10.216	0.053		1.023	0.010	G	1.07	0.01	I	10.1748	0.0038	0.024	66		10.11	10.21					1							

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)										Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
68901	14 06 24.95	+07 00 17.4	7.15	H	211.603 975 21	+07.004 830 72	4.67	22.12	−20.18	0.79	0.46	0.91	0.85	0.48	−26	− 4	+ 4	+ 3	+27	+ 2	+26	+ 3	− 9	−49	0	1.09
68902	14 06 25.16	−59 42 57.2	6.39	1 H	211.604 835 87	−59.715 902 50	−0.05	−3.26	−1.17	0.56	0.51	0.76	0.73	0.56	+17	−18	−11	+26	+23	+ 9	+19	+22	+19	+41	2	−0.16
68903	14 06 25.44	+27 43 35.1	8.10	G	211.605 993 81	+27.726 412 38	11.81	−40.97	27.25	0.58	0.60	0.88	0.74	0.62	−18	− 1	−23	− 7	− 6	− 3	− 6	+19	−14	−20	1	−0.05
68904	14 06 26.13	+30 50 48.5	7.58	2 H	211.608 894 56	+30.846 809 12	10.40	28.48	−135.60	0.55	0.55	0.84	0.82	0.56	−25	+16	−26	+32	−10	+ 2	−12	+25	−14	−22	1	1.89
68905	14 06 26.85	+38 25 03.2	7.97	G	211.611 856 60	+38.417 563 04 A	3.90	11.09	−0.83	1.03	1.51	1.52	1.08	1.45	+32	− 2	− 7	− 7	− 5	− 6	− 9	−27	− 1	+14	0	1.89
68906 H	14 06 27.20	−02 48 41.0	9.63	H	211.613 351 71	−02.811 398 71 A	3.72	−10.74	−10.24	6.15	3.15	3.70	5.03	2.44	− 9	− 8	−10	−46	−35	+17	−36	−45	+25	+36	1	−0.40
68907	14 06 27.89	+38 25 16.3	10.69	H	211.616 190 77	+38.421 196 54 B	−0.89	5.91	7.47	19.69	32.37	14.92	9.45	13.89	+36	− 9	−13	− 3	− 5	− 3	−11	−28	+ 6	+11	0	1.89
68908	14 06 27.99	+37 49 41.6	10.68	3 H	211.616 641 93	+37.828 225 87	1.15	−19.30	−15.63	0.81	1.14	1.69	0.91	1.26	+36	− 2	+ 5	+23	−13	−16	−18	−23	−18	+24	0	0.76
68909	14 06 28.98	−39 59 11.6	8.06	H	211.620 740 86	−39.986 553 96	2.71	−14.88	−11.41	0.94	0.70	1.25	0.85	0.92	− 7	−47	− 8	− 3	− 3	−13	−18	−16	+26	−27	0	1.34
68910	14 06 29.09	−50 31 48.3	10.75	H	211.621 201 10	−50.530 096 09	−0.23	−23.84	−12.18	1.57	1.52	2.47	2.04	1.59	− 4	− 9	+ 9	+19	−10	−25	−13	+45	− 5	+27	1	1.39
68911	14 06 29.48	+05 13 58.1	10.30	H	211.622 826 79	+05.232 799 73	4.12	−17.49	5.41	1.47	1.05	1.77	1.32	1.05	−39	−39	+11	− 5	+11	+ 7	+ 4	−13	+12	−42	2	0.42
68912	14 06 29.53	+40 51 44.1	10.26	H	211.623 058 32	+40.862 248 82	1.43	−43.18	12.33	1.04	1.22	1.67	1.33	1.30	+33	−20	−31	−32	−26	+16	−23	−34	+17	+ 7	2	−0.07
68913	14 06 29.60	+16 58 12.7	6.54	2 H	211.623 335 43	+16.970 199 74	2.88	− 4.90	12.47	0.63	0.56	0.89	0.74	0.62	−26	− 7	−27	+27	+ 1	−24	− 6	+24	− 8	−45	0	0.16
68914	14 06 29.83	−20 04 22.5	8.75	H	211.624 283 60	−20.072 917 25	16.25	−103.44	8.79	1.32	0.89	1.59	1.91	1.39	+ 2	−25	−33	+11	− 1	−22	−18	−35	+50	−11	0	0.92
68915	14 06 30.05	−34 53 55.3	6.84	2 H	211.625 202 90	−34.898 701 24	2.38	−24.34	− 6.53	0.69	0.54	0.96	0.88	0.80	−17	−14	−16	+20	+ 3	− 2	+ 0	−28	+48	− 7	2	−0.69
68916	14 06 30.80	−33 20 57.5	9.11	G	211.628 323 46	−33.349 312 03	8.65	−292.59	−155.27	1.22	1.09	1.50	1.82	1.68	−30	+ 0	− 3	− 4	+ 9	−16	+ 8	−45	+19	−33	0	−1.09
68917	14 06 32.69	+25 43 03.6	9.58	H	211.636 211 12	+25.717 662 43	6.20	41.10	−43.10	1.18	1.05	1.58	1.27	1.12	−18	−14	−35	−31	+ 7	−14	+ 1	−31	+26	−51	0	0.62
68918	14 06 33.24	−17 27 22.2	7.68	1 H	211.638 490 50	−17.456 178 00	0.88	11.52	1.11	0.96	0.82	1.14	1.17	1.08	−26	−17	−28	+18	+26	+21	+25	−61	+28	−31	0	−0.27
68919	14 06 33.37	+17 54 43.3	7.70	G	211.639 031 93	+17.912 037 43	3.29	−56.33	−10.28	0.69	0.59	0.97	0.80	0.65	−23	−16	−24	+23	+ 2	−27	− 2	+26	− 8	−43	0	−0.81
68920	14 06 33.71	−39 54 54.0	8.78	H	211.640 449 21	−39.914 993 26	8.05	−89.27	− 2.19	1.07	0.81	1.42	1.00	1.06	− 9	−42	− 4	− 5	− 6	−12	−19	−13	+28	−25	0	−0.15
68921	14 06 34.14	−10 05 47.3	9.01	H	211.642 240 71	−10.096 478 91	−1.01	− 5.94	− 2.58	1.25	0.87	1.47	1.50	1.14	−14	−26	−31	+39	+10	−12	− 5	−50	+50	−23	0	0.21
68922	14 06 36.17	+30 16 20.4	9.35	H	211.650 717 85	+30.272 344 00	5.18	− 3.67	−33.70	0.95	0.71	1.07	1.20	0.73	−17	+10	−17	+ 2	− 5	−11	− 7	+ 0	− 9	−26	2	2.35
68923	14 06 37.84	+27 06 59.6	9.51	G	211.657 678 50	+27.116 559 41	3.15	−20.09	2.71	0.81	0.88	1.30	1.05	0.95	−24	+15	−21	+ 2	−10	+ 3	− 7	+ 6	+ 4	−26	0	1.42
68924	14 06 37.94	−41 18 22.4	8.88	H	211.658 097 98	−41.306 220 29	4.06	1.41	−42.65	1.06	0.89	1.42	1.30	1.19	−23	−23	−18	+14	+ 3	+ 4	− 5	−36	+26	−31	0	−0.32
68925	14 06 38.99	+08 30 05.0	9.15	H	211.662 465 86	+08.501 382 19	−0.58	−13.60	16.51	1.20	0.67	1.38	1.36	0.73	− 8	−24	−11	−40	− 3	+25	+ 8	− 8	−22	−27	0	−0.07
68926	14 06 39.46	−54 00 23.6	8.71	H	211.664 416 82	−54.006 566 05	5.49	−38.56	− 9.04	0.70	0.80	1.11	0.99	0.92	−11	−16	+ 6	+22	+20	− 4	+17	+ 4	+24	+18	0	1.69
68927	14 06 39.83	+37 15 42.3	8.90	H	211.665 964 11	+37.261 740 70	4.99	4.94	−36.29	0.70	0.80	1.17	0.84	0.93	+21	− 2	− 1	−22	− 7	− 8	− 6	−16	−14	+ 4	0	0.38
68928	14 06 40.34	+28 29 02.5	10.71	G	211.668 096 58	+28.484 019 46	0.90	− 5.78	−17.61	1.38	1.32	1.99	1.55	1.50	− 7	−10	−19	−39	− 6	+ 1	− 5	+ 5	+16	−14	0	−1.90
68929	14 06 40.65	−42 33 11.4	8.80	H	211.669 394 67	−42.553 165 44	2.65	−24.60	−10.03	0.92	0.74	1.16	0.92	0.90	−16	−43	+ 5	+ 0	− 3	+ 2	− 9	− 5	+11	−21	0	0.60
68930	14 06 40.66	−46 35 15.0	8.66	H	211.669 409 64	−46.587 501 74	2.50	−19.89	− 0.59	1.00	0.68	1.18	0.99	0.88	− 2	−53	− 7	+13	+ 0	− 6	−13	−11	+22	−13	0	−0.35
68931	14 06 41.25	−30 16 00.5	10.62	H	211.671 858 37	−30.266 792 19	4.37	−14.45	−17.06	1.84	1.17	2.05	1.97	1.46	−17	−27	− 1	+26	− 1	+16	− 6	− 5	+13	−21	4	0.80
68932	14 06 41.26	+53 18 43.9	7.13	H	211.671 930 99	+53.312 195 61	5.31	4.34	44.47	0.52	0.53	0.65	0.53	0.55	+18	−18	−20	− 2	− 9	+ 4	−10	−11	+ 7	+ 3	0	−0.14
∗68933	14 06 41.32	−36 22 07.3	2.06	G	211.672 186 08	−36.368 695 75	53.52	−519.29	−517.87	0.62	0.49	0.79	0.69	0.62	−20	−25	− 5	+16	− 1	−10	− 7	− 9	+32	−15	4	1.04
∗68934	14 06 41.29	−58 04 46.0	8.74	H	211.672 037 57	−58.079 458 23	2.28	−13.94	− 4.58	0.90	0.82	1.21	1.08	1.02	+11	−35	−16	+24	+ 4	−10	+ 0	+30	+ 6	+10	0	1.68
∗68935	14 06 41.60	+34 46 42.9	7.02	H	211.673 321 92	+34.778 576 98 A	7.01	15.85	− 4.12	0.76	0.76	0.98	0.85	0.79	− 7	+15	− 7	− 6	−13	− 4	−10	− 2	− 2	−21	2	1.51
∗68936	14 06 41.52	−05 31 05.2	8.35	G	211.672 997 13	−05.518 110 53	26.14	−409.69	−92.54	1.12	0.57	1.18	1.18	0.68	− 7	−34	−18	+43	+ 3	+ 1	− 8	−25	+34	−12	0	−0.73
68937	14 06 41.65	−14 12 17.4	6.57	2 H	211.673 537 11	−14.204 845 49	5.29	− 6.89	−17.15	0.81	0.53	0.85	0.96	0.65	−18	−21	− 8	+27	−10	+ 2	−13	− 1	+10	−22	0	0.95
68938	14 06 41.90	−41 44 32.9	8.74	H	211.674 596 42	−41.742 482 92	0.95	− 4.85	− 6.70	0.91	0.76	1.24	1.06	1.01	−15	−26	−14	+ 8	+ 4	+15	+ 0	−29	+16	−22	0	−1.02
68939	14 06 42.02	+15 24 23.2	10.81	H	211.675 087 91	+15.406 443 65	1.90	6.31	−56.45	1.45	1.24	2.11	1.63	1.34	−22	+ 0	−20	+11	− 6	+ 8	− 2	+32	−23	−34	3	0.71
68940	14 06 42.91	−09 18 48.7	5.46	H	211.678 777 19	−09.313 525 09	18.22	−140.62	4.05	0.87	0.53	1.07	0.96	0.75	− 1	−40	−36	+34	+15	− 8	−17	−51	+56	−28	0	−0.08
68941	14 06 43.89	+43 02 54.0	10.24	H	211.682 860 57	+43.048 346 70	3.04	6.84	− 5.39	0.92	1.12	1.48	1.11	1.19	+14	+ 5	−17	+ 3	−20	+ 0	−22	−17	+ 8	− 8	0	2.06
∗68942	14 06 45.07	−56 50 51.0	8.31	H	211.687 793 06	−56.847 495 56	2.96	−26.23	− 7.53	0.72	0.70	1.00	0.83	0.87	− 3	−23	− 7	+12	− 6	− 2	− 8	+30	+ 1	+ 4	0	1.16
∗68943	14 06 45.07	−14 05 43.2	8.38	H	211.687 791 36	−14.095 327 07	6.54	8.52	24.37	1.07	0.67	1.08	1.29	0.79	−25	−15	+ 7	+40	−10	− 2	−11	− 1	+ 7	−23	0	−0.19
68944 H	14 06 46.34	+59 46 16.9	9.48	H	211.693 083 32	+59.771 374 11 A	9.39	−15.49	−33.47	1.64	1.69	1.69	1.67	1.82	+17	−10	− 8	− 1	− 2	−12	− 1	+ 2	− 2	− 1	0	−0.70
68945	14 06 47.34	−62 22 27.3	7.26	2 H	211.697 249 62	−62.374 260 25	1.95	−12.23	− 7.41	0.46	0.62	0.91	0.55	0.64	+28	−23	−22	+17	+17	− 6	+11	+ 4	+17	+39	0	0.72
68946	14 06 48.37	+14 46 49.7	10.50	H	211.701 544 12	+14.780 459 68	0.07	−37.82	−26.30	1.31	1.18	1.82	1.42	1.26	−37	−18	−16	+ 6	−12	+15	− 2	+33	−31	−50	2	−0.74
68947	14 06 49.49	+59 45 34.9	9.25	G	211.706 200 36	+59.759 695 32	7.92	−15.84	−35.43	0.82	0.86	0.98	0.95	0.97	+15	+ 0	−12	− 9	− 5	−12	− 5	+ 5	+ 1	+ 1	2	0.75
68948	14 06 49.72	−53 13 38.3	8.73	H	211.707 153 32	−53.227 296 93	2.95	−18.46	− 5.07	0.70	0.68	1.09	0.84	0.75	− 4	−23	+ 8	+11	− 2	−14	− 7	+23	+16	+23	0	−1.96
68949	14 06 51.79	−04 58 48.6	8.28	H	211.715 804 88	−04.980 157 62	4.84	25.15	3.09	1.09	0.55	1.14	1.14	0.67	− 6	−36	−12	+33	+ 5	− 1	− 9	−32	+36	−11	0	−0.13
68950	14 06 53.31	−50 18 39.5	8.38	H	211.722 127 30	−50.310 974 97	16.02	−38.45	4.61	0.73	0.68	1.09	0.80	0.72	− 8	−28	+12	+12	− 9	−26	−12	+37	+ 3	+14	0	0.28
68951	14 06 53.88	+06 09 56.5	10.62	H	211.724 502 58	+06.165 681 26	5.69	−70.47	−93.08	1.60	0.83	1.79	1.57	0.86	−24	−37	+ 8	+19	+21	− 1	+19	− 1	−13	−44	0	−1.58
68952	14 06 53.95	+00 57 11.0	7.95	H	211.724 793 35	+00.953 045 52	2.87	−26.60	−52.74	0.97	0.56	1.09	1.03	0.65	− 5	−36	−15	−27	−13	+15	−14	−22	+ 9	−22	0	0.89
68953	14 06 54.32	−25 57 29.7	8.64	H	211.726 316 09	−25.958 245 37	7.31	−44.09	− 5.18	0.94	0.77	1.27	1.05	0.96	−14	−20	−42	+16	+15	+ 7	+ 9	−55	+44	−20	0	1.09
68954	14 06 54.56	−76 04 19.6	9.05	H	211.727 338 27	−76.072 109 61	4.92	12.22	3.16	0.67	0.76	0.91	0.89	0.88	+10	−14	+15	− 3	+ 7	− 1	+ 5	+ 2	+ 1	+33	1	0.11
68955	14 06 55.88	+28 26 16.9	6.89	G	211.732 818 32	+28.438 039 14	5.71	−71.53	1.74	0.63	0.52	0.80	0.68	0.57	− 5	− 7	−13	−49	− 8	+ 0	− 6	+ 7	− 5	−10	0	−0.60
68956	14 06 56.48	+74 35 37.5	6.43	H	211.735 343 16	+74.593 750 41	7.45	−53.19	12.74	0.47	0.48	0.53	0.54	0.58	− 5	−19	−16	−18	+ 2	− 7	+ 0	−17	+ 6	−25	0	−0.02
68957	14 06 57.28	+20 11 59.0	10.23	H	211.738 660 77	+20.199 724 69	5.43	0.24	−43.07	1.40	1.09	1.81	1.65	1.16	− 4	−16	−19	+ 2	− 1	− 6	+ 0	+17	−10	−12	0	1.95
68958	14 06 58.26	−47 35 21.0	6.99	H	211.742 748 82	−47.589 167 40	4.65	−16.40	−15.36	0.61	0.51	0.75	0.62	0.66	−14	−35	− 8	+12	− 7	− 3	−12	+ 1	+12	−29	0	1.66
68959	14 06 58.43	−56 30 21.8	8.67	H	211.743 443 08	−56.506 059 35	5.11	−45.18	−36.56	0.74	0.72	1.04	1.02	0.95	− 4	−11	+ 0	+15	− 2	+ 8	− 3	+20	+ 3	+12	0	−0.46
68960	14 07 01.55	−68 34 07.5	9.60	G	211.756 448 35	−68.568 749 59	−1.65	− 8.00	− 4.72	0.84	0.94	1.30	0.90	1.13	+14	−18	+ 8	+14	+ 6	−22	+ 6	+30	+ 4	+23	1	0.03
68961 H	14 07 01.94	−27 21 10.3	7.47	H	211.758 085 54	−27.352 867 07 A	5.01	13.82	14.47	0.98	0.91	1.11	1.04	0.85	− 8	−29	−28	+12	− 1	− 1	−11	−33	+46	− 8	0	−0.37
68962	14 07 02.93	+52 12 44.3	8.32	H	211.762 221 64	+52.212 310 99	2.52	16.32	5.34	0.61	0.63	0.78	0.86	0.76	+10	+ 0	−17	+10	−13	+15	−10	−11	− 2	+ 8	1	0.05
∗68963	14 07 05.01	+40 46 05.3	9.05	H	211.770 890 83	+40.768 150 61	8.62	15.81	8.89	0.73	0.85	1.15	0.92	0.93	+29	−11	−20	−27	−22	+ 9	−20	−27	+10	+11	1	−1.25
∗68964	14 07 04.88	−63 26 43.2	6.78	G	211.770 345 12	−63.445 325 55	1.39	− 8.86	− 6.47	0.37	0.51	0.77	0.42	0.54	+42	−15	−17	+19	+18	−15	+15	− 2	+ 2	+42	1	0.21
68965	14 07 07.51	−31 24 01.2	7.70	G	211.781 301 86	−31.400 335 19	6.83	−56.08	−12.73	0.75	0.63	0.94	0.94	0.77	−31	−17	− 2	+11	+ 1	+17	+ 4	−15	− 4	−23	0	−0.13
68966	14 07 08.05	−35 29 30.8	7.18	H	211.783 546 79	−35.491 892 53	4.83	−19.37	− 2.89	0.70	0.57	0.95	0.94	0.81	−15	−17	−17	+ 1	+ 1	−11	− 6	−24	+44	− 6	0	1.50
68967	14 07 08.09	−08 26 22.0	7.82	H	211.783 726 71	−08.439 440 78	12.18	−81.47	13.59	0.96	0.61	1.12	1.02	0.86	−11	−46	−23	+20	+14	−17	−14	−33	+32	−49	0	−0.67
68968	14 07 09.64	−19 17 03.4	8.10	H	211.790 168 09	−19.284 280 81	3.37	21.70	−12.34	1.14	0.78	1.27	1.70	1.23	− 9	−13	−24	+32	− 8	−12	−16	−19	+42	−18	0	−0.77
68969	14 07 11.67	+46 50 10.2	8.42	H	211.798 634 95	+46.836 177 98	10.73	−81.98	29.44	0.62	0.79	0.92	0.75	0.74	+20	−16	−30	− 7	−25	+21	−24	−35	+ 7	− 5	1	0.12
68970	14 07 13.87	−16 11 25.6	7.28	H	211.807 795 11	−16.190 453 57	4.33	−40.70	− 5.71	0.87	0.59	0.91	1.07	0.74	−22	−12	−14	+47	+ 3	+19	+ 3	−11	+12	−24	0	−0.72
68971	14 07 13.96	+23 08 56.6	9.44	H	211.808 158 38	+23.149 068 64	7.11	−42.97	13.38	1.04	1.08	1.42	1.00	1.13	−15	+11	−35	−21	−15	+ 8	−21	−27	+ 4	−50	0	1.05
68972 H	14 07 14.27	−74 29 23.8	8.40	H	211.809 456 01	−74.489 936 40 A	5.73	−26.20	− 9.49	0.93	0.88	1.09	0.95	0.97	+13	−19	−14	+ 5	+29	−29	+27	+19	− 9	+25	2	0.14
68973	14 07 15.01	−64 05 45.5	9.02	1 H	211.812 549 81	−64.095 959 52	2.94	1.85	4.70	0.62	0.82	1.24	0.81	1.00	+47	− 9	− 6	+20	+24	+13	+24	+14	+20	+41	1	1.80
68974 H	14 07 16.00	+25 05 29.6	10.26	H	211.816 684 96	+25.091 551 63 A	3.29	19.64	−18.80	3.71	3.46	4.63	3.35	3.01	+ 2	−25	−55	−27	− 9	+20	−16	−55	+36	−37	1	0.14
68975	14 07 16.04	−59 06 01.3	9.36	H	211.816 826 58	−59.100 366 13	3.99	− 7.46	− 1.08	1.00	0.90	1.36	1.28	1.01	− 4	−24	− 5	+25	− 5	−13	− 7	+33	+ 5	+10	0	0.00
68976 H	14 07 16.15	−46 11 36.3	10.28	G	211.817 281 39	−46.193 420 16 A	4.59	−51.84	−25.71	2.50	2.00	2.59	3.20	2.00	−16	−13	− 8	− 7	+ 1	−19	− 4	−25	+24	+ 5	1	−0.12
68977	14 07 18.88	−49 39 43.8	8.20	H	211.828 652 05	−49.662 159 38	4.51	− 5.40	−10.25	0.68	0.69	1.10	0.87	0.73	−13	−21	+ 8	+18	− 8	−35	− 7	+16	+ 8	+ 6	0	−1.13
68978	14 07 19.22	−59 30 41.7	9.03	H	211.830 099 16	−59.511 576 43	1.11	−11.51	− 4.91	1.02	0.85	1.31	1.42	0.98	+20	− 2	−15	+28	+ 9	+23	+14	+23	+17	+47	0	0.95
68979	14 07 19.32	−63 26 07.5	8.88	1 H	211.830 510 58	−63.435 405 09	4.93	−17.16	− 4.29	0.58	0.82	1.21	0.66	0.86	+44	−14	−12	+22	+21	−11	+19	+10	+ 5	+47	2	−0.75
68980	14 07 19.51	−77 49 59.2	8.52	H	211.831 307 96	−77.833 109 54	6.96	−17.43	−26.16	0.65	0.68	0.80	0.77	0.78	+13	+ 0	+14	+23	+22	+ 2	+22	+22	+ 6	+27	0	−0.25
68981	14 07 20.42	−23 53 34.4	9.33	G	211.835 095 56	−23.892 897 26	7.54	−25.07	− 4.28	1.14	0.80	1.52	1.47	1.25	−11	−23	−29	+11	+12	−26	−15	−43	+49	−45	0	−1.39
68982	14 07 21.07	+42 05 54.8	7.20	1 H	211.837 796 35	+42.098 562 58	5.91	11.93	−22.22	0.50	0.60	0.79	0.58	0.59	+16	− 8	−24	+ 6	−25	+15	−23	− 7	+10	+ 0	1	−1.32
68983	14 07 22.09	+22 27 45.0	9.25	H	211.842 033 94	+22.462 497 56	6.72	−53.87	26.48	0.94	0.86	1.21	0.95	0.91	− 9	− 5	−18	−14	−23	+ 8	−22	−10	−10	−38	2	0.53
68984	14 07 22.87	+56 43 16.0	8.55	H	211.845 312 34	+56.721 118 25	8.11	−44.96	− 8.36	0.57	0.66	0.73	0.68	0.74	+ 6	− 7	−12	+ 5	− 4	− 4	− 5	+ 2	+ 2	−13	0	−1.18
68985	14 07 25.13	−61 21 16.5	9.91	2 G	211.854 713 29	−61.354 590 42	1.16	− 7.37	− 7.06	1.34	1.08	1.73	1.44	1.15	+28	−24	−22	+ 0	+22	−15	+15	+ 6	+ 3	+53	0	1.21
68986	14 07 25.40	+12 35 39.4	9.17	G	211.855 819 38	+12.594 268 91	12.10	147.58	−57.74	1.05	0.83	1.39	1.12	0.86	−41	−14	−25	+42	− 4	− 9	− 6	+27	−30	−48	0	−0.68
68987	14 07 26.05	+52 45 11.0	8.43	H	211.858 545 67	+52.753 068 78	6.38	23.07	−12.22	0.62	0.62	0.76	0.77	0.65	+14	−11	−19	+18	− 5	+15	− 7	−14	+ 0	− 7	0	0.39
68988	14 07 26.79	−53 31 22.2	8.71	H	211.861 604 62	−53.522 845 42	0.30	− 9.06	−10.18	0.74	0.73	1.14	0.82	0.77	− 9	−32	+14	+11	− 3	−17	− 9	+25	+15	+17	0	−1.76
68989	14 07 27.09	−18 46 15.5	9.10	H	211.862 865 17	−18.770 959 93	6.92	11.09	7.09	1.30	0.88	1.31	2.17	1.22	+ 0	− 3	−23	+15	− 4	− 1	+ 6	−47	+28	+20	0	−2.02
68990	14 07 27.37	+41 35 00.4	9.92	G	211.864 035 49	+41.583 445 28	15.00	−253.63	164.04	0.79	0.98	1.30	0.93	0.99	+20	−24	−29	−16	−18	+13	−15	−20	+ 8	− 1	0	1.36
68991	14 07 28.29	−45 36 04.8	9.04	H	211.867 891 93	−45.601 339 48	17.12	−169.39	−23.61	1.18	0.82	1.29	1.28	0.94	+ 8	+ 1	+ 8	−52	−17	−31	−16	−39	+ 9	+ 6	2	−0.22
68992	14 07 28.81	−57 07 42.2	9.43	H	211.870 045 33	−57.128 382 27	−2.36	− 3.80	− 0.80	1.03	0.88	1.28	1.15	1.06	+ 0	−16	+ 8	+28	− 6	−10	− 6	+26	− 1	+ 7	1	1.17
68993	14 07 29.08	−10 19 25.1	8.03	H	211.871 162 21	−10.323 626 18	2.03	−57.05	− 6.59	1.04	0.68	1.18	1.09	0.90	− 3	−37	−29	+33	+17	−23	−12	−49	+48	−30	0	0.01
68994	14 07 29.38	−61 33 43.9	7.76	H	211.872 400 54	−61.562 204 36	15.05	−69.87	−30.11	0.76	0.65	1.05	0.92	0.75	+15	−18	− 7	− 7	+17	−10	+ 9	+ 3	+ 8	+53	1	0.24
68995	14 07 30.65	−64 28 08.8	8.82	1 G	211.877 712 21	−64.469 097 97	1.95	− 5.32	− 3.32	0.68	0.87	1.30	0.84	1.05	+54	+ 2	+ 6	+20	+33	+10	+31	+25	+13	+64	0	−0.72
68996	14 07 33.30	−40 39 04.0	7.83	H	211.888 768 71	−40.651 099 07	0.81	7.44	−12.38	0.90	0.67	1.23	0.79	0.84	−10	−52	− 8	− 1	− 2	−11	−23	−26	+32	−31	0	−0.11
68997	14 07 33.45	−01 04 37.9	8.16	H	211.889 368 39	−01.077 189 10	2.65	−29.58	−33.11	0.89	0.66	1.10	0.96	0.81	−25	−26	− 7	− 8	− 2	+15	−12	−35	+10	−44	0	−0.28
68998	14 07 33.55	−54 15 49.9	8.16	2 H	211.889 783 56	−54.263 871 49	4.03	−33.26	−10.17	0.68	0.71	1.00	0.78	0.77	−16	−23	+ 9	+15	+ 7	−16	+ 4	+ 9	+20	+ 6	0	−0.48
68999	14 07 33.99	−40 14 43.6	8.80	H	211.891 614 84	−40.245 433 37	10.55	−40.34	33.14	1.12	0.78

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
68901	8.560	0.009	7.267	0.006		1.100	0.008	T	1.06	0.01	L	7.3219	0.0009	0.010	137		7.31	7.34					1							S
68902	6.516	0.004	6.436	0.005		0.079	0.006	T	0.25	0.03	C	6.4556	0.0016	0.016	115		6.43	6.48		U 2			1							S
68903	8.556	0.009	8.140	0.009		0.379	0.014	G	0.44	0.01	H	8.1847	0.0012	0.013	144		8.17	8.21		C			1							S
68904	8.929	0.011	7.727	0.007		1.029	0.010	T	1.00	0.01	L	7.7460	0.0047	0.041	166		7.69	7.83		U 2 C			1							S
68905	9.107	0.012	8.093	0.009	A	0.890	0.015	G	0.90	0.01	H	8.1459	0.0074	0.033	222	A	8.10	8.19		D	14065+3825	I 2	1 C P A							S
68906	10.200	0.027	9.728	0.028	*	0.445	0.036	T	0.51	0.04	L *	9.7341	0.0022	0.020	132	*	9.69	9.77		D	14065−0249	I 1	2 C A	AB	75	0.436	0.009	0.32	0.03	
68907	10.901	0.038	10.348	0.038	B	0.518	0.048	T	0.59	0.05	L	10.7431	0.0680			B				D	14065+3825	I 2	1 C I A							
68908	10.898	0.033	10.526	0.037		0.352	0.046	T	0.41	0.05	L	10.7810	0.0306	0.304	215		10.14	11.01	0.55	P 1 A			1							G
68909	9.888	0.023	8.196	0.011		1.413	0.020	T	1.39	0.03	L	8.1999	0.0009	0.011	83		8.18	8.22		D			1							
68910	11.181	0.066	10.822	0.077		0.340	0.095	T	0.40	0.13	L	10.8316	0.0047	0.045	124		10.77	10.91					1							G
68911	10.846	0.042	10.345	0.044		0.471	0.055	T	0.54	0.06	L	10.4002	0.0040	0.035	108		10.35	10.45		C			1							
68912	11.361	0.058	10.315	0.036		0.909	0.051	T	0.91	0.04	L	10.4160	0.0028	0.027	138		10.37	10.47		C			1							
68913	8.672	0.011	6.779	0.005		1.606	0.010	T	2.44	0.03	O	6.5764	0.0051	0.055	104		6.52	6.69		U 2			1 S							S P
68914	9.456	0.023	8.818	0.021		0.587	0.023	T	0.66	0.02	L	8.8738	0.0027	0.017	60		8.85	8.92		C			1							S
68915	8.863	0.013	7.052	0.006		1.538	0.012	T	2.21	0.04	O	6.9006	0.0041	0.029	83		6.86	6.94		U 2			1 S							S P
68916	9.835	0.026	9.151	0.022		0.609	0.003	G	0.68	0.00	H	9.2454	0.0021	0.016	77		9.22	9.28		C			1							
68917	10.295	0.031	9.621	0.027		0.624	0.034	T	0.69	0.03	L	9.7130	0.0026	0.023	88		9.67	9.75		C			1							
68918	9.944	0.027	7.891	0.011		1.700	0.023	T	1.72	0.02	L	7.7893	0.0039	0.016	61		7.77	7.81		U			1							
68919	9.088	0.014	7.824	0.009		1.060	0.015	G	1.03	0.01	H	7.8660	0.0014	0.013	96		7.85	7.89		C			1							S
68920	9.500	0.017	8.854	0.016		0.592	0.017	T	0.66	0.02	L	8.9075	0.0018	0.016	83		8.88	8.94		C			1							
68921	10.953	0.058	9.215	0.022		1.450	0.049	T	1.45	0.08	L	9.1388	0.0019	0.017	78		9.12	9.17					1							
68922	10.080	0.023	9.420	0.020		0.612	0.026	T	0.68	0.02	L	9.4778	0.0028	0.022	110		9.45	9.52					1							
68923	10.872	0.045	9.588	0.024		1.070	0.015	G	1.03	0.01	I	9.6803	0.0018	0.018	127		9.64	9.72		C			1							
68924	10.061	0.051	9.045	0.036		0.875	0.049	T	0.88	0.04	L	9.0231	0.0015	0.016	80		8.99	9.05		D	14066−4118	I 1	1 S							
68925	10.508	0.040	9.244	0.023		1.077	0.036	T	1.04	0.03	L	9.3229	0.0020	0.016	91		9.29	9.35		C			1							
68926	9.146	0.014	8.749	0.014		0.376	0.018	T	0.44	0.02	L	8.7937	0.0019	0.022	123		8.76	8.83					1							
68927	9.505	0.013	8.945	0.012		0.524	0.016	T	0.60	0.02	L	9.0201	0.0017	0.024	164		8.98	9.06		C			1							S
68928						0.970	0.015	G	0.95	0.01	I	10.9106	0.0037	0.040	117		10.82	10.98					1							G
68929	10.297	0.028	8.914	0.016		1.170	0.025	T	1.13	0.02	L	8.9634	0.0022	0.021	93		8.93	9.00					1							
68930	8.795	0.013	8.658	0.015		0.124	0.018	T	0.14	0.02	L	8.7112	0.0020	0.014	82		8.69	8.75					1							
68931	11.104	0.061	10.673	0.067		0.407	0.083	T	0.47	0.09	L	10.7113	0.0047	0.033	92		10.63	10.78		C			1							G
68932	8.405	0.010	7.241	0.006		0.999	0.009	T	0.98	0.01	L	7.2939	0.0009	0.011	130		7.27	7.32		C			1							S
68933	3.384	0.005	2.190	0.006		1.011	0.013	G	1.01	0.02	A	2.2226	0.0004	0.004	77		2.22	2.23		C	14067−3622	I 1	1							S
68934	10.166	0.023	8.888	0.014		1.088	0.021	T	1.05	0.02	L	8.9058	0.0018	0.020	126		8.87	8.94		C			1							
68935	8.305	0.009	7.120	0.006	A	1.015	0.009	T	0.99	0.01	L	7.1887	0.0047	0.013	123	A	7.17	7.22			14067+3447	I 1	2 C A	AB	55	12.790	0.023	3.40	0.11	S
68936	9.378	0.018	8.431	0.013		0.827	0.004	G	0.87	0.00	H	8.4997	0.0011	0.009	92		8.48	8.52					1							
68937	8.642	0.013	6.789	0.006		1.573	0.012	T	2.44	0.03	O	6.5878	0.0029	0.024	67		6.54	6.61		U 2			1 S							S P
68938	10.832	0.054	8.942	0.019		1.570	0.045	T	1.59	0.05	L	8.8672	0.0031	0.021	87		8.84	8.90					1							
68939	11.489	0.081	10.813	0.072		0.625	0.090	T	0.69	0.08	L	10.9396	0.0052	0.034	97		10.87	11.00					1							G
68940	5.878	0.004	5.500	0.003		0.347	0.005	G	0.41	0.02	A	5.5468	0.0005	0.005	69		5.54	5.56		C			1							S
68941	12.247	0.156	10.419	0.041		1.552	0.133	T	1.71	0.17	K	10.3433	0.0035	0.038	129		10.28	10.41					1							
68942	9.936	0.023	8.447	0.012		1.253	0.020	T	1.21	0.02	L	8.4732	0.0017	0.017	119		8.45	8.50		C			1							
68943	9.721	0.026	8.526	0.016		1.023	0.024	T	1.00	0.02	L	8.5466	0.0019	0.011	65		8.53	8.57		C			1							
68944	10.098	0.026	9.586	0.026	A	0.482	0.072	G	0.55	0.08	R *	9.5894	0.0026	0.024	107	*	9.55	9.62		D	14068+5946	I 2	2 C A	AC	262	1.322	0.023	2.11	0.07	
68945	9.621	0.015	7.469	0.006		1.819	0.013	T	2.47	0.03	O	7.2863	0.0021	0.021	179		7.26	7.33		U 2			1							
68946	10.938	0.045	10.568	0.052		0.351	0.064	T	0.41	0.07	L	10.5762	0.0032	0.031	98		10.52	10.64		C			1							
68947	9.770	0.021	9.264	0.019		0.452	0.008	G	0.52	0.01	H	9.3510	0.0026	0.020	103		9.32	9.39		C	14068+5946	I 2	1							
68948	9.471	0.017	8.793	0.015		0.627	0.019	T	0.69	0.02	L	8.8631	0.0019	0.019	134		8.83	8.90		C			1							
68949	9.519	0.020	8.393	0.014		0.969	0.019	T	0.95	0.01	L	8.4457	0.0012	0.011	93		8.42	8.47		C			1							S
68950	9.049	0.013	8.433	0.012		0.571	0.013	T	0.64	0.01	L	8.5025	0.0019	0.016	122		8.48	8.53					1							
68951	11.227	0.064	10.572	0.059		0.608	0.074	T	0.68	0.07	L	10.7526	0.0025	0.027	119		10.71	10.79		C			1							G
68952	9.484	0.017	8.084	0.010		1.183	0.015	T	1.14	0.01	L	8.1141	0.0012	0.014	114		8.08	8.13					1							S
68953	8.979	0.015	8.656	0.016		0.310	0.024	T	0.36	0.03	L	8.7170	0.0023	0.014	72		8.69	8.73		C			1							
68954	9.408	0.014	9.112	0.016		0.281	0.020	T	0.32	0.03	L	9.1242	0.0024	0.024	141		9.09	9.18					1							
68955	8.178	0.009	7.019	0.005		0.998	0.006	G	0.98	0.01	H	7.0590	0.0009	0.009	120		7.05	7.07		C			1							S
68956	6.624	0.004	6.449	0.004		0.160	0.005	T	0.18	0.01	L	6.4823	0.0008	0.006	116		6.47	6.50					1							S
68957	11.056	0.055	10.355	0.047		1.450	0.020	G	0.80	0.15	S	10.3793	0.0049	0.041	95		10.31	10.44		R			1							
68958	7.047	0.006	6.995	0.007		0.049	0.002	G	0.06	0.00	H	7.0094	0.0010	0.009	92		7.00	7.02		C			1							S
68959	9.374	0.016	8.759	0.014		0.573	0.019	T	0.65	0.02	L	8.7933	0.0020	0.017	123		8.76	8.82					1							
68960	9.618	0.018	9.661	0.027		0.177	0.015	G	0.19	0.02	H	9.6321	0.0029	0.029	144		9.57	9.69					1							G
68961	8.824	0.015	7.594	0.010	*	1.050	0.014	T	1.02	0.01	L *	7.6419	0.0015	0.010	81	*	7.63	7.66		D	14070−2721	H 1	2 C A	AB	350	0.558	0.010	3.09	0.06	
68962	9.703	0.020	8.436	0.012		1.079	0.018	T	1.04	0.01	L	8.4858	0.0012	0.012	120		8.47	8.51		C			1							
68963	9.580	0.015	9.088	0.015		0.463	0.019	T	0.53	0.02	L	9.1508	0.0024	0.023	136		9.12	9.19					1							S
68964	8.215	0.006	6.918	0.004		1.103	0.006	T	1.07	0.01	L	6.8548	0.0008	0.012	243		6.84	6.88			14071−6327	I 1	1 S							S
68965	8.147	0.009	7.724	0.009		0.392	0.015	G	0.46	0.02	H	7.7820	0.0017	0.014	109		7.76	7.81		C			1							S
68966	8.385	0.012	7.287	0.009		0.948	0.012	T	0.94	0.01	L	7.3466	0.0010	0.008	89		7.33	7.36					1							S
68967	8.409	0.011	7.880	0.011		0.496	0.014	T	0.57	0.01	L	7.9336	0.0012	0.009	93		7.92	7.95		C			1							S
68968	9.369	0.023	8.217	0.015		0.990	0.021	T	0.97	0.02	L	8.2680	0.0020	0.013	59		8.24	8.29		C			1							
68969	8.981	0.012	8.466	0.011		0.484	0.015	T	0.56	0.02	L	8.5238	0.0015	0.015	112		8.50	8.55		C			1							S
68970	7.262	0.007	7.270	0.009		−0.006	0.002	G	0.01	0.00	H	7.2846	0.0012	0.007	69		7.27	7.29		C			1							S
68971	9.887	0.023	9.454	0.023		0.409	0.030	T	0.48	0.03	L	9.5270	0.0031	0.024	116		9.49	9.56					1							
68972	8.679	0.010	8.441	0.011	*	0.222	0.015	T	0.24	0.02	L *	8.4674	0.0017	0.016	126	*	8.45	8.50		C	14072−7429	H 1	2 C A	AB	192	0.817	0.018	3.15	0.06	
68973	9.079	0.008	9.042	0.011		0.034	0.012	T	0.05	0.01	L	9.0398	0.0020	0.026	251		9.00	9.09		U			1							
68974	10.996	0.061	10.459	0.059	*	0.504	0.076	T	0.58	0.08	L *	10.3718	0.0037	0.023	76	*	10.33	10.41		D	14073+2505	I 1	2 C A	AB	112	1.078	0.009	0.66	0.03	
68975	9.496	0.020	9.384	0.025		0.226	0.015	G	0.25	0.02	H	9.4318	0.0023	0.026	109		9.39	9.47					1							G
68976	11.022	0.062	10.377	0.053	A	0.590	0.042	G	0.66	0.04	R *	10.4107	0.0050	0.034	78	*	10.34	10.47			14073−4612	I 1	2 C D	AB	180	2.675	0.052	2.67	0.26	G D
68977	9.696	0.020	8.303	0.012		1.178	0.018	T	1.14	0.02	L	8.3648	0.0013	0.013	124		8.34	8.39		C			1							
68978	9.139	0.016	9.044	0.021		0.179	0.015	G	0.20	0.02	H	9.0910	0.0034	0.027	105		9.05	9.14					1							
68979	8.922	0.009	8.860	0.012		0.062	0.014	T	0.07	0.01	L	8.9023	0.0018	0.024	232		8.86	8.95	1.68	P 1 A			1							
68980	9.665	0.016	8.642	0.012		0.891	0.015	T	0.90	0.01	L	8.6772	0.0017	0.016	141		8.65	8.71					1							
68981	9.712	0.025	9.434	0.028		0.335	0.020	G	0.39	0.03	H	9.4256	0.0021	0.013	66		9.41	9.45					1							
68982	8.519	0.009	7.312	0.006		1.032	0.008	T	1.00	0.01	L	7.3674	0.0010	0.012	137		7.34	7.39		M			1							S
68983	9.472	0.019	9.277	0.022		0.187	0.027	T	0.21	0.03	L	9.3063	0.0017	0.015	105		9.28	9.34					1							
68984	9.137	0.014	8.584	0.013		0.518	0.017	T	0.59	0.02	L	8.6653	0.0018	0.015	118		8.63	8.69		C			1							S
68985	10.017	0.024	9.951	0.035		0.165	0.015	G	0.18	0.01	H	9.9371	0.0045	0.038	120		9.87	10.01		U			1							G
68986	9.925	0.020	9.198	0.018		0.638	0.002	G	0.70	0.00	H	9.2979	0.0017	0.018	108		9.27	9.32					1							
68987	9.048	0.012	8.484	0.012		0.528	0.015	T	0.60	0.02	L	8.5413	0.0013	0.014	126		8.51	8.57		C			1							S
68988	8.736	0.013	8.733	0.017		0.025	0.025	G	0.04	0.02	H	8.7247	0.0018	0.020	141		8.70	8.76		C			1							
68989	9.540	0.028	9.105	0.028		0.424	0.032	T	0.49	0.03	L	9.1913	0.0019	0.013	54		9.16	9.22					1							
68990	10.726	0.041	9.938	0.032		0.680	0.015	G	0.74	0.01	H	10.0464	0.0023	0.023	132		10.00	10.09		C			1							
68991	9.886	0.025	9.115	0.021		0.700	0.002	G	0.75	0.00	H	9.1760	0.0014	0.017	78		9.14	9.20		C			1							
68992	9.370	0.016	9.415	0.024		0.016	0.015	G	0.04	0.01	H	9.4440	0.0024	0.023	101		9.41	9.49					1							G
68993	9.271	0.017	8.144	0.011		0.970	0.016	T	0.95	0.01	L	8.1988	0.0018	0.010	79		8.18	8.21		C			1							S
68994	8.219	0.009	7.801	0.009		0.441	0.001	G	0.51	0.00	H	7.8536	0.0016	0.014	119		7.83	7.88					1							S
68995	9.208	0.011	8.850	0.012		0.370	0.026	G	0.43	0.03	H	8.9339	0.0020	0.028	233		8.89	8.98		U			1							
68996	9.587	0.021	7.966	0.011		1.357	0.019	T	1.32	0.02	L	7.9807	0.0018	0.011	78		7.96	8.00		C			1							
68997	9.707	0.020	8.287	0.011		1.199	0.018	T	1.16	0.02	L	8.3257	0.0012	0.014	115		8.30	8.35					1							
68998	9.526	0.017	8.309	0.011		1.040	0.016	T	1.01	0.01	L	8.3265	0.0037	0.040	135		8.26	8.38		U 2			1							P
68999	9.444	0.017	8.868	0.016		0.541	0.017	T	0.61	0.02	L	8.9168	0.0024	0.016	89		8.89	8.94		C			1							
69000	10.289	0.029	8.675	0.014		1.352	0.025	T	1.32	0.03	L	8.6741	0.0019	0.017	101		8.64	8.70		C			1							

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%) δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
69001	14 07 35.31	+30 58 41.1	8.43	G	211.897 114 47	+30.978 096 29	2.81	−12.16	10.93	0.66	0.70	1.00	0.99	0.74	−34	+22	−21	+31	− 5	+ 4	− 9	+17	−12	−28	0	1.88
69002	14 07 35.86	−74 41 22.4	9.72	H	211.899 399 41	−74.689 560 52	2.56	−11.18	−4.45	0.98	0.85	1.17	1.06	1.07	+11	−19	− 6	−34	+ 9	−14	+ 1	+ 5	+ 8	+25	0	0.11
69003 H	14 07 36.35	−32 04 41.8	9.59	H	211.901 467 16	−32.078 288 38 A	3.84	−2.87	−5.32	3.57	2.67	3.52	3.91	3.09	−28	−12	+ 8	−11	+ 7	+ 6	+13	−49	− 9	−14	2	1.50
69004	14 07 37.23	+71 45 42.9	10.35	H	211.905 128 01	+71.761 915 88	3.54	−20.07	6.68	1.01	1.09	1.16	1.14	1.25	− 1	+ 0	−13	− 6	−10	− 1	− 8	+26	−13	− 7	3	0.74
69005	14 07 37.56	−48 28 16.1	9.00	H	211.906 498 99	−48.471 129 32	0.00	−7.07	−3.77	0.80	0.83	1.23	1.05	0.99	−27	−24	+12	+17	− 3	−25	+ 1	−12	+ 5	−18	0	−0.89
69006	14 07 37.88	−48 11 09.6	7.98	H	211.907 836 00	−48.186 010 59	1.05	−6.58	−2.77	0.77	0.65	0.96	1.02	0.77	− 9	−16	+10	+ 8	− 6	− 7	− 6	− 5	+ 7	− 5	0	0.33
69007	14 07 38.17	−56 20 52.6	8.33	H	211.909 033 54	−56.347 936 08	0.66	−4.61	−2.39	0.70	0.66	0.99	1.02	0.88	− 4	− 7	− 1	+22	+ 3	+ 9	+ 5	+11	+ 1	+12	0	0.12
69008	14 07 39.53	−56 53 27.9	7.92	H	211.914 699 09	−56.891 091 19	2.17	−7.29	−6.70	0.60	0.59	0.84	0.71	0.74	− 1	−26	− 6	+20	+ 0	−10	− 1	+29	− 3	+ 8	1	0.56
69009	14 07 39.90	−00 11 23.9	7.97	H	211.916 257 42	−00.189 970 13	3.17	−6.44	−17.15	0.90	0.58	1.08	1.09	0.69	−21	−12	− 7	−20	− 3	+ 5	− 4	−37	+10	−30	0	1.45
69010	14 07 40.08	−53 58 37.9	8.76	H	211.917 007 78	−53.977 184 76	0.15	−16.45	−14.28	0.83	0.76	1.24	1.19	0.95	− 2	−12	+ 5	+22	+11	+ 9	+ 9	+16	+25	+31	1	−0.73
69011	14 07 40.84	−48 42 14.3	6.43	H	211.920 158 67	−48.703 958 58	9.89	−35.53	−27.73	0.49	0.52	0.75	0.58	0.64	−26	−24	+10	+12	− 3	−28	+ 0	− 8	+ 3	−21	0	0.68
69012 H	14 07 41.56	−49 52 04.3	6.45	G	211.923 162 33	−49.867 866 12 A	24.74	−37.28	106.39	1.23	1.03	1.26	1.23	0.98	−16	−17	− 3	+ 4	+11	−24	+11	−21	+ 1	− 5	2	−0.48
69013	14 07 41.62	+12 31 39.0	8.39	H	211.923 396 76	+12.527 513 45	2.55	− 6.06	− 0.95	0.84	0.74	1.20	0.91	0.77	−36	−10	−25	+35	− 4	− 8	− 5	+32	−28	−46	0	0.55
69014	14 07 41.72	−66 09 07.8	8.01	H	211.923 847 28	−66.152 164 67	2.84	−30.97	−26.10	0.54	0.67	0.91	0.66	0.81	+35	− 8	+ 6	+ 3	+ 4	−10	+ 4	+12	− 5	+45	1	0.80
69015	14 07 41.85	+05 34 30.0	9.07	H	211.924 357 00	+05.575 013 32	5.81	−14.75	−15.95	1.10	0.75	1.36	0.98	0.82	−22	−52	− 7	+ 0	− 3	+ 4	−10	−16	+12	−38	0	−1.58
69016	14 07 42.75	+04 01 50.4	10.87	H	211.928 113 15	+04.030 663 62	2.27	−52.87	−5.70	1.73	1.21	2.08	1.66	1.27	−18	−24	+ 4	−13	+ 3	+13	− 2	−45	+ 9	−21	0	0.22
69017	14 07 43.57	−29 01 33.7	8.76	2 H	211.931 549 86	−29.026 014 68	1.63	−16.71	1.46	0.99	0.71	1.12	1.13	1.03	−21	−23	− 5	− 1	−22	− 6	−29	+ 7	+17	−32	0	−0.51
69018	14 07 44.58	−53 41 27.9	7.74	H	211.935 758 02	−53.691 082 87 A	0.10	−1.40	−2.14	3.10	2.73	3.32	3.71	2.93	−14	−21	+20	+15	+ 2	− 9	− 2	+27	+10	+24	18	3.03
69019	14 07 44.85	−53 41 09.4	8.28	H	211.936 890 59	−53.685 943 88 B	5.62	−46.83	−14.74	12.50	10.74	6.51	11.41	8.04	−12	−17	+17	+ 5	+ 1	−10	− 3	+17	+ 9	+27	18	3.03
69020	14 07 46.96	−79 15 05.4	7.92	H	211.945 654 34	−79.251 488 41	3.84	−39.64	−12.55	0.60	0.59	0.73	0.65	0.69	+ 8	−19	+13	+12	+17	+ 5	+12	+27	+16	+25	0	1.13
69021	14 07 47.43	−34 56 58.0	7.35	G	211.947 611 60	−34.949 452 64	5.41	−16.09	−4.04	0.68	0.62	1.01	0.90	0.99	−25	− 8	−30	+15	+ 6	− 4	+ 3	−35	+51	−22	0	−2.55
69022	14 07 48.65	−23 17 49.9	8.26	H	211.952 694 82	−23.297 190 48	4.45	0.55	8.87	1.25	0.86	1.29	1.73	1.19	− 1	+12	−34	+35	+38	− 5	+23	−54	+43	−22	0	1.16
69023	14 07 48.94	−66 09 46.1	9.58	1 H	211.953 897 50	−66.162 807 03	3.86	−30.28	−23.27	0.82	1.01	1.38	1.00	1.22	+29	− 9	+12	+ 4	+ 6	−11	+ 7	+14	− 7	+43	0	−0.25
69024	14 07 49.97	+28 32 43.1	11.30	H	211.958 219 58	+28.545 298 93	−2.00	19.85	−8.35	2.30	2.00	2.88	2.52	2.14	−19	− 8	−26	−51	+10	+ 3	+ 9	−16	+10	−20	0	0.46
69025	14 07 50.07	−00 03 21.6	7.27	H	211.958 643 54	−00.055 988 73	4.35	−11.63	−3.69	0.83	0.55	0.98	0.98	0.65	−18	+ 1	+ 0	−23	− 7	+ 3	− 8	−26	+ 5	−30	0	0.89
69026	14 07 51.39	−37 35 34.8	9.43	H	211.964 127 26	−37.592 989 64	10.10	−90.12	1.15	1.05	0.86	1.44	1.21	1.20	− 5	−17	−24	+32	+10	+ 7	+ 2	−19	+47	−10	0	0.58
69027 H	14 07 51.97	−75 46 58.0	8.12	G	211.966 533 68	−75.782 763 97 *	3.06	−17.04	−3.12	0.54	0.57	0.71	0.70	0.68	+ 7	−18	+12	+ 3	+18	+ 2	+16	+ 6	+ 4	+28	2	−0.21
69028	14 07 52.08	+19 57 57.2	11.17	H	211.967 000 05	+19.965 895 28	24.26	−44.60	−115.02	1.99	1.44	2.51	2.12	1.45	−11	−20	−25	+16	+ 4	−11	+ 5	+19	−20	−21	0	−0.57
69029	14 07 52.45	−11 09 07.5	8.74	3 H	211.968 561 87	−11.152 078 95	2.91	−44.65	− 0.18	1.20	0.67	1.25	1.47	0.85	− 3	−24	−16	+21	+ 4	−13	− 4	−39	+36	− 5	0	0.94
69030	14 07 52.64	+16 52 00.0	7.78	G	211.969 331 11	+16.866 665 95	2.45	− 5.23	−23.39	0.78	0.68	1.02	1.01	0.75	−28	+ 5	−28	+ 1	+ 8	−14	+ 7	+30	−15	−42	0	−0.51
69031	14 07 52.84	−02 06 45.1	10.24	H	211.970 181 76	−02.112 536 32	0.70	13.51	−2.81	1.57	1.21	1.93	1.78	1.40	−15	− 9	−17	−35	− 5	− 2	−12	−59	+27	−32	0	−0.30
69032	14 07 53.38	+16 03 34.2	8.97	H	211.972 401 95	+16.059 494 04	2.47	−17.87	− 3.35	0.95	0.78	1.29	1.01	0.88	− 9	+ 9	− 9	+24	+ 2	+ 6	+ 7	+39	− 1	−27	0	−0.48
69033	14 07 53.73	+08 05 16.5	8.76	2 H	211.973 893 89	+08.087 928 75	2.25	−22.95	0.27	0.97	0.70	1.26	1.16	0.77	−35	− 7	−11	− 8	+14	+ 9	+18	+16	−19	−54	0	0.54
69034	14 07 54.09	−21 11 43.0	8.09	H	211.975 356 06	−21.195 283 21	2.81	5.99	−18.34	0.99	0.73	1.24	1.12	0.95	−21	− 3	−35	+33	+ 9	+12	+ 9	−50	+51	−17	0	0.53
69035	14 07 54.28	+15 20 14.9	9.26	H	211.976 178 64	+15.337 475 86	3.85	44.01	−85.82	0.88	0.79	1.27	0.97	0.85	−29	+ 0	−17	+ 7	− 9	+ 4	− 7	+26	−19	−40	0	−0.90
69036	14 07 54.81	−43 59 35.4	8.23	G	211.978 395 05	−43.993 172 85	−0.41	− 8.62	− 3.57	0.81	0.60	0.95	1.07	0.75	− 4	−12	+12	−10	−12	− 5	−10	−25	+ 4	+ 8	0	1.07
69037	14 07 55.64	−71 12 07.3	8.80	H	211.981 814 34	−71.202 022 10	1.21	− 7.86	− 5.90	0.65	0.74	0.98	0.85	0.82	+22	−19	+ 2	+11	+14	−23	+12	+14	− 1	+40	1	1.02
69038	14 07 55.75	+43 51 16.3	5.13	2 H	211.982 277 24	+43.854 524 80	7.01	11.73	−29.76	0.46	0.55	0.66	0.52	0.55	+ 9	+ 7	−18	−29	+ 1	−17	− 6	−50	+19	−16	2	0.52
69039	14 07 55.79	+20 26 19.6	8.40	H	211.982 474 61	+20.438 767 24	11.79	−136.07	129.44	0.75	0.66	0.98	0.89	0.68	−15	− 4	−17	+18	− 8	− 9	− 8	+32	−21	−13	0	0.37
69040	14 07 56.54	+48 12 39.0	6.80	H	211.985 601 22	+48.210 841 98	19.65	−86.83	−19.25	0.47	0.54	0.68	0.52	0.56	+17	− 6	−31	−11	− 8	+ 9	− 7	−24	+20	+12	0	0.61
69041 H	14 07 56.67	−61 30 32.2	7.93	H	211.986 128 57	−61.508 930 79 A	1.40	− 9.60	− 7.11	1.06	1.01	1.37	1.05	1.00	+11	−26	+ 9	− 5	+19	− 5	+14	− 2	− 9	+50	3	−0.46
69042	14 07 57.19	−25 02 46.2	8.12	H	211.988 284 26	−25.046 164 30	9.45	52.71	−90.73	0.99	0.72	1.30	1.31	1.26	−24	−42	−13	+38	+10	−39	−25	−26	+51	−60	0	0.34
69043	14 07 57.57	−45 26 46.5	8.75	H	211.989 875 57	−45.446 237 90	1.42	14.84	− 6.66	1.15	0.85	1.33	1.21	0.91	+ 5	+ 4	+16	−44	−16	−38	−12	−41	+ 1	+ 6	0	1.04
69044	14 07 57.62	−02 08 17.3	8.45	H	211.990 070 83	−02.138 145 13	4.65	−57.90	−16.65	1.03	0.85	1.24	1.19	0.97	−21	−17	−13	−31	+ 0	− 5	− 7	−59	+23	−37	0	1.61
69045	14 07 57.91	+45 55 39.7	8.88	H	211.991 310 01	+45.927 692 57	6.09	−35.58	5.48	0.67	0.89	1.03	0.82	0.92	+29	− 3	−29	−14	−21	+ 2	−22	−31	+ 2	+17	1	0.50
69046	14 07 59.43	+39 14 32.8	10.58	H	211.997 620 91	+39.242 457 20	14.40	−155.26	110.98	1.20	1.44	2.02	1.40	1.53	+18	+19	+ 7	+17	−24	−13	−25	− 9	−16	+12	0	2.39
69047	14 08 00.25	+32 12 33.2	9.55	H	212.001 043 40	+32.209 220 43	5.27	−18.38	−14.21	0.81	0.86	1.33	1.41	0.98	−12	+ 5	−21	+39	+ 2	−12	− 4	+29	+11	−17	2	2.16
69048	14 08 00.76	−19 43 19.7	8.59	H	212.003 152 26	−19.722 143 95	1.28	19.24	−15.78	1.05	0.77	1.20	1.59	1.17	− 5	− 9	−28	− 3	− 5	− 9	− 9	−37	+36	− 4	0	0.38
69049	14 08 01.00	−50 40 52.8	10.84	H	212.004 154 83	−50.681 341 22	5.60	−15.35	− 2.21	1.65	1.61	2.37	1.82	1.66	−10	−25	+ 6	+15	−12	−20	−18	+45	+ 7	+10	0	1.26
69050 H	14 08 01.64	+45 32 32.5	10.60	H	212.006 845 40	+45.542 348 91 A	17.19	−28.04	−83.55	3.00	3.88	4.16	3.51	4.07	+19	+ 9	−41	−15	− 9	+ 4	−10	−31	+14	+ 9	0	1.86
69051	14 08 01.79	−33 20 10.3	9.08	H	212.007 445 25	−33.336 188 14	1.49	5.40	−26.43	1.24	0.88	1.40	1.87	1.22	−16	− 1	− 9	− 8	− 4	+12	+ 1	−35	+ 9	− 1	0	−1.53
69052	14 08 03.09	−04 44 42.6	8.64	H	212.012 864 20	−04.745 179 71	6.10	−49.13	− 0.50	1.07	0.59	1.16	1.09	0.67	−10	−45	− 9	+18	+ 3	+ 7	− 3	−26	+21	− 5	0	0.92
69053	14 08 03.81	−64 32 22.7	8.19	H	212.015 885 26	−64.539 629 52	3.02	− 5.80	− 4.39	0.57	0.73	1.06	0.70	0.85	+45	−14	− 2	+24	+28	−17	+28	+18	−13	+57	0	0.29
69054 H	14 08 04.03	−12 55 41.2	7.61	H	212.016 788 92	−12.928 102 28 A	16.06	117.39	−111.47	1.72	1.12	1.72	1.68	1.08	− 4	−38	− 7	+ 6	− 2	+10	− 1	−30	+14	+ 2	5	1.15
69055	14 08 04.44	−80 45 50.5	7.60	G	212.018 503 05	−80.764 022 90	8.42	−22.35	1.60	0.48	0.50	0.60	0.51	0.53	+ 8	−13	+ 8	− 5	+ 4	+ 0	+ 2	+16	+ 4	+12	0	−0.42
69056	14 08 04.82	−58 39 02.8	8.78	H	212.020 088 76	−58.650 769 31	0.12	− 1.36	− 2.83	0.87	0.75	1.14	0.98	0.91	− 1	−31	−11	+18	+ 0	−12	− 6	+17	+15	− 3	0	−0.51
69057	14 08 06.62	−47 17 49.0	10.61	H	212.027 603 56	−47.296 944 98	1.31	−18.35	− 6.50	1.34	1.13	1.70	1.40	1.45	−13	−37	+ 2	− 6	+ 2	+ 1	− 3	−22	+11	−17	0	0.61
69058	14 08 07.48	−01 02 54.7	8.03	H	212.031 175 37	−01.048 534 54	3.58	− 1.52	−19.29	0.87	0.64	1.06	0.92	0.80	−26	−27	− 8	− 5	− 4	+ 3	−15	−30	+13	−46	0	0.40
69059	14 08 08.44	−42 59 34.3	9.65	H	212.035 183 24	−42.992 856 57	1.59	−32.29	−33.90	1.20	0.96	1.46	1.30	1.10	− 5	−26	+ 1	+ 6	+ 4	+ 3	+ 1	−33	+11	− 6	2	−0.53
69060	14 08 08.46	−13 22 18.4	9.06	H	212.035 268 27	−13.371 765 22	−0.60	− 9.82	− 6.57	1.32	0.80	1.34	1.69	0.89	− 7	−25	− 9	+18	+ 8	− 8	+14	−18	+ 2	+20	0	−0.01
69061	14 08 09.84	+26 46 37.4	8.36	G	212.040 987 24	+26.777 050 99	2.96	−22.86	9.33	0.84	0.70	1.03	0.92	0.76	− 9	− 3	−20	− 6	− 4	+ 1	− 4	+ 0	+ 5	−10	0	−0.34
69062 H	14 08 11.84	+36 44 56.6	8.22	H	212.049 347 04	+36.749 067 12 A	5.00	25.84	−15.23	1.41	1.53	2.00	1.31	1.48	+16	+ 8	+ 9	−27	− 3	−11	+ 7	+ 4	− 8	−11	1	0.48
*69063	14 08 12.42	−63 16 56.7	8.88	G	212.051 753 16	−63.282 417 38	14.91	73.72	−169.75	0.61	0.81	1.28	0.73	0.87	+31	−12	− 7	+32	+11	−16	+10	+ 6	+ 7	+32	1	1.81
*69064	14 08 12.22	+80 35 55.0	10.31	H	212.050 929 82	+80.598 597 37	60.40	208.59	−543.59	4.93	4.91	5.38	5.52	6.16	− 5	+ 9	−17	−22	+ 6	+ 2	+ 8	−28	+13	−11	0	
69065	14 08 14.27	−63 12 28.9	6.39	H	212.059 470 93	−63.208 036 04	8.48	19.17	35.26	0.36	0.50	0.75	0.41	0.52	+34	−25	−20	+43	+15	−20	+ 8	+ 4	+14	+29	0	−0.22
69066 H	14 08 15.52	+21 11 35.3	7.78	G	212.064 684 88	+21.193 147 86 A	12.30	7.82	−53.80	1.71	1.15	1.57	1.63	0.93	− 9	−12	−13	+15	+ 9	−16	+ 7	+11	−13	+ 3	2	0.32
69067	14 08 15.88	+24 18 54.1	6.57	H	212.066 149 33	+24.315 041 00	4.90	−24.96	4.06	0.72	0.62	0.89	0.70	0.68	− 6	+ 1	−10	− 4	−16	+13	−21	−20	− 9	−24	0	0.68
69068	14 08 17.36	+49 27 28.9	5.26	2 H	212.072 316 83	+49.458 020 60	5.86	−59.54	60.28	0.44	0.50	0.61	0.52	0.53	+16	−13	−35	− 5	+ 6	+12	− 7	−25	+10	− 3	1	2.44
69069	14 08 17.85	+22 33 47.0	8.44	H	212.074 358 99	+22.563 069 32	3.22	5.29	−11.68	0.85	0.72	1.07	0.89	0.76	−17	− 6	−22	−21	−24	+11	−13	+13	−18	−48	0	0.25
69070	14 08 18.34	−55 21 08.6	9.54	G	212.076 425 57	−55.352 401 22	−1.63	− 3.29	− 1.92	0.94	0.91	1.31	1.18	1.09	−13	−21	+ 0	+26	+ 5	−19	+ 9	+ 2	− 1	+11	0	−0.36
69071 H	14 08 19.15	+16 43 32.4	9.22	H	212.079 774 89	+16.725 659 45 A	8.34	−54.61	32.12	2.22	1.89	2.44	2.49	1.89	−19	+ 7	−19	− 7	+ 4	+ 2	+ 6	+24	− 4	−46	1	−0.24
69072	14 08 20.90	−48 15 39.8	8.74	H	212.087 096 64	−48.261 062 77	7.87	−40.09	−44.75	0.81	0.81	1.19	1.08	1.03	−27	−25	+21	+20	+ 0	−21	+ 6	−14	− 4	−18	0	0.24
*69073	14 08 21.31	−16 34 20.8	9.32	H	212.088 775 31	−16.572 434 06	1.68	3.50	−21.26	1.41	0.85	1.33	1.81	1.08	−13	+12	−14	+61	+ 8	+34	+15	−11	+15	− 7	0	0.81
*69074	14 08 21.25	−53 55 39.2	9.20	H	212.088 521 11	−53.927 567 08	18.74	−142.12	43.42	0.86	0.81	1.31	1.17	1.00	− 9	−20	+ 3	+15	+ 2	+ 3	− 4	+19	+28	+26	0	−1.11
69075	14 08 21.60	−52 17 14.7	9.50	G	212.089 999 78	−52.287 412 99	28.79	−200.21	101.89	0.84	0.83	1.36	1.25	0.93	−15	−19	+25	+23	+ 0	+18	−14	+50	+29	+42	0	0.75
69076	14 08 21.67	−33 23 32.1	8.89	H	212.090 302 34	−33.392 247 76	2.00	− 8.28	1.83	1.15	0.80	1.27	1.74	1.09	−13	+ 0	− 4	− 8	− 5	+11	− 2	−26	+ 3	+ 3	0	−1.05
*69077	14 08 21.74	+23 29 16.1	10.39	H	212.090 585 02	+23.487 804 85	9.62	−15.60	− 7.02	1.37	1.28	1.75	1.32	1.40	−19	+ 2	−12	−16	−12	+ 7	−17	−22	− 3	−49	0	−0.32
*69078	14 08 21.72	−33 03 10.5	7.26	G	212.090 491 92	−33.052 912 69	3.41	−36.45	−12.64	0.80	0.61	0.94	1.18	0.84	−19	+ 6	+ 0	− 9	− 1	+ 6	+ 2	−32	− 8	− 6	0	−1.61
69079	14 08 23.16	+17 06 28.7	8.29	H	212.096 484 05	+17.107 958 94	2.95	−39.83	20.50	0.80	0.69	1.09	0.94	0.75	−23	−12	−12	+16	+ 9	−20	+ 7	+25	− 6	− 3	0	−1.34
69080	14 08 23.80	−62 51 48.5	8.38	H	212.099 176 92	−62.863 467 90	0.93	− 4.03	− 2.17	0.52	0.75	1.12	0.64	0.76	+26	−14	−14	+37	+19	−21	+20	+12	+ 3	+42	3	0.35
69081	14 08 24.78	−26 20 56.7	8.92	H	212.103 232 69	−26.349 074 22	3.56	15.59	2.96	1.08	0.89	1.39	1.21	1.18	−18	−31	−29	+18	+18	− 8	+ 1	−46	+39	−35	0	1.66
69082	14 08 24.88	−12 33 55.6	7.86	H	212.103 676 93	−12.565 444 69	1.58	9.01	2.21	0.89	0.58	0.98	1.02	0.67	− 9	−23	−23	+17	− 1	+14	+ 4	−33	+31	+10	0	1.66
69083	14 08 25.11	+37 01 44.9	9.77	H	212.104 624 41	+37.029 140 68	4.99	−18.64	− 3.23	0.92	0.93	1.49	1.10	0.98	+ 2	+17	+ 4	−23	+ 1	−15	+ 2	+ 2	−17	−12	0	2.25
69084	14 08 25.24	+24 32 47.9	11.68	H	212.105 167 51	+24.546 635 93	3.36	4.25	9.13	2.70	2.47	3.33	2.67	2.68	−12	+13	−24	−15	− 1	+ 4	− 6	−41	+10	−29	4	0.15
69085	14 08 25.67	+47 11 09.6	9.81	H	212.106 973 98	+47.186 010 44	3.82	−150.09	− 9.72	0.85	1.09	1.28	1.04	1.01	+20	−14	−37	− 2	−27	+15	−27	−28	+ 3	− 9	1	0.04
69086	14 08 26.07	+29 52 35.3	9.20	H	212.108 630 49	+29.876 472 97	8.99	−53.80	42.31	1.02	0.86	1.30	1.17	0.89	− 1	−13	−23	+ 2	+ 9	+ 2	+ 4	−17	+13	−18	0	0.96
69087	14 08 26.38	−70 26 09.4	9.15	H	212.109 918 32	−70.435 954 74	4.26	−34.90	−41.05	0.78	0.85	1.23	0.97	1.00	+28	−18	+ 9	+ 3	+ 8	−22	+ 6	+12	+12	+40	1	0.08
69088	14 08 26.81	+29 09 41.5	9.41	1 H	212.111 697 24	+29.161 532 81	3.89	0.21	12.94	0.98	0.88	1.32	1.08	0.98	− 7	−15	−24	−32	+ 2	+ 9	+ 3	− 8	+ 4	−12	0	1.96
69089	14 08 27.45	+51 35 32.6	8.68	G	212.114 355 87	+51.592 395 77	0.54	6.97	−11.83	0.71	0.74	0.90	0.95	0.85	+11	+ 3	−25	+18	− 6	+14	− 5	− 7	+ 1	+ 2	0	−0.13
69090	14 08 27.71	−74 51 02.6	6.02	G	212.115 445 95	−74.850 723 42	34.87	−242.32	180.31	0.45	0.45	0.57	0.48	0.53	− 5	−17	− 1	−27	+18	−19	+13	+ 1	+13	+ 4	0	0.87
69091	14 08 28.21	+18 51 32.2	10.23	H	212.117 527 45	+18.858 941 14	4.57	− 1.94	0.97	1.29	1.09	1.59	1.46	1.12	−26	+ 2	+ 0	+ 4	+ 4	+ 2	+ 4	+24	−12	−33	0	0.59
69092	14 08 28.99	−11 49 46.0	6.84	H	212.120 803 36	−11.829 432 35	8.83	−21.36	−11.57	0.87	0.52	0.84	1.01	0.59	− 7	−14	− 8	+45	+ 7	+15	+16	−19	+23	+13	0	2.05
69093	14 08 29.83	+28 58 57.8	9.13	1 H	212.124 279 85	+28.982 734 25	11.75	−202.17	−34.67	0.93	0.79	1.19	0.98	0.88	−10	−12	−23	−41	+ 6	+ 6	+ 7	− 6	+ 6	−12	2	1.16
69094	14 08 33.74	−26 39 10.9	8.10	H	212.140 570 86	−26.653 024 86	12.05	70.56	−30.71	0.90	0.77	1.14	1.06	0.95	−19	−24	−32	+14	+20	−10	+12	−49	+35	−23	2	1.20
69095	14 08 35.90	−73 24 28.4	9.59	H	212.149 603 07	−73.407 897 05	8.06	−63.30	−44.05	0.83	0.95	1.16	1.04	1.13	+10	− 3	+ 3	+15	+26	−18	+26	+ 6	+ 9	+ 8	+15	0	2.31
69096	14 08 36.95	+07 24 12.7	9.86	H	212.153 938 58	+07.403 520 74	7.03	− 6.13	−40.51	1.18	0.75	1.52	1.28	0.82	−32	+ 1	− 4	− 8	+20	+22	+24	+ 9	−27	−56	0	1.43
69097	14 08 40.05	−64 11 25.6	8.94	H	212.166 889 14	−64.190 432 95	2.06	− 2.38	− 2.57	0.61	0.80	1.20	0.79	0.95	+47	− 9	− 8	+12	+22	+12	+19	+15	+13	+60	0	−0.15
69098	14 08 40.61	−54 07 26.5	9.07	H	212.169 216 03	−54.124 035 02	1.95	− 3.15	− 8.04	0.88	0.79	1.31	1.05	0.99	− 9	−28

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
69001	9.838	0.019	8.545	0.012		1.090	0.015	G	1.05	0.02	H	8.6116	0.0011	0.015	171		8.58	8.64					1							
69002	9.735	0.017	9.651	0.023		0.076	0.026	T	0.09	0.03	L	9.7515	0.0018	0.022	119		9.70	9.78		C			1							G
69003	9.987	0.038	9.347	0.034	*	0.588	0.038	T	0.66	0.04	L	* 9.7091	0.0027	0.023	92	*	9.67	9.74		R	14076−3205	I 1	2 C A	AB	249	4.416	0.006	0.38	0.02	
69004	11.028	0.056	10.393	0.052		0.590	0.066	T	0.66	0.06	L	10.4767	0.0033	0.037	113		10.39	10.54					1							G
69005	8.990	0.016	8.967	0.021		0.026	0.024	T	0.04	0.02	L	9.0142	0.0016	0.019	103		8.99	9.05					1							D
69006	7.975	0.014	7.980	0.011		0.000	0.016	T	0.02	0.01	L	7.9867	0.0019	0.015	80		7.96	8.01		C			1							S
69007	9.622	0.018	8.473	0.012		0.987	0.017	T	0.97	0.01	L	8.4959	0.0019	0.020	131		8.47	8.53					1							
69008	7.923	0.007	7.919	0.010		0.005	0.011	T	0.03	0.01	L	7.9327	0.0016	0.013	121		7.92	7.96					1							S
69009	8.993	0.013	8.068	0.010		0.818	0.012	T	0.84	0.01	L	8.1202	0.0009	0.009	107		8.10	8.14					1							S
69010	10.106	0.025	8.918	0.016		1.018	0.023	T	0.99	0.02	L	8.9309	0.0023	0.021	133		8.90	8.96					1 S							
69011	6.425	0.003	6.425	0.004		0.001	0.004	T	0.02	0.00	L	6.4337	0.0009	0.007	129		6.42	6.44		C			1							S
69012	7.318	0.012	6.562	0.009	*	0.660	0.005	G	0.72	0.00	H	* 6.5815	0.0007	0.007	110	*	6.57	6.60		D	14077−4952	I 1	2 C A	AB	311	1.357	0.003	0.24	0.01	S
69013	9.629	0.017	8.468	0.011		0.997	0.016	T	0.98	0.01	L	8.5554	0.0017	0.012	112		8.54	8.58		C			1							S
69014	8.462	0.008	8.056	0.008		0.397	0.009	T	0.46	0.01	L	8.1002	0.0014	0.016	184		8.07	8.13			14077−6609	I 2	1 S							
69015	9.319	0.015	9.098	0.017		0.211	0.021	T	0.23	0.02	L	9.1391	0.0020	0.020	110		9.10	9.18		C			1							
69016	11.625	0.097	10.959	0.092		0.617	0.112	T	0.69	0.10	L	10.9986	0.0037	0.033	101		10.93	11.06		C			1							G
69017	11.014	0.061	8.984	0.018		1.719	0.052	T	2.45	0.09	O	8.7870	0.0080	0.117	93		8.65	9.06		U 2			1 S							
69018	10.436	0.041	8.070	0.012	A	0.679	0.126	G	0.74	0.10	R	7.8768	0.0210	0.121	128	A	7.69	8.03		D	14077−5341	I 2	1 C P A							S
69019	8.910	0.015	8.447	0.015	B	0.450	0.016	T	0.52	0.02	L	8.4836	0.0298			B				D	14077−5341	I 2	1 C I A							
69020	9.372	0.015	8.034	0.009		1.135	0.014	T	1.10	0.01	L	8.0926	0.0016	0.014	126		8.07	8.12					1							
69021	7.391	0.007	7.337	0.009		0.035	0.015	G	0.05	0.01	H	7.3698	0.0010	0.007	82		7.36	7.38					1							S
69022	9.650	0.022	8.363	0.014		1.095	0.020	T	1.06	0.02	L	8.4306	0.0016	0.011	65		8.41	8.45		C			1 G							
69023	10.031	0.020	9.613	0.021		0.409	0.024	T	0.48	0.03	L	9.6756	0.0031	0.034	181		9.60	9.72		U	14077−6609	I 2	1 S							G
69024											T	11.4338	0.0054	0.058	116		11.32	11.53					1							G
69025	9.225	0.014	7.434	0.007		1.491	0.012	T	1.51	0.02	L	7.3968	0.0015	0.012	102		7.38	7.42					1							S
69026	10.230	0.029	9.480	0.024		0.670	0.029	T	0.73	0.02	L	9.5627	0.0019	0.020	85		9.52	9.61		C			1 S							
69027	8.123	0.008	8.117	0.010	*	0.008	0.002	G	0.03	0.00	H	* 8.1305	0.0015	0.014	137	*	8.11	8.15			14079−7547	H 1	2 C S B	AB	179	0.198	0.026	2.31	0.42	S
69028	12.673	0.298	11.173	0.130		1.447	0.197	G	1.79	0.88	I	11.2572	0.0049	0.046	91		11.20	11.34		C			1							G
69029	9.347	0.021	8.848	0.020		0.469	0.026	T	0.54	0.03	L	8.8406	0.0020	0.021	72		8.81	9.23		P 1 A			1							
69030	9.712	0.019	7.939	0.009		1.490	0.015	G	1.51	0.02	H	7.9167	0.0020	0.016	103		7.89	7.94					1							S
69031	10.699	0.047	10.325	0.056		0.354	0.068	T	0.42	0.07	L	10.3217	0.0028	0.026	109		10.27	10.36					1							
69032	10.586	0.043	9.089	0.021		1.260	0.038	T	1.22	0.04	L	9.1295	0.0025	0.022	93		9.10	9.18					1							
69033	10.842	0.040	8.945	0.015		1.576	0.034	T	1.59	0.04	L	8.8768	0.0026	0.025	118		8.84	8.92		U			1							
69034	9.355	0.019	8.204	0.013		0.989	0.018	T	0.97	0.01	L	8.2535	0.0015	0.010	71		8.24	8.28		C			1							
69035	10.393	0.037	9.323	0.023		0.927	0.033	T	0.92	0.02	L	9.4173	0.0023	0.018	105		9.38	9.45		C			1							
69036	8.256	0.010	8.219	0.012		0.022	0.013	G	0.04	0.01	H	8.2496	0.0017	0.011	86		8.23	8.27		C			1							
69037	8.831	0.010	8.799	0.013		0.029	0.014	T	0.05	0.01	L	8.8200	0.0023	0.021	135		8.79	8.86					1							
69038	7.136	0.008	5.380	0.007		1.493	0.009	T	2.74	0.03	O	5.0970	0.0056	0.044	112		5.04	5.18		U 2			1 S							S
69039	8.973	0.012	8.459	0.011		0.483	0.015	T	0.55	0.02	L	8.5027	0.0014	0.013	107		8.47	8.53		C			1							S
69040	7.224	0.005	6.831	0.005		0.372	0.007	T	0.43	0.01	L	6.8855	0.0011	0.009	138		6.87	6.90					1							S
69041	7.917	0.009	7.900	0.014	*	0.016	0.015	T	0.04	0.01	L	* 7.9405	0.0019	0.016	123	*	7.92	7.97		D	14079−6131	I 1	2 C A	AB	112	7.740	0.029	3.25	0.11	
69042	8.645	0.012	8.176	0.012		0.455	0.013	T	0.52	0.01	L	8.2175	0.0014	0.013	73		8.20	8.24		C			1							S
69043	9.944	0.025	8.827	0.017		0.962	0.024	T	0.95	0.02	L	8.9149	0.0023	0.019	79		8.89	8.94		C			1							
69044	9.041	0.014	8.503	0.013		0.504	0.017	T	0.58	0.02	L	8.5576	0.0017	0.013	116		8.54	8.58					1 S							S
69045	9.477	0.017	8.924	0.016		0.518	0.021	T	0.59	0.02	L	8.9988	0.0020	0.018	127		8.97	9.03		C			1							S
69046	11.602	0.068	10.581	0.043		0.879	0.063	T	0.92	0.06	L	10.7227	0.0040	0.040	161		10.59	10.79					1 S							G
69047	10.045	0.024	9.598	0.024		0.422	0.031	T	0.49	0.03	L	9.6481	0.0025	0.024	133		9.61	9.69					1							
69048	10.499	0.048	8.760	0.021		1.450	0.041	T	1.45	0.07	L	8.7290	0.0017	0.014	57		8.69	8.75					1							
69049	11.383	0.080	10.783	0.075		0.560	0.096	T	0.63	0.09	L	10.9640	0.0043	0.046	117		10.87	11.05					1 S							G
69050	12.412	0.201	10.803	0.077	A	1.567	0.197	G	2.51	0.82	I	* 10.6241	0.0032	0.038	118	*	10.56	10.69		D	14080+4533	M 1	2 C A	AB	225	1.966	0.008	0.67	0.03	G W
69051	9.575	0.022	9.090	0.022		0.469	0.024	T	0.54	0.03	L	9.1825	0.0020	0.014	77		9.16	9.21		C			1							
69052	9.081	0.015	8.694	0.015		0.366	0.020	T	0.43	0.02	L	8.7274	0.0018	0.013	87		8.70	8.75		C			1							S
69053	8.330	0.007	8.195	0.008		0.130	0.010	T	0.14	0.01	L	8.2369	0.0015	0.021	230		8.20	8.27					1							
69054	8.334	0.020	7.650	0.017	*	0.620	0.020	T	0.69	0.02	L	* 7.7426	0.0016	0.011	63	*	7.72	7.76		D	14081−1256	I 1	2 C A	AB	277	5.836	0.008	1.10	0.02	S
69055	7.920	0.008	7.627	0.007		0.276	0.001	G	0.31	0.00	H	7.6741	0.0008	0.011	142		7.66	7.70					1							S
69056	8.927	0.011	8.803	0.014		0.120	0.017	T	0.13	0.02	L	8.8241	0.0018	0.022	119		8.79	8.86					1							
69057	10.878	0.048	10.653	0.063		0.380	0.020	G	0.44	0.02	H	10.6956	0.0045	0.031	87		10.65	10.75		C			1							G
69058	9.614	0.018	8.164	0.010		1.223	0.016	T	1.18	0.02	L	8.1889	0.0013	0.011	123		8.16	8.21					1							S
69059	10.288	0.028	9.686	0.026		0.560	0.028	T	0.63	0.03	L	9.7683	0.0018	0.021	85		9.74	9.81		C			1							
69060	10.721	0.055	9.174	0.024		1.299	0.047	T	1.26	0.05	L	9.2212	0.0020	0.015	59		9.18	9.25		C			1							
69061	9.843	0.022	8.455	0.013		1.140	0.015	G	1.10	0.02	H	8.5209	0.0019	0.017	97		8.50	8.55		C			1							
69062	9.075	0.012	8.303	0.010	*						T	* 8.3706	0.0018	0.019	164	−	8.34	8.41		D	14082+3645	I 1	3 C A							S G
69063	9.625	0.015	8.925	0.013		0.621	0.002	G	0.69	0.00	H	9.0050	0.0020	0.023	202		8.97	9.05					1							
69064	11.876	0.123	10.414	0.050		1.379	0.003	G	1.62	0.01	I	10.4147	0.0039	0.038	117		10.35	10.48					1 X							G
69065	7.670	0.005	6.500	0.003		1.013	0.004	G	0.99	0.00	H	6.5535	0.0007	0.008	212		6.54	6.57		C			1							S
69066	8.346	0.012	7.802	0.012	*	0.530	0.036	G	0.60	0.04	H	* 7.8985	0.0016	0.016	83	*	7.88	7.93		R	14083+2112	I 1	2 C A	AB	15	4.762	0.006	1.30	0.03	S
69067	8.519	0.012	6.719	0.006		1.499	0.011	T	1.53	0.02	L	6.6910	0.0013	0.010	77		6.68	6.71		C			1							S
69068	7.416	0.007	5.451	0.004		1.637	0.010	G	1.97	0.05	F	5.3410	0.0037	0.027	125		5.29	5.37		U 2	14082+4927	I 1	1 S							S
69069	9.679	0.020	8.533	0.013		0.990	0.015	G	0.97	0.01	K	8.6068	0.0016	0.015	103		8.58	8.64					1							S
69070	9.780	0.020	9.585	0.025		0.303	0.015	G	0.35	0.02	H	9.6109	0.0022	0.025	121		9.56	9.66		C			1							G
69071	9.367	0.040	8.857	0.044	*	0.479	0.053	T	0.55	0.06	L	* 9.3295	0.0027	0.021	93	*	9.29	9.38		D	14083+1644	I 1	2 C A	AB	341	1.684	0.009	1.42	0.04	S
69072	9.295	0.020	8.784	0.019		0.460	0.015	G	0.53	0.02	H	8.8434	0.0025	0.018	89		8.81	8.87					1							G
69073	9.751	0.030	9.343	0.032		0.399	0.036	T	0.46	0.04	L	9.4118	0.0029	0.016	54		9.39	9.44		C			1							
69074	9.975	0.023	9.259	0.020		0.658	0.025	T	0.72	0.02	L	9.3388	0.0018	0.023	132		9.29	9.38					1							
69075	10.673	0.031	9.620	0.021		0.941	0.016	G	0.99	0.02	I	9.6299	0.0022	0.024	176		9.59	9.68		C			1							G
69076	9.434	0.022	8.931	0.022		0.473	0.028	T	0.54	0.03	L	8.9909	0.0016	0.014	78		8.97	9.02					1							
69077	11.213	0.070	10.397	0.052		0.737	0.067	T	0.78	0.05	L	10.5325	0.0046	0.029	91		10.48	10.61					1							
69078	8.569	0.012	7.361	0.008		1.020	0.015	G	0.99	0.01	H	7.4248	0.0011	0.009	84		7.41	7.44		C			1							S
69079	9.493	0.017	8.404	0.011		0.970	0.015	G	0.95	0.01	H	8.4512	0.0013	0.012	99		8.43	8.47		D			1							S
69080	8.384	0.007	8.382	0.009		0.003	0.010	T	0.02	0.01	L	8.3894	0.0016	0.019	203		8.36	8.42					1							
69081	9.389	0.018	8.956	0.019		0.398	0.020	G	0.46	0.02	H	9.0131	0.0026	0.018	80		8.99	9.04		C			1							
69082	9.600	0.022	8.000	0.011		1.341	0.019	T	1.31	0.02	L	8.0086	0.0017	0.012	73		7.99	8.03					1							
69083	10.365	0.024	9.807	0.023		0.522	0.030	T	0.59	0.03	L	9.8833	0.0030	0.031	165		9.83	9.94		C			1							
69084						0.639	0.126	G	0.70	0.11	R	11.8160	0.0067	0.052	68		11.71	11.94					1							D
69085	10.722	0.045	9.939	0.036		0.711	0.045	T	0.77	0.04	L	9.9546	0.0022	0.019	105		9.92	10.00		C			1							
69086	9.862	0.022	9.264	0.020		0.558	0.026	T	0.63	0.02	L	9.3220	0.0020	0.024	101		9.28	9.37		C			1							
69087	9.805	0.020	9.211	0.018		0.554	0.024	T	0.63	0.02	L	9.2719	0.0020	0.019	136		9.23	9.31					1							
69088	9.984	0.025	9.454	0.024		0.497	0.031	T	0.57	0.03	L	9.5254	0.0025	0.027	98		9.48	9.57		U	14084+2910	I 1	1							
69089	9.975	0.023	8.744	0.015		1.062	0.020	G	1.03	0.02	H	8.8252	0.0017	0.017	108		8.80	8.85					1							
69090	6.721	0.004	6.084	0.003		0.581	0.006	G	0.65	0.02	A	6.1426	0.0008	0.007	131		6.13	6.15					1							S
69091	11.543	0.094	10.321	0.046		1.010	0.015	G	0.99	0.01	I	10.3744	0.0027	0.028	97		10.33	10.43		C			1							
69092	6.975	0.005	6.857	0.006		0.114	0.007	T	0.13	0.01	L	6.8888	0.0009	0.008	80		6.88	6.90		C			1							S
69093	9.934	0.024	9.198	0.020		0.660	0.024	T	0.72	0.02	L	9.2603	0.0025	0.021	100		9.23	9.31		U			1							
69094	8.640	0.013	8.145	0.013		0.477	0.014	T	0.55	0.01	L	8.2029	0.0020	0.012	79		8.18	8.22					1							
69095	10.410	0.027	9.664	0.022		0.667	0.026	T	0.73	0.02	L	9.7296	0.0023	0.030	143		9.67	9.80					1 S							G
69096	10.447	0.033	9.862	0.032		0.546	0.041	T	0.62	0.04	L	9.9838	0.0020	0.019	122		9.95	10.01		C			1							
69097	9.108	0.009	8.972	0.010		0.123	0.013	T	0.14	0.01	L	8.9886	0.0018	0.024	259		8.95	9.03					1 S							
69098	10.887	0.043	9.238	0.019		1.379	0.037	T	1.35	0.04	L	9.2148	0.0025	0.025	139		9.18	9.25		C			1							
69099	9.160	0.011	8.559	0.010	*	0.560	0.011	T	0.63	0.01	L	* 8.5867	0.0015	0.017	177	*	8.56	8.61		D	14087−5133	I 1	2 C A	AB	211	0.387	0.003	0.15	0.02	
69100	10.086	0.020	8.975	0.014		0.958	0.019	T	0.95	0.01	L	9.0247	0.0011	0.014	153		9.00	9.04		C			1							

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)										Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
69101	14 08 42.58	−64 22 29.9	9.80	H	212.177 431 25	−64.374 975 85	2.44	−2.17	0.10	0.85	1.11	1.58	1.05	1.27	+53	− 4	− 5	+23	+33	+14	+31	+26	+17	+66	0	1.51
69102	14 08 42.74	+33 40 56.9	8.78	H	212.178 077 05	+33.682 484 83	14.73	−123.54	82.16	2.50	2.59	3.72	2.94	2.45	−13	− 9	−11	− 6	− 1	− 1	1	−16	− 8	−31	2	
69103	14 08 43.86	+17 38 20.0	7.69	H	212.182 729 67	+17.638 900 71	5.71	13.23	6.40	0.67	0.60	0.94	0.77	0.67	−28	− 3	−26	+22	− 4	−15	− 5	+32	−17	−47	0	1.43
69104	14 08 44.36	−42 35 55.2	8.72	G	212.184 836 03	−42.598 660 39	1.73	−15.15	−6.48	0.88	0.71	1.08	0.93	0.96	−19	−36	− 5	+ 3	−11	+ 7	−14	+ 6	+ 5	−31	0	−1.46
69105	14 08 45.03	−59 43 01.4	8.66	H	212.187 643 28	−59.717 054 59	0.98	− 8.30	−4.79	0.89	0.77	1.15	1.32	0.90	+ 9	− 2	− 3	+30	+ 4	+ 4	+ 9	+21	+10	+39	0	0.65
69106	14 08 45.84	+33 47 59.5	8.49	H	212.191 008 60	+33.799 848 51	8.90	−61.44	−34.07	0.70	0.67	1.02	0.87	0.68	− 8	−10	−20	+ 0	+17	−21	+12	− 2	− 7	−14	2	−0.27
69107	14 08 46.19	+59 20 15.7	6.47	G	212.192 447 11	+59.337 699 23	7.44	−123.18	−20.76	0.46	0.48	0.55	0.50	0.52	+13	−23	−15	−13	−13	− 3	−11	+ 4	− 1	− 1	1	0.00
69108	14 08 47.51	−39 35 26.2	9.40	H	212.197 971 00	−39.590 610 57	5.50	28.20	−18.58	1.16	0.89	1.43	1.29	1.06	−10	−20	+ 3	− 4	− 3	−11	− 7	−28	+13	−16	0	2.91
69109	14 08 50.21	+04 32 27.5	11.07	G	212.209 217 79	+04.540 984 79	23.40	290.21	−397.73	2.02	1.33	2.36	2.04	1.48	− 7	−25	−13	−25	−13	+ 8	−17	−29	+19	−15	2	1.32
69110	14 08 50.43	−24 05 22.2	9.07	2 H	212.210 132 74	−24.089 496 28	3.16	−0.06	5.31	1.12	0.98	1.46	1.40	1.20	−30	+ 7	−38	−11	+20	−29	+14	−47	+39	−30	0	0.24
69111	14 08 50.55	−17 44 10.6	8.80	H	212.210 605 16	−17.736 285 77	2.77	−25.97	−4.00	1.11	0.90	1.26	1.57	1.13	−25	− 3	−24	+14	+ 6	+ 5	+11	−19	− 3	−13	0	1.27
69112	14 08 51.01	+77 32 50.8	4.80	H	212.212 537 59	+77.547 433 12 +	6.52	−30.36	33.39	0.46	0.44	0.49	0.44	0.51	+ 8	+ 1	−32	+ 0	+ 1	+ 2	+13	− 7	− 1	+ 5	1	−0.64
69113	14 08 51.90	−43 28 14.7	6.19	H	212.216 259 60	−43.470 736 42	4.57	−19.25	−17.44	0.63	0.50	0.76	0.79	0.62	− 5	− 6	+ 2	+ 0	+ 0	− 7	+ 2	−28	+ 3	+ 0	2	−0.44
69114	14 08 52.39	+50 37 27.4	8.71	H	212.218 278 85	+50.624 290 92	12.95	22.28	−51.11	0.67	0.81	0.97	0.84	0.95	+14	−12	−36	− 2	+ 2	+ 3	+ 0	−27	+16	+ 2	0	−0.43
69115	14 08 52.42	−49 19 14.4	10.90	H	212.218 423 89	−49.320 670 99	3.68	− 9.11	1.13	1.44	1.70	2.74	2.12	2.29	−26	−11	+12	+ 7	+ 2	−46	+10	− 9	− 1	−12	0	0.88
69116	14 08 53.97	+19 28 02.1	8.79	H	212.224 886 38	+19.467 263 84	9.50	−59.27	24.56	0.88	0.72	1.10	0.99	0.72	−22	− 7	− 8	− 2	+ 5	+ 1	+ 5	+21	−20	−23	2	1.31
69117 H	14 08 54.58	+46 08 03.3	9.28	H	212.227 429 76	+46.134 255 35 A	0.83	13.03	−2.50	1.18	1.51	1.58	1.41	1.53	+19	−12	−16	−13	−15	+ 5	−12	−11	− 2	− 1	0	−0.05
69118	14 08 54.87	+32 01 08.3	8.16	H	212.228 607 84	+32.018 976 37	3.42	− 3.18	−8.06	0.64	0.65	0.97	1.00	0.71	−13	+ 0	− 8	+27	+ 8	−11	+ 4	+ 8	+ 7	−12	0	0.09
69119 H	14 08 55.27	−26 22 45.4	8.82	G	212.230 287 13	−26.379 285 17 A	9.25	−225.69	45.80	3.73	3.62	2.39	2.58	2.12	+24	− 8	−12	+27	+13	−28	+ 6	−27	+40	−37	1	0.24
69120	14 08 56.03	−68 08 25.6	7.57	H	212.233 445 17	−68.140 437 92	5.76	−65.96	−21.46	0.49	0.58	0.80	0.58	0.65	+28	− 7	+ 2	+15	+13	−21	+14	+16	− 3	+36	1	−0.82
69121	14 08 56.24	+47 14 05.2	9.07	H	212.234 319 40	+47.234 764 88	7.68	− 4.22	29.15	0.71	0.87	1.05	0.88	0.81	+19	− 9	−38	− 2	−24	+17	−23	−29	+ 5	− 7	0	2.13
69122	14 08 56.27	−59 16 36.0	6.34	H	212.234 443 95	−59.276 670 31	3.05	−12.51	−17.04	0.54	0.52	0.71	0.71	0.63	+ 1	−16	−14	+29	+ 1	− 5	− 1	+23	+10	+ 4	0	0.79
69123	14 08 58.18	−58 45 46.0	8.36	H	212.242 422 77	−58.762 764 75	4.04	−30.99	− 8.55	0.77	0.78	1.18	0.95	0.94	+ 5	−30	−23	+ 8	+11	−17	+ 6	+20	− 1	+ 6	2	0.85
69124	14 08 58.76	+39 31 29.8	9.08	H	212.244 825 60	+39.524 931 20	16.92	82.07	−53.17	0.71	0.84	1.21	0.87	0.94	+18	+10	− 9	+10	−11	−10	−14	+ 1	−15	+ 0	0	−1.11
69125	14 09 00.29	−40 52 57.7	8.67	H	212.251 221 05	−40.882 683 26	3.14	−16.86	−12.81	0.89	0.72	1.20	0.90	0.91	−18	−44	− 6	+ 6	− 1	+ 2	−14	−18	+25	−30	0	−1.13
69126	14 09 00.33	−19 14 43.6	7.08	2 H	212.251 377 02	−19.245 456 60	4.36	− 7.88	−54.83	0.95	0.75	1.10	1.36	1.02	− 1	−24	−40	−13	− 5	+ 8	− 7	−50	+31	− 1	3	−0.36
69127	14 09 00.60	−10 20 04.6	6.45	H	212.252 489 94	−10.334 599 10	5.88	− 6.24	21.73	0.82	0.56	0.91	0.96	0.80	− 8	−24	−32	+39	+ 6	− 9	−16	−31	+38	−37	0	1.02
69128	14 09 01.13	−18 30 03.4	7.70	H	212.254 724 93	−18.500 951 44	11.33	−86.61	12.28	1.03	0.84	1.16	1.92	1.19	−13	+ 5	−30	−13	+ 5	−26	+ 7	−54	+21	+ 3	3	−1.46
69129	14 09 01.58	−51 56 14.6	9.25	G	212.256 594 87	−51.937 386 97	22.06	−324.98	−176.74	0.74	0.83	1.32	1.08	0.92	−35	−24	+27	+13	−11	+ 4	−32	+54	+25	+28	0	1.42
69130	14 09 02.21	−45 34 30.6	8.77	H	212.259 205 26	−45.575 159 84	1.98	−12.00	− 2.47	1.00	0.81	1.22	1.18	0.92	−11	−12	+13	−27	− 5	−23	− 3	−33	+14	− 2	0	0.10
69131	14 09 02.66	+43 44 34.2	7.70	H	212.261 098 17	+43.742 836 16	7.56	−12.55	−35.41	0.57	0.65	0.86	0.64	0.67	+ 8	+ 4	−28	−27	+ 0	−10	− 2	−34	+25	−14	0	0.85
69132	14 09 02.89	−27 11 42.9	8.15	H	212.262 061 34	−27.195 250 80	5.39	−33.06	−18.82	0.83	0.74	1.12	1.01	0.93	−28	− 9	−33	− 6	+10	+ 3	+13	−56	+39	−16	0	0.36
69133	14 09 03.35	−08 00 14.7	8.86	H	212.263 962 00	−08.004 094 01	8.15	−44.92	12.09	1.08	0.68	1.31	1.09	0.87	− 9	−41	−29	+20	+ 9	−16	−15	−30	+38	−36	0	1.06
69134	14 09 07.81	−63 04 07.3	8.85	1 H	212.282 531 19	−63.068 695 09	3.52	− 5.31	− 2.41	0.57	0.82	1.27	0.64	0.84	+32	−17	−11	+37	+11	−16	+ 8	+ 1	+18	+32	0	1.47
69135	14 09 08.39	+32 54 19.8	11.25	H	212.284 971 18	+32.905 497 58	17.31	−144.25	−157.48	1.56	1.55	2.29	2.02	1.60	−18	− 8	−10	+ 7	+ 3	− 2	+ 2	+15	− 4	−18	3	2.33
69136	14 09 09.00	+12 14 40.0	8.94	H	212.287 484 11	+12.244 441 84	10.17	−18.16	38.08	0.88	0.77	1.29	1.00	0.79	−40	− 6	−11	+31	+ 2	− 8	− 2	+25	−24	−45	0	0.48
69137	14 09 09.10	−65 37 21.0	8.51	G	212.287 912 83	−65.622 493 78	13.25	−289.41	5.65	0.63	0.78	1.08	0.83	1.05	+43	−10	+ 3	− 8	+ 3	+ 3	+ 0	+ 8	+12	+53	0	−1.03
69138	14 09 09.89	+57 23 24.3	9.48	H	212.291 224 12	+57.390 083 64	9.78	−23.55	26.39	0.73	0.79	0.92	0.82	0.86	+15	−11	−26	+ 5	− 6	+13	− 3	+11	+ 2	+ 1	0	1.21
69139	14 09 10.03	−30 13 57.1	10.65	H	212.291 811 55	−30.232 520 08	3.75	−26.99	−35.45	7.79	5.78	9.15	8.75	7.69	−25	−18	− 3	−19	− 4	+ 7	− 6	−22	− 5	−26	0	
69140 H	14 09 11.23	+07 23 05.9	7.13	H	212.296 786 58	+07.384 976 56 A	6.21	−24.22	− 6.64	1.05	0.68	1.14	1.09	0.66	−32	− 3	+ 1	+ 2	+22	+19	+17	+ 2	−15	−46	1	0.34
69141	14 09 11.93	+47 58 55.4	9.43	H	212.299 727 62	+47.982 057 62	5.72	10.62	−13.49	0.81	0.96	1.14	0.87	0.93	+26	− 7	−25	−10	−22	+ 2	−25	−35	+14	+ 8	0	1.87
69142	14 09 12.69	+43 48 04.7	9.47	H	212.302 888 01	+43.801 308 12	3.94	−34.63	1.02	0.85	0.96	1.28	1.02	0.99	+11	− 6	−33	−22	+ 4	− 8	− 1	−32	+19	−13	0	1.40
69143	14 09 13.25	−22 32 15.7	7.77	H	212.305 189 29	−22.537 699 36	18.41	−72.05	59.23	1.41	0.89	1.09	1.67	1.15	+27	+ 9	−32	−42	− 7	−23	−17	−57	+24	−10	0	3.07
69144	14 09 13.99	+14 08 11.1	8.50	H	212.308 296 84	+14.136 421 63	4.68	−50.72	1.92	0.83	0.64	1.14	0.90	0.68	−10	−31	−27	+45	+ 8	−20	+ 7	+33	−21	−27	0	0.87
69145	14 09 18.00	−01 30 55.7	9.80	H	212.324 999 95	−01.515 481 87	−1.59	−13.22	− 9.50	1.28	0.99	1.61	1.42	1.15	−21	−23	−12	−14	− 9	+13	−17	−46	+14	−37	0	−1.72
69146	14 09 19.92	+65 33 30.4	8.35	H	212.332 991 37	+65.558 431 88	2.59	−10.53	13.25	0.64	0.64	0.73	0.66	0.65	+17	− 7	− 8	−14	−15	−14	−13	+ 6	−11	+ 6	0	0.27
69147	14 09 19.96	+25 26 33.2	8.52	H	212.333 161 20	+25.442 553 71	2.04	− 0.39	12.07	1.03	0.87	1.19	1.06	0.92	+23	−25	−38	−33	−22	+ 2	−29	−40	+25	− 7	2	0.85
69148	14 09 20.00	−51 30 02.2	10.63	H	212.333 322 74	−51.500 624 97	2.35	−21.79	− 0.56	1.36	1.41	2.23	1.57	1.51	−38	−33	+20	+13	−17	−12	−34	+49	+17	+ 9	0	0.80
69149	14 09 20.04	−33 56 01.7	8.73	H	212.333 499 53	−33.933 798 05	0.91	7.42	− 8.58	1.03	0.71	1.26	1.49	0.99	−12	+18	− 7	+35	+10	+41	+22	−28	+23	+ 8	0	0.44
69150	14 09 21.33	+76 02 31.6	10.36	H	212.338 886 56	+76.042 104 40	11.55	139.55	−60.58	0.89	0.95	1.03	1.02	1.07	+10	− 2	−18	+ 2	− 8	+16	− 5	+ 5	+ 0	+ 0	2	0.45
69151	14 09 21.65	+01 12 28.1	9.42	H	212.340 188 21	+01.207 791 85	15.11	−113.94	− 7.91	1.30	0.79	1.48	1.34	0.93	−10	−35	−18	−40	− 2	+12	− 9	−41	+21	−28	0	−1.05
69152	14 09 22.20	−03 03 44.8	9.25	H	212.342 518 79	−03.062 456 17	10.70	15.03	17.90	1.23	0.92	1.55	1.56	1.09	−38	−25	−14	− 8	+ 4	−11	+ 0	−31	+18	−46	2	0.67
69153	14 09 22.90	−56 50 08.0	8.70	H	212.345 414 69	−56.835 566 52	3.44	− 9.05	1.13	0.75	0.78	1.13	0.98	0.98	+ 5	−13	+ 9	+13	+ 0	−17	+ 4	+13	−17	+15	0	0.75
69154	14 09 23.65	−40 36 58.7	9.11	H	212.348 556 45	−40.616 301 90	6.94	−46.01	−16.79	0.99	0.76	1.31	0.97	0.99	−11	−41	− 8	− 5	− 3	−10	−16	−21	+25	−27	4	1.04
69155	14 09 23.81	−65 49 11.5	9.41	H	212.349 217 38	−65.819 863 34	3.24	2.07	−10.87	0.81	1.04	1.38	1.03	1.31	+31	− 5	+13	− 7	+ 7	− 4	+ 5	+10	+ 2	+45	1	0.85
69156	14 09 24.30	−67 06 26.0	9.35	1 G	212.351 242 75	−67.107 210 19	−0.04	− 7.08	− 6.73	0.84	0.89	1.38	1.05	1.06	+38	−20	+ 0	+21	+12	−23	+16	+15	−19	+53	2	1.87
69157	14 09 25.01	−34 52 58.0	7.77	H	212.354 210 31	−34.882 787 92	11.14	−58.35	−49.19	0.83	0.64	0.98	1.11	0.90	−33	−20	− 7	+25	− 9	+13	− 8	− 2	+ 8	−28	0	−1.27
69158	14 09 25.14	+40 02 21.5	7.98	H	212.354 737 66	+40.039 310 76	5.12	−37.69	− 7.46	0.53	0.62	0.86	0.65	0.69	+21	− 5	− 8	− 8	−13	− 9	−14	−14	− 3	+ 3	0	−1.17
69159	14 09 26.33	−64 46 34.1	8.52	H	212.359 714 40	−64.776 135 38	2.47	− 1.34	1.54	0.68	0.83	1.19	0.89	1.02	+45	−15	− 4	− 3	+ 8	− 6	+ 4	+ 5	+ 4	+60	0	1.37
*69160	14 09 26.59	+10 14 38.1	7.95	H	212.360 772 59	+10.243 925 53	16.37	−93.55	−154.23	0.88	0.73	1.09	0.99	0.75	−35	− 3	−36	−20	+15	+ 5	+14	+ 1	−16	−58	0	−0.47
*69161	14 09 26.55	+69 35 25.5	7.33	H	212.360 623 05	+69.590 410 84	5.27	−27.22	13.51	0.54	0.54	0.60	0.60	0.62	− 3	+ 1	−13	− 7	− 3	−15	− 5	+18	−12	− 3	0	0.94
69162	14 09 26.86	−38 25 57.8	7.89	H	212.361 924 16	−38.432 721 64	6.22	−40.47	−18.53	0.76	0.56	0.95	0.71	0.74	− 6	−34	−14	− 7	− 7	− 7	−19	− 6	+29	−23	0	0.50
69163	14 09 27.49	−30 55 47.2	11.81	G	212.364 531 12	−30.929 773 10	26.49	−458.57	−222.00	2.64	1.98	3.21	3.38	2.69	−27	+ 3	−12	+12	−13	+ 4	−13	− 9	+ 8	−26	4	1.07
69164	14 09 27.88	−55 21 41.5	8.08	G	212.366 182 03	−55.361 531 87	6.12	−28.53	27.53	0.61	0.54	0.87	0.67	0.65	− 9	−24	+ 4	+14	− 2	−10	− 4	+ 4	+18	+11	0	−0.72
69165	14 09 28.11	+02 47 51.3	6.80	H	212.367 144 63	+02.797 580 54	4.88	−43.11	− 1.92	0.74	0.53	0.88	0.74	0.59	−17	−32	−11	− 2	− 4	+11	− 9	−20	+13	−28	2	0.68
69166	14 09 29.14	+38 41 27.7	8.95	H	212.371 399 41	+38.691 014 17	10.44	− 8.02	−49.82	0.62	0.79	1.12	0.73	0.84	+25	+ 8	+ 0	+ 6	− 3	− 7	− 3	+ 1	−12	+21	0	−0.05
69167	14 09 30.26	+64 58 08.8	11.97	2 H	212.376 101 55	+64.969 108 48	10.25	−183.54	111.90	2.42	2.44	2.84	2.92	2.89	+ 3	−14	−12	− 3	− 9	+ 0	− 3	+ 8	−24	−16	1	−0.15
69168	14 09 30.43	−20 36 55.3	11.19	G	212.376 775 68	−20.615 351 97	19.97	−149.51	−156.04	2.40	1.78	3.12	2.85	2.61	−21	−31	−30	+31	+ 9	− 8	−16	−41	+45	−45	3	−1.51
69169	14 09 30.51	+26 53 38.4	8.19	H	212.377 134 18	+26.894 009 92	−0.44	− 2.31	5.02	0.84	0.71	1.04	0.86	0.76	− 7	− 2	− 1	− 7	−16	−11	−18	−11	+16	−33	0	1.25
69170	14 09 31.15	−58 34 23.2	8.44	H	212.379 794 98	−58.573 124 92	3.49	− 6.68	− 2.74	0.82	0.81	1.18	0.96	0.97	+11	−29	−29	+ 8	+ 8	−16	+ 4	+24	+ 1	+ 1	0	−0.24
69171	14 09 31.64	+20 28 18.3	7.45	G	212.381 823 44	+20.471 736 54	16.24	−140.48	−32.59	0.68	0.51	0.84	0.76	0.52	− 6	−11	−15	+ 6	− 4	− 2	− 1	+21	−25	−11	0	1.16
69172	14 09 31.86	+17 02 16.8	9.47	H	212.382 740 04	+17.037 988 26	8.98	−22.72	3.40	1.10	0.85	1.47	1.61	0.98	−15	− 9	−17	− 1	+10	−27	+ 6	+ 0	+ 2	−33	0	0.12
69173 H	14 09 33.88	−46 55 21.2	9.14	H	212.391 166 25	−46.922 562 79 A	2.40	−11.84	−17.53	1.64	1.28	1.89	1.47	1.52	− 5	−40	− 5	−14	− 3	− 9	−21	−22	+28	−14	0	0.28
69174	14 09 35.06	−51 30 16.7	5.96	1 T	212.396 093 36	−51.504 645 39	5.95	−32.69	−10.97	0.44	0.45	0.69	0.43	0.48	−30	−41	+14	+13	−17	−13	−26	+44	+ 8	+ 0	0	0.35
69175 H	14 09 35.43	−47 28 26.0	8.23	H	212.397 609 90	−47.473 884 53 A	8.77	4.78	−24.41	1.82	1.51	1.98	2.03	1.57	−11	− 7	+24	+15	+ 7	− 5	+10	−20	+ 0	− 6	0	0.74
69176	14 09 35.77	−44 22 00.9	9.28	G	212.399 024 06	−44.366 925 08	8.75	34.08	−29.90	1.06	0.90	1.39	1.22	1.12	+ 3	−30	−13	−21	− 4	−14	−15	−49	+30	− 5	5	3.06
69177 H	14 09 37.06	−50 51 03.1	9.13	H	212.404 401 21	−50.850 871 57 A	4.04	−16.27	− 3.16	1.25	1.20	1.68	1.20	1.19	− 4	−22	+ 4	+12	− 9	−21	−12	+28	+16	+ 1	0	1.00
69178	14 09 37.17	+15 37 18.1	6.87	H	212.404 879 83	+15.621 703 25	18.19	41.66	−64.34	0.63	0.53	0.85	0.70	0.60	−34	+ 7	−20	+14	+ 4	− 6	+ 1	+13	−12	−50	2	3.46
69179	14 09 37.48	−21 11 47.7	8.88	1 H	212.406 149 42	−21.196 574 74	5.56	−21.58	− 5.74	1.12	0.85	1.43	1.34	1.25	−14	−30	−32	+18	+ 9	+ 1	−13	−47	+40	−39	0	−0.81
69180	14 09 38.84	+10 15 30.8	7.93	G	212.411 827 42	+10.258 566 28	8.80	−49.11	−10.99	0.83	0.67	1.03	0.88	0.71	−38	+ 2	−31	−12	+ 4	+ 0	+ 9	+11	−12	−58	0	0.63
69181	14 09 40.11	+23 09 17.3	8.49	H	212.417 119 92	+23.154 814 96	1.52	−63.91	− 6.35	0.85	0.77	1.12	0.86	0.81	−27	− 8	+ 5	−21	−15	+ 4	− 9	− 4	−16	−54	0	−0.39
69182	14 09 41.01	+14 24 55.4	8.36	G	212.420 865 45	+14.415 393 94	3.21	3.81	3.32	0.91	0.73	1.18	1.01	0.78	−21	−22	−25	+49	− 4	−19	− 7	+45	−16	−36	0	0.71
69183	14 09 41.96	+25 50 45.5	7.93	G	212.424 841 19	+25.845 984 87	2.13	− 8.23	0.81	0.86	0.71	1.02	0.83	0.73	−15	+ 0	− 8	−19	−13	−14	−15	−18	+14	−40	2	1.51
69184	14 09 44.52	+37 19 48.1	7.59	H	212.435 518 43	+37.330 018 89	11.80	−48.25	11.43	0.43	0.56	0.87	0.47	0.60	+26	+ 4	+ 1	+12	− 7	−16	− 9	− 5	−20	+21	1	0.83
69185	14 09 44.99	+31 15 22.7	7.28	H	212.437 473 34	+31.256 302 42	10.89	10.85	101.74	0.51	0.59	0.84	0.79	0.63	−31	+17	−19	+31	− 4	− 1	− 5	+ 8	+ 8	−28	1	1.76
69186	14 09 45.15	+18 19 37.2	9.17	H	212.438 114 60	+18.327 008 69	5.96	−13.36	−25.23	1.03	0.81	1.30	1.04	0.87	−25	−22	− 7	+ 9	+ 3	+ 2	+ 8	+20	−17	−40	2	−1.16
69187	14 09 46.53	+19 44 24.6	7.75	G	212.443 864 30	+19.740 170 25	4.18	−35.96	− 4.35	0.75	0.58	0.91	0.81	0.60	−11	+ 3	− 9	+ 7	− 6	+ 6	− 5	+25	−20	−15	0	1.20
69188	14 09 47.85	−33 12 31.2	9.17	H	212.449 385 34	−33.208 679 62	2.15	−24.42	6.56	1.12	0.83	1.28	1.70	1.09	−18	− 5	+ 7	− 7	+ 3	+19	+ 6	−24	− 8	+ 4	0	−1.49
69189 H	14 09 51.64	+11 52 08.7	9.78	H	212.465 167 27	+11.869 073 53 *	−0.43	−27.80	3.79	2.26	1.79	1.91	1.55	1.20	−36	+ 1	− 7	+25	+ 4	− 5	− 1	+14	−22	−50	2	−0.61
69190	14 09 53.82	−00 39 04.7	7.25	G	212.474 250 52	−00.651 301 46	1.87	−35.02	−16.05	0.79	0.56	0.94	0.82	0.65	−16	−28	−11	−18	−10	+10	−18	−35	+12	−36	0	0.05
69191	14 09 54.96	−53 26 19.4	4.74	H	212.478 985 99	−53.438 725 84	17.93	−144.17	−90.54	0.43	0.39	0.61	0.58	0.44	− 6	−27	+11	+27	+ 1	+ 3	− 5	+38	+15	+32	1	−0.86
69192	14 09 55.76	−44 17 02.3	7.72	2 G																						
69193	14 09 56.54	+35 04 54.6	8.93	G	212.485 573 80	+35.081 838 53	4.85	17.37	−11.47	0.75	0.71	1.14	0.92	0.79	+16	+ 9	− 6	− 9	− 4	− 8	+ 0	+16	−13	− 6	0	1.17
69194	14 09 56.74	+11 22 23.9	7.50	H	212.486 413 40	+11.373 315 91	4.31	−12.99	−30.98	0.64	0.58	0.96	0.71	0.60	−51	+ 1	−27	+30	− 5	+ 3	− 7	+21	−28	−57	0	−0.19
69195	14 09 56.96	−07 09 35.9	9.40	H	212.487 350 72	−07.159 977 14	10.93	−97.64	−43.41	1.27	0.74	1.59	1.18	0.92	−19	−56	− 8	+24	+ 1	− 2	−18	−15	+27	−35	0	−0.29
69196 H	14 09 57.25	+04 00 56.8	8.26	H	212.488 523 40	+04.015 778 78 A	4.68	− 6.91	−48.00	2.41	1.45	2.54	1.86	1.43	−11	−37	−22	−19	−20	+23	−18	−12	+10	−30	1	1.24
69197	14 09 58.51	+23 51 10.3	8.92	G	212.493 801 58	+23.852 855 85	3.63	−15.05	2.32	1.04	0.83	1.23	0.94	0.88	−24	+15	− 6	−27	−12	+ 3	−12	− 9	−13	−48	0	1.35
69198	14 09 59.72	+40 46 41.6	7.15	G	212.498 849 32	+40.778 215 52	7.12	−2.28	−2.64	0.52	0.56	0.77	0.62	0.59	+22	− 8	+ 0	−26	−21	+11	−13	+ 9	−18	+ 6	0	1.14
69199	14 10 00.06	+52 15 10.5	7.88	G	212.500 247 44	+52.252 912 90	1.68	−38.81	20.23	0.56	0.60	0.72	0.80	0.75	+19	− 6	−14	+ 9	− 6	+16	− 3	− 3	+ 8	+24	0	0.72
*69200 H	14 10 03.34	−36 59 38.1	7.87	G	212

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data										Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″		ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65		66	67	68-70
69101	10.001	0.016	9.842	0.021		0.262	0.015	G	0.29	0.02	H	9.8740	0.0025	0.036	254		9.80	9.94					1 S								G
69102	9.677	0.017	8.872	0.014		0.712	0.017	T	0.77	0.01	L	8.9150	0.0011	0.015	127		8.88	8.94		D	14087+3341	I 1	1 X S								
69103	9.022	0.013	7.802	0.009		1.043	0.012	T	1.01	0.01	L	7.8559	0.0016	0.011	100		7.84	7.88					1								S
69104	8.731	0.012	8.736	0.015		0.002	0.003	G	0.02	0.00	H	8.7376	0.0015	0.016	91		8.71	8.78		C			1								
69105	8.786	0.012	8.670	0.015		0.105	0.018	T	0.12	0.02	L	8.7064	0.0013	0.017	112		8.68	8.74					1								
69106	9.767	0.017	8.601	0.011		0.980	0.015	G	0.96	0.01	H	8.6564	0.0016	0.016	128		8.63	8.69		C			1								
69107	7.772	0.007	6.582	0.004		1.023	0.005	G	1.00	0.00	H	6.6333	0.0007	0.006	115		6.62	6.64		C			1								S
69108	9.914	0.024	9.451	0.024		0.450	0.027	T	0.52	0.03	L	9.5036	0.0022	0.022	87		9.47	9.55		C			1								
69109						1.147	0.003	G	1.24	0.00	I	11.1955	0.0043	0.047	92		11.12	11.26		C			1								G
69110	11.232	0.071	9.276	0.022		1.658	0.061	T	2.07	0.13	O	9.1492	0.0059	0.043	78		9.08	9.22		U 2			1								
69111	10.622	0.057	8.910	0.023		1.429	0.049	T	1.42	0.08	L	8.9432	0.0012	0.012	61		8.92	8.98		D			1								
69112	6.598	0.004	4.960	0.002		1.368	0.003	G	1.34	0.06	F	4.9527	0.0007	0.008	117		4.94	4.96					1 O								S
69113	6.117	0.004	6.171	0.004		−0.056	0.002	G	−0.03	0.00	H	6.1784	0.0007	0.006	81		6.17	6.19		C	14089−4328	I 1	1								S
69114	9.379	0.014	8.762	0.013		0.550	0.015	G	0.62	0.01	H	8.8269	0.0014	0.018	130		8.79	8.87					1 G								S
69115	11.395	0.078	10.794	0.076		0.560	0.096	T	0.63	0.09	L	11.0180	0.0047	0.041	104		10.94	11.10		C			1								G
69116	9.380	0.018	8.832	0.016		0.513	0.022	T	0.59	0.02	L	8.9072	0.0017	0.015	98		8.88	8.94					1								S
69117	9.918	0.021	9.384	0.020	A	0.600	0.495	G	0.54	0.08	L *	9.3866	0.0023	0.022	123	*	9.35	9.42		D	14089+4608	I 1	2 C A	AB	196	4.349	0.016		2.49	0.08	S
69118	9.881	0.022	8.306	0.011		1.330	0.015	G	1.29	0.02	H	8.3121	0.0017	0.018	136		8.29	8.34		C			1								S
69119	9.601	0.022	8.876	0.019	*	0.603	0.003	G	0.67	0.00	H *	8.9455	0.0024	0.015	78	*	8.92	8.97		C	14089−2623	H 1	2 C B	AB	39	0.342	0.057		3.10	0.33	
69120	9.158	0.013	7.707	0.008		1.223	0.012	T	1.18	0.01	L	7.7355	0.0013	0.013	160		7.72	7.76		C			1								S
69121	9.559	0.017	9.097	0.017		0.435	0.022	T	0.50	0.02	L	9.1666	0.0020	0.017	112		9.14	9.19					1								S
69122	6.370	0.003	6.341	0.005		0.031	0.005	T	0.05	0.00	L	6.3561	0.0013	0.010	100		6.34	6.37					1								S
69123	10.392	0.031	8.552	0.012		1.530	0.026	T	1.57	0.06	L	8.4743	0.0024	0.020	113		8.44	8.51		R			1								
69124	9.983	0.020	9.179	0.016		0.711	0.020	T	0.76	0.02	L	9.2172	0.0029	0.023	156		9.17	9.28					1								
69125	9.990	0.025	8.777	0.016		1.037	0.023	T	1.01	0.02	L	8.8334	0.0017	0.014	95		8.81	8.87		C			1								
69126	9.126	0.018	7.297	0.008		1.589	0.007	G	2.32	0.05	F	7.1208	0.0070	0.034	55		7.07	7.18		U 2			1 S								S
69127	7.717	0.007	6.560	0.005		1.003	0.004	G	1.03	0.02	A	6.6175	0.0012	0.008	79		6.61	6.63					1								S
69128	8.850	0.017	7.805	0.012		0.908	0.016	T	0.91	0.01	L	7.8625	0.0015	0.010	49		7.84	7.88		C			1								S
69129	10.417	0.025	9.340	0.016		0.875	0.003	G	0.92	0.00	H	9.3993	0.0021	0.021	191		9.37	9.44					1								
69130	8.962	0.016	8.793	0.019		0.154	0.024	T	0.17	0.03	L	8.8267	0.0021	0.018	79		8.80	8.86			14090−4535	I 1	1								
69131	9.154	0.013	7.795	0.008		1.151	0.012	T	1.11	0.01	L	7.8641	0.0015	0.012	128		7.85	7.89		C			1								S
69132	9.269	0.017	8.254	0.012		0.885	0.016	T	0.89	0.01	L	8.3134	0.0009	0.011	88		8.29	8.33		C			1								
69133	10.034	0.027	8.944	0.018		0.942	0.025	T	0.93	0.02	L	9.0169	0.0018	0.019	94		9.00	9.05					1								
69134	9.058	0.014	8.908	0.018		0.311	0.015	G	0.36	0.02	H	8.9272	0.0019	0.025	210		8.88	8.97		U			1								
69135											T	11.3850	0.0055	0.054	122		11.29	11.47		C			1 S								G
69136	9.659	0.018	8.996	0.016		0.615	0.020	T	0.68	0.02	L	9.0734	0.0020	0.017	118		9.05	9.10		C			1								S
69137	9.315	0.012	8.602	0.010		0.649	0.004	G	0.71	0.00	H	8.6437	0.0019	0.020	186		8.61	8.69					1								
69138	10.059	0.023	9.494	0.021		0.529	0.028	T	0.60	0.03	L	9.5994	0.0021	0.017	112		9.57	9.63		C			1								
69139	11.825	0.136	10.950	0.101		0.781	0.127	T	0.82	0.09	L	10.8018	0.0043	0.038	92		10.75	10.87		D			1 X S								G
69140	8.355	0.012	7.203	0.007	*	0.990	0.011	T	0.97	0.01	L *	7.2926	0.0010	0.009	113	*	7.28	7.31		D	14092+0723	I 1	2 C A	AB	354	5.025	0.019		3.30	0.07	S
69141	10.657	0.037	9.522	0.022		0.976	0.034	T	0.96	0.03	L	9.5970	0.0029	0.026	124		9.56	9.64					1								
69142	10.770	0.039	9.594	0.023		1.008	0.035	T	0.98	0.03	L	9.6399	0.0024	0.023	120		9.58	9.69					1								
69143	8.368	0.012	7.825	0.012		0.516	0.013	T	0.59	0.01	L	7.8824	0.0009	0.009	74		7.87	7.91					1 G								S
69144	9.065	0.014	8.559	0.014		0.476	0.018	T	0.55	0.02	L	8.6053	0.0014	0.013	107		8.58	8.63					1								S
69145	11.575	0.079	9.960	0.030		1.352	0.067	T	1.32	0.08	L	9.9566	0.0025	0.022	113		9.92	10.00		R			1								
69146	9.738	0.018	8.441	0.011		1.103	0.016	T	1.07	0.02	L	8.5241	0.0017	0.016	138		8.50	8.55					1								S
69147	9.761	0.028	8.622	0.019		0.980	0.015	G	0.96	0.01	H	8.6796	0.0015	0.014	90		8.65	8.71		C			1								
69148	11.204	0.057	10.702	0.059		0.472	0.074	T	0.54	0.08	L	10.7401	0.0037	0.040	164		10.68	10.80		C			1								G
69149	10.068	0.032	8.834	0.020		1.054	0.029	T	1.02	0.02	L	8.8999	0.0020	0.013	78		8.88	8.92		C			1								
69150	11.391	0.069	10.372	0.044		0.877	0.064	T	0.89	0.05	L	10.5082	0.0016	0.025	117		10.47	10.57		D			1								G
69151	10.177	0.029	9.458	0.024		0.661	0.030	T	0.72	0.03	L	9.5613	0.0026	0.019	91		9.54	9.59					1								S
69152	10.192	0.033	9.285	0.024		0.790	0.031	T	0.82	0.02	L	9.3879	0.0022	0.018	91		9.35	9.43		C			1								
69153	10.590	0.037	8.841	0.016		1.458	0.032	T	1.46	0.05	L	8.8378	0.0018	0.019	115		8.80	8.86		C			1								
69154	9.674	0.021	9.166	0.020		0.488	0.022	T	0.56	0.02	L	9.2244	0.0018	0.018	95		9.20	9.25		C			1								
69155	10.077	0.019	9.473	0.018		0.562	0.019	T	0.64	0.02	L	9.5297	0.0021	0.029	186		9.47	9.58					1 S								G
69156	9.495	0.015	9.373	0.019		0.118	0.004	G	0.13	0.00	H	9.3808	0.0021	0.023	167		9.33	9.43		U			1								
69157	8.391	0.010	7.842	0.013		0.520	0.012	T	0.59	0.01	L	7.8863	0.0017	0.012	84		7.86	7.91					1								S
69158	9.169	0.011	8.073	0.008		0.947	0.010	T	0.94	0.01	L	8.1404	0.0011	0.013	151		8.12	8.17		C			1								S
69159	10.068	0.019	8.636	0.010		1.208	0.017	T	1.17	0.02	L	8.6829	0.0019	0.023	210		8.64	8.72					1								
69160	8.759	0.012	8.015	0.011		0.656	0.002	G	0.72	0.00	H	8.0856	0.0012	0.011	91		8.06	8.12					1 G								S
69161	7.282	0.005	7.320	0.006		−0.030	0.007	T	−0.01	0.01	L	7.3250	0.0015	0.011	100		7.31	7.34					1								S
69162	8.067	0.008	7.906	0.011		0.155	0.013	T	0.17	0.01	L	7.9453	0.0015	0.011	87		7.93	7.97		C			1								S
69163						1.500	0.020	G	1.94	0.00	A	11.9218	0.0073	0.056	94		11.79	12.02					1								D
69164	8.681	0.010	8.155	0.010		0.494	0.013	T	0.57	0.01	L	8.1788	0.0016	0.013	128		8.16	8.20		C			1								
69165	8.098	0.010	6.907	0.007		1.020	0.010	T	0.99	0.01	L	6.9665	0.0009	0.008	97		6.95	6.98		C			1								S
69166	9.670	0.014	8.996	0.012		0.624	0.015	T	0.69	0.01	L	9.0804	0.0016	0.019	172		9.05	9.12		C			1								
69167											T	12.1030	0.0091	0.089	113		11.89	12.24		U			1 S								G
69168						1.269	0.009	G	1.44	0.01	I	11.3173	0.0068	0.038	67		11.25	11.39		C			1								G
69169	9.914	0.024	8.346	0.012		1.300	0.015	G	1.26	0.02	H	8.3515	0.0018	0.016	94		8.32	8.38		C			1								S
69170	9.863	0.019	8.563	0.012		1.105	0.018	T	1.07	0.02	L	8.6135	0.0019	0.020	118		8.58	8.65					1								
69171	8.009	0.008	7.498	0.008		0.460	0.015	G	0.53	0.02	H	7.5561	0.0012	0.011	114		7.54	7.57					1								S
69172	9.991	0.027	9.516	0.027		0.447	0.035	T	0.52	0.04	L	9.5662	0.0028	0.021	94		9.52	9.62					1								
69173	9.265	0.024	9.200	0.031	A	0.200	0.495	G	0.06	0.03	L *	9.1630	0.0027	0.023	83	*	9.13	9.20		D	14096−4655	I 1	2 C A	AB	56	4.049	0.021		2.57	0.09	
69174	5.905	0.003	5.953	0.003		−0.053	0.005	G	−0.03	0.01	H	5.9574	0.0030	0.025	175		5.93	5.99	1.46	P 1 A	14096−5130	I 1	1								S
69175	9.358	0.019	8.377	0.014	*	0.860	0.018	T	0.87	0.01	L *	8.3900	0.0026	0.019	81	*	8.36	8.41		D	14096−4728	I 1	2 C A	AB	88	0.752	0.004		0.79	0.02	
69176	9.892	0.024	9.285	0.022		0.519	0.012	G	0.59	0.01	H	9.3977	0.0024	0.019	84		9.37	9.43		C			1								
69177	9.316	0.015	9.221	0.019	A	0.300	0.495	G	0.07	0.04	L *	9.1600	0.0019	0.018	112	*	9.13	9.19		D	14096−5051	I 1	2 C A	AB	91	3.875	0.014		2.39	0.06	
69178	7.384	0.006	6.930	0.005		0.442	0.006	T	0.51	0.01	L	6.9686	0.0009	0.008	104		6.95	6.99					1								S
69179	9.325	0.020	8.887	0.020		0.413	0.026	T	0.48	0.03	L	8.9716	0.0035	0.026	66		8.94	9.01		U			1								S
69180	8.211	0.011	7.926	0.011		0.243	0.007	G	0.27	0.01	H	7.9946	0.0015	0.013	94		7.97	8.02					1								S
69181	10.002	0.022	8.610	0.012		1.150	0.015	G	1.11	0.01	H	8.6535	0.0017	0.018	109		8.63	8.70		C			1								
69182	10.035	0.025	8.488	0.013		1.280	0.015	G	1.24	0.02	H	8.5223	0.0014	0.016	107		8.50	8.55					1								
69183	9.914	0.023	8.092	0.010		1.490	0.015	G	1.49	0.09	H	8.0612	0.0018	0.016	101		8.03	8.09		C			1								S
69184	7.997	0.006	7.620	0.006		0.357	0.008	T	0.42	0.01	L	7.6725	0.0011	0.014	192		7.65	7.70					1								S
69185	8.324	0.009	7.360	0.006		0.835	0.008	T	0.85	0.01	L	7.4234	0.0008	0.010	153		7.41	7.44		C			1								S
69186	9.843	0.023	9.242	0.021		0.560	0.027	T	0.63	0.03	L	9.2934	0.0021	0.021	96		9.26	9.33					1								S
69187	9.479	0.018	7.899	0.010		1.290	0.015	G	1.25	0.02	H	7.9267	0.0013	0.011	98		7.91	7.96		C			1								S
69188	10.104	0.028	9.243	0.021		0.755	0.027	T	0.80	0.02	L	9.3095	0.0023	0.020	81		9.28	9.34		C			1								
69189	10.654	0.037	9.885	0.030	*	0.700	0.038	T	0.76	0.03	L *	9.9276	0.0024	0.021	139	*	9.89	9.96		C	14099+1152	H 1	2 C A	AB	294	0.258	0.010		0.21	0.24	
69190	9.296	0.014	7.433	0.007		1.549	0.012	T	1.61	0.03	L	7.3827	0.0012	0.011	110		7.36	7.40					1								S
69191	5.933	0.003	4.844	0.002		0.938	0.004	G	0.92	0.02	A	4.9002	0.0006	0.006	152		4.89	4.91		C	14099−5326	I 1	1								S
69192						0.031	0.019	G	0.05	0.01	H	7.9679	0.0473	0.333	82		7.74	9.40		U	14099−4417	I 1	S								S G
69193	9.253	0.012	8.951	0.013		0.260	0.015	G	0.29	0.02	H	9.0167	0.0018	0.022	145		8.98	9.06					1								S
69194	7.626	0.006	7.514	0.006		0.109	0.008	T	0.12	0.01	L	7.5445	0.0007	0.007	136		7.53	7.56					1								S
69195	10.183	0.033	9.471	0.028		0.655	0.035	T	0.72	0.03	L	9.5367	0.0019	0.020	90		9.50	9.58					1 G								
69196	8.785	0.015	8.241	0.014	*	0.510	0.019	T	0.58	0.02	L *	8.3686	0.0027	0.017	92	*	8.35	8.41		R	14100+0401	I 1	2 C A	AB	33	4.794	0.003		0.27	0.01	S
69197	10.199	0.028	9.014	0.018		1.020	0.015	G	0.99	0.01	H	9.0964	0.0019	0.015	90		9.06	9.13		C			1								
69198	8.734	0.010	7.280	0.006		1.210	0.015	G	1.17	0.01	H	7.3231	0.0011	0.012	135		7.30	7.35					1								S
69199	9.092	0.012	7.975	0.009		0.960	0.015	G	0.95	0.01	H	8.0393	0.0010	0.009	132		8.02	8.06					1								S
69200	8.247	0.028	7.929	0.033	*	0.345	0.015	G	0.40	0.02	H *	7.9700	0.0026	0.014	80	*	7.94	8.00		D	14101−3700	I 1	2 C A	AB	269	5.710	0.009		1.87	0.05	S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg	mas	mas/yr		mas		mas	mas/yr												%	
1 2	3	4	5 6 7		8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
*69201	14 10 03.25	−61 31 12.8	9.68 G		212.513 541 94	−61.520 209 61	20.95	−460.09	−644.77	1.20	1.08	1.65	1.57	1.24	+19	−13	−	4	+	7	+32	+	1	+24	+14	+12	+59	1	1.84
69202	14 10 04.89	−46 16 09.0	8.19 H		212.520 388 01	−46.269 179 18	18.64	−92.17	−112.45	0.93	0.75	1.18	1.02	0.82	−12	−34	+	3	−	1	+	1	−19	−	4	−25	+23	−	2	0	0.25
69203	14 10 04.90	−08 22 18.2	8.89 H		212.520 436 41	−08.371 735 47	5.81	−0.59	11.13	1.09	0.73	1.26	1.28	0.91	−	8	−29	−25	−	1	+	3	−	8	−10	−41	+35	−20	0	1.44
69204	14 10 07.13	−74 26 34.6	8.97 H		212.529 709 20	−74.442 950 54	1.33	−12.32	−18.90	0.87	0.73	1.06	0.97	0.95	+11	−29	−11	−18	+13	−21	+	7	−	1	+	9	+16	0	1.41
69205	14 10 07.56	+06 21 27.0	10.16 H		212.531 492 81	+06.357 500 90	8.58	−47.19	−35.17	1.33	1.09	1.75	1.41	1.14	−19	−31	−28	+	5	−10	+27	+	4	+	4	−21	−38	0	0.41
69206 H	14 10 07.76	+26 35 58.1	8.33 H		212.532 312 74	+26.599 470 02 A	13.81	−172.44	−53.01	1.66	1.39	1.74	1.61	1.36	−16	+10	−16	+	1	−30	+	3	−28	−10	+13	−43	2	−0.56
69207	14 10 08.83	+68 51 48.2	6.54 H		212.536 796 27	+68.863 392 56	4.61	0.37	−3.56	0.46	0.51	0.54	0.49	0.61	+	3	−	9	−12	+	1	+	9	−	1	+10	+16	+	7	−	5	0	0.30
69208	14 10 09.24	+17 43 01.2	9.04 G		212.538 519 90	+17.717 008 34	4.40	−7.35	−3.08	0.88	0.73	1.17	0.99	0.79	−31	−12	−17	+23	+19	−24	+11	−11	+	0	−45	0	1.18
69209	14 10 10.93	−45 54 49.7	7.64 H		212.545 548 75	−45.913 794 16	2.39	−11.04	−6.31	0.83	0.60	1.00	0.91	0.73	+	4	−25	−	7	−23	−	8	−18	−16	−28	+28	−	4	0	−0.11
69210	14 10 12.00	+52 05 50.5	8.98 H		212.549 990 47	+52.097 362 67	14.46	10.32	−13.49	0.71	0.77	0.92	0.93	0.90	+16	−	3	−17	+19	−	6	+14	−	4	+	5	+11	0	−0.20
69211	14 10 12.39	−25 24 02.3	7.42 2 H		212.551 608 91	−25.400 651 16	8.29	−72.64	−6.00	0.80	0.61	1.05	0.97	0.91	−15	−20	−36	+30	+	9	−	3	−	9	−36	+40	−42	0	−0.66
69212	14 10 13.06	−51 56 43.3	9.06 H		212.554 397 54	−51.945 363 14	3.70	−10.04	−6.15	0.72	0.78	1.21	1.02	0.90	−37	−20	+17	+18	−15	+	6	−29	+48	+14	+19	0	−0.07
69213	14 10 13.07	−30 37 15.2	6.77 G		212.554 440 82	−30.620 887 87	8.51	−48.36	−27.11	0.69	0.55	0.83	0.84	0.71	−29	−19	−13	+13	−21	+12	−19	+10	−	1	−31	2	−0.61
69214	14 10 13.20	+19 21 19.3	8.75 H		212.555 014 31	+19.355 368 98	13.78	−17.06	−15.56	0.85	0.69	1.05	0.95	0.70	−18	−	9	−17	+	7	−	2	+	2	+	1	+37	−28	−23	0	0.00
69215	14 10 13.76	−45 04 40.7	8.63 H		212.557 338 70	−45.077 966 44	−0.29	−20.39	−6.64	1.06	0.83	1.29	1.07	0.98	−	1	−16	+22	−31	−16	−30	−12	−28	+	1	−	6	2	0.55
69216	14 10 14.37	−62 22 41.1	9.18 H		212.559 856 42	−62.378 072 05	2.79	−4.18	−2.68	0.79	0.92	1.39	0.92	0.99	+23	−24	−	7	+25	+25	−10	+20	+24	+10	+45	0	0.67
69218	14 10 15.76	−52 52 59.4	8.92 H		212.565 671 15	−52.883 163 69	11.44	41.45	20.96	0.74	0.71	1.11	0.88	0.71	−	7	−27	+20	+29	−	8	−	6	−14	+55	+13	+29	1	0.92
69219	14 10 15.80	−00 17 57.1	9.15 G		212.565 813 70	−00.299 203 94	7.56	−134.72	−76.40	1.10	0.73	1.34	1.11	0.86	−10	−26	−18	−29	−13	+14	−21	−38	+25	−29	0	0.35
69220	14 10 17.59	−44 59 20.2	8.29 G		212.573 305 34	−44.988 955 84	20.49	26.58	−312.49	0.96	0.68	1.10	0.93	0.83	+	1	−29	+12	−30	−17	−21	−18	−22	+	6	−	3	0	0.42
69221	14 10 19.05	+30 57 10.4	9.29 G		212.579 388 90	+30.952 900 60	−0.51	4.65	−10.10	0.82	0.89	1.29	1.24	0.98	−27	+12	−22	−	7	+	7	−25	+	4	−19	+25	−43	0	0.04
69222	14 10 19.81	−14 13 15.2	7.59 H		212.582 527 55	−14.220 896 86	3.28	58.86	−141.09	0.81	0.59	0.88	0.86	0.63	−20	−23	−	6	+24	+	9	−	3	+	9	−	9	+16	−	7	2	3.41
69223	14 10 19.98	+35 26 53.1	8.80 H		212.583 232 21	+35.448 089 49	4.52	−26.11	−22.70	0.64	0.69	1.10	0.77	0.82	+15	+	7	−10	−32	+	3	−10	+10	+18	−15	−	1	1	−0.33
69224	14 10 21.70	−44 58 42.8	9.63 G		212.590 408 65	−44.978 552 66	20.63	37.09	−314.16	1.40	1.06	1.70	1.44	1.30	−	4	−26	+12	−23	−12	−25	−13	−28	+	6	−	7	0	0.42
69225	14 10 23.41	−30 05 15.7	7.14 H		212.597 527 04	−30.087 680 61	5.52	3.62	4.22	0.76	0.58	0.95	0.92	0.83	−28	−25	−19	+18	−17	+	8	−22	+	0	+10	−42	0	1.03
69226	14 10 23.95	+25 05 30.6	4.82 G		212.599 785 22	+25.091 822 93	27.27	−23.02	−60.07	0.72	0.49	0.78	0.72	0.49	−	1	+	7	+	3	−23	−23	+	5	−19	+	2	−26	−22	0	−0.28
69227 H	14 10 25.80	+39 31 35.1	7.97 H		212.607 513 58	+39.526 403 73 *	11.54	−1.66	−44.86	1.66	2.06	1.13	0.89	0.97	+30	−	2	−11	−	9	−15	−	8	−10	+11	−	5	+	3	2	1.71
69228	14 10 26.02	−26 52 53.3	8.28 G		212.608 428 43	−26.881 478 81	11.24	−30.21	−4.42	0.86	0.73	1.21	1.05	1.02	−30	−25	−21	+	3	+	8	−	6	−	2	−40	+42	−30	0	0.31
69229 H	14 10 26.56	−39 23 49.0	8.65 H		212.610 656 31	−39.396 947 04 A	1.28	−9.38	−7.63	4.77	3.12	4.40	4.06	3.22	−21	+	0	+	8	−13	−	7	−12	−11	−18	+	2	−	9	2	0.98
69230	14 10 26.92	+27 37 57.7	8.55 H		212.612 166 71	+27.632 707 76	20.58	21.39	−42.07	0.65	0.74	1.03	0.85	0.85	−19	+	9	−15	−11	−	3	−10	−	2	−	7	+11	−29	0	1.04
69231	14 10 27.11	+33 59 34.6	10.73 H		212.612 952 98	+33.992 937 34	5.96	−155.25	24.59	1.17	1.29	1.88	1.34	1.26	−	8	−11	−32	+	1	+	4	−12	+	1	+16	−	4	−19	0	1.55
69232	14 10 27.28	−13 56 00.3	10.67 G		212.613 669 83	−13.933 411 56	6.80	−337.04	−458.35	1.80	1.27	1.96	1.86	1.35	−	8	−26	−25	+10	+15	+	2	+15	−37	+24	+	2	2	0.18
69233	14 10 28.19	−61 15 58.1	9.22 H		212.617 458 60	−61.266 149 72	−0.29	−3.03	−6.19	1.03	0.91	1.46	1.19	0.99	+19	−19	−21	+	0	+27	−20	+19	+	9	−	7	+53	0	0.09
69234	14 10 28.55	+14 24 51.6	8.49 H		212.618 948 30	+14.414 343 76	2.72	−4.35	−49.54	1.03	0.73	1.18	1.11	0.81	−20	−28	−10	+56	−	6	−22	−	6	+46	−	9	−36	0	0.91
69235	14 10 28.57	+04 59 54.0	11.06 H		212.619 022 24	+04.998 334 63	6.40	50.00	−31.56	2.07	1.53	2.67	2.36	1.72	−15	−15	−	8	−13	−	9	+37	−	6	−23	−16	−25	0	0.67
*69236	14 10 28.76	−06 33 34.5	7.89 H		212.619 814 77	−06.559 593 47	3.26	−21.61	−5.82	1.04	0.54	1.17	1.04	0.65	−13	−49	−10	+24	+	3	+	5	−10	−23	+30	−15	0	0.65
*69237	14 10 28.72	−29 08 02.1	9.69 H		212.619 679 52	−29.133 918 54	11.45	−74.58	−115.90	1.24	1.09	1.65	1.57	1.47	−21	−	9	−31	−19	+	4	−	3	+	2	−52	+35	−16	0	1.13
69238	14 10 29.01	+38 00 13.5	8.29 H		212.620 858 96	+38.003 745 60	14.00	7.20	84.13	0.48	0.69	0.95	0.56	0.75	+34	−	2	−	7	+	6	+	2	−16	+	0	+12	−21	+28	0	1.32
69239	14 10 29.20	+69 21 32.8	8.27 H		212.621 671 45	+69.359 120 78	2.71	−2.26	5.07	0.65	0.70	0.73	0.78	0.82	+	0	+	3	−17	−	5	+	3	−	7	+	3	+27	−	3	−	4	2	1.94
69240	14 10 29.46	+72 35 25.4	8.80 1 H		212.622 731 14	+72.590 399 16 A	18.84	−62.17	−94.72	1.19	1.21	1.24	1.24	1.18	−	3	−25	−16	+	7	−	5	−	1	+	1	+9	−19	−12	1	0.88
69241	14 10 30.91	−70 18 19.6	6.07 1 H		212.628 796 82	−70.305 450 37	−0.27	−5.89	−5.84	0.38	0.46	0.60	0.48	0.57	+14	−	7	+10	−	5	+	3	−14	+	1	+12	+	9	+28	0	0.78
69242	14 10 31.40	−05 27 27.3	8.31 H		212.630 836 01	−05.457 584 46	4.20	−20.17	−18.70	1.13	0.62	1.11	1.16	0.70	−15	−31	+	3	+44	+	6	+	5	+	4	−15	+13	−10	0	−1.40
69243 H	14 10 31.97	−66 36 10.1	8.40 2 H		212.633 205 69	−66.602 809 23 A	2.33	−32.92	−16.89	1.22	1.36	1.83	1.32	1.53	+35	−25	+15	+	5	+	3	−17	+10	−	7	−15	+51	3	2.08
69244	14 10 32.29	−60 52 22.2	9.57 H		212.634 554 22	−60.872 827 63	1.28	−6.40	−6.45	1.02	0.89	1.37	1.06	0.95	+	8	−37	+	4	+	3	+	3	−	1	−	3	+15	+	8	+36	0	−0.98
69245 H	14 10 33.33	+05 28 20.0	9.59 H		212.638 880 73	+05.472 225 60 A	14.87	−24.59	13.86	2.35	1.62	2.58	2.16	1.66	−	4	−42	−22	−21	−19	+33	−15	−12	+	6	−24	1	1.28
69246	14 10 33.77	+37 29 34.4	8.51 G		212.640 709 88	+37.492 885 74	9.69	−50.65	9.06	0.54	0.71	1.06	0.59	0.78	+31	+	1	−	3	+17	−	4	−	5	−	5	−	1	−	4	+24	0	0.69
69247	14 10 33.78	−17 59 27.3	9.32 G		212.640 761 11	−17.990 908 00	1.77	1.94	−4.00	1.36	0.89	1.40	2.49	1.22	−	8	+	5	−	8	+12	−17	−14	−	7	−11	−20	+30	6	0.94
69248	14 10 34.31	+15 28 28.8	8.72 H		212.642 947 56	+15.474 665 06	1.49	−21.26	11.25	0.82	0.76	1.12	0.96	0.88	−39	+	8	−22	−	1	+10	−	4	+10	+	2	−	5	−55	0	−0.09
69249	14 10 34.50	−28 26 25.4	11.23 G		212.643 765 94	−28.440 381 15	21.02	202.27	−180.55	1.86	1.71	2.48	1.98	2.15	−30	−17	−28	−21	+17	−	6	+11	−56	+33	−30	0	−1.99
69250	14 10 35.34	+56 56 35.6	10.47 H		212.647 260 99	+56.943 223 87	3.92	4.20	5.11	0.94	1.10	1.19	1.10	1.24	+15	−	5	−23	−15	−10	+	6	−	9	−13	+	5	−	2	0	0.13
69251	14 10 36.03	+20 41 55.7	9.88 H		212.650 114 89	+20.698 811 12	4.88	−27.30	0.60	1.11	0.85	1.36	1.28	0.88	−	6	−22	−26	−	5	−	1	+	0	+	2	+15	−13	−17	0	−0.65
69252	14 10 36.23	+49 27 15.3	8.82 H		212.650 941 32	+49.454 242 03	6.20	−15.67	−47.66	0.63	0.75	0.89	0.80	0.87	+13	−17	−21	+	7	−	7	+11	−11	−19	+14	−	6	0	0.25
69253	14 10 36.77	+39 25 39.6	8.92 H		212.653 194 07	+39.427 664 53	0.75	4.42	−4.95	0.69	0.83	1.16	0.88	0.91	+17	+	8	−	2	+13	−16	−15	−14	+18	−14	+	6	1	1.81
69254	14 10 39.07	+53 22 19.1	8.34 H		212.662 796 06	+53.371 984 95	2.05	−23.57	20.72	0.63	0.68	0.79	0.70	0.77	+12	−10	−19	−	9	−	2	+	0	−	4	−19	+11	−	7	0	1.26
*69255 H	14 10 41.41	+41 07 34.4	9.54 H		212.672 555 41	+41.126 219 08 A	6.17	−46.43	−0.76	1.61	1.75	2.01	1.68	1.71	+	3	+	4	+	5	−14	−16	+	6	−13	−	6	−21	−	3	1	0.56
*69256	14 10 41.34	−47 46 08.3	7.54 2 T		212.672 237 49	−47.768 967 79	15.88	−87.94	−10.17	0.74	0.64	0.93	0.77	0.76	−	8	−32	+	8	+13	+	2	−	7	−	1	−11	+	8	−10	0	1.75
69257	14 10 41.62	−44 38 08.3	10.66 H		212.673 425 65	−44.635 637 11	2.45	1.54	9.74	1.96	1.58	2.60	1.94	2.00	+	0	−33	−14	−	9	+	2	−23	−10	−29	+19	−12	0	−1.23
69258	14 10 42.05	−39 42 55.6	7.95 H		212.675 205 42	−39.715 430 59	1.12	−25.48	5.69	0.84	0.62	1.09	0.80	0.82	+	1	−41	−21	−	3	−	1	−13	−20	−25	+31	−29	0	−0.31
69259	14 10 43.29	+16 21 13.1	9.56 H		212.680 370 49	+16.353 637 97	3.16	−47.05	−3.16	1.02	0.94	1.35	1.22	1.16	−35	+	4	−14	−	2	+21	−	4	+19	−15	−	7	−50	0	−0.29
69260	14 10 43.38	+15 17 26.7	6.95 H		212.680 750 61	+15.290 762 03	3.12	−13.21	−2.77	0.63	0.59	0.89	0.74	0.69	−36	−	2	−23	+14	+	2	−13	+	0	+19	−	5	−56	0	0.76
69261	14 10 43.97	−62 28 44.4	7.63 H		212.683 226 37	−62.479 004 17	0.60	−4.95	−3.47	0.46	0.63	0.93	0.55	0.65	+30	−15	−	9	+23	+17	+	1	+14	+11	+22	+44	1	1.86
69262	14 10 44.86	+05 48 16.5	8.50 G		212.686 935 20	+05.804 594 96	4.66	−33.20	10.60	0.90	0.64	1.17	0.90	0.70	−	1	−42	−32	−	7	−15	+25	−	9	−13	−	3	−33	0	0.81
69263	14 10 46.62	−37 01 03.8	8.53 H		212.694 237 08	−37.017 715 56	2.61	−0.83	−4.19	1.01	0.87	1.58	1.10	1.20	−12	−16	−39	+42	+15	−	5	+	1	−46	+62	−20	0	0.50
69264	14 10 47.01	−68 03 32.3	8.77 H		212.695 872 50	−68.058 979 07	9.48	−151.97	−111.83	0.68	0.77	1.12	0.79	0.83	+36	−16	+	6	+26	+20	−23	+24	+16	−11	+51	0	0.46
69265	14 10 47.78	+00 47 58.8	6.85 G		212.699 078 67	+00.799 660 07	10.76	−43.96	−33.20	0.77	0.53	0.89	0.87	0.60	−15	−	8	−18	−22	−10	−	3	−12	−24	+14	−29	0	1.10
69266	14 10 48.87	+53 23 49.0	10.05 H		212.703 628 92	+53.396 935 28	2.18	−17.64	−2.88	1.02	1.06	1.24	1.17	1.20	+15	−12	−15	−13	−	2	+	2	−	5	−21	+14	−	7	0	−1.01
69267	14 10 49.63	+03 04 39.1	9.86 G		212.706 811 31	+03.077 529 14	1.50	−8.86	2.94	1.19	0.81	1.46	1.18	0.92	−15	−28	−11	−17	−	6	+	6	−13	−20	+26	−27	0	−0.95
69268	14 10 50.38	+70 03 49.6	7.95 H		212.709 916 00	+70.063 773 01	3.59	−39.57	18.90	0.62	0.65	0.71	0.71	0.73	−10	−11	−18	+	9	−20	+	4	−16	+27	−18	−16	0	0.03
69269	14 10 50.48	−16 18 07.2	4.93 2 H		212.710 347 88	−16.302 003 62	6.02	3.82	−10.87	0.92	0.53	0.81	1.05	0.60	−11	−	1	−11	+66	+	2	+30	+12	+13	+11	+	1	0	1.57
69270 H	14 10 51.82	+24 12 22.9	9.78 G		212.715 936 21	+24.206 364 26 A	9.36	40.78	10.20	1.70	1.50	2.02	1.64	1.46	−21	+	8	−12	−	7	−14	−	3	−16	+	4	−	5	−45	1	−0.14
69271	14 10 51.86	−32 04 32.5	6.64 H		212.716 102 47	−32.075 703 49	2.68	−16.47	0.61	0.75	0.53	0.83	1.05	0.71	−	6	−	1	−	2	−	7	−12	+	3	−11	−12	−	9	+	3	0	0.74
69272	14 10 52.19	−39 11 09.3	8.73 2 H		212.717 477 93	−39.185 918 19	1.12	−14.01	−11.24	1.10	0.73	1.31	1.38	0.93	+	7	−19	−23	−12	−	6	−15	−16	−36	+37	−	1	0	−0.28
69273	14 10 52.22	−15 11 39.7	9.84 H		212.717 591 71	−15.194 356 52	3.15	−26.84	−16.99	1.52	1.03	1.62	1.75	1.18	−22	−24	−	3	+30	+15	+17	+20	−24	+10	−	8	0	0.54
69274	14 10 52.45	+42 10 00.2	8.63 H		212.718 528 05	+42.166 708 38	2.58	−36.89	11.07	0.57	0.68	0.86	0.73	0.76	+13	+	2	−23	+12	−18	−	1	−18	+	9	−	4	−	8	3	1.06
69275	14 10 53.07	+62 31 20.0	8.28 G		212.721 125 58	+62.522 216 50	9.95	−16.72	−2.10	0.58	0.62	0.68	0.61	0.66	+12	−19	−	9	−16	−	2	+	2	+	1	+	4	−	7	+	2	0	0.33
69276	14 10 53.67	−60 13 19.3	9.57 H		212.723 628 91	−60.222 041 52	1.32	−6.75	−1.51	1.02	0.96	1.36	1.41	1.13	+13	−19	−	3	+	8	−	5	−	1	−	7	+20	+	5	+40	0	0.35
69277	14 10 54.00	−72 13 02.0	7.99 H		212.724 993 59	−72.217 234 69	1.79	−3.46	−6.82	0.59	0.65	0.85	0.67	0.73	+13	−14	+	9	+	4	+16	−	9	+13	+12	+15	+24	0	0.86
69278	14 10 54.67	−48 44 18.8	10.07 H		212.727 792 76	−48.738 558 63	3.83	11.85	−0.02	1.00	1.21	1.72	1.39	1.75	−30	−18	+21	+11	+	3	−28	+13	−11	−14	−20	3	1.38
69279	14 10 54.70	−25 19 15.6	7.85 H		212.727 933 83	−25.321 007 31	3.72	−13.57	−11.77	0.86	0.73	1.10	0.98	0.92	−29	−	5	−35	+17	+19	−	1	+18	−52	+38	−31	0	0.10
69280 H	14 10 55.71	+04 24 16.4	8.44 H		212.732 132 52	+04.404 545 72 A	14.15	−135.85	8.35	2.17	1.78	2.36	2.02	1.63	−50	−	3	−12	−10	−	8	+27	−	7	−18	−16	−41	1	1.39
69281 H	14 10 55.82	+15 12 56.4	8.28 G		212.732 582 88	+15.215 670 42 A	17.39	−79.58	−69.02	1.48	1.21	1.54	1.27	0.97	−27	−10	−31	+38	−	2	−	7	−	5	+33	−	8	−51	8	1.55
69282	14 10 57.08	−05 58 26.1	7.32 H		212.737 843 80	−05.973 913 00	14.72	−55.87	−5.22	0.84	0.56	0.91	0.96	0.64	−24	−14	−	8	+26	+	2	+	3	+	4	−22	+11	−17	0	0.19
69283	14 10 57.35	+31 52 25.1	7.42 H		212.738 948 43	+31.873 651 87 +	13.54	−128.72	−8.07	1.04	0.85	0.94	2.03	1.54	+46	−11	−24	−49	−43	+34	+34	+34	−28	−75	1	3.03
69284	14 10 57.48	+19 06 02.4	9.22 H		212.739 483 10	+19.100 663 44	6.80	−1.09	−1.08	0.94	0.71	1.14	1.05	0.74	−18	−	7	−	8	+	9	−	4	+	8	−	2	+18	−14	−22	0	0.80
69285	14 10 57.68	−31 17 26.3	10.77 H		212.740 331 21	−31.290 634 08	58.18	−320.70	126.71	1.72	1.39	2.14	2.15	1.83	−25	−21	−14	+14	−17	+16	−17	+	8	+	7	−28	0	0.78
69286	14 10 57.75	−52 03 33.6	8.88 H		212.740 629 00	−52.059 344 17	3.79	−26.33	−18.05	0.76	0.78	1.20	1.06	0.86	−24	−16	+	5	+27	−16	+12	−22	+46	+12	+21	0	0.68
*69287 H	14 10 58.17	−46 54 38.9	7.60 H		212.742 360 56	−46.910 809 25 A	6.31	−31.41	1.29	1.44	1.23	1.68	1.29	1.46	+	2	−36	−	8	−13	+	6	−	4	−12	−25	+31	−18	2	0.77
*69288	14 10 58.15	−28 21 06.6	7.37 H		212.742 282 67	−28.351 828 48	4.11	−33.19	−1.70	0.80	0.72	1.09	0.84	0.92	−27	−23	−28	−	2	+16	−	9	+	4	−46	+38	−35	0	−0.49
69289	14 10 58.50	−02 40 28.1	7.66 H		212.743 750 63	−02.674 472 36	0.82	−19.95	9.11	0.89	0.61	1.05	1.11	0.75	−24	−28	−	4	−	2	−10	−14	−14	−13	+13	−38	0	1.84
69290	14 10 59.31	−19 08 38.3	8.73 G		212.747 133 95	−19.143 980 51	2.97	4.38	11.39	1.21	0.85	1.32	1.62	1.06	−	5	−23	−28	−20	−10	+18	−	4	−45	+11	+	1	0	1.39
69291	14 10 59.63	−36 16 01.6	8.61 G		212.748 446 41	−36.267 110 67	7.14	−24.77	−20.74	0.99	0.68	1.26	1.02	0.94	−	5	−37	−27	+25	+	9	−	7	−	9	−29	+39	−22	0	1.30
69292	14 11 00.14	−41 55 38.4	12.32 H		212.750 570 51	−41.927 341 12	−4.28	−18.57	−9.04	3.34	2.42	4.12	3.53	3.11	−21	−33	−	2	+	4	−	4	−10	−14	−18	+26	−27	0	1.33
69293	14 11 00.36	+38 35 37.1	9.12 H		212.751 502 79	+38.593 643 09	8.68	−78.35	−13.03	0.67	0.91	1.27	0.82	1.00	+21	+	4	−13	+	5	−	3	+	1	−	2	+16	−16	+14	0	0.44
69294 H	14 11 00.42	+60 24 26.9	8.03 H		212.751 741 15	+60.407 478 83 A	0.50	−33.79	5.34	1.07	1.16	1.16	1.04	1.19	+13	−14	−25	−21	+	0	−14	−	7	−	2	+	1	+12	0	1.07
69295	14 11 01.33	+58 32 56.8	6.73 H		212.755 557 92	+58.549 122 67	6.44	22.86	−54.29	0.45	0.49	0.56	0.51	0.62	+	8	−11	−18	+	0	+	0	+	1	−	2	+	3	+17	+	6	0	−0.40
69296 H	14 11 01.43	−54 53 50.1	8.43 H		212.755 948 76	−54.897 255 65 *	3.16	12.39	−9.51	3.36	2.00	1.52	2.77	5.35	+	8	−23	−	9	+11	−	3	−	1	−22	−	6	+17	−	2	2	0.14
69297	14 11 01.45	−48 29 48.8	8.64 H		212.756 044 86	−48.496 882 09	2.97	−14.64	0.49	0.76	0.87	1.27	1.03	1.28	−31	−26

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
69201	10.614	0.037	9.688	0.026		0.776	0.005	G	0.88	0.02	A	9.8154	0.0028	0.029	128		9.77	9.88					1							G
69202	8.874	0.015	8.250	0.013		0.572	0.004	G	0.64	0.00	H	8.3111	0.0017	0.013	78		8.28	8.34		C			1							S
69203	10.183	0.034	9.021	0.022		0.997	0.032	T	0.98	0.03	L	9.0582	0.0018	0.013	72		9.03	9.08		C			1							
69204	10.993	0.049	9.064	0.017		1.601	0.041	T	1.62	0.04	L	9.0887	0.0021	0.020	127		9.05	9.13					1							
69205	10.767	0.042	10.260	0.044		0.476	0.055	T	0.55	0.06	L	10.2637	0.0035	0.028	85		10.21	10.34					1							
69206	8.929	0.016	8.256	0.016	*	0.623	0.019	T	0.69	0.02	L *	8.4616	0.0019	0.015	89	*	8.44	8.50		D	14101+2636	I 1	2 C	A	AB	80	2.631	0.005	0.77	0.02	S
69207	8.143	0.008	6.671	0.005		1.240	0.007	T	1.20	0.01	L	6.7018	0.0008	0.008	106		6.69	6.71		C			1							S
69208	9.697	0.020	9.049	0.017		0.490	0.015	G	0.56	0.02	H	9.1478	0.0023	0.016	99		9.12	9.17		C			1							
69209	7.740	0.007	7.644	0.010		0.087	0.011	T	0.10	0.01	L	7.6732	0.0013	0.009	76		7.65	7.69		C			1							S
69210	9.693	0.020	9.040	0.018		0.606	0.023	T	0.68	0.02	L	9.1034	0.0023	0.020	125		9.07	9.14					1							S
69211	7.996	0.010	7.474	0.010		0.495	0.015	G	0.57	0.02	H	7.5307	0.0007	0.007	72		7.52	7.65		U 2 C			1							S
69212	10.434	0.027	9.234	0.017		1.027	0.025	T	1.00	0.02	L	9.2208	0.0017	0.020	188		9.19	9.26					1							
69213	6.913	0.005	6.778	0.005		0.111	0.011	G	0.12	0.01	H	6.8133	0.0011	0.009	100		6.80	6.83					1							S
69214	9.467	0.017	8.816	0.015		0.580	0.015	G	0.65	0.01	H	8.8736	0.0019	0.016	108		8.84	8.90					1							S
69215	10.315	0.032	8.764	0.015		1.302	0.028	T	1.26	0.03	L	8.7849	0.0025	0.015	84		8.76	8.81		C			1							
69216	9.267	0.014	9.202	0.019		0.205	0.015	G	0.23	0.02	H	9.2398	0.0030	0.028	159		9.19	9.28					1							
69218	9.568	0.015	8.991	0.015		0.542	0.016	T	0.62	0.02	L	9.0359	0.0016	0.020	163		9.01	9.09					1							
69219	9.995	0.024	9.182	0.019		0.698	0.002	G	0.75	0.00	H	9.2954	0.0015	0.016	100		9.27	9.32					1							
69220	9.128	0.017	8.372	0.014		0.690	0.000	G	0.75	0.00	H	8.4389	0.0015	0.013	86		8.41	8.46		D	14103−4459	I 2	1							
69221	10.637	0.035	9.418	0.021		1.080	0.015	G	1.04	0.01	H	9.4634	0.0019	0.023	135		9.42	9.51					1							
69222	8.693	0.012	7.693	0.009		0.874	0.011	T	0.88	0.01	L	7.7495	0.0011	0.009	69		7.73	7.77		C			1							S
69223	9.353	0.011	8.851	0.011		0.460	0.015	G	0.53	0.02	H	8.9005	0.0021	0.025	182		8.86	8.94					1							S
69224	10.750	0.050	9.614	0.030		0.897	0.004	G	0.90	0.00	R	9.7779	0.0037	0.023	86		9.74	9.82		D	14103−4459	I 2	1							
69225	7.343	0.007	7.169	0.006		0.167	0.009	T	0.18	0.01	L	7.1956	0.0012	0.010	87		7.18	7.21		C	14104−3005	I 1	1							S
69226	5.457	0.003	4.875	0.003		0.541	0.012	G	0.57	0.03	C	4.9280	0.0007	0.005	76		4.92	4.94					1							S
69227	9.231	0.012	8.087	0.008	*	0.983	0.011	T	0.96	0.01	L *	8.1333	0.0010	0.015	158	*	8.11	8.16		D	14104+3932	H 1	2 C	A	AB	224	0.269	0.017	2.06	0.18	S
69228	8.887	0.012	8.333	0.012		0.515	0.015	G	0.59	0.02	H	8.3800	0.0012	0.013	90		8.36	8.40		C			1							S
69229	8.687	0.017	8.551	0.021	*	0.123	0.025	T	0.14	0.03	L *	8.7014	0.0027	0.019	84	*	8.67	8.75		D	14104−3924	I 1	2 C	A	AB	338	4.879	0.014	0.06	0.03	S
69230	9.360	0.014	8.625	0.012		0.650	0.015	G	0.71	0.01	H	8.6812	0.0015	0.019	132		8.65	8.72		C			1							S
69231	11.728	0.097	10.978	0.078		0.685	0.098	T	0.74	0.08	L	10.8707	0.0036	0.029	108		10.83	10.92					1							G
69232	11.309	0.080	10.662	0.071		0.605	0.025	G	0.67	0.02	H	10.8080	0.0045	0.031	72		10.74	10.86		C			1							G
69233	9.328	0.015	9.260	0.019		0.198	0.015	G	0.22	0.02	H	9.2846	0.0021	0.025	135		9.25	9.34					1							G
69234	9.951	0.023	8.622	0.014		1.110	0.015	G	1.07	0.02	H	8.6575	0.0019	0.014	109		8.64	8.69		C			1							S
69235						0.620	0.126	G	0.69	0.11	R	11.1862	0.0065	0.045	74		11.10	11.25		C			1							G
69236	9.116	0.017	7.988	0.012		0.971	0.016	T	0.96	0.01	L	8.0531	0.0008	0.009	83		8.03	8.07		D			1							S
69237	10.868	0.056	9.720	0.032		0.979	0.051	T	0.96	0.04	L	9.8412	0.0028	0.023	88		9.80	9.89		C			1							
69238	8.896	0.009	8.331	0.008		0.529	0.011	T	0.60	0.01	L	8.4080	0.0016	0.019	223		8.38	8.44					1 G							S
69239	9.657	0.021	8.418	0.013		1.057	0.019	T	1.02	0.02	L	8.4433	0.0016	0.011	95		8.42	8.46		C			1							
69240	9.744	0.018	8.859	0.014	A	0.773	0.018	T	0.81	0.02	L	8.9376	0.0076	0.025	133	A	8.89	9.01		U	14105+7235	M 1	2 C	A	AB	155	11.569	0.030	2.88	0.11	
69241	8.343	0.010	6.267	0.004		1.718	0.009	T	1.74	0.01	L	6.1678	0.0015	0.014	145		6.15	6.19		M	14105−7018	I 1	1							S
69242	9.497	0.018	8.427	0.013		0.927	0.017	T	0.92	0.01	L	8.4698	0.0021	0.014	87		8.45	8.50					1							
69243	8.628	0.010	8.363	0.012	*	0.249	0.016	T	0.28	0.02	L *	8.4763	0.0026	0.027	179	*	8.44	8.53		U 2	14105−6636	I 1	2 C	A	AB	11	8.179	0.012	2.01	0.04	S
69244	9.585	0.017	9.534	0.023		0.052	0.027	T	0.06	0.02	L	9.5966	0.0032	0.035	139		9.54	9.66					1							G
69245	10.413	0.040	9.729	0.033	*	0.632	0.043	T	0.70	0.04	L *	9.7194	0.0033	0.022	93	*	9.68	9.76		C	14106+0528	H 1	2 C	B	AB	276	0.878	0.026	2.49	0.13	
69246	9.276	0.010	8.557	0.008		0.640	0.015	G	0.70	0.01	H	8.6353	0.0018	0.019	203		8.60	8.67		C			1							S
69247	9.362	0.026	9.313	0.034		0.058	0.036	G	0.07	0.03	H	9.3470	0.0035	0.019	53		9.32	9.37		C			1							
69248	9.995	0.022	8.838	0.015		0.993	0.021	T	0.97	0.02	L	8.8834	0.0019	0.019	113		8.85	8.92					1							S
69249						1.250	0.008	G	1.41	0.01	I	11.3505	0.0040	0.042	102		11.28	11.43		C			1							G
69250	10.907	0.045	10.492	0.048		0.392	0.061	T	0.46	0.07	L	10.5585	0.0038	0.029	116		10.52	10.60		C			1							
69251	10.358	0.032	9.879	0.033		0.451	0.042	T	0.52	0.04	L	9.9808	0.0024	0.023	103		9.94	10.02					1							
69252	9.520	0.016	8.892	0.015		0.584	0.019	T	0.66	0.02	L	8.9457	0.0016	0.016	123		8.92	8.99					1							S
69253	10.615	0.030	9.043	0.014		1.319	0.026	T	1.28	0.03	L	9.0712	0.0016	0.017	152		9.04	9.11		C			1							
69254	10.113	0.025	8.492	0.012		1.357	0.022	T	1.32	0.03	L	8.4915	0.0013	0.013	116		8.47	8.51		C			1							
69255	9.992	0.030	9.473	0.029	*	0.487	0.038	T	0.56	0.04	L *	9.6457	0.0027	0.023	131	*	9.61	9.70		D	14107+4108	I 1	2 C	A	AB	135	6.179	0.008	1.29	0.04	
69256	8.226	0.015	7.603	0.013		0.594	0.015	G	0.66	0.01	H	7.6723	0.0162	0.077	70		7.56	7.76	0.39	P 1 A			1							S
69257	11.245	0.070	10.551	0.060		0.640	0.076	T	0.70	0.07	L	10.7883	0.0054	0.042	81		10.71	10.85					1							G
69258	9.144	0.017	8.035	0.011		0.956	0.016	T	0.94	0.01	L	8.1106	0.0018	0.013	90		8.09	8.13		C			1							
69259	10.679	0.045	9.623	0.030		0.916	0.041	T	0.91	0.03	L	9.7209	0.0027	0.021	102		9.70	9.75					1							
69260	8.809	0.011	7.100	0.006		1.427	0.010	T	1.41	0.02	L	7.0903	0.0011	0.010	113		7.07	7.11		C			1							S
69261	7.755	0.007	7.639	0.007		0.112	0.009	T	0.13	0.01	L	7.6711	0.0013	0.015	171		7.64	7.70					1							S
69262	9.001	0.013	8.552	0.013		0.413	0.004	G	0.48	0.00	H	8.5976	0.0012	0.013	97		8.57	8.62		C			1							S
69263	10.515	0.041	8.711	0.017		1.502	0.035	T	1.53	0.05	L	8.6557	0.0016	0.015	81		8.63	8.69					1							
69264	9.859	0.018	8.892	0.014		0.850	0.017	T	0.86	0.01	L	8.9221	0.0016	0.021	165		8.88	8.96					1							
69265	7.036	0.005	6.868	0.006		0.130	0.001	G	0.14	0.00	H	6.9003	0.0011	0.010	98		6.88	6.92					1							S
69266	12.256	0.168	10.204	0.042		1.565	0.082	G	1.70	0.17	K	10.1564	0.0030	0.029	111		10.11	10.20					1							
69267	10.139	0.032	9.862	0.037		0.262	0.015	G	0.29	0.02	H	9.9361	0.0023	0.019	86		9.90	9.98		C			1							
69268	9.164	0.014	8.062	0.009		0.951	0.013	T	0.94	0.01	L	8.1166	0.0015	0.013	107		8.09	8.14		C			1							S
69269	7.142	0.007	5.134	0.006		1.684	0.017	G	1.94	0.05	F	5.0150	0.0070	0.034	53		4.96	5.05		U 2			1							S
69270	10.713	0.047	9.920	0.036	A	0.726	0.015	G	0.77	0.01	H *	9.9030	0.0022	0.021	88	*	9.86	9.94			14109+2412	H 1	2 C	D	AB	150	3.286	0.080	3.53	0.34	D
69271	8.162	0.010	6.755	0.006		1.189	0.009	T	1.15	0.01	L	6.8012	0.0008	0.008	88		6.79	6.81		C			1							S
69272	10.854	0.055	8.970	0.021		1.598	0.049	T	2.51	0.10	O	8.7508	0.0157	0.100	77		8.63	8.87		U 2 C			1							
69273	11.471	0.100	9.873	0.038		1.339	0.084	T	1.30	0.10	L	9.9926	0.0035	0.026	68		9.93	10.03		C			1							
69274	8.823	0.010	8.651	0.011		0.160	0.015	G	0.18	0.01	H	8.6862	0.0014	0.016	139		8.66	8.72					1							S
69275	8.745	0.011	8.330	0.011		0.408	0.015	G	0.47	0.02	H	8.3744	0.0015	0.013	109		8.35	8.40					1							S
69276	9.719	0.023	9.578	0.029		0.215	0.015	G	0.24	0.02	H	9.6336	0.0034	0.029	117		9.59	9.69					1							G
69277	10.144	0.023	8.186	0.009		1.624	0.020	T	1.65	0.02	L	8.1050	0.0017	0.017	142		8.08	8.14					1							
69278	10.506	0.032	10.120	0.036		0.365	0.045	T	0.43	0.05	L	10.1551	0.0028	0.021	122		10.12	10.20		C			1	S						G
69279	9.752	0.026	8.028	0.012		1.438	0.023	T	1.43	0.04	L	7.9838	0.0020	0.015	77		7.96	8.00					1							S
69280	9.220	0.020	8.553	0.017	A	0.300	0.495	G	0.60	0.05	L *	8.5574	0.0021	0.014	80	*	8.54	8.58		D	14109+0424	I 1	2 C	B	AB	185	1.199	0.042	2.82	0.13	S
69281	9.145	0.013	8.380	0.011	*	0.690	0.015	G	0.75	0.01	H *	8.4130	0.0015	0.014	115	*	8.38	8.44		D	14109+1513	I 1	2 C	A	AC	24	0.633	0.008	2.32	0.03	S
69282	7.892	0.009	7.381	0.008		0.506	0.001	G	0.58	0.00	H	7.4307	0.0010	0.007	78		7.42	7.45		C			1							S
69283	7.944	0.007	7.468	0.006		0.448	0.008	T	0.52	0.01	L	7.5239	0.0009	0.013	151		7.51	7.55					1 O							S
69284	9.670	0.017	9.209	0.017		0.435	0.022	T	0.50	0.02	L	9.3186	0.0022	0.021	107		9.28	9.36					1							S
69285											T	10.9141	0.0044	0.045	91		10.82	11.00		C			1	S						D
69286	9.376	0.014	8.936	0.014		0.429	0.016	T	0.50	0.02	L	8.9760	0.0014	0.019	169		8.95	9.01		C			1							
69287	7.897	0.016	7.501	0.017	*	0.375	0.021	T	0.44	0.02	L *	7.6894	0.0013	0.009	82	*	7.67	7.71		D	14110−4655	I 1	2 C	A	AB	54	4.028	0.005	0.81	0.02	S
69288	8.548	0.009	7.481	0.006		0.924	0.008	T	0.92	0.01	L	7.5350	0.0013	0.013	111		7.52	7.56					1							S
69289	9.044	0.021	7.795	0.013		1.065	0.019	T	1.03	0.02	L	7.8319	0.0013	0.011	81		7.81	7.85		C	14110−0240	I 1	1							S
69290	10.631	0.052	8.856	0.021		1.370	0.015	G	1.34	0.02	H	8.8941	0.0025	0.013	60		8.87	8.92		C			1							
69291	9.062	0.017	8.690	0.018		0.411	0.015	G	0.48	0.02	H	8.7157	0.0016	0.010	71		8.70	8.74					1							
69292											T	12.4658	0.0126	0.080	83		12.27	12.62					1							D
69293	9.849	0.017	9.158	0.015		0.638	0.019	T	0.70	0.02	L	9.2552	0.0023	0.024	174		9.21	9.30					1							S
69294	10.122	0.021	8.266	0.009	A	1.700	0.495	G	1.71	0.52	R *	8.1397	0.0017	0.015	128	*	8.12	8.16			14110+6024	I 1	2 C	A	AB	22	7.307	0.030	3.16	0.11	S
69295	7.988	0.008	6.849	0.005		0.979	0.007	T	0.96	0.01	L	6.8956	0.0006	0.007	121		6.88	6.91		C			1							S
69296	10.029	0.021	8.610	0.012	*	1.198	0.019	T	1.16	0.02	L *	8.5980	0.0017	0.017	141	*	8.57	8.63		D	14110−5454	H 1	2 C	A	AB	94	0.290	0.023	2.31	0.34	
69297	10.398	0.030	8.805	0.014		1.335	0.026	T	1.30	0.03	L	8.7904	0.0016	0.015	111		8.76	8.81		C			1							
69298	6.291	0.003	6.092	0.004		0.190	0.005	T	0.21	0.01	L	6.1288	0.0007	0.007	139		6.12	6.14					1							S
69299	7.772	0.006	6.715	0.004		0.917	0.005	T	0.92	0.00	L	6.7749	0.0007	0.007	129		6.76	6.79		C			1							S
69300	8.033	0.009	7.776	0.009		0.241	0.013	T	0.27	0.02	L	7.8289	0.0041	0.032	124		7.79	7.87	0.43	P 1 A			1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg	mas	mas/yr		mas		mas	mas/yr												%	
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
69301	14 11 04.36	+09 46 53.2	10.77	H	212.768 168 75	+09.781 444 62	15.21	−230.81	26.01	1.87	1.38	2.44	2.28	1.41	−35	− 2	−34	−32	+15	+ 4	+19	− 5	−15	−47	4	−1.83
69302	14 11 04.91	−49 16 23.1	8.55	H	212.770 451 22	−49.273 096 80	6.78	−23.18	−21.82	0.70	0.75	1.11	0.90	1.02	−21	−21	+18	+20	+ 0	−28	+ 7	− 7	+ 2	−12	0	1.69
69303	14 11 05.52	+73 20 50.4	10.31	G	212.772 988 92	+73.347 323 83	33.01	48.86	77.75	0.96	1.00	1.08	1.23	1.13	−11	− 6	−10	− 7	− 2	+ 8	− 1	−12	−10	−32	1	0.51
69304 H	14 11 07.57	+36 27 47.0	10.12	G	212.781 541 97	+36.463 068 31 A	5.72	−31.78	18.62	2.89	3.35	4.38	3.07	3.48	+21	+11	+ 1	−24	− 2	−20	+ 3	+ 3	− 5	−14	1	0.83
69305	14 11 07.74	−11 57 09.2	7.46	H	212.782 261 19	−11.952 569 38	3.97	−30.05	−45.00	1.07	0.64	1.10	1.27	0.91	− 6	−11	−19	+56	+14	− 4	+ 9	−28	+52	− 6	0	0.12
*69306	14 11 09.05	−13 18 38.4	9.68	3 T	212.787 703 71	−13.310 677 36	0.38	−2.31	−0.70	1.49	0.98	1.58	2.05	1.24	−12	− 1	−27	+28	+26	−15	+29	−40	+40	+ 3	0	−0.51
*69307	14 11 09.04	−37 54 18.1	8.34	H	212.787 676 34	−37.905 023 37	1.04	−22.11	−19.08	0.84	0.67	1.18	0.87	0.90	− 7	−21	−33	−12	+ 9	−19	− 9	−44	+48	−24	2	1.12
69308	14 11 11.59	+21 44 30.4	8.60	G	212.798 309 31	+21.741 769 59	6.64	−32.73	11.35	0.88	0.65	1.03	1.15	0.69	−16	−10	−13	+ 0	+10	−19	+ 7	+15	−10	−16	0	−1.34
69309	14 11 12.04	−63 07 31.0	8.91	H	212.800 172 13	−63.125 279 33	1.21	−4.93	−2.85	0.59	0.86	1.31	0.68	0.94	+33	− 6	+ 4	+42	+11	−10	+13	+16	+20	+38	0	−1.05
69310	14 11 12.14	+02 11 45.7	9.39	H	212.800 598 91	+02.196 032 41	6.10	−32.51	43.59	1.26	0.82	1.56	1.38	0.90	−12	−17	−13	−23	−15	+ 5	−17	−28	+28	−15	0	−0.40
69311	14 11 12.80	+43 06 23.3	10.03	H	212.803 324 60	+43.106 481 52	28.26	−193.87	71.49	0.77	0.87	1.13	0.95	0.91	+ 2	− 1	−21	−11	− 2	+ 3	− 1	−14	+ 0	−18	0	−0.21
*69312	14 11 13.66	−15 12 37.4	8.85	H	212.806 929 35	−15.210 376 25	3.73	12.03	−2.05	1.12	0.72	1.21	1.36	0.81	−14	−25	−10	+23	+10	+16	+15	−21	+16	+ 6	0	2.15
*69313	14 11 13.63	−74 08 12.1	8.94	H	212.806 784 00	−74.136 705 56	13.48	−127.35	−94.42	0.77	0.76	1.04	0.86	0.91	+16	−13	− 3	− 4	+15	−13	+13	+ 1	+21	+15	0	1.25
69314	14 11 14.25	−17 01 29.8	8.40	H	212.809 371 24	−17.024 954 88	2.09	−32.83	−42.55	1.10	0.74	1.19	1.30	0.91	−30	−26	− 8	+35	−19	+20	−16	+15	+ 3	−27	0	0.25
69315	14 11 14.50	+13 33 32.8	9.28	1 H	212.810 403 92	+13.559 117 89	5.29	5.24	−7.26	1.01	0.68	1.23	1.12	0.73	−16	−19	−19	+56	+ 4	−24	− 6	+30	− 4	−39	0	1.46
69316	14 11 15.14	+32 17 44.9	6.14	H	212.813 068 94	+32.295 799 11	8.51	−22.19	38.38	0.43	0.50	0.71	0.59	0.54	−11	− 4	−15	+ 4	+16	−15	+11	− 7	+10	− 9	0	1.52
69317	14 11 15.60	−22 49 32.2	8.57	H	212.814 997 96	−22.825 619 20	0.56	−33.77	−16.44	1.06	0.76	1.45	1.30	1.01	−18	−24	−23	+22	+10	−24	− 6	−44	+51	−29	5	0.65
69318	14 11 15.82	+22 41 26.7	8.47	H	212.815 924 80	+22.690 761 43	8.98	57.39	−62.46	1.15	0.72	1.39	1.27	0.81	+ 1	−53	−21	+34	+ 8	−34	−18	+11	+ 2	−32	0	−0.73
69319	14 11 16.06	−23 38 31.3	8.07	H	212.816 904 27	−23.642 026 11	3.97	−5.24	−10.16	0.90	0.75	1.20	1.13	0.91	−24	− 7	−38	− 5	+15	−20	+ 9	−49	+44	−21	0	0.40
69320	14 11 16.22	−59 46 18.1	8.78	H	212.817 585 75	−59.771 690 42	2.25	0.40	−2.38	0.87	0.77	1.11	1.45	0.96	+ 3	− 8	− 1	+26	−11	− 6	− 5	+17	+11	+26	0	0.20
69321 H	14 11 17.33	+30 13 26.3	9.55	H	212.822 208 91	+30.223 978 67 B	4.13	−8.18	−24.68	5.49	4.67	2.28	2.20	1.79	+ 6	− 1	−12	+ 5	+ 0	−12	− 3	− 2	+33	−33	0	−0.80
69322	14 11 17.38	+54 24 33.2	7.88	H	212.822 415 34	+54.409 228 13	17.36	−147.18	−36.94	0.59	0.61	0.72	0.64	0.70	+ 7	− 7	− 6	+10	− 6	+11	− 7	+ 1	+10	+ 1	0	−1.83
69323	14 11 17.91	−66 24 28.4	8.43	H	212.824 617 13	−66.407 899 61	−0.08	−9.46	−7.43	0.60	0.67	0.97	0.71	0.84	+32	−23	+ 4	− 7	+ 1	−14	+ 1	− 2	− 3	+47	2	0.31
69324	14 11 18.54	+01 34 20.7	8.06	H	212.827 245 91	+01.572 425 15	2.64	−10.49	2.24	1.00	0.61	1.13	1.02	0.69	− 1	−30	−27	−42	−17	+14	−20	−31	+25	−20	0	0.91
69325	14 11 19.23	−10 28 44.4	7.97	2 H	212.830 117 10	−10.478 997 67	2.61	−12.75	−6.69	1.06	0.70	1.21	1.15	0.95	− 4	−42	−27	+10	+12	+ 5	− 7	−45	+28	−30	0	−0.46
69326	14 11 19.35	−29 47 04.8	7.58	G	212.830 640 23	−29.784 663 59	4.14	0.87	−15.64	0.80	0.64	1.08	0.92	0.85	−24	−21	−23	+ 2	+ 2	+ 5	− 3	−36	+32	−23	0	−0.26
69327	14 11 20.00	−54 37 55.6	8.54	H	212.833 346 32	−54.632 120 32	7.39	−33.41	−26.54	0.68	0.58	0.98	0.70	0.64	+ 6	−31	− 7	+ 2	− 5	−11	−13	+18	+11	+20	1	1.90
69328 H	14 11 20.47	−03 20 17.1	7.82	H	212.835 284 75	−03.338 094 49 A	15.37	84.45	−175.95	2.20	1.85	2.60	3.03	1.85	−29	−35	−17	+ 3	− 1	− 6	+ 0	+ 1	− 5	−37	3	0.97
69329	14 11 21.01	−26 20 39.1	7.91	H	212.837 529 33	−26.344 185 86	2.56	10.95	0.11	0.86	0.72	1.16	1.12	1.08	−22	−29	−31	+17	+ 7	−10	− 9	−30	+34	−42	0	0.18
69330	14 11 21.22	−56 49 51.9	8.85	H	212.838 399 03	−56.831 091 42	7.08	2.13	−38.06	0.84	0.72	1.13	0.99	0.89	+10	−22	− 5	+ 3	− 1	− 5	− 2	− 4	+10	+31	1	−0.06
69331	14 11 23.19	−56 22 57.7	7.22	G	212.846 624 00	−56.382 701 32	3.51	−56.59	−36.97	0.54	0.53	0.73	0.66	0.60	− 1	−16	+ 1	+25	+ 4	+ 1	+ 4	+12	+ 8	+16	0	1.39
69332 H	14 11 23.24	−50 04 11.7	9.75	H	212.846 823 50	−50.069 919 04 A	4.97	−21.63	−8.51	3.40	2.73	2.91	2.70	2.48	− 2	−14	+ 3	+ 9	+ 5	−21	+ 1	− 9	+18	+10	0	0.45
69333	14 11 24.51	+30 05 03.5	10.31	G	212.852 109 40	+30.084 310 64	19.80	−455.48	−121.61	1.35	1.15	1.80	1.83	1.24	+ 1	−10	−27	+19	+ 2	+ 6	− 1	− 7	+15	−11	0	0.61
69334	14 11 25.50	+74 32 44.6	9.23	H	212.856 259 39	+74.545 727 99	1.41	6.22	−1.65	0.72	0.71	0.80	0.91	0.85	− 1	−13	−20	−13	+ 1	− 1	+ 0	− 1	+13	−12	1	−0.20
69335	14 11 25.76	+52 44 24.0	9.34	H	212.857 313 64	+52.740 000 97	3.37	− 8.36	−14.21	0.81	0.83	1.01	1.12	1.04	+17	+ 1	−11	+21	+ 3	+12	+ 5	− 2	+19	+23	0	−0.55
69336	14 11 29.13	−49 26 06.6	7.84	H	212.871 366 62	−49.435 158 17	5.03	−3.50	−1.54	0.68	0.70	1.08	0.87	0.92	−19	−23	+16	+10	− 6	−36	+ 0	+ 3	− 2	− 5	0	0.40
69337 H	14 11 29.32	−32 10 06.6	7.40	G	212.872 184 66	−32.168 504 77 A	8.36	29.01	−0.13	1.33	1.01	1.27	1.41	1.12	−25	−16	+12	−15	+ 5	− 7	+ 6	−32	+ 5	−28	1	−0.09
69338	14 11 29.78	−10 36 19.1	8.80	2 H	212.874 067 13	−10.605 305 47	7.92	−143.69	1.47	1.36	0.82	1.38	1.66	1.11	− 2	−21	−22	+39	+17	+ 3	+ 5	−42	+32	−14	0	0.43
69339	14 11 31.24	+21 48 17.8	9.63	H	212.880 149 08	+21.804 943 04	7.65	−104.41	15.90	1.41	0.96	1.60	1.69	1.20	−21	− 7	−16	+10	+ 8	−15	− 3	+19	+12	−28	0	1.46
69340	14 11 31.28	+01 21 44.4	6.42	H	212.880 325 41	+01.362 323 19	21.78	−128.36	31.08	0.75	0.53	0.85	0.82	0.60	−15	−13	−12	−24	−14	− 2	−14	+10	+31	0	0.57
69341	14 11 31.45	+05 00 10.8	8.96	G	212.881 040 27	+05.003 003 20	4.96	50.24	−33.45	1.22	0.77	1.40	1.23	0.85	− 4	−30	−21	+12	−12	+13	− 8	− 3	−14	−24	4	1.18
69342	14 11 31.87	+50 07 04.2	11.50	G	212.882 773 08	+50.117 824 03	−0.16	14.14	0.29	1.55	1.70	2.03	2.03	1.90	+17	− 4	−18	−14	− 7	− 6	−10	−30	+14	+ 4	0	0.53
69343	14 11 32.09	−46 41 46.9	9.01	H	212.883 725 64	−46.696 365 50	1.55	− 5.88	− 1.12	0.98	0.81	1.34	0.89	0.95	− 1	−51	−13	− 3	+ 2	− 2	−13	−20	+29	− 8	0	−0.59
69344 H	14 11 33.66	+28 02 12.2	8.44	H	212.890 255 41	+28.036 725 96 A	7.76	−25.93	44.24	1.62	1.94	2.03	1.99	1.93	−29	−21	− 4	−20	+10	+ 7	+10	−45	+ 9	−36	0	0.66
69345	14 11 34.31	+26 11 43.4	10.46	H	212.892 977 35	+26.195 400 03	22.05	−49.79	160.62	1.47	1.12	1.70	1.43	1.14	+15	−24	−12	−32	−24	− 7	−21	−17	+ 1	−13	0	1.60
69346	14 11 34.40	−28 53 07.2	9.22	3 T	212.893 352 64	−28.885 324 79	0.89	−12.37	−30.99	1.91	1.55	2.38	2.05	1.84	−53	+53	−48	− 3	+ 3	+20	+28	−53	+14	−10	2	1.18
69347	14 11 34.97	+35 24 30.5	8.98	H	212.895 702 93	+35.408 483 33	12.99	144.77	−91.39	0.71	0.72	1.18	0.86	0.84	+18	+10	− 9	−28	+ 0	−10	+12	+24	− 8	− 9	0	0.10
69348	14 11 35.55	−11 53 31.7	9.02	2 H	212.898 144 30	−11.892 126 29	0.39	− 7.28	0.55	1.66	0.91	1.52	2.10	1.42	− 5	− 9	− 4	+64	+18	+ 2	+ 2	−19	+44	−21	0	0.25
69349	14 11 36.17	−25 10 54.7	8.13	H	212.900 699 03	−25.181 863 44	5.99	− 5.59	−23.66	0.90	0.78	1.14	1.00	0.96	−29	− 8	−32	+12	+22	− 4	+19	−55	+38	−32	0	0.95
69350	14 11 37.12	+42 20 26.5	6.88	H	212.904 653 78	+42.340 692 03	5.83	−36.23	12.96	0.49	0.56	0.71	0.59	0.57	+12	− 1	−18	+21	−24	+15	−20	+19	−14	−13	1	0.54
69351	14 11 40.91	−45 48 16.6	8.45	H	212.920 451 81	−45.804 607 33	6.32	−44.02	−11.37	0.96	0.70	1.14	1.03	0.89	+ 1	−25	−11	−13	+ 1	−10	− 8	−21	+29	−10	0	−1.89
69352	14 11 41.68	−05 51 26.9	7.35	H	212.923 654 58	−05.857 472 33	5.51	−51.64	3.93	0.85	0.55	0.96	0.98	0.64	−18	−25	−14	+24	+ 3	+ 5	+ 1	−17	+20	−14	0	−0.74
69353	14 11 43.06	+60 28 26.4	8.11	G	212.929 400 74	+60.474 010 84	4.73	−19.55	−11.70	0.53	0.56	0.64	0.58	0.64	+12	−13	−16	−19	− 8	− 2	− 9	− 1	+ 6	+ 3	0	−1.10
69354 H	14 11 43.78	−41 04 59.9	9.28	H	212.932 399 46	−41.083 305 24 *	2.17	−15.53	−10.38	1.06	0.81	1.34	1.21	1.06	−13	−24	− 4	+28	+ 8	+11	− 1	−24	+28	−15	0	0.46
69355 H	14 11 45.62	−35 44 07.4	9.43	G	212.940 066 14	−35.735 402 01 A	3.83	17.67	− 8.97	2.12	1.47	2.31	2.55	1.98	− 9	−20	− 9	+ 5	− 7	+ 6	−11	− 8	+26	− 8	1	−0.12
69356	14 11 45.85	−19 01 03.2	7.74	H	212.941 062 04	−19.017 562 64	6.89	− 6.04	− 2.29	0.99	0.64	1.06	1.34	0.80	− 2	−29	−20	− 9	−19	+19	−15	−20	+ 6	+ 4	0	0.37
69357	14 11 46.32	−12 36 40.8	7.93	G	212.943 020 02	−12.611 329 94	43.35	−257.49	−179.49	1.15	0.68	1.40	1.21	1.01	+ 8	−52	−33	+27	+15	−18	−23	−40	+56	−23	3	0.03
69358	14 11 48.00	−62 01 34.8	7.70	2 H	212.949 985 54	−62.026 339 54	1.44	− 5.26	− 2.01	0.65	0.62	0.92	0.80	0.70	+ 5	−24	+ 5	− 2	+29	+ 6	+15	+17	+16	+47	3	0.88
69359	14 11 48.31	+09 27 44.0	10.59	G	212.951 272 85	+09.462 211 27	19.54	−222.38	−162.53	1.73	1.20	2.10	1.90	1.29	−49	+ 5	−27	−29	+23	− 1	+30	+10	−20	−67	0	0.80
69360 H	14 11 49.29	−29 53 52.6	9.44	H	212.955 360 83	−29.897 952 37 A	8.43	−123.46	− 8.01	1.80	1.59	2.10	1.95	1.81	−27	−16	−24	− 4	+10	− 8	+10	−50	+21	−21	0	0.08
69361	14 11 52.25	−06 07 36.4	7.63	G	212.967 696 17	−06.126 785 29	7.88	−57.40	11.88	0.88	0.53	0.98	1.00	0.62	−11	−30	−19	+20	− 5	+12	− 7	−25	+24	− 7	0	−0.10
69362	14 11 53.09	−17 53 01.8	8.73	H	212.971 206 45	−17.883 842 03	8.11	−46.24	−86.11	1.18	0.80	1.26	2.15	1.03	−19	−16	+ 7	+14	−32	−22	−16	−10	−13	+16	0	0.30
69363 H	14 11 55.36	−09 57 53.0	8.67	H	212.980 660 93	−09.964 727 40 A	2.87	−13.92	10.38	2.51	1.73	2.31	2.29	1.81	− 1	−13	−28	+ 7	+15	− 5	+ 3	−44	+37	−24	2	0.45
69364	14 11 56.49	+17 07 48.0	9.72	H	212.985 386 22	+17.129 991 61	7.06	−41.69	−35.82	1.09	1.07	1.58	1.46	1.26	−28	− 6	−14	+ 4	+ 8	−18	+ 4	+ 9	+12	−38	0	−0.90
69365	14 11 56.66	+07 51 00.5	8.69	H	212.986 101 31	+07.850 132 80	4.68	−86.30	− 3.85	1.03	0.80	1.41	1.22	0.86	−40	+24	−47	−22	+ 2	+ 6	+15	−14	+22	−46	0	1.79
69366	14 11 57.32	+38 49 52.3	8.84	1 H	212.988 813 23	+38.831 185 71	5.14	5.69	11.75	0.57	0.74	1.02	0.68	0.81	+25	+ 6	− 2	+12	− 2	− 3	− 2	+ 8	− 2	+16	0	−0.71
69367	14 11 57.55	−41 50 37.1	10.64	H	212.989 793 98	−41.843 643 49	2.51	−34.92	−18.31	2.12	1.54	2.65	2.15	1.91	−17	−36	+ 6	+ 5	+ 0	− 1	− 8	−16	+16	−25	0	0.19
69368	14 11 59.04	−49 54 32.4	10.61	H	212.996 015 32	−49.909 001 60	5.31	−21.77	− 2.72	1.64	1.60	2.34	2.41	2.42	−15	−17	+16	+51	+ 6	−17	+13	+ 6	− 4	+ 4	4	1.63
69369	14 11 59.11	+18 56 49.3	8.53	H	212.996 298 66	+18.947 018 33	4.44	−10.90	11.80	0.71	0.64	0.92	0.77	0.64	−24	− 8	− 7	+ 9	− 3	− 3	− 2	+ 6	−17	−24	0	−0.30
69370	14 11 59.34	−38 07 15.7	9.45	H	212.997 257 31	−38.121 029 17	3.69	−12.10	− 2.31	1.06	0.92	1.71	1.06	1.22	− 2	−28	−46	−15	+15	−27	−17	−56	+61	−33	0	0.57
69371	14 12 01.34	−70 10 30.6	8.15	G	213.005 572 26	−70.175 161 38	2.57	−31.16	−24.94	0.57	0.69	0.92	0.71	0.83	+23	+ 2	+14	− 5	+ 8	−27	+10	+28	+13	+28	0	−0.66
69372	14 12 02.43	−40 35 25.8	9.47	H	213.010 125 94	−40.590 488 70	3.55	1.94	− 4.24	0.99	0.83	1.33	1.06	1.12	−19	−32	−10	+17	+ 2	− 2	− 9	−17	+30	−26	0	−0.22
69373	14 12 04.05	+69 25 57.6	5.18	1 H	213.016 889 63	+69.432 668 73	7.32	−26.12	−49.53	0.45	0.50	0.53	0.54	0.55	+ 3	− 9	−21	+ 3	+ 1	− 7	+ 1	+23	−10	− 1	0	1.89
69374	14 12 06.69	−50 33 47.3	8.97	H	213.027 871 54	−50.563 136 60	10.88	26.10	− 5.22	0.84	0.85	1.29	0.97	1.08	−16	−26	+ 7	+11	+ 9	−22	+ 8	− 7	+17	−10	0	−0.39
69375	14 12 07.51	−23 42 04.1	8.33	H	213.031 297 69	−23.701 145 72	3.32	2.23	15.16	0.95	0.80	1.30	1.19	1.02	−26	−11	−36	+ 2	+15	−22	+ 5	−46	+45	−29	0	0.73
69376	14 12 08.72	+37 30 39.3	9.42	1 G	213.036 341 04	+37.510 919 67	1.93	−24.81	−11.22	0.73	0.92	1.50	0.86	1.09	+25	− 4	− 6	+28	− 6	−13	− 7	+ 3	−13	+24	0	1.30
69377	14 12 09.26	−29 43 41.1	9.88	H	213.038 565 38	−29.728 075 13	−0.92	−51.58	− 0.87	1.40	1.16	1.91	1.56	1.46	−23	−15	−30	− 2	+10	− 6	+ 6	−45	+35	−21	0	−0.42
69378	14 12 09.54	+21 06 38.9	9.77	H	213.039 759 69	+21.110 795 87	3.48	−60.20	56.76	1.27	0.95	1.46	1.54	1.03	−17	−19	−21	− 4	− 4	+ 1	+ 3	+26	−13	−39	0	2.70
69379	14 12 09.78	+42 24 43.0	8.23	H	213.040 760 95	+42.411 931 71	4.37	−39.84	− 3.02	0.87	1.04	1.35	1.03	1.08	+16	− 9	−26	− 4	− 9	− 1	−12	−22	+ 2	− 7	0	
69380	14 12 09.95	−77 05 30.4	10.26	H	213.041 442 86	−77.091 788 32	2.47	−10.17	− 4.58	0.91	1.02	1.24	1.02	1.07	+22	− 5	+23	+15	+14	−12	+18	+ 4	−10	+32	4	−1.00
69381	14 12 10.12	−52 22 53.8	8.65	H	213.042 169 91	−52.381 598 62	2.03	−13.18	− 3.54	0.74	0.69	1.10	0.91	0.73	−15	−25	+15	+23	−15	− 4	−19	+41	+ 8	+22	0	−0.29
69382	14 12 10.26	−56 16 25.9	9.00	H	213.042 768 20	−56.273 847 43	4.89	− 7.81	−21.57	0.86	0.78	1.21	1.17	0.88	+ 7	−13	+ 9	+25	+ 7	+ 2	+ 8	+16	+15	+34	0	−0.52
69383	14 12 10.73	+20 38 33.9	7.58	H	213.044 728 69	+20.642 746 71	5.71	−27.84	−21.02	0.68	0.54	0.83	0.78	0.56	−16	+ 0	−12	+13	+ 2	− 8	+ 1	+24	−19	−21	0	−0.23
69384	14 12 11.93	+19 47 53.6	9.25	H	213.049 723 75	+19.798 215 59	6.50	20.10	−18.24	0.95	0.77	1.13	1.12	0.82	−17	− 2	− 8	+16	+12	− 4	+10	+13	−10	−14	0	−0.40
69385	14 12 12.18	−59 48 16.0	8.09	H	213.050 733 35	−59.804 436 71	0.41	− 1.93	− 2.91	0.79	0.72	1.01	1.25	0.93	+ 3	+ 3	+ 0	+37	+ 7	+11	+11	+28	+ 1	+33	2	1.42
69386	14 12 13.32	+54 52 59.6	8.93	H	213.055 484 80	+54.883 212 74	2.65	− 8.37	− 8.34	0.71	0.78	0.86	0.80	0.83	+22	+ 9	−11	−30	−15	+ 4	−13	−25	+15	+21	0	−1.85
69387	14 12 13.70	−68 47 53.2	8.88	H	213.057 066 81	−68.798 109 23	1.91	−34.76	−30.01	0.69	0.84	1.11	0.83	0.95	+27	− 4	+16	− 7	− 6	−16	− 4	+11	+ 6	+29	0	−0.18
69388 H	14 12 14.66	+44 11 22.5	7.74	H	213.061 085 69	+44.189 575 73 A	6.94	−40.29	22.28	1.64	1.50	1.05	0.94	0.73	−29	− 4	−17	−11	+ 1	+ 2	+ 2	− 9	+ 1	−35	0	0.14
69389	14 12 15.83	+02 24 34.2	4.99	2 H	213.065 960 03	+02.409 496 13	12.45	−44.67	−26.10	0.77	0.51	0.90	0.90	0.54	−10	− 9	− 6	−19	−22	+22	−19	−15	− 4	−10	0	1.49
69390	14 12 17.04	+08 24 25.9	8.47	H	213.071 015 69	+08.407 206 96	10.46	117.82	−95.66	1.05	0.76	1.27	1.23	0.83	−54	+ 5	−19	−29	+23	−12	+29	+ 5	− 5	+72	0	1.42
69391	14 12 18.04	+11 37 14.0	11.46	G	213.075 170 14	+11.620 545 07	13.13	143.88	−342.48	3.15	2.73	4.61	3.65	3.14	−42	−13	−16	+20	+ 5	−12	+ 1	+ 7	− 7	−56	0	
69392	14 12 20.54	−39 45 05.6	8.60	G	213.085 600 97	−39.751 551 82	9.51	−47.04	−105.04	1.09	0.89	1.63	0.96	1.21	+ 5	−52	−37	+ 5	+18	−23	−22	−49	+48	−42	0	−2.37
69393 H	14 12 21.75	+03 52 02.1	8.87	H	213.090 620 42	+03.867 239 04 *	1.97	−67.80	54.85	2.06	1.13	1.62	1.31	1.02	− 7	−38	−22	−37	− 3	+36	+ 4	−24	− 1	−43	2	1.49
69394 H	14 12 22.19	−53 39 37.1	8.45	G	213.092 448 63	−53.660 313 40 A	1.62	−14.68	− 6.89	1.19	1.12	1.59	1.40	1.06	− 5	−18	+22	+34	− 5	− 7	− 2	+45	+ 8	+38	1	−0.16
69395	14 12 23.50	−39 54 33.8	8.81	H	213.097 921 17	−39.909 375 50	6.34	−30.67	−25.81	1.10	0.92	1.65	0.99	1.28	− 1	−54	−34	− 2	+24	−22	−15	−55	+44	−46	0	−1.34
69396	14 12 23.92	−57 49 54.8	9.42	G	213.099 653 18	−57.831 890 67	2.06	− 6.41	− 9.55	1.03	0.92	1.32	1.19	1.12	+ 2	−28	+13	+45	+ 8	+13	+ 1	+32	+23	+11	0	0.69
69397	14 12 24.22	−66 00 21.8	8.75	H	213.100 923 12	−66.006 067 27	1.05	− 7.92	− 5.69	0.68	0.78	1.08	0.86	0.99	+32	− 4	+ 6	+ 5	+ 6	− 8	+ 5	+ 8	+14	+40	0	0.17
69398	14 12 24.55	−24 21 48.0	6.35	G	213.102 308 39	−24.363 339 64	6.74	19.90	− 5.22	0.74	0.66	0.91	0.84

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data										Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″		ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65		66	67	68-70
69301	11.933	0.152	10.949	0.087		0.850	0.136	T	0.89	0.14	L	10.9112	0.0047	0.029	80		10.86	10.97		C			1								G
69302	8.925	0.013	8.589	0.014		0.319	0.018	T	0.37	0.02	L	8.6259	0.0025	0.015	110		8.60	8.65					1								
69303	11.745	0.103	10.349	0.047		1.260	0.020	G	1.43	0.03	I	10.3980	0.0027	0.033	121		10.34	10.46		R			1								
69304	10.911	0.040	10.272	0.033	A	0.550	0.015	G	0.62	0.01	H *	10.2811	0.0030	0.034	155	*	10.22	10.34		D	14111+3628	I 1	2 C	A	AB	0	1.347	0.025	1.27	0.08	
69305	9.023	0.019	7.591	0.011		1.208	0.017	T	1.17	0.02	L	7.6201	0.0016	0.008	73		7.60	7.63		C			1								S
69306	10.258	0.041	9.729	0.039		0.496	0.051	T	0.57	0.05	L	9.7606	0.0495	0.214	65		9.22	10.05	10.31	P 1 A			1	S							
69307	9.954	0.025	8.472	0.014		1.248	0.023	T	1.21	0.02	L	8.5059	0.0013	0.014	90		8.48	8.54					1								
69308	9.029	0.016	8.626	0.017		0.411	0.015	G	0.48	0.02	H	8.6869	0.0018	0.014	90		8.66	8.71		C			1								S
69309	9.064	0.010	8.950	0.013		0.111	0.015	T	0.12	0.01	L	8.9457	0.0016	0.023	201		8.90	8.98					1								
69310	10.010	0.038	9.498	0.036		0.481	0.047	T	0.55	0.05	L	9.4968	0.0026	0.020	83		9.46	9.52		C			1								S
69311	11.590	0.080	10.205	0.039		1.172	0.070	T	1.13	0.06	L	10.1880	0.0036	0.029	117		10.14	10.24		R			1	S							
69312	10.225	0.033	8.962	0.019		1.076	0.030	T	1.04	0.03	L	9.0167	0.0014	0.013	74		8.99	9.04		C			1								
69313	9.529	0.016	8.991	0.015		0.512	0.016	T	0.58	0.02	L	9.0519	0.0025	0.025	135		9.01	9.09					1								
69314	9.767	0.027	8.515	0.017		1.068	0.025	T	1.03	0.02	L	8.5720	0.0016	0.013	57		8.53	8.59		C			1								
69315	9.691	0.017	9.298	0.018		0.372	0.023	T	0.43	0.03	L	9.3646	0.0023	0.021	115		9.32	9.40		U			1								
69316	7.773	0.008	6.274	0.004		1.258	0.002	G	1.22	0.00	H	6.3022	0.0008	0.007	131		6.29	6.32					1								S
69317	9.031	0.016	8.629	0.016		0.380	0.021	T	0.44	0.02	L	8.6560	0.0020	0.015	66		8.63	8.68		C			1								
69318	8.974	0.014	8.524	0.014		0.424	0.018	T	0.49	0.02	L	8.5697	0.0019	0.016	79		8.54	8.59					1	G							S
69319	9.525	0.020	8.201	0.012		1.124	0.018	T	1.09	0.02	L	8.2427	0.0018	0.014	81		8.22	8.27		C			1								
69320	8.789	0.013	8.794	0.017		0.000	0.020	T	0.02	0.02	L	8.7931	0.0021	0.018	113		8.76	8.82		C			1								
69321	10.225	0.030	9.562	0.027	*	0.615	0.034	T	0.68	0.03	L *	9.6811	0.0028	0.025	88	*	9.64	9.73		D	14113+3013	I 1	2 C	A	BA	351	0.305	0.005	0.21	0.09	
69322	8.668	0.010	7.942	0.008		0.652	0.005	G	0.72	0.00	H	8.0126	0.0015	0.014	120		7.99	8.04		C			1								S
69323	8.492	0.008	8.431	0.010		0.061	0.012	T	0.07	0.01	L	8.4533	0.0015	0.020	181		8.42	8.49					1								
69324	9.347	0.017	8.187	0.011		0.996	0.016	T	0.97	0.01	L	8.2307	0.0010	0.010	91		8.21	8.25		C			1								S
69325	9.965	0.031	8.242	0.015		1.466	0.028	T	2.96	0.05	O	7.8834	0.0094	0.071	71		7.78	7.98		U 2			1	S							S P
69326	9.129	0.015	7.706	0.009		1.195	0.020	G	1.15	0.02	H	7.7484	0.0013	0.011	97		7.73	7.77		C			1								S
69327	8.939	0.011	8.572	0.011		0.348	0.014	T	0.41	0.02	L	8.6262	0.0015	0.015	151		8.60	8.66		C			1								
69328	8.489	0.014	7.822	0.012	*	0.604	0.011	G	0.67	0.01	H *	7.9481	0.0018	0.014	76	*	7.93	7.97		D	14113−0320	I 1	2 C	A	AB	28	6.645	0.003	0.44	0.01	S
69329	10.018	0.028	8.070	0.012		1.616	0.024	T	1.64	0.03	L	8.0236	0.0019	0.015	90		8.00	8.05					1								S
69330	9.368	0.018	8.894	0.018		0.446	0.023	T	0.52	0.02	L	8.9515	0.0023	0.018	118		8.92	8.97		C			1								
69331	9.036	0.013	7.381	0.007		1.411	0.004	G	1.39	0.01	H	7.3484	0.0015	0.012	118		7.33	7.37					1								S
69332	11.048	0.057	9.884	0.033	*	0.999	0.051	T	0.98	0.04	L *	9.9217	0.0033	0.026	104	*	9.88	9.97		D	14114−5004	I 1	2 C	A	AB	270	0.396	0.011	1.25	0.07	G
69333	11.538	0.090	10.422	0.053		1.173	0.004	G	1.29	0.01	I	10.3994	0.0048	0.029	87		10.34	10.44					1								
69334	10.323	0.026	9.331	0.018		0.868	0.024	T	0.88	0.02	L	9.3830	0.0017	0.016	119		9.35	9.41		C			1								
69335	10.026	0.024	9.426	0.022		0.560	0.029	T	0.63	0.03	L	9.4626	0.0018	0.021	117		9.43	9.50		C			1								
69336	9.108	0.015	7.960	0.010		0.986	0.014	T	0.97	0.01	L	8.0105	0.0011	0.010	105		7.99	8.03		C			1								
69337	7.926	0.011	7.460	0.008	*	0.398	0.015	G	0.46	0.02	H *	7.5081	0.0011	0.010	82	*	7.49	7.52		D	14115−3210	H 1	2 C	B	AB	62	0.589	0.033	3.64	0.12	S
69338	9.479	0.025	8.906	0.023		0.536	0.030	T	0.61	0.03	L	8.9180	0.0030	0.023	72		8.88	8.98		U 2			1								S
69339	10.292	0.038	9.696	0.035		0.556	0.045	T	0.63	0.04	L	9.7536	0.0031	0.024	79		9.72	9.79					1	G							
69340	6.987	0.005	6.462	0.004		0.479	0.007	G	0.55	0.01	H	6.5225	0.0008	0.009	100		6.51	6.54					1								S
69341	9.485	0.019	9.062	0.019		0.470	0.015	G	0.54	0.02	H	9.0728	0.0017	0.016	79		9.04	9.11			14115+0500	I 1	1								
69342						−0.129	0.009	G	−0.12	0.01	H	11.5606	0.0046	0.049	104		11.46	11.65					1								G
69343	10.200	0.034	9.112	0.022		0.940	0.031	T	0.93	0.02	L	9.1726	0.0026	0.020	81		9.14	9.20					1								
69344	8.863	0.016	8.293	0.015	*	0.533	0.020	T	0.61	0.02	L *	8.5589	0.0016	0.016	137	*	8.53	8.59		R	14116+2802	I 1	2 C	A	AB	183	2.286	0.004	0.71	0.02	S
69345	11.862	0.131	10.620	0.065		1.160	0.015	G	1.26	0.03	I	10.5857	0.0040	0.029	91		10.54	10.63		C			1								G
69346	10.423	0.065	9.319	0.040		0.952	0.059	T	0.94	0.04	L	9.1659	0.3813	1.699	82		7.74	11.66	332.50	P 1 B			1	S							G P
69347	9.704	0.013	9.030	0.011		0.600	0.015	G	0.67	0.01	H	9.1027	0.0024	0.025	195		9.06	9.15					1								
69348	11.369	0.084	9.230	0.023		1.768	0.070	T	1.79	0.07	L	9.1174	0.0072	0.037	62		9.03	9.16		U 2			1								
69349	9.803	0.023	8.300	0.013		1.264	0.021	T	1.22	0.02	L	8.2859	0.0013	0.011	77		8.26	8.30		C			1								
69350	8.122	0.008	6.983	0.005		0.979	0.007	T	0.96	0.01	L	7.0401	0.0009	0.008	136		7.02	7.05		C			1								S
69351	8.826	0.014	8.466	0.015		0.341	0.019	T	0.40	0.03	L	8.5288	0.0017	0.014	76		8.51	8.55		C			1								
69352	8.603	0.014	7.445	0.009		0.994	0.013	T	0.97	0.01	L	7.5170	0.0012	0.009	76		7.50	7.53		C			1								S
69353	8.681	0.009	8.159	0.009		0.516	0.015	G	0.59	0.02	H	8.2196	0.0010	0.012	134		8.20	8.24		C			1								S
69354	9.723	0.020	9.303	0.021	*	0.397	0.027	T	0.46	0.03	L *	9.3698	0.0021	0.018	98	*	9.34	9.40		C	14117−4105	H 1	2 C	S C	AB	127	0.141	0.049	1.07	1.28	
69355	10.083	0.035	9.534	0.033	A	0.471	0.071	G	0.58	0.06	L *	9.5079	0.0020	0.021	79	*	9.47	9.55		D	14118−3544	I 1	2 C	A	AB	358	9.407	0.026	2.75	0.10	
69356	9.153	0.021	7.874	0.013		1.089	0.019	T	1.05	0.02	L	7.9088	0.0012	0.008	55		7.90	7.93		C	14118−1901	I 1	1								S
69357	9.009	0.017	8.010	0.013		0.865	0.001	G	0.91	0.00	H	8.0719	0.0016	0.010	66		8.05	8.09		C			1								S
69358	7.726	0.008	7.711	0.009		0.019	0.011	T	0.04	0.01	L	7.7117	0.0020	0.023	133		7.68	7.77		U 2			1								S
69359	12.254	0.169	10.714	0.067		1.086	0.004	G	1.16	0.01	I	10.7228	0.0039	0.031	109		10.67	10.77					1								G
69360	10.363	0.041	9.569	0.032	A	0.600	0.495	G	0.89	0.07	B *	9.6003	0.0029	0.020	90	*	9.57	9.63		R	14118−2954	I 1	2 C	A	AB	87	2.282	0.026	2.55	0.07	
69361	7.912	0.010	7.666	0.012		0.234	0.015	T	0.26	0.02	L	7.6965	0.0011	0.009	73		7.68	7.71		C			1								S
69362	9.607	0.026	8.794	0.021		0.718	0.026	T	0.77	0.02	L	8.8682	0.0019	0.013	57		8.84	8.90		C			1								
69363	9.783	0.033	8.805	0.024	*	0.858	0.030	T	0.87	0.02	L *	8.8311	0.0022	0.012	78	*	8.81	8.85		D	14119−0958	I 1	2 C	A	AB	149	0.543	0.009	1.59	0.03	
69364	10.203	0.032	9.735	0.033		0.441	0.042	T	0.51	0.04	L	9.8141	0.0030	0.024	100		9.77	9.87		C			1								
69365	9.278	0.019	8.746	0.018		0.499	0.024	T	0.57	0.03	L	8.7945	0.0016	0.012	73		8.76	8.81		C			1								S
69366	9.018	0.011	8.853	0.013		0.131	0.010	G	0.15	0.01	H	8.8928	0.0019	0.021	176		8.86	8.93		U			1								S
69367	12.072	0.166	10.841	0.083		1.051	0.145	T	1.02	0.12	L	10.8142	0.0070	0.045	82		10.77	10.89					1								G
69368	11.059	0.058	10.668	0.066		0.370	0.082	T	0.43	0.09	L	10.6996	0.0042	0.035	96		10.64	10.77		C			1								G
69369	9.690	0.018	8.653	0.013		0.902	0.017	T	0.90	0.01	L	8.6883	0.0021	0.022	110		8.66	8.73		R			1								
69370	9.921	0.023	9.513	0.025		0.386	0.031	T	0.45	0.03	L	9.5437	0.0018	0.015	86		9.52	9.57		C			1								
69371	8.417	0.009	8.160	0.009		0.231	0.016	G	0.26	0.02	H	8.2263	0.0014	0.015	141		8.20	8.25					1								
69372	9.760	0.022	9.480	0.025		0.264	0.035	T	0.30	0.04	L	9.5413	0.0022	0.019	101		9.51	9.58		C			1								
69373	7.254	0.006	5.374	0.003		1.595	0.006	T	1.93	0.02	O	5.2688	0.0016	0.011	92		5.25	5.28		U 2			1	S							S
69374	9.475	0.016	8.984	0.016		0.474	0.017	T	0.55	0.02	L	9.0734	0.0025	0.022	102		9.04	9.11					1								
69375	9.574	0.021	8.458	0.014		0.962	0.020	T	0.95	0.02	L	8.4951	0.0023	0.017	77		8.47	8.52					1								
69376	10.685	0.025	9.522	0.015		0.970	0.015	G	0.95	0.01	I	9.5990	0.0024	0.031	216		9.55	9.65		U			1	S							
69377	10.703	0.053	9.921	0.043		0.695	0.052	T	0.75	0.04	L	10.0164	0.0028	0.024	90		9.97	10.05		C			1								
69378	10.558	0.045	9.885	0.040		0.623	0.050	T	0.69	0.04	L	9.9026	0.0034	0.021	85		9.87	9.95					1								
69379	9.848	0.019	8.376	0.010		1.240	0.017	T	1.20	0.02	L	8.3867	0.0016	0.015	130		8.36	8.41			14122+4225	I 1	1 X	S							S
69380	10.284	0.025	10.240	0.037		0.040	0.040	T	0.06	0.03	L	10.2797	0.0024	0.033	143		10.21	10.34					1								G
69381	9.717	0.018	8.767	0.013		0.837	0.016	T	0.86	0.01	L	8.8041	0.0018	0.019	157		8.78	8.84					1								
69382	10.602	0.038	9.135	0.019		1.236	0.033	T	1.19	0.03	L	9.1620	0.0023	0.023	124		9.12	9.20					1	S							
69383	7.894	0.009	7.606	0.008		0.246	0.009	G	0.28	0.01	H	7.6533	0.0009	0.010	99		7.64	7.67					1								S
69384	9.715	0.022	9.314	0.023		0.379	0.029	T	0.44	0.03	L	9.3350	0.0025	0.019	95		9.31	9.38		C			1								S
69385	10.219	0.035	8.292	0.014		1.599	0.030	T	1.62	0.03	L	8.2052	0.0018	0.017	111		8.18	8.24					1								
69386	10.382	0.028	9.031	0.015		1.145	0.025	T	1.11	0.02	L	9.0953	0.0021	0.018	123		9.06	9.12		C			1								
69387	10.353	0.028	9.009	0.015		1.140	0.025	T	1.10	0.03	L	9.0475	0.0019	0.022	145		9.01	9.09					1								
69388	8.183	0.008	7.786	0.008	*	0.376	0.010	T	0.44	0.01	L *	7.8303	0.0011	0.012	126	*	7.81	7.86		D	14122+4411	I 1	2 C	A	AB	304	0.330	0.002	0.33	0.03	S
69389	4.859	0.006	4.972	0.004		−0.118	0.006	G	−0.11	0.02	A	4.9532	0.0053	0.034	76		4.92	5.00	0.52	P 1 A	14123+0224	I 1	1								S P
69390	9.254	0.015	8.547	0.013		0.651	0.016	T	0.71	0.01	L	8.6056	0.0015	0.014	118		8.58	8.63		C			1								S
69391						1.181	0.128	G	1.30	0.23	I	11.5735	0.0047	0.046	126		11.50	11.66					1 X								G
69392	9.222	0.015	8.648	0.014		0.528	0.003	G	0.60	0.00	H	8.7156	0.0019	0.015	90		8.69	8.74		C			1								
69393	9.710	0.023	8.948	0.019	*	0.695	0.024	T	0.75	0.02	L *	9.0119	0.0018	0.015	92	*	8.99	9.04		D	14124+0352	I 1	2 C	A	AS	119	0.195	0.015	0.68	0.44	
69394	9.757	0.019	8.592	0.012	*	1.000	0.017	T	0.98	0.01	L *	8.6067	0.0018	0.019	170	*	8.58	8.64		D	14124−5340	I 1	2 C	A	AB	52	0.666	0.007	2.08	0.04	
69395	10.475	0.035	8.981	0.018		1.257	0.031	T	1.22	0.03	L	8.9657	0.0022	0.018	95		8.93	8.99					1								
69396	9.923	0.023	9.497	0.024		0.510	0.015	G	0.58	0.02	H	9.5227	0.0025	0.023	115		9.49	9.57					1								G
69397	8.784	0.009	8.738	0.011		0.047	0.013	T	0.06	0.01	L	8.7704	0.0020	0.024	195		8.72	8.81					1								
69398	8.125	0.012	6.496	0.005		1.351	0.001	G	1.32	0.00	H	6.5025	0.0005	0.005	78		6.49	6.52		C			1								S
69399	8.239	0.010	7.858	0.010	*	0.385	0.400	G	0.38	0.04	L *	7.7899	0.0044	0.040	112	–	7.75	7.89		D	14124+2843	I 2	2 C P B		BA	225	0.276	0.003	0.12	0.07	S G
69400	9.541	0.016	8.612	0.012	A	0.840	0.005	G	0.88	0.01	H *	8.6591	0.0017	0.014	115	*	8.64	8.69		C	14125+6735	I 1	2 C	B	AB	347	5.453	0.035	3.58	0.15	

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)												Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ $\alpha*$	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr													%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
69401	14 12 27.70	+28 42 58.0	7.78	H	213.115 427 39	+28.716 105 81	C	11.30	−35.43	12.20	10.57	10.99	1.82	1.62	1.35	−17	+ 1	− 4	− 1	− 7	+11	− 9	+ 3	+ 5	+18		17	−2.24
69402	14 12 31.28	−02 58 19.3	7.30	H	213.130 349 69	−02.972 025 26		8.94	−19.28	−40.69	0.89	0.61	1.05	1.16	0.74	−29	−35	− 6	+18	−15	−20	−16	+10	+ 6	−33		0	0.18
69403	14 12 33.44	−09 54 00.2	7.15	1 G	213.139 330 96	−09.900 046 42		15.27	42.75	−12.28	0.85	0.58	0.96	0.90	0.73	−12	−30	−17	+23	+ 9	−10	− 6	−35	+35	−24		2	0.94
69404	14 12 33.87	−35 24 33.1	8.63	H	213.141 112 95	−35.409 201 43		1.72	−10.82	−10.61	0.97	0.65	1.10	1.47	0.88	− 9	−11	−13	− 8	−10	+15	− 5	−13	− 6	+ 8		0	−0.05
69405 H	14 12 36.25	+45 11 52.2	9.22	2 H	213.151 034 41	+45.197 838 60	A	6.42	−30.34	31.33	1.44	1.72	1.89	1.40	1.44	+18	− 2	− 3	−26	−14	− 5	−12	−24	+ 3	+10		0	1.52
69406	14 12 36.98	−71 20 59.6	8.25	H	213.154 081 54	−71.349 878 70		10.08	41.78	−30.22	0.60	0.67	0.88	0.77	0.82	+25	−15	+ 4	+ 4	+ 9	+ 8	+ 4	+19	+14	+43		0	−2.19
69407	14 12 37.64	+22 22 30.4	7.94	H	213.156 817 01	+22.375 103 96		7.75	27.50	−42.51	0.90	0.66	1.05	1.11	0.68	−10	−25	− 9	+19	+ 7	−13	+10	+31	−28	− 7		0	0.41
69408	14 12 38.95	+49 07 55.2	9.88	H	213.162 288 79	+49.131 988 80		5.36	−54.40	−15.75	0.80	0.97	1.15	0.96	1.10	+ 6	−13	−24	+18	−11	+10	−16	−15	+16	−14		1	0.77
69409	14 12 41.56	−01 58 28.3	9.20	H	213.173 185 45	−01.974 521 48		2.71	−51.15	−3.47	1.18	0.73	1.41	1.34	0.85	−15	−16	−12	−19	−16	+ 4	−19	−23	+21	−29		0	0.70
69410	14 12 41.59	+23 48 51.5	8.88	G	213.173 275 30	+23.814 307 03		30.62	−38.02	−2.50	0.98	0.76	1.16	0.89	0.76	−32	+ 2	− 1	−38	− 3	+ 6	+ 2	− 8	−18	−52		0	2.02
69411	14 12 42.06	+15 39 44.9	8.56	H	213.175 238 19	+15.662 480 25		11.81	−74.98	−18.66	0.77	0.69	1.01	0.90	0.80	−38	− 4	− 7	+ 2	+15	− 9	+14	− 2	− 4	−54		0	−0.49
69412 H	14 12 42.38	+22 32 48.4	10.54	H	213.176 597 01	+22.546 787 95	*	2.74	−19.73	21.25	5.88	3.04	3.35	3.59	2.22	−12	−29	−11	+21	+11	−30	+ 4	+18	− 5	−28		2	0.38
69413	14 12 43.79	−58 19 00.1	7.51	H	213.182 438 82	−58.316 703 03		10.75	3.34	45.93	0.63	0.61	0.84	0.67	0.76	− 4	−34	− 1	+32	+ 5	− 5	+ 3	+28	+ 8	− 1		0	0.18
69414	14 12 45.33	−03 19 09.5	7.05	G	213.188 889 83	−03.319 301 38		44.89	−160.71	−322.14	0.87	0.58	1.01	1.15	0.70	−23	−33	−11	+22	− 6	−21	− 9	+ 5	+ 6	−29		0	1.17
69415	14 12 46.03	−27 15 40.0	5.07	H	213.191 804 66	−27.261 100 02		14.22	−13.44	−35.52	0.66	0.59	0.98	0.84	0.90	−35	−14	−27	+10	+12	+ 6	+ 3	−46	+40	−43		0	−0.84
69416	14 12 46.12	+64 55 22.7	7.68	H	213.192 168 09	+64.922 961 96		2.62	−2.40	22.94	0.54	0.53	0.61	0.59	0.60	+10	−14	−15	−17	− 7	+ 0	− 3	− 2	−20	− 5		0	−0.34
69417	14 12 47.00	+08 00 29.4	7.62	H	213.195 836 68	+08.008 154 27		5.63	7.43	−34.43	0.98	0.75	1.25	1.16	0.85	−20	+11	−47	−32	− 7	+18	+ 6	−30	+25	−25		0	0.69
69418 H	14 12 47.07	+11 03 49.0	8.27	H	213.196 113 21	+11.063 623 48	*	3.08	11.21	−1.89	0.83	0.58	1.00	0.83	0.62	−23	−21	−17	+ 4	− 8	+ 5	− 4	+11	−12	−42		2	−0.13
69419	14 12 50.26	−63 30 54.5	8.63	G	213.209 434 01	−63.515 147 51		1.90	−2.38	−2.49	0.64	0.87	1.27	0.75	0.93	+36	−16	− 8	+39	+18	− 1	+16	+ 8	+24	+42		0	0.02
69420	14 12 50.46	−66 27 09.2	8.10	H	213.210 232 16	−66.452 565 21		1.65	−9.00	−5.53	0.65	0.72	1.06	0.73	0.89	+38	−13	+ 7	− 8	− 4	−13	− 5	+ 4	+12	+42		0	−0.99
69421	14 12 50.75	+11 37 13.7	8.99	H	213.211 449 12	+11.620 465 71		3.56	−28.77	−5.97	0.91	0.74	1.29	0.99	0.83	−42	−12	− 7	+40	−12	−10	−13	+26	−15	−50		2	−0.37
69422	14 12 52.01	−81 32 30.5	8.27	H	213.216 722 31	−81.541 800 18		4.47	−21.39	−27.25	0.63	0.63	0.76	0.66	0.67	+15	−21	+ 4	−11	+ 6	− 7	+ 5	+19	+ 2	+21		0	−0.70
69423	14 12 52.74	−16 46 11.3	9.89	H	213.219 768 58	−16.769 806 49		3.40	−43.11	−0.92	1.44	0.87	1.57	1.63	1.08	−12	−32	− 9	+26	+ 0	+18	− 3	−10	+22	− 5		0	0.12
69424	14 12 52.86	+09 50 53.7	8.80	H	213.220 240 69	+09.848 248 69		5.56	5.87	−4.63	1.01	0.71	1.26	1.18	0.78	−43	− 2	−14	− 8	+11	− 8	+16	+17	− 9	−63		0	1.60
69425	14 12 52.98	+34 54 17.4	8.77	G	213.220 738 27	+34.904 844 06		4.60	−12.48	5.48	0.73	0.72	1.19	1.02	0.94	+19	− 1	−13	+ 0	+ 2	− 1	+ 5	+ 9	+10	−17		0	−0.18
69426	14 12 53.02	+52 43 21.1	8.95	H	213.220 902 42	+52.722 514 09		0.98	−2.37	13.91	0.70	0.81	0.95	0.93	1.01	+14	− 3	−19	+13	− 1	+ 2	− 1	− 3	+19	+16		0	0.49
69427	14 12 53.74	−10 16 26.6	4.18	G	213.223 920 88	−10.274 044 00		14.59	8.04	140.79	0.86	0.53	0.95	0.78	0.64	+ 2	−49	−24	+24	+ 9	+ 6	− 7	−31	+30	−16		0	0.17
69428	14 12 54.82	+50 22 00.8	9.00	H	213.228 416 62	+50.366 891 67		9.80	−50.29	29.96	0.75	0.85	0.97	0.91	0.92	+17	−11	−11	−15	−15	− 2	−15	−29	− 2	+12		0	1.71
*69429	14 12 55.11	−40 50 00.5	6.75	H	213.229 641 86	−40.833 466 50		5.48	−19.38	−7.15	0.62	0.50	0.80	0.73	0.68	−16	−18	−11	+26	− 4	+ 7	−10	− 6	+25	−25		0	−0.75
*69430	14 12 55.05	−64 09 36.2	8.85	H	213.229 374 24	−64.160 064 88		0.51	2.98	30.56	0.67	0.91	1.31	0.88	1.11	+50	− 4	− 5	+10	+19	+ 9	+17	+15	+18	+61		1	−0.77
69431	14 12 56.17	+30 06 39.3	8.82	H	213.234 056 88	+30.110 919 68		10.11	−73.45	22.38	0.94	0.81	1.27	1.30	0.96	+ 6	−15	−36	+28	− 3	−10	−15	−18	+28	−16		0	1.12
69432	14 12 56.28	+50 42 46.3	7.81	H	213.234 501 78	+50.712 852 36		4.74	7.65	3.36	0.57	0.64	0.74	0.65	0.67	+22	−17	−18	− 2	−10	+ 2	−11	−24	+ 0	+10		0	1.41
69433 H	14 12 56.36	−25 30 15.4	7.21	H	213.234 826 88	−25.504 291 11	A	6.46	−5.13	−19.76	1.52	1.36	1.65	1.45	1.36	−31	− 4	−48	+22	+15	+ 5	+29	−61	+53	− 6		0	−0.11
69434	14 12 57.72	+35 36 02.2	8.07	H	213.240 499 64	+35.600 619 20		6.88	5.80	−7.80	0.56	0.63	0.97	0.66	0.74	+ 8	+10	−22	−37	+11	−16	+14	− 1	+ 1	− 4		0	−0.27
69435	14 12 58.48	+55 33 22.5	9.69	G	213.243 654 72	+55.556 251 40		3.49	−27.39	3.90	0.86	0.96	1.11	1.06	1.14	+17	−18	−22	−17	−15	+ 9	−16	−18	+23	+ 0		1	−0.04
69436	14 12 58.64	+04 58 09.2	9.30	H	213.244 346 71	+04.969 221 66		4.86	11.41	−3.05	1.18	0.85	1.44	1.24	0.94	−10	−11	−24	−28	−17	+27	−12	−21	− 9	−27		0	−0.36
*69437	14 12 59.31	+31 34 39.7	8.23	H	213.247 125 68	+31.577 705 48		13.89	−33.85	−27.69	0.60	0.70	1.01	0.93	0.78	−23	+14	−16	+30	+ 7	− 2	+ 5	− 4	+17	−20		0	1.39
*69438	14 12 59.18	+15 52 46.2	8.33	H	213.246 564 20	+15.879 513 40		6.48	−36.73	11.39	0.76	0.68	1.00	0.89	0.78	−43	+ 3	− 7	+ 2	+12	−13	+10	+ 1	+ 0	−57		0	−0.90
*69439	14 12 59.26	+36 33 26.7	9.73	G	213.246 908 95	+36.557 413 57		2.38	−36.81	−46.69	0.88	0.99	1.57	1.12	1.10	− 1	− 2	−34	−32	+20	−18	+17	− 8	+17	−15		0	1.49
69440	14 12 59.86	−55 19 56.6	9.26	H	213.249 412 75	−55.332 388 06		1.21	−7.30	−8.85	0.86	0.70	1.11	0.96	0.82	− 1	−19	− 2	+27	+ 4	− 6	+ 3	+14	+13	+11		1	3.49
69441	14 13 00.72	−31 14 20.4	7.89	H	213.252 999 11	−31.238 998 46		11.60	−74.69	−64.91	1.20	0.95	1.10	2.54	1.76	− 9	−26	−11	+43	+44	−11	+53	−26	+ 2	+34		2	0.65
69442 H	14 13 01.02	+55 19 31.5	8.33	H	213.254 229 32	+55.325 421 96	A	26.43	−338.44	−6.30	1.80	1.99	1.75	1.66	1.67	+22	− 3	−17	−18	−14	+17	−11	−20	+15	+13		1	0.97
69443	14 13 01.82	−34 37 14.7	8.59	H	213.257 563 87	−34.620 745 23		13.69	−55.69	−71.61	0.86	0.67	1.09	1.16	0.87	−23	−14	−11	+20	− 2	+25	+ 5	−12	− 2	−15		0	−0.52
69444	14 13 01.92	+64 09 17.8	9.42	H	213.257 991 26	+64.154 930 65		7.01	−17.36	−61.26	0.89	0.85	1.02	0.94	0.96	+13	−19	−17	− 7	− 7	− 7	− 4	+ 1	−20	− 1		0	−1.40
69445	14 13 03.53	−65 26 52.7	12.07	2 H	213.264 724 58	−65.447 965 17		2.64	−4.32	−0.34	2.79	3.41	4.80	3.84	4.31	+41	− 9	+ 7	+23	+22	+ 4	+20	+25	+ 7	+59		4	1.80
69446	14 13 03.95	+59 01 44.2	10.97	H	213.266 444 50	+59.028 932 02		15.14	74.40	−81.00	1.23	1.39	1.57	1.45	1.61	+16	−18	−29	− 7	+ 0	+ 8	+ 2	− 9	+ 3	+ 3		1	−0.83
69447	14 13 07.72	+43 01 06.4	9.97	H	213.282 177 94	+43.018 447 36		3.34	6.29	−29.33	0.87	1.22	1.39	1.11	1.25	+ 6	− 8	−10	−11	+ 4	+ 5	+ 2	−33	−19	− 9		3	0.18
69448	14 13 09.17	−50 03 51.5	10.65	H	213.288 223 54	−50.064 297 46		4.55	−9.53	2.01	1.60	1.57	2.51	2.17	2.12	−13	−18	+13	+12	+ 9	−27	+14	−10	+ 1	− 5		4	2.51
69449	14 13 09.80	−13 51 35.6	6.82	2 H	213.290 828 92	−13.859 876 85		2.36	−39.31	−23.71	0.98	0.70	1.20	1.05	0.98	− 8	−40	−27	+16	+17	−28	−10	−41	+45	−34		0	0.00
69450 H	14 13 10.71	−63 59 09.5	7.89	G	213.294 611 01	−63.985 980 87	A	7.93	−31.85	−10.40	2.03	2.05	2.94	2.35	2.01	+53	− 2	+ 8	+15	+24	+12	+20	+19	+30	+61		5	3.07
69451	14 13 10.93	−73 25 34.5	8.45	2 H	213.295 546 47	−73.426 241 86		1.89	−23.02	1.94	0.69	0.76	0.95	0.81	0.88	+18	− 7	+ 2	+12	+25	−10	+23	+31	+13	+19		0	2.42
69452	14 13 11.13	−12 32 20.0	9.32	H	213.296 366 47	−12.538 887 08		1.52	−15.54	−7.69	1.57	0.97	1.83	1.96	1.42	+ 2	−43	−31	+26	+15	−16	−12	−35	+43	−24		0	−1.71
69453	14 13 11.37	+32 07 36.4	9.91	H	213.297 360 38	+32.126 776 01		0.26	−0.07	−22.51	0.86	1.03	1.47	1.27	1.11	−23	+12	−27	+15	+ 8	+ 9	+ 9	−21	+15	−21		1	1.04
69454	14 13 12.50	−56 44 33.0	10.20	G	213.302 068 76	−56.742 493 71		85.02	355.70	178.03	1.07	1.06	1.79	1.48	1.22	+ 3	−19	+ 8	+10	+ 1	−17	− 1	+ 5	+19	+31		0	1.57
69455	14 13 12.68	−15 37 28.4	8.92	H	213.302 852 80	−15.624 552 58		8.08	−30.60	−2.93	1.18	0.75	1.14	1.38	0.87	− 9	+ 1	−14	+52	+15	+25	+30	−24	+31	+17		0	−0.18
69456	14 13 13.00	−59 22 20.8	8.87	H	213.304 157 73	−59.372 449 61		4.21	−23.27	−17.74	2.23	2.06	3.05	3.36	2.77	+ 4	− 8	+ 3	+17	+ 6	+ 7	+ 8	+ 8	− 6	+23		0	
69457	14 13 13.22	−75 12 10.1	8.91	H	213.305 090 25	−75.202 791 97		17.32	55.89	44.65	0.75	0.70	0.93	0.96	0.94	+ 6	− 6	+ 1	−22	+15	−17	+10	+ 9	+10	+24		0	−0.18
69458	14 13 13.25	−26 36 44.2	6.23	G	213.305 199 27	−26.612 266 02		4.60	13.08	−17.86	0.65	0.57	0.92	0.82	0.79	−35	− 9	−34	+ 9	+ 2	+ 2	+ 1	−40	+39	−31		0	−1.02
69459 H	14 13 13.78	−33 34 08.2	8.25	G	213.307 411 90	−33.568 957 24	A	9.45	−10.82	−8.17	1.36	1.11	1.45	1.82	1.12	−14	+ 4	+ 4	+21	+ 3	+40	+ 9	−26	+ 5	+ 5		0	0.68
69460	14 13 14.11	−44 00 46.0	9.08	H	213.308 794 35	−44.012 764 92		1.33	9.96	−13.55	0.97	0.74	1.16	1.16	0.96	− 4	−23	− 8	−18	−13	+ 2	−15	− 8	+ 3	− 2		0	−1.03
69461	14 13 16.05	+27 40 28.3	8.95	H	213.316 858 83	+27.674 531 34		1.47	−11.21	7.71	0.75	0.83	1.16	0.90	0.81	−21	+12	+ 0	− 1	−15	+ 5	−13	+ 1	−17	−35		0	2.53
69462	14 13 16.42	−53 39 56.3	5.53	H	213.318 419 49	−53.665 651 35		1.25	−12.66	−9.52	0.42	0.39	0.62	0.45	0.41	− 9	−38	+ 4	+21	− 9	− 6	−17	+41	+11	+19		1	−0.99
69463	14 13 17.30	−08 40 09.1	8.21	H	213.322 098 02	−08.669 202 67		4.38	−9.84	−17.22	1.19	0.68	1.14	1.28	0.78	− 8	−20	− 5	+46	+ 4	+ 9	+ 7	−22	+21	+ 2		0	0.69
69464	14 13 17.41	−13 49 08.8	8.18	H	213.322 528 90	−13.819 100 13		4.97	−7.61	21.75	0.96	0.69	1.18	1.05	0.98	−12	−36	−23	+21	+18	−20	− 5	−29	+45	−34		0	0.08
69465	14 13 17.60	−32 24 00.1	9.62	H	213.323 319 47	−32.400 024 99		4.20	−67.33	3.13	1.22	1.07	1.44	1.69	1.47	−19	− 7	−14	+ 2	−15	+ 2	−15	+ 6	− 1	−17		0	0.91
69466	14 13 18.66	−08 26 40.7	7.16	H	213.327 769 80	−08.444 634 82		4.05	−14.04	0.95	1.05	0.61	0.97	1.15	0.70	+ 2	−27	− 1	+44	+10	− 2	+11	− 6	+16	+14		0	1.00
69467	14 13 19.66	+16 30 16.0	8.81	H	213.331 926 67	+16.504 433 24		2.99	−1.92	−7.80	0.84	0.71	1.14	0.92	0.77	−32	− 2	−14	+15	+ 6	−22	+ 4	+14	+ 9	−48		0	−0.66
69468	14 13 19.74	+08 36 40.4	10.83	G	213.332 238 97	+08.611 233 13		4.97	11.62	−43.43	1.88	1.44	2.22	2.32	1.65	−48	+ 0	−19	−23	+17	+ 4	+22	+ 1	− 8	−65		2	1.13
69469	14 13 20.13	+64 14 44.8	8.28	H	213.333 867 87	+64.245 767 47		4.37	14.12	25.94	0.61	0.63	0.74	0.75	0.72	+ 2	−24	−11	−13	−12	− 3	− 9	+ 4	−14	− 5		0	−0.83
69470	14 13 21.38	−12 09 23.9	9.50	H	213.339 066 49	−12.156 648 37		1.16	−94.27	−27.96	1.58	0.93	1.52	1.94	1.37	− 2	−20	−17	+43	+21	− 2	+ 7	−33	+25	−21		0	−2.16
69471	14 13 22.05	+62 42 16.5	7.85	H	213.341 876 43	+62.704 586 05		3.00	−19.10	18.22	0.53	0.54	0.60	0.55	0.58	+18	−17	−11	−17	+ 0	− 7	− 1	−12	− 1	+13		0	1.62
69472	14 13 22.29	−39 58 42.9	7.86	G	213.342 863 12	−39.978 579 28		1.85	−21.27	−5.84	0.82	0.66	1.17	0.78	0.95	− 2	−44	−29	− 6	+ 7	−18	−20	−35	+41	−32		0	1.15
69473	14 13 22.37	−81 47 27.7	8.73	H	213.343 210 99	−81.791 022 43		7.69	10.68	−4.39	0.74	0.65	0.86	0.72	0.68	+23	−34	− 1	−13	+ 6	+ 2	+ 0	+ 7	+11	+34		2	0.35
69474	14 13 22.98	+45 05 50.2	9.46	H	213.345 759 57	+45.097 281 03		5.83	−18.35	−48.42	0.76	0.82	1.07	0.83	0.75	+17	+ 1	− 1	−16	−23	+ 6	−19	−14	− 6	− 7		0	0.02
69475	14 13 23.96	−33 31 05.6	7.83	G	213.349 831 45	−33.518 209 03		5.97	−21.89	−24.20	0.82	0.56	1.03	1.28	0.78	−15	+ 6	− 7	+28	− 4	+42	+ 5	− 9	+ 5	+ 4		0	0.62
69476 H	14 13 24.23	+05 24 03.2	7.74	H	213.350 939 19	+05.400 882 45	A	3.42	8.24	6.40	1.85	1.39	1.94	1.79	1.39	−32	−14	− 8	−13	−15	+10	− 9	− 3	−19	−43		3	1.86
69477	14 13 25.63	+23 54 03.7	10.53	H	213.356 795 32	+23.901 036 40		6.97	−73.12	1.66	1.32	1.09	1.61	1.22	1.12	−31	+ 8	−18	−30	− 6	+ 5	− 2	− 8	− 7	−53		0	−1.74
69478	14 13 26.34	+17 32 03.6	11.04	H	213.359 732 18	+17.534 340 92		5.38	−28.71	−53.30	1.64	1.21	2.09	1.94	1.23	−18	− 9	− 5	+14	+12	−10	+11	− 4	−16	−15		0	−0.67
69479	14 13 26.38	−72 07 25.9	8.78	H	213.359 913 24	−72.123 850 74		4.37	−19.73	−12.32	0.67	0.73	0.94	0.75	0.87	+14	−29	− 4	+17	+16	− 7	+11	+27	+ 6	+ 9		0	1.13
69480 H	14 13 26.94	+12 34 26.2	8.25	H	213.362 237 13	+12.573 948 58	A	9.27	33.87	−18.29	3.78	2.54	1.41	1.56	1.21	−84	+ 0	− 2	+26	−10	−13	+ 3	+ 3	+ 0	−31		3	0.33
69481	14 13 27.75	+51 47 16.4	6.62	H	213.365 616 64	+51.787 876 76	B	16.66	64.58	−3.78	13.76	12.06	4.78	9.36	7.23	+11	−12	−21	+ 8	−10	+ 3	− 8	+ 1	+ 1	− 7		1	1.49
69482	14 13 28.34	+16 11 04.4	9.42	H	213.368 089 30	+16.184 558 73		2.86	−57.03	19.83	0.99	0.87	1.27	1.09	0.89	−42	− 6	− 2	− 4	+25	−10	+23	−14	− 2	−47		2	0.88
69483	14 13 28.95	+51 47 24.0	4.53	G	213.370 624 58	+51.789 990 66	A	21.03	61.39	−10.57	0.85	0.90	0.83	0.90	0.84	+14	− 7	−18	− 2	−11	+ 2	− 9	−11	+ 3	− 1		1	1.49
69484	14 13 29.55	−46 22 38.6	9.31	H	213.373 144 13	−46.377 391 50		7.21	−45.81	−13.19	1.22	0.88	1.55	1.10	1.14	+11	−52	−22	− 4	+ 2	−10	−20	−29	+35	−12		0	2.51
69485	14 13 31.13	−06 57 33.5	10.15	G	213.379 704 18	−06.959 314 22		51.06	111.33	136.90	1.56	1.10	1.74	1.51	1.20	−31	−41	+ 0	+21	+ 6	− 6	+ 3	−20	+ 9	−31		0	−0.97
69486	14 13 33.30	−12 56 32.4	9.26	H	213.388 757 77	−12.942 327 80		2.27	−1.71	−38.15	3.02	1.97	3.06	4.24	2.72	− 6	− 7	−20	+31	+13	+ 0	+12	−24	+19	− 6		3	
69487	14 13 34.14	−84 32 40.7	6.78	H	213.392 268 22	−84.544 629 06		8.75	−48.89	1.02	0.47	0.49	0.58	0.45	0.52	+ 2	−24	+ 8	−12	− 6	− 4	− 6	+ 6	− 4	+12		1	−0.46
69488 H	14 13 37.11	+55 22 11.4	9.15	H	213.404 615 86	+55.369 834 66	*	23.89	−241.85	−20.37	0.90	0.94	1.13	1.12	1.11	+15	−16	−22	−10	−13	+ 3	−15	−14	+22	+ 2		0	0.84
69489	14 13 38.44	−45 59 10.9	7.43	H	213.410 175 72	−45.986 361 23		8.33	12.68	7.60	0.80	0.57	0.95	0.81	0.72	− 1	−46	−13	−15	+ 2	+ 0	−11	−22	+28	−16		0	0.18
69490	14 13 39.41	+24 46 41.5	7.98	H	213.414 228 88	+24.778 196 24		5.24	−56.15	19.20	0.72	0.57	0.86	0.71	0.57	−14	+ 2	+ 7	− 5	−16	− 1	−13	+15	−14	−30		0	0.09
69491	14 13 39.84	−54 37 32.2	6.09	2 T	213.416 013 05	−54.625 600 13		2.96	−18.03	−11.15	0.47	0.39	0.63	0.41	0.41	− 1	−40	+ 2	+ 0	−11	−15	−19	+31	+10	+11		0	1.90
69492	14 13 39.97	+51 17 47.4	8.47	H	213.416 527 55	+51.296 491 43		3.14	−11.44	−0.63	0.64	0.70	0.80	0.77	0.72	+29	−13	−20	+10	−12	+ 1	−14	−17	− 4	+10		0	0.86
69493	14 13 40.67	−00 50 42.4	5.89	H	213.419 454 12	−00.845 124 45		17.94	207.42	−139.09	0.66	0.50	0.81	0.74	0.60	−24	−16	−20	− 6	−17	+ 2	−23	+19	−43	−24		2	1.57
69494	14 13 40.77	+58 29 48.4	8.35	H	213.419 876 99	+58.496 780 11		4.01	5.16	−9.42	0.60	0.68	0.76	0.66	0.81	+ 9	−10	−19	+ 1	− 6	+ 3	− 6	+ 4	+ 8	+ 1		1	−0.88
69495 H	14 13 41.52	−39 54 17.4	9.69	H	213.422 987 83	−39.904 831 27	A	14.88	50.04	−24.20	3.32	2.59	4.18	2.85	3.43	+ 8	−39	−42	− 4	+21	−30	−21	−54	+55	−38		2	−0.46
69496	14 13 41.60	−59 21 49.7	8.24	G	213.423 329 01	−59.363 803 70		3.61	−13.81	−6.20	0.74	0.69	0.97	1.22	0.91	+ 7	− 9	+ 8	+20	+ 1	− 6	+ 2	+ 8	+11	+12		0	0.12
69497	14 13 41.90	+00 42 41.0	9.06	H	213.424

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
69401	10.244	0.036	9.783	0.036	C	0.505	0.015	G	0.58	0.02	H	7.8882	0.0248	0.246	112	–	7.76	8.66		D	14124+2843	I 2	1 C F B							G
69402	7.749	0.009	7.347	0.008		0.408	0.015	G	0.47	0.02	H	7.3933	0.0012	0.010	77		7.38	7.41		C			1							S
69403	7.515	0.010	7.187	0.008		0.333	0.015	G	0.39	0.02	H	7.2551	0.0035	0.024	76		7.21	7.29	1.34	P 1 A			1							S P
69404	10.361	0.034	8.791	0.016		1.317	0.030	T	1.28	0.04	L	8.7833	0.0023	0.018	87		8.76	8.82					1							
69405	9.880	0.026	9.201	0.023	*	0.628	0.029	T	0.70	0.03	L *	9.3451	0.0026	0.031	135	*	9.30	9.42		U 2	14126+4512	I 1	2 C A	AB	151	8.971	0.007	1.28	0.03	
69406	8.739	0.009	8.298	0.009		0.445	0.015	G	0.51	0.02	H	8.3518	0.0013	0.017	157		8.32	8.37					1							
69407	8.463	0.014	7.994	0.012		0.452	0.022	G	0.52	0.02	H	8.0408	0.0021	0.013	76		8.02	8.06					1							S
69408	10.559	0.040	9.874	0.033		0.633	0.043	T	0.70	0.04	L	10.0125	0.0023	0.024	122		9.98	10.06		C			1							
69409	10.579	0.052	9.355	0.030		1.046	0.047	T	1.02	0.04	L	9.3720	0.0019	0.017	79		9.35	9.40		C			1							
69410	10.140	0.023	8.998	0.015		0.960	0.015	G	1.01	0.02	I	9.0275	0.0023	0.018	122		9.00	9.06					1 S							
69411	9.181	0.014	8.601	0.013		0.542	0.017	T	0.62	0.02	L	8.6765	0.0013	0.016	117		8.65	8.71					1							S
69412	11.397	0.083	10.557	0.065	*	0.574	0.072	G	0.65	0.07	R *	10.6607	0.0048	0.026	75	*	10.60	10.71		C	14127+2233	H 1	2 C C	AB	317	0.234	0.100	1.64	1.12	G
69413	8.100	0.008	7.570	0.009		0.533	0.006	G	0.61	0.01	H	7.6298	0.0015	0.014	108		7.61	7.65		C			1							S
69414	7.974	0.010	7.123	0.008		0.733	0.008	G	0.78	0.01	H	7.1838	0.0010	0.008	75		7.17	7.20		C			1							S
69415	6.568	0.005	5.204	0.003		1.130	0.039	G	1.16	0.02	A	5.2345	0.0007	0.006	96		5.23	5.25		C			1							S
69416	9.586	0.016	7.824	0.008		1.469	0.014	T	1.48	0.02	L	7.8149	0.0011	0.011	134		7.79	7.83					1							S
69417	9.122	0.016	7.753	0.009		1.159	0.014	T	1.12	0.01	L	7.7888	0.0015	0.011	75		7.77	7.81		C			1							S
69418	8.604	0.012	8.300	0.012	*	0.289	0.016	T	0.33	0.02	L *	8.3392	0.0015	0.014	99	*	8.32	8.36		D	14128+1104	I 1	2 C S A	AB	99	0.172	0.009	0.18	0.48	S
69419	8.877	0.010	8.832	0.012		0.046	0.014	T	0.06	0.01	L	8.8038	0.0027	0.031	191		8.75	8.86		U 2			1							
69420	10.134	0.021	8.257	0.009		1.560	0.018	T	1.58	0.02	L	8.2172	0.0016	0.019	184		8.19	8.25					1							
69421	10.407	0.028	9.112	0.016		1.101	0.025	T	1.06	0.03	L	9.1594	0.0016	0.019	133		9.13	9.19		C			1							
69422	10.005	0.023	8.434	0.012		1.318	0.020	T	1.28	0.02	L	8.4229	0.0018	0.017	143		8.39	8.45					1							
69423	10.521	0.045	9.895	0.042		0.578	0.046	T	0.65	0.04	L	10.0183	0.0021	0.021	61		9.98	10.05					1							
69424	10.319	0.033	8.940	0.017		1.167	0.029	T	1.13	0.03	L	8.9700	0.0019	0.016	112		8.92	9.00					1 S							
69425	10.394	0.023	8.911	0.012		1.200	0.015	G	1.16	0.01	H	8.9567	0.0018	0.021	168		8.92	9.00		C			1							
69426	10.366	0.031	9.051	0.017		1.117	0.028	T	1.08	0.03	L	9.1218	0.0022	0.017	116		9.10	9.15		C			1							
69427	5.917	0.004	4.334	0.003		1.323	0.040	G	1.35	0.02	A	4.3251	0.0009	0.005	70		4.32	4.34		C			1							S
69428	9.684	0.021	9.060	0.019		0.581	0.025	T	0.65	0.02	L	9.1225	0.0023	0.021	111		9.09	9.15					1							
69429	6.739	0.005	6.754	0.005		−0.012	0.006	T	0.01	0.01	L	6.7536	0.0010	0.007	88		6.74	6.77					1							S
69430	10.222	0.018	8.994	0.011		1.049	0.016	T	1.02	0.01	L	9.0229	0.0020	0.027	239		8.98	9.07					1 S							
69431	9.364	0.018	8.846	0.017		0.486	0.022	T	0.56	0.02	L	8.9244	0.0016	0.017	86		8.88	8.95					1							S
69432	7.966	0.009	7.820	0.009		0.120	0.015	G	0.13	0.01	H	7.8519	0.0011	0.011	120		7.84	7.87		C			1 S							S
69433	8.478	0.014	7.330	0.008	*	0.986	0.012	T	0.97	0.01	L *	7.3730	0.0010	0.008	78	*	7.36	7.39		D	14129−2530	I 1	2 C A	AB	260	0.579	0.009	2.22	0.04	S
69434	8.637	0.007	8.132	0.007		0.493	0.013	G	0.57	0.01	H	8.1803	0.0017	0.015	190		8.15	8.21					1							S
69435	10.066	0.027	9.682	0.029		0.310	0.015	G	0.36	0.02	H	9.7544	0.0022	0.021	106		9.73	9.79		C			1							
69436	10.681	0.040	9.389	0.022		1.099	0.036	T	1.06	0.04	L	9.4698	0.0022	0.020	84		9.43	9.50		C			1							
69437	8.825	0.010	8.280	0.009		0.511	0.012	T	0.58	0.01	L	8.3377	0.0018	0.017	169		8.31	8.37			14130+3135	I 1	1							S
69438	8.722	0.011	8.358	0.011		0.345	0.014	T	0.40	0.02	L	8.4107	0.0017	0.013	109		8.38	8.44			14130+1553	I 1	1							S
69439	10.048	0.020	9.749	0.023		0.291	0.010	G	0.33	0.01	H	9.8016	0.0033	0.033	145		9.75	9.87					1							
69440	9.485	0.016	9.296	0.019		0.181	0.023	T	0.20	0.03	L	9.3182	0.0017	0.026	136		9.28	9.36					1 S							
69441	8.493	0.013	7.945	0.011		0.529	0.015	G	0.60	0.02	H	8.0001	0.0013	0.012	76		7.98	8.02		C			1 G							S
69442	9.251	0.023	8.305	0.013	*	0.946	0.003	G	0.99	0.00	I *	8.4739	0.0017	0.014	110	*	8.45	8.50		D	14130+5519	I 1	2 C A	AB	115	2.577	0.005	0.36	0.02	
69443	9.233	0.016	8.650	0.015		0.546	0.016	T	0.62	0.01	L	8.7111	0.0016	0.017	99		8.68	8.75		C			1							
69444	10.188	0.029	9.481	0.024		0.651	0.031	T	0.71	0.03	L	9.5572	0.0026	0.025	112		9.51	9.59					1							S
69445											T	12.1860	0.0114	0.141	198		11.89	12.40		U 2			1 S							D
69446	12.275	0.151	10.905	0.077		1.595	0.197	G	2.59	0.45	I	10.9706	0.0044	0.044	121		10.89	11.04					1							G
69447	11.414	0.067	10.029	0.031		1.172	0.058	T	1.13	0.05	L	10.1375	0.0031	0.027	112		10.09	10.18		C			1							
69448	11.238	0.075	10.786	0.082		0.426	0.102	T	0.49	0.11	L	10.7454	0.0048	0.038	96		10.67	10.81					1 S							G
69449	8.918	0.014	7.059	0.007		1.578	0.013	T	2.55	0.08	O	6.8284	0.0208	0.154	71		6.64	7.03		U 2			1 S							S
69450	8.347	0.009	7.997	0.010	*	0.319	0.002	G	0.37	0.00	H *	7.9772	0.0013	0.019	240	*	7.94	8.01		D	14132−6359	I 1	2 C A	AB	254	0.805	0.004	0.10	0.01	S
69451	10.622	0.031	8.697	0.012		1.632	0.027	T	2.66	0.04	O	8.4330	0.0076	0.107	152		8.26	8.66		U 2			1 S							
69452	11.350	0.094	9.508	0.030		1.532	0.078	T	1.58	0.17	L	9.4421	0.0023	0.019	64		9.41	9.47		C			1							
69453	11.232	0.055	10.038	0.032		1.110	0.015	G	1.07	0.02	H	10.0754	0.0023	0.024	138		10.02	10.11		C			1							
69454	11.831	0.191	10.433	0.087		1.500	0.021	G	2.07	0.16	I	10.2683	0.0032	0.030	115		10.22	10.32		C			1							G
69455	9.304	0.019	8.946	0.020		0.348	0.024	T	0.41	0.03	L	9.0025	0.0025	0.022	81		8.95	9.04					1							
69456	10.472	0.035	9.038	0.018		1.210	0.031	T	1.17	0.03	L	9.0335	0.0023	0.020	104		9.00	9.06		C			1 X							
69457	9.736	0.017	9.001	0.014		0.659	0.017	T	0.72	0.01	L	9.0502	0.0027	0.025	136		9.02	9.09					1							
69458	7.584	0.007	6.354	0.004		1.071	0.010	G	1.04	0.01	H	6.3969	0.0008	0.006	102		6.38	6.41		C			1							S
69459	8.732	0.015	8.277	0.015	*	0.446	0.015	G	0.52	0.02	H *	8.3485	0.0018	0.012	75	*	8.33	8.37		D	14132−3334	H 1	2 C A	AB	173	0.528	0.015	3.12	0.08	S
69460	10.483	0.040	9.225	0.023		1.072	0.036	T	1.04	0.03	L	9.2470	0.0026	0.015	79		9.22	9.28		C			1							
69461	10.284	0.028	9.065	0.017		1.020	0.015	G	0.99	0.01	H	9.1170	0.0019	0.018	128		9.09	9.16		C			1							S
69462	7.396	0.005	5.736	0.003		1.438	0.002	G	1.36	0.01	L	5.6782	0.0006	0.006	167		5.67	5.69		C			1 S							S
69463	9.652	0.023	8.321	0.014		1.129	0.021	T	1.09	0.02	L	8.3823	0.0019	0.012	74		8.36	8.41		C			1							
69464	9.524	0.020	8.294	0.013		1.050	0.019	T	1.02	0.02	L	8.3460	0.0018	0.012	76		8.33	8.37		C			1							
69465	10.635	0.044	9.724	0.033		0.793	0.042	T	0.82	0.03	L	9.7643	0.0035	0.024	75		9.71	9.80		C			1							
69466	8.535	0.025	7.291	0.016		1.061	0.023	T	1.03	0.02	L	7.3276	0.0014	0.010	65		7.31	7.35		C			1							S
69467	9.344	0.016	8.863	0.016		0.453	0.021	T	0.52	0.02	L	8.9159	0.0017	0.020	117		8.89	8.95					1							S
69468	11.419	0.074	10.797	0.067		0.710	0.015	G	0.76	0.01	H	10.9547	0.0050	0.036	95		10.89	11.01		C			1							G
69469	8.844	0.012	8.324	0.012		0.488	0.015	T	0.56	0.02	L	8.3859	0.0021	0.016	121		8.36	8.41		C			1 G							S
69470	10.618	0.049	9.626	0.033		0.916	0.036	G	0.96	0.04	I	9.6501	0.0027	0.018	66		9.61	9.67					1							
69471	8.204	0.008	7.892	0.010		0.349	0.004	G	0.41	0.01	H	7.9331	0.0011	0.010	118		7.91	7.95					1							S
69472	8.076	0.010	7.884	0.011		0.173	0.013	G	0.19	0.01	H	7.9151	0.0015	0.011	95		7.90	7.93		C			1							S
69473	9.186	0.014	8.778	0.014		0.399	0.016	T	0.46	0.02	L	8.8228	0.0021	0.020	131		8.79	8.85					1							
69474	10.737	0.039	9.575	0.022		0.997	0.035	T	0.98	0.03	L	9.6245	0.0016	0.019	133		9.59	9.66					1							
69475	8.190	0.014	7.844	0.012		0.321	0.021	G	0.37	0.03	H	7.9087	0.0016	0.012	76		7.89	7.93					1							S
69476	8.068	0.015	7.691	0.016	*	0.357	0.020	T	0.42	0.02	L *	7.8300	0.0018	0.014	85	*	7.81	7.86		D	14134+0524	I 1	2 C A	AB	193	4.734	0.003	0.21	0.01	S
69477	11.161	0.054	10.558	0.052		0.562	0.066	T	0.64	0.06	L	10.6465	0.0033	0.030	125		10.60	10.70		C			1							G
69478	11.651	0.099	10.920	0.083		0.494	0.072	G	0.57	0.08	R	11.1499	0.0041	0.039	96		11.09	11.21		C			1							G
69479	8.966	0.012	8.811	0.014		0.141	0.017	T	0.16	0.02	L	8.8351	0.0018	0.020	150		8.81	8.87					1							
69480	8.969	0.010	8.335	0.009	*	0.589	0.011	T	0.66	0.01	L *	8.3761	0.0013	0.012	146	*	8.35	8.40		D	14134+1234	I 1	2 C A	AB	122	0.314	0.005	0.41	0.08	S
69481	7.033	0.008	6.621	0.008	B	0.394	0.005	G	0.48	0.02	L	6.8100	0.0401			B				D	14135+5147	I 2	1 C I A							S
69482	9.903	0.023	9.424	0.023		0.451	0.030	T	0.52	0.03	L	9.5173	0.0028	0.025	112		9.48	9.57					1							
69483	4.765	0.003	4.539	0.003	A	0.233	0.012	G	0.23	0.03	C	4.5711	0.0061	0.029	122	A	4.54	4.64		D	14135+5147	I 2	1 C P A							S P
69484	9.835	0.023	9.369	0.023		0.452	0.025	T	0.52	0.03	L	9.4097	0.0027	0.016	80		9.38	9.44		C			1							
69485	11.951	0.157	10.250	0.050		1.418	0.020	G	1.73	0.02	A	10.2317	0.0040	0.032	74		10.15	10.30					1							
69486	9.896	0.031	9.290	0.028		0.548	0.015	G	0.62	0.01	H	9.3745	0.0031	0.022	64		9.34	9.41		C			1 X							
69487	8.026	0.007	6.884	0.005		0.982	0.007	T	0.96	0.01	L	6.9431	0.0009	0.009	135		6.93	6.96					1							S
69488	10.375	0.031	9.264	0.020	*	0.958	0.029	T	0.95	0.02	L *	9.3190	0.0030	0.023	103	*	9.29	9.35			14136+5522	H 1	2 C S A	AB	276	0.188	0.027	1.67	0.42	
69489	7.680	0.008	7.457	0.008		0.221	0.015	G	0.24	0.02	H	7.4931	0.0012	0.007	80		7.48	7.51		C			1							S
69490	8.021	0.007	7.968	0.011		0.048	0.012	T	0.06	0.01	L	8.0035	0.0014	0.014	100		7.98	8.02		C			1							S
69491	6.148	0.008	6.092	0.009		0.051	0.011	T	0.06	0.01	L	6.1065	0.0091	0.084	141		6.06	6.47	1.49	P 1 A			1							S
69492	8.972	0.017	8.521	0.017		0.425	0.022	T	0.49	0.02	L	8.5613	0.0013	0.013	117		8.54	8.58					1							S
69493	6.457	0.004	5.948	0.004		0.489	0.004	T	0.56	0.00	L	5.9996	0.0006	0.006	116		5.99	6.01		C			1							S
69494	9.535	0.016	8.420	0.011		0.961	0.015	T	0.95	0.01	L	8.5099	0.0017	0.016	125		8.49	8.54					1							
69495	10.903	0.050	9.807	0.031	A	0.877	0.150	G	0.92	0.15	R *	9.8515	0.0046	0.031	94	*	9.80	9.91			14137−3954	H 1	2 C C	AB	44	2.826	0.070	3.00	0.33	
69496	8.499	0.010	8.307	0.012		0.210	0.015	G	0.23	0.02	H	8.3144	0.0015	0.014	103		8.28	8.34		C			1							
69497	10.354	0.033	9.144	0.020		1.035	0.030	T	1.01	0.03	L	9.2235	0.0031	0.027	92		9.19	9.27		R			1 S							
69498	8.885	0.012	8.307	0.011		0.544	0.001	G	0.62	0.00	H	8.3646	0.0019	0.014	91		8.34	8.39		C			1							S
69499	10.724	0.047	10.095	0.042	A	0.640	0.020	G	0.70	0.02	H *	10.1439	0.0030	0.028	97	*	10.10	10.18			14137+0016	H 1	2 C D	AB	117	3.125	0.086	3.20	0.26	D
69500	8.284	0.011	7.104	0.008		1.016	0.001	G	0.99	0.00	H	7.1461	0.0010	0.007	68		7.13	7.16		C			1							S

Number	Descriptor: epoch J1991.25					Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)																						Soln	
HIP	RA		Dec		V	α (ICRS)		δ	π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	$\alpha*$	π	$\alpha*$	δ	$\alpha*$	δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	F1	F2
	h	m s	±°	′ ″	mag	deg		deg	mas	mas/yr		mas		mas	mas/yr		$\alpha*$	$\alpha*$	δ	$\alpha*$	δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	δ	π	$\mu_{\alpha*}$	δ	π	$\mu_{\alpha*}$	δ	π	$\mu_{\alpha*}$	%	
1 2	3		4		5 6 7	8		9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28									29	30
69501	14 13 43.08		−47 30 43.8		9.12 H	213.429 479 50		−47.512 157 42	3.45	−39.89	−14.28	0.99	0.83	1.25	1.25	1.02	+ 6	−19	− 1	+13	+10	+ 1	+ 7	− 4	+29	+31									0	−0.71
69502	14 13 43.24		+58 06 54.5		8.33 2 H	213.430 161 18		+58.115 141 39	2.83	−1.88	2.35	0.61	0.68	0.78	0.65	0.77	+12	−19	−27	+ 0	− 3	+ 5	− 2	+ 4	+ 4	+ 1									0	−0.76
69503	14 13 43.55		−22 28 11.2		8.44 H	213.431 447 51		−22.469 786 06	3.17	8.70	2.82	1.08	0.87	1.29	1.56	1.21	−30	− 7	−21	+16	+17	+ 2	+11	−48	+20	−39									5	0.13
69504	14 13 44.07		+22 39 46.4		9.18 H	213.433 618 33		+22.662 883 70	7.98	−20.68	19.41	1.17	0.90	1.47	1.56	0.89	− 2	−27	−37	+26	+31	−33	+19	+11	−14	−15									0	−0.99
69505	14 13 44.18		+08 41 14.4		8.13 H	213.434 074 70		+08.687 335 15	1.62	− 7.17	− 5.34	1.03	0.78	1.24	1.29	0.87	−36	− 6	−32	−20	+17	− 8	+15	−21	+11	−52									2	3.44
69506	14 13 45.90		+72 36 59.8		9.63 H	213.441 258 86		+72.616 624 82	1.20	− 1.12	9.81	0.77	0.81	0.88	0.96	0.95	− 9	− 8	−14	+ 7	− 8	+ 1	− 7	+ 4	−14	−28									0	0.58
69507	14 13 46.15		+37 34 24.2		7.99 H	213.442 286 49		+37.573 385 24	2.36	− 9.15	−38.94	0.47	0.65	0.98	0.55	0.73	+30	− 2	−17	+16	−12	− 6	−15	− 6	− 4	+23									0	−0.13
69508	14 13 46.23		−36 37 15.6		7.28 H	213.442 623 93		−36.621 003 82	13.69	−71.35	−34.30	0.80	0.56	0.96	1.00	0.75	−20	− 9	− 8	+39	− 2	+33	− 3	− 4	− 1	−30									0	−0.57
69509	14 13 46.25		+31 11 43.1		7.50 H	213.442 689 39		+31.195 319 10	2.31	−31.19	− 0.43	0.52	0.61	0.85	0.84	0.66	−28	+12	−23	+17	− 4	− 6	− 4	− 7	+ 2	−26									0	1.91
69510	14 13 47.05		+56 19 06.6		8.67 H	213.446 059 38		+56.318 486 75	2.19	−23.73	11.46	0.62	0.70	0.76	0.84	0.87	+17	− 5	−17	−19	−16	+ 3	−14	−11	+12	− 1									0	−1.52
69511	14 13 47.46		+20 01 49.3		8.99 H	213.447 767 74		+20.030 349 07	6.66	−54.72	−24.46	0.84	0.75	1.08	0.96	0.80	−24	− 1	−11	+10	− 3	− 3	− 3	+18	− 9	−31									2	−0.64
69512	14 13 47.50		−13 20 27.9		7.79 H	213.447 926 01		−13.341 076 37	0.98	1.66	0.76	1.09	0.66	1.21	1.33	1.09	− 6	−35	−19	+39	+13	−23	−18	−31	+45	−40									0	−0.19
69513 H	14 13 47.65		+41 11 15.3		7.99 H	213.448 554 86		+41.187 580 47 A	6.62	− 7.86	5.04	0.90	0.98	1.19	0.96	0.96	+19	+ 9	− 8	−23	−18	− 6	−14	+ 0	− 3	+ 2									2	−0.45
69514 H	14 13 48.83		+30 59 27.4		10.10 G	213.453 439 67		+30.990 931 40 *	17.21	79.26	−136.37	1.23	1.12	1.63	1.59	1.17	− 3	− 3	−28	−11	−12	− 2	−10	− 7	+17	−19									4	2.94
69515	14 13 49.07		−50 53 40.9		8.97 H	213.454 446 51		−50.894 703 36	2.09	−20.86	−18.03	0.76	0.79	1.20	0.90	1.05	−39	−28	+12	− 3	+ 9	−14	+11	−16	+ 8	−18									0	−0.18
69516 H	14 13 49.21		+17 20 22.8		9.87 H	213.455 060 49		+17.339 655 50 A	10.63	−28.14	−112.76	2.00	1.67	2.32	2.20	1.53	−31	−16	+ 2	+ 6	+ 8	− 8	+ 6	+11	− 1	−24									4	0.13
69517 H	14 13 49.47		+11 59 52.1		6.59 H	213.456 121 50		+11.997 813 97 A	6.63	−15.88	−28.50	0.79	0.65	1.00	0.83	0.69	−30	−18	− 9	+40	+ 8	−25	+ 3	+11	− 8	−46									2	−0.71
69518	14 13 51.45		+46 19 30.5		7.17 H	213.464 357 06		+46.325 144 44	26.22	−140.74	9.48	0.52	0.55	0.71	0.64	0.53	+ 6	+ 1	−10	− 6	−28	+ 8	−22	− 3	− 6	−20									0	2.11
69519	14 13 51.83		+59 52 33.8		9.09 H	213.465 976 96		+59.876 048 17	4.15	−26.66	12.30	0.69	0.77	0.85	0.75	0.93	+20	− 6	−23	−12	− 9	− 9	−11	− 4	+ 0	+ 8									0	−0.05
69520	14 13 52.51		+38 49 11.5		8.68 H	213.468 795 97		+38.819 856 94	2.46	−14.16	7.84	0.62	0.76	1.04	0.75	0.83	+18	+ 5	−13	+14	−13	+ 1	−14	+ 2	− 4	+ 6									0	0.16
69521	14 13 53.97		+48 14 41.2		9.30 H	213.474 891 02		+48.244 773 53	1.94	4.89	−12.73	0.90	0.91	1.18	0.90	0.89	+25	− 5	−11	−26	−15	−11	−15	−18	+ 4	+10									2	0.82
69522	14 13 54.17		+07 07 17.7		7.50 H	213.475 711 65		+07.121 588 08	6.49	19.03	−46.39	3.31	2.11	1.70	3.11	2.34	−17	+ 4	−23	−91	+28	−11	+19	−91	+ 9	−35									0	−0.41
69523 H	14 13 54.61		+29 06 19.6		6.82 H	213.477 524 97		+29.105 443 20 A	10.64	37.25	− 5.16	1.90	1.25	1.65	1.63	1.02	−29	− 1	−26	−25	− 4	+16	+ 1	−15	+ 6	−34									3	2.05
69524	14 13 55.23		−32 02 55.0		8.11 H	213.480 131 18		−32.048 620 46 A	12.86	29.86	−86.11	1.24	0.91	1.24	1.50	1.18	−12	− 5	+ 1	−16	−10	− 7	−15	−15	+ 1	−23									0	−0.39
69525	14 13 56.36		−38 05 46.5		9.05 3 T	213.484 845 57		−38.096 252 90	1.32	−14.51	−11.66	1.25	0.77	1.47	1.24	0.98	+14	−12	−18	−36	−16	−31	−30	−31	+27	− 6									0	0.10
69526	14 13 57.35		+30 13 00.3		8.03 H	213.488 944 86		+30.216 760 92	57.78	−398.02	175.39	0.89	0.72	1.05	1.13	0.80	− 2	−20	−15	+32	+ 3	− 7	+ 3	− 9	+ 0	+ 0									2	1.17
69527	14 13 58.81		+45 25 26.9		7.30 H	213.495 052 50		+45.424 148 47	5.31	− 9.50	−37.94	0.48	0.53	0.67	0.59	0.55	+15	− 4	− 8	−16	−16	+13	−17	+ 3	− 8	+ 8									0	0.28
69528	14 13 59.71		−20 12 28.7		8.09 G	213.498 804 28		−20.207 982 29	20.78	−219.90	−27.18	1.06	0.61	1.23	1.46	0.75	−20	−11	− 4	+49	+ 2	+28	+ 5	−20	+13	− 5									0	−0.04
69529	14 14 01.72		−00 13 56.5		10.32 G	213.507 158 00		−00.232 352 85	4.55	−35.33	−14.35	1.56	1.09	1.87	1.47	1.27	− 6	−37	−19	−22	−19	+ 5	−33	−37	+32	−28									2	−0.11
69530	14 14 02.49		−62 13 54.2		8.26 H	213.510 390 99		−62.231 708 64	6.74	−42.47	4.67	0.77	0.74	1.11	0.91	0.86	+ 8	−31	+ 2	−21	+15	+ 6	+ 1	+ 9	+11	+40									0	−1.12
69531	14 14 03.13		−01 47 27.3		9.16 H	213.513 026 28		−01.790 917 12	2.83	0.32	−13.11	1.22	0.80	1.47	1.58	0.97	−17	−16	−27	− 3	−14	+ 3	−15	−11	+18	−28									0	0.35
69532	14 14 03.50		−51 20 38.1		10.32 H	213.514 564 73		−51.343 913 58	8.84	28.97	−25.07	1.32	1.46	2.27	1.63	1.94	−49	−28	+13	− 1	+ 9	−20	+16	−25	+10	−14									0	1.18
69533	14 14 04.30		+37 20 39.1		8.96 H	213.517 930 60		+37.344 181 71	−3.94	18.30	1.28	1.72	2.17	3.25	1.90	2.27	+32	− 6	−22	−20	−13	− 3	−15	−23	+ 3	+20	1										
69534	14 14 04.75		+39 06 41.0		8.44 H	213.519 799 17		+39.111 389 85	3.53	24.84	−25.56	0.59	0.70	0.97	0.75	0.80	+15	+ 3	+ 1	+18	−12	+ 2	−12	+ 4	− 6	+ 4									0	2.02
*69535	14 14 05.36		+54 38 14.9		7.63 H	213.522 345 54		+54.637 468 30	16.08	14.13	− 1.41	0.59	0.64	0.70	0.67	0.77	+11	− 0	− 8	−12	− 1	+22	− 1	−20	+18	+10									1	0.15
*69536	14 14 05.33		+12 57 34.5		5.53 H	213.522 215 81		+12.959 576 67	30.06	−254.02	−54.60	0.58	0.44	0.74	0.69	0.51	−27	− 2	−11	+48	− 1	− 4	− 6	+24	−10	−41									0	−0.70
69537	14 14 05.49		−03 45 01.7		9.00 H	213.522 875 22		−03.750 477 07	2.83	− 3.75	5.79	1.20	0.72	1.28	1.40	0.86	− 6	−30	−11	+24	− 2	+ 3	− 5	− 6	+ 8	−12									0	−0.31
69538	14 14 07.13		+27 35 17.2		8.65 G	213.529 691 12		+27.588 100 38	3.16	16.25	−21.27	0.69	0.71	0.98	0.78	0.69	−21	+ 7	+ 6	−12	−12	+ 7	−10	− 7	−21	−34									0	2.28
69539	14 14 07.36		−53 55 55.1		7.23 2 H	213.530 647 67		−53.931 984 51	0.29	− 5.68	− 3.16	0.57	0.52	0.88	0.65	0.54	− 4	−31	− 9	+ 4	−20	+13	−20	+28	+22	+30									0	−1.31
69540	14 14 08.72		+07 52 52.0		7.79 H	213.536 352 30		+07.881 113 50	3.83	−22.87	2.43	1.01	0.77	1.33	1.25	0.80	− 9	− 9	−55	−34	−14	+30	+ 1	−37	+24	−21									0	0.74
69541 H	14 14 09.09		−08 31 06.5		8.38 H	213.537 869 82		−08.518 477 74 A	8.06	− 4.47	−17.11	3.49	1.95	2.18	2.87	1.63	− 2	−24	− 9	+34	+13	+ 9	+11	−25	+12	−22									1	−0.76
69542	14 14 10.08		−48 34 38.8		7.76 G	213.542 005 24		−48.577 455 79	3.40	−19.03	− 7.19	0.56	0.65	0.97	0.71	0.82	−30	−17	+ 6	+12	+ 7	−34	+14	−19	+ 5	−12									0	0.23
*69543	14 14 11.04		−64 12 03.5		8.51 H	213.545 988 51		−64.200 961 76	1.08	− 2.77	− 3.31	0.60	0.81	1.21	0.78	0.94	+45	− 9	−12	+15	+20	+ 1	+16	+10	+22	+56									1	2.94
*69544	14 14 11.00		+03 57 46.9		8.64 2 H	213.545 817 07		+03.963 024 23	0.90	−13.93	−10.33	0.87	0.65	1.10	0.90	0.72	− 9	−28	−28	−21	−18	+35	−12	−16	+ 0	−31									2	1.02
69545	14 14 11.05		−51 09 43.7		7.11 H	213.546 034 58		−51.162 129 88	6.72	−33.25	2.79	0.53	0.59	0.87	0.56	0.76	−46	−37	+17	− 2	+ 6	−19	+ 9	−16	+ 2	−22									0	−0.88
69546	14 14 11.52		+35 36 13.0		6.91 1 G	213.547 990 55		+35.603 622 76	3.33	−47.33	− 1.73	0.48	0.52	0.78	0.55	0.60	+10	+ 9	−22	−42	+ 7	−14	+10	− 7	+ 5	− 2									1	0.73
*69547	14 14 11.69		+32 43 40.5		9.32 H	213.548 722 24		+32.727 928 79	9.08	46.13	−59.52	0.73	0.85	1.25	1.05	0.94	−15	+ 1	−22	+11	+ 8	− 7	+ 5	+ 0	− 1	−16									0	1.28
*69548	14 14 11.66		−17 27 48.5		8.45 H	213.548 589 06		−17.463 482 11	4.96	−43.84	4.35	1.07	0.76	1.18	1.88	0.99	−15	− 9	+11	+22	−12	−30	+ 5	−11	−28	+29									0	1.26
69549	14 14 12.22		+18 05 08.0		7.97 H	213.550 898 87		+18.085 543 40	11.36	−89.40	−133.57	0.69	0.54	0.92	0.71	0.56	−18	−14	− 1	+30	− 5	− 9	− 3	+ 6	−23	−21									2	0.70
69550	14 14 12.65		−42 11 03.7		9.05 H	213.552 718 97		−42.184 349 91	3.25	−18.09	−11.94	1.02	0.82	1.32	1.12	1.11	−14	−29	− 5	− 3	− 1	− 8	−10	−17	+24	−26									0	−0.84
69551 H	14 14 12.83		+26 41 43.9		8.09 H	213.553 448 23		+26.695 537 61 A	8.29	−27.30	− 6.59	2.29	2.32	2.09	1.95	1.66	+ 3	+ 6	−14	−14	−15	−27	−17	+ 4	− 1	−24									1	−0.95
69552	14 14 14.71		−41 53 18.9		8.66 H	213.561 272 16		−41.888 590 30	8.19	− 7.31	−38.85	0.88	0.73	1.17	0.89	0.98	−20	−41	− 5	+ 3	+ 6	− 4	− 6	−22	+21	−35									0	0.05
69553	14 14 14.73		−39 13 42.7		9.13 H	213.561 383 19		−39.228 525 37	6.94	−21.46	11.15	0.96	0.74	1.29	0.98	0.93	− 5	−31	−22	− 7	+ 0	−11	−14	−31	+39	−13									0	0.57
69554	14 14 14.98		+38 19 58.3		10.79 H	213.562 435 21		+38.332 857 19	6.16	8.25	2.94	1.04	1.44	1.98	1.23	1.58	+20	− 8	−32	+ 2	− 6	− 7	− 9	−12	+10	+11									2	0.76
69555 H	14 14 16.40		+33 55 41.6		8.71 H	213.568 352 88		+33.928 227 03 A	14.82	−107.46	26.67	1.32	1.33	1.77	1.54	1.51	+ 8	− 2	−22	+14	+13	−20	+10	+15	+ 5	−13									2	0.20
69556	14 14 16.60		−07 03 21.8		8.19 H	213.569 168 25		−07.056 044 13	4.74	−24.28	−11.19	1.00	0.68	1.09	0.98	0.76	−27	−36	+ 3	+25	+ 3	+ 0	+ 5	−17	− 4	−27									0	0.20
69557	14 14 17.17		−47 50 24.4		8.97 2 H	213.571 524 38		−47.840 116 75	1.20	− 6.64	−16.37	0.86	0.79	1.24	1.21	1.03	− 8	−15	+ 6	+30	+12	−11	+19	− 9	+17	+19									0	1.97
69558	14 14 19.42		−23 07 57.0		8.52 H	213.580 924 57		−23.132 487 45	10.79	−14.04	−19.86	0.96	0.77	1.28	1.36	1.12	−14	−25	−35	+ 1	+ 7	−11	− 8	−40	+39	−31									0	0.77
69559	14 14 19.74		+14 59 04.8		8.98 H	213.582 253 55		+14.984 661 88	8.37	−78.75	11.25	0.94	0.81	1.27	1.14	0.99	−38	−22	− 9	+20	+22	−23	+11	−15	+ 7	−61									0	1.62
69560	14 14 20.11		−30 11 29.3		8.76 H	213.583 776 31		−30.191 471 56	3.50	−22.39	− 6.58	0.90	0.88	1.33	1.15	1.09	−24	− 6	−46	+ 0	+ 9	− 4	+11	−54	+46	−11									0	0.02
69561	14 14 20.29		+75 24 29.1		9.51 H	213.584 525 23		+75.408 091 55	8.22	95.17	35.57	0.77	0.78	0.85	0.76	0.83	+11	−10	−19	−11	− 6	−10	− 6	+18	+ 2	− 2									0	1.08
*69562	14 14 21.48		−15 21 20.2		10.39 3 H	213.589 509 88		−15.355 622 60	37.76	−199.90	−172.87	6.71	5.60	7.68	8.71	6.98	−31	+ 3	−35	+ 6	+19	− 1	+31	−56	+39	− 4	0										
*69563	14 14 21.28		+83 56 40.3		8.38 H	213.588 685 28		+83.944 518 49	2.98	0.66	10.20	0.62	0.70	0.73	0.63	0.92	− 2	− 4	−10	− 3	− 8	− 9	−13	+ 9	− 1	+ 1	0	2.90										
69564	14 14 21.49		−05 56 52.5		6.36 G	213.589 532 91		−05.947 920 42	24.09	−306.24	83.58	0.80	0.60	1.07	1.02	0.66	−26	−21	−30	+15	−16	+35	− 4	−17	+ 6	−24	0	1.48										
69565	14 14 21.52		+33 02 25.7		8.81 H	213.589 685 99		+33.040 472 35	4.30	10.38	8.93	0.75	0.82	1.20	1.03	0.92	− 5	− 7	−15	+11	+ 8	−12	+ 5	+ 3	+ 2	− 6	0	0.03										
69566	14 14 21.56		+35 32 30.0		8.56 H	213.589 814 11		+35.541 679 26	10.31	−46.31	−17.43	0.68	0.72	1.11	0.80	0.84	+ 4	+10	−25	−38	+12	−10	+16	+ 2	+ 8	− 8	0	−0.03										
69567	14 14 22.72		−00 36 04.3		9.27 H	213.594 680 36		−00.601 191 80	2.08	−10.18	6.05	1.08	0.85	1.39	1.12	0.93	−34	−31	− 8	−14	− 8	+ 1	−16	−31	+28	−44	0	0.19										
69568	14 14 23.51		−45 46 17.0		8.16 1 H	213.597 974 05		−45.771 379 80	0.73	− 3.45	− 2.67	0.95	0.66	1.11	1.03	0.83	+ 4	−39	−13	−19	+ 0	+ 4	− 8	−24	+21	− 7	2	0.04										
69569	14 14 23.57		+41 31 08.5		6.23 H	213.598 188 99		+41.519 015 46	22.40	−22.87	−106.25	0.42	0.48	0.63	0.48	0.52	+20	+ 8	− 7	−18	−15	+ 1	−13	+ 4	−10	+12	0	−0.14										
69570	14 14 24.92		−48 08 46.8		8.23 G	213.603 815 01		−48.146 340 43	27.62	−104.88	−120.66	0.67	0.69	1.12	0.91	0.85	−15	−29	+ 1	+27	+10	−33	+13	− 5	+ 8	+ 6	0	1.59										
69571	14 14 25.49		+06 32 40.3		9.99 G	213.606 215 49		+06.544 539 83	5.79	−25.09	4.50	1.22	1.43	1.77	1.35	1.53	−26	−20	−48	− 6	+ 5	+ 9	+ 2	−38	+16	−51	0	−0.41										
69572	14 14 27.47		−04 47 08.2		7.85 H	213.614 447 56		−04.785 623 40	1.31	−40.39	7.97	1.05	0.65	1.08	1.16	0.75	−26	−23	− 2	+51	− 2	+10	− 3	− 7	+ 6	−27	0	−0.46										
*69573	14 14 29.27		+45 56 33.6		11.59 H	213.621 971 59		+45.942 667 84	3.47	−22.45	−175.97	1.64	1.86	2.35	2.09	1.81	+ 9	+ 1	−21	− 8	−27	+15	−19	− 3	− 4	−18	0	2.58										
*69574	14 14 29.72		+29 05 05.9		8.55 H	213.623 846 15		+29.084 973 91	6.87	33.07	−11.05	0.84	0.68	1.07	1.00	0.77	−12	+19	−16	−30	− 9	−13	− 7	+19	−10	−21	0	2.21										
*69575	14 14 29.24		−75 45 43.0		7.85 H	213.621 833 98		−75.761 955 03	7.96	−22.53	−63.63	0.70	0.66	0.76	1.19	0.93	+23	−13	+10	−42	− 5	+ 7	−13	−16	+ 4	+52	0	1.59										
69576	14 14 30.40		−76 27 27.9		7.83 H	213.626 652 20		−76.457 738 49	4.58	−15.46	− 3.71	0.53	0.54	0.68	0.62	0.66	+11	− 3	+13	−14	+ 0	−11	+ 1	− 8	− 2	+27	1	0.84										
69577	14 14 30.53		−29 14 21.0		8.75 G	213.627 194 78		−29.239 173 47 A	4.57	−50.36	−25.45	3.05	2.20	3.24	2.83	2.61	−15	−22	−25	+ 1	+ 9	+11	+ 5	−45	+28	−20	2	−1.22										
69578	14 14 30.75		−61 47 57.9		12.10 H	213.628 124 74		−61.799 408 36 B	64.68	−14.12	−16.11	70.36	67.88	46.97	51.28	41.80	+23	−11	+25	+21	+33	+12	+28	+21	+ 6	+58	2	0.82										
69579 H	14 14 30.92		−29 14 03.9		8.56 H	213.628 835 83		−29.234 422 13 B	4.57	−50.36	−25.45	22.02	14.49	3.24	2.83	2.61	−46	− 6	− 2	+ 1	+ 8	+11	+ 8	− 7	+ 2	−25	2	−1.22										
69580	14 14 33.36		+39 16 35.1		7.38 H	213.638 999 86		+39.276 416 57	5.71	− 3.66	6.76	0.46	0.54	0.72	0.59	0.62	+13	+ 5	+ 3	+18	−15	+ 6	−14	+14	−12	+ 4	1	−0.37										
69581	14 14 33.48		−52 03 37.0		9.31 H	213.639 516 27		−52.060 281 10	2.02	− 7.21	2.28	0.90	0.92	1.38	1.31	1.27	−29	−12	+ 2	+14	+ 4	+ 0	+12	−15	+ 7	+ 6	1	−1.07										
69582	14 14 33.69		−61 47 56.3		9.49 2 G	213.640 370 53		−61.798 973 80 A	2.21	− 1.69	− 1.92	2.32	2.34	2.54	2.81	2.53	+21	−26	+12	+ 9	+25	+ 7	+16	+24	+ 2	+56	2	0.82										
69583 H	14 14 34.82		−42 40 45.5		8.82 H	213.645 067 28		−42.679 301 97 A	3.91	−19.72	− 6.47	1.77	1.39	2.04	1.73	1.71	− 3	−30	−18	+ 7	− 4	−13	−20	−11	+46	−10	1	0.68										
69584	14 14 35.00		−66 09 14.9		6.95 G	213.645 831 56		−66.154 141 27	1.69	− 6.55	− 4.32	0.41	0.54	0.74	0.49	0.66	+35	−14	− 5	− 3	+ 9	−11	+ 6	+10	+ 7	+43	0	−2.91										
69585	14 14 35.66		+13 58 30.9		6.45 H	213.648 596 50		+13.975 254 89	6.49	−94.50	80.58	0.69	0.55	0.96	0.90	0.65	−21	−15	−27	+36	+31	−40	+ 6	−16	+25	−57	2	1.75										
69586	14 14 36.94		−05 19 36.7		7.72 H	213.653 924 47		−05.326 856 71	3.85	−12.63	6.13	0.88	0.62	0.98	1.04	0.73	−22	−12	−18	+37	− 6	+18	− 4	+ 6	− 2	−30	0	2.25										
69587	14 14 38.07		+02 29 47.2		9.15 H	213.658 607 17		+02.496 458 18	4.79	−55.27	−11.69	1.26	0.78	1.39	1.41	0.90	− 3	−34	−20	−11	−24	+ 2	−25	+ 0	+12	−23	0	0.86										
69588	14 14 38.85		+01 47 50.0		8.70 H	213.661 854 43		+01.797 210 78	6.34	−20.30	− 8.69	1.04	0.74	1.19	1.06	0.78	−23	−22	+13	−21	−23	+ 3	−22	−10	− 1	−29	0	0.94										
69589	14 14 39.16		−68 31 26.5		8.29 H	213.663 168 69		−68.524 036 75	2.74	−10.79	− 3.07	0.56	0.66	0.92	0.60	0.70	+27	−15	+ 8	+14	+ 8	−21	+11	+12	− 9	+35	0	0.05										
69590	14 14 39.20		−26 24 17.6		8.40 H	213.663 328 77		−26.404 881 87	4.25	18.64	−19.88	0.83	0.77	1.16	0.98	0.98	−39	− 3	−35	−10	+14	− 2	+21	−64	+45	−22	0	0.79										
69591 H	14 14 39.67		−65 42 04.9		6.72 1

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
69501	9.258	0.018	9.105	0.022		0.139	0.027	T	0.15	0.03	L	9.1684	0.0026	0.021	75		9.14	9.21		C			1							
69502	10.319	0.025	8.566	0.011		1.490	0.023	T	2.53	0.04	O	8.3488	0.0035	0.029	121		8.29	8.40		U 2			1 S							S
69503	10.594	0.045	8.627	0.016		1.667	0.039	T	1.92	0.10	O	8.5252	0.0027	0.016	65		8.50	8.55					1							
69504	9.857	0.027	9.264	0.025		0.553	0.032	T	0.63	0.03	L	9.3008	0.0020	0.014	75		9.28	9.33					1							
69505	9.838	0.023	8.284	0.012		1.304	0.020	T	1.26	0.02	L	8.2866	0.0016	0.014	89		8.26	8.31		C			1							S
69506	10.964	0.043	9.702	0.024		1.075	0.038	T	1.04	0.03	L	9.7946	0.0025	0.024	133		9.76	9.84					1							
69507	9.967	0.014	8.154	0.007		1.509	0.012	T	1.54	0.02	L	8.1097	0.0014	0.018	229		8.07	8.13					1							S
69508	7.691	0.007	7.322	0.008		0.372	0.015	G	0.43	0.02	H	7.3666	0.0010	0.010	93		7.35	7.38		C			1							S
69509	7.394	0.006	7.481	0.008		−0.075	0.007	G	−0.05	0.01	H	7.4787	0.0012	0.010	137		7.46	7.50		C			1							S
69510	9.998	0.022	8.778	0.014		1.043	0.020	T	1.01	0.02	L	8.8347	0.0015	0.013	117		8.81	8.86		C			1							
69511	9.507	0.021	9.053	0.021		0.428	0.027	T	0.50	0.03	L	9.0903	0.0015	0.017	92		9.06	9.11		C			1							S
69512	9.926	0.030	7.963	0.012		1.628	0.026	T	1.65	0.03	L	7.8991	0.0012	0.016	71		7.87	7.92		R			1							S
69513	9.361	0.014	8.139	0.009	A	1.000	0.495	G	0.98	0.02	L *	8.1551	0.0012	0.011	139	*	8.13	8.17		D	14138+4111	I 1	2 C A	AB	228	4.055	0.023	3.13	0.09	S
69514	11.237	0.070	10.260	0.048	*	1.030	0.015	G	1.08	0.02	I *	10.2342	0.0040	0.027	93	*	10.18	10.28			14138+3059	I 1	2 C S A	AB	97	0.182	0.012	0.58	0.36	
69515	10.738	0.035	9.089	0.015		1.379	0.030	T	1.35	0.04	L	9.1157	0.0016	0.018	149		9.09	9.14					1							
69516	10.807	0.051	9.941	0.037	*	0.774	0.047	T	0.81	0.03	L *	10.0174	0.0022	0.022	109	*	9.97	10.06		D	14138+1720	H 1	2 C A	AB	0	0.757	0.025	2.63	0.11	
69517	7.836	0.009	6.663	0.005	*	1.006	0.008	T	0.98	0.01	L *	6.7559	0.0008	0.007	139	*	6.74	6.77		D	14138+1200	I 1	2 C A	AB	255	2.203	0.006	2.27	0.02	S
69518	7.806	0.007	7.239	0.006		0.530	0.008	T	0.60	0.01	L	7.2877	0.0010	0.010	132		7.27	7.31		C			1							S
69519	9.657	0.018	9.148	0.017		0.478	0.022	T	0.55	0.02	L	9.1934	0.0019	0.018	125		9.16	9.22					1							S
69520	9.875	0.018	8.756	0.012		0.964	0.017	T	0.95	0.01	L	8.8399	0.0017	0.020	179		8.81	8.88					1							
69521	10.646	0.042	9.392	0.023		1.069	0.037	T	1.03	0.03	L	9.4707	0.0028	0.022	110		9.44	9.51					1							
69522	8.978	0.016	7.622	0.009		1.149	0.014	T	1.11	0.01	L	7.6675	0.0014	0.011	72		7.65	7.69		C			1							S
69523	7.256	0.007	6.888	0.006	*	0.349	0.008	T	0.41	0.01	L *	6.8995	0.0009	0.010	114	*	6.88	6.91		D	14139+2906	I 1	2 C A	AB	90	0.674	0.003	0.32	0.01	S
69524	8.707	0.014	8.165	0.013	A	0.515	0.014	T	0.59	0.01	L	8.2261	0.0121	0.016	78	A	8.20	8.25			14139−3203	I 1	2 C D	AB	200	17.367	0.033	3.03	0.18	S D
69525	10.506	0.036	9.174	0.020		1.130	0.032	T	1.09	0.03	L	9.2302	0.0350	0.289	82		8.88	9.65		U 2			1 S							
69526	9.386	0.017	8.141	0.011		1.064	0.004	G	1.12	0.01	I	8.1688	0.0022	0.015	83		8.14	8.20					1							S
69527	8.535	0.009	7.396	0.006		0.979	0.008	T	0.96	0.01	L	7.4604	0.0009	0.010	138		7.44	7.48					1 G							S
69528	8.764	0.013	8.167	0.012		0.561	0.012	G	0.63	0.01	H	8.2032	0.0009	0.007	66		8.19	8.22					1 G							S
69529	10.817	0.047	10.309	0.047		0.500	0.020	G	0.57	0.02	H	10.4436	0.0025	0.030	112		10.39	10.50					1							
69530	9.684	0.018	8.372	0.011		1.114	0.017	T	1.08	0.02	L	8.4230	0.0020	0.018	137		8.40	8.45					1							
69531	10.529	0.044	9.244	0.026		1.093	0.040	T	1.05	0.04	L	9.3242	0.0025	0.015	68		9.29	9.35					1							
69532	11.097	0.048	10.441	0.043		0.600	0.048	T	0.67	0.04	L	10.4456	0.0025	0.036	145		10.37	10.49					1							G
69533	10.079	0.016	9.028	0.011		0.912	0.015	T	0.91	0.01	L	9.1179	0.0021	0.026	209		9.08	9.16					1 X							
69534	9.721	0.015	8.547	0.010		1.007	0.014	T	0.98	0.01	L	8.6033	0.0019	0.017	157		8.57	8.63					1							
69535	8.221	0.008	7.686	0.007		0.502	0.010	T	0.57	0.01	L	7.7417	0.0010	0.012	131		7.72	7.77		C			1 G							S
69536	6.188	0.003	5.593	0.003		0.537	0.003	G	0.61	0.00	H	5.6471	0.0006	0.006	139		5.64	5.66		C			1							S
69537	10.240	0.037	9.109	0.024		0.973	0.034	T	0.96	0.03	L	9.1663	0.0020	0.018	63		9.13	9.20		C			1							
69538	10.320	0.027	8.789	0.013		1.230	0.015	G	1.19	0.01	H	8.8430	0.0015	0.015	128		8.81	8.87					1							
69539	11.486	0.077	7.599	0.006		3.028	0.056	T	3.11	0.06	L	7.1038	0.0079	0.074	162		7.01	7.37		U 2			1 G							S
69540	9.761	0.023	7.958	0.011		1.501	0.020	T	1.53	0.03	L	7.9178	0.0014	0.011	80		7.90	7.94		C			1							S
69541	8.955	0.018	8.448	0.017	*	0.476	0.023	T	0.55	0.02	L *	8.4818	0.0011	0.009	67	*	8.47	8.50		D	14141−0831	I 1	2 C A	AB	56	0.431	0.005	0.26	0.02	S
69542	9.373	0.014	7.897	0.008		1.237	0.002	G	1.20	0.00	H	7.9384	0.0013	0.012	130		7.92	7.95		C			1							
69543	8.632	0.007	8.575	0.009		0.230	0.015	G	0.26	0.02	H	8.5775	0.0016	0.022	235		8.54	8.61			14142−6412	I 1	1							
69544	10.694	0.040	8.864	0.016		1.522	0.034	T	1.56	0.05	L	8.7609	0.0030	0.023	95		8.73	8.80		U 2			1 S							
69545	8.364	0.008	7.221	0.006		0.983	0.008	T	0.96	0.01	L	7.2708	0.0010	0.010	164		7.25	7.29					1							S
69546	9.005	0.009	7.101	0.004		1.600	0.015	G	1.61	0.09	H	7.0198	0.0011	0.013	192		7.00	7.04		M			1							S
69547	10.021	0.024	9.382	0.021		0.594	0.028	T	0.66	0.03	L	9.4500	0.0021	0.022	129		9.41	9.49					1							
69548	9.710	0.030	8.581	0.020		0.972	0.028	T	0.96	0.02	L	8.6097	0.0019	0.014	56		8.59	8.63		C			1							
69549	8.690	0.012	8.040	0.010		0.603	0.013	T	0.67	0.01	L	8.1004	0.0016	0.012	96		8.08	8.13					1							S
69550	9.452	0.017	9.060	0.018		0.383	0.021	T	0.45	0.02	L	9.1333	0.0017	0.016	89		9.10	9.16		C			1							
69551	8.769	0.013	8.174	0.012	*	0.555	0.016	T	0.63	0.01	L *	8.2078	0.0015	0.013	93	*	8.18	8.24		D	14142+2642	I 1	2 C A	AB	350	0.462	0.003	0.33	0.02	S
69552	9.626	0.020	8.754	0.016		0.779	0.019	T	0.81	0.01	L	8.8052	0.0019	0.012	85		8.78	8.83		C			1							
69553	9.754	0.021	9.164	0.020		0.552	0.021	T	0.62	0.02	L	9.2516	0.0014	0.015	80		9.23	9.28					1							
69554	11.654	0.069	10.835	0.053		0.723	0.066	T	0.77	0.05	L	10.9233	0.0046	0.047	174		10.83	11.00					1							G
69555	9.398	0.017	8.692	0.015	*	0.650	0.019	T	0.71	0.02	L *	8.8496	0.0020	0.020	147	*	8.82	8.89		D	14143+3356	I 1	2 C A	AB	330	5.470	0.006	1.52	0.03	S
69556	9.556	0.025	8.312	0.015		1.061	0.023	T	1.03	0.02	L	8.3538	0.0014	0.014	79		8.33	8.37					1							S
69557	10.329	0.036	9.087	0.021		1.060	0.033	T	1.03	0.03	L	9.1331	0.0057	0.052	96		9.07	9.23		U 2			1							
69558	9.030	0.016	8.550	0.015		0.464	0.017	T	0.53	0.02	L	8.6248	0.0023	0.020	78		8.60	8.66					1							S
69559	9.573	0.018	9.027	0.017		0.512	0.022	T	0.58	0.02	L	9.0931	0.0023	0.017	102		9.07	9.12		C			1							S
69560	8.947	0.012	8.785	0.015		0.156	0.018	T	0.17	0.02	L	8.8169	0.0018	0.021	104		8.78	8.85					1							S
69561	10.133	0.024	9.562	0.023		0.534	0.030	T	0.61	0.03	L	9.6240	0.0025	0.022	129		9.56	9.66					1							
69562	12.160	0.189	10.519	0.067		1.270	0.010	G	1.44	0.02	I	10.5003	0.0186	0.454	74		10.38	12.06		U 2	14143−1521	I 1	1 X S							G
69563	10.352	0.027	8.531	0.012		1.515	0.023	T	1.55	0.03	L	8.5019	0.0016	0.017	116		8.48	8.53		C			1							
69564	7.079	0.007	6.434	0.006		0.593	0.007	G	0.66	0.01	H	6.4880	0.0007	0.005	62		6.48	6.50					1							S
69565	9.976	0.025	8.915	0.017		0.920	0.015	G	0.92	0.01	H	8.9673	0.0021	0.022	122		8.93	9.01					1							
69566	9.161	0.010	8.615	0.009		0.512	0.012	T	0.58	0.01	L	8.6762	0.0016	0.021	188		8.64	8.71					1							S
69567	10.472	0.037	9.319	0.023		0.990	0.034	T	0.97	0.03	L	9.4307	0.0014	0.017	120		9.39	9.46		C			1							
69568	10.380	0.033	8.360	0.012		1.710	0.029	T	2.12	0.07	O	8.2278	0.0030	0.024	78		8.20	8.26		U			1 S							
69569	7.603	0.006	6.347	0.003		1.071	0.005	T	1.04	0.00	L	6.3963	0.0009	0.007	136		6.39	6.41		C			1							S
69570	9.041	0.013	8.288	0.010		0.670	0.002	G	0.73	0.00	H	8.3611	0.0015	0.015	118		8.34	8.39		C			1							
69571	10.572	0.043	10.096	0.044		0.530	0.020	G	0.60	0.02	H	10.1002	0.0027	0.022	83		10.04	10.14		C			1							
69572	9.540	0.024	8.003	0.013		1.291	0.021	T	1.25	0.02	L	8.0110	0.0014	0.010	71		7.99	8.03		C			1							S
69573											T	11.7313	0.0055	0.056	120		11.62	11.83					1 S							G
69574	9.021	0.014	8.601	0.014		0.422	0.015	G	0.49	0.02	H	8.6488	0.0023	0.018	108		8.61	8.68					1 S							S
69575	8.160	0.009	7.885	0.010		0.262	0.013	T	0.29	0.02	L	7.9228	0.0016	0.016	133		7.90	7.96			14145−7546	I 1	1 G							S
69576	7.824	0.008	7.829	0.010		0.000	0.012	T	0.02	0.01	L	7.8413	0.0012	0.011	142		7.82	7.86		C			1							S
69577	9.227	0.017	8.780	0.017	A	0.423	0.020	G	0.49	0.02	H	8.6584	0.0181	0.111	78	−	8.47	8.83		D	14145−2914	I 2	1 C P C							G
69578											T	11.7263	0.2682			B				D	14146−6148	I 2	1 C I B							
69579	9.855	0.026	9.217	0.023	*						T	8.7022	0.0436	0.220	80	−	8.43	9.18		D	14145−2914	I 2	2 C F C	BC	253	0.590	0.041	0.66	0.21	G
69580	8.797	0.009	7.496	0.006		1.080	0.015	G	1.04	0.01	H	7.5463	0.0011	0.010	160		7.53	7.57		C			1							S
69581	11.223	0.072	9.506	0.024		1.433	0.060	T	1.42	0.10	L	9.4457	0.0026	0.022	127		9.41	9.48					1							
69582	9.775	0.025	9.517	0.030	A	0.495	0.020	G	0.57	0.02	H	9.5037	0.0429	0.074	135	A	9.42	9.67	1.21	P 1 A	14146−6148	I 2	1 C P B							G
69583	10.207	0.027	8.945	0.017	A	0.500	0.495	G	0.96	0.06	L *	8.9858	0.0024	0.020	86	*	8.94	9.02			14146−4241	I 1	2 C D	AB	33	4.722	0.089	4.00	0.62	D
69584	6.900	0.004	6.943	0.004		−0.022	0.002	G	0.00	0.00	H	6.9429	0.0008	0.012	201		6.92	6.96			14146−6609	I 1	1							S
69585	8.214	0.010	6.604	0.005		1.348	0.009	T	1.31	0.01	L	6.5993	0.0007	0.008	98		6.59	6.62		C			1							S
69586	9.115	0.020	7.831	0.012		1.093	0.018	T	1.05	0.02	L	7.8914	0.0014	0.012	69		7.88	7.91		C			1							
69587	9.601	0.020	9.184	0.020		0.394	0.026	T	0.46	0.03	L	9.2431	0.0028	0.019	94		9.21	9.27					1							S
69588	9.684	0.024	8.775	0.018		0.780	0.015	G	0.82	0.01	H	8.8528	0.0018	0.017	100		8.83	8.88		C			1							S
69589	8.317	0.008	8.298	0.010		0.018	0.011	T	0.04	0.01	L	8.3054	0.0014	0.015	154		8.28	8.33		C			1							
69590	8.818	0.011	8.448	0.011		0.351	0.014	T	0.41	0.01	L	8.4849	0.0013	0.013	111		8.46	8.51		C			1							S
69591	6.700	0.004	6.758	0.004	A	−0.024	0.018	G	−0.03	0.01	L *	6.7108	0.0010	0.013	219	*	6.69	6.73		M	14147−6542	I 1	2 C A	AB	283	1.968	0.008	3.00	0.04	S
69592	6.614	0.005	6.404	0.005		0.194	0.007	T	0.21	0.01	L	6.4380	0.0010	0.007	82		6.42	6.45					1							S
69593	9.790	0.021	9.223	0.020		0.530	0.026	T	0.60	0.03	L	9.2962	0.0024	0.020	89		9.27	9.33		C			1							
69594	10.288	0.033	8.472	0.014		1.480	0.015	G	1.50	0.02	H	8.4275	0.0012	0.013	75		8.41	8.45		C			1							S
69595	9.614	0.017	8.647	0.013		0.837	0.017	T	0.86	0.01	L	8.7078	0.0020	0.020	108		8.68	8.74			14147+1601	I 1	1							S
69596	8.329	0.011	7.792	0.009		0.519	0.015	G	0.59	0.02	H	7.8378	0.0015	0.012	101		7.82	7.87		C			1							S
69597	9.824	0.025	9.346	0.025	*	0.463	0.027	T	0.53	0.03	L *	9.3183	0.0018	0.017	74	*	9.28	9.35		D	14147−4412	H 1	2 C A	AB	39	0.243	0.031	1.95	0.35	
69598	6.788	0.004	5.715	0.003		0.929	0.001	G	0.92	0.00	H	5.7745	0.0008	0.005	89		5.76	5.78		C			1							S
69599	7.683	0.009	7.291	0.008		0.380	0.015	G	0.44	0.02	H	7.3371	0.0010	0.009	91		7.32	7.35		D			1							S
69600	9.932	0.023	9.702	0.027		0.310	0.010	G	0.36	0.01	H	9.7411	0.0031	0.024	105		9.70	9.80					1							

Number HIP 1 2	Descriptor: epoch J1991.25 RA h m s 3	Dec ±° ′ ″ 4	V mag 5	6	7	Position: epoch J1991.25 α (ICRS) deg 8	δ deg 9	10	Par. π mas 11	Proper Motion $\mu_{\alpha*}$ mas/yr 12	μ_δ 13	Standard Errors α* mas 14	δ 15	π mas 16	$\mu_{\alpha*}$ mas/yr 17	μ_δ 18	Astrometric Correlations (%) 19	20	21	22	23	24	25	26	27	28	Soln F1 % 29	F2 30
69601	14 14 44.60	+61 21 57.2	10.00		G	213.685 829 60	+61.365 890 23		17.52	60.46	−182.37	0.85	0.86	1.00	0.96	1.00	+16	−27	−24	−35	−11	+24	− 3	−11	+ 0	− 3	1	−1.79
69602	14 14 44.69	−31 47 10.5	8.11		H	213.686 221 48	−31.786 240 20		6.45	−15.26	−27.88	0.92	0.63	1.08	1.27	0.91	− 5	− 7	−10	− 4	− 8	− 1	− 6	−34	+32	+ 9	0	1.64
69603	14 14 44.80	+18 08 26.9	8.78		H	213.686 669 87	+18.140 798 50		2.30	−10.13	16.07	0.81	0.77	1.10	0.88	0.79	−28	−13	− 8	+36	− 6	−11	− 5	+27	−18	−29	0	0.44
69604	14 14 45.30	−44 43 50.3	8.66		H	213.688 746 21	−44.730 640 19		5.12	−31.83	−33.07	0.99	0.80	1.25	1.01	0.97	−11	−22	+10	−15	−10	−17	−10	−18	+ 1	−18	0	0.46
69605	14 14 45.51	−38 22 52.2	8.69		H	213.689 642 28	−38.381 163 92		5.01	−20.40	−17.27	1.05	0.69	1.26	1.13	0.85	+ 6	−19	−18	−23	−13	−18	−23	−25	+24	− 3	0	1.46
69606	14 14 45.95	−45 39 34.5	8.64		H	213.691 477 59	−45.659 587 70	A	0.55	−2.31	−8.18	1.77	1.20	1.70	1.95	1.38	+12	−20	− 5	−35	−13	+ 6	−16	−21	+11	+ 6	0	0.98
69607	14 14 46.06	+26 31 26.2	8.49		H	213.691 935 32	+26.523 936 84		5.56	17.56	−21.25	0.82	0.64	1.04	0.88	0.68	+ 2	+ 6	−16	−27	− 7	−24	− 8	− 2	−23	−14	0	0.90
69608	14 14 46.18	−18 25 49.4	8.30		H	213.692 401 34	−18.430 379 29		5.01	−57.69	−10.02	1.06	0.65	1.12	1.41	0.78	−10	−32	− 7	+ 1	−20	+ 8	−16	−20	+14	+11	0	0.19
69609	14 14 46.40	−50 59 02.3	10.51		H	213.693 323 50	−50.983 983 93		0.08	−50.88	−6.51	1.36	1.40	2.24	1.75	1.99	−41	−25	+13	+ 0	+ 6	−18	+10	−15	+ 6	−19	0	1.15
69610	14 14 47.84	−68 43 54.1	7.86		G	213.699 347 03	−68.731 707 72		8.99	4.74	−28.92	0.55	0.61	0.84	0.57	0.65	+23	−23	− 5	+ 7	+ 7	−15	+ 4	+17	+ 5	+28	0	−0.15
69611	14 14 48.59	−55 57 33.7	8.31		G	213.702 445 10	−55.959 368 86		8.03	−62.27	−23.89	0.67	0.59	0.88	0.95	0.72	+ 4	− 2	+ 6	+37	+13	+12	+15	+22	+22	+32	0	0.26
69612 H	14 14 50.86	+10 06 03.6	5.29		G	213.711 927 15	+10.101 009 70	A	12.79	−22.50	−164.31	0.74	0.54	0.87	0.80	0.54	−36	−10	− 3	−11	+10	−18	+16	+12	+ 3	−62	1	0.19
69613	14 14 51.93	−21 03 53.1	7.47		G	213.716 387 27	−21.064 760 22		1.43	−25.87	1.76	0.84	0.63	0.96	1.06	0.76	−16	−21	−20	+13	− 7	+22	− 1	−17	+ 2	−14	3	0.46
69614	14 14 53.05	+03 20 09.4	6.41	2	H	213.721 033 15	+03.335 938 02		4.01	−49.98	−24.78	0.70	0.50	0.85	0.79	0.56	−12	− 8	−24	+ 7	−16	+33	−12	−10	+ 1	−23	2	0.99
69615	14 14 54.75	−18 37 08.4	9.53		H	213.728 131 91	−18.618 988 03		−2.29	−10.78	4.68	1.41	0.88	1.58	1.69	1.06	−25	−33	− 3	+10	−17	+13	−18	− 9	+13	−18	2	1.37
69616	14 14 54.77	+47 35 40.5	10.51		H	213.728 199 27	+47.594 584 48		5.06	−28.15	15.88	1.02	1.12	1.44	1.10	1.12	+22	− 2	− 9	−14	− 3	−13	− 4	− 9	+ 5	+ 6	0	0.08
69617	14 14 56.81	−61 14 18.4	9.54	2	G	213.736 726 86	−61.238 439 76		2.33	−1.37	−1.64	2.36	2.16	3.31	2.51	2.41	+14	−28	+ 6	− 5	+12	− 6	+13	− 4	− 7	+47	0	
69618	14 14 57.16	−57 05 09.9	5.03	1	H	213.738 182 95	−57.086 075 39		6.71	−23.97	−20.97	0.44	0.40	0.59	0.43	0.44	+ 1	−42	+ 1	+25	+ 4	+ 0	+ 1	+24	+ 8	+13	0	−0.04
69619	14 14 58.64	−46 17 19.3	9.99		H	213.744 313 39	−46.288 693 26		0.59	−7.54	1.01	1.39	0.97	1.75	1.20	1.30	+ 7	−55	−18	+ 8	+ 5	− 5	−13	− 8	+29	−17	2	0.00
69620	14 14 59.18	+47 56 03.9	8.72		H	213.746 585 61	+47.934 413 53		2.99	−21.48	33.47	0.68	0.70	0.91	0.72	0.71	+23	−13	− 4	−22	−12	− 7	−11	−15	+ 2	+ 9	1	0.95
69621	14 14 59.22	+01 53 47.7	9.22	1	H	213.746 745 81	+01.896 577 95		4.01	−5.49	1.61	1.23	0.84	1.35	1.33	0.99	− 6	−32	−18	−20	−33	+11	−29	+ 9	+ 2	−26	2	2.03
69622	14 14 59.55	+25 28 28.8	9.67		G	213.748 122 03	+25.474 671 08		−0.29	−6.44	4.12	1.31	0.92	1.48	1.36	0.99	− 3	− 4	− 6	−24	−14	+ 7	− 7	+ 6	− 9	−28	0	−1.33
69623	14 14 01.28	−29 16 54.7	6.10		G	213.755 324 77	−29.281 868 54		4.69	−37.72	−14.42	0.69	0.58	1.01	0.80	0.79	−23	−32	−27	+ 2	+ 9	− 5	− 4	−45	+42	−26	0	0.46
69624	14 15 01.31	+44 21 31.1	8.13		H	213.755 458 73	+44.358 650 03		2.48	−19.81	29.16	0.63	0.64	0.87	0.75	0.61	+21	− 3	−17	− 3	−23	− 5	+20	+ 2	+ 4	+ 2	2	1.33
69625	14 15 01.48	−40 54 02.3	6.96		H	213.756 162 06	−40.900 632 80		2.66	−10.50	−2.83	0.68	0.53	0.87	0.79	0.72	−19	− 7	−12	+29	+ 7	+11	+ 6	−30	+32	−17	0	−1.25
69626	14 15 01.58	+23 41 10.0	6.78	2	H	213.756 569 96	+23.686 113 83		6.86	−21.72	−20.40	0.61	0.49	0.75	0.63	0.51	−19	− 5	− 2	+ 0	−20	+ 2	−13	+26	−14	−40	0	−0.49
∗69627	14 15 01.68	+61 18 04.1	8.94	2	H	213.756 997 87	+61.301 129 69		3.62	12.90	−4.21	0.72	0.82	0.93	0.78	0.83	+14	−22	−37	−11	− 6	+12	− 1	+ 1	+ 0	+ 0	0	−1.29
∗69628 H	14 15 01.61	−61 42 24.4	6.68		G	213.756 712 07	−61.706 768 22	A	1.41	−4.60	−2.95	0.75	0.72	0.96	0.84	0.77	+32	−15	+14	+20	+33	+18	+31	+22	+14	+78	3	−0.21
69629	14 15 02.14	+24 40 19.9	10.63		H	213.758 898 47	+24.672 205 07		4.05	4.64	−34.42	1.41	1.11	1.70	1.34	1.17	−22	+ 8	−14	−21	−26	+11	−18	+18	−22	−49	0	1.59
69630	14 15 02.80	−39 11 19.5	8.81		H	213.761 679 67	−39.188 749 33		1.72	−6.21	−11.40	0.99	0.84	1.39	1.03	1.03	− 8	−27	−22	− 4	+ 4	−16	−10	−23	+38	−15	0	0.41
69631	14 15 03.25	+02 47 48.0	8.15		G	213.763 532 68	+02.796 662 27		6.20	−7.59	−48.90	0.94	0.61	1.06	1.02	0.68	− 8	−15	−12	−29	−20	+22	−17	−15	− 6	−22	0	−0.44
69632	14 15 04.03	+00 57 41.0	9.91		G	213.766 781 31	+00.961 379 12		6.17	−86.92	−60.28	1.46	1.13	1.76	1.69	1.22	−12	+ 2	+18	−32	−21	−23	−16	−35	+11	−23	0	0.62
69633	14 15 05.27	−61 39 11.2	8.51	2	H	213.771 973 94	−61.653 117 64		−2.31	−0.74	1.51	0.85	0.82	1.19	1.13	0.94	+20	−21	− 4	+ 6	+29	− 2	+21	+14	+ 0	+62	0	−1.12
69634	14 15 06.34	+73 20 01.2	8.78		H	213.776 430 59	+73.333 661 54		3.11	4.91	4.48	0.63	0.64	0.70	0.79	0.73	−16	− 2	− 4	− 4	− 7	+ 4	− 5	+ 1	−14	−33	0	−0.16
∗69635	14 15 07.53	+09 26 28.9	8.27		H	213.781 358 37	+09.441 357 23		1.81	−22.57	23.41	0.99	0.68	1.21	1.14	0.76	−40	− 8	−11	− 9	+ 8	−22	+10	+12	+12	−59	0	1.50
∗69636	14 15 07.52	−27 13 48.1	8.99		H	213.781 343 19	−27.230 019 75		2.04	−30.63	4.17	1.14	1.02	1.61	1.40	1.35	−34	−13	−29	− 6	+ 8	+19	+14	−60	+39	−16	0	−0.77
69637	14 15 08.26	−24 12 35.2	8.94		H	213.784 420 75	−24.209 768 39		3.12	−15.03	−5.19	1.15	0.88	1.50	1.40	1.41	−25	−40	−17	+17	+26	−19	− 6	−51	+39	−56	0	2.67
69638	14 15 08.99	−63 54 00.6	8.25		H	213.787 452 07	−63.900 168 06		4.47	−22.56	−36.74	0.62	0.81	1.13	0.77	0.88	+43	+ 4	+16	+41	+31	+ 8	+32	+25	+21	+55	0	0.12
69639	14 15 09.17	−22 33 51.9	8.23		H	213.788 198 41	−22.564 425 81		4.93	−13.63	−19.41	0.92	0.70	1.10	1.28	0.89	−31	− 5	−18	+19	+ 5	+14	+ 8	−34	+ 8	−28	0	−2.06
69640	14 15 11.78	−64 44 25.4	9.97		H	213.799 081 56	−64.740 380 79		4.59	−0.74	−1.52	0.84	1.11	1.63	1.12	1.40	+49	+ 1	− 1	− 8	+ 6	+ 7	+ 4	− 3	+14	+67	0	0.97
∗69641 H	14 15 12.14	+46 58 26.9	8.48		H	213.800 576 98	+46.974 125 09	A	6.78	−18.31	−28.31	1.11	1.16	1.37	1.27	1.08	+ 2	− 8	−14	−19	−11	+15	− 3	+ 2	+ 0	−34	1	0.32
∗69642	14 15 11.99	−71 14 01.2	8.74		H	213.799 974 76	−71.233 655 08		2.79	−12.66	−4.20	0.66	0.77	0.97	0.85	0.93	+17	−12	+21	+26	+ 8	−12	+12	+22	+ 0	+41	0	−0.68
69643 H	14 15 14.20	−67 39 29.9	7.59		G	213.809 186 74	−67.658 292 62	A	17.95	−26.02	−23.46	0.75	0.85	1.07	0.87	0.96	+35	+ 3	+12	+ 4	+ 4	− 3	+ 1	+12	− 2	+49	1	−0.70
69644	14 15 14.43	−37 06 01.1	10.67		H	213.810 140 46	−37.100 318 58		0.88	−15.37	−1.33	1.65	1.17	2.02	2.01	1.52	−18	−19	−11	+19	−14	+20	−15	+ 0	+ 2	−31	0	−2.08
69645	14 15 15.19	−42 48 17.1	9.41		G	213.813 306 86	−42.804 739 39		11.00	−272.48	35.71	1.22	0.90	1.56	1.50	1.15	−10	−21	+ 8	+15	− 2	−16	− 2	−25	+12	− 6	0	−0.30
69646	14 15 15.70	−40 06 00.7	7.53		H	213.815 421 09	−40.100 207 22		11.88	−79.29	−16.11	0.64	0.55	0.92	0.60	0.70	−16	−38	−18	+11	+ 9	−11	− 9	−26	+41	−30	0	−0.45
69647	14 15 15.97	+51 04 34.9	8.33		H	213.816 531 08	+51.076 373 77		2.49	−10.45	−8.11	0.62	0.70	0.79	0.75	0.77	+21	−10	−12	+11	−14	+ 0	−15	−13	− 1	+ 8	0	0.00
69648	14 15 16.28	−58 46 49.3	8.31		H	213.817 843 02	−58.780 362 86		2.15	−3.65	−0.72	0.77	0.84	1.11	0.92	1.08	+ 1	−25	+ 4	+20	+ 7	−19	+ 8	+31	+ 2	− 1	0	0.06
69649	14 15 16.80	−40 17 52.9	9.00		G	213.820 019 58	−40.298 033 88		2.43	−13.00	0.20	0.88	0.87	1.36	0.91	1.08	−14	−35	−27	+16	+ 3	− 9	−15	−23	+41	−35	0	−0.34
69650	14 15 17.01	+52 32 09.4	6.56		H	213.820 886 84	+52.535 931 88		10.83	−17.59	−2.66	0.48	0.53	0.63	0.59	0.61	+17	− 9	−17	− 3	− 8	−12	−14	−22	+15	− 7	0	1.65
69651	14 15 17.43	−03 27 01.6	9.24		G	213.822 623 49	−03.450 457 29		9.01	103.71	−127.07	1.38	0.84	1.44	1.61	0.99	−14	−40	−13	+29	+ 1	− 5	+ 1	−12	− 1	−17	2	3.02
69652	14 15 17.61	−48 43 50.8	9.45		H	213.823 356 41	−48.730 780 71		2.22	−20.67	−8.65	0.84	0.91	1.36	0.99	1.11	−17	−18	+ 1	+ 6	+ 3	−35	+ 3	−13	+ 9	−11	0	−0.17
69653 H	14 15 19.51	+03 07 52.4	7.03		G	213.831 281 26	+03.131 235 45	A	23.46	−203.70	60.96	2.01	1.47	1.93	1.74	1.22	−32	+12	−24	−42	+21	− 1	+24	−46	+23	−43	3	0.57
69654	14 15 21.14	−70 25 01.4	8.52		H	213.838 065 77	−70.417 048 57		1.94	−6.08	−5.58	0.64	0.79	1.02	0.80	0.98	+14	−12	+17	− 1	+13	−13	+ 9	+32	+ 9	+31	0	−1.38
69655	14 15 21.33	−53 30 35.7	6.40	1	H	213.838 862 09	−53.509 929 81		3.33	−18.38	−4.44	0.48	0.48	0.72	0.47	0.51	−22	−41	+ 7	+23	−14	−10	−21	+49	+ 3	+ 4	0	1.24
69656	14 15 22.59	−33 14 19.2	9.65		H	213.844 112 33	−33.238 657 22		2.90	−27.03	−1.65	1.42	0.94	1.78	2.21	1.35	−23	+ 9	−23	+36	−23	+42	−11	− 4	+ 4	− 9	2	1.60
69657	14 15 23.05	−12 14 33.0	7.99		G	213.846 042 09	−12.242 501 06		6.00	−31.69	−8.35	1.04	0.67	1.18	1.18	0.86	− 4	−43	−23	+20	+ 4	− 3	− 8	−21	+30	−10	0	−1.14
69658	14 15 24.11	−18 12 02.4	5.53		H	213.850 470 98	−18.200 661 97		12.49	−45.46	−11.45	0.81	0.53	0.85	1.07	0.62	−12	−21	− 5	+ 5	−13	− 2	− 5	−13	− 9	+15	0	0.55
69659	14 15 24.80	−33 50 49.4	8.96		H	213.853 353 54	−33.847 050 86		7.07	−28.42	−19.67	1.04	0.81	1.29	1.35	1.10	−25	− 8	−17	+32	−14	+27	− 9	+10	+ 3	−21	0	0.46
69660	14 15 24.81	−37 57 31.9	8.76		G	213.853 360 30	−37.958 874 11		13.01	−155.85	−117.44	1.13	0.77	1.31	1.12	0.94	+ 5	− 9	− 2	−29	−21	−18	−23	−13	− 4	−12	4	−0.81
69661	14 15 26.38	+27 44 02.7	7.31		H	213.859 914 73	+27.734 075 30		6.23	0.96	12.09	0.50	0.54	0.80	0.62	0.54	−13	+13	+ 7	− 6	−19	+ 0	−16	+ 6	−24	−26	0	0.97
69662	14 15 26.93	+48 50 45.6	9.27		H	213.862 218 05	+48.846 006 43		2.47	−31.06	9.62	0.68	0.81	0.95	0.82	0.87	+15	−17	−16	− 2	− 3	+10	− 2	− 8	− 6	− 9	1	−0.76
69663 H	14 15 27.91	+50 26 24.8	7.62		G	213.866 274 72	+50.440 234 59	A	7.01	46.70	−30.03	1.13	1.18	1.28	1.21	1.18	+19	−10	−11	−13	− 8	− 6	− 5	− 3	−20	+10	3	1.78
69664	14 15 28.37	+28 37 37.3	9.47		H	213.868 190 37	+28.627 014 02		8.47	8.33	−10.56	0.90	0.89	1.34	0.94	0.89	−11	+ 2	+ 0	−43	−15	− 6	− 4	+ 9	− 4	−32	0	0.56
69665	14 15 29.18	+79 59 57.1	8.75		H	213.871 602 13	+79.999 202 17		5.54	25.90	−33.00	0.64	0.64	0.71	0.72	0.73	+ 5	+ 0	−22	−19	−12	+ 0	−12	−14	− 9	−11	0	0.77
69666 H	14 15 35.29	+39 40 35.4	7.47		H	213.897 042 81	+39.676 507 53	A	3.79	5.32	3.36	0.80	0.86	1.03	0.79	0.87	+ 9	+ 7	+ 5	− 1	−15	− 2	−13	− 5	+ 3	− 2	2	0.29
69667	14 15 36.16	+58 45 05.1	9.61		H	213.900 677 76	+58.751 404 30		6.71	−20.26	29.71	0.80	0.88	1.00	0.93	1.05	+11	−14	−27	− 5	+ 3	+ 1	+ 3	− 7	+ 4	+ 5	0	1.23
69668	14 15 36.30	−50 53 03.8	10.07		G	213.901 263 51	−50.884 378 88		14.97	−155.59	−161.57	1.08	1.11	1.79	1.42	1.66	−41	−24	+10	− 1	+ 5	−18	+ 8	−13	+ 2	−20	0	−0.10
69669	14 15 37.77	+15 08 50.8	11.05		H	213.907 371 37	+15.147 438 13		10.84	−2.67	−126.25	1.79	1.67	2.41	2.01	1.77	−42	−22	−12	+ 8	+31	−24	+24	−29	+ 8	−53	0	−1.02
69670	14 15 38.08	−63 06 50.4	7.33		H	213.908 672 87	−63.114 000 68		3.46	−11.79	−3.39	0.41	0.64	0.90	0.48	0.67	+25	−11	+ 2	+34	+19	−12	+19	+13	+14	+32	0	−1.00
69671	14 15 38.58	−45 00 01.5	6.31		G	213.910 748 70	−45.000 421 16		47.51	127.52	−137.60	0.66	0.51	0.78	0.62	0.68	− 8	−24	− 9	−25	+ 1	− 6	− 1	−21	− 5	−29	0	0.32
69672	14 15 38.99	−52 58 03.7	8.26		H	213.912 440 16	−52.967 702 76		−0.15	−7.61	1.83	0.71	0.62	1.03	0.85	0.70	−21	−31	+15	+36	− 5	− 3	− 6	+29	+17	+15	0	0.97
69673 H	14 15 40.35	+19 11 14.2	−0.05	1	G	213.918 114 03	+19.187 269 97	∗	88.85	−1093.45	−1999.40	0.92	0.42	0.74	0.60	0.52	−52	+16	−13	− 7	+ 5	− 1	+ 3	−12	− 3	−31	7	2.01
69674	14 15 41.77	+50 59 28.3	7.93		H	213.924 042 73	+50.991 180 84		2.62	−54.49	18.32	0.59	0.64	0.75	0.70	0.69	+18	− 7	−10	+12	−14	− 4	−13	− 1	−12	+ 6	0	1.15
69675	14 15 42.16	−07 39 57.0	7.55		H	213.925 647 77	−07.665 844 91		6.15	6.99	−29.71	1.00	0.66	1.07	1.30	0.78	− 4	−20	−17	+11	−13	+19	− 6	− 7	− 4	+ 5	5	1.47
69676	14 15 44.48	+64 36 25.1	8.88		H	213.935 339 01	+64.606 981 57		10.10	42.55	28.94	0.65	0.68	0.77	0.77	0.82	+10	−20	−20	−11	−12	+ 6	− 7	+ 1	−14	− 7	1	1.35
69677	14 15 46.88	+37 02 43.6	8.58		G	213.945 344 61	+37.045 438 54		7.96	−30.21	−2.58	0.56	0.70	1.17	0.62	0.79	+30	− 6	−16	+20	− 2	− 3	− 4	+ 7	+ 9	+20	1	0.43
69678	14 15 47.58	−08 21 20.5	9.48		H	213.948 234 77	−08.355 694 60		4.05	−42.30	−13.76	1.56	0.99	1.88	1.76	1.11	− 6	−37	−26	+25	− 2	+28	+ 6	−26	+18	+ 2	0	0.49
69679	14 15 48.57	−37 35 59.1	8.50		H	213.952 367 98	−37.599 756 79		3.42	−16.61	−10.18	1.02	0.67	1.20	1.06	0.88	− 5	−34	−10	−23	−11	+13	−11	−11	− 2	−24	0	−1.23
69680	14 15 48.92	+34 35 09.5	8.53		G	213.953 826 41	+34.585 970 96		8.88	−44.67	102.28	0.68	0.65	1.09	0.87	0.85	+21	− 9	−16	− 6	+ 6	− 8	+ 7	+ 2	+13	−14	0	−0.65
69681	14 15 49.38	−15 06 34.3	8.57		G	213.955 763 65	−15.109 532 68		5.46	−58.31	−11.43	1.12	0.81	1.29	1.35	1.13	−15	−16	−31	+47	+20	−17	+ 7	−32	+51	−24	0	0.48
69682	14 15 50.05	−27 20 54.8	8.89		H	213.958 560 76	−27.348 564 61		16.30	−143.33	−17.89	0.99	0.85	1.36	1.06	1.14	−26	−21	−31	− 6	+19	+ 6	+13	−59	+40	−28	0	−1.15
69683	14 15 50.25	−16 04 53.0	7.98		G	213.959 376 42	−16.081 385 92		3.68	−32.61	7.12	0.95	0.74	1.14	1.04	0.94	−20	− 8	−35	+35	+22	− 3	+24	−48	+54	− 8	0	2.13
69684 H	14 15 50.50	+10 18 01.3	9.75		G	213.960 402 01	+10.300 358 14	A	18.61	118.76	−192.90	3.07	2.76	2.74	2.48	1.50	+ 7	−15	− 1	+ 1	+ 7	−30	+ 4	+ 4	+10	−44	1	4.80
69685	14 15 50.68	−10 03 22.3	9.83		H	213.961 185 51	−10.056 180 92		7.52	−11.55	−20.90	1.48	0.89	1.57	1.71	1.04	− 2	−38	−11	+22	+ 3	− 5	− 3	− 7	+24	+12	0	1.39
69686	14 15 53.32	−44 35 35.6	8.27		H	213.972 152 83	−44.593 228 43		−0.13	7.07	−5.74	0.98	0.68	1.21	0.89	0.87	− 5	−42	+ 2	−15	− 9	−18	−16	−22	+10	−20	0	−1.14
69687	14 15 54.29	−72 59 54.7	8.42		H	213.976 207 34	−72.998 538 15		5.55	−87.62	−57.11	0.68	0.71	0.92	0.75	0.79	+18	−24	+ 2	+21	+20	−13	+18	+19	+ 5	+25	0	0.69
69688	14 15 55.03	−68 32 25.0	7.49		H	213.979 292 86	−68.540 286 82		2.83	−13.02	−15.22	0.44	0.53	0.73	0.47	0.59	+22	−18	+ 1	+ 7	+ 2	−15	+ 2	+15	− 2	+22	1	−0.66
∗69689	14 15 55.45	−29 48 24.0	8.98		H	213.981 049 29	−29.806 672 74	A	2.93	−34.80	−18.07	1.45	1.23	1.72	1.69	1.49	−28	+ 4	−19	+20	+ 9	+ 0	+20	−49	+37	−13	2	0.29
∗69690	14 15 55.45	+47 09 50.7	9.21		H	213.981 029 48	+47.164 072 54		4.09	15.49	−5.76	0.72	0.77	0.98	0.83	0.74	+12	+ 2	−16	−11	− 9	+ 4	− 9	+ 2	− 6	− 4	1	0.46
∗69691	14 15 56.22	−11 12 18.2	9.40		H	213.984 251 07	−11.205 054 45		4.86	−9.29	−11.21	1.53	0.83	1.31	1.80	1.00	+12	+ 0	− 8	+59	+25	+18	+34	− 3	+34	+33	0	−0.38
∗69692	14 15 56.21	+53 26 55.6	8.91		H	213.984 196 93	+53.448 790 10		6.61	−5.71	11.81	0.72	0.76	0.92	0.88	0.92	+13	−22	− 5	− 8	− 2	+22	− 5	+ 1	+18	+14	0	−0.02
69693	14 15 56.99	−49 42 35.0	9.69		G	213.987 463 53	−49.709 712 53		4.82	−6.74	−4.55	1.03	0.95	1.47	1.39	1.36	−21	−25	+ 9	+37	+13	−22	+21	−18	+ 6	− 6	0	1.25
69694	14 15 58.02	−09 22 44.1	8.81		H	213.991 737 14	−09.378 906 39		11.29	−80.97	−41.72	1.05	0.82	1.16	1.12	0.86	−21	−30	+ 1	+16	+ 1	− 7	+ 3	−13	+11	− 2	5	1.13
69695	14 15 58.20	+34 26 15.3	8.26	2	H	213.992 517 37	+34.437 597 01		1.40	4.81	−5.11	0.66	0.64	1.02	0.85	0.83	+24	− 8	−16	+ 6	+ 6	− 9	+ 2	− 2	+12	− 9	2	−1.05
69696	14 15 58.25	−23 52 57.3	10.68		G	213.992 721 03	−23.882 593 43		13.77	−267.12	23.53	1.69	1.43	2.13	2.13	2.05	−29	−20	−20	+ 3	+25	−26	+ 6	−52	+28	−53	0	−0.34
69697	14 15 59.27	+12 27 16.3	8.16		H	213.996 946 22	+12.454 516 02		3.47	17.79	−20.56	0.68	0.65	1.05	0.80	0.73	−46	− 6	−17	+27	− 2	−12	− 5	+27	−17	−56	1	−0.83
69698	14 15 59.68	+64 51 11.4	7.33		H	213.998 670 16	+64.853 157 35		9.16	10.04	12.71	0.48	0.50	0.56

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
69601	11.183	0.055	10.042	0.032		0.960	0.015	G	1.01	0.01	I	10.1297	0.0023	0.021	116		10.10	10.17		C			1							
69602	8.404	0.011	8.131	0.012		0.244	0.015	G	0.27	0.02	H	8.1850	0.0016	0.011	79		8.17	8.20		C			1							S
69603	10.712	0.043	8.938	0.017		1.478	0.037	T	1.49	0.06	L	8.9044	0.0023	0.018	91		8.88	8.94		C			1							
69604	10.368	0.035	8.764	0.016		1.344	0.030	T	1.31	0.04	L	8.8140	0.0025	0.018	78		8.79	8.84		C			1							
69605	9.039	0.015	8.710	0.016		0.317	0.024	T	0.37	0.03	L	8.7723	0.0021	0.015	70		8.74	8.80		C			1							
69606	10.801	0.045	8.871	0.017	A	1.013	0.150	G	1.51	0.09	M	8.7684	0.0115	0.026	82	A	8.73	8.81			14148−4540	I 1	2 C	D	AB	355	13.561	0.063	3.74	0.35	D
69607	8.986	0.015	8.540	0.015		0.421	0.019	T	0.49	0.02	L	8.5842	0.0013	0.015	100		8.56	8.61					1							S
69608	8.838	0.021	8.315	0.020		0.500	0.022	T	0.57	0.02	L	8.4094	0.0019	0.014	69		8.39	8.43		C			1							S
69609	10.966	0.045	10.477	0.048		0.460	0.060	T	0.53	0.06	L	10.6073	0.0036	0.037	151		10.55	10.67					1							G
69610	8.278	0.010	7.882	0.010		0.398	0.015	G	0.46	0.02	H	7.9470	0.0013	0.013	155		7.93	7.98		C			1							S
69611	8.800	0.011	8.354	0.011		0.433	0.015	G	0.50	0.02	H	8.4072	0.0013	0.014	131		8.38	8.43		C			1							
69612	6.594	0.005	5.402	0.003	A	1.007	0.003	G	1.04	0.07	F	*	5.4469	0.0006	0.004	109	*	5.44	5.45		D	14148+1006	I 1	2 C	A	AB	112	1.068	0.009	3.02	0.04	S
69613	9.371	0.019	7.614	0.009		1.470	0.015	G	1.51	0.03	C		7.6030	0.0011	0.011	66		7.58	7.62		C			1							S
69614	8.476	0.011	6.648	0.006		1.600	0.001	G	2.30	0.05	F		6.4600	0.0030	0.025	95		6.43	6.50		U 2			1	S						S
69615	10.832	0.079	9.631	0.047		1.028	0.072	T	1.00	0.06	L		9.6969	0.0021	0.020	72		9.66	9.73		C			1							
69616	11.523	0.069	10.589	0.050		0.825	0.063	T	0.85	0.05	L		10.6645	0.0029	0.030	125		10.60	10.71					1							G
69617	9.754	0.022	9.622	0.028		0.120	0.033	T	0.13	0.03	L		9.6170	0.0037	0.044	121		9.55	9.72		U 2			1	X						G
69618	4.949	0.002	5.036	0.002		−0.074	0.002	T	−0.05	0.00	L		5.0167	0.0008	0.008	118		5.01	5.03		M	14149−5705	I 1	1							S
69619	9.846	0.022	9.980	0.035		−0.089	0.020	G	−0.07	0.02	H		9.9630	0.0025	0.021	82		9.92	10.00		C			1							G
69620	10.017	0.022	8.820	0.014		1.025	0.020	T	1.00	0.02	L		8.8849	0.0017	0.016	111		8.86	8.92					1							
69621	9.672	0.022	9.232	0.022		0.415	0.029	T	0.48	0.03	L		9.3084	0.0021	0.022	94		9.26	9.35		U			1							S
69622	11.311	0.070	9.785	0.032		1.220	0.015	G	1.18	0.01	I		9.8330	0.0023	0.020	89		9.79	9.87		C			1							
69623	6.145	0.003	6.103	0.005		0.040	0.010	G	0.06	0.01	H		6.1143	0.0006	0.007	92		6.10	6.13		C			1							S
69624	9.819	0.021	8.284	0.011		1.289	0.019	T	1.25	0.02	L		8.2870	0.0015	0.015	131		8.26	8.32					1							S
69625	8.764	0.013	7.110	0.007		1.383	0.012	T	1.36	0.01	L		7.1058	0.0010	0.009	93		7.09	7.12		C			1							S
69626	7.159	0.007	6.811	0.006		0.335	0.007	G	0.39	0.01	H		6.8593	0.0022	0.020	116		6.83	6.89		U 2			1							S
69627	9.404	0.015	8.993	0.015		0.389	0.020	T	0.45	0.02	L		9.0282	0.0036	0.031	117		8.99	9.09	1.16	P 1 A			1							S
69628	6.810	0.007	6.653	0.006	*	0.233	0.015	G	0.26	0.03	C	*	6.6958	0.0011	0.011	139	*	6.68	6.72		D	14150−6142	I 1	2 C	A	AB	158	2.759	0.004	1.74	0.02	S
69629	11.411	0.075	10.856	0.076		0.574	0.072	G	0.65	0.07	R		10.7559	0.0034	0.032	117		10.71	10.81		C			1							G
69630	10.421	0.033	8.967	0.017		1.226	0.029	T	1.18	0.03	L		8.9771	0.0026	0.020	84		8.94	9.01					1							
69631	8.789	0.012	8.222	0.011		0.546	0.015	G	0.62	0.01	H		8.2595	0.0013	0.012	94		8.24	8.28		C			1							S
69632	10.677	0.042	9.962	0.036		0.640	0.020	G	0.70	0.02	H		10.0476	0.0034	0.026	88		9.99	10.08					1							
69633	8.739	0.015	8.612	0.018		0.335	0.015	G	0.39	0.02	H		8.5939	0.0036	0.031	131		8.54	8.64		U 2			1	S						
69634	9.421	0.016	8.837	0.015		0.545	0.019	T	0.62	0.02	L		8.9037	0.0015	0.014	116		8.88	8.93					1							
69635	9.812	0.026	8.404	0.015		1.190	0.024	T	1.15	0.02	L		8.4323	0.0018	0.015	99		8.41	8.46		C			1							
69636	11.082	0.057	9.185	0.018		1.576	0.047	T	1.59	0.05	L		9.1117	0.0023	0.018	93		9.08	9.14		C			1							
69637	10.584	0.038	9.060	0.018		1.281	0.033	T	1.24	0.03	L		9.1013	0.0021	0.014	81		9.08	9.12		C			1							
69638	9.854	0.017	8.365	0.009		1.253	0.015	T	1.21	0.02	L		8.4094	0.0017	0.020	208		8.37	8.44					1							
69639	8.299	0.014	8.199	0.017		0.070	0.015	G	0.02	0.01	L		8.2386	0.0014	0.011	67		8.22	8.26		C			1							S
69640	10.063	0.016	9.963	0.022		0.090	0.025	T	0.10	0.03	L		10.0049	0.0021	0.030	237		9.95	10.05					1							G
69641	8.853	0.015	8.449	0.016	*	0.382	0.020	T	0.45	0.02	L	*	8.5770	0.0010	0.013	125	*	8.55	8.61		D	14152+4659	I 1	2 C	A	AB	311	4.389	0.003	0.90	0.01	S
69642	8.816	0.010	8.743	0.012		0.066	0.014	T	0.08	0.01	L		8.7694	0.0019	0.023	153		8.73	8.82					1							
69643	8.251	0.008	7.652	0.006	*	0.564	0.001	G	0.64	0.00	H	*	7.7016	0.0012	0.012	171	*	7.68	7.72		C	14152−6740	I 1	2 C	A	AB	271	0.907	0.018	3.45	0.11	S
69644	11.836	0.125	10.764	0.080		0.928	0.113	T	0.92	0.08	L		10.8361	0.0042	0.032	88		10.79	10.90		C			1							G
69645	10.269	0.029	9.544	0.025		0.665	0.004	G	0.73	0.00	H		9.5511	0.0022	0.020	80		9.51	9.59					1							
69646	7.973	0.009	7.573	0.009		0.378	0.012	T	0.44	0.01	L		7.6204	0.0011	0.009	90		7.61	7.64		C			1							S
69647	9.932	0.027	8.467	0.014		1.234	0.024	T	1.19	0.02	L		8.4928	0.0018	0.015	117		8.47	8.52					1							
69648	8.476	0.011	8.373	0.013		0.294	0.015	G	0.34	0.02	H		8.3851	0.0028	0.020	92		8.35	8.42					1							
69649	9.180	0.016	8.993	0.018		0.161	0.015	G	0.18	0.01	H		9.0597	0.0017	0.016	84		9.02	9.10					1							
69650	6.675	0.004	6.570	0.004		0.096	0.003	G	0.11	0.00	H		6.6019	0.0007	0.007	110		6.59	6.61		C			1							S
69651	9.953	0.030	9.351	0.028		0.566	0.015	G	0.64	0.01	H		9.3557	0.0034	0.020	66		9.31	9.38					1	G						
69652	9.744	0.019	9.434	0.021		0.294	0.027	T	0.34	0.04	L		9.5279	0.0030	0.022	121		9.49	9.58		C			1							
69653	7.776	0.011	7.167	0.010	*	0.570	0.015	G	0.64	0.01	H	*	7.1526	0.0012	0.009	98	*	7.14	7.17		D	14153+0308	I 1	2 C	A	AB	218	0.882	0.002	0.11	0.01	S
69654	9.910	0.021	8.620	0.012		1.097	0.019	T	1.06	0.02	L		8.6877	0.0019	0.020	147		8.65	8.72					1							
69655	8.440	0.009	6.591	0.004		1.576	0.007	G	1.55	0.01	J		6.5240	0.0009	0.009	160		6.51	6.54		M			1							S
69656	10.157	0.035	9.656	0.035		0.482	0.038	T	0.55	0.04	L		9.7559	0.0031	0.021	74		9.73	9.79		C			1							
69657	8.335	0.011	8.032	0.012		0.294	0.015	G	0.34	0.02	H		8.0621	0.0015	0.010	68		8.05	8.08		C			1							S
69658	5.530	0.004	5.530	0.003		0.001	0.004	T	0.02	0.00	L		5.5416	0.0005	0.003	66		5.54	5.55					1							S
69659	9.450	0.017	8.994	0.017		0.443	0.019	T	0.51	0.02	L		9.0594	0.0021	0.018	79		9.02	9.10		C			1							
69660	9.525	0.021	8.848	0.018		0.610	0.006	G	0.68	0.01	H		8.8869	0.0014	0.012	68		8.86	8.91		C			1							
69661	7.624	0.005	7.327	0.006		0.282	0.007	T	0.32	0.01	L		7.3840	0.0008	0.009	145		7.37	7.40		C			1							S
69662	10.540	0.035	9.331	0.021		1.034	0.032	T	1.01	0.03	L		9.4352	0.0018	0.017	109		9.41	9.47		R			1							
69663	8.053	0.011	7.605	0.011	*	0.461	0.015	G	0.53	0.02	H	*	7.7187	0.0017	0.014	110	*	7.70	7.74		D	14155+5026	I 1	2 C	A	AB	151	5.585	0.003	0.64	0.01	S
69664	10.183	0.026	9.520	0.022		0.615	0.029	T	0.68	0.03	L		9.6039	0.0020	0.022	117		9.57	9.64		C			1							
69665	9.181	0.013	8.787	0.013		0.373	0.017	T	0.44	0.02	L		8.8376	0.0016	0.017	131		8.80	8.87		C			1							
69666	8.717	0.010	7.599	0.007	*	0.963	0.009	T	0.95	0.01	L	*	7.6386	0.0011	0.013	148	*	7.61	7.66		D	14156+3941	H 1	2 C	A	AB	97	0.540	0.006	2.39	0.03	S
69667	10.254	0.028	9.685	0.026		0.579	0.015	G	0.65	0.01	H		9.7390	0.0026	0.022	124		9.71	9.79		C			1							
69668	10.970	0.042	9.998	0.030		0.856	0.006	G	0.90	0.01	H		10.2255	0.0024	0.030	152		10.17	10.28					1							G
69669	12.303	0.188	11.199	0.113		0.952	0.171	T	0.94	0.12	L		11.2178	0.0037	0.036	101		11.16	11.27					1							G
69670	8.920	0.010	7.465	0.005		1.227	0.009	T	1.19	0.01	L		7.4923	0.0011	0.013	204		7.47	7.51					1							
69671	7.028	0.005	6.377	0.005		0.596	0.004	G	0.66	0.02	A		6.4355	0.0013	0.011	83		6.42	6.45					1							S
69672	10.520	0.032	8.446	0.011		1.755	0.028	T	2.02	0.07	O		8.3391	0.0017	0.019	145		8.30	8.37					1							
69673	1.629	0.010	0.286	0.009	*	1.239	0.006	G	1.22	0.02	A	*	0.1114	0.0020	0.015	70	*	0.09	0.14		U 2	14157+1911	H 1	2 C	A	AB	198	0.255	0.039	3.33	0.31	S
69674	9.363	0.019	8.037	0.011		1.125	0.017	T	1.09	0.02	L		8.0936	0.0017	0.013	117		8.07	8.12		C			1							
69675	9.145	0.019	7.683	0.011		1.232	0.017	T	1.19	0.02	L		7.7122	0.0012	0.010	51		7.70	7.73		C			1							S
69676	9.689	0.018	8.950	0.015		0.677	0.019	T	0.74	0.02	L		9.0225	0.0015	0.016	129		8.99	9.05		C			1							S
69677	9.304	0.010	8.624	0.009		0.639	0.015	G	0.70	0.01	H		8.7093	0.0015	0.021	199		8.67	8.75					1							S
69678	10.216	0.042	9.533	0.037		0.631	0.046	T	0.70	0.04	L		9.6091	0.0025	0.016	50		9.56	9.63					1	S						
69679	10.082	0.028	8.604	0.015		1.245	0.025	T	1.20	0.03	L		8.6641	0.0020	0.014	76		8.64	8.69		C			1							
69680	9.294	0.011	8.583	0.010		0.671	0.015	G	0.73	0.01	H		8.6582	0.0014	0.018	177		8.63	8.69		C			1							S
69681	9.130	0.016	8.640	0.015		0.506	0.015	G	0.58	0.02	H		8.6754	0.0011	0.014	69		8.65	8.69		D			1							S
69682	9.753	0.023	8.997	0.019		0.675	0.023	T	0.73	0.02	L		9.0292	0.0016	0.016	99		9.01	9.06		C			1							
69683	9.579	0.020	8.141	0.011		1.226	0.020	G	1.18	0.02	H		8.1538	0.0021	0.013	81		8.13	8.17		C			1							S
69684	9.579	0.024	8.597	0.017	*	0.840	0.042	G	0.86	0.03	R	*	8.7601	0.0010	0.011	108	–	8.74	8.78		D	14158+1018	I 1	3 C	B						G
69685	10.329	0.044	9.932	0.048		0.376	0.060	T	0.44	0.07	L		9.9117	0.0028	0.023	58		9.85	9.94		C			1							
69686	10.313	0.033	8.448	0.014		1.550	0.028	T	1.62	0.04	L		8.3871	0.0019	0.014	82		8.35	8.41		C			1							
69687	9.771	0.018	8.544	0.012		1.048	0.017	T	1.02	0.01	L		8.5882	0.0021	0.020	155		8.56	8.62					1							
69688	7.530	0.006	7.482	0.006		0.049	0.008	T	0.06	0.01	L		7.5075	0.0011	0.011	155		7.49	7.52					1							S
69689	9.439	0.017	8.985	0.017	A	0.442	0.019	T	0.51	0.02	L		9.0804	0.0067	0.019	91	A	9.04	9.12		C	14159−2948	I 1	2 C	A	AB	98	10.793	0.025	2.80	0.09	
69690	10.530	0.030	9.305	0.018		1.047	0.027	T	1.02	0.02	L		9.3792	0.0017	0.021	126		9.34	9.41		C			1							
69691	10.858	0.059	9.531	0.030		1.126	0.052	T	1.09	0.05	L		9.5663	0.0028	0.016	59		9.53	9.61		C			1							
69692	9.868	0.026	8.987	0.019		0.786	0.024	T	0.82	0.02	L		9.0634	0.0022	0.017	109		9.04	9.09		C			1							S
69693	9.633	0.019	9.691	0.027		−0.057	0.003	G	−0.04	0.00	H		9.6771	0.0034	0.026	102		9.64	9.71					1							G
69694	9.402	0.023	8.876	0.022		0.494	0.029	T	0.57	0.03	L		8.9200	0.0023	0.015	62		8.90	8.96		C			1							
69695	10.479	0.024	8.570	0.010		1.585	0.021	T	1.60	0.02	L		8.3706	0.0296	0.214	182		8.06	8.60		U 2 C			1	S						S
69696	11.846	0.135	10.732	0.079		0.834	0.005	G	0.88	0.01	H		10.8334	0.0039	0.029	80		10.77	10.90		C			1							G
69697	9.369	0.014	8.259	0.010		0.940	0.015	G	0.93	0.01	H		8.3185	0.0011	0.011	148		8.30	8.35		C			1							S
69698	7.709	0.007	7.382	0.007		0.310	0.009	T	0.36	0.01	L		7.4109	0.0010	0.010	139		7.40	7.43					1							S
69699	7.382	0.005	6.727	0.005		0.580	0.042	G	0.66	0.01	L		6.7939	0.0010	0.010	121		6.78	6.81		D	14160+5641	I 2	1 G							S
69700	10.047	0.038	9.095	0.028	*	0.832	0.018	G	0.87	0.02	H	*	9.1165	0.0027	0.015	61	*	9.09	9.15		D	14160−0704	I 1	2 C	A	BA	190	0.507	0.005	0.15	0.02	

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg	mas	mas/yr		mas		mas	mas/yr												%	
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
69701	14 16 00.88	−05 59 58.3	4.07	H	214.003 687 17	−05.999 526 22	46.74	−25.84	−419.84	0.77	0.52	0.87	0.91	0.68	−20	−32	−17	+31	− 5	+ 2	−10	−10	+10	−34	0	−0.22
69702	14 16 02.31	−31 41 36.8	9.24	H	214.009 612 15	−31.693 547 48	2.21	18.00	−10.69	1.26	0.95	1.42	1.58	1.26	−16	+ 4	−18	− 1	+ 9	− 3	+19	−50	+28	+ 4	0	−0.09
*69703	14 16 02.41	+78 45 36.2	9.27	H	214.010 045 65	+78.760 064 81	2.21	−15.88	10.51	0.69	0.70	0.77	0.80	0.85	+ 9	−14	−24	−16	−13	+14	−11	− 9	+ 1	−10	0	0.83
*69704	14 16 02.41	+45 33 58.0	6.50	H	214.010 031 62	+45.566 110 67	7.96	−17.33	64.59	0.45	0.50	0.64	0.55	0.50	+16	− 5	−10	−19	−14	+ 8	−15	+ 3	− 8	+11	3	2.14
69705	14 16 03.25	+00 16 22.6	10.28	G	214.013 547 79	+00.272 954 24	5.54	4.25	−3.28	1.57	1.11	1.86	1.50	1.34	−17	−40	− 3	−17	−19	+ 8	−33	−28	+28	−34	0	−0.01
69706	14 16 03.74	−51 28 23.3	10.37	H	214.015 576 94	−51.473 132 11	1.65	−10.15	−6.14	1.18	1.20	1.93	1.53	1.77	−35	−27	+16	+ 0	+ 5	− 6	+ 9	−19	+ 3	− 8	0	1.96
69707 H	14 16 05.50	−34 25 07.9	8.25	G	214.022 916 18	−34.418 848 27 *	2.79	−23.16	−7.41	0.91	0.73	1.11	1.19	1.01	−21	− 7	−11	+17	− 2	+13	+ 2	−13	−10	−18	0	0.26
69708	14 16 05.58	+05 52 36.7	8.27	H	214.023 232 47	+05.876 855 55	2.02	−48.46	0.63	0.94	0.82	1.23	1.05	0.95	−29	+ 3	−46	− 7	+ 3	+ 0	+ 1	−27	+25	−44	0	0.23
69709	14 16 05.60	+50 10 07.7	7.78	H	214.023 329 14	+50.168 791 93	22.15	−300.28	186.07	0.60	0.65	0.77	0.70	0.68	+22	− 3	− 5	− 9	−15	− 6	−13	− 7	−10	+12	1	−0.62
69710	14 16 07.92	+67 41 21.5	7.96	H	214.032 999 60	+67.689 298 78	4.73	15.45	−7.61	0.59	0.61	0.68	0.62	0.67	− 5	− 4	−19	−25	+ 5	−18	+ 4	− 3	+ 5	−17	0	0.30
69711 H	14 16 08.51	+56 42 45.6	7.07	G	214.035 468 40	+56.712 680 43 B	7.36	−39.78	3.14	0.63	0.70	0.69	0.66	0.74	+26	− 6	−21	−30	−18	+ 0	−18	−18	+12	+17	0	−0.09
69712	14 16 09.53	+52 56 16.6	8.83	2 H	214.039 691 41	+52.937 938 85	0.53	−40.44	−0.02	0.72	0.82	0.96	0.86	0.93	+14	−22	−16	− 7	− 4	+ 4	− 5	−13	+ 6	+ 6	0	0.11
69713	14 16 10.07	+51 22 01.3	4.75	1 H	214.041 956 27	+51.367 013 98	33.54	−149.98	89.42	0.44	0.46	0.56	0.54	0.48	+15	− 9	−15	+16	−12	+ 0	−12	+ 0	−14	− 3	0	0.49
69714	14 16 10.41	+15 33 49.4	8.86	H	214.043 355 11	+15.563 723 82	1.55	−10.60	3.66	0.89	0.79	1.17	0.92	0.85	−31	+ 5	−17	+29	+ 6	+ 2	+ 6	+12	− 4	−38	0	1.22
69715	14 16 11.25	+21 14 33.9	7.62	H	214.046 866 46	+21.242 752 34	16.97	49.49	−13.84	0.68	0.59	0.87	0.80	0.63	−18	+ 2	−19	+20	+ 5	− 8	+ 2	+13	−15	−21	2	1.12
69716	14 16 12.74	−66 54 08.3	8.84	1 H	214.053 074 67	−66.902 318 45	1.76	−9.26	−14.51	0.74	0.84	1.26	0.88	1.04	+36	−24	− 8	+21	+15	−18	+11	+29	+ 5	+39	0	−0.39
69717	14 16 13.50	−32 55 35.4	8.86	H	214.056 246 07	−32.926 512 16	2.29	4.76	−16.98	1.12	0.75	1.42	1.50	1.18	−12	−24	−15	+11	− 8	+10	−14	−28	+30	−13	0	1.56
69718	14 16 14.20	−25 21 57.0	8.86	H	214.059 158 33	−25.365 837 99	4.27	−15.38	−4.29	0.86	0.76	1.13	0.96	1.00	−38	−26	−20	− 1	+22	+ 0	+16	−59	+35	−35	0	−0.85
69719	14 16 15.50	−62 28 45.7	9.48	G	214.064 601 46	−62.479 374 44	3.07	−6.71	−6.36	0.74	0.95	1.46	0.86	0.98	+24	−17	+ 3	+ 7	+19	− 4	+16	+ 8	+ 1	+43	2	−1.01
69720	14 16 17.02	−53 49 01.8	8.81	H	214.070 917 48	−53.817 163 34	7.15	−27.26	−18.04	0.71	0.75	1.07	0.82	0.81	−21	−30	+ 8	+15	−13	− 9	−24	+52	+ 2	+18	0	0.39
69721	14 16 17.46	+58 23 21.9	8.54	H	214.072 768 90	+58.389 420 79	10.04	−16.78	−1.33	0.58	0.69	0.75	0.62	0.76	+13	−15	−27	− 4	− 5	− 1	− 9	−18	+13	− 8	0	−0.15
69722	14 16 18.32	−33 14 28.8	6.57	H	214.076 336 39	−33.241 330 31	13.40	24.24	3.47	0.75	0.52	0.98	1.14	0.84	−23	+ 8	−21	+39	− 8	+34	+ 5	−24	+32	− 5	0	1.32
*69723 H	14 16 20.29	+06 04 52.0	7.72	H	214.084 527 79	+06.081 105 15 A	6.08	−3.40	6.95	1.35	1.25	1.60	1.39	1.30	−40	−10	−19	−27	+ 9	+18	+11	−32	+11	−48	2	1.01
*69724	14 16 20.27	−04 17 05.8	8.94	G	214.084 475 07	−04.284 948 36	14.12	−189.46	−103.13	1.21	0.85	1.35	1.42	1.01	−22	−20	−11	+29	− 5	+18	+ 3	−31	− 6	−18	6	0.39
69725	14 16 20.99	−66 11 36.1	8.93	1 H	214.087 465 31	−66.193 359 21	1.41	−5.60	−9.44	0.73	0.89	1.24	0.85	1.09	+42	−24	−10	− 5	+ 7	− 5	+ 1	+13	+12	+47	0	0.68
69726	14 16 21.25	+50 31 34.5	8.03	H	214.088 547 25	+50.526 242 12	3.09	−67.73	7.38	0.62	0.68	0.81	0.75	0.76	+19	+ 2	− 2	− 3	−15	− 2	−14	− 6	−20	+ 9	0	−0.41
69727	14 16 21.41	−06 37 17.5	6.44	H	214.089 194 85	−06.621 518 16	19.19	−42.65	−10.49	1.55	1.07	1.75	1.58	1.32	− 6	−33	−24	+ 6	− 1	− 4	− 4	−19	− 5	−27	0	
69728	14 16 21.46	−52 08 13.5	10.70	H	214.089 420 10	−52.137 088 29	6.88	−16.87	−46.41	1.48	1.60	2.34	2.12	2.16	−32	−18	+16	+10	+ 8	+ 1	+15	−14	+ 3	+ 3	3	0.34
69729	14 16 21.99	−49 30 57.8	9.35	H	214.091 633 49	−49.516 043 87	4.78	−26.11	−3.97	0.90	0.79	1.38	1.21	1.09	−14	−21	+ 5	+20	+ 7	−32	+15	−16	+ 1	+ 5	0	−0.22
69730	14 16 22.13	−53 19 36.4	7.82	H	214.092 222 77	−53.326 778 96	1.98	−36.28	−24.50	0.63	0.62	0.97	0.62	0.66	−23	−42	+ 9	+19	−10	−19	−15	+38	+ 4	+ 4	0	1.31
69731	14 16 22.68	+07 57 44.5	9.69	G	214.094 499 72	+07.962 364 34	5.99	−16.36	−21.09	1.53	1.12	1.71	1.64	1.27	−24	+ 3	−19	−31	+ 7	− 2	+ 5	−38	+20	−34	0	0.91
69732	14 16 23.18	+46 05 16.5	4.18	G	214.096 568 21	+46.087 918 94	33.58	−187.42	159.01	0.45	0.46	0.61	0.52	0.43	+15	+ 5	− 5	−12	−25	+ 7	−20	−10	− 6	−15	2	0.12
*69733 H	14 16 24.35	+37 07 48.0	7.86	H	214.101 453 28	+37.129 989 87 *	3.56	−28.45	−13.28	0.99	1.30	1.12	0.64	0.80	+ 0	+ 7	+ 2	+11	− 2	+ 4	− 2	+ 7	+28	+15	1	−0.11
*69734	14 16 24.35	−41 13 59.6	7.86	G	214.101 440 20	−41.233 215 40	4.86	−9.39	−7.58	0.76	0.67	1.13	0.78	0.92	− 5	−42	−33	+24	+15	−24	−20	−36	+50	−45	0	−1.21
69735	14 16 24.38	+39 44 40.9	6.38	H	214.101 586 57	+39.744 693 67	20.72	−140.37	6.97	0.40	0.48	0.63	0.48	0.55	+21	− 3	+ 5	− 2	−21	− 1	−19	+ 1	−16	+19	1	0.88
69736 H	14 16 25.35	−52 25 00.6	9.56	2 H	214.105 627 48	−52.416 836 55 A	4.31	−49.83	−26.52	4.80	4.93	6.38	5.28	5.84	−32	−17	+ 8	− 1	+10	−13	+13	−18	+ 7	− 9	3	4.68
69737 H	14 16 26.18	+25 39 09.2	8.94	G	214.109 101 70	+25.652 542 86 A	1.54	10.01	−37.90	2.05	1.41	2.04	1.95	1.38	− 2	+ 2	−23	− 1	−10	+13	− 5	+ 5	− 1	−31	0	0.04
69738	14 16 26.34	+58 04 58.2	8.07	H	214.109 736 73	+58.082 832 53	16.13	−146.54	122.58	0.56	0.61	0.70	0.58	0.67	+13	−23	−23	− 5	− 9	+ 6	−11	− 9	+ 7	−10	2	0.80
69739	14 16 26.56	+79 20 12.5	7.94	H	214.110 668 33	+79.336 799 36	2.38	−5.28	−9.59	0.68	0.68	0.78	0.84	0.85	+14	+ 2	−11	−15	−18	+12	−16	−22	− 2	+18	3	−2.10
*69740	14 16 27.37	+40 24 11.5	8.62	H	214.114 055 22	+40.403 184 69	1.67	−9.69	16.85	0.69	0.83	1.16	0.81	0.91	+15	−13	−23	− 4	−20	+18	−15	+ 0	− 4	+ 6	0	0.81
*69741	14 16 27.28	−64 46 50.2	9.33	H	214.113 662 44	−64.780 612 38	1.45	−9.02	−5.03	0.71	0.91	1.39	0.96	1.21	+44	− 4	− 3	−11	+ 9	+13	+ 4	+ 1	+21	+65	0	0.24
69742	14 16 28.72	+33 33 28.8	9.66	H	214.119 686 46	+33.558 010 87	13.36	−51.92	102.62	0.96	0.98	1.51	1.39	1.21	+12	− 1	−24	+30	+ 6	+ 0	+ 6	+24	− 6	+ 4	1	1.07
69743	14 16 29.04	+26 37 43.6	8.36	H	214.121 016 58	+26.628 775 71	12.87	28.89	56.22	0.87	0.68	1.06	0.88	0.71	− 8	+ 9	− 3	−21	−15	−11	−14	+ 0	−25	−21	0	0.66
69744	14 16 29.53	+63 03 51.2	8.32	G	214.123 044 31	+63.064 209 89	12.19	33.82	33.12	0.57	0.63	0.67	0.62	0.70	+18	−14	−23	−26	− 5	− 3	− 7	−21	+11	+ 4	3	−0.21
69745	14 16 29.83	+36 39 55.7	9.34	H	214.124 300 52	+36.665 466 24	0.03	−14.14	−1.42	0.69	0.81	1.30	0.78	0.92	+32	−10	−18	+ 4	− 5	− 5	− 8	− 4	+11	+19	1	1.83
69746	14 16 29.98	+08 27 52.9	9.40	H	214.124 909 06	+08.464 702 59	2.24	−56.48	3.13	1.21	0.93	1.58	1.45	1.08	−12	−19	−29	−26	−18	+21	−16	−15	+31	−19	0	1.08
69747	14 16 30.18	−03 11 46.4	6.15	G	214.125 743 43	−03.196 225 88	6.02	−22.40	−32.55	0.77	0.51	0.91	0.89	0.65	−17	−42	−19	+29	+ 0	− 6	−11	−13	+22	−29	0	1.76
69748	14 16 30.48	+55 17 54.4	6.90	H	214.127 020 50	+55.298 439 44	6.66	31.91	−31.81	0.50	0.50	0.59	0.56	0.59	+13	+ 3	− 9	−21	−10	− 5	− 9	−13	+ 8	+ 0	0	−0.29
*69749	14 16 31.98	−57 17 50.9	7.25	H	214.133 262 80	−57.297 460 61	4.07	−17.52	−14.31	0.55	0.52	0.77	0.62	0.57	+10	−35	+ 5	+22	+13	− 5	+ 7	+28	+10	+25	0	1.61
*69750	14 16 31.97	−43 16 29.7	8.90	H	214.133 200 36	−43.274 913 91 A	0.46	−8.58	−10.03	2.89	2.34	2.82	3.62	2.58	− 1	+10	+17	−22	−13	−32	− 7	−33	+ 7	− 9	0	0.26
69751 H	14 16 32.93	+20 07 19.5	6.25	G	214.137 198 31	+20.122 076 37 A	30.99	−135.94	−93.79	0.79	0.69	0.83	0.72	0.59	−26	−19	−10	− 7	− 3	+12	+ 4	+ 1	−23	−35	0	0.97
69752	14 16 33.56	+28 41 48.7	8.84	H	214.139 832 15	+28.696 872 14	5.99	−47.97	15.57	0.77	0.74	1.11	0.98	0.79	−10	+ 3	+ 3	−28	−14	+ 1	− 6	+19	− 9	−24	0	1.58
*69753	14 16 33.92	+32 12 30.3	6.73	H	214.141 341 64	+32.208 417 54	7.17	19.56	6.59	0.43	0.51	0.73	0.62	0.55	−20	+11	− 7	+14	+ 3	− 7	− 1	+ 7	−13	−20	0	0.80
*69754	14 16 34.33	−59 54 49.2	7.18	3 H	214.143 046 34	−59.913 675 73	1.56	−10.28	−5.90	0.68	0.62	0.84	0.97	0.87	+ 4	− 9	− 1	+31	− 4	+ 7	+ 0	+15	+ 1	+25	2	0.70
*69755	14 16 33.77	−43 16 39.2	11.94	H	214.140 697 77	−43.277 547 92 B	0.46	−8.58	−10.03	59.08	39.72	2.82	3.62	2.58	− 9	+ 0	+ 0	+ 3	+ 3	−32	+ 4	− 3	+ 7	− 9	0	0.26
69756	14 16 34.76	+05 31 55.1	8.33	H	214.144 827 26	+05.531 983 97	7.17	−0.10	4.38	0.90	0.85	1.26	1.00	0.94	−30	+ 0	−48	+ 2	+ 1	+ 4	+ 0	−24	+24	−43	0	−1.18
69757	14 16 34.95	+22 40 30.7	8.77	1 H	214.145 644 08	+22.675 182 18	8.97	8.60	−44.90	0.94	0.72	1.14	1.18	0.76	−10	−16	−27	+22	+11	−23	+ 3	+14	− 1	−17	0	−0.37
69758	14 16 36.21	−07 28 00.4	7.87	H	214.150 889 64	−07.466 771 58	10.00	−43.13	1.98	1.01	0.69	1.12	1.29	0.82	− 6	−18	−26	+20	− 7	+14	+ 0	−16	+ 7	+ 2	0	1.96
69759	14 16 36.58	+42 21 36.0	11.03	3 H	214.152 436 34	+42.360 002 16	−0.50	−5.80	−34.93	1.06	1.31	1.60	1.33	1.29	+13	− 4	−11	−22	+ 1	− 3	− 1	−32	− 4	− 6	2	1.08
69760	14 16 37.41	+37 45 05.0	8.61	H	214.155 868 79	+37.751 378 86	0.38	5.13	1.31	0.57	0.77	1.14	0.66	0.88	+22	+ 3	−15	− 1	− 7	− 8	− 8	+ 1	+ 4	+16	0	−0.45
69761 H	14 16 37.59	−62 06 59.2	8.90	H	214.156 633 51	−62.116 452 79 *	6.08	−71.28	−17.20	0.90	0.89	1.29	1.09	1.02	+ 7	−29	+ 9	−17	+11	− 3	+ 7	− 5	− 6	+42	0	−0.76
69762	14 16 38.15	+25 56 50.4	9.05	G	214.158 963 18	+25.947 319 88	3.58	−22.51	4.83	0.99	0.84	1.25	1.09	0.88	− 9	+ 5	−11	−14	−15	+ 9	−11	+ 7	−15	−29	2	−0.14
69763	14 16 38.73	−66 35 16.4	5.72	H	214.161 358 36	−66.587 880 92	1.42	−7.14	−5.24	0.36	0.46	0.66	0.41	0.56	+34	−18	− 2	− 9	+ 2	−20	+ 1	+ 4	− 1	+39	0	−0.48
69764	14 16 38.84	−26 43 15.9	9.25	H	214.161 845 23	−26.721 086 12	8.15	−6.38	−56.74	1.14	1.05	1.56	1.26	1.33	−39	+ 3	−37	+ 0	+14	+10	+28	−65	+46	−17	9	0.74
69765	14 16 40.46	+40 43 38.6	10.00	H	214.168 595 56	+40.727 375 34	3.70	−82.36	0.70	1.03	1.19	1.71	1.12	1.22	+18	−10	−35	− 1	−15	+11	−14	− 8	+19	+ 8	0	0.29
69766	14 16 40.98	−58 19 30.6	7.54	H	214.170 759 28	−58.325 157 65	3.09	−9.74	−6.45	0.67	0.71	0.91	0.68	0.84	+ 8	−37	−13	+25	+ 0	− 2	− 1	+46	+ 2	+ 2	2	−0.88
69767	14 16 41.01	+67 20 46.0	11.07	H	214.170 874 25	+67.346 104 61	23.57	−133.14	89.48	2.65	2.66	2.97	2.83	2.91	− 2	−11	−15	−29	+ 3	−17	+ 2	−15	+ 2	−14	0	
69768	14 16 42.01	+32 09 58.6	8.20	G	214.175 062 29	+32.166 287 10	2.24	−6.12	8.84	0.58	0.70	1.01	0.84	0.74	−15	+ 6	− 5	+ 9	+13	−11	+ 8	− 7	− 1	−19	0	−1.10
69769	14 16 43.77	−13 43 58.2	9.11	G	214.182 387 53	−13.732 839 03	3.14	4.98	−3.10	1.24	0.90	1.51	1.37	1.22	− 9	−41	−33	+11	+10	+ 2	− 1	−26	+20	−38	0	0.68
69770	14 16 43.83	−36 08 54.5	10.34	G	214.182 619 00	−36.148 463 74	9.97	−187.08	−165.60	1.38	1.17	1.89	1.72	1.47	−31	+ 1	−17	+19	+13	+33	+16	−46	+ 4	−34	0	−2.46
69771	14 16 44.22	−30 57 31.0	8.56	H	214.184 249 07	−30.958 599 02	2.49	−13.43	−1.15	0.93	0.77	1.22	1.15	1.00	−27	+ 6	−22	− 1	+ 8	+ 2	+18	−53	+34	− 7	0	0.29
69772	14 16 44.80	+53 15 48.8	7.85	H	214.186 663 51	+53.263 560 69	3.17	−14.38	−0.34	0.57	0.57	0.71	0.63	0.69	+12	−22	− 5	+ 7	− 3	+10	− 6	− 5	+16	+14	2	−1.32
69773	14 16 48.75	−08 53 04.0	6.47	H	214.203 105 18	−08.884 437 97	6.13	−16.93	−14.35	0.78	0.58	0.87	0.81	0.65	−19	−33	−10	+22	+ 3	+ 5	+ 6	−10	+ 1	−14	0	2.26
69774	14 16 49.29	−13 30 21.8	9.50	H	214.205 376 51	−13.506 060 36	3.97	−25.13	−15.93	1.51	1.03	1.82	1.49	1.32	+ 0	−47	−38	+23	+10	− 4	− 5	−21	+21	−37	0	−1.00
69775	14 16 49.44	−05 38 38.4	6.88	H	214.206 005 06	−05.644 009 78	11.07	14.66	−11.92	0.81	0.55	0.96	1.06	0.68	−18	−24	−22	+19	−17	+29	−13	− 1	+ 6	−22	0	1.48
69776	14 16 52.69	+26 21 57.3	9.11	H	214.219 557 74	+26.365 920 48	7.04	13.54	−25.21	0.98	0.78	1.19	1.05	0.80	− 4	− 3	− 3	−21	− 4	− 8	− 2	−12	−19	−15	0	0.64
69777	14 16 54.81	−01 20 51.6	9.20	H	214.228 360 63	−01.347 673 20	−1.02	−24.34	−10.62	1.31	0.80	1.58	1.68	1.00	−15	−27	−20	+ 7	−10	−14	−19	−16	+34	−20	0	0.50
69778	14 16 55.17	−77 39 51.2	6.48	H	214.229 854 98	−77.664 214 60	1.38	−5.86	−2.87	0.44	0.48	0.57	0.52	0.57	+ 8	+ 2	+10	+20	+18	+ 2	+19	+15	+ 2	+17	0	−1.15
69779	14 16 57.28	−57 51 15.5	7.44	2 T	214.238 662 25	−57.854 292 16	9.76	−52.69	−22.37	0.65	0.59	0.85	0.71	0.65	+19	−35	−12	+34	+16	+ 0	+13	+40	+ 4	+28	0	0.96
69780	14 16 57.61	−50 16 52.8	8.66	H	214.240 052 13	−50.281 322 87	10.02	−234.37	−14.72	0.68	0.70	1.10	0.86	1.12	−34	−26	+ 4	+ 1	+ 4	−18	+ 4	− 6	+ 5	−31	0	−0.16
69781	14 16 57.93	−49 56 42.2	8.67	2 H	214.241 386 54	−49.945 041 67	15.36	−20.77	−24.38	0.77	0.77	1.12	0.85	0.98	−20	−28	− 4	+14	+10	−21	+ 9	− 9	+10	−19	0	−1.32
69782	14 16 58.38	+24 11 32.7	9.70	H																						
69783	14 17 00.48	+03 05 18.3	8.65	G	214.251 984 18	+03.088 427 18	23.53	138.77	61.48	1.20	0.77	1.37	1.33	0.89	− 4	−22	−23	−26	−23	+12	−24	−19	+18	−19	0	0.35
69784	14 17 01.12	+29 56 09.8	10.71	G	214.254 682 43	+29.936 047 06	0.54	1.74	− 5.91	1.35	1.10	1.66	1.63	1.13	−18	−18	− 7	+ 0	− 6	+ 6	+24	− 1	+ 7	−19	−30	0	−0.29
69785	14 17 01.49	−00 04 44.3	9.05	H	214.256 207 82	−00.078 981 96	10.18	51.75	−140.37	1.05	0.83	1.26	1.08	0.94	−42	−34	+10	− 2	− 6	− 4	−14	−21	+17	−50	0	0.44
69786	14 17 01.67	+24 29 50.0	10.29	H	214.256 963 13	+24.497 230 45	10.39	5.14	−12.19	1.24	1.07	1.59	1.23	1.17	−22	+ 2	−20	−23	−13	+15	− 7	− 2	−10	−52	0	2.23
69787	14 17 02.12	+35 28 08.0	10.57	H	214.258 818 52	+35.468 878 24	15.93	25.92	−28.77	1.38	1.54	2.43	2.07	1.95	+ 4	+16	− 9	−11	+ 5	−10	+ 7	−10	+16	−18	1	1.09
69788	14 17 02.35	+03 05 09.9	10.63	2 H	214.259 789 04	+03.086 087 80	2.68	10.66	−0.22	2.70	1.77	3.24	3.03	2.11	− 6	−30	−23	−24	−24	+10	−28	−18	+28	−25	0	1.86
69789	14 17 02.81	−04 19 43.4	7.80	1 H	214.261 717 78	−04.328 734 66	2.35	−17.16	−18.48	1.04	0.65	1.10	1.16	0.76	−20	−22	−14	+44	− 6	+10	− 7	−16	+12	−22	0	−0.39
69790 H	14 17 03.09	+50 59 44.7	8.48	H	214.262 887 68	+50.995 747 61 A	12.03	−71.07	58.25	1.51	1.43	1.61	1.74	1.42	+18	−10	−10	+10	− 3	−14	− 2	+ 1	−22	+ 9	1	0.54
69791	14 17 03.41	−34 32 12.0	9.22	H	214.264 196 43	−34.536 665 69	6.56	−22.41	−21.47	1.15	0.87	1.36	1.50	1.14	−17	−17	−17	+ 6	−16	+ 6	−16	− 5	+ 6	−20	0	0.62
69792 H	14 17 03.79	−18 35 08.5	6.22	G	214.265 802 56	−18.585 680 95 A	8.53	−5.27	−7.68	0.88	0.64	0.88	1.00	0.66	−22	−21	−19	+ 1	+ 6	− 8	+10	−44	+19	−13	1	0.48
69793	14 17 03.92	+54 32 34.8	7.00	H	214.266 344 21	+54.542 998 18	18.35	−169.70	−55.65	0.47	0.54	0.59	0.49	0.60	+19	− 8	−15	−16	− 7	+ 1	− 6	−12	+ 3	+ 7	1	0.41
69794	14 17 04.09	−77 40 52.0	8.60	H	214.267 022 21	−77.681 103 54	2.50	−22.50	−14.07	0.62	0.68	0.80	0.78	0.92	+ 9	− 2	+ 9	+19	+19	+ 7	+19	+21	+ 2	+17	0	−2.38
69795	14 17 04.39	−42 51 44.9	8.51	H	214.268 310 45	−42.862 469 61	7.75	−70.15	−47.58	0.94	0.74	1.24	1.25	1.03	−10	−11	− 1	+ 6	+ 1	−20	− 3	−38	+16	−17	0	0.54
69796	14 17 05.34	−66 18 55.9	7.29	G	214.272 264 67	−66.315 515 03	22.05	−391.37	−221.49	0.46	0.55	0.79	0.51	0.65	+34	−22	− 3	− 8	+ 4	−16	+ 2	+ 4	+ 2	+41	0	−1.36
69797	14 17 05.57	−48 10 16.1	8.44	H	214.273 191 08	−48.171 139 47 A	8.06	−29.18	−24.36	5.15	7.26	6.78	5.49	8.75	−34	−28	+23	+ 0	+ 7	−27	+ 7	−33	+18	−36	35	3.70
69798	14 17 05.59	−05 44 21.7	7.34	H	214.273 292 49	−05.739 348 28	7.44	−109.34	18.37	1.07	0.60	1.12	1.12	0.75	−11	−44	−13	+40	− 7	+ 7	−15	+ 6	+23	0	1.15	
69799 T	14 17 06.22	−48 10 06.3	10.

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
69701	4.691	0.004	4.131	0.003		0.511	0.006	G	0.59	0.02	A	4.1854	0.0005	0.004	66		4.18	4.19		C			1							S
69702	11.456	0.095	9.378	0.024		1.720	0.078	T	1.75	0.08	L	9.3464	0.0022	0.021	90		9.30	9.39		C			1							
69703	10.650	0.038	9.365	0.021		1.093	0.034	T	1.05	0.04	L	9.4433	0.0015	0.017	115		9.42	9.47		C			1							
69704	7.838	0.006	6.620	0.004		1.041	0.006	T	1.01	0.01	L	6.6649	0.0007	0.007	135		6.65	6.68		C			1 G							S
69705	10.997	0.054	10.231	0.043		0.550	0.020	G	0.62	0.02	H	10.4026	0.0023	0.028	115		10.36	10.45		C			1							
69706	11.047	0.052	10.431	0.049		0.574	0.062	T	0.65	0.06	L	10.5006	0.0034	0.033	145		10.44	10.55		C			1							G
69707	9.169	0.015	8.344	0.012	*	0.747	0.015	G	0.79	0.01	H *	8.3846	0.0023	0.017	90	*	8.36	8.42		C	14161−3425	H 1	2 C S A	AB	221	0.157	0.007	0.67	0.31	S
69708	9.770	0.023	8.408	0.014		1.154	0.021	T	1.12	0.02	L	8.4420	0.0018	0.013	83		8.42	8.46		C			1							
69709	8.548	0.011	7.852	0.010		0.615	0.004	G	0.68	0.00	H	7.9131	0.0015	0.012	112		7.89	7.93		C			1							S
69710	9.399	0.016	8.093	0.010		1.110	0.015	T	1.07	0.02	L	8.1325	0.0019	0.015	114		8.11	8.15					1							S
69711	7.320	0.006	7.034	0.006	*	0.275	0.015	G	0.31	0.02	H *	7.1240	0.0008	0.008	115	*	7.11	7.14		D	14160+5641	I 2	2 C A	BC	138	5.844	0.007	2.72	0.04	S
69712	10.697	0.043	9.040	0.018		1.411	0.038	T	2.47	0.09	O	8.8554	0.0052	0.051	99		8.74	8.94		U 2			1							
69713	5.019	0.002	4.772	0.002		0.236	0.015	G	0.19	0.03	C	4.8082	0.0009	0.007	103		4.80	4.82		M	14162+5122	I 1	1							S P
69714	9.660	0.020	8.935	0.017		0.665	0.021	T	0.73	0.02	L	8.9935	0.0024	0.018	103		8.95	9.02					1							S
69715	8.164	0.011	7.675	0.009		0.460	0.013	T	0.53	0.01	L	7.7221	0.0015	0.012	86		7.70	7.74		C			1							S
69716	10.124	0.021	8.955	0.013		1.003	0.019	T	0.98	0.01	L	9.0035	0.0022	0.023	177		8.95	9.04		U			1							
69717	10.818	0.057	8.987	0.022		1.523	0.048	T	1.56	0.07	L	8.9828	0.0020	0.014	76		8.96	9.01		C			1							
69718	8.908	0.014	8.866	0.018		0.024	0.020	G	0.04	0.02	H	8.8760	0.0012	0.011	97		8.86	8.90					1							
69719	9.609	0.021	9.483	0.026		0.122	0.031	T	0.14	0.03	L	9.5312	0.0020	0.027	166		9.48	9.57					1							G
69720	9.282	0.014	8.882	0.015		0.391	0.017	T	0.46	0.02	L	8.9056	0.0016	0.017	150		8.88	8.94		C			1							
69721	9.039	0.012	8.577	0.012		0.435	0.016	T	0.50	0.02	L	8.6344	0.0015	0.014	128		8.61	8.66		C			1							S
69722	6.911	0.006	6.598	0.005		0.294	0.001	G	0.34	0.00	H	6.6416	0.0007	0.007	82		6.63	6.65					1							S
69723	7.955	0.014	7.712	0.017	*	0.232	0.021	T	0.26	0.03	L *	7.7853	0.0016	0.011	80	*	7.76	7.82		D	14163+0605	I 1	2 C A	AB	281	5.382	0.010	2.18	0.04	S
69724	9.841	0.027	9.003	0.021		0.735	0.003	G	0.78	0.00	H	9.0748	0.0023	0.016	66		9.04	9.10		C			1							
69725	9.135	0.011	8.981	0.013		0.148	0.016	T	0.16	0.02	L	8.9871	0.0021	0.028	190		8.94	9.04		U			1 S							
69726	9.461	0.018	8.159	0.011		1.107	0.016	T	1.07	0.02	L	8.1991	0.0017	0.015	109		8.18	8.23					1							S
69727	6.774	0.005	6.476	0.006		0.275	0.012	G	0.31	0.01	H	6.5140	0.0014	0.007	68		6.50	6.53					1 X							S
69728	11.498	0.087	10.617	0.061		0.770	0.082	T	0.81	0.06	L	10.8380	0.0044	0.045	122		10.77	10.91		C			1							G
69729	9.897	0.022	9.405	0.022		0.463	0.028	T	0.53	0.03	L	9.4546	0.0025	0.016	107		9.43	9.48		C			1							
69730	10.044	0.023	8.042	0.009		1.659	0.020	T	1.68	0.02	L	7.9248	0.0015	0.015	147		7.90	7.95					1							
69731	10.160	0.036	9.718	0.037		0.440	0.020	G	0.51	0.02	H	9.7830	0.0029	0.023	57		9.75	9.83		C			1							
69732	4.293	0.002	4.193	0.002		0.087	0.009	G	0.04	0.03	C	4.2074	0.0005	0.005	131		4.20	4.22					1							S
69733	8.830	0.008	7.955	0.006	*	0.781	0.007	T	0.82	0.01	L *	8.0070	0.0011	0.015	219	*	7.98	8.03		D	14164+3708	H 1	2 C A	AB	146	0.217	0.009	1.35	0.14	S
69734	7.836	0.010	7.854	0.010		−0.018	0.002	G	0.00	0.00	H	7.8554	0.0012	0.011	81		7.83	7.88		C			1							S
69735	6.819	0.004	6.422	0.003		0.376	0.005	T	0.44	0.01	L	6.4715	0.0009	0.009	136		6.46	6.48					1							S
69736	10.332	0.029	9.719	0.027	A						T *	9.7051	0.0039	0.033	130	*	9.66	9.77		U	14164−5225	I 1	2 C D	AB	357	4.516	0.058	2.32	0.38	G D
69737	10.388	0.040	9.086	0.023	*	1.100	0.015	G	1.06	0.02	H *	9.1114	0.0018	0.018	99	*	9.08	9.15		D	14164+2539	H 1	2 C B	AB	248	0.700	0.039	2.88	0.11	
69738	8.755	0.010	8.139	0.009		0.594	0.015	G	0.66	0.01	H	8.2002	0.0015	0.012	123		8.18	8.22					1							S
69739	9.954	0.019	8.107	0.009		1.536	0.017	T	1.59	0.04	L	8.0604	0.0021	0.014	116		8.04	8.08					1 G							
69740	9.890	0.018	8.722	0.012		1.002	0.017	T	0.98	0.01	L	8.7851	0.0029	0.025	134		8.74	8.82					1							S
69741	9.386	0.010	9.313	0.013		0.072	0.015	T	0.08	0.02	L	9.3562	0.0020	0.029	244		9.31	9.41					1 S							G
69742	10.659	0.029	9.748	0.021		0.808	0.027	T	0.85	0.03	L	9.7953	0.0027	0.029	161		9.74	9.86			14165+3333	I 1	1 S							
69743	8.906	0.016	8.412	0.015		0.465	0.020	T	0.54	0.02	L	8.4683	0.0018	0.016	93		8.44	8.49					1							S
69744	8.837	0.011	8.352	0.011		0.456	0.014	T	0.53	0.01	L	8.4215	0.0009	0.011	110		8.41	8.44		D			1							S
69745	11.182	0.041	9.478	0.016		1.423	0.035	T	1.41	0.06	L	9.4832	0.0021	0.027	191		9.43	9.53					1 S							
69746	10.431	0.042	9.527	0.030		1.042	0.015	G	1.01	0.01	H	9.5661	0.0026	0.016	70		9.54	9.60		C			1							
69747	6.143	0.004	6.140	0.005		−0.007	0.004	G	0.01	0.00	H	6.1559	0.0010	0.008	72		6.15	6.17		C			1							S
69748	8.369	0.010	7.008	0.005		1.153	0.009	T	1.12	0.01	L	7.0646	0.0008	0.008	116		7.05	7.08					1							S
69749	7.465	0.006	7.270	0.007		0.187	0.009	T	0.21	0.01	L	7.3100	0.0013	0.011	121		7.28	7.33		C	14165−5718	I 1	1							S
69750	9.022	0.021	8.908	0.026	A	0.103	0.030	T	0.12	0.03	L	8.9405	0.0359	0.042	78	A	8.88	9.02		D	14165−4317	I 2	1 C P D							D
69751	6.830	0.007	6.273	0.008	*	0.504	0.023	G	0.58	0.02	H *	6.3659	0.0009	0.007	96	*	6.36	6.38		D	14165+2007	I 1	2 C A	AB	157	4.425	0.005	2.15	0.02	S
69752	9.230	0.015	8.846	0.016		0.364	0.020	T	0.43	0.02	L	8.9229	0.0019	0.020	118		8.89	8.97					1							S
69753	7.923	0.007	6.838	0.005		0.938	0.007	T	0.93	0.01	L	6.8929	0.0008	0.010	162		6.88	6.91					1							S
69754	9.394	0.017	7.409	0.007		1.682	0.015	T	3.85	0.29	O	6.6869	0.1282	0.998	91		5.77	8.34	531.00	P 1 B	14166−5955	I 1	1 S							G P
69755											T	11.0021	0.1886			B				D	14165−4317	I 2	1 C F D							D
69756	8.831	0.014	8.373	0.013		0.438	0.015	G	0.51	0.02	H	8.4294	0.0014	0.016	79		8.40	8.45		C			1							S
69757	9.357	0.017	8.798	0.016		0.523	0.021	T	0.60	0.02	L	8.8811	0.0023	0.021	92		8.84	8.92		U			1							S
69758	8.178	0.011	7.900	0.011		0.264	0.015	T	0.30	0.02	L	7.9444	0.0015	0.009	50		7.93	7.96		C			1							S
69759	11.158	0.060	10.944	0.081		0.204	0.095	T	0.22	0.11	L	11.0900	0.0369	0.262	113		10.72	11.36	0.31	P 1 A			1							G P
69760	10.143	0.019	8.727	0.010		1.196	0.017	T	1.16	0.02	L	8.7749	0.0022	0.022	186		8.74	8.81					1							
69761	9.655	0.018	8.959	0.016	*	0.642	0.020	T	0.71	0.02	L *	9.0357	0.0024	0.023	129	*	9.00	9.08			14166−6207	H 1	2 C S C	AB	239	0.156	0.038	1.22	0.95	
69762	10.360	0.035	9.166	0.021		1.030	0.015	G	1.00	0.01	H	9.2180	0.0025	0.024	101		9.18	9.26					1							
69763	5.629	0.002	5.739	0.003		−0.095	0.003	T	0.00	0.03	C	5.7257	0.0006	0.007	190		5.71	5.74		C	14166−6635	I 1	1							S
69764	10.089	0.030	9.274	0.023		0.720	0.029	T	0.77	0.02	L	9.3852	0.0023	0.016	88		9.36	9.41					1							
69765	11.219	0.056	10.024	0.030		1.016	0.051	T	1.06	0.06	L	10.1411	0.0037	0.037	131		10.06	10.19					1							
69766	8.913	0.012	7.672	0.008		1.059	0.011	T	1.03	0.01	L	7.7096	0.0016	0.013	112		7.68	7.73		C			1							
69767						1.300	0.020	G	1.49	0.03	I	11.1774	0.0052	0.046	115		11.12	11.26					1 X							G
69768	9.656	0.017	8.321	0.010		1.140	0.015	G	1.10	0.02	H	8.3686	0.0017	0.021	167		8.33	8.41					1							S
69769	9.600	0.024	9.104	0.023		0.424	0.020	G	0.49	0.02	H	9.2206	0.0022	0.016	66		9.19	9.24		C			1							
69770	11.333	0.083	10.477	0.058		0.722	0.003	G	0.77	0.00	H	10.5073	0.0031	0.025	78		10.46	10.53		C			1							G
69771	9.723	0.021	8.630	0.014		0.944	0.019	T	0.93	0.01	L	8.7168	0.0017	0.013	85		8.69	8.74		C			1							
69772	8.201	0.008	7.888	0.011		0.291	0.015	G	0.33	0.02	H	7.9253	0.0012	0.011	111		7.91	7.95		C			1							S
69773	8.038	0.009	6.602	0.006		1.212	0.008	T	1.17	0.01	L	6.6359	0.0011	0.008	64		6.63	6.65		C			1							S
69774	10.165	0.036	9.542	0.032		0.576	0.036	T	0.65	0.03	L	9.6209	0.0032	0.023	66		9.58	9.65		C			1							
69775	7.276	0.006	6.916	0.007		0.341	0.009	T	0.40	0.01	L	6.9585	0.0015	0.008	74		6.95	6.97		C			1							S
69776	9.806	0.024	9.173	0.021		0.588	0.028	T	0.66	0.03	L	9.2328	0.0024	0.022	90		9.20	9.28					1							
69777	10.682	0.050	9.381	0.028		1.106	0.045	T	1.07	0.05	L	9.3665	0.0021	0.016	67		9.34	9.39		C			1							
69778	8.275	0.008	6.632	0.005		1.375	0.007	T	1.35	0.01	L	6.6310	0.0010	0.011	134		6.61	6.65					1							S
69779	7.899	0.019	7.484	0.018		0.406	0.022	T	0.47	0.02	L	7.5279	0.0289	0.180	115		7.40	7.81	0.61	P 1 A			1							S
69780	9.332	0.014	8.722	0.013		0.573	0.002	G	0.65	0.00	H	8.7848	0.0015	0.015	133		8.76	8.81		C			1							
69781	9.489	0.018	8.766	0.015		0.650	0.018	T	0.71	0.02	L	8.8051	0.0024	0.020	108		8.78	8.86	4.28	P 1 A			1							P
69782											T	9.7893	0.0018	0.021	111		9.76	9.82		D	14170+2412	I 1	S							G
69783	9.605	0.021	8.710	0.016		0.782	0.004	G	0.82	0.00	H	8.7859	0.0019	0.018	87		8.76	8.82		C			1 S							S
69784	10.683	0.042	10.689	0.066		0.050	0.015	G	0.06	0.01	H	10.7472	0.0045	0.034	109		10.67	10.80		C			1							G
69785	9.629	0.022	9.112	0.022		0.486	0.028	T	0.56	0.03	L	9.1538	0.0020	0.015	111		9.13	9.18					1							
69786	11.196	0.056	10.334	0.040		0.771	0.052	T	0.81	0.04	L	10.4396	0.0020	0.030	130		10.39	10.49		D			1							
69787	11.801	0.116	10.733	0.077		0.925	0.106	T	0.92	0.08	L	10.7275	0.0055	0.059	152		10.61	10.82					1 S							G
69788	11.689	0.126	10.380	0.061		1.112	0.109	T	1.07	0.11	L	10.7721	0.0071	0.063	84		10.60	10.85		U 2			1 S							G P
69789	9.973	0.029	8.027	0.012		1.614	0.025	T	1.64	0.03	L	7.9112	0.0023	0.017	72		7.88	7.94		U			1							S
69790	9.297	0.017	8.614	0.015	*	0.631	0.019	T	0.70	0.02	L *	8.6160	0.0018	0.016	113	*	8.59	8.64		D	14171+5100	I 1	2 C A	AB	104	0.637	0.004	1.00	0.02	S
69791	9.773	0.024	9.239	0.022		0.509	0.024	T	0.58	0.03	L	9.3286	0.0025	0.021	84		9.29	9.36		C			1							
69792	7.473	0.007	6.329	0.004	*	0.985	0.006	G	0.97	0.01	H *	6.3785	0.0006	0.004	84	*	6.37	6.39		D	14171−1835	H 1	2 C C	AB	99	0.692	0.037	4.11	0.16	S
69793	7.920	0.006	7.093	0.005		0.745	0.006	T	0.79	0.00	L	7.1458	0.0007	0.008	116		7.13	7.16			14171+5433	I 1	1							S
69794	9.987	0.021	8.712	0.013		1.086	0.019	T	1.05	0.02	L	8.7692	0.0015	0.015	132		8.74	8.80					1							
69795	9.289	0.018	8.615	0.015		0.613	0.018	T	0.68	0.02	L	8.6386	0.0012	0.011	83		8.62	8.66					1							
69796	7.983	0.012	7.366	0.010		0.590	0.005	G	0.66	0.01	H	7.4066	0.0008	0.012	196		7.39	7.43					1							S
69797	8.900	0.010	8.453	0.010	A	0.435	0.011	T	0.50	0.01	L	8.5345	0.0164	0.026	137	A	8.50	8.60		D	14171−4810	I 2	1 C P D							D
69798	8.697	0.016	7.456	0.010		1.059	0.015	T	1.03	0.01	L	7.5071	0.0011	0.009	74		7.49	7.53					1							S
69799						0.405	0.107	G	0.47	0.12	R	10.2891	0.0814			B				D	14171−4810	I 2	1 C L D							D
69800	9.819	0.031	9.394	0.032		0.409	0.020	G	0.48	0.02	H	9.4131	0.0020	0.015	58		9.39	9.44		C			1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)												Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr													%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
69801	14 17 07.38	−14 01 00.1	9.38	H	214.280 753 84	−14.016 694 28		2.74	1.77	−9.77	1.37	0.96	1.58	1.96	1.36	−13	−18	−25	+ 7	+ 3	+16	+ 3	−30	+21	−16		0	0.26
69802	14 17 09.44	−46 54 38.4	7.14	1 H	214.289 319 93	−46.910 671 77		1.06	−11.51	−0.41	0.68	0.59	0.93	0.72	0.77	− 8	−33	− 1	− 1	+12	+10	+ 5	−29	+ 8	−16		0	1.64
69803	14 17 09.82	−68 24 25.4	8.43	H	214.290 904 65	−68.407 068 28		3.78	−12.29	−9.12	0.58	0.63	0.91	0.60	0.68	+28	−17	+ 2	+12	+ 8	−15	+ 8	+13	+ 2	+34		0	−0.85
69804	14 17 09.97	+06 45 09.6	8.56	G	214.291 551 69	+06.752 672 10		10.30	−10.46	35.18	0.98	0.91	1.31	1.01	1.01	−30	−33	−31	− 6	+ 6	+ 8	+ 0	−32	+17	−51		0	0.96
69805	14 17 10.68	+43 33 18.7	7.96	H	214.294 488 37	+43.555 196 27		3.13	15.26	−13.35	0.49	0.66	0.75	0.61	0.68	+23	+ 7	−20	−18	−11	−10	−14	−33	+10	+ 8		0	3.27
69806	14 17 10.76	+04 47 01.0	9.00	H	214.294 818 27	+04.783 619 10		1.93	−3.71	−3.56	1.00	0.92	1.44	1.02	1.02	−21	−22	−46	−19	+ 0	+12	− 4	−33	+34	−43		0	1.38
69807	14 17 10.76	+13 24 15.2	9.48	H	214.294 828 73	+13.404 234 64		3.48	7.16	4.00	0.94	0.86	1.31	1.30	1.07	−43	−11	− 8	+15	+35	−34	+21	−27	+17	−65		0	0.13
69808	14 17 11.09	+71 30 40.2	9.03	H	214.296 200 84	+71.511 160 73		1.52	−3.07	2.43	0.84	0.77	0.88	0.89	0.86	+ 2	+16	−20	−25	+ 5	−11	+ 3	+22	−10	+ 1		0	0.95
69809	14 17 12.07	+42 12 29.4	8.73	H	214.300 295 54	+42.208 179 53		2.50	−21.58	9.72	0.69	0.93	1.09	0.82	0.94	+ 4	+23	−12	+ 2	− 3	− 5	− 7	−34	+ 4	− 6		0	1.04
69810	14 17 12.51	−21 47 12.8	8.13	H	214.302 121 21	−21.786 897 63		3.41	−66.54	5.19	0.90	0.61	1.00	1.19	0.76	−17	− 7	− 9	+15	− 7	+ 9	− 3	−13	−11	−12		0	−0.29
69811	14 17 14.39	+63 48 25.4	8.35	H	214.309 944 37	+63.807 058 16		11.98	39.45	10.32	0.61	0.65	0.73	0.68	0.76	+17	−25	−28	− 8	−11	− 7	−15	− 6	+ 7	− 4		0	−1.60
69812	14 17 15.66	−37 56 55.4	8.39	H	214.315 238 19	−37.948 731 48		8.22	−51.40	−8.37	1.01	0.69	1.19	0.99	0.94	+ 3	−28	−14	−30	−13	− 7	−15	− 9	− 3	−19		0	2.56
69813	14 17 17.69	−63 08 17.9	8.42	H	214.323 711 55	−63.138 310 35		2.68	−2.61	−3.27	0.58	0.80	1.17	0.64	0.84	+23	−15	+ 5	+48	+17	−16	+20	+15	+ 8	+34		0	−0.31
69814	14 17 18.67	+10 35 03.7	9.80	H	214.327 796 49	+10.584 349 75		2.90	−26.01	1.01	1.20	0.90	1.55	1.36	1.02	−31	−16	− 4	− 1	+ 1	+12	+10	+26	−16	−57		0	1.75
69815	14 17 19.09	+33 53 34.8	8.78	G	214.329 533 86	+33.893 003 64		11.82	78.87	−155.38	0.70	0.70	1.13	0.97	0.87	+19	− 8	−25	+16	+12	−10	+ 7	+ 4	− 7	− 3		0	−0.55
69816	14 17 19.90	+66 47 39.1	8.99	3 H	214.332 937 31	+66.794 205 34		3.51	−1.70	6.83	0.71	0.81	0.87	0.80	0.92	− 3	−24	−17	−14	+ 3	−17	− 1	−20	+ 6	−32		1	−0.07
69817	14 17 20.71	−04 15 57.9	8.69	H	214.336 300 32	−04.266 077 33		4.22	7.30	6.78	1.23	0.73	1.31	1.34	0.86	−18	−22	−18	+42	+ 3	+ 9	+ 0	−18	+15	−23		0	0.14
*69818	14 17 21.16	+51 18 26.6	6.19	H	214.338 173 09	+51.307 392 13		9.84	−23.60	−8.04	0.46	0.49	0.59	0.58	0.54	+13	− 4	+10	+14	−12	− 7	−12	−15	−21	− 1		3	0.45
*69819 H	14 17 21.14	+32 44 46.0	11.37	G	214.338 091 73	+32.746 113 25	A	10.17	−68.89	35.34	9.65	11.50	15.54	10.79	11.13	+ 6	+15	+16	− 5	− 4	−10	− 1	−10	+ 6	− 2		0	3.36
69820	14 17 21.53	+10 34 55.1	10.18	H	214.339 710 59	+10.581 971 24		−0.93	−13.87	−4.59	1.36	1.06	1.79	1.56	1.19	−35	−18	− 3	− 9	+ 3	+10	+13	+21	−14	−58		0	0.80
69821 H	14 17 22.48	−17 45 18.0	9.24	H	214.343 668 92	−17.755 012 27	A	12.79	−94.05	−91.69	1.87	1.62	2.03	2.29	1.72	−23	+ 1	−31	−10	− 2	+ 3	+13	−55	+37	+12		1	−0.37
*69822	14 17 22.65	+40 22 25.4	8.93	H	214.344 370 90	+40.373 712 50		10.95	−60.42	34.78	0.74	0.87	1.25	0.82	0.90	+16	− 6	−25	− 6	−15	+16	−12	− 9	+ 5	+11		2	−0.06
*69823	14 17 22.64	−09 01 21.9	6.62	H	214.344 340 60	−09.022 748 94		3.94	−13.09	−3.69	0.80	0.60	0.89	0.86	0.71	−19	−23	−19	+23	−17	+14	−12	+13	−12	−23		5	2.55
69824	14 17 24.35	+45 26 40.3	10.19	H	214.351 438 60	+45.444 521 03		53.64	45.54	−15.59	0.91	1.03	1.33	1.15	1.07	+17	+ 0	−17	−14	−24	−17	− 5	−17	− 3			0	0.71
69825	14 17 25.52	−55 45 54.5	6.62	H	214.356 333 00	−55.765 147 37		−0.17	−5.19	−1.55	0.48	0.42	0.64	0.58	0.47	+ 3	−20	+ 3	+27	+ 2	+ 1	− 1	+34	+14	+27		0	0.07
69826	14 17 26.03	+12 34 03.9	10.57	2 H	214.358 456 28	+12.567 744 69		3.44	5.45	−48.79	1.34	1.25	1.90	1.77	1.46	−49	+ 0	−14	+ 8	+24	−25	+15	− 9	+ 5	−64		0	1.71
69827	14 17 26.85	+66 16 44.9	9.38	H	214.361 888 15	+66.279 126 39		5.33	9.18	−10.13	0.78	0.90	0.95	0.86	1.02	+ 0	−10	−13	− 5	−10	−15	−11	+ 5	+ 9	−20		0	1.26
69828	14 17 27.72	−19 57 49.3	6.95	1 H	214.365 508 30	−19.963 708 11		12.49	−84.44	−26.95	0.86	0.52	0.91	1.09	0.62	−23	+ 2	−12	+40	−20	+36	−15	− 3	+ 3	−15		0	0.85
69829	14 17 28.44	+15 15 48.1	5.84	1 H	214.368 510 90	+15.263 360 94		3.22	15.33	7.73	0.55	0.48	0.76	0.57	0.50	−29	−12	−13	+27	+ 1	− 8	+ 0	+13	−11	−39		0	1.53
69830	14 17 29.26	−41 06 32.9	8.79	H	214.371 911 26	−41.109 131 29		1.99	−3.33	−7.67	0.93	0.72	1.31	0.92	0.93	− 3	−44	−33	+16	+ 2	− 8	−18	−24	+36	−29		0	0.66
69831	14 17 29.91	+17 22 21.2	9.19	H	214.374 641 52	+17.372 566 95		3.63	30.31	−14.65	0.89	0.82	1.25	0.98	0.84	−22	−10	−30	+27	− 1	− 4	− 1	+26	−23	−29		0	1.50
69832	14 17 30.65	−34 45 04.7	8.70	H	214.377 694 73	−34.751 318 30		7.63	6.82	−73.24	0.94	0.72	1.17	1.28	0.95	−12	−16	−18	+ 6	− 9	+14	− 5	−17	− 6	−15		0	0.73
69833	14 17 31.30	+31 35 06.1	9.24	H	214.380 415 59	+31.585 039 66		0.88	−8.46	−5.31	0.72	0.85	1.30	1.24	0.90	− 8	+ 0	+ 9	+29	+12	− 7	+ 7	+ 7	−22	− 3		1	0.99
69834	14 17 31.82	−83 32 52.1	8.97	H	214.382 590 75	−83.547 798 53		1.73	−49.21	−5.71	0.73	0.70	0.86	0.76	0.70	+ 9	−18	+14	− 6	+ 5	+ 5	+ 0	+11	+12	+24		0	0.07
69835	14 17 32.40	−42 10 19.3	9.69	H	214.385 005 00	−42.172 030 44		4.58	−31.91	−25.12	1.18	1.04	1.68	1.39	1.56	−10	−25	−29	+ 5	+ 5	− 9	−12	−30	+35	−38		0	−0.72
69836	14 17 32.77	+16 42 00.0	10.04	H	214.386 544 61	+16.699 996 21		4.38	−0.75	−22.50	1.12	0.98	1.61	1.11	0.98	−26	+ 2	−27	+ 9	+ 5	+ 0	+ 4	+ 5	−14	−35		0	2.10
69837	14 17 32.81	−46 52 38.7	9.43	H	214.386 704 40	−46.877 421 05		1.20	−21.13	−3.86	0.93	0.75	1.20	0.96	1.05	− 2	−35	− 2	+ 2	+ 2	− 2	− 7	− 8	+25	− 4		0	0.47
69838	14 17 33.40	−26 57 30.6	7.26	H	214.389 162 02	−26.958 499 67		17.85	−131.86	6.46	0.76	0.63	1.12	0.89	0.85	−22	−21	−37	+ 3	+ 5	+13	+ 5	−57	+54	− 6		0	0.07
69839	14 17 34.07	+70 21 30.4	9.52	H	214.391 944 54	+70.358 457 91		4.97	−94.23	33.87	0.88	0.99	1.02	1.01	1.05	+ 6	−20	−31	+ 7	−21	+ 2	−12	+42	−17	−16		0	−0.53
69840	14 17 35.32	−36 35 57.5	9.17	H	214.397 163 62	−36.599 292 39		1.32	−9.46	0.60	1.10	0.95	1.46	1.31	1.16	−32	−18	−12	+ 9	+16	+26	+17	−45	+ 1	−38		0	0.58
69841	14 17 36.90	+11 20 06.9	7.60	H	214.403 747 60	+11.335 253 30		2.79	−42.63	−7.00	0.75	0.56	0.92	0.81	0.62	−34	−13	+ 4	+10	− 3	+ 7	+ 7	+32	−20	−60		0	−1.17
69842	14 17 37.93	−20 45 29.0	8.82	H	214.408 053 29	−20.758 066 87	A	−3.01	−20.69	0.81	4.30	3.21	3.83	5.05	4.16	− 3	−24	+ 4	−13	−26	− 7	−27	−33	+ 8	+ 2		6	1.46
69843	14 17 38.99	−29 28 02.4	9.58	G	214.412 444 43	−29.467 331 20		−3.19	−12.55	−10.09	1.26	1.09	1.70	1.74	1.58	−29	−17	−20	−11	+ 7	− 8	+ 3	−49	+28	−29		0	0.40
69844	14 17 39.19	−20 45 21.5	10.27	H	214.413 304 00	−20.755 966 04	B	−11.81	−6.79	−1.96	30.96	15.55	11.00	15.16	9.36	−10	−24	+ 6	− 1	−30	− 9	−30	−20	+ 9	+ 4		6	1.46
69845	14 17 39.23	−40 51 42.1	7.87	H	214.413 464 09	−40.861 680 67		4.23	−19.77	−17.90	0.74	0.57	0.99	0.79	0.70	− 8	−33	−18	+25	+ 5	+ 3	− 7	−23	+35	−16		2	2.17
69846	14 17 41.10	−24 33 18.9	8.29	H	214.421 234 09	−24.555 243 15		2.07	−18.55	−6.81	0.96	0.71	1.22	1.19	1.00	−30	−28	−13	+ 6	+ 7	+17	+ 1	−44	+22	−32		0	1.08
69847	14 17 41.34	−60 47 19.0	8.98	2 H	214.422 246 18	−60.788 616 93		1.31	−3.03	−4.01	1.00	0.95	1.30	1.07	1.20	+12	−36	−10	+27	+ 7	− 1	+ 6	+28	+ 2	+11		0	1.33
69848	14 17 41.82	−21 49 43.8	7.34	1 H	214.424 258 97	−21.828 833 40		5.80	−67.75	−5.35	0.76	0.55	0.89	1.02	0.67	−31	−11	− 5	+17	−14	+12	− 8	− 5	−13	−20		0	−1.64
69849 H	14 17 42.67	−44 03 09.2	9.54	H	214.427 772 25	−44.052 545 63	A	1.60	−27.45	−13.53	2.44	2.19	2.70	1.97	2.05	+ 1	−38	−14	− 4	+ 0	−22	−18	−28	+21	−22		1	−0.61
69850	14 17 43.28	−76 05 17.8	7.28	2 H	214.430 336 26	−76.088 281 10		3.05	2.65	−5.96	0.51	0.59	0.73	0.60	0.69	+11	−15	+24	− 3	+ 7	− 8	+ 6	+ 5	+ 7	+37		2	−0.35
69851	14 17 43.28	+03 43 58.6	8.11	H	214.430 348 34	+03.732 931 43		7.58	−44.68	3.67	0.94	0.75	1.16	1.05	0.86	−39	+ 5	−20	+ 5	− 6	+13	− 6	−18	+13	−46		0	1.47
69852 H	14 17 43.89	+76 47 47.2	9.39	H	214.432 878 02	+76.796 447 95	A	6.95	5.24	−47.35	1.59	1.54	1.58	1.37	1.83	+ 1	− 7	− 3	−29	+ 1	− 1	+ 6	+ 4	+ 5	−13		2	0.67
69853	14 17 44.42	+44 44 13.2	9.13	H	214.435 062 88	+44.737 011 63		9.07	39.99	−41.61	0.73	0.84	1.05	0.86	0.80	+40	−23	−37	−24	−30	+16	−20	−13	− 9	+20		0	1.63
69854	14 17 45.23	+16 03 26.6	9.73	H	214.438 463 40	+16.057 386 41		7.84	−13.62	−14.83	0.95	0.91	1.29	0.99	0.96	−33	− 3	−12	+20	+12	+ 8	+13	+ 0	− 5	−35		0	0.40
69855	14 17 45.77	+68 45 07.0	7.53	H	214.440 707 44	+68.751 955 49		14.28	−42.21	27.42	0.51	0.58	0.61	0.54	0.67	− 7	− 1	−27	+ 1	+ 2	− 3	+ 3	+14	− 2	−14		0	1.91
69856	14 17 46.26	+51 51 27.7	7.00	H	214.442 734 15	+51.857 705 14		7.54	−33.62	75.02	0.52	0.53	0.66	0.63	0.58	+16	−20	−16	− 1	−14	− 1	−11	− 2	− 6	−15		1	−0.12
69857	14 17 46.76	+33 15 18.2	7.56	H	214.444 847 63	+33.255 056 52		9.38	−63.60	31.54	0.53	0.53	0.84	0.79	0.63	+ 6	− 6	−13	+22	+ 4	− 9	+ 2	+16	−18	− 8		0	0.65
69858	14 17 47.33	+62 45 27.6	8.43	H	214.447 207 12	+62.757 653 27		6.70	−120.54	109.18	0.58	0.67	0.72	0.66	0.77	+17	−20	−20	− 4	+ 4	− 2	+ 1	− 1	+13	+ 6		1	1.03
*69859	14 17 47.89	+55 25 31.3	6.88	G	214.449 527 19	+55.425 373 78		6.85	14.85	−5.50	0.52	0.53	0.62	0.61	0.63	+14	+ 0	−17	−18	−16	− 4	−15	− 2	+ 5	− 5		0	−0.31
*69860	14 17 47.88	+21 26 03.1	11.58	H	214.449 514 41	+21.434 193 26		22.77	−70.11	−172.87	2.53	2.14	3.11	3.19	2.19	−23	− 4	−23	+ 7	+21	−24	+13	−12	+ 4	−29		4	0.53
69861	14 17 49.15	−16 01 32.9	9.21	H	214.454 797 25	−16.025 793 70		8.65	13.19	−53.47	1.46	0.87	1.68	1.68	1.35	+ 3	−46	−27	+28	+ 5	− 6	−19	−21	+46	−16		0	0.64
69862	14 17 49.21	+48 00 07.5	6.32	H	214.455 041 17	+48.002 096 28		14.10	−12.33	−38.10	0.46	0.46	0.59	0.51	0.45	+ 9	− 6	+ 0	−16	− 7	+ 1	− 6	−17	− 5	−11		0	0.24
69863	14 17 49.26	−31 01 55.5	8.93	H	214.455 250 42	−31.032 093 34		9.48	−96.63	6.29	0.98	0.76	1.24	1.24	1.04	−15	−10	−23	−15	+ 1	+ 5	+ 3	−52	+28	− 6		0	0.60
69864	14 17 49.73	+27 34 19.5	9.25	H	214.457 217 84	+27.572 096 31		1.60	3.08	−9.18	0.82	0.85	1.18	1.05	0.93	−11	+10	−10	− 1	−21	−14	−19	+ 8	−11	−31		0	1.04
69865	14 17 50.02	+13 54 14.3	8.10	H	214.458 434 08	+13.903 981 42		1.04	3.39	−12.56	0.84	0.72	1.30	1.12	0.80	−31	−17	−28	+30	+33	−47	+ 9	−21	+23	−60		0	0.25
69866	14 17 50.30	−01 04 44.6	10.45	H	214.459 578 52	−01.079 059 16		6.21	−25.08	−29.53	1.79	1.10	2.10	2.22	1.33	−24	−32	+ 6	+ 9	+ 1	−23	− 5	−28	+27	−25		0	1.09
69867	14 17 51.62	−68 02 48.3	7.54	2 H	214.465 085 28	−68.046 755 79		13.93	−114.61	−108.44	0.49	0.62	0.82	0.55	0.67	+31	− 7	+ 9	+19	+16	−10	+15	+30	+ 5	+37		2	−0.73
69868	14 17 51.81	−63 24 48.0	7.29	H	214.465 880 77	−63.413 341 52		4.50	−25.12	−13.59	0.40	0.60	0.83	0.47	0.66	+23	−10	+ 4	+33	+19	− 8	+20	+12	+12	+35		1	0.65
69869	14 17 52.40	−29 05 56.3	8.76	H	214.468 334 67	−29.098 979 65		0.54	−9.66	−2.80	1.19	1.05	1.48	1.55	1.55	−35	− 2	− 7	−13	+29	− 5	+25	−66	+12	−41		0	−0.94
69870 H	14 17 52.84	+69 14 03.3	8.16	G	214.470 147 17	+69.234 263 85	A	6.10	10.81	11.60	2.15	1.65	1.44	1.87	1.42	− 3	− 1	− 8	+27	− 4	+11	− 3	+18	−16	−19		2	−0.22
69871	14 17 53.09	−42 35 28.4	7.03	G	214.471 191 07	−42.591 208 40		2.49	−20.07	−9.53	0.69	0.56	0.96	0.94	0.82	− 8	−14	−21	+13	+ 5	−29	−10	−39	+34	−28		0	−0.36
69872	14 17 54.51	−52 35 55.7	8.65	H	214.477 140 95	−52.598 792 40		14.66	25.73	−55.31	0.70	0.77	1.09	0.83	1.03	−33	−28	+10	+ 4	+ 8	−22	+11	−16	+ 4	−20		0	0.76
69873	14 17 55.72	+55 12 11.0	9.75	H	214.482 185 27	+55.203 057 60		9.47	−86.51	−19.08	0.98	1.00	1.16	1.18	1.20	+12	+ 1	− 9	−19	−13	− 3	− 8	− 1	+10	−12		2	−1.87
69874	14 17 56.22	+14 53 44.3	9.52	H	214.484 242 01	+14.895 647 97		3.48	−43.61	19.19	1.03	0.84	1.51	1.11	0.85	−17	−26	−31	+36	+20	−31	+ 8	− 4	− 4	−37		2	1.38
69875	14 17 57.08	−05 58 17.4	7.77	H	214.487 820 31	−05.971 495 20		2.47	−17.97	13.95	0.97	0.65	1.05	0.99	0.78	−12	−32	−21	+27	− 7	+ 2	−12	− 2	+ 4	−32		0	0.69
69876	14 17 58.01	+39 54 45.4	7.49	H	214.491 695 11	+39.912 620 22		4.93	−37.33	22.20	0.49	0.59	0.77	0.58	0.65	+12	+ 0	−13	− 9	−12	+ 9	−10	+21	− 6	+ 9		0	1.22
69877	14 17 58.49	−07 57 59.7	7.01	H	214.493 693 34	−07.966 594 34		3.75	−23.15	−23.70	0.94	0.60	0.97	1.09	0.72	−10	−19	−16	+41	+ 3	+13	+ 8	−19	+13	− 2		3	1.47
69878	14 17 59.18	+37 39 30.1	8.13	H	214.496 565 44	+37.658 364 93		4.91	−7.94	10.71	0.47	0.61	0.90	0.56	0.73	+24	+ 4	− 7	+ 8	− 1	− 3	− 1	+16	+ 6	+22		1	−0.13
69879	14 17 59.82	+35 30 34.1	4.80	1 H	214.499 233 73	+35.509 470 85	+	14.63	4.92	14.18	0.79	0.64	0.69	0.51	0.54	+47	+ 7	− 5	−40	−11	−22	− 5	−11	+12	−14		0	0.21
69880	14 17 59.98	+23 36 31.2	9.42	H	214.499 900 17	+23.608 668 09		2.32	−4.33	−13.45	1.17	0.94	1.44	1.47	1.04	−10	−24	−27	+32	− 6	+ 4	+ 2	+32	−34	−19		0	−0.72
69881	14 18 00.57	−07 32 30.5	6.47	G	214.502 372 62	−07.541 816 72		30.47	267.04	−234.99	0.91	0.55	1.00	1.01	0.71	− 4	−34	−11	+28	− 2	+23	− 8	−11	+21	− 7		3	2.30
69882	14 18 05.25	−14 54 43.2	8.58	G	214.521 854 69	−14.911 993 06		8.69	−105.33	−32.78	1.27	0.86	1.27	1.58	1.27	−19	−16	−15	+47	+22	− 6	+ 4	−34	+29	−42		0	−0.90
69883	14 18 05.61	−57 10 25.5	8.07	H	214.523 393 51	−57.173 759 06		1.59	−5.88	−4.02	0.71	0.57	0.93	0.85	0.68	+ 9	−25	+ 7	+34	+15	− 2	+12	+27	+20	+36		0	0.82
69884	14 18 06.51	+01 08 45.2	8.44	H	214.527 105 80	+01.145 884 67		13.86	37.85	55.40	1.17	0.74	1.10	1.27	0.75	+28	−26	−35	−57	−58	+36	−48	−25	+10	+ 5		0	1.60
69885	14 18 07.33	+36 02 57.0	10.92	H	214.530 560 96	+36.049 154 06		8.08	−88.96	21.87	1.22	1.34	2.01	1.49	1.62	+15	+ 5	− 9	−33	+ 3	−15	+ 5	−15	+10	− 1		0	2.44
69886	14 18 08.15	+26 47 44.0	8.20	H	214.533 948 96	+26.795 544 35		13.00	5.60	−57.65	0.83	0.66	1.02	0.91	0.68	− 9	− 6	+ 5	−11	−16	−18	− 8	+14	−17	−23		0	2.02
69887	14 18 09.29	−63 48 42.3	8.65	H	214.538 707 02	−63.811 755 87		7.01	−32.64	−9.75	0.68	0.88	1.28	0.85	1.08	+30	−13	+14	+46	+21	+ 4	+22	+26	+24	+51		0	1.24
69888	14 18 09.33	+38 58 01.3	8.21	H	214.538 871 48	+38.967 017 22		5.94	−13.44	−16.38	0.57	0.71	0.95	0.70	0.80	+11	− 8	−17	+13	−14	+15	−10	+20	− 4	− 5		0	0.34
69889	14 18 09.94	−38 53 04.1	7.79	H	214.541 397 49	−38.884 472 63		1.87	−31.13	−12.80	0.83	0.61	1.01	0.87	0.78	−16	−32	− 7	− 7	− 5	+ 7	− 9	−11	+ 8	−26		0	−0.31
69890	14 18 10.57	−25 23 16.9	9.20	H	214.544 039 59	−25.388 039 95		2.70	−14.72	−3.91	1.01	0.86	1.32	1.37	1.34	−41	−20	−10	+ 1	+17	− 2	+ 9	−15	+27	−47		0	−0.72
69891	14 18 11.01	+39 57 11.7	9.29	H	214.545 879 82	+39.953 257 90		−0.72	−13.68	20.06	0.78	0.94	1.32	0.92	1.00	+ 7	+ 3	−21	− 2	−13	+ 4	−11	+12	−12	+ 6		0	0.93
69892	14 18 11.95	−51 30 13.9	8.54	H	214.549 781 20	−51.503 861 57		1.52	−9.03	4.87	0.67	0.66	1.06	0.86	1.03	−30	−24	+ 8	+ 3	+ 2	− 9	+ 3	−12	+ 9	− 8		0	3.49
*69893 H	14 18 12.29	+12 44 31.7	10.57	G	214.551 188 25	+12.742 143 51	A	14.24	−53.00	−281.17	2.15	1.95	2.92	2.59	2.08	−53	− 8	−16	+ 7	+33	−34	+22	−23	+14	−65		2	−0.18
*69894 H	14 18 12.20	−27 31 16.1	8.32	2 H	214.550 836 30	−27.521 144 25	A	8.22	−30.74	−7.68	4.03	2.48	2.88	2.85	2.20	−41	+ 9	−18	−31	− 7	−26	− 4	−43	+24	+10		1	2.82
69895 H	14 18 13.23	−62 51 58.5	8.22	H	214.555 135 00	−62.866 251 87	*	4.12	14.92	4.08	0.53	0.74	1.11	0.60	0.80	+15	−22	+ 4	+29	+13	−22	+19	+ 0	− 7	+34		0	0.61
69896	14 18 13.97	−81 00 27.4	4.89	H	214.558 210 47	−81.007 601 47		23.36	−19.95	−65.39	0.39	0.42	0.50	0.40	0.49	+ 5	−18	+ 0	− 9	+ 1	+ 1	− 1	+ 2	+12	+ 6		0	−0.15
69897	14 18 18.39	−43 14 33.1	9.28	H	214.576 615 94	−43.242 522 93	

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				CCDM	Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days			Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
69801	9.973	0.035	9.428	0.032		0.482	0.020	G	0.55	0.02	H	9.4853	0.0024	0.019	59		9.44	9.53		C			1							
69802	9.252	0.015	7.341	0.007		1.587	0.013	T	1.61	0.01	L	7.2555	0.0017	0.016	106		7.23	7.28		U 2			1 G							S
69803	8.378	0.008	8.427	0.011		−0.040	0.012	T	−0.02	0.01	L	8.4256	0.0021	0.019	168		8.39	8.46					1							
69804	9.108	0.014	8.607	0.014		0.500	0.015	G	0.57	0.02	H	8.6643	0.0018	0.011	81		8.65	8.69		C			1							S
69805	9.749	0.018	8.104	0.009		1.376	0.016	T	1.35	0.02	L	8.1097	0.0011	0.013	126		8.08	8.14					1							S
69806	10.110	0.028	9.097	0.020		0.884	0.026	T	0.89	0.02	L	9.1580	0.0018	0.015	71		9.13	9.18		C			1							
69807	10.041	0.024	9.546	0.023		0.466	0.030	T	0.54	0.03	L	9.5836	0.0015	0.017	125		9.56	9.61		C			1							
69808	10.311	0.028	9.150	0.018		0.997	0.026	T	0.98	0.02	L	9.1991	0.0018	0.020	103		9.16	9.25		C			1							
69809	9.899	0.020	8.833	0.014		0.924	0.019	T	0.92	0.01	L	8.8864	0.0024	0.021	119		8.85	8.92		C			1 S							
69810	9.428	0.018	8.257	0.012		1.004	0.017	T	0.98	0.01	L	8.2926	0.0013	0.012	77		8.27	8.32		C			1							
69811	8.940	0.014	8.396	0.013		0.510	0.017	T	0.58	0.02	L	8.4586	0.0016	0.015	115		8.43	8.49					1							S
69812	8.888	0.014	8.448	0.014		0.415	0.018	T	0.48	0.02	L	8.4852	0.0021	0.016	69		8.46	8.52		C			1							
69813	10.014	0.018	8.624	0.010		1.176	0.016	T	1.14	0.01	L	8.5905	0.0016	0.020	201		8.56	8.62					1							
69814	10.251	0.029	9.790	0.030		0.435	0.038	T	0.50	0.04	L	9.8954	0.0020	0.018	107		9.86	9.93					1							
69815	9.469	0.012	8.836	0.011		0.560	0.015	G	0.63	0.01	H	8.9024	0.0019	0.021	172		8.86	8.94					1							S
69816	10.422	0.036	9.090	0.020		1.144	0.034	T	4.21	0.39	O	8.3329	0.1864	1.111	112		7.53	10.14	321.40	P 1 B			1 S							G P
69817	9.820	0.025	8.763	0.018		0.917	0.023	T	0.92	0.02	L	8.8489	0.0018	0.014	73		8.82	8.87		D			1							S
69818	6.269	0.004	6.198	0.004		0.070	0.005	T	0.08	0.01	L	6.2238	0.0008	0.006	112		6.21	6.23					1 S							S
69819						1.160	0.015	G	1.26	0.03	I *	11.5666	0.0059	0.051	132	*	11.46	11.66		D	14174+3244	M 1	2 C D	AS	120	2.688	0.039	0.38	0.04	G D
69820	10.705	0.048	10.089	0.042		0.574	0.056	T	0.65	0.05	L	10.2870	0.0027	0.027	107		10.24	10.33		C			1							
69821	10.175	0.033	9.341	0.026	A	1.000	0.495	G	0.94	0.10	L *	9.4001	0.0027	0.019	72	*	9.36	9.44		C	14174−1745	I 1	2 C C	AB	120	4.655	0.061	3.30	0.17	
69822	9.708	0.018	8.974	0.015		0.673	0.019	T	0.73	0.02	L	9.0712	0.0021	0.022	133		9.03	9.12		C			1							S
69823	8.246	0.015	6.740	0.008		1.267	0.013	T	1.23	0.01	L	6.7770	0.0008	0.007	63		6.76	6.79		D			1							S
69824	12.214	0.142	10.413	0.043		1.391	0.004	G	1.52	0.15	K	10.3127	0.0029	0.029	134		10.25	10.36					1							
69825	6.860	0.004	6.650	0.005		0.201	0.006	T	0.22	0.01	L	6.6851	0.0010	0.009	125		6.67	6.70					1							S
69826	11.651	0.095	10.740	0.064		0.808	0.085	T	0.83	0.06	L	10.7261	0.0200	0.203	129		10.59	11.16	0.34	P 1 A			1							G
69827	9.897	0.022	9.409	0.021		0.459	0.028	T	0.53	0.03	L	9.4835	0.0024	0.026	111		9.43	9.52					1							
69828	7.235	0.008	6.979	0.006		0.244	0.009	T	0.27	0.01	L	7.0216	0.0034	0.017	64		7.00	7.05	0.25	P 1 A			1							S
69829	8.011	0.009	6.042	0.004		1.678	0.048	G	1.98	0.05	F	5.9226	0.0019	0.017	107		5.89	5.95		U 2			1 S							S
69830	10.063	0.026	8.904	0.017		0.995	0.024	T	0.97	0.02	L	8.9583	0.0024	0.015	85		8.93	8.99		C			1							
69831	9.746	0.021	9.236	0.020		0.479	0.026	T	0.55	0.03	L	9.2957	0.0025	0.017	110		9.26	9.33			14175+1722	I 1	1 S							S
69832	9.641	0.022	8.772	0.017		0.761	0.021	T	0.80	0.01	L	8.8352	0.0017	0.015	80		8.81	8.86		C			1							
69833	11.235	0.055	9.381	0.018		1.500	0.015	G	1.53	0.02	K	9.3637	0.0027	0.026	147		9.32	9.40					1							
69834	10.472	0.037	9.089	0.021		1.190	0.015	G	1.15	0.01	K	9.1315	0.0020	0.021	138		9.10	9.17		C			1							
69835	10.117	0.027	9.683	0.028		0.424	0.031	T	0.49	0.03	L	9.7799	0.0027	0.025	86		9.73	9.81		C			1							
69836	10.756	0.050	10.070	0.040		0.634	0.053	T	0.70	0.05	L	10.1702	0.0036	0.025	90		10.13	10.22					1							
69837	9.888	0.023	9.470	0.024		0.395	0.031	T	0.46	0.03	L	9.5178	0.0018	0.019	95		9.48	9.56		C			1							
69838	7.827	0.009	7.309	0.007		0.486	0.015	G	0.56	0.02	H	7.3639	0.0009	0.008	102		7.35	7.38					1							S
69839	10.414	0.031	9.589	0.024		0.743	0.030	T	0.79	0.02	L	9.6641	0.0030	0.023	111		9.62	9.71		C	14176+7022	I 1	1							
69840	10.485	0.036	9.244	0.021		1.059	0.033	T	1.03	0.03	L	9.3354	0.0024	0.019	87		9.31	9.36		C			1							
69841	9.339	0.015	7.743	0.008		1.337	0.013	T	1.30	0.01	L	7.7572	0.0011	0.010	113		7.74	7.78		C			1							S
69842	10.221	0.040	8.926	0.022	A	1.096	0.037	T	1.06	0.04	L	8.9717	0.0305	0.078	60	A	8.88	9.13		D	14176−2045	I 2	1 C P A							S
69843	10.088	0.033	9.644	0.033		0.444	0.020	G	0.51	0.02	H	9.6963	0.0023	0.020	86		9.66	9.73		D			1							
69844	10.405	0.056	9.985	0.065	B	0.397	0.079	T	0.46	0.09	L	10.0348	0.0633			B				D	14176−2045	I 2	1 C I A							
69845	7.866	0.009	7.864	0.010		−0.012	0.002	G	0.01	0.00	H	7.8787	0.0013	0.011	89		7.87	7.90		C			1							S
69846	9.775	0.021	8.439	0.013		1.133	0.019	T	1.10	0.02	L	8.4573	0.0012	0.013	82		8.44	8.48		C			1							
69847	9.264	0.020	9.076	0.023		0.406	0.015	G	0.47	0.02	H	9.0676	0.0094	0.063	104		9.00	9.17	2.18	P 1 A			1							
69848	7.839	0.011	7.392	0.008		0.445	0.015	G	0.51	0.02	H	7.4424	0.0043	0.024	82		7.41	7.47	0.15	P 1 A			1							S
69849	10.077	0.025	9.600	0.026	*	0.462	0.028	T	0.53	0.03	L *	9.6411	0.0019	0.022	88	*	9.59	9.69		D	14177−4403	H 1	2 C A	AB	177	0.454	0.007	1.30	0.04	
69850	9.508	0.016	7.515	0.007		1.688	0.014	T	2.58	0.03	O	7.2790	0.0030	0.038	140		7.22	7.35		U 2 C			1 S							S P
69851	8.768	0.013	8.175	0.012		0.549	0.015	G	0.62	0.01	H	8.2328	0.0010	0.011	76		8.22	8.25		D			1							S
69852	9.562	0.042	8.915	0.031	*	0.600	0.045	T	0.67	0.04	L *	9.5152	0.0023	0.022	133	*	9.48	9.56		R	14177+7648	I 1	2 C A	AB	210	1.887	0.005	1.14	0.03	
69853	9.679	0.017	9.159	0.016		0.488	0.021	T	0.56	0.02	L	9.2402	0.0019	0.016	124		9.21	9.28					1							S
69854	10.334	0.030	9.798	0.029		0.503	0.037	T	0.58	0.04	L	9.8439	0.0029	0.021	98		9.81	9.88		C			1							
69855	8.005	0.007	7.587	0.007		0.395	0.009	T	0.46	0.01	L	7.6251	0.0011	0.011	108		7.61	7.65		C			1							S
69856	8.360	0.011	7.125	0.008		1.054	0.011	T	1.02	0.01	L	7.1698	0.0010	0.009	103		7.15	7.18					1							S
69857	8.069	0.007	7.619	0.006		0.424	0.008	T	0.49	0.01	L	7.6578	0.0014	0.014	169		7.64	7.68					1							S
69858	8.743	0.011	8.459	0.011		0.270	0.015	T	0.30	0.02	L	8.4996	0.0011	0.011	115		8.48	8.53					1							S
69859	6.906	0.004	6.879	0.005		0.034	0.006	G	0.05	0.01	H	6.8969	0.0009	0.009	116		6.88	6.91		C			1							S
69860											T	11.7163	0.0063	0.050	80		11.60	11.80					1 S							D P
69861	9.958	0.028	9.286	0.024		0.611	0.028	T	0.68	0.03	L	9.3402	0.0037	0.018	60		9.30	9.37					1							
69862	6.869	0.005	6.373	0.004		0.466	0.006	T	0.54	0.01	L	6.4208	0.0008	0.006	120		6.41	6.43					1							S
69863	9.695	0.024	9.014	0.021		0.618	0.024	T	0.69	0.02	L	9.0563	0.0016	0.013	89		9.03	9.08		C			1							
69864	11.010	0.049	9.409	0.021		1.440	0.015	G	1.57	0.15	K	9.3674	0.0019	0.019	110		9.32	9.39					1							
69865	10.091	0.025	8.273	0.011		1.550	0.015	G	1.62	0.02	H	8.2091	0.0021	0.015	109		8.18	8.24					1							S
69866	11.080	0.075	10.298	0.059		0.710	0.074	T	0.76	0.06	L	10.5725	0.0033	0.023	67		10.52	10.62		C			1							
69867	8.162	0.009	7.613	0.008		0.548	0.003	G	0.62	0.00	H	7.6592	0.0045	0.052	172		7.57	7.72		U 2 C			1							S
69868	7.330	0.005	7.296	0.006		0.036	0.007	T	0.05	0.01	L	7.3077	0.0011	0.012	185		7.29	7.33					1							S
69869	10.611	0.044	8.906	0.018		1.423	0.038	T	1.41	0.06	L	8.8973	0.0021	0.017	84		8.87	8.92		C			1							
69870	8.689	0.011	8.236	0.011	*	0.463	0.015	G	0.53	0.02	H *	8.2527	0.0017	0.013	100	*	8.23	8.28		D	14179+6914	I 1	2 C A	AB	97	0.404	0.003	0.24	0.02	S
69871	6.988	0.005	7.029	0.007		−0.038	0.002	G	−0.02	0.00	H	7.0263	0.0012	0.009	86		7.01	7.04		C			1							S
69872	9.521	0.016	8.726	0.013		0.705	0.016	T	0.76	0.01	L	8.7906	0.0020	0.019	129		8.76	8.83					1							
69873	10.564	0.038	9.828	0.031		0.660	0.037	T	0.72	0.03	L	9.8824	0.0029	0.025	102		9.84	9.92					1							
69874	10.038	0.025	9.547	0.025		0.430	0.015	G	0.50	0.02	H	9.6138	0.0020	0.016	102		9.59	9.64					1							
69875	9.663	0.024	7.924	0.011		1.450	0.021	T	1.45	0.03	L	7.9050	0.0013	0.014	77		7.87	7.93		D			1							S
69876	7.920	0.007	7.529	0.007		0.393	0.015	G	0.46	0.02	H	7.5824	0.0013	0.012	142		7.56	7.61					1							S
69877	8.666	0.017	7.170	0.010		1.259	0.016	T	1.22	0.02	L	7.1751	0.0009	0.010	60		7.16	7.19		C			1							S
69878	8.456	0.007	8.148	0.008		0.293	0.010	T	0.33	0.01	L	8.2021	0.0014	0.017	199		8.17	8.23					1							S
69879	6.158	0.003	4.923	0.002		1.057	0.003	G	1.00	0.03	C	4.9660	0.0007	0.007	160		4.96	4.99		U 2			1 O							S
69880	11.348	0.074	9.556	0.026		1.470	0.015	G	1.60	0.15	K	9.5401	0.0027	0.024	87		9.50	9.58					1							
69881						0.723	0.004	G	0.73	0.02	A	6.6080	0.0011	0.007	58		6.60	6.62			14180−0732	I 1	1							S
69882	9.132	0.019	8.632	0.019		0.470	0.015	G	0.54	0.02	H	8.6781	0.0022	0.016	69		8.65	8.71		C			1							S
69883	8.274	0.010	8.117	0.011		0.151	0.014	T	0.17	0.01	L	8.1185	0.0017	0.016	122		8.09	8.14					1							
69884	9.114	0.014	8.495	0.013		0.537	0.003	G	0.61	0.00	H	8.5611	0.0017	0.013	115		8.54	8.59		C			1							S
69885	11.959	0.108	11.141	0.088		0.722	0.106	T	0.77	0.09	L	11.0554	0.0036	0.044	166		10.98	11.13		C			1							G
69886	9.138	0.015	8.264	0.012		0.766	0.005	G	0.81	0.00	H	8.3472	0.0021	0.015	96		8.32	8.38					1							S
69887	9.219	0.012	8.732	0.012		0.470	0.013	T	0.54	0.01	L	8.7521	0.0015	0.019	178		8.72	8.79					1							
69888	9.436	0.013	8.319	0.009		0.970	0.015	G	0.95	0.01	H	8.3712	0.0015	0.017	151		8.34	8.40		C			1							S
69889	9.832	0.022	7.972	0.010		1.553	0.002	G	1.53	0.00	J	7.9164	0.0013	0.011	85		7.90	7.94		C			1							G
69890	10.437	0.032	9.311	0.021		0.969	0.030	T	0.95	0.02	L	9.3685	0.0015	0.015	100		9.34	9.39		C			1							
69891	11.100	0.050	9.406	0.020		1.415	0.043	T	1.40	0.07	L	9.4262	0.0025	0.025	135		9.38	9.46		C			1							
69892	8.582	0.010	8.576	0.013		0.010	0.015	T	0.03	0.01	L	8.5550	0.0016	0.018	134		8.52	8.58					1							
69893	11.692	0.088	10.848	0.069	A	0.880	0.040	G	0.89	0.03	R *	10.7085	0.0027	0.030	129	*	10.66	10.75		D	14182+1244	H 1	2 C D	AB	304	4.394	0.092	3.08	0.24	G D
69894	8.784	0.018	8.219	0.017	*						T	8.4270	0.0026	0.029	105	−	8.40	8.52		U 2 C	14182−2731	I 1	4 C B							S Y
69895	9.528	0.013	8.348	0.009	*	1.011	0.012	T	0.99	0.01	L *	8.3901	0.0015	0.017	196	*	8.36	8.42		C	14182−6252	H 1	2 C S C	AB	342	0.151	0.044	2.09	0.93	
69896	5.195	0.003	4.925	0.002		0.243	0.008	G	0.24	0.02	A	4.9613	0.0005	0.005	134		4.95	4.97		C			1							S
69897	9.850	0.025	9.321	0.024		0.505	0.026	T	0.58	0.03	L	9.3927	0.0027	0.017	77		9.36	9.42		C			1							
69898	10.079	0.025	10.105	0.039		0.252	0.015	G	0.28	0.02	H	10.0349	0.0027	0.023	128		9.99	10.08		C			1							G
69899	8.542	0.011	7.138	0.007		1.187	0.010	T	1.15	0.01	L	7.1954	0.0013	0.014	94		7.17	7.22					1							S
69900	10.764	0.048	9.129	0.020		1.368	0.041	T	1.34	0.05	L	9.1151	0.0022	0.017	91		9.09	9.15		C	14184−2613	I 1	1 S							

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Number	Descriptor: epoch J1991.25					Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V			α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	$\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag			deg	deg		mas	mas/yr		mas		mas	mas/yr		$\alpha*$	$\alpha*$	δ	$\alpha*$	δ	π	$\alpha*$	δ	π	$\mu_{\alpha*}$	%	
1 2	3	4	5 6	7		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
*69901	14 18 22.69	−45 54 17.7	8.93	H		214.594 561 28	−45.904 926 28	A	22.72	49.46	37.06	2.31	1.36	2.39	2.06	1.80	− 4	−55	−10	−26	+ 6	+14	+ 4	−22	+ 5	− 8	9	1.82
*69902	14 18 22.63	−33 03 41.7	9.63	H		214.594 292 44	−33.061 569 58		8.18	−32.08	−39.08	1.21	0.89	1.51	1.59	1.17	−20	+ 1	−14	+26	+ 8	+30	+24	−43	+32	+ 9	0	1.54
69903	14 18 23.67	+16 37 44.0	10.35	H		214.598 632 06	+16.628 883 24		12.37	24.02	−146.52	1.24	1.09	1.67	1.33	1.18	−29	− 1	−10	+17	+ 1	− 4	+ 0	+ 5	− 6	−33	0	2.00
69904	14 18 23.81	−33 13 13.6	6.54	H		214.599 191 55	−33.220 453 59		10.20	−73.25	−39.84	0.78	0.52	0.96	0.99	0.72	−12	+ 7	−25	+38	+ 0	+26	+16	−29	+38	+10	2	2.72
69905	14 18 24.07	−30 32 48.0	9.80	H		214.600 290 56	−30.546 653 07		15.63	−40.22	−115.97	1.21	1.05	1.60	1.67	1.60	−29	−13	−11	− 3	+ 7	+ 0	+ 3	−43	+17	−33	2	0.19
69906	14 18 24.61	−54 19 20.8	8.39	H		214.602 560 88	−54.322 433 84		0.12	−6.53	−4.00	0.65	0.68	0.98	0.67	0.70	−11	−36	+12	+16	−15	−15	−22	+55	+ 4	+13	0	0.53
69907 H	14 18 24.72	+34 12 23.7	9.02	H		214.602 979 89	+34.206 588 78	A	6.66	2.42	1.92	1.39	1.41	2.02	1.69	1.64	+16	−15	−18	+11	+12	−10	+12	+14	+ 1	−18	1	0.57
69908	14 18 26.28	−19 33 44.5	8.30	H		214.609 487 68	−19.562 374 95		6.12	−18.21	−18.19	0.95	0.62	1.06	1.04	0.72	−23	−20	− 6	+24	+ 8	+24	+11	−36	+13	−14	0	1.96
69909 H	14 18 26.85	−63 00 17.9	8.39	G		214.611 856 47	−63.004 978 16	A	4.31	−33.63	−23.74	1.74	2.05	2.75	1.49	1.98	+15	−16	+ 6	+47	+15	−15	+25	+ 7	− 8	+44	2	1.79
69910	14 18 26.87	−60 53 54.1	9.08	G		214.611 967 70	−60.898 370 95		3.17	−2.10	−4.26	0.93	1.01	1.38	1.02	1.27	+14	−33	−11	+12	− 2	+10	− 1	+32	+10	+16	0	1.20
69911	14 18 26.97	−00 06 54.2	10.56	H		214.612 362 22	−00.115 056 27		5.29	−98.88	−160.00	1.68	1.39	2.01	1.93	1.61	−45	−29	+ 7	− 1	+ 5	+ 7	+ 2	−29	+ 2	−51	0	1.50
69912	14 18 27.64	+60 05 04.5	9.59	H		214.615 150 78	+60.084 592 32		2.50	6.18	−16.65	0.88	0.95	1.05	0.93	1.14	+17	−13	−10	−25	− 9	−14	−13	+ 5	+ 5	+15	0	0.60
69913	14 18 28.70	+29 28 01.2	10.36	H		214.619 571 23	+29.466 999 66		19.59	48.32	−41.53	1.27	1.19	1.72	1.33	1.23	− 5	− 1	+ 0	−42	−17	+ 0	−10	+ 3	−12	−20	4	0.75
69914	14 18 29.82	+03 40 28.6	7.01	H		214.624 262 90	+03.674 597 70		4.59	−3.55	−32.58	0.80	0.71	1.20	0.93	0.87	−31	− 3	−45	+ 1	− 7	+ 6	−10	−35	+42	−44	0	1.75
69915	14 18 30.03	−45 14 40.0	9.93	G		214.625 125 99	−45.244 450 90		4.45	7.10	−4.41	1.27	0.97	1.60	1.39	1.36	−13	−26	− 5	−27	+ 8	+ 4	+ 6	−26	+ 9	−22	0	−0.96
69916	14 18 30.73	−54 07 45.7	7.57	G		214.628 045 64	−54.129 360 41		4.00	12.91	−24.82	0.58	0.58	0.91	0.59	0.61	−13	−34	+18	+ 8	−12	−14	−21	+42	+ 9	+15	0	0.14
69917	14 18 31.16	+52 02 00.0	6.91	H		214.629 845 82	+52.033 328 05		9.84	−18.07	− 2.15	0.48	0.53	0.63	0.61	0.58	+ 7	− 8	−19	+15	− 6	− 9	−12	− 7	+ 2	−20	1	0.08
69918	14 18 31.27	+21 28 23.6	7.78	H		214.630 272 73	+21.473 220 09		3.71	−55.99	− 8.84	0.84	0.65	0.98	0.99	0.71	−16	+ 2	− 9	+ 5	+ 5	+ 9	+ 5	+ 3	− 27	0	−0.04
69919	14 18 31.53	+46 05 21.7	8.58	H		214.631 393 20	+46.089 368 39		7.37	−33.45	17.88	0.64	0.67	0.88	0.80	0.69	+ 6	+ 3	−13	−14	−16	+ 1	−13	−15	− 2	−26	0	0.03
69920	14 18 32.27	−09 24 33.0	8.85	H		214.634 471 37	−09.409 179 77		4.44	−13.69	4.63	1.25	0.85	1.39	1.44	1.03	− 5	−32	−19	− 4	− 1	− 2	− 2	−37	+14	+ 1	5	2.53
69921 H	14 18 32.47	+09 17 27.0	9.27	H		214.635 277 39	+09.290 827 16	A	8.88	−6.88	2.79	2.96	2.23	2.08	2.05	1.49	−32	− 5	−28	− 4	−19	+38	−26	− 3	+ 8	−33	1	0.13
69922	14 18 33.81	+28 26 21.1	7.66	G		214.640 868 14	+28.439 189 84		14.77	−63.59	77.97	0.53	0.59	0.84	0.66	0.59	−17	+10	+ 3	−23	−15	− 9	− 8	+ 3	−11	−32	0	0.72
69923	14 18 35.74	+10 30 37.8	7.21	H		214.648 895 90	+10.510 506 63		12.07	−57.60	− 4.90	0.90	0.58	0.99	1.07	0.68	+12	−40	−27	−39	−33	+25	−25	− 8	+ 8	− 8	0	1.28
69924	14 18 36.09	+36 05 22.8	10.10	H		214.650 380 20	+36.089 679 71		15.06	−116.14	20.40	3.01	3.00	4.45	3.31	3.24	+11	− 4	−22	−43	+ 1	− 5	+ 4	−11	+10	− 4	0	
69925	14 18 36.92	+75 40 07.9	7.74	H		214.653 812 51	+75.668 871 36		6.43	− 1.39	−20.24	0.52	0.52	0.58	0.57	0.55	+ 0	− 7	− 5	+ 3	− 8	− 1	− 7	+11	− 7	− 7	0	1.47
69926	14 18 37.13	+25 18 19.1	9.38	G		214.654 717 71	+25.305 311 46		3.56	−9.86	−8.43	1.08	0.79	1.26	1.02	0.84	−16	−13	−21	−32	−10	+18	+ 0	+ 0	−19	−41	0	0.26
69927	14 18 37.61	+61 57 32.5	8.29	H		214.656 714 06	+61.959 029 35		3.25	−21.04	− 6.25	0.60	0.64	0.72	0.54	0.68	+16	−33	−16	−21	− 3	+ 2	− 6	− 6	+ 8	+14	0	0.86
69928	14 18 37.67	+53 56 26.5	7.83	2 H		214.656 958 23	+53.940 683 01		1.09	−26.11	− 3.73	0.58	0.60	0.71	0.70	0.72	+16	− 8	−13	− 4	− 4	+24	− 2	− 4	+ 4	+17	0	0.31
69929	14 18 38.30	−18 42 57.2	5.86	1 H		214.659 567 66	−18.715 881 64		11.08	−65.60	−35.37	0.76	0.51	0.91	0.91	0.60	−15	−28	−16	+32	+17	− 2	+15	−23	− 2	− 6	2	1.28
69930	14 18 38.40	+06 13 57.5	8.96	H		214.660 012 32	+06.232 648 52		1.60	−28.02	2.45	1.09	0.94	1.36	1.14	1.12	−30	−13	−19	−18	+11	+ 4	+ 4	−39	+23	−44	0	−0.72
69931	14 18 38.78	−29 20 07.3	8.56	H		214.661 587 61	−29.335 365 76		7.33	−60.03	−10.20	0.98	0.80	1.33	1.40	1.25	−22	−15	−29	− 9	+12	−12	+ 3	−57	+38	−28	0	−0.80
69932	14 18 39.98	−69 52 39.0	9.36	H		214.666 577 59	−69.877 496 72		9.26	49.00	58.80	0.77	0.92	1.25	0.99	1.00	+18	− 2	+ 1	+ 6	+12	−33	+10	+17	−12	+36	0	0.47
69933	14 18 41.20	−07 00 49.2	7.44	H		214.671 668 23	−07.013 653 12		7.37	−24.84	−17.57	0.89	0.62	0.94	0.99	0.78	− 6	−28	−22	+23	−13	+ 4	−13	+10	− 2	−20	0	0.71
69934	14 18 42.10	−63 42 12.2	9.15	2 H		214.675 437 35	−63.703 377 87		1.47	− 5.40	− 3.72	0.80	1.14	1.58	1.03	1.39	+25	− 7	+10	+37	+20	+ 2	+20	+26	+16	+42	0	−1.10
69935	14 18 42.14	−52 14 14.8	8.10	G		214.675 583 71	−52.237 441 92		6.22	−47.71	−23.59	0.65	0.68	0.96	0.80	0.94	−26	−24	+10	+10	+11	−12	+13	− 8	+13	−12	0	0.86
69936	14 18 43.48	+17 21 12.7	7.79	H		214.681 176 33	+17.353 524 50		5.17	−51.51	20.66	0.70	0.62	0.97	0.76	0.68	−30	−17	−23	+34	−12	− 7	−11	+28	−15	−46	0	−0.79
69937	14 18 44.34	−65 02 36.5	10.12	H		214.684 745 97	−65.043 478 14		1.35	− 5.23	− 0.93	0.88	1.15	1.69	1.14	1.35	+45	−14	− 7	+12	+13	− 3	+12	+15	+ 1	+55	0	1.37
69938	14 18 44.53	−65 12 49.3	9.88	H		214.685 536 84	−65.213 685 43		6.52	34.83	− 5.89	0.97	1.17	1.72	1.36	1.58	+44	−15	−11	+ 7	+23	+ 4	+18	+15	+12	+67	1	3.26
69939	14 18 44.58	−32 25 34.6	8.35	G		214.685 745 63	−32.426 275 28		14.20	31.36	−37.32	0.92	0.70	1.15	1.29	0.91	−13	− 3	−32	+ 6	+ 1	+ 6	+11	−47	+37	+10	0	0.51
69940	14 18 45.78	+20 30 56.0	10.77	H		214.690 733 62	+20.515 552 82		6.50	33.59	−27.55	1.41	1.34	1.82	1.61	1.34	−34	+ 2	−17	+ 3	+12	−18	+ 8	− 6	− 9	−34	0	0.48
69941	14 18 46.23	−63 41 44.3	8.16	H		214.692 633 25	−63.695 645 12		13.04	−84.03	−18.52	0.66	0.85	1.22	0.81	0.99	+27	−11	+13	+47	+23	− 1	+29	+20	+16	+52	0	−0.90
69942	14 18 46.27	+58 59 50.6	8.64	H		214.692 802 56	+58.997 398 12		3.72	−29.20	14.61	0.63	0.65	0.75	0.74	0.73	+14	−16	−26	− 3	−12	+ 9	−11	− 5	+ 3	+ 1	0	−0.32
69943	14 18 48.50	−50 33 56.0	9.29	H		214.702 097 67	−50.565 552 79		4.88	−59.13	0.72	0.86	0.90	1.41	1.09	1.33	−42	−23	+ 7	− 6	+12	−27	+10	−17	+25	−30	1	1.90
69944	14 18 48.92	+19 51 20.5	8.14	G		214.703 840 45	+19.855 692 65		3.70	−10.40	− 7.69	0.68	0.59	0.86	0.77	0.63	−29	− 4	−10	−14	+ 4	− 1	+ 5	− 7	−19	−37	0	−1.94
69945	14 18 49.18	−12 03 47.5	7.81	H		214.704 911 57	−12.063 205 73		1.72	−15.72	−12.68	0.94	0.65	1.02	1.38	0.78	−20	−15	+ 3	+23	− 1	−20	+ 7	−11	+10	+ 9	0	1.95
69946	14 18 49.51	−69 48 00.0	8.77	H		214.706 276 05	−69.799 998 85		14.04	8.48	4.96	0.67	0.76	1.05	0.81	0.85	+20	− 6	+ 0	− 1	+13	−20	+10	+13	+ 3	+35	0	−0.18
69947	14 18 50.09	−50 05 50.9	8.94	H		214.708 714 12	−50.097 476 91		3.28	−39.16	−67.33	0.84	0.88	1.37	0.94	1.19	−32	−31	− 9	+ 1	+17	−28	+ 8	−28	+31	−28	0	−0.83
69948	14 18 50.96	−37 19 47.8	8.02	G		214.712 340 89	−37.329 950 75		6.68	24.04	− 7.95	0.93	0.68	1.14	0.88	0.85	− 4	−29	−12	−32	− 2	+ 9	− 1	−25	− 8	−20	0	0.25
69949 H	14 18 50.98	−58 41 11.1	7.26	H		214.712 434 06	−58.686 406 91	*	2.56	− 7.83	−11.96	0.96	1.00	0.98	1.00	0.83	+ 2	− 6	− 1	+12	+ 3	−18	− 1	+39	−10	+38	4	−0.49
69950	14 18 51.76	+09 45 45.3	9.51	H		214.715 684 20	+09.762 578 47		4.49	−23.39	10.36	1.39	1.00	1.54	1.64	1.22	− 7	−21	−15	−24	−25	+ 5	−23	+24	+ 3	−14	0	0.90
69951	14 18 52.38	+48 35 33.2	7.10	H		214.718 268 56	+48.592 564 98		13.61	55.75	−59.08	0.48	0.50	0.63	0.58	0.53	+ 8	− 4	− 3	−11	−12	+15	− 9	− 6	−12	−18	1	−1.01
69952 H	14 18 52.72	+03 53 33.0	8.73	H		214.719 666 40	+03.892 496 64	A	3.75	−45.51	−31.43	4.41	4.07	3.49	3.50	3.48	−39	+17	−15	− 9	+14	− 1	+12	−24	+ 9	−70	1	−0.61
69953	14 18 53.80	−58 58 21.3	7.76	G		214.724 153 98	−58.972 594 81		8.77	10.53	−35.16	0.74	0.67	0.93	1.05	0.82	+22	−13	−21	+15	+11	−11	+ 6	+32	− 7	+42	0	2.99
69954	14 18 54.34	−64 21 35.6	9.17	H		214.726 415 46	−64.359 877 11		6.66	−43.10	−16.60	0.71	0.98	1.44	0.94	1.22	+47	− 2	+ 4	+12	+20	+ 4	+18	+15	+14	+62	0	0.88
69955	14 18 55.69	+38 46 02.5	6.86	H		214.732 035 93	+38.767 361 24		5.86	1.21	26.62	0.43	0.52	0.70	0.52	0.59	+10	−12	−11	+18	−10	+ 9	−10	+19	+ 8	− 1	2	0.04
69956	14 18 55.78	−71 23 47.3	7.90	2 H		214.732 430 91	−71.396 484 28		1.29	− 3.07	− 1.85	0.57	0.71	0.86	0.72	0.86	+22	−13	+22	+ 8	+ 4	− 5	+ 3	+15	+ 3	+42	0	−0.17
69957	14 18 55.84	−54 27 58.0	8.82	2 H		214.732 653 79	−54.466 117 77		6.27	30.03	1.39	0.76	0.71	1.09	0.76	0.75	− 9	−38	+ 9	+19	−15	−16	−21	+52	+ 1	+18	0	−0.84
69958	14 18 55.93	+54 51 49.6	6.47	H		214.733 030 42	+54.863 773 84		9.75	−18.71	− 8.56	0.48	0.50	0.57	0.50	0.56	+15	− 3	−12	−19	−11	− 2	−10	−11	+ 6	+ 0	0	−0.26
69959	14 18 57.14	+42 00 18.4	7.08	H		214.738 092 30	+42.005 108 61		5.36	40.48	−71.06	0.50	0.63	0.76	0.64	0.70	+ 9	+ 3	−23	−16	− 6	+ 3	− 6	−39	+10	+ 3	1	−0.67
69960	14 18 57.70	−63 56 56.4	8.14	H		214.740 409 41	−63.949 008 76		9.52	−50.77	−74.87	0.62	0.83	1.12	0.79	0.96	+27	−12	+16	+37	+21	− 7	+24	+27	+ 9	+48	0	−1.21
69961	14 18 57.79	+29 50 42.9	9.21	H		214.740 771 31	+29.845 253 62		0.36	−14.02	− 8.67	0.94	0.80	1.14	1.12	0.83	−16	− 7	+ 5	−31	+ 0	+11	+ 4	−20	−24	−29	0	−1.85
69962 H	14 18 58.28	−06 36 09.3	9.10	H		214.742 847 88	−06.602 595 65	A	46.46	− 5.17	−432.05	9.67	2.67	1.73	1.89	1.29	−15	− 9	+ 1	+14	+ 6	− 3	− 1	− 9	+22	− 2	0	0.48
69963	14 18 59.57	+38 38 28.4	11.51	G		214.748 224 19	+38.641 214 71		26.90	−702.80	−234.60	1.58	1.86	2.72	1.92	2.04	+14	−15	−21	+ 8	−14	+12	−11	+13	+ 7	− 4	1	1.27
69964	14 18 59.62	−40 00 45.6	9.34	H		214.748 400 90	−40.012 665 79		18.57	−84.92	18.44	2.64	2.05	3.37	2.63	2.46	−13	−32	−10	+ 7	+ 2	−13	− 9	−26	+23	−25	0	
69965	14 19 01.13	−25 48 58.7	5.87	G		214.754 691 77	−25.816 317 24		56.23	−356.39	366.76	0.67	0.54	0.94	0.81	0.78	−22	−18	−33	+11	+ 5	− 9	− 8	−40	+44	−34	2	0.70
69966	14 19 01.49	+04 10 47.1	8.30	2 H		214.756 221 97	+04.179 761 21		0.22	−25.24	− 3.75	0.98	0.85	1.37	1.09	0.99	−21	−18	−44	− 2	− 1	+16	− 5	−36	+29	−42	0	1.38
69967	14 19 02.42	−39 54 18.0	9.28	H		214.760 093 04	−39.904 989 52		10.83	−84.38	−25.91	1.01	0.76	1.32	0.91	0.88	−13	−47	−13	− 1	− 2	− 6	−13	−18	+18	−25	3	−0.04
69968	14 19 03.24	−34 24 31.9	8.90	H		214.763 516 15	−34.408 854 34		0.76	7.91	− 2.94	1.12	0.87	1.41	1.45	1.11	−15	−19	−13	+ 2	− 1	− 6	− 8	−37	+17	−27	0	−0.66
69969	14 19 04.02	+19 03 55.5	6.86	H		214.766 770 74	+19.065 415 91		6.01	−15.98	7.01	0.59	0.51	0.79	0.63	0.55	−25	− 9	−12	+30	+ 2	+ 0	+ 2	+12	−21	−35	2	−0.56
69970	14 19 04.97	−14 31 43.9	8.29	G		214.770 721 24	−14.528 864 72		5.29	− 2.16	−54.77	1.17	0.69	1.15	1.34	0.92	− 5	−16	−18	+55	+15	+ 8	+11	−17	+35	− 6	0	1.46
69971	14 19 04.99	−26 50 18.1	8.73	H		214.770 780 53	−26.838 367 06		11.44	−53.28	−47.27	0.98	0.77	1.43	1.09	1.11	−20	−26	−33	+ 0	+ 7	+ 3	− 5	−47	+50	−22	0	−0.86
69972	14 19 05.36	−59 22 37.4	6.66	1 H		214.772 313 74	−59.377 068 15		84.50	−454.49	−810.00	0.62	0.57	0.79	1.10	0.81	+12	− 7	+ 3	+14	− 1	−10	− 2	+27	− 6	+46	0	−0.57
69973	14 19 05.76	−22 57 12.6	7.87	H		214.774 017 91	−22.953 513 65		2.95	−27.38	− 2.28	0.83	0.58	0.95	1.03	0.73	−21	− 6	−10	+10	−13	+ 4	−10	− 6	−17	−16	1	1.81
69974	14 19 06.60	−13 22 16.2	4.52	G		214.777 507 71	−13.371 166 34		17.47	−17.12	29.39	0.85	0.52	0.94	0.84	0.63	− 7	−47	−16	+16	+ 3	+ 6	− 4	−14	+19	−12	2	1.51
69975	14 19 06.69	+16 40 04.0	9.74	H		214.777 873 75	+16.667 769 83		5.84	−31.78	3.29	1.05	0.97	1.46	1.14	1.05	−30	− 8	− 5	+16	+ 9	+ 1	+ 8	− 3	− 9	−39	0	−0.51
69976	14 19 06.75	−10 36 36.4	8.59	H		214.778 124 14	−10.610 112 60		4.65	−11.43	9.18	1.26	0.83	1.16	1.48	0.94	−17	+ 2	− 1	+49	+19	+13	+34	−28	+14	+ 9	0	−1.29
69977	14 19 07.17	−27 08 28.2	6.35	1 H		214.779 886 82	−27.141 154 59		3.91	−23.12	3.03	0.66	0.56	0.94	0.72	0.76	−25	−17	−36	− 6	+15	−11	+ 4	−56	+47	−29	0	−0.43
69978	14 19 09.05	−55 52 56.1	7.30	2 H		214.787 728 48	−55.882 238 66		1.55	− 9.79	− 8.98	0.57	0.52	0.74	0.82	0.59	+11	− 1	+19	+47	+19	+17	+19	+45	+21	+49	0	−0.19
69979	14 19 09.24	+59 18 07.2	8.72	H		214.788 491 42	+59.301 998 99		8.81	−47.65	59.97	0.66	0.70	0.81	0.72	0.80	+ 8	−17	−28	+ 3	− 8	+13	− 6	+ 8	+ 6	+ 6	0	1.81
69980	14 19 09.45	−56 55 18.0	8.38	2 H		214.789 377 31	−56.921 678 16		−0.09	− 8.55	− 2.65	0.63	0.63	0.96	0.76	0.72	+ 2	−28	+ 7	+20	+ 4	−18	− 2	+34	+12	+24	1	−0.40
69981	14 19 11.72	−13 25 53.3	8.70	2 G		214.798 820 75	−13.431 481 06		−1.96	5.66	−14.63	1.18	0.70	1.31	1.09	0.81	− 7	−51	−16	+14	+ 6	+ 1	− 4	−17	+20	−11	2	0.96
69982	14 19 12.02	−60 49 33.6	8.31	H		214.800 083 54	−60.826 011 27		24.66	−165.75	−31.36	0.77	0.81	1.05	0.87	1.05	+ 7	−25	+ 0	+21	+ 2	+ 6	− 1	+29	+ 8	+11	0	0.88
69983	14 19 12.20	+64 22 12.2	8.01	G		214.800 836 44	+64.370 054 53		9.52	28.64	− 2.80	0.53	0.57	0.63	0.60	0.65	+18	−23	−25	−15	−12	+ 8	−10	−10	− 2	+ 5	1	1.50
69984	14 19 12.85	−15 14 13.7	9.23	H		214.803 526 46	−15.237 131 46		0.52	−43.94	− 9.17	1.47	0.99	1.53	1.94	1.37	−20	+ 5	−34	+53	+10	+10	+17	−35	+40	−11	0	1.59
69985	14 19 14.25	+24 19 53.3	11.65	H		214.809 378 02	+24.331 464 22		18.28	−362.10	115.82	2.43	2.36	3.45	2.41	2.48	−25	+14	−41	−16	− 1	+10	+ 1	−27	+11	−47	0	−0.33
69986	14 19 14.78	+14 02 52.0	9.86	H		214.811 598 48	+14.047 778 39		−0.91	−30.27	7.48	1.24	0.94	1.71	1.46	0.97	−23	−13	−22	+42	+26	−33	+11	− 4	+ 6	−41	0	2.57
69987	14 19 14.88	−14 24 28.3	7.44	2 H		214.812 014 31	−14.407 853 97		2.18	− 7.27	−25.06	0.92	0.65	0.98	1.04	0.82	−12	−26	−20	+42	+12	− 4	+ 5	−11	+27	−17	0	2.50
69988	14 19 15.97	+22 05 55.6	9.65	H		214.816 542 66	+22.098 786 99		9.58	−121.52	8.22	1.12	0.89	1.31	1.34	0.98	−16	− 3	− 6	+27	− 8	−16	− 9	+28	+ 1	−32	6	2.12
69989	14 19 16.22	+13 00 15.8	5.41	G		214.817 570 38	+13.004 377 24		38.33	105.91	−32.22	0.56	0.51	0.81	0.70	0.56	−48	+13	−29	+ 5	+29	−27	+18	− 9	+ 6	−61	2	−0.41
69990	14 19 16.77	−29 03 20.6	8.44	H		214.819 891 79	−29.055 719 81		3.81	−12.90	− 9.53	0.91	0.81	1.20	1.10	1.03	−38	+ 8	−37	−20	− 8	+ 0	+11	+ 1	−13	− 1	−28	0	0.20
69991	14 19 17.15	−39 28 23.5	9.75	H		214.821 443 58	−39.473 188 10		16.36	−89.23	30.16	2.71	2.01	3.37	2.76	2.63	−13	−31	−11	−13	+ 2	−10	− 9	−30	+24	−26	0	
69992	14 19 17.83	−79 28 41.1	9.49	H		214.824 278 34	−79.478 086 90		10.57	25.91	17.23	0.85	0.83	1.05	0.96	0.96	− 2	−13	+13	− 3	+11	−11	+13	− 8	+ 0	+11	0	1.19
69993	14 19 19.32	−07 50 54.9	8.27	1 H		214.830 503 06	−07.848 578 33		2.50	17.69	−38.59	1.16	0.71	1.15	1.41	0.95	−14	−12	−10	+47	− 1	+ 8	− 3	+ 8	+16	−16	3	4.16
69994	14 19 23.42	−71 44 37.7	7.93	H		214.847 601 47	−71.743 791 73		3.70	−19.31	−17.04	0.53	0.61	0.75	0.66	0.72	+18	−16	+13	+29	+13	+ 4	+11	+32	+11	+30	0	−0.44
69995	14 19 23.91	−37 00 10.1	5.93	H		214.849 645 62	−37.002 806 75		14.60	−48.77	−41.11	0.64	0.51	0.83	0.65	0.65	− 8	−32	−20	− 8	+ 0	+11	+ 1	−13	− 1	−28	0	0.35
69996	14 19 24.23	−46 03 29.1	3.55	1 G		214.850 969 72	−46.058 083 91		9.27	−12.81	− 3.79	0.62	0.51	0.78	0.63	0.71	−10	−41	− 9	+12	+ 3	+ 3	+ 0	+ 1	+ 8	−24	2	0.61
69997	14 19 24.45	−02

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
69901	10.083	0.044	9.009	0.030	A	0.920	0.042	T	0.92	0.03	L	9.0783	0.0093	0.014	73	A	9.05	9.10		C	14184−4554	M 1	2 C C	AB	156	11.397	0.063	3.62	0.26	
69902	10.171	0.032	9.684	0.033		0.458	0.042	T	0.53	0.04	L	9.7271	0.0032	0.020	85		9.69	9.76		C			1							
69903	11.552	0.101	10.435	0.062		0.962	0.092	T	0.95	0.07	L	10.5194	0.0034	0.029	92		10.48	10.56					1							
69904	6.885	0.004	6.568	0.005		0.284	0.005	G	0.32	0.01	H	6.6131	0.0006	0.006	86		6.60	6.62					1							S
69905	10.815	0.052	9.901	0.037		0.796	0.049	T	0.83	0.04	L	9.9366	0.0024	0.021	85		9.90	9.98		C			1							
69906	8.464	0.009	8.399	0.011		0.065	0.013	T	0.07	0.01	L	8.4123	0.0015	0.014	135		8.39	8.43		C			1							
69907	9.493	0.013	9.113	0.014	*	0.360	0.018	T	0.42	0.02	L	*	9.1040	0.0022	0.020	164	*	9.06	9.15		D	14184+3412	I 1	2 C A	AB	29	0.655	0.005	1.38	0.03	S
69908	9.625	0.021	8.420	0.013		1.031	0.019	T	1.00	0.02	L	8.4658	0.0014	0.009	76		8.45	8.48		C			1							
69909	9.182	0.011	8.655	0.011	*	0.484	0.014	G	0.56	0.01	H	*	8.4958	0.0016	0.016	204	*	8.47	8.53		D	14184−6300	I 1	2 C A	AB	290	0.855	0.003	0.30	0.01	
69910	9.366	0.022	9.102	0.025		0.280	0.020	G	0.32	0.03	H		9.1637	0.0022	0.024	99		9.13	9.19					1 G							
69911	11.345	0.082	10.574	0.065		0.702	0.082	T	0.76	0.07	L	10.7077	0.0055	0.038	95		10.65	10.77					1							G
69912	11.087	0.052	9.668	0.026		1.198	0.046	T	1.16	0.04	L	9.7515	0.0025	0.028	118		9.70	9.80					1							
69913	11.900	0.133	10.468	0.056		0.980	0.015	G	1.03	0.02	I	10.5066	0.0037	0.029	103		10.46	10.56		C			1							
69914	8.633	0.023	7.130	0.013		1.264	0.021	T	1.22	0.02	L	7.1738	0.0009	0.010	75		7.16	7.19					1							S
69915	10.387	0.043	9.990	0.046		0.396	0.020	G	0.46	0.02	H	10.0567	0.0027	0.020	70		10.02	10.10		C			1							G
69916	8.956	0.012	7.689	0.008		1.079	0.011	T	1.04	0.01	L	7.7127	0.0012	0.011	135		7.70	7.73		C			1							
69917	7.098	0.005	6.934	0.006		0.157	0.007	T	0.17	0.01	L	6.9639	0.0009	0.007	103		6.95	6.97		C			1							S
69918	9.265	0.016	7.887	0.010		1.166	0.015	T	1.13	0.01	L	7.9501	0.0015	0.012	92		7.93	7.97		C			1							S
69919	9.103	0.015	8.612	0.015		0.462	0.019	T	0.53	0.02	L	8.6864	0.0015	0.015	119		8.67	8.71		C			1							S
69920	10.098	0.038	8.949	0.025		0.987	0.035	T	0.97	0.03	L	9.0092	0.0022	0.013	50		8.98	9.03					1							
69921	9.815	0.025	9.332	0.025	*	0.455	0.032	T	0.52	0.03	L	*	9.3728	0.0014	0.020	85	*	9.33	9.42		D	14185+0917	H 1	2 C A	AB	315	0.349	0.028	2.47	0.19	
69922	8.165	0.009	7.694	0.007		0.473	0.015	G	0.54	0.02	H	7.7548	0.0013	0.012	141		7.73	7.77		C			1							S
69923	7.591	0.006	7.244	0.007		0.318	0.003	G	0.37	0.00	H	7.2883	0.0009	0.008	77		7.27	7.30		C			1							S
69924	10.999	0.039	10.171	0.031		0.746	0.038	T	0.79	0.03	L	10.2349	0.0024	0.030	156		10.18	10.30		C			1 X							
69925	9.119	0.012	7.853	0.008		1.079	0.011	T	1.04	0.01	L	7.9081	0.0012	0.012	135		7.89	7.93					1							S
69926	10.812	0.052	9.543	0.028		1.080	0.015	G	1.04	0.01	H	9.5593	0.0023	0.023	103		9.53	9.60					1							
69927	9.512	0.016	8.402	0.011		0.957	0.015	T	0.94	0.01	L	8.4570	0.0016	0.015	116		8.43	8.49		C			1							
69928	9.847	0.019	8.024	0.009		1.517	0.017	T	1.55	0.03	L	7.9487	0.0033	0.025	125		7.91	7.98		U 2			1							S
69929	5.869	0.006	5.856	0.004		0.013	0.006	T	0.03	0.01	L	5.8748	0.0030	0.015	81		5.85	5.89	9.29	P 1 A			1 G							S P
69930	10.241	0.035	9.056	0.022		1.015	0.032	T	0.99	0.03	L	9.1274	0.0017	0.018	75		9.09	9.16		C			1							
69931	9.132	0.014	8.573	0.013		0.528	0.014	T	0.60	0.01	L	8.6704	0.0019	0.015	92		8.65	8.69		C			1							
69932	10.216	0.023	9.431	0.019		0.697	0.023	T	0.75	0.02	L	9.5030	0.0024	0.025	158		9.44	9.56		C			1							
69933	7.623	0.008	7.460	0.009		0.156	0.011	T	0.17	0.01	L	7.4978	0.0020	0.014	69		7.47	7.52					1							S
69934	9.264	0.013	9.129	0.016		0.130	0.019	T	0.14	0.02	L	9.2029	0.0031	0.038	174		9.15	9.30		U 2	14188−6342	I 2	1 S							
69935	8.497	0.009	8.125	0.009		0.374	0.015	G	0.44	0.02	H	8.1826	0.0014	0.015	139		8.16	8.21					1							
69936	8.993	0.013	7.895	0.009		0.960	0.015	G	0.95	0.01	H	7.9558	0.0011	0.014	103		7.92	7.98					1							S
69937	10.356	0.021	10.139	0.028		0.207	0.033	T	0.23	0.04	L	10.1836	0.0031	0.039	248		10.12	10.25					1 S							G
69938	10.581	0.026	9.919	0.023		0.604	0.026	T	0.67	0.02	L	10.0080	0.0035	0.043	224		9.93	10.08					1 S							G
69939	8.880	0.014	8.388	0.013		0.480	0.015	G	0.55	0.02	H	8.4513	0.0017	0.013	88		8.43	8.47		C			1							S
69940	11.424	0.086	10.682	0.070		0.574	0.072	G	0.65	0.07	R	10.8956	0.0054	0.037	87		10.80	10.95		C			1							G
69941	9.326	0.014	8.265	0.009		0.920	0.013	T	0.92	0.01	L	8.3175	0.0013	0.020	177		8.29	8.35			14188−6342	I 2	1							
69942	9.149	0.013	8.659	0.012		0.461	0.016	T	0.53	0.02	L	8.7383	0.0014	0.016	128		8.71	8.77					1							S
69943	10.020	0.019	9.382	0.017		0.587	0.019	T	0.66	0.02	L	9.4160	0.0027	0.022	155		9.37	9.44					1 S							
69944	9.621	0.019	8.226	0.011		1.170	0.020	G	1.13	0.02	H	8.2868	0.0017	0.014	110		8.26	8.31					1							S
69945	9.734	0.028	7.940	0.012		1.494	0.024	T	1.52	0.04	L	7.9357	0.0021	0.018	67		7.90	7.97		R			1							S
69946	9.488	0.014	8.819	0.012		0.609	0.014	T	0.68	0.01	L	8.9002	0.0018	0.021	155		8.86	8.93					1							
69947	9.997	0.021	9.031	0.016		0.836	0.021	T	0.85	0.01	L	9.0773	0.0019	0.022	145		9.04	9.12					1							
69948	8.329	0.011	8.031	0.012		0.283	0.015	T	0.32	0.02	L	8.0957	0.0021	0.012	72		8.08	8.11					1							S
69949	7.261	0.006	7.265	0.007	*	−0.002	0.008	T	0.02	0.01	L	*	7.2724	0.0011	0.011	123	*	7.25	7.29		D	14188−5841	I 1	2 C A	AS	243	0.290	0.003	0.09	0.03	S
69950	9.947	0.027	9.538	0.028		0.387	0.036	T	0.45	0.04	L	9.5990	0.0025	0.035	79		9.55	9.65		C			1							S
69951	7.452	0.005	7.142	0.006		0.294	0.007	T	0.34	0.01	L	7.1748	0.0015	0.010	124		7.16	7.19					1							S
69952	9.925	0.032	8.862	0.021	*	0.921	0.029	T	0.92	0.02	L	*	8.8881	0.0029	0.018	71	*	8.85	8.91		D	14189+0354	I 1	2 C A	AB	152	0.425	0.007	0.41	0.04	S
69953	8.157	0.009	7.771	0.009		0.371	0.015	G	0.43	0.02	H	7.8409	0.0018	0.016	107		7.81	7.86					1							S
69954	9.709	0.014	9.255	0.014		0.442	0.016	T	0.51	0.02	L	9.2661	0.0020	0.025	232		9.23	9.31					1 S							
69955	8.231	0.007	6.989	0.004		1.060	0.006	T	1.03	0.01	L	7.0324	0.0011	0.010	167		7.02	7.05					1							S
69956	10.159	0.022	8.124	0.009		1.723	0.020	T	2.51	0.04	O	7.9103	0.0031	0.032	159		7.86	7.97		U 2			1							
69957	9.218	0.013	8.845	0.014		0.364	0.017	T	0.43	0.02	L	8.9025	0.0028	0.028	124		8.85	8.94		U 2			1							
69958	6.679	0.004	6.501	0.004		0.183	0.007	G	0.20	0.01	H	6.5322	0.0009	0.008	108		6.52	6.55					1							S
69959	8.411	0.011	7.195	0.006		1.039	0.010	G	1.01	0.01	H	7.2443	0.0007	0.010	129		7.23	7.26		C			1							S
69960	8.795	0.009	8.191	0.009		0.562	0.009	T	0.64	0.01	L	8.2572	0.0017	0.021	178		8.23	8.30					1							
69961	11.191	0.067	9.414	0.023		1.550	0.015	G	1.68	0.15	K	9.3152	0.0025	0.020	107		9.27	9.35					1							
69962	10.817	0.058	9.245	0.024	*	1.290	0.014	G	1.52	0.01	A	*	9.2091	0.0024	0.017	71	*	9.17	9.24		D	14190−0636	H 1	2 C B	AB	94	0.331	0.014	1.04	0.21	
69963						1.390	0.020	G	1.89	0.04	A		11.5939	0.0048	0.060	154		11.50	11.72		R			1							G
69964	10.210	0.027	9.405	0.021		0.712	0.026	T	0.77	0.02	L		9.4812	0.0024	0.022	92		9.43	9.53		C			1 X							
69965	6.466	0.005	5.937	0.004		0.518	0.029	G	0.61	0.02	A		5.9730	0.0005	0.007	104		5.97	5.99			14190−2549	I 1	1							S
69966	10.314	0.033	8.529	0.015		1.517	0.030	T	2.48	0.07	O		8.3227	0.0063	0.065	75		8.19	8.52		U 2			1							S
69967	10.050	0.025	9.347	0.021		0.635	0.025	T	0.70	0.02	L		9.4179	0.0030	0.023	95		9.38	9.46					1							
69968	10.961	0.051	9.109	0.020		1.540	0.043	T	1.59	0.09	L		9.0189	0.0022	0.015	80		8.99	9.04		C			1							
69969	8.242	0.012	6.971	0.008		1.082	0.011	T	1.04	0.01	L		7.0265	0.0012	0.010	94		7.01	7.05					1							S
69970	8.745	0.014	8.356	0.014		0.389	0.015	G	0.45	0.02	H		8.3872	0.0014	0.014	70		8.36	8.41		C			1							S
69971	9.382	0.018	8.782	0.016		0.559	0.018	T	0.63	0.02	L		8.8463	0.0018	0.012	105		8.83	8.87		C			1							S
69972	7.968	0.009	6.765	0.007		1.017	0.032	G	1.02	0.02	A		6.8014	0.0013	0.013	99		6.77	6.82		M			1							S
69973	7.944	0.009	7.861	0.012		0.075	0.014	T	0.09	0.01	L		7.9002	0.0014	0.014	81		7.88	7.92		C			1							S
69974	4.689	0.003	4.537	0.003		0.128	0.002	G	0.11	0.02	A		4.5624	0.0007	0.006	71		4.55	4.57					1							S
69975	10.346	0.041	9.794	0.038		0.517	0.050	T	0.59	0.05	L		9.8529	0.0031	0.026	100		9.81	9.91					1							
69976	9.962	0.028	8.718	0.016		1.061	0.025	T	1.03	0.02	L		8.7561	0.0021	0.015	63		8.73	8.78		C			1							
69977	8.461	0.013	6.544	0.005		1.591	0.011	T	1.61	0.01	L		6.4671	0.0011	0.011	116		6.45	6.49		M			1							S
69978	7.380	0.008	7.308	0.009		0.071	0.011	T	0.08	0.01	L		7.3252	0.0046	0.060	121		7.24	7.42		U 2			1							S
69979	9.462	0.014	8.770	0.012		0.639	0.015	T	0.70	0.01	L		8.8516	0.0015	0.014	124		8.82	8.88		C			1							S
69980	8.481	0.011	8.411	0.013		0.145	0.015	G	0.16	0.01	H		8.4269	0.0020	0.020	126		8.40	8.65		U 2 C			1							P
69981			9.258	0.031		1.691	0.092	G	3.04	0.76	K		8.1862	0.0248	0.201	70		7.94	8.38		U 2 C			1 S							P
69982	9.272	0.020	8.361	0.015		0.793	0.019	T	0.82	0.01	L		8.4471	0.0017	0.017	100		8.42	8.47					1							
69983	8.331	0.008	8.023	0.009		0.303	0.001	G	0.35	0.00	H		8.0786	0.0012	0.012	129		8.06	8.09		C			1							S
69984	10.570	0.052	9.376	0.030		1.022	0.047	T	1.00	0.04	L		9.3989	0.0023	0.016	59		9.35	9.44		C			1							
69985											T		11.7854	0.0052	0.071	103		11.65	11.89					1							G
69986	10.319	0.031	9.957	0.035		0.343	0.044	T	0.40	0.06	L		9.9445	0.0027	0.024	122		9.91	9.99		C			1							
69987	9.534	0.024	7.678	0.011		1.575	0.022	T	2.57	0.08	O		7.4409	0.0199	0.151	69		7.29	7.66		U 2			1 S							S
69988	10.477	0.040	9.732	0.032		0.681	0.041	T	0.74	0.03	L		9.7863	0.0035	0.025	94		9.74	9.85					1							
69989	5.867	0.002	5.439	0.002		0.385	0.011	G	0.41	0.03	C		5.4905	0.0005	0.005	149		5.48	5.50		C	14192+1300	I 1	1							S
69990	8.686	0.012	8.462	0.013		0.214	0.017	T	0.24	0.02	L		8.5032	0.0018	0.015	94		8.48	8.54		C			1							S
69991	10.669	0.038	9.818	0.029		0.747	0.037	T	0.79	0.03	L		9.8884	0.0031	0.019	100		9.86	9.93					1 X S							
69992	10.244	0.026	9.570	0.023		0.613	0.026	T	0.68	0.02	L		9.6170	0.0024	0.022	123		9.57	9.65		C			1							
69993	9.928	0.031	8.407	0.016		1.278	0.027	T	1.24	0.03	L		8.4315	0.0034	0.022	62		8.40	8.48		U			1 S							S
69994	8.108	0.007	7.940	0.008		0.153	0.010	T	0.17	0.01	L		7.9886	0.0011	0.016	161		7.96	8.02					1							S
69995	6.031	0.004	5.940	0.004		0.082	0.005	T	0.09	0.01	L		5.9688	0.0009	0.005	74		5.96	5.99					1							S
69996	3.329	0.002	3.519	0.002		−0.184	0.008	G	−0.18	0.02	A		3.4849	0.0008	0.006	70		3.48	3.50		M			1							S
69997	8.610	0.012	8.076	0.011		0.516	0.015	G	0.59	0.02	H		8.1220	0.0014	0.011	77		8.11	8.15		C			1							S
69998	7.642	0.012	7.283	0.013	*	0.340	0.017	T	0.40	0.02	L	*	7.3557	0.0012	0.008	74	*	7.34	7.37		D	14194−1831	I 1	2 C B	AB	355	3.566	0.034	3.58	0.12	S
69999	11.670	0.100	10.433	0.053		1.080	0.015	G	1.15	0.02	I		10.4824	0.0040	0.034	88		10.41	10.55		C			1							
70000	10.216	0.027	8.489	0.012		1.503	0.015	G	1.53	0.02	H		8.4605	0.0014	0.011	110		8.44	8.48		C			1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)																						Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	$\mu_{\alpha*}$	μ_δ	π	$\mu_{\alpha*}$	μ_δ	$\mu_{\alpha*}$	μ_δ	μ_δ	$\mu_{\alpha*}$										F1	F2
	h m s	±° ′ ″	mag		deg	deg	mas	mas/yr		mas		mas	mas/yr		$\alpha*$	$\alpha*$	δ	$\alpha*$	δ	π	$\alpha*$	δ	π	$\mu_{\alpha*}$										%	
1 2	3	4	5 6 7		8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28										29	30
70001	14 19 26.51	−75 10 45.3	7.72 H		214.860 450 97	−75.179 251 65	5.20	−28.62	−14.78	0.54	0.50	0.66	0.67	0.61	+ 5	−12	+ 4	−18	+16	−10	+11	+ 5	+11	+20										1	1.02
70002	14 19 26.96	−00 00 48.0	7.79 H		214.862 321 65	−00.013 342 61	0.47	−18.92	−6.96	0.83	0.59	0.99	0.93	0.72	−16	−30	−20	− 4	− 7	− 1	−15	−27	+19	−34										2	1.35
70003	14 19 27.24	+37 36 36.2	8.09 G		214.863 517 18	+37.610 047 48	7.56	−48.37	−33.18	0.51	0.63	0.94	0.59	0.75	+27	+ 5	− 9	− 2	− 5	− 8	− 5	+ 6	+ 2	+23										2	1.40
70004	14 19 27.66	−04 06 20.1	9.92 H		214.865 267 15	−04.105 570 90	−2.39	0.22	0.55	1.74	1.10	1.92	1.81	1.35	−30	−31	−11	+44	− 9	+ 1	−16	−15	+27	−35										0	1.03
70005	14 19 28.35	−24 15 40.8	9.08 H		214.868 122 04	−24.261 335 08	3.36	−14.47	0.58	0.99	0.70	1.21	1.19	0.89	−31	−20	− 5	+ 8	− 2	+28	+ 5	−29	− 7	−25										0	0.80
70006	14 19 28.69	+67 05 39.0	8.22 H		214.869 560 77	+67.094 168 63	7.18	−47.19	−6.32	0.59	0.64	0.70	0.66	0.78	− 3	+ 3	−22	−16	+ 2	−18	− 3	−16	+ 0	−22										0	−0.08
*70007	14 19 29.44	+57 24 22.7	9.14 H		214.872 651 82	+57.406 292 84	6.17	−26.21	51.10	0.70	0.79	0.90	0.75	0.90	+18	−17	−26	−19	−11	+14	−11	−18	+24	+ 2										0	0.65
*70008	14 19 29.41	+06 22 43.6	10.06 H		214.872 557 02	+06.378 784 04	2.53	0.71	7.00	1.46	1.33	1.92	1.64	1.67	−32	− 9	−30	−13	− 2	− 1	− 7	−23	+25	−49										0	−1.26
70009	14 19 29.86	+52 24 06.0	9.01 H		214.874 403 49	+52.401 671 31	2.75	9.04	−11.88	0.73	0.80	0.92	0.81	0.89	+20	−22	−12	− 2	−11	+ 3	−13	−24	− 5	− 1										0	−0.50
70010	14 19 30.00	+02 34 32.4	10.24 H		214.875 013 50	+02.575 679 80	2.02	16.00	−32.39	1.72	1.28	1.95	1.87	1.54	−10	−20	−18	−34	−18	− 4	−26	−39	+27	−32										4	0.30
70011 H	14 19 31.72	−13 42 39.0	7.39 H		214.882 147 89	−13.710 837 03 A	16.65	−190.32	−45.34	2.26	1.35	2.45	2.29	1.62	− 2	−21	−16	+ 4	+ 3	+ 6	− 2	−41	+40	− 1										6	2.35
70012	14 19 32.55	−02 15 55.2	5.14 H		214.885 622 63	−02.265 343 52	11.90	−119.29	−71.87	0.80	0.54	0.95	1.09	0.65	−27	−35	+ 7	+11	− 7	−31	−10	−17	+23	−23										0	1.14
70013	14 19 32.58	−40 57 11.2	7.78 H		214.885 752 22	−40.953 118 22	4.06	1.26	2.36	0.77	0.53	0.98	0.78	0.67	−10	−36	−11	+22	+ 3	+ 3	− 6	−18	+31	−11										0	0.78
70014	14 19 33.60	−59 45 09.4	7.97 H		214.889 987 27	−59.752 612 48	2.69	−10.28	−6.07	0.80	0.71	0.96	1.21	0.97	+13	− 8	− 9	+32	+ 4	+ 9	+ 5	+23	+10	+23										0	0.25
70015	14 19 34.20	+01 37 43.0	8.62 H		214.892 510 08	+01.628 604 82	10.26	5.95	−15.72	1.10	0.77	1.22	1.26	0.91	+ 1	−28	−19	−37	−42	+21	−41	−21	+22	−20										0	−0.74
70016	14 19 35.23	−05 09 03.2	7.58 G		214.896 808 83	−05.150 898 23	48.12	−631.74	−122.11	0.94	0.61	1.11	1.15	0.84	−11	−36	−22	+20	+ 0	+ 9	−11	−20	+29	−25										3	1.45
70017	14 19 35.74	+34 35 06.2	10.23 2 H		214.898 898 42	+34.585 063 11	12.27	−70.16	25.70	1.07	1.24	1.73	1.42	1.52	− 4	+ 0	−17	− 2	+22	−12	+21	+15	+ 6	−14										0	1.06
70018	14 19 35.91	−35 13 28.5	9.15 H		214.899 613 87	−35.224 579 95	4.77	−3.98	−55.31	1.31	0.80	1.47	1.56	1.11	+ 6	−24	−22	− 9	−11	+ 8	−19	−33	+24	−10										0	−0.98
70019	14 19 36.79	−66 48 05.6	8.06 H		214.903 290 61	−66.801 561 83	2.62	−8.30	−8.53	0.54	0.66	0.98	0.63	0.79	+35	−12	+ 0	+ 9	+18	−15	+16	+23	+ 3	+45										0	−0.23
70020	14 19 37.77	+05 53 46.8	7.64 2 T		214.907 386 50	+05.896 340 69	9.48	−54.17	−19.63	0.84	0.73	1.14	0.88	0.88	−29	−22	−32	− 1	+ 5	− 3	− 6	−24	+26	−53										0	0.64
70021 H	14 19 40.85	+23 30 16.0	8.86 G		214.920 210 93	+23.504 455 08 A	11.96	4.09	16.98	1.99	1.54	2.19	2.35	1.54	−14	−31	−25	+14	+13	−18	+ 5	+10	− 3	−24										1	2.17
70022	14 19 40.97	+00 23 03.7	6.18 H		214.920 719 57	+00.384 363 66	14.29	−37.38	−12.41	0.68	0.47	0.78	0.71	0.55	−16	−28	−10	− 8	−14	+ 6	−19	−21	+11	−31										2	−0.11
70023	14 19 42.88	+14 13 25.8	10.95 H		214.928 671 42	+14.223 819 98	−1.43	−17.16	−0.79	1.83	1.37	2.31	2.06	1.35	−21	−11	−25	+36	+30	−27	+18	−11	+ 2	−34										5	0.00
70024	14 19 44.26	−31 40 09.2	9.81 H		214.934 417 89	−31.669 218 16	14.11	−90.41	−3.34	1.24	0.96	1.52	1.69	1.35	−18	−13	− 8	−20	− 4	− 4	− 2	−45	+23	− 1										0	2.97
70025	14 19 44.29	+04 00 22.4	8.17 H		214.934 551 66	+04.006 235 77	19.22	25.64	−13.67	0.98	0.85	1.32	1.13	0.98	−35	+ 9	−40	− 6	− 3	+12	+ 0	−33	+24	−45										0	1.14
70026	14 19 44.34	−36 51 29.4	7.24 2 H		214.934 751 47	−36.858 164 13	4.27	7.89	−20.74	0.79	0.63	1.04	0.92	0.82	−11	−26	−19	+ 2	+ 5	+18	+ 7	−22	+ 0	−23										0	2.25
70027	14 19 45.32	+16 18 24.5	4.84 G		214.938 836 77	+16.306 801 18	17.12	−140.91	60.31	0.49	0.44	0.68	0.52	0.47	−22	− 7	−10	+23	+ 0	+ 5	+ 1	+19	−18	−32										2	0.53
70028	14 19 47.17	+37 56 49.3	9.83 H		214.946 558 01	+37.947 027 56	1.30	−24.07	−8.23	0.87	1.01	1.56	1.03	1.17	+29	+ 4	−10	+11	− 3	− 7	− 4	+ 5	+13	+17										0	2.15
70029	14 19 47.72	+38 47 38.7	6.33 G		214.948 825 73	+38.794 076 55	7.30	26.72	−10.18	0.39	0.44	0.60	0.47	0.52	+10	− 5	−11	+19	− 8	+10	− 7	+12	+ 4	+ 2										1	−0.54
70030	14 19 47.88	+50 15 28.8	10.63 H		214.949 496 53	+50.258 013 58	2.02	−1.03	11.75	1.05	1.08	1.35	1.20	1.13	+11	− 6	− 9	+ 0	−13	− 1	−10	+ 8	−15	− 5										0	−0.57
70031	14 19 48.19	−16 49 09.6	9.99 G		214.950 783 49	−16.819 342 66	5.64	28.43	−21.10	2.01	1.26	2.14	3.66	1.85	− 7	−25	+ 6	+13	−32	−39	−32	− 3	+27	−10										2	−0.55
70032	14 19 48.45	+11 33 09.8	9.53 H		214.951 870 13	+11.552 728 69	5.00	− 7.49	−10.04	1.10	0.85	1.22	1.27	0.97	−41	− 8	+ 9	−11	+31	+ 5	+32	− 2	− 2	−63										0	−3.01
70033	14 19 48.57	−20 52 29.3	8.12 G		214.952 371 66	−20.874 809 77	10.97	−32.10	−20.63	0.91	0.65	0.98	1.03	0.76	−30	−25	+ 1	+28	− 1	+ 6	+ 2	−16	+ 0	−23										0	0.36
70034 H	14 19 49.40	+76 42 02.1	9.09 H		214.955 849 56	+76.700 582 16 A	6.68	−24.62	4.05	1.64	1.68	1.65	1.41	1.63	− 3	− 9	−14	−20	+ 7	+ 0	+ 9	+14	− 2	−12										2	−0.21
*70035	14 19 51.70	−61 16 21.9	5.22 H		214.965 432 44	−61.272 757 14	20.69	−165.01	−88.32	0.50	0.48	0.63	0.61	0.60	+ 5	−18	− 3	+31	+ 8	+ 4	+ 7	+23	+10	+15										0	−0.98
*70036	14 19 51.69	−65 31 04.0	8.75 H		214.965 394 11	−65.517 781 01	2.12	−11.53	−5.69	0.59	0.80	1.11	0.75	0.90	+40	−10	− 1	+ 4	+13	+ 0	+10	+10	+ 3	+59										0	−0.61
70037	14 19 52.53	+49 17 56.3	8.18 H		214.968 868 55	+49.298 963 80	8.12	−58.21	35.54	0.53	0.57	0.71	0.64	0.60	+ 8	−15	− 6	+ 4	−13	+19	−11	− 2	− 8	−18										0	0.74
70038	14 19 53.25	−06 44 46.0	6.42 H		214.971 891 00	−06.746 109 82	10.82	−90.74	−23.53	0.77	0.53	0.81	0.85	0.67	− 6	−27	−18	+27	− 5	+ 1	−10	+ 0	+ 9	−18										0	2.27
70039 H	14 19 53.79	−53 24 12.3	9.13 H		214.974 141 09	−53.403 408 86 A	3.46	− 2.33	− 0.52	1.74	1.66	2.06	1.92	1.84	−12	−19	+ 5	+34	+20	+ 1	+25	−10	+13	+11										2	0.51
70040	14 19 54.62	−57 09 27.2	8.09 H		214.977 574 97	−57.157 544 93	3.44	−24.00	−15.00	0.70	0.61	0.94	0.85	0.69	+17	−30	− 8	+34	+13	− 5	+ 7	+34	+15	+31										0	0.40
70041	14 19 54.92	+67 46 56.9	6.95 H		214.978 830 54	+67.782 483 62	7.77	−36.46	4.61	0.45	0.52	0.55	0.47	0.58	−10	+ 4	−27	−18	+ 1	−17	− 3	− 5	+ 3	−21										0	0.92
70042	14 19 57.39	−73 58 06.4	6.58 1 G		214.989 115 30	−73.968 441 88	3.35	− 7.77	− 0.38	0.45	0.47	0.62	0.51	0.56	+15	−11	− 4	−15	+ 4	−26	+ 2	+ 9	+ 4	+16										2	0.65
70043	14 19 58.29	−36 51 11.7	8.92 H		214.992 893 23	−36.853 244 36	6.56	− 0.53	− 7.47	1.08	0.83	1.37	1.26	1.04	− 8	−26	−20	− 7	+ 4	+18	+ 5	−35	+ 0	−22										0	−0.66
70044	14 20 00.84	−57 52 56.3	9.74 H		215.003 518 32	−57.882 308 22	−0.05	−13.45	− 3.99	2.25	1.89	3.01	2.63	2.22	+13	−29	+ 8	+15	+ 4	−13	+ 5	+18	− 4	+35										1	
70045	14 20 00.98	+25 59 25.3	8.88 G		215.004 072 54	+25.990 368 31	1.35	0.53	− 4.21	0.92	0.76	1.17	0.95	0.79	− 4	−19	−14	−24	−15	+18	− 7	+ 9	− 6	−23										0	−1.25
70046	14 20 01.69	−08 05 09.8	8.39 H		215.007 035 21	−08.086 062 83	0.82	−35.89	9.92	1.05	0.74	1.14	1.22	0.97	−24	−21	−17	+35	−15	+11	−16	+ 5	+ 9	−30										0	1.33
70047	14 20 05.07	+03 12 48.0	9.80 H		215.021 112 59	+03.213 345 35	2.07	−25.48	− 2.69	1.86	1.48	2.20	1.97	1.55	+ 3	−18	−53	−54	−25	+17	−24	−48	+35	−17										0	0.04
70048	14 20 06.00	+48 20 59.1	9.40 H		215.025 019 70	+48.349 759 15	3.12	7.40	− 2.93	0.90	0.80	1.07	1.13	0.83	+ 5	+14	− 7	−12	−11	−13	−10	−10	− 6	−19										0	−0.22
70049	14 20 08.21	−11 03 29.9	10.10 G		215.034 225 22	−11.058 310 16	23.47	−116.40	−41.86	1.66	1.08	1.77	1.94	1.29	−18	−27	− 8	+30	+14	+13	+18	−28	+18	+ 0										0	−0.99
70050	14 20 08.36	−28 02 56.4	7.20 H		215.034 813 56	−28.048 991 41	7.30	−29.96	−18.52	0.72	0.59	1.06	0.84	0.76	−14	−13	−48	− 6	+15	−19	+ 4	−58	+50	−17										0	0.13
70051	14 20 08.67	+30 25 44.9	6.45 G		215.036 133 36	+30.429 144 36	11.52	− 9.34	− 6.68	0.55	0.49	0.70	0.70	0.51	−14	+ 3	+ 0	+12	−12	− 4	−12	+ 2	−13	−30										0	0.34
70052	14 20 09.05	−61 04 54.6	7.91 2 H		215.037 692 45	−61.081 834 44	1.32	− 4.00	− 0.69	0.72	0.72	0.94	0.79	0.93	+ 0	−29	+ 1	+19	+ 2	− 6	+ 2	+25	+ 0	+ 4										0	−0.99
70053	14 20 09.26	−04 52 07.9	9.65 2 H		215.038 591 90	−04.868 849 02	8.68	− 3.28	−89.20	1.56	1.04	1.65	1.78	1.24	−21	−19	− 3	+16	+ 5	+ 8	+ 2	−28	+ 9	−24										8	3.34
70054 H	14 20 09.71	−43 03 31.9	5.55 G		215.040 456 06	−43.058 862 02 A	8.49	− 8.95	7.66	0.84	0.60	0.85	1.09	0.72	+17	− 7	−12	−28	−16	− 3	−19	−29	+18	+ 7										3	−0.41
70055	14 20 11.16	−35 54 39.1	9.68 H		215.046 519 10	−35.910 850 49	3.94	−34.85	− 8.04	1.23	0.95	1.62	1.53	1.21	−27	+ 2	−16	+30	+ 4	+30	+ 5	−34	+11	−30										0	−0.97
70056	14 20 11.78	+01 56 45.3	8.52 H		215.049 085 69	+01.945 922 86	9.51	− 3.27	22.39	1.03	0.86	1.22	1.24	0.97	−32	+13	−19	− 3	−38	− 2	−36	+ 7	+ 2	−40										0	2.32
70057	14 20 13.09	+63 12 33.7	8.40 H		215.054 554 02	+63.209 360 58	6.29	15.24	− 5.68	0.58	0.64	0.69	0.66	0.77	+17	− 9	−23	−19	− 5	+ 4	− 5	− 6	+10	+10										0	0.54
70058	14 20 14.23	−55 47 29.0	7.07 H		215.059 294 49	−55.791 391 86	3.45	−44.44	29.52	0.59	0.51	0.73	0.85	0.60	+13	+ 1	+16	+48	+14	+19	+15	+51	+20	+50										0	1.49
70059	14 20 14.62	+66 53 39.9	8.21 H		215.060 899 48	+66.894 407 94	3.37	−22.67	8.74	0.60	0.69	0.72	0.73	0.86	+ 1	− 9	−12	−12	− 6	−13	− 7	− 8	+10	−29										5	−0.47
70060	14 20 14.90	−08 41 19.2	8.71 H		215.062 066 43	−08.688 657 16	−0.63	−13.12	− 5.01	1.15	0.79	1.21	1.22	0.96	−17	−29	+ 0	+36	− 1	− 1	− 7	+ 3	+17	−22										0	2.33
70061	14 20 15.37	+31 42 38.3	9.28 G		215.064 024 45	+31.710 631 41	5.09	−53.92	−17.28	1.65	1.77	2.52	2.53	1.86	−13	+13	+ 3	+14	− 3	+ 2	− 5	−23	− 5	−21										3	
70062	14 20 15.97	+28 29 47.3	9.49 H		215.066 562 04	+28.496 485 99	1.46	8.09	7.11	0.78	0.91	1.27	0.99	0.94	+ 2	−10	−15	−24	−16	+12	− 9	− 8	− 5	−13										0	1.07
70063	14 20 16.53	+08 17 09.7	11.56 H		215.068 889 00	+08.286 031 41 B	6.78	−106.56	18.86	170.77	82.92	3.97	124.10	56.85	−51	− 1	− 1	+ 0	+ 0	+ 0	+ 0	+ 0	+ 1	−58										0	3.40
70064	14 20 17.22	−35 23 24.5	8.01 H		215.071 740 49	−35.390 147 34	2.00	−31.13	−11.45	0.92	0.64	1.16	1.08	0.88	− 7	−20	−26	+17	− 2	+13	−11	−28	+26	−24										0	−0.62
70065	14 20 17.33	+08 17 09.8	8.62 H		215.072 228 81	+08.286 047 08 A	6.78	10.45	− 2.24	4.47	3.19	3.97	4.41	3.47	−11	−20	−15	− 9	−14	− 1	−18	−12	+13	−29										0	3.40
70066 H	14 20 17.61	+48 30 25.4	7.40 G		215.073 362 07	+48.507 041 86 A	14.05	−72.15	−13.80	1.49	1.56	1.49	1.39	1.23	− 2	+12	− 7	− 2	− 5	+ 3	− 5	+ 7	−11	−30										3	0.30
70067	14 20 18.30	−48 53 31.9	9.68 1 H		215.076 256 27	−48.892 199 89	6.08	− 8.16	1.25	0.88	0.97	1.58	1.19	1.13	−18	− 4	+ 3	− 7	+ 8	−47	+ 9	− 4	− 2	+ 4										0	0.41
70068	14 20 18.38	+54 30 19.4	9.31 H		215.076 593 42	+54.505 396 25	7.45	14.17	−80.11	0.76	0.78	0.91	0.87	0.96	+13	− 4	−11	− 5	− 1	+ 4	+ 0	+ 4	+ 6	− 2										3	−0.52
70069	14 20 19.55	−56 23 11.3	4.30 H		215.081 469 75	−56.386 479 06	2.75	− 9.29	− 7.57	0.42	0.43	0.59	0.45	0.47	+ 0	−27	+ 5	+24	+ 4	+ 3	− 3	+42	+18	+14										1	0.56
70070	14 20 20.65	−59 11 53.4	8.37 H		215.086 056 93	−59.198 168 90	7.19	9.33	−21.02	0.94	0.78	1.16	1.47	1.04	+12	−18	− 9	+17	+ 1	−15	+ 0	+28	−13	+49										0	0.06
70071	14 20 20.66	+26 59 18.1	9.55 G		215.086 103 13	+26.988 356 50	2.06	6.60	− 5.46	1.06	0.97	1.38	1.12	1.02	−14	+10	−16	−16	−24	+ 0	−15	+19	− 2	−38										0	−0.14
70072	14 20 20.82	−34 21 29.2	11.04 H		215.086 759 20	−34.358 098 20	4.13	− 5.30	−15.49	2.38	1.86	3.02	3.09	2.42	−13	−25	−14	+ 0	+ 8	−16	− 1	−47	+24	−23										0	1.49
70073	14 20 22.59	+33 17 08.1	8.84 H		215.094 129 01	+33.285 581 22	2.28	−23.48	−21.22	0.78	0.70	1.17	1.17	0.84	+ 9	−11	− 3	+28	+ 5	− 5	− 2	+ 6	−15	−27										2	0.17
70074	14 20 22.79	−60 53 22.2	8.25 H		215.094 969 14	−60.889 507 58	0.80	− 6.81	0.07	0.85	0.80	1.09	0.92	1.08	+ 8	−32	− 2	+27	+ 7	− 2	+ 9	+30	− 6	+14										0	0.32
70075	14 20 23.99	+52 10 21.7	7.95 H		215.099 950 65	+52.172 686 45	5.35	3.32	− 7.98	0.58	0.58	0.71	0.71	0.65	+13	− 7	− 1	+16	−12	+ 4	−11	+ 5	−20	− 9										0	−0.29
70076	14 20 24.51	−67 45 31.0	9.65 H		215.102 112 52	−67.758 616 71	5.42	14.92	−21.13	0.88	0.99	1.38	1.03	1.19	+40	−17	+ 4	+20	+20	−13	+19	+27	+10	+45										0	−0.12
70077	14 20 25.51	+31 08 58.7	9.57 H		215.106 285 90	+31.149 651 85	4.86	−12.74	6.46	1.00	0.94	1.28	1.27	1.02	+ 8	− 2	−12	+19	+ 8	− 1	+ 5	+ 3	− 1	+ 0										2	2.05
70078	14 20 27.59	−17 31 42.3	7.83 H		215.114 967 37	−17.528 409 91	5.48	−74.84	− 7.81	1.01	0.71	1.26	1.24	0.94	−18	−31	−23	+24	+10	−25	− 7	−39	+47	−27										0	0.79
70079	14 20 28.21	−44 31 56.3	14.08 H		215.117 557 78	−44.532 304 08	−20.09	18.84	−24.42	10.83	8.56	12.63	12.89	13.15	− 9	+17	−17	−13	+16	−32	+13	−44	− 1	− 9										6	0.76
70080	14 20 28.58	−64 20 03.7	9.35 H		215.119 101 44	−64.334 360 47	5.29	−42.69	−26.97	0.70	1.01	1.48	0.91	1.31	+44	+ 1	+10	+14	+25	− 2	+23	+24	− 1	+60										0	0.93
70081	14 20 28.94	+00 10 55.4	6.79 H		215.120 591 79	+00.182 042 38	3.96	−100.15	−78.89	0.77	0.52	0.84	0.86	0.62	−16	−16	−14	+12	− 5	+ 1	− 7	−18	+ 3	−23										2	0.70
70082	14 20 29.21	+33 34 49.5	9.09 H		215.121 701 07	+33.580 411 11	4.39	−37.13	− 7.44	0.77	0.75	1.27	1.08	0.92	+ 8	+ 7	−10	+ 3	+ 9	−23	+ 6	+ 9	−14	−12										0	−0.86
70083	14 20 31.05	+72 05 15.9	9.71 H		215.129 392 05	+72.087 752 40	1.53	10.42	−21.57	0.80	0.80	0.90	1.02	0.92	− 2	− 1	−12	−10	+ 3	+ 3	+ 5	+ 5	−11	−12										0	0.13
70084	14 20 31.21	+24 44 42.2	9.11 G		215.130 051 23	+24.745 043 19	4.41	−24.20	5.77	0.83	0.76	1.12	0.84	0.78	−28	− 1	−26	− 3	−29	+22	−19	+30	−20	−52										0	0.36
70085	14 20 31.34	+20 10 45.7	10.89 H		215.130 591 98	+20.179 366 41	4.18	−17.34	7.72	2.75	2.46	3.35	3.18	2.55	−29	− 9	−18	−12	+22	−12	+18	−23	+ 2	−39										0	
70086 H	14 20 32.36	−47 52 38.6	9.68 H		215.134 822 92	−47.877 395 67 A	0.69	− 8.11	1.56	2.61	2.69	3.71	3.04	3.07	− 1	−13	+ 4	+27	+ 9	−18	+16	− 1	− 9	+17										0	−0.23
70087	14 20 32.38	+13 54 26.0	8.60 G		215.134 900 89	+13.907 232 85	1.28	−27.47	− 3.73	0.82	0.69	1.21	0.98	0.70	−26	−16	−27	+35	+25	−36	+11	− 3	− 1	−39										0	0.34
70088	14 20 32.43	+54 40 36.2	9.07 H		215.135 108 63	+54.676 726 88	13.95	−66.74	42.05	0.73	0.74	0.87	0.84	0.87	+11	− 7	− 8	− 8	− 6	+ 5	− 5	+ 2	+ 1	− 5										0	1.69
70089	14 20 32.98	+26 34 22.3	7.56 H		215.137 400 21	+26.572 856 18	7.25	−24.09	−15.65	0.69	0.59	0.87	0.75	0.62	−18	+ 4	−15	− 4	−21	+ 4	−16	+22	− 5	−35										0	0.15
70090	14 20 33.48	−37 53 07.0	4.05 G		215.139 497 09	−37.885 267 11	13.19	−64.50	−11.39	0.69	0.52	0.86	0.70	0.66	−17	−13	+ 3	−34	− 6	+ 0	− 6	−24	−23	−18										0	0.02
70091	14 20 34.75	−58 30 57.4	7.78 H		215.144 789 33	−58.515 954 37	1.27	− 9.44	− 2.96	0.66	0.61	0.94	0.75	0.67	+15	−37	− 6	+ 8	+ 7	−16	− 1	+25	+ 7	+29										0	1.10
70092	14 20 35.93	−24 30 24.4	7.71 H		215.149 727 58	−24.506 783 87	5.19	−28.70	− 8.28	0.74	0.54	0.92	0.91	0.68	−35	−27

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
70001	7.794	0.006	7.729	0.007		0.059	0.008	T	0.07	0.01	L	7.7445	0.0012	0.012	144		7.72	7.77				1							S
70002	9.504	0.019	7.938	0.010		1.314	0.017	T	1.28	0.02	L	7.9430	0.0015	0.010	97		7.92	7.96		C		1							
70003	9.270	0.011	8.196	0.008		0.920	0.015	G	0.92	0.01	H	8.2511	0.0012	0.014	198		8.22	8.28		C		1							S
70004	11.946	0.138	10.002	0.040		1.648	0.118	T	2.33	0.33	K	9.9634	0.0032	0.029	72		9.92	10.00				1							
70005	10.272	0.028	9.180	0.018		0.944	0.026	T	0.93	0.02	L	9.2388	0.0018	0.014	93		9.22	9.28				1							
70006	8.525	0.009	8.238	0.010		0.287	0.015	G	0.33	0.02	H	8.2891	0.0016	0.014	115		8.27	8.31		C		1							S
70007	9.901	0.025	9.215	0.022		0.634	0.027	T	0.70	0.02	L	9.2721	0.0018	0.017	107		9.24	9.30				1							
70008	11.375	0.088	10.167	0.049		1.033	0.079	T	1.01	0.07	L	10.2311	0.0043	0.027	75		10.16	10.28		C		1							
70009	11.058	0.050	9.150	0.017		1.584	0.042	T	1.60	0.04	L	9.1249	0.0018	0.019	116		9.10	9.16		C		1							
70010	10.824	0.056	10.237	0.051		0.548	0.067	T	0.62	0.06	L	10.3560	0.0049	0.028	77		10.29	10.40				1							
70011	9.022	0.050	8.305	0.044	B	0.600	0.495	G	0.69	0.07	B *	7.5232	0.0014	0.009	69	*	7.51	7.54		D	14195−1343	I 1	2 C	A	AB	275	3.894	0.004	0.38	0.01	S
70012	6.458	0.004	5.259	0.002		1.023	0.002	G	1.00	0.00	H	5.3055	0.0009	0.005	69		5.30	5.31		C		1							S
70013	9.651	0.019	7.924	0.009		1.441	0.017	T	1.44	0.03	L	7.9138	0.0016	0.013	98		7.89	7.93		C		1							
70014	8.050	0.010	7.973	0.011		0.076	0.014	T	0.09	0.01	L	7.9979	0.0017	0.016	98		7.96	8.03		C		1							
70015	9.113	0.016	8.678	0.016		0.411	0.021	T	0.48	0.02	L	8.7177	0.0012	0.014	100		8.70	8.75		C		1							S
70016	8.675	0.013	7.669	0.010		0.867	0.013	T	0.90	0.02	A	7.7231	0.0012	0.011	71		7.71	7.74		C	14196−0509	I 1	1							S
70017	11.410	0.065	10.331	0.039		0.934	0.058	T	0.93	0.04	L	10.3870	0.0040	0.042	141		10.30	10.46		U		1							
70018	9.620	0.023	9.189	0.024		0.421	0.027	T	0.49	0.03	L	9.2418	0.0018	0.017	73		9.22	9.27		C		1							
70019	8.314	0.007	8.082	0.008		0.221	0.010	T	0.24	0.01	L	8.1273	0.0016	0.019	187		8.09	8.16				1							S
70020	8.066	0.021	7.676	0.020		0.407	0.001	G	0.47	0.00	H	7.7051	0.0297	0.165	83		7.59	8.00	0.24	P 1 A		1							S P
70021	9.426	0.025	8.862	0.024	*	0.557	0.037	G	0.63	0.03	H *	8.9406	0.0073	0.042	92	*	8.89	9.02		R	14197+2330	I 1	2 C	A	AB	232	4.791	0.017	2.30	0.07	S
70022	6.431	0.004	6.209	0.004		0.201	0.002	G	0.22	0.00	H	6.2481	0.0008	0.006	115		6.24	6.26		C		1							S
70023	11.669	0.095	11.021	0.084		0.601	0.109	T	0.67	0.10	L	11.0751	0.0043	0.039	120		10.98	11.14				1							G
70024	10.566	0.043	9.888	0.038		0.616	0.043	T	0.68	0.04	L	9.9379	0.0032	0.020	83		9.90	9.97		C		1	S						G
70025	8.900	0.015	8.232	0.013		0.619	0.017	T	0.69	0.01	L	8.3031	0.0022	0.015	77		8.28	8.33		C		1							S
70026	8.754	0.016	7.375	0.009		1.182	0.015	T	3.87	0.06	O	6.7529	0.0208	0.154	70		6.48	6.98		U 2	14197−3651	I 1	1	S						S
70027	6.453	0.004	4.982	0.003		1.228	0.001	G	1.16	0.00	G	5.0121	0.0005	0.005	111		5.00	5.02		C		1							S
70028	11.701	0.067	9.963	0.024		1.450	0.056	T	1.45	0.09	L	9.9596	0.0026	0.034	185		9.89	10.02		C		1	S						
70029	6.389	0.003	6.322	0.003		0.053	0.009	G	0.02	0.03	C	6.3413	0.0008	0.008	161		6.33	6.36				1							S
70030	11.170	0.059	10.629	0.057		0.404	0.072	G	0.47	0.08	R	10.7205	0.0028	0.034	120		10.66	10.77				1							G
70031	10.678	0.063	10.025	0.054		0.600	0.020	G	0.67	0.02	H	10.1040	0.0036	0.029	54		10.04	10.15				1							
70032	9.987	0.026	9.603	0.028		0.364	0.035	T	0.43	0.04	L	9.6161	0.0021	0.024	102		9.59	9.67		C		1							
70033	8.636	0.011	8.165	0.011		0.448	0.015	G	0.52	0.02	H	8.2226	0.0018	0.015	74		8.21	8.25		C		1							S
70034	9.953	0.021	9.345	0.019	*	0.567	0.025	T	0.64	0.02	L *	9.2101	0.0021	0.019	142	*	9.17	9.24		D	14198+7642	I 1	2 C	A	AB	7	1.007	0.004	0.50	0.02	
70035	5.555	0.003	5.246	0.003		0.281	0.005	G	0.28	0.03	C	5.2906	0.0008	0.006	100		5.28	5.30				1							S
70036	8.849	0.008	8.758	0.010		0.089	0.012	T	0.10	0.01	L	8.7835	0.0019	0.025	223		8.75	8.82				1							
70037	8.644	0.009	8.220	0.009		0.398	0.015	G	0.46	0.02	H	8.2720	0.0009	0.012	140		8.25	8.30		D		1							S
70038	7.592	0.009	6.537	0.006		0.915	0.008	T	0.91	0.01	L	6.5845	0.0010	0.006	71		6.57	6.60		C		1							S
70039	10.768	0.044	9.406	0.021	A						T *	9.2935	0.0027	0.025	116	*	9.25	9.33		D	14199−5324	I 1	2 C	A	AB	29	1.826	0.008	1.60	0.04	
70040	8.295	0.010	8.126	0.011		0.154	0.014	T	0.17	0.01	L	8.1422	0.0017	0.014	116		8.12	8.17				1							
70041	6.963	0.004	6.951	0.006		0.020	0.002	G	0.04	0.00	H	6.9662	0.0005	0.007	112		6.95	6.98			14199+6747	I 1	1							S
70042	6.567	0.004	6.622	0.004		−0.046	0.005	T	−0.02	0.01	L	6.6131	0.0012	0.014	149		6.60	6.64		M			1							S
70043	9.992	0.032	9.042	0.023		0.837	0.029	T	0.86	0.02	L	9.0757	0.0019	0.014	76		9.05	9.10		C			1							
70044	9.919	0.024	9.819	0.031		0.215	0.015	G	0.24	0.02	H	9.8099	0.0039	0.034	124		9.76	9.88					1 X	S						G
70045	10.442	0.037	9.033	0.020		1.240	0.015	G	1.20	0.01	H	9.0514	0.0016	0.013	91		9.01	9.07					1							
70046	9.634	0.026	8.500	0.018		0.976	0.025	T	0.96	0.02	L	8.5551	0.0016	0.013	73		8.53	8.59		C			1							S
70047	11.244	0.076	9.822	0.037		1.201	0.066	T	1.16	0.07	L	9.9660	0.0022	0.021	76		9.93	10.00		C			1							
70048	10.861	0.049	9.500	0.024		1.153	0.043	T	1.12	0.04	L	9.5633	0.0027	0.025	124		9.51	9.61					1							
70049	11.131	0.079	10.211	0.054		0.975	0.015	G	1.02	0.01	I	10.1837	0.0044	0.026	65		10.12	10.22					1							
70050	7.275	0.006	7.210	0.008		0.059	0.009	T	0.07	0.01	L	7.2270	0.0007	0.007	103		7.21	7.24					1							S
70051	6.639	0.004	6.475	0.004		0.156	0.004	G	0.12	0.03	C	6.5010	0.0008	0.008	99		6.49	6.52		C			1							S
70052	8.163	0.011	7.954	0.013		0.193	0.017	T	0.21	0.02	L	7.9765	0.0033	0.022	99		7.94	8.02		U 2 C			1							
70053	10.397	0.048	9.728	0.043		0.620	0.054	T	0.69	0.05	L	9.7811	0.0075	0.047	68		9.70	9.84		U 2			1	S						S
70054	6.625	0.014	5.595	0.008	*	0.907	0.001	G	0.91	0.00	I *	5.7092	0.0006	0.006	82	*	5.70	5.72		D	14202−4304	I 1	2 C	A	AB	301	3.530	0.007	2.34	0.03	S
70055	10.056	0.027	9.632	0.028		0.414	0.032	T	0.48	0.04	L	9.7721	0.0030	0.025	91		9.74	9.82					1							
70056	9.023	0.017	8.555	0.016		0.441	0.021	T	0.51	0.02	L	8.6140	0.0020	0.016	97		8.59	8.65		C			1							S
70057	8.589	0.010	8.414	0.011		0.168	0.014	T	0.18	0.01	L	8.4554	0.0011	0.009	106		8.44	8.47					1							S
70058	8.290	0.009	7.198	0.006		0.944	0.008	T	0.93	0.01	L	7.2375	0.0011	0.011	136		7.22	7.26		C			1							S
70059	9.862	0.020	8.348	0.011		1.273	0.018	T	1.23	0.02	L	8.3691	0.0011	0.013	113		8.35	8.39		D			1							S
70060	10.755	0.052	8.916	0.020		1.530	0.044	T	1.57	0.10	L	8.8271	0.0029	0.018	68		8.79	8.88					1							
70061	10.667	0.034	9.377	0.019		1.060	0.015	G	1.03	0.01	I	9.4553	0.0020	0.022	140		9.41	9.50		C			1 X							
70062	10.607	0.035	9.583	0.023		0.970	0.015	G	0.95	0.01	I	9.6353	0.0019	0.021	132		9.59	9.67		C			1							
70063											T	11.7490	0.0588			B				D	14203+0817	I 2	1 C L C							
70064	9.855	0.023	8.164	0.011		1.412	0.020	T	1.39	0.02	L	8.1549	0.0013	0.013	82		8.14	8.17		C			1							
70065	10.275	0.032	8.732	0.016	A	1.296	0.028	T	1.26	0.03	L	8.7722	0.0045	0.020	77	A	8.74	8.81		D	14203+0817	I 2	1 C P C							
70066	8.435	0.038	7.833	0.038	A	0.549	0.009	G	0.62	0.01	H *	7.5155	0.0009	0.011	128	*	7.49	7.53		D	14203+4830	I 1	2 C	A	AB	102	1.455	0.004	0.17	0.01	S
70067	10.271	0.026	9.704	0.026		0.534	0.027	T	0.61	0.03	L	9.7911	0.0035	0.031	116		9.71	9.85		U			1							G
70068	10.037	0.025	9.338	0.022		0.550	0.015	G	0.62	0.01	H	9.4309	0.0021	0.022	120		9.40	9.46		C			1							
70069	4.439	0.002	4.356	0.002		0.082	0.003	T	0.21	0.02	A	4.3627	0.0005	0.005	128		4.35	4.37					1							S
70070	9.386	0.018	8.474	0.014		0.809	0.017	T	0.84	0.01	L	8.5191	0.0026	0.024	114		8.48	8.56					1							
70071	10.832	0.051	9.638	0.030		1.030	0.015	G	1.00	0.01	I	9.7153	0.0028	0.029	80		9.67	9.77					1							
70072											T	11.1756	0.0061	0.044	79		11.08	11.23		C			1	S						G
70073	10.396	0.022	8.942	0.012		1.225	0.021	T	1.18	0.02	L	8.9677	0.0017	0.022	175		8.94	9.00		C			1							
70074	8.785	0.016	8.352	0.016		0.409	0.021	T	0.70	0.02	A	8.3783	0.0027	0.023	98		8.34	8.42					1							
70075	8.576	0.011	8.008	0.010		0.553	0.015	G	0.63	0.01	H	8.0728	0.0014	0.013	114		8.05	8.09					1							S
70076	10.294	0.025	9.677	0.023		0.571	0.025	T	0.64	0.02	L	9.7708	0.0023	0.026	153		9.71	9.81					1	S						G
70077	10.966	0.049	9.686	0.027		1.140	0.015	G	1.10	0.02	I	9.7058	0.0028	0.029	101		9.66	9.76		C			1							
70078	9.332	0.021	7.957	0.013		1.164	0.019	T	1.13	0.02	L	7.9980	0.0020	0.013	75		7.97	8.02		C			1							S
70079											T	14.1687	0.1530	0.421	7		13.79	14.99					1							D Y
70080	9.988	0.018	9.392	0.017		0.556	0.018	T	0.63	0.02	L	9.4764	0.0022	0.027	214		9.42	9.52					1							G
70081	8.365	0.011	6.919	0.006		1.219	0.010	T	1.18	0.01	L	6.9552	0.0014	0.009	97		6.93	6.97					1							S
70082	10.493	0.025	9.198	0.014		1.101	0.022	T	1.06	0.02	L	9.2534	0.0024	0.024	177		9.21	9.30					1							
70083	11.928	0.125	9.903	0.032		1.562	0.082	G	1.69	0.17	K	9.8146	0.0029	0.029	111		9.77	9.86					1							
70084	9.615	0.019	9.178	0.019		0.443	0.015	G	0.51	0.02	H	9.2049	0.0013	0.015	109		9.17	9.24		D			1							
70085	11.395	0.082	10.942	0.087		0.427	0.110	T	0.49	0.12	L	10.9809	0.0038	0.033	96		10.91	11.03		C			1 X							G
70086	10.380	0.030	9.940	0.031	*	0.429	0.034	T	0.50	0.04	L *	9.7771	0.0028	0.024	114	*	9.73	9.83		D	14205−4753	I 1	2 C	A	AB	270	0.945	0.006	0.26	0.02	G
70087	10.183	0.023	8.710	0.012		1.320	0.015	G	1.28	0.02	I	8.7444	0.0015	0.015	134		8.72	8.77					1							
70088	9.826	0.022	9.130	0.018		0.642	0.023	T	0.71	0.02	L	9.2011	0.0019	0.021	116		9.17	9.23					1							S
70089	7.782	0.007	7.574	0.008		0.199	0.010	T	0.22	0.01	L	7.6200	0.0010	0.013	95		7.60	7.65			14205+2634	I 1	1							S
70090	4.015	0.002	4.046	0.002		−0.030	0.015	G	−0.02	0.02	A	4.0385	0.0005	0.004	80		4.03	4.05			14206−3753	I 1	1							S
70091	7.887	0.009	7.814	0.010		0.072	0.013	T	0.08	0.01	L	7.8033	0.0012	0.014	126		7.78	7.83			14206−5831	I 1	1							S
70092	8.919	0.012	7.818	0.009		0.950	0.012	T	0.94	0.01	L	7.8775	0.0009	0.007	112		7.87	7.89					1							S
70093	11.429	0.077	9.930	0.034		1.100	0.015	G	1.06	0.02	I	10.0397	0.0036	0.032	99		9.98	10.10					1							
70094	10.172	0.024	9.656	0.023		0.494	0.025	T	0.57	0.03	L	9.7084	0.0029	0.024	122		9.67	9.75					1							
70095	10.247	0.028	9.617	0.025		0.586	0.033	T	0.66	0.03	L	9.6458	0.0028	0.035	125		9.60	9.73					1							
70096	9.404	0.021	8.822	0.019		0.558	0.015	G	0.63	0.01	H	8.8792	0.0016	0.015	80		8.86	8.91		C			1							
70097	7.663	0.007	7.703	0.010		−0.022	0.011	G	0.00	0.01	H	7.6994	0.0014	0.010	86		7.68	7.72		C			1							S
70098	10.609	0.027	9.604	0.018		0.873	0.014	G	0.92	0.01	H	9.6623	0.0019	0.026	224		9.61	9.71					1	S						G
70099											T	11.7204	0.0066	0.049	84		11.65	11.81					1							G
70100	11.707	0.115	10.589	0.064		1.006	0.005	G	1.05	0.01	I	10.6575	0.0027	0.023	89		10.62	10.70		C			1							G

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)												Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr													%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
70101	14 20 40.80	+49 50 18.3	9.10	H	215.169 991 53	+49.838 404 89		3.69	−0.41	−8.89	0.69	0.73	0.91	0.80	0.78	+ 8	− 7	−12	+ 1	−12	+20	− 8	+ 3	−17	− 8		1	−1.05
70102 H	14 20 42.13	−35 38 56.5	8.30	G	215.175 548 56	−35.649 039 54	A	11.80	−101.75	−63.10	1.36	1.00	1.59	1.56	1.21	−16	− 5	−28	+17	− 9	+16	− 8	−30	+26	−16		3	−0.31
70103	14 20 42.42	−52 19 32.8	7.33	H	215.176 735 58	−52.325 781 07		20.00	42.59	−38.21	0.57	0.54	0.78	0.68	0.76	−19	−24	+ 5	+15	+ 6	− 4	+ 6	+ 4	+ 7	−10		0	0.87
70104	14 20 42.55	−45 11 12.8	4.78	H	215.177 295 69	−45.186 881 40		21.95	37.17	−73.61	0.64	0.49	0.80	0.62	0.71	−12	−42	−13	−21	+ 7	−11	− 2	−12	+20	−33		0	0.50
70105	14 20 42.86	+57 10 52.8	8.26	H	215.178 572 62	+57.181 335 22		10.09	−18.49	−59.81	0.58	0.66	0.74	0.72	0.83	+ 9	− 7	−17	− 4	− 4	+13	− 3	+ 4	+17	+ 6		0	0.11
70106	14 20 43.87	−01 37 58.5	8.78	H	215.182 796 34	−01.632 905 08		7.21	−49.29	−6.40	1.16	0.68	1.29	1.44	0.87	−14	−40	− 3	+ 9	− 9	− 8	−14	− 8	+16	−16		0	0.26
70107	14 20 44.43	−49 49 46.8	8.83	H	215.185 133 13	−49.829 653 94		5.80	−28.00	−10.75	0.77	0.76	1.22	0.92	0.99	−23	−22	−10	+14	+11	−15	+ 9	−11	+26	− 2		0	0.16
70108	14 20 45.08	+26 04 31.9	6.79	1 H	215.187 839 35	+26.075 537 32		5.97	4.60	−2.16	0.66	0.54	0.80	0.65	0.57	−12	−10	− 2	−14	−21	+ 5	−17	+12	− 1	−29		0	−0.49
70109	14 20 45.45	+40 43 02.7	9.55	H	215.189 369 59	+40.717 417 09		10.25	−2.71	18.70	0.81	0.97	1.40	0.89	0.99	+10	− 5	−35	− 6	− 7	− 1	− 9	− 6	+19	+ 7		1	2.02
70110	14 20 46.93	+04 17 22.7	9.14	G	215.195 521 47	+04.289 630 62		5.65	8.06	−10.39	1.10	0.97	1.39	1.25	1.21	−40	− 3	−27	+ 1	+ 3	+11	− 4	−32	+17	−57		0	1.27
70111 H	14 20 47.00	−42 26 35.9	8.13	H	215.195 831 67	−42.443 300 16	C	6.27	26.81	−9.91	2.71	1.84	2.53	2.56	2.00	−31	−11	− 7	+ 9	+ 4	−13	− 2	− 8	+12	+ 3		2	0.12
70112	14 20 47.54	−42 45 00.9	9.09	H	215.198 100 31	−42.750 244 97		3.83	−26.89	−3.93	1.28	0.86	1.55	1.71	1.16	+ 3	− 5	+ 1	− 3	− 8	−27	−10	−24	+17	− 2		0	−0.66
70113	14 20 49.40	−38 34 49.0	9.40	H	215.205 849 68	−38.580 290 78	A	4.45	4.85	−7.37	2.31	1.89	2.28	2.27	2.20	−23	−21	+ 0	−11	+ 5	−11	− 1	−40	+14	−30		0	−0.74
70114	14 20 49.56	−42 15 16.8	11.99	H	215.206 483 35	−42.254 670 11	B	−26.51	44.76	−18.88	64.16	44.11	40.27	45.92	32.85	− 3	−13	+ 3	− 6	−10	−26	− 4	−30	+ 9	+ 7		0	−0.63
70115	14 20 49.90	−46 47 03.3	7.94	H	215.207 932 48	−46.784 254 16		3.63	−25.03	−4.47	0.79	0.70	1.02	0.85	1.04	− 7	−22	+ 0	− 7	+ 3	− 8	+ 4	−13	− 3	−18		0	1.19
70116	14 20 50.16	−38 34 38.5	11.62	H	215.208 991 30	−38.577 357 02	B	5.41	−2.02	−10.04	26.22	18.21	13.87	14.22	11.82	−21	−23	− 2	− 6	− 2	−18	− 7	−34	+16	−27		0	−0.74
70117	14 20 50.24	−42 15 35.0	9.82	H	215.209 322 45	−42.259 730 74	A	2.62	28.69	−9.61	3.53	2.65	3.43	3.76	2.94	− 5	− 9	+ 2	−12	− 6	−26	− 3	−31	+ 7	+ 1		0	−0.63
70118	14 20 50.37	−19 19 56.6	7.72	G	215.209 883 98	−19.332 397 80		10.94	−61.42	35.11	1.07	0.79	1.24	1.12	0.98	−23	+12	−39	+35	+ 6	+25	+32	−58	+52	+ 9		5	0.27
70119	14 20 50.56	−58 54 29.5	8.40	H	215.210 658 01	−58.908 194 34		1.87	−7.90	−5.43	0.81	0.76	1.06	1.20	0.92	+17	+ 0	− 2	+ 9	+13	−13	+ 7	+32	+ 1	+43		0	−0.43
70120 H	14 20 50.71	−42 25 29.2	7.19	H	215.211 302 08	−42.424 786 58	*	6.36	23.86	−12.23	1.16	0.78	1.06	1.14	0.80	− 1	− 7	− 3	+ 7	− 5	−12	− 4	−25	+10	+ 2		3	−0.28
70121	14 20 50.76	+36 23 32.6	7.35	H	215.211 485 35	+36.392 389 30		6.91	−36.66	−0.94	0.39	0.50	0.75	0.43	0.58	+30	+ 2	+ 1	− 1	− 8	−16	− 8	+ 7	− 7	+22		1	−0.62
70122	14 20 52.99	+18 01 02.4	10.44	H	215.220 807 29	+18.017 344 91		2.82	13.54	−10.95	1.15	1.18	1.59	1.33	1.31	−38	− 9	−18	+17	− 4	− 1	− 3	+ 6	−17	−45		0	0.25
70123	14 20 53.55	−17 28 52.9	8.31	H	215.223 142 14	−17.481 361 35		18.93	−64.47	−65.64	1.16	0.72	1.40	1.52	1.10	−10	−34	−24	+37	+ 6	−23	−17	−29	+52	−26		0	0.81
70124	14 20 55.20	−49 21 59.9	7.53	H	215.229 980 88	−49.366 638 10		9.97	−24.00	−5.74	0.65	0.57	0.94	0.80	0.72	− 5	−25	−10	+32	+18	−27	+17	− 7	+17	+ 6		3	−0.93
70125	14 20 55.54	+35 16 11.6	9.78	H	215.231 428 64	+35.269 901 96		2.46	19.75	−19.05	0.89	0.93	1.47	1.09	1.08	+14	+ 0	− 9	−21	+11	− 1	+16	+19	− 4	− 2		0	3.34
70126	14 20 55.86	−31 49 35.3	8.59	H	215.232 747 14	−31.826 471 83		3.60	−29.10	0.38	1.05	0.85	1.28	1.42	1.13	−23	+ 5	−13	− 4	+ 8	−16	+13	−50	+25	−12		0	0.46
70127	14 20 57.05	+33 17 25.8	8.01	H	215.237 695 81	+33.290 512 73		12.89	67.10	−56.81	0.59	0.56	0.97	0.91	0.69	+15	− 2	−10	+25	+ 5	− 3	− 2	+ 9	−27	−24		0	−0.11
70128	14 20 59.19	−76 41 58.2	8.48	H	215.246 622 55	−76.699 496 58		2.19	−17.08	−9.06	0.57	0.59	0.76	0.62	0.73	+ 7	−17	+ 5	+ 1	+13	− 8	+11	+ 7	+10	+23		0	0.69
70129	14 21 00.85	−17 47 35.3	9.00	H	215.253 559 80	−17.793 126 05		−0.12	−14.56	−13.70	1.21	0.83	1.50	1.54	1.24	−18	−36	−25	+10	+ 9	− 7	−11	−41	+38	−39		2	0.63
70130	14 21 01.67	+21 55 33.4	8.41	H	215.256 975 90	+21.925 938 60		4.11	−77.40	18.99	0.91	0.70	1.07	1.01	0.77	−21	− 2	+ 5	−14	−10	− 1	− 6	+ 5	−25	−30		4	1.70
70131	14 21 02.30	+21 43 12.8	9.19	H	215.259 597 67	+21.720 227 84		2.28	−27.41	4.46	1.25	0.89	1.40	1.58	0.97	− 9	− 7	+ 5	+47	+ 4	− 9	+ 3	+15	−28	− 8		0	0.28
70132	14 21 02.68	+19 43 49.3	7.64	H	215.261 183 07	+19.730 347 36		10.28	33.00	−29.41	0.66	0.63	0.85	0.78	0.68	−34	− 4	−13	+ 2	+14	−18	+10	−12	+ 4	−43		0	−0.51
70133	14 21 03.65	−62 35 13.1	8.94	1 H	215.265 214 31	−62.586 976 44		−1.19	−6.00	−4.65	0.59	0.87	1.23	0.66	0.94	+19	−22	− 1	+23	+18	−13	+23	− 4	−10	+37		0	−3.20
70134	14 21 04.14	−18 59 31.9	7.93	2 H	215.267 267 27	−18.992 190 18		−0.91	−7.55	−6.42	0.92	0.71	1.07	0.99	0.85	−21	−14	−28	+19	+16	+ 2	+17	−46	+35	−15		0	1.04
70135	14 21 04.85	+38 59 14.9	7.92	H	215.270 191 85	+38.987 481 44		9.89	−15.73	35.97	0.55	0.62	0.90	0.67	0.67	+ 3	− 2	−28	+22	−16	+20	−12	+ 7	+ 4	− 9		2	0.23
70136	14 21 04.94	+00 31 07.1	11.00	H	215.270 566 64	+00.518 626 53		16.90	−80.49	−3.99	4.90	3.92	5.89	5.53	4.61	−24	−19	−22	− 7	−11	+13	−10	−14	− 2	−40		0		
70137	14 21 05.24	−55 31 47.3	8.28	H	215.271 825 51	−55.529 811 62		8.75	−59.08	−17.97	0.63	0.58	0.86	0.69	0.60	− 6	−30	+13	+27	− 8	− 5	−14	+46	+11	+23		0	1.84
70138	14 21 05.84	−02 29 50.8	8.80	H	215.274 328 62	−02.497 451 79		0.33	9.04	4.46	1.19	0.74	1.30	1.69	0.93	− 4	−26	+ 0	− 6	−20	−24	−21	−22	+16	+ 4		0	−0.16
70139	14 21 06.72	+47 35 05.6	9.55	H	215.277 997 80	+47.584 881 46		2.01	18.79	−12.97	0.75	0.83	1.00	0.81	0.85	+13	−15	−13	−20	− 7	+ 0	− 7	−32	− 8	− 1		0	−1.74
70140	14 21 06.92	−65 49 42.4	8.12	H	215.278 843 47	−65.828 449 77		16.20	−224.85	−104.27	0.54	0.72	1.00	0.67	0.84	+39	−12	− 1	− 7	− 0	+ 2	+ 4	+ 5	− 2	+43		0	−0.64
70141 H	14 21 07.78	+67 48 10.4	7.29	H	215.282 401 53	+67.802 895 29	A	7.42	−35.19	5.51	0.65	0.73	0.70	0.62	0.78	− 2	+14	−28	−17	− 5	−16	− 9	−13	+ 3	−15		1	0.79
70142	14 21 08.95	+37 24 03.9	8.90	H	215.287 311 21	+37.401 086 32		23.65	−130.80	−24.85	0.65	0.75	1.14	0.75	0.97	+30	+ 6	+ 5	− 2	− 2	−11	− 2	+ 8	− 2	+33		0	0.26
70143	14 21 09.19	−54 01 26.7	9.45	G	215.288 288 00	−54.024 094 88		4.15	−7.64	−5.44	0.91	0.97	1.28	0.99	1.19	−25	−33	+13	− 5	+10	−13	+11	− 2	− 1	− 9		0	0.79
70144	14 21 09.31	+65 21 48.5	7.25	H	215.288 804 65	+65.363 467 83		8.45	−12.56	1.90	0.47	0.52	0.56	0.48	0.58	+ 6	−21	−18	−13	− 5	−12	− 8	−11	+ 2	− 1		0	−0.76
70145	14 21 09.38	+19 10 48.7	6.90	2 H	215.289 098 15	+19.180 183 28		2.46	−4.87	6.52	0.66	0.59	0.84	0.71	0.62	−19	+ 7	−18	+43	+12	− 2	+10	+ 6	− 2	−22		0	0.31
70146	14 21 09.64	+69 39 20.6	9.67	H	215.290 158 07	+69.655 714 63		2.72	−31.02	−17.95	0.90	0.88	0.97	1.05	1.05	+10	−16	−14	+ 4	+ 1	− 6	− 3	+35	− 3	+18		0	0.19
70147	14 21 09.72	−44 30 35.5	8.06	H	215.290 502 75	−44.509 860 19		4.58	−4.30	−17.69	0.86	0.68	1.23	0.88	1.17	+ 2	−34	−31	− 9	+15	−25	− 9	−36	+42	−35		2	2.14
70148	14 21 11.30	−64 22 24.0	8.89	H	215.297 103 05	−64.373 346 27		0.33	−7.71	−6.24	0.61	0.86	1.23	0.79	1.08	+42	−11	+ 3	+22	+24	− 1	+23	+26	− 2	+58		0	0.75
70149	14 21 11.55	−41 42 24.7	8.87	H	215.298 143 80	−41.706 872 89		8.72	−20.49	−19.20	0.99	0.70	1.22	1.04	0.85	− 8	−30	− 6	− 9	− 5	− 8	−13	−16	+27	− 5		0	−2.21
70150	14 21 12.51	+24 08 00.2	8.12	H	215.302 144 67	+24.133 395 89		4.08	−18.87	−57.94	0.90	0.64	1.00	1.10	0.67	− 9	− 8	−19	+12	+13	− 2	+12	+10	−14	−16		0	1.59
70151	14 21 13.41	+45 18 41.4	8.96	H	215.305 881 51	+45.311 492 68		1.71	−1.44	10.78	0.69	0.84	1.00	0.88	0.91	+21	− 9	−30	−18	−19	+26	−16	−37	+ 1	+ 2		0	1.29
70152	14 21 14.33	+08 58 17.9	10.60	G	215.309 727 94	+08.971 626 67		15.13	72.15	−235.17	1.72	1.19	1.87	2.00	1.44	+ 9	−23	−16	−28	−31	+25	−29	−13	+ 9	− 4		0	0.17
*70153	14 21 16.15	−11 23 54.6	7.80	H	215.317 300 45	−11.398 507 60		4.96	−7.71	−2.36	1.03	0.59	1.15	1.12	0.76	−18	−56	− 2	+ 7	− 7	+ 9	−12	−13	+15	−12		0	0.07
*70154	14 21 16.12	−83 16 45.2	8.11	G	215.317 166 17	−83.279 218 67		2.20	−10.32	−9.90	0.59	0.56	0.69	0.73	0.60	+12	−11	+ 7	+ 8	+ 9	+ 6	+ 7	+11	+ 9	+27		0	−0.55
70155	14 21 16.95	+82 44 28.6	8.95	H	215.320 614 62	+82.741 282 01		0.37	1.11	−9.11	0.76	0.83	0.88	0.94	1.12	− 9	−12	−23	+ 2	−10	+16	− 8	+ 9	+ 2	− 3		0	1.55
70156	14 21 17.19	−05 49 53.7	8.72	H	215.321 617 48	−05.831 595 95		9.52	−4.08	−15.02	1.16	0.83	1.25	1.18	1.01	− 7	−33	−20	+28	+ 1	− 8	− 7	− 4	+10	−27		0	−0.60
70157	14 21 17.42	−51 21 42.3	10.31	H	215.322 577 98	−51.361 761 11		16.92	−98.65	−94.56	1.34	1.25	2.11	1.60	1.95	−15	−30	+ 3	+ 8	+ 6	−16	+ 0	− 2	+24	− 8		0	−0.23
70158	14 21 17.72	+05 36 35.4	10.64	H	215.323 831 03	+05.609 825 90		−1.53	7.19	−15.21	1.96	1.52	2.78	1.94	1.76	− 7	−34	−47	− 2	−16	+11	−27	−22	+36	−39		0	−2.64
70159	14 21 18.37	+10 50 15.0	7.97	H	215.326 528 63	+10.837 491 12		11.03	28.30	11.47	0.99	0.83	1.26	1.31	1.10	+ 0	−12	−38	−33	−10	−16	−19	−28	+35	−24		8	2.41
70160	14 21 18.81	−34 15 13.1	8.73	G	215.328 365 45	−34.253 628 37		0.83	−17.07	2.61	1.12	0.84	1.42	1.39	1.06	+ 1	−30	−30	−15	+ 0	+ 0	− 8	−50	+30	− 6		0	−1.91
70161	14 21 18.97	−04 39 32.6	8.60	H	215.329 062 05	−04.659 045 90		0.31	−23.71	−3.84	1.09	0.66	1.19	1.24	0.87	−17	−37	+ 1	+27	− 7	− 3	−19	+ 0	+32	−18		0	1.19
70162	14 21 19.38	−05 12 55.8	7.76	H	215.330 750 20	−05.215 486 53		2.03	−17.12	−27.18	1.06	0.65	1.13	1.07	0.89	+ 1	−44	−22	+30	− 2	− 6	−20	− 9	+25	−28		0	−0.06
70163	14 21 20.03	−43 29 18.4	8.15	G	215.333 447 37	−43.488 441 15		15.37	−272.90	−24.08	0.87	0.62	1.07	0.88	0.88	+13	−33	−19	−22	− 9	−19	−22	−27	+22	−12		0	−2.24
70164	14 21 21.21	−52 19 17.3	8.56	H	215.338 394 69	−52.321 469 12		2.65	−4.68	−3.54	0.70	0.71	1.00	0.79	1.01	−20	−27	− 6	+ 3	+ 1	−10	− 3	+12	+12	−23		1	1.38
70165	14 21 21.81	+14 53 41.9	9.42	G	215.340 887 01	+14.894 973 53		3.88	−84.86	51.98	1.10	0.77	1.41	1.13	0.78	−22	−25	− 3	+57	+ 3	−18	+ 1	+21	−18	−30		0	2.60
70166	14 21 21.90	−56 57 53.4	8.94	H	215.341 237 47	−56.964 845 16		0.29	−3.63	−1.11	0.88	0.67	1.11	0.95	0.77	+15	−36	+ 1	+24	+ 9	− 3	+ 1	+26	+22	+27		0	0.08
70167	14 21 21.98	+75 03 39.1	7.71	H	215.341 574 72	+75.060 856 69		6.42	−62.04	13.97	0.55	0.53	0.60	0.53	0.60	+ 8	−25	−13	−18	−10	− 1	− 7	+18	− 5	− 3		0	0.29
70168	14 21 22.83	−63 27 34.1	8.53	H	215.345 111 16	−63.459 473 23		3.85	−22.39	−12.46	0.53	0.77	1.08	0.67	0.97	+20	− 5	+ 8	+25	+11	− 3	+17	− 4	− 3	+38		2	2.01
70169	14 21 23.39	+09 33 03.5	9.46	H	215.347 468 52	+09.550 966 09		8.69	−7.07	−0.92	1.37	0.95	1.45	1.73	1.22	+15	−26	−23	−31	−32	+19	−32	−29	+17	+ 2		2	1.01
70170	14 21 23.62	−40 23 37.6	9.03	H	215.348 400 32	−40.393 783 69		36.43	−561.67	−67.36	0.98	0.76	1.21	1.15	0.97	−27	−23	+ 1	+22	+ 2	+14	− 2	−24	+ 9	−30		0	−0.61
70171	14 21 23.78	−41 20 14.8	9.26	H	215.349 094 95	−41.337 454 01		3.60	−9.20	−9.14	0.99	0.67	1.19	1.00	0.86	−11	−38	− 7	− 6	− 7	+ 2	−14	−18	+16	−16		0	−0.09
70172	14 21 24.10	−43 18 03.4	9.13	G	215.350 409 57	−43.300 948 35		3.78	−17.17	−26.08	1.08	0.75	1.33	1.40	1.12	+14	−27	−20	−17	−12	− 4	−21	−27	+33	+15		2	−1.59
70173	14 21 27.38	+53 53 51.0	8.76	G	215.364 075 88	+53.897 491 06	B	7.14	1.11	−8.62	4.49	4.52	4.30	4.55	4.29	+12	− 2	−12	+ 8	− 7	+18	− 4	− 2	+ 9	+ 1		16	1.73
70174	14 21 28.11	+11 38 32.5	7.93	H	215.367 121 77	+11.642 353 71		9.54	−4.20	−81.52	0.83	0.71	1.12	1.05	0.88	− 9	−25	−41	− 4	+ 7	−11	− 8	−32	+36	−37		0	0.19
70175	14 21 28.54	−72 19 03.1	7.44	H	215.368 920 00	−72.317 529 72		7.80	64.35	−0.27	0.53	0.56	0.73	0.57	0.64	+21	−22	+ 1	+25	+16	−16	+15	+26	+ 6	+24		0	−1.44
70176	14 21 29.00	+53 53 53.1	8.85	G	215.370 827 08	+53.898 093 66	A	7.24	6.95	−9.67	7.72	7.89	4.59	6.07	5.57	+ 9	− 5	− 8	+12	− 5	+15	− 3	+ 8	+ 8	+ 1		16	1.73
70177	14 21 29.89	−19 40 48.5	8.75	H	215.374 553 95	−19.680 134 96		3.79	−26.44	−8.83	1.10	0.89	1.44	1.11	1.05	−17	−18	−45	+15	+10	+ 1	+ 5	−60	+48	−19		0	0.96
70178	14 21 30.00	+21 14 45.0	10.03	H	215.374 998 84	+21.245 827 21		14.06	−46.84	−25.36	1.19	1.18	1.70	1.44	1.30	−19	−16	−16	+21	+ 0	−22	+ 1	+29	−28	−24		0	1.46
70179 H	14 21 31.27	−56 38 04.8	8.58	H	215.380 294 08	−56.634 655 99	A	0.21	−9.26	−5.67	1.17	1.10	1.42	1.21	1.08	+14	−29	+ 3	+29	− 2	−13	− 4	+34	+ 6	+33		3	0.36
70180	14 21 31.61	−22 49 56.7	9.06	H	215.381 720 97	−22.832 407 70		2.05	−28.97	−11.60	1.10	0.77	1.28	1.25	1.02	−30	−34	− 3	+18	− 9	− 4	−11	− 6	+ 6	−34		0	0.47
70181	14 21 32.37	+12 45 55.8	8.67	H	215.384 857 28	+12.765 498 23		19.86	−90.40	−3.49	0.91	0.73	1.14	1.00	0.74	−53	+10	−22	−27	+39	−21	+37	−17	+ 2	−65		2	1.89
70182	14 21 32.41	−55 48 57.3	9.19	G	215.385 033 28	−55.815 915 48		6.16	−80.06	−30.60	0.87	0.76	1.15	1.18	0.87	− 1	−12	+14	+38	+ 0	+10	− 2	+45	+13	+42		0	1.50
70183	14 21 32.83	−10 22 15.9	7.58	H	215.386 787 21	−10.371 090 69		7.78	−28.01	−23.77	0.96	0.59	1.03	1.16	0.74	−17	−16	−14	+37	− 1	+18	+ 3	−24	+20	− 8		0	2.93
70184	14 21 33.25	−52 51 58.0	9.22	H	215.388 520 92	−52.866 101 71		1.59	−12.41	−4.38	0.84	0.81	1.18	1.15	1.18	−14	−27	+10	+26	+15	− 8	+13	+ 2	+15	− 4		0	0.39
70185	14 21 34.63	−16 15 30.5	13.45	H	215.394 295 35	−16.258 471 86	B	6.52	−102.53	−11.98	66.90	40.49	3.24	50.29	27.52	+23	− 1	− 2	+ 0	+ 0	− 2	+ 0	+ 0	+ 1	+36		0	−0.72
*70186	14 21 34.84	−16 15 09.8	9.65	H	215.395 156 18	−16.252 729 98	A	6.52	−38.83	−2.08	4.13	2.71	3.24	6.06	3.48	+ 9	−14	−29	−26	−13	−17	−19	−39	+12	+ 8		0	−0.72
*70187	14 21 34.78	−09 25 59.6	9.82	G	215.394 913 54	−09.433 218 01		1.38	−10.88	12.38	1.55	0.91	1.67	1.86	1.21	−14	−40	− 6	+32	− 7	−10	−17	− 7	+29	−14		0	1.16
70188	14 21 34.97	−02 23 08.1	8.42	2 H	215.395 719 38	−02.385 570 61		−0.71	−15.45	−16.42	1.09	0.73	1.19	1.57	0.89	− 9	−29	+ 9	− 9	−23	−15	−13	−21	− 9	+19		0	0.10
70189	14 21 35.11	−30 53 04.0	9.11	H	215.396 299 62	−30.884 454 57		0.98	−27.18	−6.14	1.22	0.94	1.45	1.70	1.45	−27	+ 8	−14	− 7	+16	+ 2	+15	−59	+21	−28		0	0.98
70190	14 21 37.81	+39 34 16.6	8.42	H	215.407 524 30	+39.571 286 98		8.80	−50.73	66.11	0.55	0.67	0.89	0.65	0.71	+ 5	+ 5	−19	+ 6	+ 3	+10	+ 5	+ 9	+ 9	+ 5		2	1.12
70191 H	14 21 38.66	−46 45 51.2	9.39	H	215.411 074 16	−46.764 220 89	A	7.15	−36.86	9.28	3.36	2.88	3.50	3.93	4.56	−10	+ 4	+ 2	−20	+14	−15	+17	−29	− 6	− 6		2	0.23
70192	14 21 38.83	+71 27 37.2	10.01	H	215.411 794 57	+71.460 336 14		3.12	−3.02	10.01	0.96	0.92	1.07	1.06	0.99	+ 5	− 5	−29	−18	+ 8	−16	+ 7	+11	− 6	− 6		3	0.00
70193	14 21 41.19	+19 21 45.5	8.59	H	215.421 615 42	+19.362 650 59		16.85	−80.63	−82.36	0.79	0.75	1.08	0.83	0.80	−31	− 6	−15	+28	− 3	− 2	− 4	+ 5	− 1	−36		0	0.08
70194	14 21 43.16	−49 03 41.5	9.06	H	215.429 831 97	−49.061 518 96		3.88	9.67	3.93	0.80	0.77	1.27	1.01	0.99	− 9	−18	+ 4	+16	+13	−27	+15	− 2	+12	+ 4		0	1.81
70195	14 21 43.52	−73 18 50.3	8.98	H	215.431 332 61	−73.313 963 74		3.00	−16.27	−5.38	0.76	0.84	1.08	1.00	0.98	+ 6	− 6	+ 5	− 3	+12	−19	+10	+ 9	+ 2	+23		0	−0.57
70196	14 21 43.74	−66 43 15.9	8.65	H	215.432 261 75	−66.721 097 04		9.81	−5.46	6.12	0.62	0.77	1.15	0.72	0.84	+30	−18	−24	+ 6	+20	−30	+14	+12	− 8	+39		2	−0.66
70197	14 21 44.44	−21 35 57.1	9.45	H	215.435 185 87

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
70101	9.502	0.016	9.127	0.017		0.355	0.022	T	0.42	0.02	L	9.1883	0.0015	0.016	121		9.16	9.21					1							S P
70102	9.379	0.017	8.345	0.012	A	0.870	0.150	G	0.92	0.02	L *	8.3486	0.0016	0.013	92	*	8.33	8.38		D	14207−3539	I 1	2 C A	AB	295	1.439	0.013	2.20	0.04	
70103	7.821	0.007	7.372	0.007		0.437	0.008	T	0.51	0.01	L	7.4272	0.0012	0.010	133		7.41	7.45		C			1							S
70104	5.135	0.003	4.808	0.002		0.310	0.003	T	0.36	0.00	L	4.8528	0.0009	0.006	74		4.84	4.86					1							S
70105	8.948	0.012	8.323	0.011		0.581	0.014	T	0.65	0.01	L	8.3806	0.0014	0.014	112		8.36	8.40					1							S
70106	9.478	0.021	8.868	0.019		0.568	0.025	T	0.64	0.02	L	8.9091	0.0024	0.015	85		8.88	8.94		C			1							S
70107	10.444	0.029	8.980	0.015		1.234	0.026	T	1.19	0.03	L	8.9932	0.0017	0.017	144		8.96	9.03		C			1							
70108	7.951	0.009	6.893	0.006		0.922	0.001	G	0.96	0.03	C	6.9519	0.0011	0.011	101		6.93	6.97		M			1							S
70109	10.156	0.028	9.627	0.027		0.496	0.035	T	0.57	0.04	L	9.6542	0.0022	0.027	134		9.61	9.70		C			1							
70110	9.584	0.021	9.173	0.021		0.443	0.015	G	0.51	0.02	H	9.2282	0.0023	0.018	83		9.20	9.25		C			1							
70111	8.488	0.017	8.038	0.020	*	0.424	0.024	T	0.49	0.03	L *	8.2292	0.0019	0.014	84	*	8.21	8.25		D	14208−4226	I 2	2 C A	CD	202	1.711	0.004	0.11	0.02	S
70112	9.932	0.028	9.194	0.023		0.661	0.027	T	0.72	0.02	L	9.2236	0.0022	0.018	78		9.20	9.25		D			1							
70113	9.960	0.029	9.411	0.028	A	0.520	0.030	T	0.59	0.03	L	9.5083	0.0089	0.033	91	A	9.45	9.56		D	14208−3835	I 2	1 C P A							
70114											T	11.9270	0.1697			B				D	14208−4216	I 2	1 C I B							
70115	10.041	0.031	8.133	0.013		1.584	0.027	T	1.60	0.03	L	8.0592	0.0020	0.015	86		8.03	8.08					1							
70116	11.748	0.137	11.167	0.129	B	0.543	0.166	T	0.62	0.15	L	11.7918	0.0603			B				D	14208−3835	I 2	1 C I A							
70117	10.496	0.038	9.865	0.033	A	0.587	0.043	T	0.66	0.04	L	9.9498	0.0324	0.041	86	A	9.89	10.02		D	14208−4216	I 2	1 C P B							G
70118	8.186	0.009	7.771	0.010		0.418	0.015	G	0.48	0.02	H	7.8101	0.0012	0.008	73		7.80	7.82		C			1							S
70119	8.464	0.011	8.440	0.014		0.167	0.015	G	0.18	0.01	H	8.4592	0.0021	0.019	108		8.43	8.50					1							
70120	7.349	0.008	7.199	0.008	*	0.136	0.010	T	0.15	0.01	L *	7.2442	0.0018	0.010	84	*	7.23	7.26		D	14208−4226	I 2	2 C D	AB	105	0.255	0.034	2.23	0.27	S D
70121	7.593	0.004	7.369	0.005		0.214	0.006	T	0.24	0.01	L	7.4126	0.0009	0.013	219		7.39	7.43					1							S
70122	10.807	0.049	10.522	0.059		0.271	0.072	T	0.31	0.09	L	10.5148	0.0025	0.024	86		10.46	10.55		C			1							
70123	9.085	0.018	8.391	0.016		0.628	0.018	T	0.70	0.02	L	8.4442	0.0019	0.017	77		8.41	8.47		C			1							S
70124	7.768	0.006	7.553	0.006		0.199	0.008	T	0.22	0.01	L	7.5950	0.0011	0.011	119		7.57	7.61		C			1							S
70125	11.391	0.049	9.859	0.021		1.287	0.042	T	1.25	0.04	L	9.9376	0.0023	0.033	175		9.88	10.00					1							
70126	9.894	0.026	8.706	0.017		1.018	0.024	T	0.99	0.02	L	8.7558	0.0021	0.014	75		8.73	8.79		C			1							
70127	8.501	0.008	8.062	0.007		0.414	0.010	T	0.48	0.01	L	8.1005	0.0011	0.015	179		8.07	8.12		C			1							S
70128	8.495	0.008	8.471	0.010		0.022	0.011	T	0.04	0.01	L	8.4918	0.0018	0.017	147		8.47	8.52					1							
70129	10.851	0.059	9.161	0.022		1.160	0.040	G	1.12	0.04	R	9.1629	0.0017	0.015	70		9.14	9.19		C			1							
70130	9.770	0.027	8.525	0.017		1.062	0.025	T	1.03	0.02	L	8.5806	0.0023	0.018	83		8.55	8.61		C			1							S
70131	10.812	0.061	9.339	0.027		1.241	0.052	T	1.20	0.05	L	9.3525	0.0027	0.020	84		9.32	9.39					1							
70132	8.037	0.009	7.675	0.009		0.343	0.012	T	0.40	0.02	L	7.7200	0.0014	0.015	96		7.70	7.74					1							S
70133	9.229	0.013	8.968	0.015		0.249	0.019	T	0.28	0.02	L	9.0100	0.0025	0.025	177		8.97	9.06		U			1							
70134	10.189	0.034	8.149	0.013		1.727	0.030	T	2.30	0.07	O	7.9860	0.0033	0.025	68		7.94	8.05		U 2			1 S							P
70135	8.410	0.009	7.965	0.009		0.421	0.015	G	0.49	0.02	H	8.0114	0.0015	0.015	151		7.99	8.04					1							S
70136											T	11.1318	0.0064	0.055	88		11.04	11.20					1 X S							G
70137	8.742	0.010	8.306	0.010		0.425	0.011	T	0.49	0.01	L	8.3764	0.0015	0.013	135		8.36	8.40		C			1							
70138	10.189	0.038	8.929	0.022		1.074	0.034	T	1.04	0.03	L	8.9698	0.0026	0.017	71		8.94	8.99					1							
70139	10.759	0.041	9.665	0.026		0.945	0.037	T	0.94	0.03	L	9.7148	0.0020	0.016	123		9.68	9.74		C			1							
70140	8.813	0.009	8.192	0.008		0.574	0.009	T	0.65	0.01	L	8.2452	0.0016	0.017	217		8.21	8.27					1 G							
70141	7.418	0.006	7.309	0.007	A	0.130	0.150	G	0.09	0.02	L *	7.3194	0.0008	0.008	119	*	7.31	7.34		D	14211+6748	I 1	2 C A	AC	207	1.150	0.023	3.53	0.10	S
70142	10.002	0.018	8.983	0.013		0.877	0.017	T	0.92	0.02	L	9.0414	0.0021	0.026	190		9.00	9.08					1							S
70143	10.762	0.043	9.556	0.026		1.080	0.015	G	1.04	0.01	I	9.6164	0.0020	0.020	101		9.58	9.64		C			1							G
70144	7.789	0.006	7.302	0.006		0.491	0.003	G	0.56	0.00	H	7.3613	0.0009	0.009	127		7.35	7.37		C			1							S
70145	9.033	0.015	7.081	0.007		1.619	0.013	T	1.64	0.01	L	7.0095	0.0022	0.018	91		6.99	7.05		U 2			1							S
70146	9.807	0.023	9.685	0.029		0.118	0.035	T	0.13	0.04	L	9.7120	0.0025	0.022	98		9.68	9.75		C			1							
70147	8.600	0.013	8.116	0.013		0.470	0.015	G	0.54	0.02	H	8.1670	0.0015	0.016	91		8.14	8.19					1							S
70148	9.037	0.009	8.895	0.012		0.137	0.014	T	0.15	0.01	L	8.9371	0.0016	0.021	207		8.91	8.97					1							
70149	9.211	0.015	8.899	0.016		0.325	0.015	G	0.38	0.02	H	8.9522	0.0026	0.018	91		8.92	8.99					1							
70150	9.396	0.018	8.221	0.012		1.008	0.017	T	0.98	0.01	L	8.2831	0.0018	0.014	88		8.26	8.32					1							S
70151	10.235	0.025	9.074	0.016		0.997	0.023	T	0.98	0.02	L	9.1290	0.0012	0.017	117		9.10	9.16		D			1							
70152	11.864	0.124	11.034	0.096		0.969	0.001	G	1.02	0.00	I	10.7513	0.0041	0.028	74		10.70	10.82		C			1							G
70153	8.034	0.013	7.813	0.012		0.211	0.017	T	0.23	0.02	L	7.8673	0.0013	0.008	69		7.85	7.88		C			1							S
70154	8.860	0.012	8.180	0.010		0.631	0.002	G	0.70	0.00	H	8.2315	0.0014	0.014	145		8.20	8.26					1							S
70155	10.724	0.040	9.066	0.017		1.386	0.034	T	1.36	0.04	L	9.0937	0.0024	0.023	105		9.06	9.13		C			1							
70156	9.343	0.019	8.794	0.017		0.514	0.023	T	0.59	0.02	L	8.8297	0.0020	0.016	64		8.80	8.86					1							
70157	11.460	0.089	10.355	0.052		0.945	0.081	T	0.94	0.06	L	10.4626	0.0036	0.038	124		10.41	10.53					1							G
70158	11.847	0.144	10.646	0.073		1.028	0.126	T	1.00	0.10	L	10.8119	0.0048	0.028	79		10.76	10.86		C			1							G
70159	8.437	0.011	8.012	0.011		0.401	0.014	T	0.47	0.01	L	8.0622	0.0016	0.013	76		8.04	8.08		C			1							S
70160	10.539	0.042	8.873	0.018		1.410	0.015	G	1.39	0.02	I	8.8602	0.0024	0.020	83		8.83	8.90					1							
70161	10.470	0.047	8.775	0.020		1.416	0.040	T	1.40	0.06	L	8.7382	0.0014	0.014	68		8.72	8.76		C			1							
70162	9.049	0.018	7.864	0.012		1.015	0.017	T	0.99	0.01	L	7.9306	0.0016	0.012	67		7.91	7.96		C			1							S
70163	9.032	0.014	8.219	0.011		0.725	0.002	G	0.78	0.00	H	8.2996	0.0013	0.010	90		8.28	8.31		C			1							
70164	8.689	0.010	8.580	0.012		0.098	0.014	T	0.11	0.01	L	8.5998	0.0019	0.019	138		8.57	8.64		C			1							
70165	9.999	0.027	9.493	0.025		0.460	0.015	G	0.53	0.02	H	9.5245	0.0021	0.018	97		9.51	9.56					1							
70166	9.179	0.014	8.970	0.016		0.200	0.020	T	0.22	0.02	L	9.0007	0.0016	0.019	120		8.97	9.04		C			1							
70167	9.088	0.012	7.828	0.007		1.074	0.011	T	1.04	0.01	L	7.8799	0.0009	0.010	139		7.86	7.90		C			1							S
70168	9.952	0.021	8.665	0.012		1.095	0.019	T	1.06	0.02	L	8.6962	0.0012	0.018	182		8.67	8.73					1 S							
70169	10.022	0.028	9.477	0.026		0.511	0.034	T	0.58	0.04	L	9.5734	0.0033	0.022	72		9.52	9.60					1							
70170	10.391	0.030	9.154	0.018		1.107	0.006	G	1.15	0.02	A	9.1616	0.0025	0.020	95		9.12	9.19					1							
70171	9.291	0.016	9.257	0.020		0.025	0.003	G	0.04	0.00	H	9.2784	0.0018	0.017	89		9.25	9.31		C			1							
70172	9.519	0.019	9.224	0.021		0.339	0.002	G	0.40	0.00	H	9.2281	0.0023	0.015	86		9.19	9.26		C			1							
70173	9.397	0.015	8.793	0.014	B	0.601	0.015	G	0.67	0.01	H	8.8600	0.0228	0.163	124	B	8.77	9.19		D	14215+5354	I 2	1 C P A							S
70174	8.529	0.011	7.989	0.011		0.523	0.015	G	0.60	0.02	H	8.0407	0.0011	0.010	72		8.02	8.06		C			1							S
70175	8.689	0.010	7.544	0.007		0.984	0.010	T	0.96	0.01	L	7.6010	0.0011	0.013	150		7.58	7.62		C			1							S
70176	9.459	0.018	8.870	0.016	A	0.583	0.015	G	0.65	0.01	H	8.8725	0.0229			A				D	14215+5354	I 2	1 C I A							
70177	8.928	0.014	8.759	0.016		0.154	0.020	T	0.17	0.02	L	8.8036	0.0022	0.015	69		8.77	8.83					1							
70178	10.965	0.050	10.034	0.035		0.809	0.047	T	0.84	0.03	L	10.1759	0.0035	0.033	93		10.12	10.22					1							
70179	9.928	0.027	8.760	0.018	A	0.127	0.095	G	0.93	0.02	L *	8.7392	0.0026	0.023	133	*	8.70	8.78			14215−5638	H 1	2 C D	AB	73	4.750	0.100	4.22	0.40	D
70180	10.568	0.038	9.189	0.021		1.167	0.034	T	1.13	0.03	L	9.2217	0.0023	0.016	75		9.20	9.27		C			1							
70181	9.563	0.019	8.760	0.015		0.730	0.015	G	0.78	0.01	H	8.8044	0.0019	0.020	115		8.77	8.84					1							S
70182	10.048	0.022	9.315	0.019		0.635	0.002	G	0.70	0.00	H	9.3440	0.0017	0.016	130		9.31	9.37		C			1							
70183	7.772	0.009	7.601	0.012		0.164	0.014	T	0.18	0.01	L	7.6361	0.0014	0.009	70		7.62	7.65					1							S
70184	9.282	0.015	9.199	0.018		0.063	0.034	G	0.07	0.04	H	9.2420	0.0027	0.021	125		9.20	9.28					1							
70185											T	13.5767	0.2159			B				D	14216−1615	I 2	1 C L D							D
70186	10.638	0.070	9.789	0.056	A	0.746	0.069	T	0.79	0.05	L	9.7935	0.0103	0.049	66	A	9.72	9.86		D	14216−1615	I 2	1 C P D							D
70187	11.464	0.121	9.956	0.048		1.170	0.020	G	1.13	0.02	I	9.9809	0.0031	0.024	65		9.94	10.01		C			1							
70188	10.169	0.032	8.663	0.017		1.287	0.030	T	3.34	0.05	O	8.2103	0.0051	0.094	64		8.03	8.34		U 2			1 S							
70189	11.256	0.075	9.353	0.026		1.500	0.040	G	1.63	0.16	K	9.2261	0.0024	0.022	83		9.20	9.26		C			1 S							
70190	9.626	0.015	8.544	0.010		0.936	0.014	T	0.93	0.01	L	8.5859	0.0015	0.018	153		8.55	8.62					1							
70191	10.991	0.084	9.659	0.037	*	1.130	0.072	T	1.09	0.07	L *	9.5565	0.0033	0.026	80	*	9.50	9.59		D	14216−4646	I 1	2 C A	AB	213	1.182	0.009	0.50	0.02	
70192	10.363	0.032	10.038	0.037		0.309	0.046	T	0.35	0.06	L	10.0852	0.0025	0.023	97		10.06	10.12		C			1							
70193	9.297	0.019	8.660	0.017		0.592	0.022	T	0.66	0.02	L	8.7217	0.0019	0.011	82		8.69	8.75		C			1							S
70194	9.363	0.015	9.104	0.017		0.243	0.023	T	0.27	0.03	L	9.1338	0.0016	0.018	110		9.10	9.16		C			1							
70195	10.342	0.027	9.075	0.016		1.079	0.025	T	1.04	0.02	L	9.1463	0.0024	0.023	141		9.11	9.19					1							
70196	9.211	0.012	8.705	0.012		0.486	0.013	T	0.56	0.01	L	8.7552	0.0014	0.017	184		8.72	8.79					1							
70197	9.875	0.025	9.511	0.028		0.355	0.033	T	0.42	0.04	L	9.5357	0.0018	0.016	71		9.50	9.56					1							
70198	10.560	0.031	8.969	0.014		1.357	0.028	T	3.06	0.07	O	8.5980	0.0217	0.165	140		8.42	8.86		U 2			1 S							
70199	11.297	0.081	9.784	0.033		1.342	0.021	G	1.31	0.02	I	9.7831	0.0024	0.020	92		9.76	9.83		C			1							
70200	10.557	0.035	9.373	0.021		1.015	0.032	T	0.99	0.03	L	9.4500	0.0017	0.021	126		9.42	9.48		C			1							S

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg		Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)										Soln F1 %	F2
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
70201	14 21 46.66	−51 09 07.3	8.40	H	215.444 416 58	−51.152 035 20		7.08	19.85	5.58	0.71	0.66	1.12	0.81	0.97	−22	−24	+	4	+	0	+	0	−23	−	3	−	1	+14	−12	0	1.86
70202 H	14 21 48.33	−48 04 18.6	8.44	1 H	215.451 388 88	−48.071 830 66	*	11.06	−36.62	−19.88	0.64	0.74	1.14	0.81	1.03	−31	−29	+	8	+19	+	0	−38	+	6	+	6	−	7	−19	0	0.28
70203	14 21 48.55	−61 32 58.6	8.72	2 T	215.452 297 17	−61.549 610 80		0.33	−2.45	−5.29	0.82	0.91	1.16	1.15	1.16	+	5	−	6	−10	+14	+	5	−	2	+	6	+15	−	9	+30	0	−1.97
70204	14 21 49.23	−10 40 00.5	7.99	H	215.455 107 65	−10.666 795 45		6.30	14.78	−1.31	0.95	0.63	1.08	1.17	0.80	−20	−22	−14	+24	−	1	+18	+	1	−25	+21	−	9			0	3.80
70205	14 21 49.91	−27 01 21.7	11.54	H	215.457 972 09	−27.022 696 07		19.76	−307.30	−157.26	2.54	1.79	3.22	2.93	2.66	−22	−28	−13	−	1	+	5	−	7	−	7	−38	+31	−30		2	0.22
70206	14 21 50.89	−61 02 11.7	9.67	H	215.462 031 80	−61.036 586 23		3.14	−0.56	−2.45	1.08	1.08	1.48	1.24	1.46	+17	−23	−12	+	6	+	1	−10	+	1	+11	−	8	+14		3	1.84
70207	14 21 51.29	−53 06 15.0	8.74	H	215.463 695 56	−53.104 172 48		8.41	10.13	−5.75	0.75	0.77	1.09	0.88	1.07	−20	−30	+	5	+	8	+12	−12	+	9	−	6	+14	−14		0	1.22
70208	14 21 51.42	−13 10 56.3	8.52	H	215.464 240 85	−13.182 317 97		0.57	−4.85	1.31	1.23	0.67	1.39	1.08	0.80	−19	−61	+	4	+12	+	0	−	3	−16	−19	+31	−10		2	−0.91
70209 H	14 21 51.53	+03 54 33.9	11.16	3 H	215.464 728 39	+03.909 412 06	B	7.83	−26.93	4.71	9.32	8.00	8.94	9.50	6.30	+	4	−35	−37	−57	−39	+40	−29	−57	+39	+10			47	0.48
70210	14 21 53.44	−46 00 55.3	8.90	H	215.472 674 20	−46.015 366 32		5.07	27.74	−33.06	1.07	0.83	1.47	1.01	1.19	−	3	−53	−23	+	5	+16	−22	−	8	−18	+34	−29		2	0.17
70211	14 21 53.98	+58 25 03.6	11.91	H	215.474 918 20	+58.417 654 00		7.58	−138.41	−170.33	1.57	1.72	1.87	1.70	1.89	+22	−11	−16	−11	−	8	+	9	−	8	−10	+13	+	9		0	−0.32
70212	14 21 54.48	+33 34 35.6	9.04	H	215.477 016 84	+33.576 551 17		2.63	7.34	−5.11	0.75	0.76	1.22	1.08	0.89	+	0	+	1	−15	+	2	+12	−25	+	5	−	1	−15	−18		2	−0.14
70213 H	14 21 54.68	−64 17 05.4	7.92	H	215.477 836 15	−64.284 823 23	A	5.09	−45.69	−42.78	0.98	1.22	1.65	1.14	1.39	+29	−23	+	6	+14	+12	−18	+15	+22	−14	+51			4	0.52
70214	14 21 54.91	−36 09 21.6	10.11	G	215.478 795 97	−36.155 987 44		11.51	−292.80	−137.26	4.44	3.27	5.42	5.50	4.04	−10	−23	−20	+	4	+	0	+14	−	2	−32	+	4	−26		0		
70215	14 21 55.59	−63 09 31.5	7.62	H	215.481 639 79	−63.158 756 03		1.09	−5.82	−5.23	0.41	0.61	0.84	0.47	0.70	+21	−14	−	2	+39	+18	−	9	+24	−	1	−	3	+39		0	0.68
70216	14 21 56.12	+12 29 25.4	8.81	H	215.483 844 44	+12.490 400 20		10.62	26.08	−30.29	1.06	0.74	1.21	1.14	0.76	−41	+11	−22	−	8	+35	−23	+32	−12	+	9	−59			4	1.17
70217	14 21 56.54	−58 56 59.4	8.69	H	215.485 601 26	−58.949 829 83		2.96	−9.37	−6.42	0.87	0.72	1.14	1.44	0.97	+17	−	6	+	0	+	1	+	2	−14	−	3	+17	−	6	+56	0	0.20
70218	14 21 57.64	+29 37 49.3	8.56	G	215.490 167 51	+29.630 364 97		69.43	−631.45	−307.15	1.08	0.78	1.08	1.12	0.78	+12	+	0	+12	−62	−21	−	6	−	5	−25	+	0	−22		0	−0.35
70219	14 21 58.24	−46 28 17.8	9.23	H	215.492 679 04	−46.471 622 55		14.14	−142.39	26.84	1.10	0.95	1.48	1.18	1.58	−15	−33	−	8	+	3	+13	−	5	+10	−18	+12	−29		0	1.53
70220	14 21 58.61	−01 59 17.0	6.82	H	215.494 209 10	−01.988 068 36		8.16	−59.82	−6.41	0.79	0.53	0.86	1.05	0.64	−	6	−19	−20	+	0	−10	−12	−12	−	1	+	3	−	5	0	1.73
70221	14 21 59.86	+53 31 16.2	7.55	H	215.499 436 21	+53.521 170 91		1.83	−2.57	6.53	0.55	0.53	0.64	0.66	0.59	+14	−	4	+	2	+18	−	4	+10	−	6	+	0	−13	−	5	4	−0.57
70222 H	14 22 01.19	+51 06 40.6	7.82	H	215.504 974 91	+51.111 285 80	B	6.60	19.00	45.56	1.61	2.18	1.63	1.52	2.29	−	6	−	2	−10	+21	+	0	−11	+	2	+32	+	1	−13	1	0.76
70223	14 22 01.48	+57 36 52.4	8.46	H	215.506 172 35	+57.614 563 20		7.50	−57.76	17.65	0.67	0.66	0.80	0.73	0.79	+	9	−	9	−17	+	0	+	1	+	3	+	0	−	4	+18	+	5	1	1.00
70224	14 22 01.61	+19 48 18.8	7.94	H	215.506 712 16	+19.805 236 05		7.51	0.18	−36.52	0.80	0.76	1.03	0.95	0.85	−37	+	5	−21	−	7	+	5	−15	+	3	−	4	+	8	−47	2	−1.16
70225	14 22 01.64	−28 18 30.4	6.80	H	215.506 820 01	−28.308 431 95		4.77	−93.82	−4.00	0.73	0.56	1.02	0.94	0.76	−20	+	2	−39	+	5	+	3	−	3	+10	−49	+47	−	2	0	0.74
70226	14 22 02.30	−08 05 28.6	7.20	H	215.509 585 23	−08.091 280 31		4.61	−71.24	−26.57	0.89	0.61	0.93	1.01	0.77	−18	−20	−	4	+32	+	3	+	4	+	3	−18	+	6	−19	2	0.82
70227	14 22 02.67	−44 52 19.8	9.36	H	215.511 104 34	−44.872 161 78		11.32	−23.17	−39.63	1.14	0.85	1.52	1.35	1.43	+	3	−28	−22	−21	+	3	−	7	−	9	−17	+43	−10		0	0.11
70228	14 22 03.02	−58 17 28.4	7.42	2 H	215.512 591 82	−58.291 209 37		−0.54	−4.98	−2.72	0.61	0.56	0.83	0.64	0.60	+11	−31	−	6	+26	+10	−13	+	7	+26	+	5	+21		0	0.65
70229	14 22 03.48	−44 39 31.1	7.76	H	215.514 497 85	−44.658 650 63		1.75	−16.69	−22.77	0.91	0.70	1.13	0.90	1.04	+	0	−19	−17	−11	+11	−26	+	3	−23	+24	−30		0	0.20
70230	14 22 04.53	+31 52 22.7	9.26	H	215.518 880 55	+31.872 975 92		9.74	−62.02	−41.34	0.70	0.80	1.12	1.07	0.89	−16	+16	−	6	+11	−	1	+15	−	4	−11	−19	−23		0	0.05	
70231	14 22 06.00	−29 55 32.5	10.12	H	215.524 983 24	−29.925 700 60		−7.87	−9.91	9.23	4.28	3.60	5.41	4.98	4.67	−27	−	4	−31	−	3	+17	−	1	+24	−61	+39	−13		4		
70232	14 22 11.25	+05 30 26.8	11.03	H	215.546 879 10	+05.507 438 84		2.80	−8.63	10.03	2.38	1.80	3.39	2.26	2.32	−17	−39	−31	−	3	−	8	+	6	−27	−22	+43	−45		0	0.24	
70233 H	14 22 12.87	+05 13 29.0	9.24	H	215.553 615 06	+05.224 729 08	*	8.84	−54.60	25.73	3.59	2.53	2.02	1.81	1.80	−49	−	7	−	5	−21	+15	+	8	+17	−37	+12	−59		0	0.16	
70234 H	14 22 13.50	+13 50 03.6	8.81	H	215.556 253 86	+13.834 335 97	*	3.51	21.79	2.72	2.97	2.45	1.54	1.25	1.00	−50	−10	+	3	+41	−	3	−23	−	3	+38	−	1	−43	0	−0.25	
70235	14 22 13.88	+35 38 55.5	8.13	H	215.557 850 90	+35.648 742 15		20.43	39.31	25.35	0.83	0.84	1.27	0.94	0.96	+	8	+	3	−	3	+43	+	5	−10	+11	+	1	−	8	−	5	0		
70236	14 22 14.03	+29 22 11.9	6.50	2 H	215.558 446 76	+29.369 984 00		4.60	−38.76	−26.30	0.62	0.52	0.76	0.64	0.54	−	7	−	9	+	4	−48	−	3	+	1	+	6	−	6	−10	−24	0	1.97	
70237	14 22 14.90	−62 24 39.6	9.56	G	215.562 065 49	−62.411 005 43		−2.29	−2.60	−2.95	0.94	0.98	1.46	0.99	1.10	+23	−37	−25	−	8	+14	+	6	+12	+	5	+	3	+35		0	−0.55	
70238	14 22 15.39	−47 07 59.5	8.37	H	215.564 117 07	−47.133 205 11		10.50	3.40	1.60	0.83	0.80	1.25	1.10	1.19	−16	−16	−	5	+11	+	4	−18	+	5	−	2	−	2	+	4	2	0.80	
70239	14 22 17.10	−69 05 06.6	7.35	H	215.571 236 95	−69.085 162 20		17.19	−99.94	−45.08	0.48	0.55	0.75	0.58	0.67	+26	−11	+	0	+12	+	5	−	6	+	5	+	9	+	4	+42	0	0.10	
70240	14 22 17.71	+41 27 02.3	8.68	2 T	215.573 788 98	+41.450 631 61		2.58	9.89	−11.89	0.63	0.79	1.03	0.78	0.89	+	2	+	8	−36	−	3	+	2	−	3	+	1	−16	+15	−	2	0	−0.41	
70241	14 22 17.91	−42 01 25.7	9.25	H	215.574 623 05	−42.023 811 61		3.37	−10.38	1.32	1.09	0.87	1.37	1.30	0.96	−10	−18	+16	+	6	−	5	−18	+	0	−19	+	7	+	4	2	−0.76	
70242 H	14 22 18.99	−36 08 00.5	9.49	H	215.579 109 85	−36.133 486 11	A	2.33	42.32	−36.90	2.15	1.74	2.50	2.39	2.03	−14	−24	−13	+21	+	8	+	3	−	4	−36	+12	−36		1	0.78	
70243	14 22 19.74	−34 47 12.4	5.57	H	215.582 239 47	−34.786 791 52		2.65	−26.28	−0.33	0.71	0.49	0.91	0.80	0.65	+	5	−30	−34	+	6	+	0	+	0	−14	−38	+45	−	8	4	−0.92	
70244	14 22 19.79	−62 14 43.6	9.47	H	215.582 459 18	−62.245 443 89		2.99	0.33	0.80	1.03	0.94	1.41	1.10	1.13	+21	−31	−17	+	9	+16	+12	+16	+12	+	9	+38		0	−0.34	
70245	14 22 22.30	+66 32 46.7	8.00	2 H	215.592 935 67	+66.546 298 74		1.71	8.23	−8.59	0.59	0.79	0.76	0.77	1.01	+	1	−	5	−29	−	8	−	8	−	1	−	6	+	3	+	8	−28	0	−0.23	
70246	14 22 22.51	+07 00 19.6	8.82	H	215.593 788 18	+07.005 452 78		8.79	13.12	1.57	0.88	0.68	1.14	0.89	0.87	−18	−38	−10	−	3	−18	+21	−25	+	5	+23	−34			0	0.89	
70247	14 22 22.99	+56 53 15.4	8.76	H	215.595 806 95	+56.887 619 85		3.55	−12.96	8.05	0.63	0.69	0.78	0.77	0.85	+15	−	5	−20	−18	−11	−11	−13	−	8	+	6	+	4		0	0.48	
70248	14 22 23.20	−80 06 32.1	5.06	1 H	215.596 654 20	−80.108 911 00		5.92	−10.89	−14.13	0.43	0.42	0.53	0.43	0.48	−	4	−25	+	9	−12	+	7	−	5	+	6	+	3	+	9	−	4	1	1.47	
70249	14 22 25.48	+03 27 17.8	8.45	H	215.606 164 47	+03.454 934 12		5.43	−33.94	−0.05	1.45	0.97	1.44	1.49	1.12	+22	−29	−47	−64	−32	+21	−35	−55	+38	−	3			0	0.91	
70250	14 22 26.35	−38 38 54.8	8.90	2 H	215.609 811 56	−38.648 547 39		−0.30	−0.13	−4.26	1.09	0.85	1.38	1.10	1.09	−24	−30	−11	−17	+11	+14	+	8	−42	+	6	−33		0	1.19	
70251	14 22 26.77	+15 57 00.7	9.81	H	215.611 529 73	+15.950 192 66		6.91	−26.12	−40.46	0.98	1.03	1.33	1.04	1.16	−41	−10	−	8	+32	−15	+	2	−13	+32	−15	−53			2	0.45	
70252	14 22 28.93	+60 57 57.3	7.40	H	215.620 523 86	+60.965 903 92		23.48	−9.72	−79.76	0.50	0.57	0.60	0.57	0.68	+23	−19	−19	−15	−	8	+	3	−	7	−	8	−	2	+15		1	0.28	
70253	14 22 29.76	+55 52 11.0	8.22	G	215.623 997 01	+55.869 712 27		24.37	−233.88	165.22	0.63	0.60	0.71	0.83	0.72	+10	−	6	−11	+	2	−20	+	9	−16	+11	−13	−	7		0	0.47	
70254	14 22 30.02	+43 12 36.4	8.29	2 H	215.625 080 49	+43.210 107 17		3.34	−34.85	2.16	0.61	0.71	0.93	0.70	0.75	+27	+	0	−24	+	6	−12	−12	−16	−13	−	4	+23		0	−2.12	
70255	14 22 30.16	+65 35 08.1	10.34	H	215.625 673 10	+65.585 591 42		20.13	−211.22	269.48	0.96	1.16	1.21	1.03	1.45	+	1	+	1	−15	−10	+	2	−18	−	1	−	4	+17	−	6	1	−0.39	
70256	14 22 30.51	−07 36 32.0	9.35	G	215.627 116 76	−07.608 886 59		1.04	−12.92	−11.33	1.55	0.86	1.58	1.84	1.12	+	2	−29	−23	+44	+	3	+16	+	3	−	9	+18	+	0	0	0.34	
70257	14 22 30.73	−31 42 49.6	7.97	G	215.628 034 50	−31.713 779 42		10.19	−106.71	−38.64	0.88	0.64	1.08	1.40	1.01	−15	−	1	−22	−	6	−	3	−	4	−	1	−46	+32	−10	0	−0.86	
70258	14 22 31.81	−03 43 37.5	9.27	G	215.632 538 88	−03.727 085 46		2.23	6.45	15.75	1.25	0.75	1.35	1.30	0.95	−23	−37	−	4	+43	+	0	−	6	−12	−	9	+30	−29		0	0.46	
70259	14 22 32.37	+25 33 00.2	8.14	H	215.634 894 30	+25.550 066 75		12.13	−37.42	−17.69	0.78	0.60	0.97	0.72	0.64	−15	−20	−13	−36	−23	+16	−	9	+13	−	5	−49		0	−0.90	
70260	14 22 34.26	+20 31 23.2	8.19	H	215.642 756 43	+20.523 116 47		5.29	17.33	−4.70	0.78	0.70	1.01	0.88	0.78	−21	−18	−15	+11	−14	+	2	−10	+19	−12	−38			0	2.12	
70261	14 22 34.76	−20 45 27.6	6.80	H	215.644 813 46	−20.757 653 30		6.87	−35.55	18.33	0.79	0.73	1.01	0.97	0.84	−45	+	4	−38	−13	+25	−24	+29	−65	+43	−31			0	0.33	
70262	14 22 36.07	−50 11 46.7	9.93	H	215.650 288 79	−50.196 314 44		2.93	2.21	−8.42	1.91	1.94	3.02	2.35	2.59	−37	−16	+	3	−10	+13	−17	+16	−22	+	7	−	6	0				
70263	14 22 36.47	+14 14 50.0	9.75	H	215.651 964 53	+14.247 218 17		1.85	10.48	−7.15	1.07	0.84	1.50	1.18	0.84	−33	−24	−	8	+48	+	5	−21	+	2	+24	−23	−38		1	1.06	
70264 H	14 22 37.12	−58 27 33.0	4.76	H	215.654 674 85	−58.459 158 34	A	11.56	−47.03	17.03	2.57	2.07	3.09	2.58	2.30	+24	−33	−12	−	2	−10	−26	−11	−	8	−10	+36			11	5.52	
70265	14 22 37.22	−55 07 11.0	9.91	H	215.655 100 75	−55.119 708 41		−1.93	−4.79	−1.84	0.98	0.89	1.46	1.17	0.99	−12	−33	+16	+25	−10	−19	−11	+36	+	2	+27		0	0.84	
70266	14 22 37.78	−79 42 56.9	7.48	2 H	215.657 417 27	−79.715 803 53		2.69	7.13	1.88	0.55	0.54	0.67	0.66	0.63	+	7	−10	+10	+	5	+18	−	3	+18	−	3	+	9	+16	0	−0.09	
70267	14 22 37.89	+59 46 46.5	7.66	H	215.657 861 66	+59.779 583 71		4.62	−17.28	4.10	0.57	0.62	0.69	0.57	0.68	+10	−12	−23	−19	+	3	−	4	+	0	−10	+14	+11		0	2.02	
70268	14 22 38.27	+32 30 12.8	7.07	H	215.659 451 42	+32.503 561 48		7.95	−67.08	−25.82	0.41	0.48	0.75	0.61	0.60	+	7	+13	+	2	+16	+	4	−	8	+	1	+11	−18	−	4	0	0.20	
*70269 H	14 22 38.65	−07 46 04.3	6.82	G	215.661 061 81	−07.767 852 16	A	22.81	15.61	−133.80	2.12	1.35	1.89	2.35	1.40	−11	−20	−	8	+39	+	1	+14	+	0	−	2	+	3	−19	9	0.65	
*70270 H	14 22 38.72	−48 19 11.4	6.10	1 H	215.661 332 62	−48.319 845 96	A	1.35	−6.27	−4.42	0.59	0.58	0.79	0.60	0.71	−14	−18	−	4	+14	+10	−24	+11	−	9	−	7	−16		1	0.44	
*70271 H	14 22 38.63	−73 33 20.9	7.68	H	215.660 961 58	−73.555 805 25	A	3.35	−14.35	−7.40	1.14	1.07	1.33	1.07	1.12	+	8	−18	+	9	+	2	+	3	−14	+	4	+	9	+	7	+25	1	1.86	
70272	14 22 38.97	+03 40 44.2	8.29	H	215.662 389 58	+03.678 931 57		0.89	29.44	−36.29	1.28	0.91	1.36	1.34	1.07	+	4	−14	−35	−54	−18	+	3	−23	−50	+32	−18		0	−0.83	
70273	14 22 41.44	−26 47 12.1	7.86	H	215.672 673 10	−26.786 700 61		3.39	−15.12	4.00	0.87	0.62	1.04	1.01	0.84	−24	−27	−	5	−10	+	3	+17	+	3	−35	+	2	−24		2	−1.72	
70274	14 22 41.93	+38 28 54.4	8.86	G	215.674 708 32	+38.481 777 79		1.30	7.28	2.08	0.63	0.77	1.03	0.80	0.88	+	4	+	6	−20	+16	−	9	+18	−	5	+21	+	0	+	0	0	−0.87	
70275	14 22 42.99	−08 14 53.5	9.67	G	215.679 136 58	−08.248 191 94		−1.88	3.32	−9.66	1.39	0.85	1.40	1.48	1.11	−	2	−26	−14	+35	+	2	+	4	−	6	−	3	+19	−18	0	0.89	
*70276	14 22 43.26	−30 35 55.9	9.95	H	215.680 269 41	−30.598 855 97		3.20	−7.24	−20.59	1.53	1.11	1.95	1.91	1.53	−16	+	7	−40	−11	−	3	+15	+13	−62	+50	+10		0	−0.55	
*70277	14 22 43.21	−55 25 52.1	7.21	H	215.680 022 70	−55.431 135 71		1.72	−16.43	−9.04	0.52	0.50	0.70	0.55	0.54	−	9	−23	−	1	+29	−11	+	0	−14	+44	−	1	+12		0	0.03	
70278 H	14 22 43.34	+02 16 28.6	7.51	G	215.680 574 14	+02.274 617 15	A	11.83	25.66	17.24	1.17	1.00	1.36	1.34	1.11	−17	−30	−26	−28	−	6	+14	−12	−38	+39	−40			2	0.01	
70279	14 22 45.31	+36 14 31.2	9.73	G	215.688 800 16	+36.242 004 10		13.01	119.50	−38.14	0.77	0.92	1.38	0.84	0.93	+16	+	7	+17	+	8	−12	−12	−	8	+17	−	5	+	2		0	1.92	
*70280	14 22 45.77	−37 08 57.7	9.14	H	215.690 726 84	−37.149 374 60		9.81	−60.89	−46.04	1.11	0.75	1.28	1.23	1.03	−	2	−	2	−	3	−36	−	9	−16	−14	−34	+	4	−14	0	−0.03	
*70281	14 22 45.73	−12 03 21.6	7.96	H	215.690 559 42	−12.056 007 74		4.37	−5.86	−3.52	1.01	0.71	1.05	1.20	0.85	−32	−16	+	9	+36	+	6	−	2	+	8	−18	+13	−25		0	−0.22	
70282	14 22 46.42	−00 38 13.6	6.74	G	215.693 434 51	−00.637 099 53		7.58	−58.19	−13.31	0.93	0.55	0.98	1.10	0.61	+	3	−22	−33	−11	−22	+18	−18	−13	+	5	−	2			2	1.14	
70283	14 22 46.93	+64 16 33.9	7.66	H	215.695 548 68	+64.276 083 46		6.81	21.31	−42.30	0.53	0.57	0.62	0.58	0.60	+22	−24	−24	−	9	−11	−	3	−12	−	9	+	3	+	4	1	0.10	
70284	14 22 48.68	+46 06 58.2	8.53	H	215.702 829 39	+46.116 165 07		1.04	−9.46	−19.61	0.65	0.70	0.91	0.79	0.73	+19	−	4	−28	−	6	−22	+	7	−20	−14	+10	−	4		0	0.72	
70285	14 22 49.07	−01 34 17.5	8.71	H	215.704 455 21	−01.571 528 61		1.12	−18.41	−8.28	1.08	0.71	1.17	1.55	0.88	−	6	−19	−19	+	5	−12	−	8	−10	−13	+	3	+	6	0	0.32	
70286	14 22 49.34	+17 27 12.2	8.26	H	215.705 581 26	+17.453 380 18		2.60	−14.03	−4.51	0.82	0.72	1.13	0.85	0.73	−35	−12	−13	+10	+	9	+	8	+11	+	5	−16	−43			2	1.04	
70287	14 22 49.71	+14 56 20.2	7.54	2 H	215.707 134 05	+14.938 940 10		7.38	−21.31	−6.12	0.72	0.53	0.92	0.77	0.58	−25	−18	−	6	+52	+	4	−11	+	0	+18	−19	−39		0	0.98	
70288	14 22 50.07	−18 03 28.9	9.22	G	215.708 632 59	−18.058 017 53		3.37	−8.84	−16.80	1.20	0.80	1.38	1.53	1.18	−19	−25	−14	+	1	+14	−11	−	2	−45	+27	−40			2	1.38	
70289	14 22 51.93	−39 37 26.2	6.83	H	215.716 361 38	−39.623 945 74		4.07	−37.18	−18.47	0.64	0.56	0.83	0.65	0.72	−30	−33	−	8	−	1	+13	+	8	+	9	−33	+	2	−44	0	0.98	
70290	14 22 52.24	−55 57 44.3	7.84	2 H	215.717 681 34	−55.962 304 43		0.94	−0.10	−7.39	0.64	0.57	0.88	0.76	0.63	+	1	−23	+14	+29	−	1	+	7	−	7	+45	+13	+35		0	0.51	
70291	14 22 52.92	+53 48 37.4	9.30	3 T	215.720 495 06	+53.810 395 01		0.87	5.44	−12.01	1.18	1.30	1.50	1.26	1.55	+	8	−14	+10	−	6	−	2	+	9	+	0	+	1	−14	−	2	0	−1.05	
70292	14 22 53.38	−25 10 46.6	9.41	G	215.722 429 03	−25.179 612 57		14.04	−176.93	−99.37	1.03	0.76	1.23	1.29	0.98	−28	−14	−	7	+	0	−	1	+11	+	3	−36	+	1	−20	0	−0.37	
70293 H	14 22 53.67	+09 43 19.9	9.49	H	215.723 605 17	+09.722 204 34	A	3.94	−29.92	−0.29	2.55	2.36	2.81	2.75	2.62	−11	−21	−29	−27	−	1	+11	−	5	−41	+37	−32		2	0.28	
70294	14 22 56.21	−10 45 02.5	7.98	H	215.734 196 15	−10.750 694 54		2.10	1.30	−5.11	1.01	0.69	1.10	1.16	0.89	−23	−33	−12	+28	−10	−	6	−15	−	8	+18	−26		0	0.90	
70295	14 22 58.09	+76 39 49.2	8.66	G	215.742 044 93	+76.663 676 26		2.36	15.10	−1.06	0.60	0.61	0.68	0.59	0.65	−	3	−	7	−17	−

No.	Tycho Magnitudes					Colour Indices							Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag			Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3		44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
70201	10.019	0.025	8.528	0.013		1.255	0.022	T	1.21	0.02	L		8.5636	0.0016	0.018	132		8.53	8.60					1						
70202	9.168	0.014	8.510	0.012	*	0.601	0.013	T	0.67	0.01	L	*	8.5698	0.0020	0.022	134	*	8.54	8.61		U			2 C S B	AB	330	0.132	0.054	1.58	1.34	
70203	10.289	0.043	8.857	0.021		1.208	0.038	T	1.17	0.04	L		8.8592	0.0292	0.209	106		8.67	9.15	9.47	P 1 A	14218−6133	I 1	1 S						
70204	9.437	0.022	8.118	0.013		1.120	0.020	T	1.08	0.02	L		8.1541	0.0014	0.012	77		8.13	8.18		C			1						S
70205											T		11.6832	0.0059	0.047	108		11.61	11.76					1						G
70206	9.804	0.027	9.682	0.035		0.116	0.015	G	0.13	0.01	H		9.7112	0.0041	0.029	103		9.66	9.76			14218−6102	I 1	1 S						G
70207	9.384	0.016	8.806	0.014		0.543	0.016	T	0.62	0.01	L		8.8614	0.0024	0.019	124		8.83	8.89		C			1						
70208	10.449	0.041	8.684	0.017		1.471	0.035	T	1.48	0.05	L		8.6568	0.0018	0.014	71		8.63	8.68		C			1						
70209						1.500	0.510	G	2.16	0.60	Q	*	11.2216	0.0483	0.777	78	*	9.27	11.50	254.00	P 1 A	14219+0355	I 1	2 C D	BA	138	7.978	0.067	1.22	0.36	G D
70210	9.523	0.025	8.949	0.023		0.540	0.025	T	0.61	0.03	L		9.0159	0.0018	0.016	79		8.99	9.06		C			1						
70211											T		12.0410	0.0067	0.060	129		11.93	12.16					1						G
70212	11.047	0.045	9.197	0.016		1.538	0.038	T	1.59	0.08	L		9.1593	0.0017	0.020	154		9.12	9.20		C			1						
70213	9.328	0.013	8.153	0.008	A	1.000	0.495	G	0.97	0.01	L	*	8.0888	0.0014	0.020	209	*	8.06	8.13		D	14219−6417	I 1	2 C A	AB	105	2.158	0.008	2.17	0.04	
70214	10.981	0.047	10.194	0.038		0.675	0.004	G	0.73	0.00	H		10.2245	0.0054	0.035	91		10.16	10.29		D			1 X S						G
70215	7.759	0.005	7.642	0.006		0.113	0.007	T	0.13	0.01	L		7.6647	0.0011	0.016	217		7.64	7.69					1						S
70216	9.357	0.017	8.862	0.017		0.466	0.022	T	0.54	0.02	L		8.9146	0.0016	0.016	103		8.89	8.95					1						S
70217	8.722	0.012	8.707	0.015		0.145	0.015	G	0.16	0.01	H		8.7428	0.0020	0.022	112		8.71	8.78					1						
70218	10.186	0.025	8.709	0.014		1.275	0.008	G	1.45	0.01	I		8.6414	0.0015	0.018	97		8.61	8.67		C			1						
70219	10.267	0.040	9.355	0.029		0.794	0.038	T	0.83	0.03	L		9.3704	0.0028	0.023	73		9.34	9.41		C			1						
70220	7.047	0.006	6.840	0.007		0.198	0.009	T	0.22	0.01	L		6.8801	0.0011	0.008	79		6.86	6.89		C			1						S
70221	7.384	0.006	7.528	0.007		−0.125	0.008	T	−0.11	0.01	L		7.5128	0.0011	0.012	116		7.49	7.53					1						S
70222	8.326	0.010	7.907	0.012	*	0.396	0.015	T	0.46	0.02	L	*	7.9140	0.0012	0.011	109	*	7.89	7.93		D	14220+5107	I 1	2 C A	BA	185	0.624	0.003	0.29	0.01	S
70223	9.527	0.017	8.544	0.012		0.862	0.015	T	0.87	0.01	L		8.6138	0.0016	0.015	118		8.58	8.64					1						
70224	9.273	0.016	8.053	0.010		1.043	0.015	T	1.01	0.01	L		8.1069	0.0025	0.017	89		8.07	8.13					1						S
70225	8.037	0.008	6.918	0.005		0.964	0.007	T	0.95	0.01	L		6.9687	0.0008	0.008	96		6.96	6.98		C			1						S
70226	9.086	0.016	7.361	0.008		1.439	0.014	T	1.43	0.02	L		7.3364	0.0015	0.009	75		7.32	7.35		C	14220−0805	I 1	1						S
70227	10.077	0.040	9.383	0.034		0.628	0.040	T	0.70	0.04	L		9.4894	0.0027	0.018	83		9.45	9.52		C			1						
70228	7.554	0.006	7.444	0.008		0.107	0.009	T	0.12	0.01	L		7.4586	0.0019	0.019	123		7.43	7.49		U 2			1						S
70229	9.334	0.021	7.891	0.012		1.220	0.015	G	1.18	0.01	H		7.9230	0.0010	0.015	84		7.90	7.95		D			1						
70230	10.579	0.029	9.369	0.017		1.028	0.027	T	1.00	0.02	L		9.4036	0.0020	0.026	176		9.36	9.46					1 S						
70231	11.479	0.090	10.157	0.041		1.122	0.077	T	1.08	0.08	L		10.2972	0.0044	0.037	100		10.24	10.36					1 X						G G
70232	11.546	0.116	11.233	0.139		0.576	0.107	G	0.65	0.10	R		11.1594	0.0042	0.034	76		11.10	11.24					1						G
70233	10.013	0.030	9.304	0.025	*	0.653	0.032	T	0.72	0.03	L	*	9.3739	0.0025	0.021	77	*	9.34	9.41		D	14222+0513	H 1	2 C A	AB	145	0.297	0.029	1.74	0.21	S
70234	9.311	0.013	8.845	0.012	*	0.439	0.016	T	0.51	0.02	L	*	8.9102	0.0013	0.016	175	*	8.88	8.94		D	14222+1350	H 1	2 C B	AB	55	0.258	0.021	2.38	0.16	S
70235	8.839	0.008	8.204	0.007		0.590	0.009	T	0.66	0.01	L		8.2574	0.0013	0.017	191		8.23	8.29					1 X						S
70236	8.466	0.013	6.774	0.015		1.440	0.016	T	2.99	0.04	O		6.4081	0.0064	0.130	94		6.23	6.57		U 2			1 S						S
70237	9.786	0.019	9.609	0.024		0.162	0.029	T	0.18	0.03	L		9.6284	0.0025	0.029	143		9.59	9.69		C			1						G
70238	9.015	0.016	8.417	0.015		0.558	0.016	T	0.63	0.01	L		8.4865	0.0020	0.015	87		8.46	8.51		C			1						
70239	7.852	0.006	7.396	0.007		0.455	0.003	G	0.52	0.00	H		7.4480	0.0013	0.012	159		7.43	7.47					1						S
70240	9.008	0.010	8.715	0.011		0.279	0.014	T	0.32	0.02	L		8.7641	0.0163	0.182	143		8.59	9.08	1.06	P 1 A			1						S
70241	9.474	0.017	9.269	0.020		0.230	0.015	G	0.26	0.02	H		9.3175	0.0030	0.021	87		9.29	9.36		C			1						
70242	10.855	0.047	9.733	0.029	A	0.882	0.150	G	0.89	0.11	R	*	9.6524	0.0034	0.025	87	*	9.61	9.69		D	14223−3608	M 1	2 C A	AB	184	6.989	0.014	1.92	0.06	
70243	5.451	0.003	5.554	0.003		−0.088	0.004	T	−0.07	0.01	L		5.5414	0.0005	0.005	84		5.53	5.55		C			1						S
70244	9.781	0.021	9.490	0.024		0.277	0.030	T	0.31	0.04	L		9.5385	0.0036	0.033	133		9.49	9.60					1						G
70245	10.031	0.026	8.267	0.012		1.470	0.023	T	1.48	0.03	L		8.1336	0.0069	0.054	109		8.07	8.24		U 2			1 S						S P
70246	9.342	0.022	8.885	0.021		0.431	0.028	T	0.50	0.03	L		8.9177	0.0012	0.015	78		8.89	8.93					1						
70247	9.376	0.014	8.806	0.013		0.533	0.017	T	0.61	0.02	L		8.8746	0.0018	0.016	117		8.85	8.90		C			1						S
70248	4.914	0.002	5.040	0.002		−0.108	0.002	T	−0.09	0.00	L		5.0290	0.0009	0.014	125		4.99	5.04		U 2 C			1						S P
70249	9.061	0.015	8.519	0.014		0.508	0.018	T	0.58	0.02	L		8.5663	0.0018	0.011	87		8.55	8.59		C			1						S
70250	11.183	0.065	9.129	0.019		1.738	0.056	T	2.51	0.08	O		8.9185	0.0075	0.085	84		8.86	9.12		U 2			1						
70251	10.358	0.032	9.851	0.033		0.476	0.042	T	0.55	0.04	L		9.9090	0.0031	0.027	97		9.87	9.96		C			1						
70252	8.116	0.010	7.487	0.008		0.609	0.001	G	0.68	0.00	H		7.5325	0.0011	0.009	105		7.51	7.55		C			1						S
70253	8.988	0.012	8.293	0.011		0.647	0.015	G	0.71	0.01	H		8.3449	0.0012	0.015	125		8.32	8.36					1						S
70254	10.299	0.029	8.505	0.012		1.524	0.026	T	2.29	0.06	O		8.3407	0.0025	0.026	140		8.30	8.38		U 2			1						
70255	11.778	0.101	10.370	0.042		1.188	0.089	T	1.31	0.16	L		10.4602	0.0028	0.028	111		10.41	10.51		C			1						
70256	9.911	0.031	9.369	0.031		0.470	0.015	G	0.54	0.02	H		9.4418	0.0031	0.016	58		9.41	9.47		C			1						
70257	8.501	0.011	8.034	0.011		0.440	0.014	T	0.51	0.01	L		8.0783	0.0012	0.011	86		8.06	8.09		C			1						S
70258	9.435	0.019	9.332	0.023		0.119	0.020	G	0.13	0.02	H		9.3321	0.0019	0.017	80		9.30	9.36		C			1						
70259	8.622	0.010	8.184	0.010		0.427	0.011	T	0.49	0.01	L		8.2340	0.0014	0.013	124		8.20	8.26		C			1						S
70260	9.603	0.020	8.295	0.013		1.111	0.019	T	1.07	0.02	L		8.3559	0.0014	0.017	103		8.33	8.38					1						S
70261	8.136	0.009	6.929	0.006		1.032	0.008	T	1.00	0.01	L		6.9699	0.0010	0.009	82		6.95	6.99		C			1						S
70262	11.409	0.063	10.143	0.031		1.079	0.055	T	1.04	0.04	L		10.0726	0.0032	0.033	170		10.00	10.14					1 X S						G
70263	10.224	0.026	9.764	0.028		0.434	0.035	T	0.50	0.04	L		9.8441	0.0017	0.023	140		9.81	9.88					1 S						
70264	5.738	0.003	4.844	0.003	*	0.795	0.003	T	0.83	0.00	L	*	4.9105	0.0011	0.008	122	*	4.90	4.93		D	14226−5828	I 1	2 C C	AB	158	9.083	0.014	1.85	0.14	S
70265	9.987	0.023	9.902	0.031		0.163	0.015	G	0.18	0.01	H		9.9710	0.0025	0.023	110		9.94	10.01		C			1 S						G
70266	9.666	0.022	7.700	0.009		1.666	0.020	T	2.31	0.05	O		7.5280	0.0029	0.024	127		7.49	7.56		U 2			1 S						S
70267	8.900	0.011	7.771	0.008		0.972	0.011	T	0.96	0.01	L		7.8225	0.0015	0.012	120		7.81	7.85		C			1						S
70268	8.281	0.007	7.159	0.004		0.958	0.006	T	0.95	0.00	L		7.2104	0.0009	0.011	212		7.19	7.23			14226+3230	I 1	1 S						S
70269	8.174	0.018	7.556	0.015	B	0.584	0.015	G	0.66	0.01	H	*	6.9249	0.0015	0.010	68	*	6.91	6.95		D	14226−0747	I 1	2 C A	AB	174	5.799	0.003	0.02	0.01	S
70270	5.897	0.003	6.046	0.004	*	−0.130	0.004	T	−0.12	0.01	L	*	6.0566	0.0019	0.014	134	*	6.03	6.08	3.09	P 1 A	14226−4819	I 1	2 C B	AB	122	4.468	0.024	3.98	0.10	S
70271	7.681	0.006	7.627	0.008	*	0.049	0.009	T	0.06	0.01	L	*	7.7015	0.0013	0.012	141	*	7.68	7.72		D	14226−7333	I 1	2 C A	AB	138	2.321	0.003	0.50	0.01	S
70272	9.521	0.020	8.409	0.013		0.958	0.019	T	0.95	0.01	L		8.4521	0.0013	0.012	86		8.43	8.47		C			1						S
70273	9.945	0.024	8.052	0.010		1.572	0.021	T	1.59	0.02	L		7.9807	0.0018	0.013	106		7.96	8.00					1						
70274	9.193	0.013	8.867	0.014		0.283	0.019	G	0.32	0.02	H		8.9341	0.0025	0.024	154		8.89	8.98					1						S
70275	9.423	0.020	9.644	0.033		−0.197	0.008	G	−0.21	0.01	H		9.5863	0.0035	0.023	74		9.54	9.62					1						
70276	10.805	0.052	9.965	0.039		0.739	0.050	T	0.79	0.04	L		10.0905	0.0036	0.025	85		10.05	10.13					1						G
70277	7.313	0.005	7.219	0.006		0.092	0.007	T	0.10	0.01	L		7.2473	0.0011	0.010	132		7.23	7.26		C			1						S
70278	7.987	0.007	7.565	0.010	*	0.408	0.015	G	0.47	0.02	H	*	7.6066	0.0011	0.012	112	*	7.59	7.63		D	14227+0216	H 1	2 C A	AB	358	0.658	0.017	3.43	0.08	S
70279	10.459	0.020	9.769	0.017		0.627	0.015	G	0.69	0.01	H		9.8664	0.0022	0.032	232		9.81	9.93			14228+3615	I 1	1						
70280	9.725	0.022	9.196	0.021		0.505	0.023	T	0.58	0.02	L		9.2491	0.0022	0.017	82		9.22	9.29					1						
70281	9.317	0.019	8.092	0.012		1.047	0.018	T	1.02	0.01	L		8.1242	0.0017	0.010	72		8.10	8.16		C			1						S
70282	6.817	0.005	6.745	0.007		0.058	0.015	G	0.07	0.01	H		6.7575	0.0009	0.007	71		6.75	6.77		C			1						S
70283	9.072	0.012	7.790	0.008		1.091	0.011	T	1.05	0.01	L		7.8319	0.0010	0.010	128		7.82	7.85		C			1						S
70284	10.178	0.027	8.657	0.014		1.278	0.024	T	1.24	0.03	L		8.6851	0.0018	0.017	134		8.65	8.72					1						
70285	10.844	0.046	8.955	0.017		1.569	0.039	T	1.59	0.04	L		8.8308	0.0021	0.018	84		8.80	8.87					1						
70286	9.593	0.022	8.369	0.014		1.040	0.015	G	1.01	0.01	H		8.4236	0.0012	0.014	90		8.41	8.45					1						S
70287	7.945	0.009	7.578	0.009		0.343	0.004	G	0.40	0.01	H		7.6257	0.0014	0.029	118		7.61	7.75	1.26	P 1 A			1						S
70288	9.872	0.027	9.312	0.026		0.555	0.020	G	0.63	0.02	H		9.3472	0.0021	0.014	80		9.32	9.37		C			1						
70289	8.662	0.028	6.961	0.014		1.420	0.025	T	1.40	0.04	L		6.9725	0.0010	0.007	94		6.96	6.98					1						S
70290	10.268	0.027	8.099	0.009		1.833	0.023	T	3.52	0.03	O		7.5418	0.0077	0.088	138		7.47	7.74		U 2			1 S						
70291	11.025	0.060	9.447	0.024		1.323	0.051	T	2.81	0.91	Q		9.8354	0.1808	1.309	103		7.84	12.06	277.00	P 1 B			1						G P
70292	10.227	0.029	9.481	0.025		0.723	0.004	G	0.77	0.00	H		9.5571	0.0017	0.014	103		9.53	9.58					1						
70293	10.228	0.037	9.792	0.039	A	0.475	0.072	G	0.48	0.07	B	*	9.5856	0.0035	0.020	61	*	9.54	9.62		D	14229+0943	I 1	2 C A	AB	204	4.726	0.008	1.04	0.04	S
70294	9.844	0.027	8.135	0.013		1.427	0.024	T	1.41	0.04	L		8.1180	0.0016	0.011	71		8.10	8.14					1						S
70295	9.839	0.020	8.801	0.014		0.930	0.015	G	0.92	0.01	H		8.8322	0.0016	0.014	124		8.81	8.86					1						
70296	9.877	0.028	8.655	0.018		1.020	0.020	G	0.99	0.02	H		8.6830	0.0016	0.013	84		8.66	8.72		C			1						
70297	10.441	0.032	9.900	0.030		0.507	0.039	T	0.58	0.04	L		9.9590	0.0032	0.028	139		9.88	10.01		C			1 S						
70298	9.889	0.027	9.428	0.026		0.435	0.034	T	0.50	0.04	L		9.4405	0.0022	0.019	89		9.41	9.47		C			1						
70299	9.627	0.020	8.026	0.010		1.341	0.018	T	1.31	0.02	L		8.0531	0.0013	0.012	80		8.03	8.07		C			1						S
70300	4.179	0.004	4.383	0.003		−0.185	0.019	G	−0.20	0.02	A		4.3518	0.0047	0.024	89		4.32	4.38	8.81	P 1 A			1						S P

Number	Descriptor: epoch J1991.25					Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)												Soln	
HIP	RA	Dec	V			α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$			F1	F2
	h m s	±° ′ ″	mag			deg	deg		mas	mas/yr		mas		mas	mas/yr													%	
1 2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28			29	30
70301	14 23 02.64	−64 48 38.5	9.38		H	215.760 990 06	−64.810 696 11		2.57	−7.97	−9.26	0.76	1.00	1.46	1.03	1.35	+40	−12	− 1	+10	+22	− 1	+17	+22	+ 7	+61			2	1.33
70302	H 14 23 03.00	−08 56 40.7	9.76		H	215.762 486 39	−08.944 639 64	A	4.82	−48.79	−8.57	3.54	2.19	3.65	3.95	2.66	− 4	−41	−24	+ 4	−10	+15	−12	−24	+20	− 6			0	0.42
70303	14 23 03.57	−46 39 55.2	8.36		G	215.764 863 31	−46.665 335 91		3.88	−18.50	−11.87	0.83	0.79	1.13	0.85	1.10	−13	−24	− 1	− 5	+ 6	−20	+ 3	−19	+12	−19			0	−1.28
70304	14 23 04.80	+63 59 35.3	10.09		H	215.770 016 75	+63.993 146 89		13.34	−111.32	67.62	0.99	1.02	1.12	1.08	1.11	+24	−14	−24	−18	−10	+ 3	− 9	− 9	+ 0	+21			0	0.73
70305	H 14 23 05.50	+07 29 20.8	8.85		H	215.772 898 97	+07.489 116 03	A	8.18	−57.56	31.51	5.93	3.16	3.43	5.79	2.95	−24	−20	−11	− 6	− 4	+11	−13	− 7	+27	+ 9			1	0.47
70306	14 23 05.91	−27 45 13.4	4.78		G	215.774 615 67	−27.753 733 95		18.67	−201.57	−116.63	0.65	0.42	0.76	0.76	0.55	− 7	−22	−17	− 6	−16	+ 1	−19	−13	+ 9	− 6			0	−0.22
70307	14 23 06.14	−31 42 25.6	9.42		H	215.775 585 12	−31.707 099 02		3.66	−0.79	−10.09	1.35	1.08	1.61	2.04	1.51	−19	+ 1	−13	−15	+ 9	−21	+ 7	−53	+26	−24			2	1.25
70308	14 23 06.30	−68 22 55.5	10.25		H	215.776 261 76	−68.382 076 21		42.29	58.89	−238.61	0.91	1.02	1.47	1.02	1.27	+26	−15	+ 8	−17	− 9	−22	− 7	+ 1	− 7	+31			1	−0.29
70309	14 23 06.68	−02 52 04.2	9.47		H	215.777 840 57	−02.867 840 85		0.18	0.35	−5.12	1.31	0.78	1.51	1.49	0.99	− 9	−32	−19	+29	− 5	+19	− 9	−17	+21	−15			0	0.21
70310	14 23 06.92	+25 20 16.9	6.22		H	215.778 845 93	+25.338 017 98		28.00	−156.53	63.80	0.60	0.50	0.77	0.57	0.53	−21	−10	−11	−22	−26	+15	−15	+23	−15	−49			0	−1.04
70311	14 23 07.22	−60 25 47.9	9.81		H	215.780 073 36	−60.429 979 12		2.89	4.03	1.55	2.38	2.04	2.94	2.67	2.74	+ 4	−25	− 6	− 5	− 7	− 9	− 7	+12	− 5	− 1			0	
70312	14 23 07.42	−51 46 28.5	9.63		G	215.780 914 42	−51.774 571 69		6.93	4.35	−7.67	1.01	0.99	1.43	1.23	1.53	−21	−24	+ 7	+23	+ 5	− 5	+ 5	+20	+12	−13			0	−0.49
70313	14 23 09.48	−39 42 53.7	8.62		H	215.789 489 71	−39.714 914 47		3.63	−26.61	−4.28	0.84	0.77	1.15	0.93	1.02	−29	−28	−10	− 1	+17	+ 6	+ 8	−42	+12	−45			0	2.21
70314	14 23 10.18	−06 13 56.6	8.32		H	215.792 422 53	−06.232 387 55		2.36	−17.98	−0.52	1.03	0.67	1.10	1.12	0.88	− 1	−32	−19	+24	− 3	− 8	−15	− 9	+27	−16			0	1.52
70315	14 23 10.62	−26 54 43.3	9.83		H	215.794 248 20	−26.912 021 68		8.04	30.22	−19.95	1.36	0.97	1.60	1.68	1.39	−23	− 9	− 8	−23	+ 4	+ 0	+ 2	−47	+ 3	−21			0	−1.02
70316	14 23 11.71	−06 31 24.1	8.70		H	215.798 795 66	−06.523 361 01		7.72	−24.56	95.50	1.12	0.73	1.24	1.48	1.01	−11	−28	− 9	+ 9	−14	− 3	−19	−17	+31	− 3			2	0.53
70317	14 23 11.75	−08 06 57.7	9.86		H	215.798 973 77	−08.116 021 05		28.23	−356.85	−107.39	1.48	1.08	1.66	1.62	1.34	−21	−22	−20	+25	+ 4	+10	+ 4	−21	+11	−27			0	−0.62
70318	14 23 12.36	−34 24 25.8	10.10		H	215.801 479 93	−34.407 153 85		4.46	0.91	5.48	1.40	1.13	1.77	1.64	1.42	−21	−23	−15	−12	+13	− 1	+10	−53	+29	−14			0	−0.81
70319	14 23 15.15	+01 14 33.8	6.25		H	215.813 142 73	+01.242 729 50		56.82	223.66	−477.48	0.77	0.67	1.04	0.87	0.81	−33	− 7	−43	−13	+10	−15	− 4	−43	+40	−54			0	−0.67
70320	14 23 15.36	−47 25 01.0	6.41		H	215.813 993 94	−47.416 950 68		1.01	−6.24	−3.85	0.51	0.53	0.78	0.62	0.81	−23	−20	− 8	+14	+ 9	−15	+11	−10	− 6	−22			0	1.94
70321	14 23 15.46	+70 27 55.4	9.19		H	215.814 401 12	+70.465 391 22		1.81	−5.31	19.31	0.75	0.84	0.89	0.85	0.86	+ 6	− 7	−33	− 3	−11	− 3	− 9	+27	−11	− 5			0	1.49
70322	14 23 18.33	+11 39 22.6	9.49		H	215.826 365 84	+11.656 276 74		7.07	−48.59	−28.57	1.13	1.14	1.81	1.29	1.12	− 3	−25	−59	−21	−10	+16	−10	−38	+40	−18			0	0.78
70323	14 23 19.98	−66 37 52.3	8.88		H	215.833 236 85	−66.631 187 51		2.02	−9.81	−11.04	0.65	0.79	1.17	0.73	0.82	+42	−17	−12	+11	+23	−31	+20	+15	− 8	+48			0	−0.65
70324	14 23 20.25	+18 33 36.2	9.33		H	215.834 383 39	+18.560 066 79		12.96	−334.28	−73.27	0.98	0.99	1.30	1.16	1.02	−47	−10	−18	+ 8	+14	−24	+ 8	− 5	+ 6	−52			0	1.97
70325	H 14 23 20.26	−50 46 20.0	6.03		G	215.834 433 53	−50.772 234 30	A	4.06	−11.72	−7.18	0.68	0.64	0.97	0.70	0.80	−32	−16	+12	+ 7	+ 2	−31	+ 3	+ 3	+10	+ 5			3	0.08
70326	14 23 21.56	+22 16 19.0	8.11		H	215.839 851 58	+22.271 952 37		6.69	−11.29	−8.40	0.75	0.63	0.94	0.96	0.69	−19	−12	−12	+ 3	+ 6	− 3	+ 7	+ 1	−21	−16			2	2.05
70327	H 14 23 22.74	+08 26 47.9	4.86		G	215.844 750 26	+08.446 640 37	A	15.17	−75.28	−9.56	0.90	0.67	0.93	0.86	0.74	−15	−29	+ 6	− 6	+ 0	−12	− 4	− 4	+17	−43			0	2.17
70328	H 14 23 23.08	−25 49 44.0	8.33		G	215.846 149 54	−25.828 884 88	A	6.84	21.77	−11.99	1.54	1.16	1.80	1.82	1.35	−28	−14	−14	+ 3	−18	+35	− 4	−35	+11	+ 2			1	1.10
70329	14 23 23.13	−52 46 53.3	8.27		H	215.846 381 66	−52.781 478 64		4.02	−20.93	−7.05	0.70	0.71	1.08	0.85	1.14	−12	−25	−15	+10	+ 2	−20	− 4	+ 6	+14	−25			2	1.11
70330	14 23 23.54	−27 49 19.3	7.76		G	215.848 102 56	−27.822 034 60		17.28	−248.25	−267.55	0.85	0.52	0.99	0.93	0.68	− 7	−30	−11	+10	− 6	− 2	−12	−19	+19	− 9			0	0.91
70331	14 23 24.06	+33 34 18.9	8.53		H	215.850 270 00	+33.571 925 23		9.74	−0.04	5.08	0.72	0.72	1.15	1.02	0.91	+ 6	− 7	−10	+ 9	+ 8	−24	+ 7	+13	− 6	−20			1	−1.18
70332	14 23 24.07	−32 48 55.0	8.89		H	215.850 307 30	−32.815 276 60		6.82	33.18	−9.80	1.12	0.82	1.36	1.42	1.10	−22	− 2	−14	+36	+17	+17	+12	−49	+26	−27			0	−0.11
70333	14 23 24.41	+61 22 55.4	8.68		H	215.851 723 16	+61.382 063 53		7.80	20.57	43.71	0.68	0.68	0.75	0.68	0.79	+21	−15	− 5	−30	−11	+ 3	−13	−14	+ 7	+24			3	−0.84
70334	14 23 24.68	+36 51 34.4	8.63	1	H	215.852 820 41	+36.859 557 48		4.11	−20.72	2.50	0.54	0.64	0.96	0.59	0.70	+33	+ 6	+11	+19	− 4	−11	− 3	+19	− 7	+25			0	−0.62
70335	14 23 25.59	−41 40 26.0	8.46	1	H	215.856 609 76	−41.673 899 30		3.48	−6.39	−7.95	0.91	0.65	1.11	1.14	0.86	+ 1	−17	− 5	−22	− 9	− 7	−12	−31	+21	+ 2			0	−0.40
70336	14 23 25.63	−11 42 50.0	6.22		H	215.856 793 35	−11.713 900 01		9.87	−7.19	−58.66	0.75	0.55	0.81	0.89	0.67	−29	−14	− 7	+29	+ 6	− 2	+ 7	−22	+14	−23			0	1.32
70337	14 23 27.03	−49 51 05.0	8.18		H	215.862 634 34	−49.851 382 83		2.58	−3.79	−4.59	0.59	0.58	0.96	0.65	0.78	−25	−25	− 3	+ 2	+ 6	−22	+ 1	+ 1	+16	−13			0	−0.88
70338	14 23 27.43	+37 12 23.1	7.36		H	215.864 272 16	+37.206 421 17		12.77	−94.97	53.78	0.44	0.49	0.74	0.48	0.53	+32	+ 7	+ 7	− 5	− 8	−16	− 6	+10	−16	+24			0	0.97
70339	14 23 27.70	−47 31 20.7	9.50	2	H	215.865 403 81	−47.522 414 94		−1.11	−4.30	−0.20	1.15	1.11	1.78	1.53	1.75	−16	−15	− 8	+ 1	+ 8	−28	+ 8	−21	− 3	−13			0	−0.74
70340	H 14 23 28.04	−56 19 27.7	9.01		H	215.866 838 45	−56.324 357 71	A	7.01	−147.56	−53.86	1.95	1.70	2.49	1.91	1.74	−11	−33	+14	+16	−12	− 8	−19	+47	+ 8	+28			1	1.72
70341	14 23 28.34	+36 15 00.4	8.81		H	215.868 079 17	+36.250 108 89		15.41	−146.46	−24.65	0.59	0.69	1.04	0.66	0.76	+27	+ 5	+ 1	+ 9	− 2	−13	− 1	+20	−12	+14			0	1.00
70342	14 23 30.80	+06 25 08.2	10.19		H	215.878 343 84	+06.418 945 25		0.88	−0.27	15.01	1.59	1.13	1.90	1.62	1.37	−21	−32	−14	+ 0	−27	+15	−30	+10	+15	−42			0	0.51
70343	14 23 30.87	−29 48 56.6	9.31		H	215.878 624 65	−29.815 732 20		4.44	−40.54	−9.23	1.04	0.87	1.37	1.33	1.15	−29	+ 0	−23	− 4	+10	− 8	+16	−57	+38	−15			0	−1.33
70344	14 23 31.31	+39 19 41.3	7.21		H	215.880 447 59	+39.328 151 91		14.27	21.06	−151.07	0.68	0.80	1.08	0.80	0.84	+ 7	− 4	−26	− 4	− 2	+ 9	+ 0	−14	+ 9	+ 3			1	
70345	14 23 32.04	−42 49 51.2	9.49		H	215.883 491 97	−42.830 893 95		6.28	−29.42	−36.58	1.57	0.91	1.55	2.24	1.23	+25	−19	+10	−41	−28	−17	−34	−19	+ 8	+50			6	0.87
70346	14 23 32.09	−66 38 41.9	6.78	2	H	215.883 699 83	−66.644 964 83		6.28	−6.38	−22.99	0.38	0.47	0.67	0.41	0.49	+28	−10	− 3	− 1	+13	−17	+11	+ 7	+ 0	+33			1	−0.64
70347	14 23 33.92	+43 27 31.4	7.60		H	215.891 344 98	+43.458 731 57		5.57	−3.87	−2.94	0.50	0.60	0.74	0.58	0.65	+29	+ 2	−13	+ 2	−14	− 3	−15	−12	+ 1	+24			0	−1.94
70348	14 23 34.34	+06 24 37.3	8.37		H	215.893 098 48	+06.410 356 06		4.70	−30.80	8.44	0.91	0.72	1.11	0.90	0.82	−32	−32	+ 6	+ 0	−15	+15	−21	+ 6	+11	−40			0	−0.57
70349	14 23 36.55	+49 24 18.5	7.18		H	215.902 274 76	+49.405 149 02		1.43	5.22	−24.94	0.51	0.54	0.69	0.58	0.55	+ 4	−10	+ 3	+ 1	−14	+23	−15	− 8	−12	−20			0	1.38
70350	14 23 37.90	−43 57 42.6	8.13		H	215.907 920 41	−43.961 833 85		8.66	−30.01	−28.52	0.95	0.63	1.13	0.85	0.87	+12	−46	−18	− 2	− 6	−20	−21	− 4	+23	−12			0	0.71
70351	14 23 39.19	−72 48 29.1	9.16		H	215.913 280 33	−72.808 096 97		10.99	−37.40	−44.63	0.81	0.87	1.16	0.85	0.99	+17	−39	− 2	+17	+17	−18	+16	+25	− 4	+27			0	−1.53
70352	14 23 40.18	+64 44 46.3	7.60		H	215.917 399 99	+64.746 201 93		2.37	12.90	−11.88	0.54	0.56	0.63	0.54	0.62	+17	−33	−23	−19	−10	+ 0	−12	−11	+ 7	+ 0			0	−0.60
70353	14 23 40.82	+32 22 58.4	9.30		H	215.920 079 27	+32.382 877 84		16.34	−95.37	45.49	0.64	0.75	1.28	1.11	1.04	+10	+ 8	−11	+27	+ 9	− 7	+ 0	+ 7	− 9	−18			0	0.24
70354	14 23 40.95	+65 23 43.5	9.33		H	215.920 643 85	+65.395 422 14		14.42	−29.35	36.01	0.79	0.92	0.97	0.80	1.08	+ 2	−16	−27	−19	+ 2	− 7	− 2	−15	+17	−11			1	1.79
70355	H 14 23 41.69	−37 25 54.3	8.51		H	215.923 707 09	−37.431 759 55	*	9.50	29.04	−13.40	0.99	0.74	1.22	1.04	0.97	− 9	− 2	− 7	−25	− 2	− 9	− 7	−36	− 2	−18			0	2.62
70356	14 23 41.95	+40 50 39.8	6.72		H	215.924 802 04	+40.844 385 31		15.26	−80.62	20.31	0.44	0.50	0.70	0.54	0.57	+ 6	− 5	−26	−22	+ 3	+ 0	+ 2	− 9	+19	− 1			0	0.78
70357	H 14 23 42.65	−12 58 49.3	7.82		H	215.927 715 16	−12.980 370 97	*	5.28	−26.65	4.52	0.88	0.58	0.93	0.95	0.67	−23	−30	+10	+25	+ 7	+ 5	+10	−23	+ 5	−10			2	1.40
70358	14 23 43.22	−60 12 46.0	7.72		H	215.930 070 97	−60.212 782 05		0.99	−37.05	−13.34	0.70	0.66	0.90	0.85	0.82	+10	−12	+ 2	+16	− 2	− 6	− 3	+28	+ 6	+14			3	−0.01
70359	14 23 43.36	+61 56 13.5	8.31		H	215.930 681 41	+61.937 086 26		12.07	28.58	−6.47	0.57	0.64	0.71	0.54	0.69	+16	−31	−25	−21	− 4	+ 6	− 6	− 6	+13	+ 5			0	0.54
70360	14 23 44.80	+87 58 28.5	9.01		H	215.936 661 73	+87.974 575 22		4.44	16.86	25.41	0.72	0.74	0.82	0.89	0.91	− 2	+ 1	− 3	−11	− 8	+ 5	− 9	−24	− 9	−13			1	1.31
70361	14 23 47.45	−58 08 31.1	9.15		G	215.947 695 59	−58.141 968 22		2.67	−5.41	−6.52	0.87	0.76	1.26	1.03	0.88	+10	−29	+ 5	+27	+ 6	−23	+ 4	+16	+11	+25			0	−1.28
70362	14 23 48.59	−45 39 50.2	8.10		H	215.952 478 88	−45.663 957 67		5.35	−51.16	−24.75	0.89	0.69	1.15	0.92	1.02	− 8	−34	−22	+ 9	+15	−25	+ 3	−16	+24	−30			0	−0.22
70363	14 23 48.64	−53 10 34.4	5.99		H	215.952 658 57	−53.176 209 92		9.36	−58.08	−9.46	0.54	0.53	0.77	0.61	0.66	−18	−43	+ 5	+ 5	+11	+ 6	+12	+ 1	− 6	−19			3	1.33
70364	14 23 48.73	+00 53 19.1	10.43		G	215.953 045 16	+00.888 628 31		7.83	−37.86	13.57	3.09	2.92	3.88	3.69	3.33	−35	− 7	−42	− 4	+24	−15	+17	−48	+27	−43			0	
70365	14 23 49.00	−12 56 32.9	7.66		H	215.954 169 24	−12.942 461 63		8.98	−3.38	−49.82	0.91	0.59	0.99	0.94	0.68	−24	−40	+ 7	+16	+ 7	+ 8	+ 8	−26	+ 7	−12			2	1.46
70366	14 23 49.19	+55 34 46.1	8.51	1	H	215.954 972 33	+55.579 459 24		4.45	−42.99	25.06	0.63	0.60	0.72	0.84	0.68	+20	+12	− 2	−11	−17	+14	−14	− 3	−13	+ 0			1	−2.60
70367	14 23 49.37	−69 18 44.0	9.08		H	215.955 691 55	−69.312 221 48		5.87	−7.21	6.86	0.76	0.83	1.14	0.92	0.96	+30	−21	−12	+19	+16	−11	+13	+25	+ 0	+48			1	1.02
70368	14 23 49.66	−68 51 31.7	9.84		G	215.956 898 49	−68.858 811 95		4.79	−38.50	−26.28	0.91	0.98	1.38	1.01	1.20	+34	−20	− 2	+15	+ 5	− 9	+ 3	+20	− 3	+46			0	4.68
70369	14 23 50.50	+42 42 32.7	8.06		H	215.960 411 89	+42.709 075 75		0.61	−8.21	−6.03	0.55	0.67	0.87	0.66	0.73	+17	− 4	−30	+12	− 6	+ 0	− 5	+ 1	+ 3	+22			0	0.12
70370	14 23 51.30	−28 09 03.0	8.35	2	H	215.963 753 92	−28.150 843 23		0.12	5.60	2.86	0.91	0.60	1.11	1.18	0.85	−13	−15	−15	− 1	− 8	+ 0	−10	−28	+23	− 7			2	0.59
70371	14 23 51.61	+01 44 03.0	9.26		G	215.965 040 56	+01.734 162 70		17.09	21.07	13.77	1.24	1.03	1.65	1.42	1.18	−36	− 9	−38	−28	+ 0	+14	+ 0	−36	+20	−55			0	1.37
70372	14 23 52.28	+27 16 14.9	7.60	2	H	215.967 824 20	+27.270 803 84		1.70	−9.76	−21.83	0.67	0.59	0.87	0.75	0.64	− 7	+ 0	− 1	− 1	−12	−11	−10	+16	− 7	−19			0	0.83
70373	14 23 53.45	+19 03 32.7	11.03		H	215.972 692 83	+19.059 088 48		2.04	3.43	−0.58	1.75	1.56	2.28	2.11	1.71	−33	− 2	−19	+32	+ 9	−22	+ 0	− 6	+ 5	−44			0	0.26
70374	14 23 55.46	+74 59 40.6	9.57		H	215.981 085 09	+74.994 618 72		1.10	−61.05	−5.52	0.77	0.76	0.85	0.78	0.88	+ 4	−10	− 8	−15	− 7	−11	− 5	+18	−13	− 2			0	0.26
70375	14 23 55.72	−29 40 34.6	6.93		H	215.982 153 43	−29.676 278 00		8.22	32.69	−8.09	0.68	0.57	0.91	0.82	0.74	−23	− 4	−30	+ 7	+10	− 4	+10	−45	+43	−15			0	1.07
70376	H 14 23 56.42	−50 29 57.7	9.20		H	215.985 084 26	−50.499 373 69	A	8.56	−29.36	−20.66	2.38	1.98	3.17	2.94	2.61	−34	− 8	+ 5	+ 0	+ 2	−21	+ 8	−11	+ 6	+ 8			3	0.09
70377	14 23 56.51	+49 52 08.1	9.17		H	215.985 473 40	+49.868 918 64		0.82	−30.26	30.87	0.78	0.84	1.02	0.86	0.84	+ 7	− 8	− 5	− 4	−17	+ 3	−18	−14	+ 6	−14			0	1.49
70378	14 23 57.37	+29 58 06.4	8.16		H	215.989 061 19	+29.968 453 54		0.79	−17.40	−13.43	0.80	0.70	1.00	0.86	0.71	+ 1	−17	− 7	−22	−23	+ 7	−12	+15	−11	−22			0	1.04
70379	14 23 57.72	−16 06 06.8	6.69		H	215.990 511 34	−16.101 899 00		4.99	−27.52	−4.84	0.86	0.53	0.90	1.38	0.66	− 2	−16	+17	− 5	−31	−29	−18	−38	+ 6	+22			0	1.52
70380	14 23 57.77	−35 29 49.4	9.99		H	215.990 690 00	−35.497 054 27		6.09	−65.55	−146.02	1.52	1.20	2.03	1.75	1.53	−16	−10	−23	+25	+18	+ 5	+10	−52	+35	−24			0	−0.06
70381	14 23 58.16	+08 01 33.5	9.99		G	215.992 339 08	+08.025 975 53		−0.47	10.32	−21.41	1.45	1.10	1.83	1.51	1.39	−13	−44	−15	− 7	− 8	+12	−14	−10	+15	−36			0	−0.92
70382	14 24 00.33	−19 48 02.8	7.32		H	216.001 373 86	−19.800 777 98		12.73	41.89	−45.24	0.83	0.59	1.04	0.98	0.85	− 8	−31	−30	+ 8	+ 9	−11	−10	−60	+52	−20			0	−1.19
70383	14 24 00.73	+05 49 22.6	7.19		H	216.003 056 78	+05.822 930 96		7.03	−48.65	18.02	0.90	0.60	1.09	0.85	0.72	−12	−42	−18	− 4	−29	+22	−35	+ 2	+19	−35			0	−0.79
70384	14 24 00.88	+08 14 38.4	5.94		H	216.003 667 65	+08.244 004 31		8.49	−6.18	−14.32	0.67	0.51	0.81	0.67	0.59	−11	−37	−17	− 8	−21	+18	−21	+ 5	+ 7	−34			0	1.54
70385	14 24 01.98	+27 24 47.5	6.39	2	H	216.008 264 87	+27.413 187 94		2.21	−3.89	−4.43	0.57	0.47	0.72	0.60	0.50	− 9	+ 8	− 5	−10	− 9	−11	− 8	+ 9	− 7	−24			0	1.32
*70386	H 14 24 05.72	+11 14 49.1	6.76		H	216.023 853 86	+11.246 966 92	A	27.90	65.16	−1.90	1.69	1.52	2.00	1.77	1.37	−15	−14	−31	−38	+ 3	+ 1	+ 0	−58	+42	−16			12	0.70
*70387	14 24 05.61	+49 31 56.3	7.22		H	216.023 368 66	+49.532 311 26		12.31	−81.99	14.44	0.48	0.51	0.63	0.55	0.52	+10	− 6	− 8	+ 2	−16	+15	−16	− 7	− 2	−11			1	0.44
70388	14 24 06.01	−74 04 40.9	8.33		H	216.025 031 43	−74.078 013 98		5.39	36.90	−26.19	0.71	0.68	0.97	0.81	0.80	+21	−15	+ 5	−16	+ 5	−23	+ 2	+ 6	+13	+28			0	−2.36
70389	14 24 06.10	−42 22 59.7	9.12		H	216.025 430 66	−42.383 240 48		0.57	−33.02	−17.63	1.19	0.87	1.50	1.51	1.15	− 3	−15	+12	+ 6	− 4	−21	+ 1	−19	+ 9	+11			0	−0.72
70390	14 24 06.88	+41 02 22.3	7.74		H	216.028 660 72	+41.039 527 33		9.14	−7.57	−33.89	0.51	0.61	0.83	0.65	0.70	+ 1	− 5	−32	− 6	+ 6	+ 0	+ 4	−13	+24	−14			0	0.58
70391	14 24 07.02	+21 10 08.5	9.71		H	216.029 241 70	+21.169 034 72		3.84	−12.75	−6.52	1.06	0.95	1.35	1.17	1.01	−23	− 8	−29	− 2	− 6	+ 2	− 2	+16	−18	−37			0	0.15
70392	14 24 07.06	−41 14 13.9	7.82		H	216.029 430 79	−41.237 208 10		4.15	7.31	3.31	0.73	0.63	0.96	0.80	0.79	−20	−32	+ 2	−14	+ 6	− 9	+ 2	−34	+ 5	−31			0	1.44
70393	14 24 07.82	+46 46 10.9	7.93		H	216.032 569 30	+46.769 681 56		15.57	−160.01	13.18	0.55	0.63	0.79	0.59	0.63	+17	+ 6	−22	−18	−15	− 3	−15	−25	+11	+ 4			1	1.43
70394	14 24 08.17	+29 09 41.0	9.56		H	216.034 031 48	+29.161 378 66		12.55	−64.83	−33.80	0.88	0.92	1.22	0.96	1.01	+ 0	−18	−23	−49	− 3	+17	+ 4	−18	− 2	−14			0	0.43
70395	14 24 08.54	−05 25 59.2	10.83		G	216.035 568 72	−05.433 116 62		9.53	42.67	−222.28	2.31	1.43	2.54	2.04	1.71	−19	−54	+ 5	+30	+ 6	−13	− 9	−14	+27	−23			3	1.09
70396	H 14 24 08.76

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
70301	10.023	0.016	9.447	0.015		0.541	0.016	T	0.61	0.02	L	9.4987	0.0022	0.032	241		9.44	9.55					1							G
70302	10.476	0.051	10.042	0.055	A	0.651	0.126	G	0.71	0.11	R *	9.8931	0.0031	0.018	69	*	9.86	9.93		D	14230−0857	H 1	2 C	D	AB	279	7.861	0.048	2.45	0.18	D
70303	8.359	0.011	8.347	0.014		−0.014	0.004	G	0.01	0.00	H	8.3734	0.0020	0.019	79		8.34	8.41		C			1							
70304	11.107	0.050	10.106	0.034		0.875	0.045	T	0.88	0.03	L	10.2517	0.0033	0.028	118		10.20	10.30					1							
70305	9.752	0.022	8.982	0.018	*	0.701	0.022	T	0.76	0.02	L *	8.9906	0.0032	0.016	75	*	8.97	9.02		D	14231+0729	I 1	2 C	A	AB	255	0.574	0.006	0.10	0.02	S
70306	6.515	0.005	4.944	0.002		1.300	0.040	G	1.31	0.02	A	4.9395	0.0007	0.006	98		4.93	4.95					1							S
70307	10.202	0.032	9.485	0.026		0.645	0.031	T	0.71	0.03	L	9.5578	0.0033	0.026	86		9.51	9.60					1							
70308	12.244	0.172	10.441	0.052		1.429	0.133	G	1.74	0.34	I	10.3346	0.0028	0.032	150		10.27	10.39		C			1							G
70309	11.165	0.079	9.594	0.033		1.318	0.067	T	1.28	0.08	L	9.6264	0.0033	0.019	73		9.56	9.66					1							
70310	6.685	0.004	6.264	0.004		0.411	0.005	T	0.48	0.01	L	6.3123	0.0009	0.008	120		6.30	6.33					1							S
70311	10.091	0.027	9.817	0.031		0.258	0.043	T	0.29	0.05	L	9.8854	0.0033	0.033	102		9.84	9.93		C			1 X							G
70312	10.244	0.027	9.723	0.027		0.495	0.006	G	0.57	0.01	H	9.7365	0.0031	0.026	132		9.69	9.78					1							G
70313	10.188	0.054	8.765	0.030		1.201	0.048	T	1.16	0.05	L	8.7865	0.0021	0.013	89		8.77	8.82					1							
70314	9.648	0.027	8.474	0.017		1.007	0.025	T	0.98	0.02	L	8.4901	0.0012	0.013	71		8.47	8.51					1							
70315	10.601	0.045	9.930	0.038		0.611	0.044	T	0.68	0.04	L	9.9549	0.0028	0.024	105		9.91	9.99		C			1							
70316	9.313	0.021	8.765	0.020		0.513	0.026	T	0.59	0.03	L	8.8125	0.0023	0.012	60		8.79	8.83		C			1							S
70317	11.330	0.085	9.965	0.040		1.137	0.001	G	1.23	0.00	I	9.9878	0.0028	0.022	72		9.95	10.02		C			1							
70318	11.025	0.059	10.116	0.045		0.792	0.057	T	0.82	0.04	L	10.2415	0.0035	0.025	84		10.20	10.28		C			1							G
70319	7.035	0.005	6.327	0.005		0.639	0.006	G	0.71	0.02	A	6.3838	0.0007	0.006	88		6.37	6.39		C			1							S
70320	8.030	0.008	6.536	0.004		1.257	0.007	T	1.22	0.01	L	6.5670	0.0009	0.007	111		6.56	6.58		C			1							S
70321	11.330	0.062	9.368	0.019		1.627	0.052	T	1.65	0.05	L	9.3007	0.0022	0.021	121		9.27	9.35					1							
70322	9.989	0.029	9.562	0.030		0.403	0.038	T	0.47	0.04	L	9.5803	0.0028	0.021	83		9.52	9.61					1							
70323	8.962	0.010	8.865	0.013		0.087	0.015	T	0.10	0.02	L	8.9176	0.0018	0.023	192		8.88	8.96					1							
70324	10.085	0.028	9.392	0.024		0.640	0.030	T	0.70	0.03	L	9.4617	0.0017	0.017	93		9.43	9.49					1							S
70325	7.874	0.011	6.216	0.004	A	1.360	0.000	G	1.33	0.00	H *	6.1863	0.0009	0.008	146	*	6.17	6.20		D	14233−5046	I 1	2 C	A	AB	144	1.131	0.015	2.89	0.05	S
70326	9.460	0.020	8.222	0.012		1.057	0.018	T	1.02	0.01	L	8.2790	0.0015	0.013	94		8.26	8.31					1							S
70327	4.878	0.006	4.827	0.008	*	0.010	0.400	G	0.07	0.02	A *	4.8776	0.0006	0.006	71	*	4.87	4.89		D	14234+0827	I 1	2 C	A	AB	194	6.245	0.006	2.00	0.04	S
70328	8.846	0.013	8.404	0.013	A	0.417	0.015	G	0.48	0.02	H *	8.4220	0.0012	0.011	109	*	8.40	8.45		C	14234−2550	I 1	2 C	C	AB	4	4.309	0.031	3.58	0.18	S
70329	9.751	0.020	8.416	0.012		1.132	0.018	T	1.10	0.02	L	8.4399	0.0017	0.016	120		8.41	8.47					1							
70330	8.561	0.013	7.799	0.011		0.658	0.003	G	0.72	0.00	H	7.8840	0.0015	0.012	98		7.86	7.91					1							S
70331	9.026	0.011	8.572	0.011		0.428	0.014	T	0.50	0.01	L	8.6283	0.0020	0.018	134		8.60	8.67		C			1							S
70332	9.581	0.021	8.955	0.019		0.578	0.021	T	0.65	0.02	L	9.0166	0.0017	0.016	86		8.99	9.05		C			1							
70333	9.101	0.013	8.707	0.013		0.373	0.017	T	0.44	0.02	L	8.7644	0.0018	0.015	100		8.74	8.80		C			1							S
70334	9.048	0.009	8.655	0.010		0.372	0.012	T	0.43	0.01	L	8.7130	0.0019	0.025	230		8.67	8.76		U			1							S
70335	10.000	0.026	8.587	0.014		1.194	0.023	T	1.15	0.02	L	8.6210	0.0037	0.024	81		8.59	8.65		U			1							
70336	7.482	0.007	6.329	0.005		0.990	0.000	G	0.97	0.00	H	6.3858	0.0010	0.006	80		6.37	6.40		C			1							S
70337	8.225	0.007	8.191	0.009		0.036	0.011	T	0.05	0.01	L	8.2017	0.0016	0.019	161		8.18	8.23					1							
70338	7.826	0.005	7.406	0.005		0.397	0.007	T	0.46	0.01	L	7.4535	0.0010	0.013	202		7.43	7.48					1							S
70339	12.637	0.272	9.827	0.031		2.650	0.510	G	2.65	0.52	J	9.4898	0.0077	0.109	109		9.34	9.62		U 2			1 S							
70340	9.962	0.027	9.162	0.022	A	0.700	0.495	G	0.76	0.02	L *	9.1545	0.0014	0.017	138	*	9.13	9.18		D	14235−5620	I 1	2 C	A	AB	28	2.236	0.031	2.75	0.16	
70341	9.630	0.011	8.887	0.009		0.680	0.011	T	0.74	0.01	L	8.9547	0.0016	0.021	229		8.92	8.99		C			1							S
70342	11.244	0.079	10.196	0.049		0.910	0.070	T	0.91	0.05	L	10.3551	0.0035	0.028	81		10.30	10.39		C			1 S							
70343	9.901	0.024	9.356	0.023		0.514	0.020	G	0.59	0.02	H	9.4189	0.0019	0.015	101		9.39	9.44		C			1							
70344	7.906	0.007	7.275	0.006		0.587	0.008	T	0.66	0.01	L	7.3368	0.0010	0.010	149		7.32	7.36					1 X							S
70345	10.656	0.042	9.486	0.026		0.996	0.039	T	0.97	0.03	L	9.6298	0.0033	0.023	79		9.59	9.66		C			1							
70346	6.918	0.005	6.788	0.005		0.118	0.007	T	0.13	0.01	L	6.8271	0.0027	0.033	199		6.77	6.86	2.20	P 1 A			1							S P
70347	9.100	0.012	7.726	0.007		1.163	0.011	T	1.12	0.01	L	7.7704	0.0012	0.014	147		7.75	7.80					1							S
70348	8.657	0.012	8.383	0.013		0.268	0.004	G	0.30	0.01	H	8.4389	0.0016	0.015	84		8.41	8.47		C			1							S
70349	9.069	0.014	7.324	0.007		1.455	0.012	T	1.46	0.02	L	7.3104	0.0013	0.010	110		7.29	7.33					1							S
70350	8.846	0.012	8.203	0.011		0.569	0.015	G	0.64	0.01	H	8.2564	0.0020	0.016	90		8.23	8.29					1 S							S
70351	10.024	0.021	9.252	0.017		0.687	0.021	T	0.74	0.02	L	9.3009	0.0020	0.022	142		9.25	9.34					1							
70352	9.208	0.013	7.742	0.008		1.235	0.012	T	1.19	0.01	L	7.7578	0.0011	0.010	123		7.74	7.77		C			1							S
70353	10.182	0.017	9.389	0.014		0.719	0.017	T	0.76	0.01	L	9.4352	0.0019	0.028	242		9.39	9.49					1							
70354	10.061	0.024	9.368	0.021		0.640	0.026	T	0.70	0.02	L	9.4591	0.0026	0.029	119		9.42	9.50		R			1							S
70355	9.079	0.015	8.565	0.015	*	0.493	0.016	T	0.57	0.02	L *	8.6149	0.0017	0.013	83	*	8.60	8.64		D	14237−3726	I 1	2 C S	A	AB	201	0.197	0.010	1.17	0.21	
70356	7.425	0.005	6.798	0.005		0.593	0.006	G	0.66	0.01	H	6.8517	0.0009	0.010	148		6.83	6.87					1							S
70357	8.059	0.012	7.850	0.012	*	0.200	0.016	T	0.22	0.02	L *	7.8833	0.0016	0.010	78	*	7.86	7.90		C	14237−1259	H 1	2 C S	B	AB	245	0.196	0.032	2.15	0.42	S
70358	9.677	0.020	7.890	0.009		1.488	0.017	T	1.51	0.03	L	7.8483	0.0019	0.013	99		7.82	7.87					1 S							
70359	8.864	0.011	8.353	0.010		0.480	0.013	T	0.55	0.01	L	8.4144	0.0014	0.015	122		8.39	8.44			14237+6156	I 1	1							S
70360	10.244	0.033	9.098	0.021		0.985	0.030	T	0.97	0.02	L	9.1761	0.0018	0.017	105		9.15	9.21					1							
70361	9.343	0.017	9.220	0.021		0.290	0.015	G	0.33	0.02	H	9.2014	0.0024	0.028	128		9.16	9.26					1							
70362	8.409	0.010	8.149	0.011		0.260	0.015	G	0.29	0.02	H	8.1735	0.0021	0.017	91		8.15	8.20					1							S
70363	7.423	0.005	6.115	0.004		1.099	0.002	G	1.06	0.00	H	6.1625	0.0008	0.006	120		6.15	6.18		C			1 G							S
70364	11.110	0.077	10.515	0.072		0.660	0.020	G	0.72	0.02	H	10.5343	0.0044	0.035	62		10.48	10.59					1 X	S						
70365	8.242	0.012	7.714	0.011		0.533	0.015	G	0.61	0.02	H	7.7754	0.0017	0.010	78		7.76	7.79		C			1							S
70366	8.821	0.011	8.536	0.012		0.260	0.015	G	0.29	0.02	H	8.5827	0.0018	0.014	116		8.56	8.61		U			1							S
70367	9.770	0.019	9.123	0.016		0.593	0.018	T	0.66	0.02	L	9.2078	0.0020	0.022	161		9.16	9.25					1							
70368	10.424	0.028	9.862	0.027		0.480	0.020	G	0.55	0.02	H	9.9501	0.0028	0.027	159		9.89	10.00		C			1							G
70369	9.904	0.019	8.219	0.009		1.408	0.017	T	1.39	0.02	L	8.2049	0.0021	0.016	148		8.18	8.23					1							S
70370	10.548	0.040	8.576	0.015		1.671	0.035	T	2.34	0.07	O	8.3988	0.0044	0.030	94		8.33	8.43		U 2			1							
70371	10.090	0.029	9.289	0.023		0.730	0.020	G	0.78	0.02	H	9.4086	0.0024	0.021	95		9.37	9.44					1							
70372	9.655	0.022	7.835	0.010		1.514	0.019	T	1.55	0.03	L	7.7188	0.0032	0.030	84		7.69	7.78		U 2			1 S							S
70373	11.453	0.081	11.254	0.119		0.404	0.072	G	0.47	0.08	R	11.1235	0.0046	0.034	88		11.07	11.19		C			1							G
70374	10.914	0.046	9.688	0.026		1.047	0.041	T	1.02	0.03	L	9.7412	0.0021	0.021	133		9.70	9.78		C			1							
70375	7.154	0.005	6.950	0.006		0.188	0.008	T	0.21	0.01	L	6.9882	0.0014	0.011	108		6.97	7.00					1							S
70376	10.285	0.032	9.546	0.025	*	0.662	0.031	T	0.72	0.03	L *	9.3345	0.0026	0.023	156	*	9.30	9.38		D	14239−5030	I 1	2 C	A	AB	184	1.110	0.005	0.28	0.02	
70377	10.531	0.038	9.264	0.022		1.079	0.034	T	1.04	0.03	L	9.3275	0.0027	0.023	113		9.30	9.37					1							
70378	9.909	0.021	8.316	0.011		1.335	0.019	T	1.30	0.02	L	8.3134	0.0018	0.017	103		8.29	8.34		C	14240+2958	I 1	1							
70379	6.793	0.006	6.698	0.006		0.091	0.002	G	0.10	0.02	A	6.7286	0.0009	0.007	86		6.72	6.74		C			1							S
70380	10.805	0.048	10.063	0.041		0.645	0.003	G	0.71	0.00	H	10.1287	0.0044	0.031	86		10.07	10.19					1							G
70381	11.103	0.073	10.056	0.046		0.980	0.020	G	0.96	0.02	H	10.1462	0.0024	0.018	72		10.11	10.18					1							
70382	8.633	0.011	7.432	0.007		1.028	0.010	T	1.00	0.01	L	7.4923	0.0012	0.010	94		7.48	7.51			14240−1948	I 1	1							S
70383	8.445	0.013	7.302	0.007		1.010	0.015	G	1.04	0.07	F	7.3595	0.0013	0.010	80		7.35	7.38		C			1							S
70384	6.015	0.003	5.942	0.004		0.066	0.004	T	0.08	0.00	L	5.9644	0.0007	0.006	71		5.95	5.98		C			1							S
70385	8.480	0.014	6.584	0.006		1.609	0.002	G	1.58	0.00	J	6.5062	0.0053	0.033	99		6.46	6.54		U 2			1 S							S
70386	7.445	0.008	6.823	0.008	*	0.575	0.003	G	0.65	0.00	H *	6.8829	0.0010	0.009	78	*	6.86	6.92		D	14241+1115	I 1	2 C	A	AB	334	9.314	0.003	0.18	0.01	S
70387	7.669	0.007	7.256	0.006		0.390	0.009	T	0.46	0.01	L	7.3149	0.0010	0.009	118		7.30	7.33		C			1							S
70388	9.853	0.021	8.467	0.012		1.172	0.019	T	1.13	0.02	L	8.4997	0.0019	0.017	139		8.48	8.53		C			1							
70389	10.783	0.045	9.285	0.022		1.260	0.039	T	1.22	0.04	L	9.2820	0.0029	0.019	75		9.25	9.31		C			1 S							
70390	8.313	0.009	7.794	0.007		0.487	0.010	T	0.56	0.01	L	7.8448	0.0012	0.017	154		7.82	7.88					1							S
70391	11.141	0.060	9.797	0.029		1.140	0.052	T	1.10	0.05	L	9.8813	0.0026	0.021	97		9.85	9.91		C			1							
70392	8.090	0.008	7.823	0.011		0.254	0.013	T	0.29	0.02	L	7.8920	0.0017	0.012	88		7.87	7.91					1							S
70393	8.578	0.009	7.990	0.009		0.559	0.015	G	0.63	0.01	H	8.0475	0.0012	0.012	129		8.02	8.07		C			1							S P
70394	10.339	0.032	9.652	0.027		0.635	0.035	T	0.70	0.03	L	9.6911	0.0033	0.024	103		9.65	9.74					1							
70395	11.505	0.109	10.827	0.097		0.713	0.004	G	0.76	0.00	H	10.9751	0.0069	0.038	66		10.88	11.02					1							G
70396	10.470	0.040	9.817	0.035	A						T *	9.7444	0.0038	0.033	87	*	9.70	9.83		D	14241−3851	I 1	2 C	D	AB	259	1.080	0.025	1.54	0.07	D
70397	10.189	0.035	9.687	0.036		0.530	0.003	G	0.60	0.00	H	9.6926	0.0037	0.024	64		9.65	9.73		C			1							
70398	9.720	0.023	9.384	0.026		0.319	0.032	T	0.37	0.04	L	9.4286	0.0024	0.018	91		9.39	9.47		C			1							
70399	7.713	0.007	7.000	0.006		0.672	0.003	G	0.73	0.00	H	7.0414	0.0008	0.007	107		7.03	7.06		C			1 S							S
70400	5.264	0.003	5.116	0.004		0.124	0.001	G	0.14	0.00	H	5.1457	0.0005	0.005	77		5.14	5.15		C			1							S

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg		Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)										Soln F1 %	F2
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
70401	14 24 11.61	+25 42 13.8	7.98	2 H	216.048 387 23	+25.703 843 17		6.42	21.74	−49.70	0.79	0.64	1.00	0.75	0.69	−19	−12	−16	−34	−26	+21	− 7	+23	−16	−54	0	−0.20
70402	14 24 12.08	−52 25 22.0	8.71	H	216.050 341 78	−52.422 784 91		5.01	−27.94	−13.41	0.71	0.75	1.07	0.84	1.05	−17	−23	− 4	+ 6	+11	−21	+12	− 4	− 1	−20	0	0.03
70403	14 24 13.48	+42 39 41.7	8.30	G	216.056 184 58	+42.661 586 96		3.70	−32.12	9.78	0.56	0.63	0.83	0.65	0.72	+19	+ 9	−19	+19	− 5	+ 1	− 3	+ 2	+ 9	+23	0	0.16
70404	14 24 13.62	+10 55 54.1	8.90	H	216.056 736 97	+10.931 693 11		2.88	10.70	−29.38	1.19	1.01	1.48	1.47	1.06	+ 2	−11	−49	−48	−12	+ 3	−13	−52	+37	+ 1	0	1.65
70405	14 24 14.62	−33 05 12.7	6.80	H	216.060 937 18	−33.086 867 59		4.22	−23.42	−4.87	0.79	0.60	1.01	1.01	0.83	−15	−14	−24	+29	+14	− 3	+ 1	−46	+31	−32	0	1.52
70406	14 24 14.66	−51 55 52.7	9.54	H	216.061 076 80	−51.931 319 17		1.40	2.36	3.50	0.90	0.92	1.43	1.33	1.56	−28	−10	− 3	+ 9	+11	− 7	+14	− 2	+ 7	−17	0	2.70
70407	14 24 14.92	−33 55 41.5	9.21	H	216.062 152 33	−33.928 199 32		4.54	−9.02	−1.03	1.04	0.87	1.40	1.30	1.11	−16	−22	−24	+ 5	+ 7	− 7	+ 0	−45	+30	−20	0	0.74
70408	14 24 15.84	+50 14 58.4	8.97	H	216.065 986 90	+50.249 569 42		8.72	69.37	−161.66	0.68	0.73	0.87	0.81	0.75	+10	− 5	−13	− 2	−16	− 3	−19	−21	+10	−16	1	−0.15
70409	14 24 16.42	+41 43 44.6	8.79	H	216.068 403 12	+41.729 049 35		6.79	−24.64	−2.96	0.68	0.82	1.05	0.87	0.89	− 5	+ 4	−33	−10	+11	−14	+ 7	−20	+12	− 6	1	0.44
70410 H	14 24 17.03	−38 37 45.4	9.59	H	216.070 965 43	−38.629 276 67	*	11.01	17.66	−98.60	1.28	1.06	1.69	1.28	1.38	−16	−28	−23	−20	+ 5	+ 6	+ 0	−33	+ 5	−35	0	0.07
70411	14 24 17.13	+21 27 15.1	8.12	H	216.071 361 09	+21.454 206 48		1.84	−12.25	3.61	0.78	0.72	1.03	0.87	0.77	−24	− 4	−26	+ 8	− 4	− 5	− 5	+ 8	−15	−35	2	0.45
70412	14 24 17.76	+56 08 46.3	9.46	G	216.074 011 88	+56.146 187 56		8.46	−37.21	−6.52	0.78	0.76	0.87	0.96	0.86	+19	+ 3	+ 1	−19	−21	− 4	−17	− 7	+ 4	− 4	0	−2.05
70413	14 24 17.94	+14 42 18.6	10.60	H	216.074 738 28	+14.705 162 67		3.92	8.51	−4.24	1.40	1.11	1.88	1.68	1.17	−41	−29	+ 1	+48	+ 3	−31	− 6	+18	− 5	−54	2	0.66
70414	14 24 18.34	+08 05 05.4	6.19	G	216.076 412 74	+08.084 846 09		8.97	−120.07	−103.31	0.73	0.55	0.91	0.73	0.65	−18	−44	−11	+ 0	−12	+14	−13	+ 4	+ 6	−37	0	0.76
70415	14 24 21.13	−19 21 40.1	9.59	G	216.088 044 16	−19.361 137 49		9.91	−83.28	−98.52	1.43	0.90	1.67	1.75	1.37	−10	−25	−17	+22	+10	−13	−13	−59	+45	−31	0	1.39
70416	14 24 21.23	+38 27 17.6	9.31	H	216.088 445 16	+38.454 885 35		6.58	−59.14	94.88	0.76	0.83	1.17	0.98	0.88	+ 9	+ 2	−20	+27	+ 0	+13	+ 2	+33	−22	− 9	0	0.31
70417	14 24 22.09	−35 20 28.2	11.89	G	216.092 055 57	−35.341 175 21		2.91	−13.61	7.28	3.27	2.59	4.69	3.50	3.28	−12	−16	−37	+18	+21	− 4	+10	−61	+48	−22	4	−1.22
70418	14 24 22.18	−82 50 53.6	6.42	H	216.092 405 80	−82.848 223 32		3.70	−22.64	−10.97	0.45	0.45	0.54	0.47	0.48	+13	−13	+ 6	−18	− 4	− 9	− 5	− 1	+ 5	+18	0	−0.62
70419	14 24 22.59	−26 45 31.4	8.33	H	216.094 130 42	−26.758 733 46		3.17	− 7.23	−18.04	0.88	0.58	1.06	0.98	0.77	−24	−22	+ 6	+ 2	+ 4	+15	+ 6	−40	− 8	−20	0	0.69
70420	14 24 22.84	+44 23 33.1	9.10	H	216.095 156 92	+44.392 532 72		1.53	−10.77	−29.48	0.76	0.86	1.04	1.00	0.95	+28	− 8	−21	−24	−28	− 1	−27	−38	+ 4	+21	0	0.26
70421	14 24 23.18	+63 20 43.5	10.40	H	216.096 566 48	+63.345 407 87		5.03	6.90	31.80	1.01	1.00	1.11	1.07	1.13	+16	− 6	−17	−21	− 9	+10	− 8	−19	+ 3	+11	1	0.31
70422 H	14 24 23.46	−26 09 03.4	8.56	H	216.097 743 33	−26.150 944 15	A	9.64	−22.88	−5.29	1.41	1.01	1.70	1.69	1.19	−24	−17	− 2	+ 3	+ 0	+33	+ 5	−52	+19	− 3	1	0.65
70423	14 24 23.56	−61 20 59.2	9.15	G	216.098 186 94	−61.349 774 64		0.68	− 5.87	− 5.01	1.05	0.85	1.22	1.36	1.12	+14	−23	− 7	+26	− 5	+ 9	− 6	+24	+10	+24	0	0.21
70424	14 24 25.62	+10 37 30.7	9.07	H	216.106 763 50	+10.625 184 04		15.01	46.55	−171.74	1.44	1.11	1.64	1.68	1.33	+10	− 5	−44	−58	−21	− 3	−24	−50	+44	+ 3	0	1.90
*70425	14 24 27.14	+01 56 51.3	9.09	H	216.113 082 71	+01.947 577 00		1.95	− 3.52	0.63	1.23	1.08	1.59	1.47	1.22	−43	+ 5	−38	−27	+ 0	− 1	+ 1	−32	+22	−57	0	−0.69
*70426	14 24 27.14	+60 15 23.7	9.60	H	216.113 068 17	+60.256 590 88		22.20	−202.15	117.98	0.91	0.94	1.07	1.16	1.13	+14	−15	−12	− 6	+ 2	−13	+ 0	− 4	+ 7	+ 5	1	3.02
70427	14 24 27.38	−49 00 25.9	9.01	H	216.114 089 61	−49.007 195 41		8.37	−31.33	−40.25	0.83	0.77	1.33	1.09	1.14	−15	−18	− 4	+18	+17	−22	+19	− 9	+ 8	− 8	0	−0.43
70428	14 24 27.78	+47 31 51.8	9.36	H	216.115 751 95	+47.531 054 73		1.80	−15.56	− 8.19	0.81	0.89	1.07	0.88	0.92	+13	− 5	−22	−24	− 2	−11	− 8	−40	+13	− 7	1	1.16
*70429	14 24 28.28	+63 59 05.9	8.58	H	216.117 813 29	+63.984 978 44		8.17	9.56	− 2.08	0.63	0.66	0.70	0.71	0.73	+21	−11	−17	−15	−11	+ 0	−11	− 5	+ 4	+18	0	0.00
*70430	14 24 28.25	+16 51 11.7	10.51	H	216.117 719 53	+16.853 262 35		5.32	−17.89	−52.72	1.21	1.19	1.59	1.27	1.22	−38	+ 4	− 6	+19	+11	+ 6	+10	− 2	−13	−41	0	−0.30
70431	14 24 28.91	+24 44 31.5	9.29	H	216.120 475 79	+24.742 081 47		2.65	5.43	−11.30	1.06	0.78	1.16	1.20	0.85	− 7	− 5	− 7	+12	+ 5	+11	+ 7	+23	− 8	−18	0	0.37
70432	14 24 29.66	−12 25 07.4	8.63	2 H	216.123 577 64	−12.418 733 67		3.73	6.10	6.15	1.12	0.70	1.27	1.11	0.85	−11	−42	−19	+21	+ 2	+ 5	− 4	−26	+21	−18	2	0.38
70433	14 24 30.68	−06 43 31.0	9.26	H	216.127 823 76	−06.725 282 47		4.76	−25.12	−46.42	1.54	0.79	1.67	1.60	1.05	+ 1	−52	−13	+18	− 7	+ 2	−22	−16	+39	+ 6	0	0.82
70434	14 24 30.79	−14 47 26.2	8.26	H	216.128 281 87	−14.790 599 05		12.48	−41.97	−33.45	1.14	0.60	1.23	1.17	0.78	−11	−43	− 7	+34	− 2	+ 6	−12	−29	+42	+ 2	2	0.73
70435	14 24 31.46	+49 17 48.9	8.48	G	216.131 076 30	+49.296 929 45		13.35	−180.28	49.80	0.64	0.72	0.88	0.79	0.89	+12	− 6	−17	+ 5	−14	+24	− 9	−21	+11	+15	0	0.15
70436	14 24 32.32	−61 23 21.9	7.68	H	216.134 681 77	−61.389 415 15		0.39	− 6.45	− 4.44	0.72	0.63	0.86	0.89	0.79	+ 9	−20	−12	+32	− 6	+ 9	− 4	+32	− 2	+14	0	0.55
70437	14 24 33.71	−18 05 58.5	8.89	H	216.140 450 60	−18.099 586 48		2.90	−30.30	3.14	1.28	0.76	1.33	1.52	1.05	− 4	−14	−11	+13	+ 2	+ 5	− 8	−42	+27	−17	5	−1.45
70438	14 24 34.74	−11 05 49.2	8.94	G	216.144 758 65	−11.096 986 21		6.00	−18.94	3.50	1.19	0.74	1.33	1.50	1.05	−22	−31	+ 1	+34	− 4	− 2	−14	− 6	+35	−21	0	0.36
70439	14 24 35.86	−02 20 34.4	7.18	1 H	216.149 403 64	−02.342 884 16		3.52	−30.11	5.49	0.87	0.55	0.96	0.99	0.65	− 7	−33	−20	+14	−13	+18	−11	− 1	+ 5	−13	0	1.67
70440	14 24 35.89	−14 04 53.1	7.31	H	216.149 550 42	−14.081 426 37		3.86	−67.42	−14.58	0.95	0.60	0.99	0.98	0.69	−26	−36	+ 0	+35	+ 5	+ 9	+ 7	−25	+12	−17	0	0.91
70441	14 24 37.02	−47 10 39.7	7.45	H	216.154 251 70	−47.177 685 60		7.09	−24.22	−20.99	0.67	0.59	0.91	0.97	0.88	−22	− 7	− 3	+37	+14	−14	+28	−23	+ 9	+ 4	2	0.63
70442	14 24 37.61	−25 19 06.1	9.39	H	216.156 700 47	−25.318 356 21		9.52	8.92	−41.11	1.08	0.73	1.40	1.33	0.97	−37	−26	+ 3	+15	+ 1	+25	+ 3	−40	+ 9	−25	0	0.77
70443	14 24 37.85	−14 42 48.4	7.92	H	216.157 717 00	−14.713 458 15		6.75	−59.85	− 5.95	1.03	0.65	1.06	1.08	0.73	−24	−27	+ 9	+39	+ 3	+12	+ 6	−23	+23	− 1	5	0.70
70444	14 24 38.13	−61 34 08.5	10.96	H	216.158 888 75	−61.569 017 11	B	−4.31	− 6.59	5.63	23.37	17.24	8.33	18.17	13.46	+13	− 3	− 6	+28	+ 5	+16	+ 4	+27	+ 8	+26	2	1.28
70445	14 24 38.34	+34 25 21.2	9.56	H	216.159 740 72	+34.422 548 86		2.59	−63.19	− 3.80	1.03	0.99	1.45	1.60	1.18	− 7	− 1	+ 4	+ 3	+13	−22	+ 4	+12	+ 2	−10	0	1.11
70446	14 24 38.69	+47 49 30.5	9.73	H	216.161 196 58	+47.825 129 81	B	13.87	−50.39	−35.71	17.62	17.90	9.36	8.97	9.30	+14	−19	−20	+ 2	−16	+ 9	−21	−20	+ 6	−15	3	2.96
70447	14 24 38.91	+47 49 50.0	7.64	H	216.162 114 40	+47.830 566 25	A	9.03	−46.84	−32.58	1.31	1.48	1.35	1.33	1.34	+14	−18	−20	− 8	−16	+10	−20	−27	+ 8	−18	3	2.96
70448	14 24 39.35	−61 34 00.9	9.13	H	216.163 977 04	−61.566 905 90	A	2.18	− 6.16	−10.92	2.60	2.34	2.40	3.13	2.65	+17	− 5	− 4	+30	+ 5	+15	+ 4	+38	+ 3	+29	2	1.28
70449	14 24 39.44	+45 08 52.4	9.08	H	216.164 346 06	+45.147 898 35		8.90	−155.55	30.20	0.76	0.88	1.08	0.96	0.96	+29	−20	−31	− 5	−20	+14	−24	−32	+ 7	− 1	1	1.16
70450	14 24 40.06	+02 32 12.5	8.82	2 H	216.166 903 30	+02.536 814 96		2.16	− 9.19	− 7.03	1.20	1.02	1.58	1.47	1.28	−41	− 2	−31	−21	− 6	− 7	− 8	−25	+36	−61	4	0.67
70451	14 24 40.84	−44 18 39.7	6.43	H	216.170 179 95	−44.311 034 31		6.60	−37.34	−41.03	0.65	0.48	0.79	0.60	0.64	− 2	−30	−10	− 5	− 3	−15	−11	− 2	+21	−20	0	−0.61
70452 H	14 24 40.90	−11 40 10.7	6.49	G	216.170 404 52	−11.669 647 36	A	11.13	−75.18	−22.86	1.12	0.84	1.04	1.02	0.84	−10	−24	−17	+34	+ 2	−16	−10	− 6	+31	−35	1	−0.11
70453	14 24 41.04	+56 50 25.4	8.78	H	216.170 992 58	+56.840 375 79		8.17	30.52	−25.45	0.68	0.70	0.80	0.82	0.81	+14	+ 2	−10	−14	−11	−10	−11	− 3	+ 4	+ 0	0	−1.00
70454	14 24 43.90	−58 51 11.1	9.64	G	216.182 921 10	−58.853 078 73		−1.94	− 1.69	− 0.79	1.10	0.98	1.61	2.11	1.40	+22	− 5	+ 6	+ 7	− 1	−23	+ 1	+ 8	−13	+67	0	−0.28
70455	14 24 43.93	−40 45 18.4	6.97	G	216.183 051 22	−40.755 112 31		6.43	−21.56	−19.93	0.70	0.53	0.86	0.71	0.71	−26	−46	+ 0	+11	+ 5	+ 2	+ 0	−19	+ 1	−43	0	2.04
70456	14 24 45.73	+25 40 28.0	9.29	H	216.190 526 76	+25.674 452 24		4.32	− 8.37	7.54	1.05	0.81	1.25	1.02	0.86	−14	−23	−21	−31	−21	+17	− 4	+23	−11	−46	0	−1.20
70457	14 24 45.87	−00 12 41.8	9.29	H	216.191 105 94	−00.211 602 63		1.92	− 4.06	−10.30	1.45	1.09	1.79	1.77	1.23	−27	−20	−33	+ 3	−18	+ 8	−17	− 1	+ 9	−35	0	0.91
70458	14 24 46.11	−07 10 10.6	8.22	H	216.192 108 40	−07.169 615 93		3.08	12.81	1.32	1.14	0.66	1.14	1.31	0.88	−14	−12	−12	+48	− 1	+ 6	− 2	−19	+31	−12	0	0.01
70459	14 24 46.32	−63 42 22.4	7.26	G	216.192 980 28	−63.706 219 65		27.44	−255.56	−140.99	0.45	0.61	0.85	0.57	0.76	+26	−11	− 3	+42	+22	−12	+33	+ 5	−11	+53	0	0.73
*70460	14 24 46.54	−75 02 07.6	9.42	H	216.193 911 76	−75.035 436 10		2.73	−16.78	−13.34	0.85	0.75	1.02	1.05	0.91	+11	+ 2	+14	−32	+ 4	−20	+ 3	− 3	+ 3	+24	0	−1.02
*70461	14 24 46.49	+12 33 01.2	9.69	H	216.193 704 63	+12.550 335 39		4.64	−41.59	−23.29	1.28	0.95	1.56	1.37	0.97	− 8	−30	−15	− 6	−10	+27	− 5	− 9	+ 0	− 9	0	−0.24
70462	14 24 46.60	−65 29 02.6	8.13	H	216.194 153 10	−65.484 053 09		2.48	−29.93	−17.34	0.52	0.74	1.05	0.68	0.89	+45	− 8	− 6	+ 0	+11	− 7	+ 8	+12	− 2	+57	0	1.53
70463	14 24 46.82	−04 01 33.4	8.92	H	216.195 074 06	−04.025 951 10		2.52	− 2.14	7.31	1.18	0.74	1.19	1.35	0.97	− 5	−30	+ 1	+29	− 2	+ 9	− 7	+10	+15	− 5	0	2.44
70464	14 24 47.17	+12 30 30.1	11.01	H	216.196 548 45	+12.508 353 55		1.73	5.00	− 0.36	1.98	1.50	2.42	2.06	1.51	− 9	−30	−16	−12	− 9	+25	− 5	−16	+ 3	− 9	5	0.86
70465	14 24 47.33	−45 12 14.1	7.90	G	216.197 194 53	−45.203 920 62		3.78	−17.02	−13.89	0.92	0.61	0.98	1.14	0.87	+ 5	−15	− 3	+27	+18	−11	+14	− 9	+20	− 3	0	0.49
70466	14 24 48.26	+04 59 05.1	9.71	H	216.201 072 98	+04.984 748 02		0.42	6.35	−30.66	1.28	1.11	1.63	1.38	1.37	−31	−19	−14	+ 5	−19	+ 8	−27	−12	+25	−45	0	−1.58
*70467	14 24 48.51	+33 05 27.9	9.65	H	216.202 145 76	+33.091 077 15		10.11	4.26	− 5.41	0.85	0.84	1.25	1.28	1.03	−18	+16	−10	+ 8	+ 5	+ 3	− 1	−11	− 7	−43	0	0.97
*70468	14 24 48.51	+21 21 28.8	7.24	H	216.202 140 16	+21.357 986 77		3.33	6.17	−37.18	0.67	0.62	0.89	0.76	0.66	−26	− 1	−26	+ 7	+ 3	−12	− 1	+ 3	−15	−35	0	0.30
70469	14 24 48.66	−24 48 22.6	5.34	H	216.202 752 52	−24.806 266 39		8.16	−53.40	−18.14	0.73	0.49	0.87	0.81	0.62	−43	−33	+ 6	+26	−11	+24	−12	−10	+ 3	−39	2	1.31
70470	14 24 49.06	+41 16 32.2	8.36	H	216.204 427 41	+41.275 616 62		24.84	−155.89	−209.60	0.61	0.72	0.95	0.78	0.83	+ 4	− 6	−35	−13	+ 8	− 3	+ 6	−20	+27	−13	1	1.05
70471	14 24 49.16	−28 55 18.8	9.24	H	216.204 840 72	−28.921 878 73		−1.00	−74.79	0.36	1.17	0.71	1.38	1.50	1.00	− 1	− 9	− 1	− 8	−11	−18	−15	−44	+18	− 7	0	1.16
70472	14 24 50.13	−17 27 08.8	10.71	G	216.208 864 48	−17.452 443 79		30.13	−436.64	80.35	1.83	1.05	2.00	2.06	1.34	− 9	−31	−15	+20	+ 6	+ 9	− 1	−36	+28	−11	2	1.29
70473	14 24 51.08	+65 09 30.3	9.34	H	216.212 818 42	+65.158 422 63		10.14	−152.21	84.04	0.73	0.82	0.87	0.73	0.90	+ 6	−21	−25	−25	− 8	− 4	− 9	−13	+ 7	−15	0	−0.21
70474	14 24 53.76	+62 56 10.9	7.33	H	216.223 985 21	+62.936 352 72		11.41	23.21	−27.09	0.52	0.55	0.62	0.56	0.61	+21	−30	−27	−11	− 7	+ 7	− 7	−10	+ 9	− 1	0	−0.10
70475	14 24 55.66	+08 53 14.0	12.23	2 G	216.231 920 23	+08.887 234 65		69.73	546.31	158.16	3.66	3.11	4.28	4.23	3.93	−36	− 8	−21	−30	+26	−30	+14	−48	+36	−57	2	0.65
70476	14 24 56.08	+57 52 01.1	9.20	H	216.233 656 10	+57.866 964 19		2.30	− 4.36	2.98	0.65	0.63	0.74	0.79	0.77	+20	−10	−12	− 6	+ 1	− 1	+ 1	− 1	+ 1	+17	2	0.21
70477	14 24 56.85	−54 33 27.1	8.57	1 H	216.236 875 17	−54.557 521 19		−0.16	− 3.71	− 2.49	0.77	0.64	1.00	0.75	0.87	−14	−32	+ 3	+ 4	+14	−11	+16	−14	+ 5	−13	0	2.45
70478 H	14 24 56.98	+37 29 42.6	9.65	H	216.237 406 33	+37.495 162 17	*	4.37	10.98	16.74	0.81	0.81	1.31	0.97	0.86	+14	+14	+10	+11	− 4	−14	− 5	+18	−27	+10	0	0.05
70479	14 24 57.52	−82 13 14.2	8.35	H	216.239 664 89	−82.220 610 73		3.50	2.06	− 5.35	0.70	0.63	0.76	0.68	0.73	+33	−28	− 3	−30	−20	− 5	−23	−24	+12	+32	0	1.04
70480	14 24 58.09	+28 36 53.9	9.79	H	216.242 037 69	+28.614 985 52		4.62	5.02	6.73	0.83	1.00	1.33	1.04	1.06	−18	+ 0	−22	−23	− 7	+ 4	+ 0	+16	− 9	−33	0	−1.26
70481	14 24 59.68	+19 30 36.8	8.40	H	216.248 650 29	+19.510 214 99		3.78	−12.88	8.43	0.79	0.74	1.03	0.90	0.84	−22	− 3	−19	+45	− 6	− 2	− 8	+27	− 9	−32	0	1.99
70482	14 25 00.01	−20 33 27.7	9.10	H	216.250 021 74	−20.557 694 98		5.41	−23.70	− 2.17	1.23	0.80	1.58	1.67	1.14	−17	−19	−29	+31	+14	−27	+ 3	−56	+55	−22	0	−0.49
70483	14 25 01.04	−37 26 49.1	6.70	1 G	216.254 345 70	−37.446 959 04		9.25	−32.12	−32.87	0.67	0.51	0.86	0.71	0.72	−14	−15	−15	−15	+ 4	−11	− 6	−34	+21	−32	0	1.67
70484	14 25 02.14	−30 47 58.6	7.86	H	216.258 914 34	−30.799 605 25		3.61	−11.28	− 9.81	0.95	0.64	1.20	1.24	0.85	−18	+28	−41	−18	− 3	−11	+15	−65	+50	+ 7	0	−1.19
70485	14 25 03.14	+83 43 29.9	9.27	H	216.263 070 52	+83.724 964 35		4.49	3.56	−24.55	0.76	0.85	0.90	0.73	1.05	+10	−24	−18	+ 0	+ 0	− 2	− 2	+19	+ 5	+ 6	3	0.68
70486	14 25 03.38	+05 36 55.4	7.16	H	216.264 102 35	+05.615 378 11		4.31	9.95	−20.49	0.80	0.59	0.94	0.79	0.71	−20	−26	− 3	+ 3	−27	+22	−32	+11	+12	−35	0	−1.28
70487	14 25 03.46	+49 14 38.1	10.75	G	216.264 399 30	+49.243 904 71		16.04	−158.28	80.72	1.27	1.44	1.66	1.43	1.53	+15	− 4	− 9	− 6	−15	+15	−20	−34	+ 1	− 8	3	1.62
*70488	14 25 03.94	+31 05 52.7	9.53	H	216.266 425 99	+31.097 970 45		1.53	− 7.24	−21.53	0.89	0.85	1.23	1.12	0.90	+ 7	+ 9	− 5	+ 9	−19	+16	−18	+ 8	−26	−27	0	1.52
*70489	14 25 03.93	+50 56 32.8	7.91	H	216.266 378 36	+50.942 448 36		0.90	− 7.18	7.09	0.55	0.58	0.71	0.68	0.63	+ 9	− 9	−14	+ 4	−15	+ 4	−16	− 9	+ 0	−17	1	1.90
70490	14 25 04.20	+31 42 35.1	9.34	H	216.267 506 88	+31.709 755 80		5.51	− 4.37	−27.57	0.76	0.72	1.27	1.19	0.90	+25	+16	− 7	+15	− 6	+ 5	−12	+ 1	−16	−18	0	1.43
70491	14 25 05.29	+18 15 15.5	8.36	H	216.272 059 90	+18.254 309 55		4.12	−12.39	−25.06	0.92	0.82	1.24	1.02	0.88	−39	−25	−13	+13	+25	−25	+16	−20	+ 5	−57	0	0.30
70492	14 25 06.34	−68 11 43.2	5.56	1 H	216.276 412 98	−68.195 323 85		0.93	− 7.96	− 3.80	0.36	0.42	0.60	0.37	0.48	+25	−18	− 4	+ 4	+ 5	−20	+ 4	+20	+ 1	+24	0	−0.31
70493	14 25 07.33	−70 01 46.6	8.25	H	216.280 561 47	−70.029 599 30		1.17	−21.84	−24.05	0.61	0.69	0.98	0.77	0.81	+17	+ 2	− 7	−14	+ 7	−21	+ 0	+12	+ 2	+36	0	−1.45
70494	14 25 07.57	−14 42 30.5	9.11	H	216.281 559 48	−14.708 477 16		9.09	25.35	−24.46	1.33	0.83	1.45	1.56	0.99	−28	−29	+ 5	+26	− 4	+18	+ 4	−38	+17	− 3	0	0.81
70495	14 25 08.62	−32 01 32.6	10.07	H	216.285 931 07	−32.025 726 23		8.13	9.05	−63.59	1.39	1.00	1.89	1.82	1.41	−15	− 2	−42	+16	+ 5	+15	−65	+51	+ 0	0	1	1.57
70496	14 25 11.70	−13 48 58.2	9.23	G	216.298 763 36	−13.816 178 03		11.31	−140.34	−45.09	1.44	0.86	1.53	1.60	1.02	−20	−38	− 2	+26	+ 5	+14	+ 9	−37	+15	− 3	0	0.20
70497	14 25 12.02	+51 51 06.2	4.04	H	216.300 080 64	+51.851 713 54		68.63	−236.06	−399.07	0.47	0.45	0.56	0.55	0.50	+13	−16	−10	+11	−17	− 6	−17	+ 0	− 8	−11	0	−1.66
70498 H	14 25 13.18	−28 07 51.4	7.11	H	216.304 898 14	−28.130 937 65	A	1.86	− 0.59	−10.12	1.42	1.01	1.43	1.74	1.21	−20	−11	− 7	−14	−16	+24	− 6	+48	+23	1	0.53

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
70401	9.603	0.018	8.103	0.010		1.282	0.017	T	4.85	0.04	O	6.9363	0.0170	0.140	98		6.66	7.17		U 2 B			1 S							
70402	8.883	0.012	8.736	0.014		0.134	0.017	T	0.15	0.02	L	8.7592	0.0015	0.018	125		8.73	8.80		C			1 S							
70403	9.469	0.014	8.377	0.010		0.944	0.013	T	0.93	0.01	L	8.4720	0.0017	0.023	144		8.43	8.50		R			1 S							
70404	10.431	0.040	9.017	0.021		1.194	0.035	T	1.15	0.03	L	9.0699	0.0027	0.018	69		9.03	9.11		C			1 S							
70405	8.005	0.009	6.900	0.007		0.953	0.009	T	0.94	0.01	L	6.9605	0.0010	0.009	88		6.94	6.98		C			1							S
70406	11.747	0.105	9.772	0.027		1.638	0.086	T	1.66	0.09	L	9.6584	0.0023	0.024	122		9.60	9.69					1 S							G
70407	9.418	0.018	9.210	0.021		0.192	0.027	T	0.21	0.03	L	9.2760	0.0024	0.022	90		9.23	9.32		C			1							
70408	9.821	0.024	9.047	0.019		0.704	0.024	T	0.76	0.02	L	9.1128	0.0018	0.015	123		9.09	9.14					1							
70409	9.280	0.014	8.812	0.014		0.441	0.018	T	0.51	0.02	L	8.8916	0.0020	0.025	128		8.85	8.93		C			1							S
70410	10.329	0.036	9.678	0.032	*	0.596	0.036	T	0.67	0.03	L *	9.7207	0.0031	0.022	85	*	9.68	9.75		D	14243−3838	I 1	2 C S A	AS	333	0.170	0.010	0.27	0.41	
70411	9.839	0.022	8.260	0.011		1.324	0.019	T	1.29	0.02	L	8.2717	0.0016	0.015	100		8.24	8.30					1							S
70412	10.001	0.022	9.487	0.021		0.516	0.015	G	0.59	0.02	H	9.5807	0.0021	0.021	128		9.55	9.62		C			1							
70413	10.948	0.044	10.577	0.052		0.351	0.063	T	0.41	0.07	L	10.6843	0.0029	0.026	134		10.64	10.73		C			1							G
70414	7.741	0.007	6.309	0.004		1.208	0.006	T	1.19	0.02	A	6.3439	0.0012	0.007	74		6.33	6.36		C			1							S
70415	10.466	0.039	9.626	0.030		0.693	0.002	G	0.75	0.00	H	9.7275	0.0021	0.020	92		9.70	9.76		C			1							
70416	10.054	0.022	9.367	0.019		0.635	0.024	T	0.70	0.02	L	9.4449	0.0026	0.025	152		9.41	9.50					1							
70417						1.174	0.018	G	1.29	0.03	I	12.1208	0.0089	0.063	76		11.98	12.24					1 S							D G
70418	6.417	0.003	6.420	0.004		−0.001	0.004	T	0.02	0.00	L	6.4252	0.0008	0.007	142		6.41	6.44		C			1							S
70419	8.366	0.009	8.331	0.011		0.032	0.013	T	0.05	0.01	L	8.3462	0.0014	0.015	123		8.32	8.37		C			1							S
70420	10.919	0.046	9.270	0.020		1.379	0.040	T	1.35	0.05	L	9.2388	0.0022	0.019	113		9.21	9.27		C			1							
70421	10.998	0.052	10.447	0.048		0.516	0.063	T	0.59	0.07	L	10.5095	0.0031	0.030	107		10.46	10.55					1							
70422	9.069	0.013	8.636	0.013	A	0.800	0.495	G	0.42	0.05	L *	8.6456	0.0015	0.012	115	*	8.63	8.67		D	14244−2609	I 1	2 C A	AB	91	5.788	0.040	3.23	0.09	S
70423	9.277	0.016	9.175	0.020		0.148	0.010	G	0.16	0.01	H	9.1992	0.0027	0.024	113		9.16	9.23					1							D
70424	9.926	0.029	9.164	0.024		0.679	0.029	T	0.74	0.02	L	9.2099	0.0032	0.019	69		9.18	9.24		C			1							
70425	10.332	0.034	9.201	0.021		0.973	0.031	T	0.96	0.03	L	9.2515	0.0022	0.018	95		9.21	9.28		C			1							S
70426	10.951	0.039	9.747	0.023		1.030	0.035	T	1.00	0.03	L	9.7558	0.0036	0.033	136		9.70	9.82		R	14245+6015	I 1	1 S							
70427	9.568	0.018	9.076	0.018		0.474	0.020	T	0.55	0.02	L	9.1148	0.0024	0.017	110		9.08	9.14		C			1							
70428	11.319	0.067	9.542	0.025		1.510	0.059	T	1.89	0.17	O	9.4487	0.0023	0.022	117		9.42	9.49					1							
70429	9.004	0.011	8.611	0.012		0.372	0.015	T	0.43	0.02	L	8.6677	0.0018	0.013	120		8.65	8.69		C			1							S
70430	11.131	0.057	10.592	0.058		0.505	0.073	T	0.58	0.08	L	10.6185	0.0040	0.031	96		10.57	10.69					1							
70431	11.172	0.060	9.469	0.024		1.422	0.051	T	1.41	0.08	L	9.4279	0.0025	0.017	85		9.41	9.46		C			1							
70432	10.709	0.053	8.843	0.019		1.584	0.046	T	2.21	0.10	O	8.6889	0.0022	0.024	76		8.66	8.73		U 2			1							
70433	10.501	0.051	9.364	0.033		0.978	0.047	T	0.96	0.04	L	9.4248	0.0024	0.020	62		9.39	9.45					1							
70434	8.918	0.012	8.322	0.011		0.556	0.015	G	0.63	0.01	H	8.3781	0.0012	0.011	84		8.36	8.40		C			1							S
70435	9.256	0.016	8.543	0.014		0.657	0.015	G	0.72	0.01	H	8.6260	0.0016	0.015	114		8.60	8.65		C			1 G							S
70436	7.932	0.008	7.700	0.009		0.244	0.005	G	0.27	0.01	H	7.7505	0.0022	0.017	121		7.72	7.78					1							S
70437	10.413	0.035	9.021	0.018		1.177	0.031	T	1.14	0.03	L	9.0550	0.0021	0.015	94		9.02	9.08		C			1							
70438	9.233	0.020	9.014	0.023		0.231	0.020	G	0.26	0.03	H	9.0231	0.0020	0.016	74		9.00	9.05		C			1							
70439	9.277	0.019	7.369	0.009		1.616	0.022	G	2.01	0.05	F	7.2584	0.0023	0.015	73		7.23	7.28		U 2			1							S
70440	8.638	0.011	7.419	0.007		1.042	0.010	T	1.01	0.01	L	7.4732	0.0011	0.008	81		7.46	7.49		C			1							S
70441	7.540	0.007	7.452	0.007		0.079	0.009	T	0.09	0.01	L	7.4830	0.0009	0.010	108		7.46	7.50		C			1							S
70442	10.120	0.026	9.447	0.022		0.612	0.026	T	0.68	0.02	L	9.5162	0.0020	0.015	111		9.49	9.54		C			1							
70443	8.272	0.011	7.955	0.012		0.304	0.018	T	0.35	0.02	L	7.9922	0.0012	0.016	84		7.97	8.02					1							S
70444	10.933	0.067	10.525	0.086	B	0.386	0.101	T	0.45	0.11	L	11.0496	0.0466			B				D	14247−6134	I 2	1 C I A							
70445	10.903	0.035	9.637	0.020		1.079	0.031	T	1.15	0.04	L	9.6888	0.0022	0.025	154		9.65	9.74		C			1 G							
70446	10.031	0.029	9.455	0.026	B	0.538	0.035	T	0.61	0.04	L	9.6893	0.0647			B				D	14246+4750	I 2	1 C I A							
70447	8.098	0.010	7.678	0.009	A	0.397	0.012	T	0.46	0.01	L	7.7327	0.0136	0.045	125	A	7.66	7.78		D	14246+4750	I 2	1 C P A							S
70448	9.134	0.014	9.093	0.019	A	0.047	0.007	G	0.06	0.01	H	9.1486	0.0090	0.041	121	A	9.09	9.21		D	14247−6134	I 2	1 C P A							
70449	9.946	0.025	9.157	0.020		0.716	0.025	T	0.77	0.02	L	9.2275	0.0018	0.020	121		9.19	9.26		C			1							
70450	10.903	0.047	9.046	0.017		1.576	0.041	T	2.43	0.08	O	8.8462	0.0063	0.073	112		8.79	9.00		U 2			1							P
70451	7.780	0.008	6.554	0.005		1.047	0.007	T	1.02	0.01	L	6.5984	0.0010	0.008	97		6.59	6.61		C			1							S
70452	7.033	0.010	6.579	0.012	A	0.417	0.002	G	0.48	0.00	H *	6.5847	0.0008	0.007	84	*	6.57	6.60		D	14247−1140	I 1	2 C A	AB	279	1.265	0.004	1.12	0.01	S
70453	10.089	0.023	8.898	0.014		1.020	0.021	T	0.99	0.02	L	8.9484	0.0016	0.016	125		8.92	8.98					1							
70454	9.955	0.025	9.711	0.031		0.397	0.015	G	0.46	0.02	H	9.7101	0.0025	0.030	122		9.66	9.77		C			1							G
70455	6.890	0.006	6.960	0.007		−0.053	0.009	G	−0.03	0.01	H	6.9535	0.0009	0.007	82		6.94	6.97		C			1							S
70456	9.570	0.017	9.321	0.020		0.237	0.025	T	0.26	0.03	L	9.3595	0.0028	0.023	109		9.31	9.40		C			1							
70457	10.669	0.055	9.357	0.029		1.114	0.049	T	1.08	0.05	L	9.4541	0.0026	0.013	53		9.43	9.48					1							
70458	9.831	0.026	8.362	0.015		1.238	0.024	T	1.20	0.02	L	8.3833	0.0016	0.013	67		8.36	8.41		C			1							
70459	7.976	0.005	7.313	0.005		0.595	0.008	G	0.67	0.01	H	7.3840	0.0011	0.012	187		7.36	7.40		C			1							S
70460	9.827	0.019	9.452	0.021		0.332	0.002	G	0.39	0.00	H	9.4976	0.0025	0.021	135		9.45	9.52					1							
70461	10.202	0.032	9.722	0.032		0.452	0.041	T	0.52	0.04	L	9.7945	0.0027	0.019	76		9.77	9.84					1							
70462	9.574	0.013	8.250	0.008		1.120	0.015	G	1.08	0.02	H	8.2951	0.0014	0.020	231		8.27	8.33			14248−6529	I 1	1							
70463	9.364	0.023	8.989	0.025		0.355	0.032	T	0.42	0.04	L	9.0034	0.0023	0.015	65		8.98	9.03		D	14248−0402	I 1	1 S							S
70464	11.579	0.093	11.076	0.098		0.473	0.122	T	0.54	0.13	L	11.1072	0.0044	0.037	78		11.04	11.16		C			1							G
70465	7.920	0.011	7.897	0.012		0.028	0.013	G	0.04	0.01	H	7.9161	0.0020	0.015	96		7.89	7.95					1							S
70466	10.956	0.054	9.756	0.031		1.027	0.049	T	1.00	0.04	L	9.8795	0.0035	0.024	79		9.84	9.92		C			1							
70467	10.417	0.026	9.732	0.023		0.621	0.026	T	0.69	0.02	L	9.7829	0.0031	0.025	156		9.74	9.84					1							
70468	8.803	0.012	7.372	0.007		1.208	0.011	T	1.17	0.01	L	7.4021	0.0014	0.011	101		7.38	7.42					1							S
70469	6.564	0.004	5.444	0.003		0.962	0.002	G	0.95	0.00	H	5.5022	0.0004	0.004	122		5.49	5.51					1							S
70470	9.306	0.012	8.443	0.010		0.757	0.012	T	0.80	0.01	L	8.5004	0.0017	0.020	143		8.46	8.54					1							S
70471	10.825	0.050	9.348	0.022		1.244	0.045	T	1.20	0.04	L	9.3735	0.0018	0.018	121		9.34	9.40		C			1							
70472						1.257	0.010	G	1.42	0.02	I	10.7997	0.0036	0.028	94		10.75	10.85		C			1							G
70473	10.071	0.024	9.384	0.021		0.590	0.015	G	0.66	0.01	H	9.4614	0.0017	0.016	117		9.44	9.49		C			1							
70474	7.830	0.007	7.382	0.008		0.460	0.006	G	0.53	0.01	H	7.4313	0.0010	0.010	113		7.41	7.45					1							S
70475						1.613	0.012	G	2.63	0.03	I	12.2895	0.0150	0.101	59		12.07	12.52		U			1							G
70476	9.268	0.015	9.194	0.018		0.073	0.022	T	0.08	0.02	L	9.2286	0.0015	0.015	137		9.21	9.25		C			1							
70477	8.684	0.033	8.582	0.041		0.092	0.048	T	0.10	0.05	L	8.6035	0.0017	0.018	118		8.57	8.63		U	14249−5433	I 1	1 S							
70478	10.196	0.019	9.726	0.020	*	0.443	0.026	T	0.51	0.03	L *	9.7485	0.0025	0.033	185	*	9.68	9.80			14249+3730	H 1	2 C S C	AB	266	0.155	0.108	1.22	1.82	
70479	9.750	0.019	8.483	0.012		1.079	0.018	T	1.04	0.01	L	8.5167	0.0014	0.015	130		8.49	8.54		C			1							
70480	10.223	0.023	9.833	0.026		0.369	0.032	T	0.43	0.04	L	9.8737	0.0027	0.028	133		9.83	9.93		C			1							
70481	9.635	0.021	8.511	0.014		0.968	0.020	T	0.95	0.02	L	8.5618	0.0015	0.014	99		8.54	8.59		C			1							
70482	10.745	0.046	9.240	0.021		1.266	0.040	T	1.22	0.04	L	9.2581	0.0020	0.015	99		9.23	9.28					1							
70483	6.833	0.004	6.702	0.005		0.114	0.006	G	0.13	0.01	H	6.7277	0.0012	0.012	95		6.71	6.74		M			1							S
70484	9.413	0.017	7.995	0.010		1.198	0.015	T	1.16	0.01	L	8.0260	0.0011	0.011	108		8.01	8.04		C			1							
70485	9.913	0.022	9.326	0.021		0.548	0.027	T	0.62	0.03	L	9.3926	0.0027	0.023	112		9.35	9.44					1							
70486	8.395	0.015	7.278	0.008		0.962	0.013	T	0.95	0.01	L	7.3291	0.0018	0.011	72		7.31	7.35					1							S
70487	12.320	0.255	10.781	0.093		1.119	0.020	G	1.20	0.03	I	10.9118	0.0037	0.040	98		10.86	10.98					1							G
70488	10.966	0.044	9.621	0.023		1.140	0.039	T	1.10	0.04	L	9.6993	0.0034	0.032	121		9.64	9.75					1							
70489	9.688	0.018	8.059	0.009		1.363	0.016	T	1.33	0.02	L	8.0598	0.0015	0.013	122		8.04	8.08					1							S
70490	9.743	0.016	9.379	0.017		0.345	0.022	T	0.40	0.03	L	9.4243	0.0020	0.023	179		9.38	9.47					1							
70491	10.148	0.025	8.509	0.012		1.371	0.022	T	1.34	0.03	L	8.5046	0.0016	0.015	100		8.48	8.54					1							
70492	6.108	0.003	5.646	0.003		0.435	0.004	T	0.65	0.03	C	5.6842	0.0009	0.012	167		5.67	5.71		U 2			1							S P
70493	10.233	0.023	8.416	0.010		1.528	0.021	T	1.57	0.05	L	8.3527	0.0016	0.019	163		8.32	8.38					1							
70494	10.343	0.031	9.240	0.020		0.943	0.029	T	0.93	0.02	L	9.2528	0.0019	0.015	86		9.22	9.27		C			1							
70495	10.745	0.047	10.125	0.043		0.574	0.047	T	0.65	0.04	L	10.1950	0.0028	0.021	100		10.16	10.23		C			1							G
70496	10.044	0.029	9.286	0.024		0.656	0.002	G	0.72	0.00	H	9.3637	0.0020	0.018	84		9.34	9.40		C			1							
70497	4.648	0.002	4.102	0.002		0.497	0.005	G	0.59	0.12	G	4.1514	0.0006	0.005	113		4.14	4.17			14252+5151	I 1	1							S
70498	8.955	0.013	7.302	0.007	*	1.382	0.012	T	1.35	0.01	L *	7.2558	0.0008	0.007	110	*	7.24	7.27		D	14252−2808	I 1	2 C A	AB	267	0.586	0.004	1.00	0.01	S
70499	7.722	0.007	7.173	0.006		0.526	0.009	G	0.60	0.01	H	7.2285	0.0008	0.009	107		7.22	7.25		C			1							S
70500	9.549	0.015	8.561	0.011		0.853	0.014	T	0.87	0.01	L	8.6162	0.0017	0.020	174		8.58	8.66		C			1							S

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%) δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
70501	14 25 17.63	−13 21 11.4	6.49	H	216.323 450 98	−13.353 170 29	6.27	−58.49	3.02	0.88	0.57	0.97	1.01	0.69	−25	−32	−	4	+30	−	2	+14	−	1	−15	+11	−18	2	1.39
70502	14 25 19.64	+36 45 02.3	9.85	H	216.331 831 28	+36.750 643 04	8.20	−63.49	14.15	0.80	0.93	1.45	0.93	0.95	+24	+	7	+18	+21	−11	−27	−	6	+18	−16	+18	0	0.06
70503	14 25 19.71	−72 37 14.7	7.79	H	216.332 124 92	−72.620 743 34	3.82	−15.53	−19.17	0.49	0.55	0.70	0.53	0.64	+12	−20	+	5	+21	+10	−10	+10	+23	+	3	+18	1	0.78
*70504	14 25 20.93	+03 56 52.9	8.42	2 H	216.337 210 50	+03.948 036 75	3.40	−14.40	8.49	1.29	0.90	1.66	1.25	1.24	+18	−48	−45	−38	−33	+	6	−53	−42	+61	−18	0	−0.60
*70505	14 25 20.87	−51 03 55.7	10.16	H	216.336 970 05	−51.065 477 92	1.57	−42.90	−19.48	2.42	2.17	3.46	2.79	2.93	−20	−21	−	6	−	8	+17	−13	+18	−25	+10	−	7	0	
70506	14 25 22.07	−54 35 00.3	8.96	H	216.341 971 62	−54.583 406 96	−1.02	−2.75	−2.38	0.84	0.70	1.12	0.82	0.92	−13	−42	+	7	+	7	+	5	−10	+	8	+	2	−	2	−	7	1	0.22
70507	14 25 22.70	+21 57 57.0	8.98	H	216.344 582 01	+21.965 829 02	5.03	−24.38	−25.98	0.96	0.79	1.22	1.20	0.84	−	3	−11	−31	+27	+16	−26	+	5	−	3	−	2	−17	0	−0.10
70508	14 25 22.92	−55 01 05.4	6.84	H	216.345 515 95	−55.018 169 86	4.44	8.48	−20.89	0.56	0.53	0.75	0.58	0.69	−21	−33	−	3	+	2	+	9	−11	+	8	−	7	+	6	−21	0	0.13
70509	14 25 23.13	+17 36 57.0	9.60	H	216.346 362 39	+17.615 844 96	10.34	−44.45	12.26	1.18	1.10	1.64	1.34	1.28	−40	−	2	−18	+	7	+19	−14	+14	−20	+20	−51	0	0.02
70510	14 25 23.70	−14 05 06.5	8.48	H	216.348 759 23	−14.085 137 25	10.36	−94.66	44.61	1.14	0.73	1.10	1.24	0.80	−31	−14	+16	+46	+11	+24	+20	−37	+	0	−14	5	1.82
70511	14 25 25.55	−29 04 14.2	9.26	H	216.356 472 56	−29.070 609 90	2.92	30.71	−29.60	1.08	0.76	1.32	1.54	1.08	−12	−17	−	7	−	1	−	8	−	1	−10	−38	+24	−10	0	0.16
70512	14 25 26.94	−40 02 34.6	9.56	G	216.362 252 46	−40.042 949 42	16.09	−99.42	−136.82	1.15	0.95	1.55	1.41	1.28	−25	−19	−12	+	8	+10	+16	+	7	−35	+	7	−34	2	0.04
70513 H	14 25 27.65	−19 57 56.9	6.98	H	216.365 223 25	−19.965 812 24	B 5.80	−23.95	−11.30	1.56	1.28	1.74	1.84	1.67	+	5	−22	−20	+10	+10	−34	−13	−54	+47	−35	0	−0.45
70514	14 25 27.69	−28 53 43.6	6.83	H	216.365 374 07	−28.895 435 24	7.47	60.59	−71.94	0.70	0.48	0.82	0.87	0.62	−10	−16	−	3	+	2	−	9	−	2	−	9	−28	+11	−	6	0	0.91
70515	14 25 28.39	−53 27 53.7	9.21	H	216.368 284 64	−53.464 916 46	12.71	−77.19	−25.56	0.83	0.85	1.29	1.09	1.28	−12	−28	−	1	+11	+12	−	9	+13	−	6	+	1	−	6	0	0.86
70516	14 25 28.54	−37 35 41.8	8.75	H	216.368 910 98	−37.594 949 20	0.78	−38.22	−2.29	1.00	0.69	1.21	1.12	0.99	−	5	−13	−14	−14	+	1	−	7	−	8	−37	+18	−21	0	0.17
70517	14 25 29.15	+38 23 35.2	6.28	H	216.371 449 31	+38.393 100 09	5.22	5.95	−19.27	0.42	0.46	0.63	0.52	0.48	+11	+	3	−15	+21	+	1	+12	+	2	+24	−14	+	5	0	0.80
70518	14 25 29.91	−19 58 11.8	6.63	G	216.374 609 88	−19.969 952 33	7.01	−25.39	−13.29	0.78	0.57	1.00	0.97	0.84	−24	−24	−25	+26	+16	−24	−	6	−47	+49	−44	0	−0.43
70519	14 25 29.94	−43 38 36.0	7.66	G	216.374 733 18	−43.643 338 66	3.81	25.31	−105.50	0.78	0.52	0.95	0.69	0.68	+	3	−41	+	0	−12	−	5	−15	−13	−17	+18	−	6	2	−1.80
70520	14 25 30.04	+20 35 29.7	7.27	H	216.375 155 44	+20.591 571 19	21.32	132.60	−581.11	0.60	0.65	0.83	0.70	0.71	−28	+12	−28	+18	−	7	+	1	−	9	+20	−16	−30	2	1.73
70521	14 25 31.03	−32 58 19.4	7.58	G	216.379 283 97	−32.972 061 23	1.91	−2.32	4.88	0.80	0.64	1.20	1.07	0.95	−	5	−17	−44	+20	+11	−	8	−	7	−50	+53	−27	0	0.81
70522	14 25 33.03	+65 59 16.1	7.26	H	216.387 640 03	+65.987 810 94	8.96	−36.26	7.15	0.48	0.60	0.62	0.53	0.72	+	1	−17	−33	−	3	+	2	−11	−	2	−	2	+10	−22	0	0.41
70523	14 25 33.45	+17 25 00.7	9.02	H	216.389 391 13	+17.416 851 52	6.29	−2.73	7.75	0.89	0.83	1.25	0.92	0.89	−29	−	5	−	3	+28	+	3	+	5	+	2	+15	−12	−40	2	1.59
70524	14 25 33.57	−75 52 51.5	7.64	H	216.389 866 02	−75.880 967 04	1.81	2.23	3.26	0.56	0.52	0.70	0.75	0.69	+13	−	6	+	7	−25	+	4	−15	+	0	−	1	+	4	+32	1	−0.04
70525	14 25 35.36	−30 51 49.5	8.16	G	216.397 350 16	−30.863 743 82	17.17	−43.97	−14.51	0.93	0.67	1.16	1.27	0.83	−13	+16	−34	−22	−	3	−15	+	5	−56	+40	+	4	0	−0.82
70526	14 25 38.12	−23 58 55.0	9.01	G	216.408 841 20	−23.981 939 71	3.35	9.15	3.47	1.03	0.72	1.29	1.19	0.93	−42	−31	+	4	+	9	+	6	+25	+	9	−41	+	1	−33	0	0.74
70527	14 25 38.55	+09 44 07.1	10.08	H	216.410 634 28	+09.735 297 60	4.85	30.55	−28.42	1.46	1.32	1.99	1.73	1.45	−10	−	6	−52	−35	−	7	+16	+	0	−48	+43	−12	0	−0.50
70528	14 25 39.80	−66 10 22.4	6.36	H	216.415 838 52	−66.172 882 97	7.79	−41.85	−15.98	0.34	0.46	0.65	0.38	0.50	+29	−17	−	6	−	6	+	7	−10	+	6	−	2	−	3	+39	1	−0.14
70529	14 25 42.97	+23 37 11.3	9.77	G	216.429 042 83	+23.619 794 09	59.54	794.49	−1115.53	1.27	1.10	1.73	1.58	1.26	−10	−25	−17	+19	−	6	−30	−	8	−	3	−17	−20	0	0.32
70530	14 25 43.90	−53 27 15.0	7.97	2 H	216.432 932 63	−53.454 163 27	1.35	−10.51	−5.54	0.64	0.61	0.91	0.75	0.94	−12	−31	−	7	+12	+	3	−	1	+	4	+10	+	0	−18	0	0.20
70531	14 25 44.39	−01 10 22.4	9.02	H	216.434 968 68	−01.172 897 30	5.40	−92.57	−52.38	1.21	0.92	1.42	1.59	1.05	−38	−22	−19	+17	−19	−	8	−18	+	9	+	5	−36	0	0.22
70532	14 25 44.81	−70 55 28.9	8.88	H	216.436 715 48	−70.924 702 67	5.63	−41.33	−21.56	0.72	0.78	1.05	0.89	0.94	+27	−12	−	2	+	2	+10	−16	+	7	+20	−	4	+41	0	−1.32
70533	14 25 45.34	−72 32 58.6	8.57	H	216.438 917 67	−72.549 612 66	0.82	1.67	1.66	0.68	0.80	1.01	0.72	0.92	+16	−28	+	3	+21	+11	−24	+11	+35	+	0	+22	0	0.16
70534	14 25 45.65	+85 16 22.7	8.62	H	216.440 218 83	+85.272 977 63	1.93	−34.25	18.47	0.56	0.63	0.71	0.66	0.88	+	7	+	3	−13	−18	+	4	−	8	+	4	−11	−	4	−	5	3	0.35
70535	14 25 46.01	−21 25 52.3	7.86	H	216.441 720 62	−21.431 208 15	4.04	−59.97	−13.62	0.92	0.60	1.13	1.17	0.78	−13	−	9	−27	+	7	+	4	−11	+	7	−54	+47	+	1	0	0.44
70536	14 25 46.15	+23 37 23.5	9.98	G	216.442 278 75	+23.623 194 61	63.35	795.23	−1119.15	1.33	1.16	1.81	1.65	1.32	−10	−18	−20	+18	−	8	−29	−12	+	6	−19	−20	0	0.76
70537	14 25 46.28	−47 13 46.9	9.10	H	216.442 843 88	−47.229 690 87	4.22	−8.83	−8.13	0.82	0.77	1.35	1.10	1.25	−23	−18	−15	+12	+22	−41	+18	−41	+27	−29	0	−0.10
70538 H	14 25 47.77	−26 51 07.6	6.48	G	216.449 051 21	−26.852 105 25	A 12.99	−4.70	−56.07	0.97	0.74	1.09	0.95	0.82	−28	−14	+	3	+	4	+	8	−15	+	3	−34	+	9	−29	3	0.61
70539	14 25 48.87	+18 24 31.7	9.79	H	216.453 642 77	+18.408 813 86	7.62	−3.13	−48.87	1.14	1.05	1.70	1.30	1.21	−34	−16	−22	+30	−	3	−20	−	9	+16	−	5	−56	0	2.77
70540	14 25 49.02	−31 29 57.6	8.62	H	216.454 253 01	−31.499 323 75	2.17	−20.10	−2.42	1.16	0.86	1.51	1.57	1.07	−15	+	1	−47	−22	+	5	−13	+	8	−66	+46	+	2	0	0.70
70541	14 25 51.13	+60 45 03.7	8.66	H	216.463 038 40	+60.751 033 10	1.68	−15.29	33.50	0.74	0.68	0.81	0.81	0.84	+15	−24	−	3	−14	−	8	+	1	−	9	−19	+	7	+23	3	−0.15
70542	14 25 51.15	−44 56 06.1	8.72	G	216.463 120 66	−44.935 024 08	3.32	−11.94	−10.34	1.02	0.64	1.19	1.06	0.94	+	3	−40	−17	−11	+	1	+	1	−	9	−14	+25	−	9	0	−0.76
70543	14 25 51.28	−56 55 22.2	7.89	H	216.463 681 19	−56.922 846 84	1.13	−2.90	0.14	0.73	0.60	0.92	0.73	0.61	+11	−36	−11	+37	−	5	−	9	−	7	+47	+	0	+26	3	−0.49
70544	14 25 52.00	−38 02 45.6	9.34	H	216.466 651 55	−38.046 002 20	3.79	−24.89	−8.61	1.14	0.85	1.46	1.27	1.16	−	7	−24	−21	−13	+	5	+	7	−	4	−41	+18	−25	0	2.04
70545	14 25 52.50	+22 49 41.4	8.84	1 H	216.468 770 00	+22.828 174 46	4.52	−10.91	−5.52	0.99	0.78	1.16	1.23	0.87	−23	−	1	−16	+13	+	1	+	7	+	1	+12	−13	−27	0	2.74
70546	14 25 53.31	−62 47 53.0	8.97	H	216.472 130 27	−62.798 053 73	−0.59	−12.62	−4.48	0.65	0.91	1.33	0.74	1.05	+22	−	5	+	1	+36	+13	−11	+24	−13	+	2	+44	0	−0.75
*70547	14 25 54.62	−78 27 27.8	8.12	2 H	216.477 592 63	−78.457 714 87	2.21	−4.87	1.40	0.60	0.62	0.77	0.62	0.70	+16	−21	+	4	+17	+13	−	5	+15	+11	−	5	+22	0	1.17
*70548	14 25 54.62	+26 15 55.3	7.44	H	216.477 582 59	+26.265 352 28	4.90	−58.29	−35.69	0.66	0.53	0.83	0.63	0.56	−17	−16	−15	−25	−24	+11	−	9	+24	−12	−48	0	−0.97
70549	14 25 54.83	+04 51 26.4	7.72	G	216.478 469 29	+04.857 321 70	6.43	−45.17	−5.86	0.85	0.66	1.02	0.87	0.78	−18	−23	−	1	−	8	−27	+11	−33	−11	+10	−32	0	0.02
70550	14 25 54.97	−22 07 27.3	9.97	H	216.479 023 68	−22.124 251 73	B 12.43	−51.64	7.87	31.29	16.87	14.56	16.71	11.52	−20	−18	−	2	−12	−14	−19	−15	−37	+28	−	5	3	1.58
70551	14 25 55.19	−58 49 54.7	9.40	H	216.479 955 68	−58.831 864 22	3.58	−9.00	−9.52	0.96	0.88	1.41	1.72	1.21	+22	−	9	−	3	−13	−	1	−29	−12	+14	−16	+64	0	0.03
*70552	14 25 55.93	−22 07 37.0	8.07	G	216.483 052 88	−22.126 936 57	A 12.29	−81.17	2.88	2.32	1.85	2.24	2.48	2.05	−18	−13	−	8	−24	−	7	−25	−	9	−50	+32	−11	3	1.58
*70553	14 25 55.90	+00 59 34.0	7.08	1 H	216.482 907 40	+00.992 783 58	7.07	−32.80	−29.20	0.85	0.73	1.05	1.04	0.85	−29	−	5	−40	+19	+	6	−	4	+	3	−20	+19	−37	0	1.89
70554	14 25 57.19	−16 17 57.2	8.07	H	216.488 291 48	−16.299 227 77	3.44	10.64	−1.21	0.96	0.60	1.03	1.23	0.72	−26	−15	+	9	+25	−12	−13	−	4	−28	+16	−	9	2	0.95
70555	14 25 57.50	−34 40 31.9	9.11	H	216.489 563 43	−34.675 514 07	2.02	−13.77	−9.72	1.25	0.86	1.82	1.28	1.14	+	8	−39	−49	+	9	+18	−13	−14	−64	+58	−21	0	0.25
70556	14 25 57.83	−03 42 47.0	8.14	H	216.490 962 32	−03.713 053 36	10.19	−24.16	4.48	0.96	0.66	0.96	1.15	0.84	−	6	−	3	−12	+43	+	2	+17	+	4	+	7	+13	−	5	0	0.57
70557	14 25 58.43	+13 26 00.9	8.06	G	216.493 470 36	+13.433 571 04	29.28	−297.71	−125.72	0.73	0.57	0.94	0.77	0.61	−24	−21	−	4	−	5	−	8	−	4	−	2	+17	−10	−39	0	0.15
70558	14 25 58.53	−44 49 23.2	9.06	H	216.493 865 89	−44.823 098 51	8.17	−21.22	−16.91	1.07	0.69	1.27	1.12	1.00	+	4	−36	−17	−17	−	2	−	2	−13	−17	+29	−	4	0	1.56
70559	14 25 59.72	−42 16 28.4	9.22	H	216.498 836 44	−42.274 563 92	1.63	−2.64	0.58	1.12	0.82	1.45	1.37	1.19	−	6	−23	−	4	−	1	+	3	−	4	+	2	−30	+20	+	6	2	0.55
70560	14 26 00.15	+34 22 16.6	10.26	H	216.500 641 88	+34.371 283 85	16.96	−286.82	−161.23	1.02	1.04	1.58	1.34	1.28	+	6	−	6	−	4	+	1	+	2	−12	+	5	+14	−14	−12	0	1.14
70561	14 26 00.18	−30 17 09.9	8.24	H	216.500 767 08	−30.286 082 30	10.74	−67.55	0.18	1.12	0.84	1.33	1.55	1.16	+	4	−	0	−33	−25	+	6	−14	−	5	−72	+44	−13	0	−0.72
70562	14 26 00.56	+07 13 52.6	8.03	H	216.502 340 78	+07.231 273 82	13.68	−67.09	−48.76	0.82	0.70	1.02	0.86	0.85	−25	−27	−19	+	6	−25	+10	−25	+16	+	8	−48	0	1.32
70563	14 26 01.11	+14 05 02.1	8.61	G	216.504 628 66	+14.083 928 22	3.65	5.03	−9.44	0.74	0.76	1.09	0.89	0.83	−47	−	6	−21	+42	−16	−12	−20	+51	−24	−58	0	−1.81
70564 H	14 26 02.35	+42 13 05.1	8.88	H	216.509 785 55	+42.218 074 90	* 11.11	42.93	6.39	1.68	1.98	1.24	1.01	1.13	+	7	−	4	−16	−12	−	3	−	4	−	5	−16	+12	+	8	1	−0.91
70565	14 26 02.63	−64 55 47.8	8.05	H	216.510 968 21	−64.929 934 80	2.10	−8.92	−7.32	0.50	0.70	1.01	0.63	0.91	+47	−15	−14	+	5	+15	−	5	+13	+11	−	2	+61	0	0.66
70566	14 26 03.11	−00 41 30.1	8.29	2 G	216.512 942 69	−00.691 687 03	8.82	−26.08	−21.80	1.04	0.81	1.31	1.32	0.91	−24	−17	−37	+	5	−	7	−15	−14	−	3	+11	−33	2	1.02
70567	14 26 03.95	+66 22 12.1	8.49	H	216.516 448 14	+66.370 029 82	4.28	−11.91	−2.32	0.62	0.82	0.81	0.82	1.03	−	5	−	3	−33	−	4	−10	−	3	−	8	+	7	+11	−32	0	−1.11
70568	14 26 05.27	+35 50 00.8	9.77	H	216.521 958 22	+35.833 546 90	6.67	−31.23	1.51	0.80	0.98	1.42	0.93	1.09	+28	+	7	+	8	+18	+	1	−13	+	2	+24	−17	+24	2	1.05
70569	14 26 05.91	+11 36 04.4	9.72	H	216.524 615 83	+11.601 226 46	9.05	47.46	−111.62	1.19	0.96	1.44	1.39	1.00	+	5	−34	−16	−30	−26	+27	−19	−27	+	1	+13	0	0.67
70570	14 26 06.49	+09 12 31.4	9.29	H	216.527 054 85	+09.208 724 45	4.40	−8.37	−7.73	1.26	1.09	1.67	1.41	1.17	−12	−	1	−51	−29	+	4	−13	−	4	−40	+36	−29	0	0.43
70571	14 26 06.88	−04 27 17.7	8.42	H	216.528 657 22	−04.454 926 26	1.67	15.22	−22.73	1.09	0.74	1.16	1.21	0.93	−	2	−31	−15	+21	−	7	+	4	−10	+	3	+12	−10	0	−0.53
70572	14 26 07.41	−67 29 15.4	9.73	H	216.530 855 15	−67.487 616 58	B 1.25	−17.34	−14.25	5.54	5.89	3.92	4.44	4.86	+21	−18	+	9	+12	+	9	−	9	+11	+14	−	2	+36	10	0.91
70573 H	14 26 08.03	−65 36 24.1	8.17	H	216.533 453 60	−65.606 683 98	* 11.01	−125.73	13.15	0.53	0.74	1.05	0.69	0.86	+41	−	6	+	4	+	7	+17	+	9	+13	+16	+	9	+58	0	0.48
70574	14 26 08.24	−45 13 17.0	4.56	1 G	216.534 312 72	−45.221 389 96	3.15	−13.51	−14.02	0.60	0.42	0.69	0.66	0.60	−	1	−31	−13	+	3	−	4	−11	−11	+	5	+17	−12	0	−1.21
70575	14 26 08.69	−67 29 25.4	8.98	H	216.536 209 55	−67.490 375 68	A 3.29	−16.12	−10.30	2.10	2.41	2.45	2.40	2.72	+26	−14	+	8	+	2	+	5	−11	+	6	+10	−	1	+38	10	0.91
70576 H	14 26 10.80	−45 22 45.3	4.33	H	216.545 006 48	−45.379 260 95	* 10.38	13.55	−6.35	0.61	0.44	0.72	0.66	0.62	+	1	−34	−15	+15	−	2	−	7	−	9	+	7	+18	−13	0	−2.10
70577 H	14 26 11.46	+21 54 03.2	8.69	H	216.547 755 46	+21.900 882 09	* 0.49	−8.13	5.72	2.21	1.67	1.73	1.58	1.27	−	8	−24	−43	+21	−	8	−15	−13	+19	+	7	−39	2	0.34
70578	14 26 11.60	+35 04 01.8	11.25	H	216.548 318 79	+35.067 154 19	5.20	27.33	−34.60	1.36	1.50	2.16	1.57	1.85	+	2	−	9	−	6	−22	+14	−	2	+17	+	6	−	6	−	4	0	−0.15
70579	14 26 12.09	+19 12 33.3	8.26	H	216.550 379 54	+19.209 247 14	5.61	−62.17	9.26	0.79	0.70	1.03	0.87	0.77	−34	+	1	−24	+34	−	9	−	4	−12	+18	−18	−44	0	1.41
70580	14 26 13.53	−42 19 06.5	6.33	G	216.556 384 92	−42.318 471 81	10.38	−111.88	−51.47	0.68	0.48	0.87	0.82	0.70	−	3	−29	−	5	−	4	−	3	−15	−	5	−23	+10	+	5	0	−0.55
70581	14 26 14.12	−43 24 28.2	9.40	H	216.558 853 29	−43.407 836 72	5.55	7.99	−3.45	1.16	0.82	1.43	1.24	1.07	−	3	−34	+	2	−18	−	7	−13	−12	−21	+16	+10	0	−2.89
70582 H	14 26 15.71	+01 52 08.0	10.07	G	216.565 463 71	+01.868 890 90	A 4.40	−123.76	20.80	5.11	3.25	4.91	4.94	3.58	−33	−23	−	9	+	7	−29	+16	−27	+	8	+	6	−41	0	1.82
70583 H	14 26 18.04	−53 41 52.7	9.34	H	216.575 166 18	−53.697 972 07	* −0.46	−19.95	−12.99	4.39	4.23	1.60	1.30	1.61	+27	−13	+	5	+	0	+	4	−	7	+	1	−	1	+	9	−	5	1	0.34
70584 H	14 26 18.38	−24 12 44.1	8.44	H	216.576 564 09	−24.212 239 46	A 3.25	−24.08	1.49	1.87	1.48	2.09	2.18	1.70	−43	−	1	−	5	+	0	+	6	+	9	+12	−52	+11	−34	1	0.56
70585	14 26 19.28	+45 25 34.7	9.81	H	216.580 350 62	+45.426 305 05	5.38	4.44	−49.19	0.91	1.03	1.20	1.05	1.10	+36	−18	−28	−20	−29	+20	−28	−31	+12	+17	0	−0.67
70586	14 26 19.86	−40 47 51.3	8.31	H	216.582 762 79	−40.797 594 96	2.19	−21.58	−7.78	0.87	0.69	1.11	0.97	0.96	−11	−26	−17	−22	+	9	+	1	+	2	−45	+12	−28	0	0.55
70587	14 26 19.91	−51 44 17.9	11.54	H	216.582 971 91	−51.738 302 38	B 2.74	5.30	8.29	17.57	15.19	14.63	15.96	15.75	−21	−23	+	6	+12	+16	−11	+18	−19	+19	−	5	9	1.96
70588	14 26 21.00	−07 19 39.0	8.60	H	216.587 501 91	−07.327 512 20	11.62	−10.82	−21.65	1.09	0.75	1.22	1.11	0.94	−26	−41	+	2	+34	−10	−	5	−21	+	5	+35	−24	0	−0.50
70589	14 26 21.06	−51 44 29.0	10.78	H	216.587 743 91	−51.741 377 99	A 6.16	−17.19	−22.37	4.54	4.22	5.00	5.22	5.16	−29	−20	+	1	+	5	+16	−12	+18	−21	+16	−10	9	1.96
70590	14 26 21.27	−44 09 11.2	9.45	3 H	216.588 644 78	−44.153 104 34	1.33	−18.14	0.49	1.17	0.80	1.45	1.06	1.10	−	6	−41	−	8	−11	+	1	−	9	−10	−13	+23	−20	4	1.06
70591	14 26 21.42	+19 22 42.3	8.92	H	216.589 260 50	+19.378 422 98	4.46	−30.39	11.88	0.86	0.75	1.14	0.93	0.81	−23	+	1	−25	+37	+	5	−	4	+	1	+11	−13	−33	0	0.16
70592	14 26 22.28	−55 15 33.1	8.01	H	216.592 842 24	−55.259 197 99	0.58	−0.05	−7.83	0.70	0.73	1.01	0.89	0.93	−	5	−13	−	1	+19	+15	+	5	+14	−	5	+21	+	6	0	1.03
70593	14 26 22.41	−38 36 54.1	8.32	H	216.593 384 24	−38.615 031 55	0.99	6.65	2.50	0.88	0.70	1.17	0.86	0.93	−17	−38	−15	+	0	+13	−	9	−	5	−40	+21	−43	0	−0.07
70594	14 26 22.63	−73 22 04.4	9.25	H	216.594 271 89	−73.367 884 84	3.72	−15.02	−8.86	0.79	0.79	1.06	1.00	0.92	+	2	−	7	+13	−11	−	4	−15	−	4	+	6	+	7	+15	0	−0.20
70595	14 26 22.64	+00 09 04.4	10.45	G	216.594 313 22	+00.151 224 00	4.57	−72.44	20.99	1.84	1.51	2.32	2.29	1.73	−36	+	0	−41	+10	+	3	−	2	+	1	−22	+13	−44	0	0.96
70596	14 26 22.74	+07 38 53.1	9.08	H	216.594 755 43	+07.648 096 19	3.81	−0.26	−6.20	1.03	0.90	1.52	1.13	1.17	−10	−39	−42	−	3	+	9	−	9	−

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″		ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65		66	67	68-70
70501	8.072	0.013	6.621	0.005		1.223	0.011	T	1.18	0.01	L	6.6583	0.0013	0.006	75		6.65	6.67		C	14253−1321	I 1	1							S
70502	10.694	0.026	9.921	0.021		0.688	0.025	T	0.75	0.02	L	9.9874	0.0031	0.036	218		9.92	10.06					1 S							
70503	7.803	0.007	7.793	0.009		0.010	0.010	T	0.03	0.01	L	7.7979	0.0012	0.013	152		7.78	7.82		C			1							S
70504	8.782	0.013	8.450	0.014		0.347	0.015	G	0.41	0.02	H	8.5005	0.0028	0.026	85		8.46	8.55		U 2			1							S
70505	10.803	0.043	10.241	0.042		0.526	0.054	T	0.60	0.06	L	10.2751	0.0041	0.040	136		10.21	10.34					1 X S							G
70506	9.066	0.014	9.006	0.017		0.246	0.015	G	0.28	0.02	H	9.0312	0.0020	0.018	106		9.00	9.07					1							
70507	9.459	0.018	9.015	0.018		0.419	0.023	T	0.49	0.02	L	9.0787	0.0028	0.018	92		9.05	9.11					1							S
70508	8.030	0.009	6.950	0.006		0.934	0.008	T	0.93	0.01	L	6.9998	0.0010	0.008	105		6.98	7.01					1							S
70509	10.265	0.038	9.648	0.033		0.574	0.044	T	0.65	0.04	L	9.7274	0.0027	0.022	87		9.69	9.78		C			1							
70510	8.909	0.012	8.508	0.013		0.379	0.016	T	0.44	0.02	L	8.5641	0.0016	0.013	93		8.54	8.58		C			1							
70511	10.539	0.038	9.334	0.022		1.031	0.034	T	1.08	0.04	L	9.3975	0.0026	0.019	116		9.36	9.43		C			1							
70512	10.774	0.045	9.684	0.029		0.926	0.004	G	0.97	0.00	I	9.7093	0.0029	0.019	89		9.68	9.75		C			1							
70513	7.240	0.017	7.096	0.020	B	0.137	0.001	G	0.15	0.00	R *	7.0276	0.0011	0.012	94	*	7.01	7.05		D	14255−1958	I 2	2 C A	BC	89	1.314	0.008		1.06	0.02	S
70514	8.228	0.008	6.954	0.005		1.085	0.007	T	1.05	0.01	L	6.9980	0.0010	0.009	121		6.98	7.02					1							S
70515	9.939	0.023	9.267	0.020		0.611	0.023	T	0.68	0.02	L	9.3404	0.0023	0.020	117		9.31	9.37		C			1							
70516	10.535	0.035	8.890	0.016		1.376	0.030	T	1.35	0.04	L	8.8936	0.0021	0.015	92		8.88	8.92		C			1							
70517	7.869	0.006	6.416	0.004		1.225	0.006	T	1.18	0.01	L	6.4404	0.0005	0.007	150		6.43	6.45		C			1							S
70518	6.758	0.005	6.613	0.006		0.136	0.005	G	0.15	0.01	H	6.6632	0.0010	0.009	101		6.65	6.68		D	14255−1958	I 2	1							S
70519	8.660	0.012	7.761	0.009		0.791	0.003	G	0.82	0.00	H	7.8065	0.0012	0.010	99		7.79	7.82		C	14255−4339	I 1	1							S
70520	7.969	0.009	7.339	0.008		0.581	0.009	T	0.65	0.01	L	7.3936	0.0015	0.010	95		7.37	7.42					1							S
70521	9.067	0.014	7.699	0.008		1.140	0.015	G	1.10	0.02	H	7.7614	0.0015	0.014	103		7.74	7.78		C			1							S
70522	7.799	0.007	7.311	0.006		0.488	0.015	G	0.56	0.02	H	7.3640	0.0008	0.009	113		7.35	7.38		C			1							S
70523	9.347	0.017	9.038	0.018		0.294	0.023	T	0.34	0.03	L	9.1005	0.0024	0.022	95		9.07	9.14					1							S
70524	9.694	0.016	7.821	0.007		1.556	0.014	T	1.57	0.01	L	7.7635	0.0015	0.012	156		7.74	7.78		C			1							
70525	8.850	0.012	8.246	0.011		0.566	0.015	G	0.64	0.01	H	8.2846	0.0013	0.015	120		8.26	8.31		C			1							S
70526	9.471	0.017	9.045	0.017		0.398	0.020	G	0.46	0.02	H	9.1176	0.0015	0.014	104		9.10	9.14					1							
70527	10.779	0.047	10.113	0.041		0.617	0.052	T	0.69	0.05	L	10.2068	0.0034	0.024	69		10.16	10.27		C			1							
70528	6.523	0.002	6.382	0.003		0.128	0.003	T	0.14	0.00	L	6.4130	0.0006	0.009	221		6.40	6.43					1							S
70529	11.592	0.088	9.851	0.031		1.419	0.007	G	1.72	0.02	I	9.8079	0.0033	0.019	77		9.77	9.85			14258+2337	I 2	1							
70530	8.013	0.009	7.978	0.011		0.037	0.013	T	0.05	0.01	L	7.9885	0.0052	0.037	119		7.94	8.04	4.83	P 1 A			1							S
70531	9.533	0.023	9.041	0.023		0.463	0.030	T	0.53	0.03	L	9.1274	0.0023	0.019	63		9.10	9.15		C			1							
70532	9.319	0.014	8.911	0.015		0.399	0.017	T	0.46	0.02	L	8.9661	0.0022	0.022	140		8.93	9.02					1							
70533	10.588	0.034	8.745	0.014		1.533	0.029	T	1.58	0.06	L	8.6897	0.0018	0.020	148		8.66	8.73					1							
70534	10.194	0.026	8.768	0.014		1.204	0.023	T	1.16	0.02	L	8.7860	0.0015	0.016	128		8.76	8.82		C			1 S							
70535	9.665	0.020	8.025	0.010		1.372	0.018	T	1.34	0.02	L	8.0136	0.0010	0.011	85		7.99	8.03		C			1							
70536	11.963	0.131	10.169	0.042		1.452	0.008	G	1.82	0.04	I	10.0530	0.0024	0.029	79		10.00	10.09			14258+2337	I 2	1							
70537	9.785	0.022	9.154	0.020		0.582	0.022	T	0.65	0.02	L	9.2260	0.0015	0.019	118		9.19	9.25			14258−4714	I 1	1							
70538	7.680	0.006	6.597	0.004	*	0.941	0.002	G	0.93	0.00	H *	6.6403	0.0010	0.009	116	*	6.62	6.66		D	14258−2651	H 1	2 C A	AB	251	0.768	0.025		3.70	0.10	S
70539	10.517	0.036	9.846	0.031		0.621	0.040	T	0.69	0.04	L	9.9228	0.0028	0.028	100		9.88	9.98					1							
70540	10.415	0.032	8.764	0.014		1.381	0.028	T	1.35	0.03	L	8.7721	0.0020	0.019	117		8.74	8.81					1							
70541	10.555	0.032	8.826	0.014		1.442	0.028	T	1.44	0.04	L	8.7983	0.0016	0.015	115		8.77	8.82		C			1							
70542	8.756	0.019	8.724	0.023		0.039	0.019	G	0.05	0.01	H	8.7342	0.0019	0.013	96		8.71	8.76		C			1							
70543	10.023	0.020	8.063	0.008		1.626	0.017	T	1.65	0.02	L	7.9989	0.0015	0.015	136		7.97	8.03					1							
70544	9.921	0.022	9.377	0.021		0.510	0.027	T	0.58	0.03	L	9.4537	0.0019	0.018	87		9.41	9.49					1							
70545	10.096	0.030	8.992	0.019		0.952	0.028	T	0.94	0.02	L	8.9944	0.0035	0.023	84		8.95	9.03		U			1							
70546	9.953	0.017	9.067	0.013		0.789	0.016	T	0.82	0.01	L	9.1182	0.0018	0.025	183		9.08	9.17					1							
70547	10.159	0.023	8.403	0.010		1.493	0.021	T	3.04	0.04	O	8.0094	0.0090	0.084	131		7.84	8.23		U 2			1							
70548	9.150	0.013	7.579	0.007		1.310	0.015	G	1.27	0.02	H	7.5943	0.0012	0.011	131		7.57	7.61					1							S
70549	8.044	0.011	7.759	0.009		0.290	0.015	G	0.33	0.02	H	7.7915	0.0011	0.012	86		7.77	7.81		C			1							S
70550	10.383	0.038	9.734	0.035	B	0.602	0.045	T	0.67	0.04	L	10.4667	0.0692			B				D	14259−2208	I 2	1 C I A							
70551	9.606	0.020	9.444	0.024		0.215	0.015	G	0.24	0.02	H	9.4654	0.0028	0.027	119		9.42	9.52					1							G
70552	8.484	0.009	8.088	0.010	A	0.393	0.015	G	0.46	0.02	H	8.1371	0.0103	0.043	111	A	8.05	8.20		D	14259−2208	I 2	1 C P A							S
70553	7.114	0.006	7.093	0.008		0.020	0.009	T	0.04	0.01	L	7.0939	0.0028	0.027	71		7.07	7.15	3.16	P 1 A			1							S
70554	9.832	0.024	8.239	0.012		1.335	0.021	T	1.30	0.02	L	8.2263	0.0016	0.015	100		8.19	8.25		C			1							
70555	10.429	0.036	9.244	0.022		1.015	0.033	T	0.99	0.03	L	9.2812	0.0025	0.019	87		9.25	9.32					1							
70556	8.543	0.013	8.171	0.014		0.352	0.018	T	0.41	0.02	L	8.2230	0.0014	0.012	67		8.19	8.25		C			1							S
70557	8.985	0.016	8.124	0.013		0.750	0.004	G	0.79	0.00	H	8.1943	0.0016	0.013	87		8.17	8.21		C			1							S
70558	9.517	0.024	9.114	0.025		0.394	0.029	T	0.46	0.03	L	9.1468	0.0020	0.019	95		9.11	9.17		C			1							
70559	10.742	0.045	9.408	0.024		1.132	0.040	T	1.10	0.04	L	9.3925	0.0031	0.019	79		9.36	9.43		C			1 S							
70560	11.371	0.052	10.433	0.038		0.814	0.050	T	0.85	0.05	L	10.3959	0.0033	0.037	155		10.34	10.46			14260+3423	I 1	1							
70561	9.331	0.014	8.351	0.011		0.859	0.013	T	0.87	0.01	L	8.4018	0.0014	0.013	102		8.38	8.43		C			1 G							
70562	8.579	0.014	8.064	0.013		0.500	0.015	G	0.57	0.02	H	8.1369	0.0016	0.013	86		8.11	8.16		C	14260+0714	I 1	1							S
70563	10.130	0.022	8.706	0.011		1.210	0.015	G	1.17	0.01	H	8.7583	0.0013	0.013	158		8.74	8.80					1							
70564	9.695	0.019	8.978	0.016	*	0.659	0.020	T	0.72	0.02	L *	9.0170	0.0018	0.018	151	*	8.98	9.05		D	14260+4213	M 1	2 C A	AB	10	0.203	0.006		0.37	0.17	S
70565	9.258	0.010	8.166	0.007		0.944	0.009	T	0.93	0.01	L	8.2152	0.0014	0.020	249		8.18	8.25					1							
70566	8.804	0.016	8.350	0.015		0.456	0.015	G	0.53	0.02	H	8.3905	0.0025	0.019	66		8.37	8.43		U 2			1							S
70567	9.728	0.020	8.593	0.013		0.976	0.019	T	0.96	0.01	L	8.6557	0.0018	0.015	108		8.63	8.68		C			1							
70568	10.990	0.031	9.838	0.019		0.990	0.028	T	0.97	0.02	L	9.9358	0.0027	0.035	217		9.88	10.00		C			1							
70569	10.611	0.045	9.771	0.033		0.755	0.042	T	0.80	0.03	L	9.8675	0.0026	0.019	74		9.83	9.90		C			1							
70570	9.687	0.022	9.346	0.024		0.323	0.030	T	0.37	0.04	L	9.3621	0.0021	0.019	72		9.32	9.39		C			1							
70571	9.826	0.026	8.526	0.016		1.105	0.024	T	1.07	0.03	L	8.5860	0.0019	0.013	68		8.56	8.61		C			1							
70572	9.768	0.017	9.631	0.022	B	0.132	0.026	T	0.15	0.03	L	9.8009	0.0142			B				D	14261−6729	I 2	1 C I A							
70573	8.801	0.008	8.222	0.008	*	0.543	0.008	T	0.62	0.01	L *	8.2891	0.0013	0.018	234	*	8.26	8.32			14261−6536	H 1	2 C S A	AB	265	0.155	0.005		0.65	0.26	
70574	4.359	0.003	4.531	0.003		−0.147	0.003	G	−0.14	0.02	A	4.5093	0.0017	0.013	103		4.49	4.53	0.18	P 1 A	14261−4514	I 1	1							S P
70575	9.073	0.011	8.951	0.013	A	0.118	0.016	T	0.13	0.02	L	9.0207	0.0081	0.053	167	A	8.98	9.17		D	14261−6729	I 2	1 C P A							
70576	4.857	0.003	4.398	0.002	*	0.434	0.018	G	0.58	0.02	A *	4.4387	0.0005	0.005	107	*	4.43	4.45		D	14262−4523	I 1	2 C S A	AB	187	0.128	0.003		0.62	0.17	S
70577	10.822	0.047	8.899	0.016	*	1.068	0.197	G	1.03	0.16	R *	8.8601	0.0030	0.021	95	*	8.83	8.90			14262+2154	H 1	2 C B	AB	185	0.201	0.052		2.56	0.93	
70578	11.869	0.092	11.304	0.087		0.533	0.094	T	0.61	0.10	L	11.3640	0.0045	0.055	185		11.27	11.45					1							G
70579	9.610	0.021	8.384	0.014		1.047	0.020	T	1.02	0.02	L	8.4132	0.0039	0.029	104		8.38	8.47		R			1							S
70580	7.905	0.010	6.468	0.004		1.215	0.007	G	1.15	0.06	F	6.5023	0.0007	0.007	81		6.49	6.51		C			1							S
70581	11.124	0.057	9.526	0.024		1.339	0.049	T	1.30	0.06	L	9.5550	0.0022	0.017	93		9.52	9.59					1							
70582	10.965	0.063	10.145	0.047	*	0.610	0.020	G	0.68	0.02	H *	10.1902	0.0045	0.027	67	*	10.15	10.23		D	14263+0152	H 1	2 C A	AB	225	0.650	0.005		0.63	0.03	
70583	10.728	0.037	9.472	0.021	*	1.065	0.034	T	1.03	0.03	L *	9.4835	0.0025	0.027	126	*	9.44	9.53			14263−5342	H 1	2 C A	AB	123	0.209	0.030		0.61	0.51	
70584	8.850	0.021	8.295	0.016	*	0.525	0.019	T	0.60	0.02	L *	8.5555	0.0014	0.015	105	*	8.54	8.58		R	14263−2413	I 1	2 C A	AB	133	2.472	0.005		0.92	0.01	S
70585	10.471	0.031	9.874	0.028		0.557	0.037	T	0.63	0.03	L	9.9338	0.0027	0.025	122		9.89	9.97					1							
70586	10.574	0.041	8.515	0.014		1.743	0.036	T	2.24	0.08	O	8.3666	0.0027	0.019	83		8.34	8.39					1							
70587											T	11.8182	0.0348			B				D	14263−5144	I 2	1 C I A							
70588	9.252	0.018	8.654	0.016		0.558	0.021	T	0.63	0.02	L	8.7170	0.0021	0.012	68		8.69	8.74		C			1							S
70589	11.270	0.065	10.975	0.085	A	0.280	0.100	T	0.32	0.12	L	10.8479	0.0179	0.116	141	A	10.72	11.05		D	14263−5144	I 2	1 C P A							G
70590	11.830	0.124	10.034	0.038		1.526	0.107	T	2.04	0.57	K	9.5276	0.0234	0.361	96		9.01	9.94	199.70	P 1 A			1 S							G
70591	9.310	0.020	8.949	0.021		0.342	0.027	T	0.40	0.04	L	9.0035	0.0016	0.022	104		8.97	9.04					1							S
70592	10.469	0.036	8.278	0.011		1.810	0.030	T	1.84	0.03	L	8.1026	0.0024	0.017	110		8.07	8.13					1							
70593	10.055	0.024	8.443	0.012		1.350	0.021	T	1.32	0.02	L	8.4679	0.0016	0.015	95		8.44	8.49		C			1							
70594	9.527	0.016	9.268	0.018		0.243	0.025	T	0.27	0.03	L	9.3176	0.0021	0.025	137		9.28	9.37					1							
70595	11.302	0.085	10.387	0.059		0.680	0.020	G	0.74	0.02	H	10.5892	0.0059	0.037	63		10.52	10.66					1							
70596	10.488	0.037	9.189	0.021		1.104	0.033	T	1.07	0.03	L	9.2452	0.0023	0.017	85		9.22	9.28		C			1							
70597	9.009	0.024	8.428	0.017	*	0.545	0.021	T	0.62	0.02	L *	8.7560	0.0017	0.022	178	*	8.72	8.80		D	14264−4946	I 1	2 C A	AB	154	2.217	0.012		2.17	0.04	
70598	10.613	0.042	9.328	0.023		1.093	0.037	T	1.05	0.04	L	9.3540	0.0028	0.020	86		9.31	9.39		C			1							
70599	10.290	0.030	9.737	0.029		0.518	0.037	T	0.59	0.04	L	9.7869	0.0026	0.022	110		9.74	9.84					1							
70600	10.144	0.029	9.814	0.031		0.430	0.020	G	0.50	0.02	H	9.8833	0.0031	0.029	107		9.84	9.94		C			1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	F1	F2
	h m s	±° ′ ″	mag		deg	deg	mas	mas/yr		mas		mas	mas/yr		α*	α*	δ	α*	δ	π	α*	δ	π	$\mu_{\alpha*}$	%	
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
70601	14 26 27.30	+13 37 19.5	9.21	H	216.613 752 87	+13.622 077 66	5.16	11.03	−5.52	0.89	0.81	1.27	1.01	0.91	−30	−10	−13	+13	− 5	−10	− 3	+28	−11	−47	0	−0.33
*70602	14 26 27.41	+19 13 36.6	5.40	G	216.614 201 12	+19.226 834 90	11.38	−71.00	26.70	0.51	0.49	0.69	0.55	0.53	−28	+ 1	−19	+26	− 6	+ 0	− 7	+20	−17	−36	0	0.62
*70603	14 26 27.40	−33 15 00.7	7.14	H	216.614 160 86	−33.250 206 32	2.61	−24.61	−1.51	0.77	0.62	0.99	1.02	0.93	−18	−18	−25	+11	+21	−12	+ 9	−51	+30	−34	0	0.02
70604 H	14 26 31.26	−39 01 03.5	9.23	H	216.630 268 44	−39.017 628 41 A	5.18	−45.62	−12.53	6.55	4.78	2.47	2.16	1.90	+19	−16	+ 0	+ 8	+ 9	− 7	+ 6	−35	+ 9	−21	0	0.30
70605	14 26 31.28	+26 12 08.6	8.20	H	216.630 325 25	+26.202 393 76	1.38	2.52	−41.21	0.78	0.60	0.95	0.71	0.63	−16	− 8	+ 3	−28	−25	+ 3	−10	+24	− 6	−50	0	−2.77
70606	14 26 32.59	+52 37 30.9	8.13	H	216.635 790 82	+52.625 261 56	0.59	−19.86	−18.07	0.61	0.63	0.76	0.65	0.72	+20	−23	−15	−10	− 6	− 6	− 5	− 7	− 6	+ 5	0	1.10
70607 H	14 26 32.70	−36 29 52.7	9.52	H	216.636 235 16	−36.497 970 17 A	10.61	114.16	−85.76	2.46	1.66	2.49	2.38	1.99	− 8	−18	− 8	−29	− 6	− 3	− 4	−47	+18	+ 3	0	−0.35
70608	14 26 34.82	−18 49 12.2	8.86	G	216.645 075 58	−18.820 059 61	22.29	−187.86	1.17	1.34	0.80	1.46	1.49	1.07	− 5	−18	−25	+26	+ 5	+15	− 5	−57	+38	−12	0	0.43
70609	14 26 34.91	+27 38 42.8	8.06	H	216.645 464 80	+27.645 213 30	13.10	−11.26	−6.12	0.75	0.60	0.91	0.82	0.67	−11	+ 3	− 9	− 5	− 2	−13	+ 2	+21	−11	−27	0	2.23
70610	14 26 35.82	−81 27 10.0	9.68	G	216.649 257 95	−81.452 767 25	27.57	−42.12	−224.00	0.87	0.88	1.09	0.93	1.03	+22	−19	− 5	− 8	− 5	+ 2	− 9	+ 6	+13	+29	3	0.93
70611	14 26 37.66	−01 05 10.2	8.52	H	216.656 896 44	−01.086 159 48	0.74	−25.54	−20.80	1.16	0.91	1.38	1.61	1.04	−27	− 4	−30	+ 8	−13	−17	−17	+ 5	+ 4	−19	0	−0.34
70612	14 26 37.69	−39 31 23.4	6.87	H	216.657 060 35	−39.523 161 98	1.85	−10.99	−6.63	0.62	0.56	0.85	0.66	0.71	−23	−23	−19	+ 6	+16	+ 6	+ 9	−42	+17	−39	0	1.19
70613	14 26 38.17	+21 35 22.5	8.09	H	216.659 029 06	+21.589 581 81	4.07	−32.93	17.83	0.71	0.70	0.98	0.79	0.75	−19	− 9	−28	+ 7	+ 0	−15	− 5	+ 7	− 5	−34	0	−0.71
70614	14 26 38.57	−26 51 26.1	8.19	H	216.660 725 40	−26.857 248 29	2.42	1.83	−0.42	0.92	0.61	1.06	1.02	0.78	−14	−22	− 7	−16	−12	+ 2	−10	−20	−13	− 8	0	0.04
70615	14 26 39.57	−43 46 04.8	9.69	H	216.664 856 71	−43.768 010 88	7.74	−22.62	−28.60	1.38	0.97	1.67	1.29	1.19	−12	−39	+11	+ 4	+ 2	−26	+ 4	−23	+ 6	− 2	4	−2.06
70616	14 26 42.22	+05 56 06.7	7.20	H	216.675 910 15	+05.935 197 29	17.53	−5.01	−95.41	0.73	0.56	0.86	0.76	0.67	−17	−16	−18	+ 1	−27	+27	−27	+ 4	+ 2	−40	0	0.79
70617	14 26 42.24	+45 27 22.8	10.06	H	216.675 995 94	+45.456 325 04	1.25	−24.23	7.72	0.96	1.12	1.27	1.14	1.19	+37	−17	−22	−20	−28	+19	−28	−33	+10	+18	0	0.93
70618	14 26 43.20	+78 29 55.4	7.22	H	216.679 998 55	+78.498 718 40	16.27	−11.55	86.67	0.49	0.48	0.54	0.54	0.53	− 6	− 2	−12	− 8	− 6	+ 4	− 3	+14	−12	−17	1	2.36
70619 H	14 26 43.88	+16 24 51.3	8.17	H	216.682 817 38	+16.414 244 38 *	9.77	−8.21	−4.95	1.82	1.66	1.18	1.13	1.12	−28	−16	− 5	+22	+ 9	+ 2	+ 6	+ 2	−12	−47	0	−0.77
70620	14 26 45.22	−66 30 03.4	9.38	H	216.688 427 67	−66.500 945 87	0.61	−2.34	−5.12	0.75	1.03	1.52	0.88	1.08	+32	−14	− 4	+ 3	+15	−28	+15	+13	−18	+41	0	−0.83
70621	14 26 47.39	+08 22 54.2	7.42	2 H	216.697 468 92	+08.381 725 29	5.06	2.86	4.22	0.74	0.74	1.11	0.81	0.83	−17	−27	−48	−10	+10	− 1	− 2	−41	+34	−45	0	−0.12
70622	14 26 47.89	+50 44 20.8	9.83	H	216.699 539 11	+50.739 122 55	8.36	7.78	12.57	0.81	0.96	1.08	0.99	1.00	+17	− 9	−27	+ 4	−17	+ 5	−23	−26	+ 7	−13	0	−0.64
70623	14 26 48.37	−05 10 38.7	8.81	G	216.701 540 33	−05.177 420 25	14.63	−152.40	−148.17	1.09	0.77	1.15	1.09	0.93	−15	−34	− 8	+28	− 9	− 3	−13	+ 6	+ 6	−25	0	0.05
70624	14 26 48.82	−67 24 46.8	8.19	H	216.703 399 54	−67.412 987 91	2.48	−3.27	−2.77	0.63	0.72	1.11	0.77	0.83	+36	− 8	+ 5	+10	+24	−11	+22	+14	+ 6	+53	0	−0.59
70625	14 26 49.54	+48 00 34.5	8.33	H	216.706 418 41	+48.009 579 54	2.59	−18.01	15.88	0.59	0.67	0.82	0.71	0.69	+16	−20	−14	−14	−20	+14	−19	−29	− 2	−11	1	1.74
70626	14 26 49.89	−39 52 26.2	6.36	H	216.707 870 98	−39.873 933 29	7.12	−19.65	−22.79	0.58	0.51	0.79	0.69	0.68	−22	−18	−21	+ 5	+15	+12	+10	−45	+18	−34	0	1.92
70627	14 26 50.08	−39 38 49.5	9.48	H	216.708 676 60	−39.647 094 51	12.00	38.47	−9.94	1.09	0.93	1.43	1.24	1.16	−25	−18	−19	+ 1	+14	+11	+12	−42	+14	−33	0	1.57
70628	14 26 50.27	−33 14 49.1	9.55	H	216.709 461 06	−33.246 964 91	6.66	−105.61	15.52	1.29	1.00	1.61	1.73	1.45	−16	−17	−20	+11	+29	−14	+12	−65	+25	−38	3	−0.14
70629	14 26 51.55	−37 40 41.2	9.99	H	216.714 771 95	−37.678 120 36	11.11	−93.48	−84.94	1.49	1.04	1.92	1.89	1.50	− 7	−19	−15	− 3	+12	− 6	− 2	−55	+26	−26	0	0.45
70630 H	14 26 51.58	+56 02 10.6	7.53	G	216.714 925 59	+56.036 272 75 A	3.84	−21.89	18.55	1.23	1.14	0.75	0.77	0.75	−39	+ 7	+ 1	− 5	− 6	− 3	− 9	−10	− 2	+ 0	2	0.86
70631	14 26 53.02	−53 56 22.9	8.30	G	216.720 917 98	−53.939 693 64	8.02	23.40	4.40	0.70	0.67	1.02	0.68	0.91	− 2	−38	− 5	− 1	+ 2	−18	+ 1	+ 5	+ 6	−18	0	1.26
70632	14 26 53.14	−66 30 03.2	8.37	H	216.721 435 02	−66.500 881 35	5.22	−22.33	−20.22	0.62	0.79	1.17	0.68	0.83	+26	−14	+ 1	+ 2	+15	−24	+15	+ 7	− 7	+41	0	−1.53
70633	14 26 53.82	+46 36 47.8	8.34	H	216.724 267 32	+46.613 275 86	8.92	−72.42	33.45	0.58	0.70	0.80	0.63	0.72	+24	+ 6	−18	−26	−15	−10	−18	−38	+14	+14	0	0.70
70634	14 26 54.04	−12 54 03.3	9.31	H	216.725 171 16	−12.900 926 93	2.33	−17.18	5.48	1.31	0.77	1.48	1.58	1.03	−22	−38	− 7	+21	−10	+ 6	−17	−24	+30	−18	0	0.87
70635	14 26 54.12	+28 35 21.7	8.17	G	216.725 483 44	+28.589 371 47	3.14	72.20	−149.65	0.62	0.65	0.93	0.76	0.69	−12	+ 2	− 2	−18	− 8	+ 3	− 2	+12	−14	−29	0	0.65
70636	14 26 55.18	−40 26 01.5	8.06	G	216.729 902 65	−40.433 755 14	6.19	−6.05	−15.98	0.86	0.72	1.14	0.89	0.97	−22	−37	−18	+ 0	+24	− 3	+11	−52	+15	−44	0	−0.76
70637	14 26 55.71	−76 31 09.8	7.24	H	216.732 140 93	−76.519 394 62	9.44	27.81	8.20	0.51	0.52	0.68	0.59	0.61	+13	− 7	+ 9	−11	− 0	+15	− 1	− 6	+ 9	+26	0	1.31
70638	14 26 55.74	−83 40 04.3	4.31	H	216.732 253 13	−83.667 853 08	11.70	−95.79	−12.91	0.39	0.42	0.49	0.37	0.45	+ 8	−22	+ 2	−11	− 7	−12	− 8	+ 2	+ 2	+11	1	−0.58
70639	14 26 56.70	+50 24 36.7	8.29	H	216.736 259 98	+50.410 182 94	6.85	14.87	−46.35	0.61	0.65	0.77	0.75	0.71	+21	− 5	−25	− 3	−16	+ 5	−23	−32	+12	−15	0	−0.01
70640	14 26 57.62	+62 30 30.4	8.11	H	216.740 095 18	+62.508 457 29	1.60	−34.39	21.19	0.60	0.66	0.72	0.64	0.74	+13	−28	−15	− 5	− 6	+ 3	− 7	− 4	+ 7	− 9	0	−0.55
70641	14 26 58.26	+30 09 54.3	9.56	G	216.742 757 35	+30.165 086 83	2.58	−33.83	27.89	0.99	1.02	1.41	1.30	1.02	+ 4	− 5	−38	− 5	−38	+29	−20	+21	−19	−33	0	0.44
70642	14 26 58.38	+17 26 05.3	9.97	H	216.743 254 82	+17.434 803 22	7.37	−24.19	35.91	1.20	1.21	1.62	1.41	1.44	−51	+ 4	− 8	+ 2	+15	−16	+14	− 3	− 1	−65	0	1.64
70643 H	14 26 58.49	+03 41 15.2	8.41	H	216.743 716 67	+03.687 566 45 A	9.53	−52.34	−68.64	2.65	2.06	2.84	2.58	2.29	−41	+ 1	−15	−25	− 4	−18	−12	−23	+38	−59	2	−0.32
70644	14 26 58.68	−17 39 06.5	8.20	1 H	216.744 518 69	−17.651 807 25	3.65	−2.94	5.30	0.98	0.58	1.04	1.08	0.72	−14	−29	+ 0	+13	− 1	+ 1	− 4	−34	+21	− 6	2	1.02
70645	14 26 58.79	−59 14 15.5	6.87	H	216.744 942 29	−59.237 633 06	0.53	−3.72	−4.28	0.65	0.52	0.87	1.03	0.69	+21	−17	+ 3	+14	− 3	−14	+ 2	+ 6	− 1	+59	0	−0.39
70646	14 26 59.00	+52 29 09.1	9.52	H	216.745 834 46	+52.485 860 02	2.79	9.74	−5.39	0.83	0.83	1.01	0.89	0.97	+15	−24	−11	− 1	− 8	+ 7	− 9	+ 4	+ 6	+ 1	0	0.35
70647	14 27 00.37	−22 14 38.5	9.11	G	216.751 554 33	−22.244 035 42	1.40	−15.97	−53.02	1.09	0.91	1.44	1.22	1.12	−42	− 7	−27	− 3	+16	−16	+19	−55	+45	−24	0	1.83
70648	14 27 00.38	−57 17 18.1	7.86	H	216.751 599 72	−57.288 367 32	14.91	−97.08	−69.60	0.70	0.54	0.90	0.71	0.58	+ 6	−40	+ 3	+44	+ 1	− 2	− 5	+49	+16	+32	0	−0.23
70649	14 27 01.24	+01 08 34.9	8.02	H	216.755 185 95	+01.143 015 54	11.89	74.32	−51.04	0.99	0.85	1.18	1.25	1.14	−36	− 9	−23	+20	+14	−23	+ 5	−26	+32	−47	0	2.45
70650	14 27 01.34	+09 58 53.1	7.22	H	216.755 596 15	+09.981 415 41	6.98	13.83	−42.71	0.89	0.75	1.16	1.03	0.82	− 6	−10	−49	−44	− 8	+14	− 5	−47	+43	− 9	0	1.54
70651	14 27 01.52	+05 57 44.2	7.43	H	216.756 334 61	+05.962 270 99	4.07	2.08	−56.92	0.78	0.59	0.90	0.80	0.70	−16	−18	−16	− 1	−28	+24	−31	− 1	+ 4	−39	0	0.88
70652	14 27 02.05	+01 42 53.8	7.82	H	216.758 550 73	+01.714 948 01	7.40	−7.76	−2.10	0.98	0.78	1.33	1.14	0.97	−11	−26	−44	+10	+ 8	−30	−17	−22	+37	−44	0	0.19
70653	14 27 03.16	−04 25 32.9	9.59	G	216.763 160 56	−04.425 810 39	10.81	−194.36	−66.52	1.38	0.91	1.45	1.49	1.12	+ 8	−32	−28	+23	− 3	+ 8	− 6	+ 2	+ 8	− 9	0	−0.17
70654	14 27 04.42	−74 25 02.3	8.30	H	216.768 417 57	−74.417 302 85	2.01	−10.70	−6.30	0.63	0.61	0.85	0.69	0.70	+17	−16	+ 0	− 6	+ 9	−24	+ 6	+24	+ 6	+22	1	0.99
70655	14 27 04.50	+15 29 54.9	8.89	H	216.768 769 52	+15.498 589 02	5.87	6.54	21.44	0.92	0.71	1.20	1.03	0.75	−37	−14	−11	+43	+16	− 9	+ 7	+ 4	−26	−49	2	1.97
70656	14 27 04.96	−77 10 58.3	10.00	G	216.770 666 55	−77.182 848 09	27.34	−116.27	−198.99	1.00	0.95	1.26	1.09	1.15	+14	−12	+ 9	+16	+14	− 8	+16	+ 7	+11	+28	1	0.10
70657	14 27 07.11	−65 49 17.8	5.87	H	216.779 638 35	−65.821 611 61	3.54	−18.48	−14.36	0.33	0.45	0.63	0.38	0.52	+32	−15	− 3	− 6	+ 7	−10	+ 6	+ 1	− 3	+42	0	0.84
70658	14 27 07.11	+24 57 34.0	11.51	H	216.779 642 14	+24.959 446 14	5.70	0.15	1.92	2.02	1.81	2.45	2.37	2.08	−12	+15	−18	+38	− 5	+12	− 5	+14	−13	−14	0	−2.10
70659	14 27 08.74	−59 44 11.3	9.07	H	216.786 417 56	−59.736 459 08	−1.26	−5.72	−5.26	0.88	0.76	1.09	1.20	0.94	+24	− 1	+ 6	+21	+ 8	− 2	+11	+ 9	− 1	+45	0	−0.95
70660	14 27 11.09	+00 33 38.6	10.27	G	216.796 201 78	+00.560 711 38	4.55	−15.26	−3.30	1.77	1.44	2.31	2.26	1.64	−21	−19	−42	+ 9	− 3	+ 5	− 3	−22	+15	−31	0	1.42
70661	14 27 11.29	−66 34 04.8	6.57	H	216.797 030 99	−66.568 011 15	1.65	−6.35	−5.80	0.36	0.46	0.67	0.39	0.50	+23	−13	+ 2	− 2	+13	−17	+13	+ 4	− 6	+32	1	−1.87
70662 H	14 27 11.89	−36 47 13.7	8.89	H	216.799 562 20	−36.787 150 04 A	3.24	−23.60	−5.34	4.91	2.79	2.85	2.42	2.68	+11	− 2	− 3	− 9	+ 7	−16	+ 2	−24	+15	−38	1	0.32
70663	14 27 12.30	−46 08 02.6	5.83	H	216.801 247 77	−46.134 064 20	17.16	−152.52	−78.14	0.72	0.57	0.83	0.80	0.84	− 4	−40	+18	−24	− 5	+ 7	+ 0	−30	−13	− 6	0	0.55
70664	14 27 13.54	+34 43 19.9	8.66	G	216.806 419 66	+34.722 186 24	3.25	−3.16	4.56	0.64	0.73	1.05	0.75	0.89	+10	− 3	−15	−22	+ 5	−16	+ 7	+ 7	−20	+ 0	0	0.97
70665	14 27 13.94	−02 41 27.4	9.08	H	216.808 064 82	−02.690 933 22	6.46	−59.44	37.05	1.79	0.97	1.55	2.01	1.10	+ 3	+ 5	−18	+68	+ 7	+34	+15	+22	+ 3	+ 3	4	0.98
70666	14 27 14.34	+12 22 56.9	8.32	H	216.809 748 03	+12.382 462 91	2.36	24.70	−19.26	0.97	0.86	1.31	1.06	0.87	− 1	−38	−39	−20	−35	+39	−24	+ 5	+ 6	−15	0	−0.79
70667	14 27 15.85	+53 55 29.9	8.61	H	216.816 060 25	+53.924 985 89	2.09	3.42	−0.02	0.61	0.64	0.72	0.68	0.77	+23	− 5	+ 2	− 4	− 1	+ 0	− 1	− 3	− 8	+11	0	0.93
70668	14 27 15.98	+05 16 17.6	8.30	G	216.816 595 25	+05.271 551 15	10.26	34.46	−28.58	0.91	0.71	1.05	0.99	0.84	−22	−22	− 6	+12	−30	+23	−30	+13	− 6	−32	0	0.43
70669	14 27 16.39	+04 40 41.1	10.00	3 H	216.818 307 56	+04.678 078 25	−2.77	−4.76	5.70	1.91	1.17	2.33	1.34	1.22	−54	−77	+37	+ 3	−31	+20	−29	+24	+ 1	−41	4	−0.72
70670	14 27 16.64	−49 02 15.5	10.62	2 H	216.819 341 78	−49.037 627 77 A	3.87	−33.34	−21.91	3.10	2.70	4.14	3.30	3.05	−21	−14	−11	+21	+15	−16	+20	−21	+12	− 7	2	1.38
70671	14 27 16.83	−78 37 12.6	6.72	H	216.820 115 72	−78.620 163 81	6.62	−103.93	−46.31	0.45	0.49	0.58	0.47	0.56	+10	−15	+ 7	+16	+10	− 5	+11	+16	+ 0	+11	0	1.37
70672	14 27 17.41	−48 38 10.2	7.63	H	216.822 538 80	−48.636 153 09	2.94	−73.61	−62.18	0.68	0.61	1.02	0.82	0.91	−14	−16	−11	− 1	+12	−29	+ 9	+15	+10	−22	0	1.18
70673	14 27 18.37	−60 58 25.6	9.65	H	216.826 549 01	−60.973 783 59	6.25	0.51	−6.77	1.31	1.08	1.69	1.77	1.49	+ 4	−18	+ 2	+32	+ 4	+ 2	+ 3	+22	+ 6	+ 8	0	0.24
70674	14 27 18.66	+53 18 38.9	7.97	H	216.827 749 15	+53.310 802 17	13.68	−80.09	141.29	0.57	0.57	0.70	0.68	0.68	+20	−15	−14	+ 8	− 5	− 3	− 5	− 4	−19	+ 1	0	−0.51
70675	14 27 18.91	−40 08 01.3	9.05	H	216.828 788 96	−40.133 690 43	7.93	−45.03	−57.85	1.07	0.79	1.40	1.19	1.06	−12	−30	−18	+10	+13	+16	+ 7	−43	+11	−26	0	0.99
70676	14 27 19.60	−56 47 05.3	9.45	G	216.831 649 51	−56.784 796 83	2.37	−6.84	−5.85	0.83	0.80	1.28	0.90	0.85	+11	−39	−17	+29	+ 0	−10	− 1	+47	−10	+28	0	0.65
70677	14 27 21.47	−14 50 19.1	7.31	G	216.839 478 97	−14.838 632 99	21.29	−170.02	−60.65	0.90	0.53	0.99	1.11	0.68	−14	−29	− 9	+ 3	−19	+26	−17	−37	+13	− 5	0	2.49
70678	14 27 22.78	+22 42 59.3	8.97	G	216.844 927 46	+22.716 469 70	6.32	−95.79	66.07	0.92	0.86	1.16	1.04	0.93	−24	−12	−24	− 2	−12	+ 4	− 7	+13	−23	−32	0	−1.39
70679	14 27 24.42	−75 53 48.3	9.42	1 G	216.851 744 61	−75.896 756 65	3.03	−8.72	−5.92	0.78	0.81	1.04	1.00	1.00	+17	−10	+ 0	−12	+18	−12	+ 9	+20	+ 5	+38	1	1.53
70680	14 27 24.42	−06 07 12.7	6.18	G	216.851 768 63	−06.120 191 40	13.83	−62.15	−57.84	0.75	0.52	0.83	0.93	0.66	− 9	−13	−19	+24	− 4	+18	− 1	−16	+21	− 1	0	1.63
70681	14 27 24.95	−18 24 37.7	9.28	H	216.853 975 57	−18.410 475 31	19.16	−71.43	−312.82	1.37	0.75	1.44	1.51	0.97	− 9	−12	−14	+37	− 1	+25	− 4	−38	+32	− 6	0	2.05
70682	14 27 25.40	−15 48 47.6	7.78	H	216.855 822 67	−15.813 218 49	3.29	−23.06	0.63	1.00	0.63	1.04	1.61	0.77	−10	−14	+16	− 2	−31	−17	−10	−46	− 1	+29	0	−1.35
70683	14 27 25.46	−47 31 08.7	9.16	G	216.856 073 33	−47.519 070 20	1.32	−8.68	−3.26	0.81	0.73	1.19	1.09	1.16	−22	−18	− 5	+11	+15	−28	+16	−27	+11	−20	1	0.67
70684	14 27 25.55	+40 09 18.8	8.82	H	216.856 441 15	+40.155 209 17	4.77	−22.10	−5.18	0.61	0.72	0.93	0.73	0.76	+ 4	− 3	−27	− 1	+10	− 6	+ 9	+19	− 8	− 3	0	0.29
70685	14 27 27.52	+41 01 29.9	6.64	H	216.864 647 54	+41.024 964 46	13.07	−39.73	−21.94	0.44	0.47	0.63	0.54	0.50	− 3	− 6	−19	−23	+12	+ 6	+14	− 1	− 3	−14	1	0.25
70686	14 27 29.58	−61 59 47.9	7.54	H	216.873 254 62	−61.996 652 19	9.78	−15.46	−35.34	0.65	0.61	0.82	0.75	0.73	+ 8	−24	− 7	+21	+ 0	− 4	− 1	+36	− 1	+15	0	−1.05
70687	14 27 30.21	+14 45 15.3	7.28	H	216.875 887 48	+14.754 245 87	0.49	−12.43	6.68	0.67	0.66	0.96	0.79	0.65	−47	−10	−20	+38	+ 5	−18	− 6	+31	−23	−52	1	−0.26
70688	14 27 30.32	−10 12 17.7	8.86	H	216.876 314 62	−10.204 917 98	0.56	−13.47	−13.75	1.13	0.77	1.27	1.29	1.02	−21	−32	−14	+24	− 5	− 4	−12	−21	+25	−25	5	2.01
70689	14 27 30.48	−52 31 30.2	8.53	H	216.876 981 60	−52.525 055 29	11.68	−30.82	−25.29	0.65	0.71	1.05	0.87	0.95	−19	−36	+ 4	−10	+14	− 0	+11	−30	+ 4	−18	0	2.30
70690	14 27 30.72	−47 05 56.4	7.66	G	216.878 015 58	−47.099 013 41	3.95	−18.47	−14.11	0.65	0.55	0.95	0.88	0.84	−18	−22	− 1	+23	+ 8	−26	+11	−19	+ 8	− 9	0	−0.64
70691	14 27 31.05	−48 23 01.2	7.83	H	216.879 376 19	−48.383 670 65	1.80	−5.32	−4.83	0.64	0.64	1.01	0.78	1.04	−15	− 7	−17	− 8	+13	−34	+ 6	−17	+20	−39	0	1.51
*70692	14 27 31.52	+75 41 45.4	4.25	H	216.881 343 83	+75.695 939 21	9.46	8.71	22.09	0.42	0.42	0.46	0.42	0.45	+ 8	− 1	− 7	−19	− 8	−14	−10	+ 2	− 6	+ 6	0	1.19
*70693	14 27 31.43	−35 26 49.6	6.89	H	216.880 940 86	−35.447 101 56	10.78	33.79	−55.03	0.75	0.60	1.06	0.83	0.78	−16	−18	−32	+21	+19	+ 4	+10	−58	+43	−23	0	−1.32
*70694 H	14 27 33.31	+20 37 07.4	9.51	H	216.888 794 86	+20.618 727 73 A	8.98	−46.14	8.83	2.65	2.33	2.83	2.43	2.09	−18	− 2	−38	+ 8	− 6	+12	+ 6	+18	− 1	−43	0	−0.09
*70695	14 27 33.26	−51 55 59.5	7.85	H	216.888 585 96	−51.933 183 44	26.28	−305.30	40.69	0.61	0.59	0.94	0.71	0.81	−17	−22	− 2	+13	+ 9	− 8	+ 6	− 2	+25	− 5	0	1.50
70696	14 27 33.42	−21 59 30.8	7.34	H	216.889 261 42	−21.991 901 80	5.36	−34.10	4.78	0.81	0.62	1.05	0.95	0.84	−30	−22	−16	+10	+13	−20	+ 5	−41	+45	−26	0	−0.05
70697	14 27 33.61	−46 12 48.5	7.22	H	216.890 049 07	−46.213 470 28	7.88	−21.72	−18.61	0.67	0.47	0.82	0.70	0.71	+ 3	−33	− 7	+ 2	− 2	− 6	− 7	−15	+10	− 3	0	0.87
70698	14 27 35.71	+52 36 27.3	8.89	H	216.898 809 45	+52.607 594 42	8.62	−50.05	1.33	0.69	0.73	0.86	0.75	0.87	+17	−22	−23	−17	− 6	+ 5	− 7	+27	+

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
70601	9.627	0.022	9.260	0.024		0.348	0.030	T	0.41	0.04	L	9.2869	0.0031	0.024	94		9.25	9.34					1							S
70602	5.693	0.002	5.430	0.003		0.231	0.006	G	0.21	0.03	C	5.4698	0.0006	0.005	102		5.46	5.48					1							S
70603	7.945	0.006	7.217	0.006		0.645	0.003	G	0.71	0.00	H	7.2769	0.0010	0.010	116		7.26	7.29		C			1							S
70604	9.873	0.021	9.306	0.020	*	0.534	0.021	T	0.61	0.02	L *	9.3428	0.0020	0.018	97	*	9.31	9.37		D	14265−3901	H 1	2 C	A	AB	60	0.311	0.037	2.28	0.28	
70605	9.480	0.016	8.313	0.011		1.001	0.015	T	0.98	0.01	L	8.3695	0.0016	0.015	128		8.34	8.40					1							S
70606	9.935	0.019	8.277	0.010		1.420	0.015	G	1.40	0.02	H	8.2658	0.0013	0.015	130		8.25	8.30		C			1							S
70607	10.364	0.032	9.646	0.026	A						T *	9.6477	0.0032	0.023	100	*	9.61	9.69		D	14265−3630	I 1	2 C	A	AB	25	1.752	0.013	2.08	0.08	
70608	9.953	0.022	8.928	0.016		0.840	0.002	G	0.88	0.00	H	9.0008	0.0017	0.013	84		8.98	9.03		C			1							
70609	8.666	0.010	8.110	0.010		0.521	0.013	T	0.59	0.01	L	8.1751	0.0013	0.016	101		8.15	8.20					1							S
70610	10.920	0.048	9.873	0.032		1.016	0.004	G	1.06	0.01	I	9.8066	0.0020	0.023	124		9.76	9.85					1							
70611	9.574	0.025	8.587	0.018		0.864	0.023	T	0.88	0.02	L	8.6787	0.0021	0.015	57		8.65	8.71		D			1							S
70612	8.027	0.008	6.975	0.005		0.913	0.007	T	0.91	0.01	L	7.0326	0.0010	0.008	105		7.02	7.05		C			1							S
70613	9.533	0.020	8.215	0.012		1.119	0.018	T	1.08	0.02	L	8.2585	0.0018	0.013	98		8.23	8.29		C			1							S
70614	10.061	0.025	8.336	0.011		1.455	0.020	G	1.46	0.03	H	8.3260	0.0015	0.017	114		8.30	8.35					1							
70615	10.592	0.036	9.726	0.028		0.759	0.035	T	0.80	0.03	L	9.8317	0.0027	0.026	97		9.78	9.87		C	14267−4346	I 1	1							G
70616	8.531	0.011	7.316	0.007		1.039	0.010	T	1.01	0.01	L	7.3714	0.0007	0.008	77		7.36	7.38		C			1							S
70617	11.588	0.074	10.221	0.036		1.158	0.064	T	1.12	0.06	L	10.2300	0.0033	0.025	124		10.19	10.27		C			1							
70618	7.760	0.007	7.278	0.006		0.454	0.008	T	0.52	0.01	L	7.3204	0.0010	0.010	132		7.30	7.33		C	14267+7830	I 1	1							S
70619	8.777	0.011	8.245	0.010	*	0.499	0.013	T	0.57	0.01	L *	8.2789	0.0012	0.013	118	*	8.26	8.30		D	14267+1625	I 1	2 C	A	AB	238	0.253	0.004	0.58	0.08	S
70620	9.527	0.013	9.362	0.017		0.158	0.020	T	0.17	0.02	L	9.4325	0.0025	0.031	215		9.39	9.48			14268−6630	I 2	1	S						G
70621	7.421	0.009	7.414	0.009		0.007	0.007	G	0.03	0.01	H	7.4312	0.0049	0.031	76		7.39	7.48	0.92	P 1 A			1							S
70622	10.337	0.030	9.859	0.031		0.463	0.033	T	0.53	0.04	L	9.9292	0.0023	0.024	124		9.88	9.98		C			1							
70623	9.831	0.028	8.870	0.020		0.810	0.004	G	0.85	0.00	H	8.9634	0.0022	0.018	66		8.93	9.00					1							
70624	10.321	0.025	8.386	0.009		1.580	0.002	G	1.60	0.00	H	8.3088	0.0017	0.019	175		8.27	8.34					1							
70625	9.996	0.020	8.474	0.011		1.279	0.018	T	1.24	0.02	L	8.4869	0.0016	0.013	122		8.47	8.52					1							
70626	6.245	0.004	6.339	0.004		−0.088	0.000	G	−0.07	0.00	H	6.3344	0.0008	0.007	98		6.32	6.34					1							S
70627	10.239	0.028	9.512	0.024		0.653	0.028	T	0.72	0.03	L	9.6117	0.0026	0.023	97		9.58	9.65					1							
70628	10.362	0.030	9.619	0.026		0.665	0.030	T	0.73	0.03	L	9.6888	0.0021	0.023	111		9.66	9.74					1							
70629	10.773	0.041	10.046	0.035		0.653	0.041	T	0.72	0.04	L	10.1224	0.0027	0.022	93		10.09	10.16		C			1							G
70630	7.474	0.007	7.532	0.007	*	−0.048	0.004	G	−0.03	0.00	H *	7.5316	0.0009	0.009	129	*	7.52	7.55		C	14269+5602	H 1	2 C	C	AB	130	0.322	0.035	3.52	0.19	S
70631	8.802	0.010	8.333	0.010		0.448	0.015	G	0.52	0.02	H	8.4007	0.0014	0.015	124		8.37	8.43		C			1							
70632	9.980	0.018	8.500	0.010		1.246	0.016	T	1.20	0.02	L	8.5346	0.0018	0.020	215		8.50	8.57			14268−6630	I 2	1							
70633	9.061	0.012	8.403	0.011		0.610	0.014	T	0.68	0.01	L	8.4725	0.0011	0.014	130		8.45	8.50					1							S
70634	11.090	0.071	9.441	0.029		1.379	0.061	T	1.35	0.07	L	9.4602	0.0020	0.016	81		9.43	9.50		C			1							
70635	9.379	0.013	8.288	0.009		0.921	0.012	G	0.97	0.01	I	8.3445	0.0009	0.015	151		8.32	8.38		D			1							S
70636	8.299	0.010	8.074	0.011		0.209	0.015	T	0.23	0.02	L	8.1245	0.0015	0.010	84		8.10	8.14		C			1							S
70637	7.848	0.006	7.308	0.006		0.506	0.008	T	0.58	0.01	L	7.3550	0.0011	0.011	154		7.34	7.37					1	G						S
70638	6.017	0.003	4.457	0.002		1.300	0.300	G	1.30	0.02	A	4.4667	0.0006	0.006	156		4.46	4.48					1							S
70639	9.626	0.017	8.400	0.011		1.047	0.016	T	1.02	0.01	L	8.4621	0.0015	0.013	118		8.44	8.48					1							S
70640	10.014	0.020	8.266	0.010		1.457	0.018	T	1.46	0.03	L	8.2409	0.0017	0.013	127		8.22	8.27		C			1							S
70641	9.919	0.026	9.587	0.028		0.260	0.015	G	0.29	0.02	H	9.6312	0.0028	0.024	85		9.58	9.67					1							
70642	10.659	0.045	10.058	0.040		0.560	0.053	T	0.63	0.05	L	10.0864	0.0030	0.025	91		10.05	10.12		C			1							
70643	8.954	0.017	8.379	0.018	*	0.537	0.022	T	0.61	0.02	L *	8.5267	0.0024	0.020	90	*	8.50	8.57		R	14270+0341	I 1	2 C	A	AB	17	2.742	0.004	0.10	0.02	S
70644	10.355	0.032	8.400	0.012		1.622	0.027	T	1.64	0.03	L	8.3168	0.0021	0.017	92		8.29	8.35		U			1							
70645	8.810	0.013	7.015	0.006		1.495	0.011	T	1.52	0.02	L	7.0005	0.0012	0.010	127		6.99	7.02					1							S
70646	10.680	0.038	9.610	0.024		0.927	0.034	T	0.92	0.03	L	9.6744	0.0023	0.021	128		9.64	9.71		C			1							
70647	10.091	0.023	9.226	0.017		0.774	0.021	T	0.81	0.01	L	9.2416	0.0020	0.018	108		9.21	9.27		C			1							
70648	8.425	0.009	7.917	0.009		0.488	0.010	T	0.56	0.01	L	7.9661	0.0011	0.013	146		7.94	7.99		C			1							S
70649	8.838	0.014	8.101	0.012		0.686	0.015	G	0.74	0.01	H	8.1622	0.0013	0.011	67		8.14	8.18		C			1							S
70650	8.525	0.012	7.333	0.008		1.021	0.011	T	0.99	0.01	L	7.3894	0.0013	0.007	72		7.38	7.40		C			1							S
70651	8.813	0.013	7.547	0.008		1.079	0.012	T	1.04	0.01	L	7.6035	0.0010	0.007	76		7.59	7.62		C			1							S
70652	7.985	0.010	7.835	0.010		0.144	0.013	T	0.16	0.01	L	7.8690	0.0016	0.009	57		7.85	7.89					1							S
70653	10.448	0.039	9.669	0.032		0.703	0.004	G	0.75	0.00	H	9.7356	0.0023	0.017	64		9.70	9.77		C			1							
70654	8.327	0.008	8.310	0.010		0.020	0.012	T	0.04	0.01	L	8.3164	0.0018	0.018	152		8.29	8.35					1							
70655	9.354	0.015	8.939	0.015		0.392	0.020	T	0.46	0.02	L	8.9796	0.0012	0.013	124		8.96	9.00		D			1							S
70656	11.408	0.061	10.121	0.032		1.110	0.020	G	1.19	0.03	I	10.1241	0.0031	0.032	151		10.07	10.19					1							G
70657	7.805	0.006	6.016	0.003		1.502	0.004	G	1.53	0.01	H	5.9948	0.0006	0.008	230		5.98	6.01					1							S
70658						0.639	0.126	G	0.70	0.11	R	11.6456	0.0080	0.051	70		11.54	11.72					1							G
70659	9.294	0.015	9.080	0.018		0.220	0.020	G	0.24	0.02	H	9.1354	0.0023	0.021	120		9.10	9.17					1							
70660	10.669	0.053	10.389	0.065		0.450	0.020	G	0.52	0.02	H	10.3724	0.0040	0.027	64		10.32	10.42		C			1							
70661	6.690	0.003	6.585	0.003		0.102	0.004	T	0.12	0.00	L	6.6092	0.0008	0.009	218		6.59	6.62		C			1							S
70662	9.560	0.019	8.983	0.018	*	0.542	0.019	T	0.62	0.02	L *	9.0091	0.0024	0.017	107	*	8.99	9.04		D	14272−3647	I 1	2 C	A	AB	156	0.391	0.004	0.03	0.02	
70663	6.201	0.003	5.852	0.004		0.311	0.004	G	0.33	0.00	A	5.9009	0.0007	0.006	107		5.89	5.91		C	14272−4608	I 1	1	G						S
70664	9.136	0.011	8.691	0.011		0.443	0.015	G	0.51	0.02	H	8.7509	0.0017	0.019	177		8.72	8.79		C			1							S
70665	9.700	0.032	9.133	0.030		0.530	0.039	T	0.60	0.04	L	9.1960	0.0015	0.014	50		9.18	9.22		C			1							
70666	9.447	0.019	8.432	0.013		0.840	0.015	G	0.86	0.01	H	8.4777	0.0021	0.016	65		8.45	8.50		C			1							S
70667	9.993	0.023	8.713	0.014		1.089	0.021	T	1.05	0.02	L	8.7784	0.0017	0.012	110		8.76	8.80					1							
70668	8.784	0.014	8.337	0.014		0.436	0.004	G	0.50	0.00	H	8.3924	0.0014	0.013	90		8.37	8.42		C			1							S
70669						1.500	0.510	G	4.62	0.96	Q	9.1207	0.5033	1.581	84		7.53	11.29	351.60	P 1 B			1							G P
70670	11.281	0.060	10.651	0.057	A	0.586	0.072	T	0.66	0.07	L	10.7461	0.0159	0.046	149	A	10.66	10.84		U	14273−4902	I 1	2 C	A	AB	70	10.408	0.023	1.74	0.09	G
70671	8.179	0.008	6.849	0.005		1.129	0.007	T	1.09	0.01	L	6.8932	0.0009	0.009	132		6.88	6.91					1							S
70672	9.556	0.018	7.804	0.008		1.461	0.016	T	1.47	0.03	L	7.7605	0.0018	0.015	123		7.74	7.79					1							
70673	10.173	0.028	9.711	0.029		1.130	0.020	G	0.32	0.16	S	9.7212	0.0043	0.037	110		9.67	9.80		R			1							
70674	8.676	0.010	8.043	0.009		0.587	0.024	G	0.66	0.02	H	8.1007	0.0016	0.014	116		8.08	8.13					1							S
70675	9.636	0.019	9.130	0.019		0.486	0.020	T	0.56	0.02	L	9.1538	0.0021	0.017	94		9.13	9.18		C			1							
70676	9.699	0.018	9.527	0.022		0.240	0.020	G	0.27	0.03	H	9.5201	0.0017	0.020	132		9.49	9.56		C			1							G
70677	7.889	0.008	7.380	0.007		0.487	0.012	G	0.56	0.01	H	7.4196	0.0010	0.008	93		7.41	7.44		C			1							S
70678	10.260	0.031	9.075	0.019		0.990	0.015	G	1.03	0.01	I	9.1232	0.0021	0.016	75		9.10	9.17					1							
70679	9.348	0.014	9.406	0.019		−0.044	0.005	G	−0.02	0.01	H	9.4145	0.0032	0.035	151		9.37	9.48		U			1							
70680	6.303	0.004	6.182	0.005		0.093	0.006	G	0.11	0.01	H	6.2112	0.0010	0.007	60		6.20	6.22		C			1							S
70681	9.977	0.026	9.340	0.022		0.606	0.019	G	0.68	0.02	H	9.4131	0.0017	0.014	79		9.39	9.44		C			1							
70682	9.201	0.014	7.894	0.009		1.111	0.013	T	1.07	0.01	L	7.9479	0.0015	0.012	94		7.93	7.97					1							S
70683	9.166	0.012	9.166	0.017		0.012	0.010	G	0.03	0.01	H	9.1705	0.0022	0.020	141		9.14	9.21		C			1							
70684	9.453	0.017	8.886	0.016		0.530	0.021	T	0.60	0.02	L	8.9334	0.0016	0.019	138		8.90	8.97					1							S
70685	7.074	0.004	6.684	0.004		0.369	0.005	T	0.43	0.01	L	6.7282	0.0007	0.007	148		6.72	6.74		C			1							S
70686	8.054	0.008	7.583	0.009		0.457	0.009	T	0.53	0.01	L	7.6470	0.0011	0.014	122		7.62	7.67		D			1							S
70687	8.937	0.011	7.421	0.006		1.274	0.010	T	1.23	0.01	L	7.4415	0.0008	0.009	151		7.43	7.46		C			1							S
70688	10.703	0.053	8.991	0.022		1.429	0.045	T	1.42	0.07	L	8.9995	0.0023	0.013	70		8.97	9.02		C			1							
70689	8.966	0.012	8.584	0.012		0.373	0.015	T	0.44	0.02	L	8.6223	0.0013	0.015	128		8.59	8.65		C			1	G						
70690	7.605	0.006	7.642	0.008		−0.031	0.008	G	−0.01	0.01	H	7.6483	0.0015	0.012	129		7.63	7.67		C			1							S
70691	9.440	0.017	7.949	0.009		1.255	0.015	T	1.21	0.02	L	7.9895	0.0012	0.015	137		7.96	8.01		C			1							
70692	6.122	0.003	4.407	0.002		1.431	0.003	T	1.42	0.01	L	4.3883	0.0005	0.005	125		4.38	4.40			14276+7542	I 1	1							S
70693	7.571	0.006	6.954	0.005		0.571	0.006	T	0.64	0.01	L	7.0087	0.0014	0.011	121		6.99	7.03					1							S
70694	10.474	0.041	9.778	0.035	*	0.642	0.044	T	0.71	0.04	L *	9.6412	0.0023	0.023	96	*	9.61	9.68		D	14276+2037	I 1	2 C	B	AB	220	0.941	0.004	0.03	0.03	
70695	8.685	0.013	7.936	0.011		0.682	0.020	G	0.71	0.02	A	7.9854	0.0013	0.014	136		7.96	8.01					1							S
70696	8.546	0.010	7.460	0.007		0.939	0.009	T	0.93	0.01	L	7.5065	0.0009	0.011	101		7.49	7.52					1							S
70697	7.235	0.006	7.226	0.008		0.009	0.009	T	0.03	0.01	L	7.2368	0.0010	0.008	107		7.22	7.25		C			1							S
70698	9.492	0.016	8.936	0.015		0.521	0.020	T	0.59	0.02	L	9.0059	0.0023	0.017	128		8.97	9.03					1							
70699	9.382	0.016	8.924	0.016		0.432	0.021	T	0.50	0.02	L	8.9950	0.0019	0.017	130		8.96	9.03					1							
70700	8.340	0.009	7.785	0.007		0.520	0.010	T	0.59	0.01	L	7.8337	0.0013	0.011	139		7.82	7.85		C			1							S

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%) δ α*	π α*	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\mu_{\alpha*}$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
70701	14 27 36.96	+41 50 55.6	8.70	H	216.904 018 89	+41.848 765 75	2.34	7.54	−4.57	0.63	0.67	0.89	0.72	0.72	+13	+ 0	−11	+19	+ 4	− 3	+ 4	+22	− 4	+16	1	−1.85
70702	14 27 39.08	−00 54 05.6	11.68	3 H	216.912 818 97	−00.901 566 80	−2.89	−3.73	−19.69	2.64	2.38	3.22	3.72	2.90	−36	− 8	−31	−17	+16	−11	+14	−27	− 4	−37	5	0.19
70703	14 27 39.44	−46 12 06.7	7.68	G	216.914 328 88	−46.201 849 01	3.63	−15.37	−9.68	0.71	0.52	0.88	0.73	0.77	− 1	−25	+ 3	+ 7	+ 2	− 9	+ 0	−18	+ 2	− 7	0	0.68
70704	14 27 41.73	−48 05 24.8	8.60	H	216.923 895 61	−48.090 229 69	8.66	−54.87	−55.62	0.69	0.74	1.20	0.91	1.12	−33	− 7	− 3	− 4	+20	−41	+24	−37	+12	−31	0	1.03
*70705	14 27 41.84	+41 57 13.2	9.91	2 H	216.924 325 27	+41.953 668 16	17.29	−91.56	−101.44	1.00	1.20	1.58	1.13	1.22	+25	− 1	−28	+ 8	−11	+ 2	−10	+ 6	− 1	+10	6	0.01
*70706	14 27 41.82	−31 51 57.0	8.29	H	216.924 232 38	−31.865 825 93	3.95	−22.75	−11.48	0.96	0.68	1.47	1.22	1.04	−22	+19	−49	+32	− 5	+32	+30	−63	+67	+22	2	−0.04
*70707 H	14 27 41.84	−41 12 49.4	8.68	H	216.924 320 40	−41.213 731 00 A	7.72	−14.13	−0.13	5.09	2.91	2.68	2.40	2.34	−33	−11	+ 3	− 3	− 6	+ 1	+ 1	+ 0	−13	−10	1	1.77
70708	14 27 42.38	−33 19 49.9	9.22	H	216.926 567 51	−33.330 528 43	1.18	27.31	−4.52	1.15	0.96	1.44	1.54	1.24	−19	−12	−25	− 5	+15	− 6	+ 8	−57	+27	−26	0	0.25
70709 H	14 27 42.68	+58 20 04.1	7.78	2 H	216.927 822 37	+58.334 469 40 A	4.42	−2.17	15.99	0.74	0.70	0.71	0.70	0.73	− 1	− 3	+ 1	+16	− 2	+ 7	− 1	+20	+ 8	+ 0	1	−0.40
70710	14 27 43.71	+49 23 47.2	7.34	H	216.932 139 84	+49.396 457 85	4.79	−15.20	15.85	0.50	0.57	0.69	0.56	0.64	+14	−12	−23	+ 1	−17	+12	−21	−18	+15	−12	0	−0.69
70711	14 27 44.31	+56 56 12.6	8.68	H	216.934 641 88	+56.936 835 06	9.73	14.13	32.89	0.66	0.64	0.75	0.76	0.71	+21	− 6	− 5	−22	−12	−14	−10	− 9	−12	+ 3	1	1.19
70712 H	14 27 45.31	+32 57 02.9	8.59	G	216.938 801 00	+32.950 806 16 A	6.70	−23.05	−2.52	1.06	1.22	1.63	1.42	1.43	+12	+14	+ 0	+23	+ 1	−18	+ 2	+28	+ 6	−10	1	0.36
*70713	14 27 45.32	−35 15 13.8	8.20	G	216.938 834 51	−35.253 828 34	9.53	−89.32	−43.33	0.87	0.68	1.21	1.01	0.90	−18	− 5	−22	+16	+17	+12	+12	−54	+32	−24	0	0.85
*70714	14 27 45.32	−13 21 33.5	6.65	G	216.938 826 98	−13.359 291 87	23.41	−62.34	−22.67	0.83	0.51	0.87	0.92	0.67	−31	−24	−11	+46	− 3	+10	−10	−28	+26	−34	0	1.44
70715	14 27 45.32	+23 50 26.4	10.93	G	216.938 842 14	+23.840 659 41	22.67	−517.30	72.93	1.59	1.48	2.38	2.02	1.57	− 7	−20	−34	+16	+13	−37	+ 0	−10	−10	−21	0	−0.66
70716	14 27 45.49	−44 19 48.7	6.99	H	216.939 550 19	−44.330 191 18	8.72	−42.36	−27.39	0.73	0.47	0.86	0.65	0.62	+ 2	−38	−14	−16	+ 1	−10	− 9	−19	+23	−11	2	−3.31
70717 H	14 27 46.24	+00 06 34.0	9.24	H	216.942 680 07	+00.109 441 85 A	5.01	−34.73	2.72	2.34	2.01	3.12	2.89	1.89	−17	−23	−57	+14	−30	+32	−17	+ 1	+ 8	−36	0	0.93
70718	14 27 46.75	+03 37 17.1	7.48	H	216.944 795 83	+03.621 428 08	4.12	−34.48	2.49	0.87	0.65	1.06	0.98	0.79	−26	−15	− 4	−15	−39	+ 7	−38	+10	+16	−45	0	−0.11
70719	14 27 47.47	−32 38 09.3	9.41	H	216.947 779 70	−32.635 930 35	5.57	−66.63	−38.63	1.07	0.84	1.55	1.28	1.14	−15	+ 6	−48	+16	+ 6	+12	+19	−59	+55	+ 3	0	−1.21
70720	14 27 47.47	−11 19 39.5	8.61	H	216.947 794 49	−11.327 638 83	9.13	−4.63	−3.45	1.03	0.73	1.12	1.15	0.96	−33	−29	+ 2	+25	− 4	− 6	− 9	− 9	+12	−41	2	−1.59
70721	14 27 47.54	+10 51 03.7	9.56	H	216.948 099 23	+10.851 023 96	4.89	−18.20	−14.75	1.35	0.95	1.55	1.50	0.97	+ 9	−25	−29	−48	−26	+30	−21	−20	+10	+ 7	0	0.21
70722	14 27 48.13	−50 00 13.9	10.65	H	216.950 559 72	−50.003 864 82	8.82	−13.09	5.88	1.34	1.28	2.31	1.87	2.22	−30	−10	+ 0	− 4	+11	−28	+13	−28	+17	−22	0	2.09
70723	14 27 48.86	+12 06 24.2	9.48	H	216.953 576 64	+12.106 724 43	5.91	34.53	−11.79	1.28	1.18	1.76	1.53	1.17	+ 9	−40	−48	−29	−44	+42	−30	−10	+ 9	− 3	0	−0.60
70724	14 27 50.07	−45 57 47.2	8.85	H	216.958 644 17	−45.963 122 44	16.08	−130.35	−95.71	1.02	0.71	1.25	1.10	1.09	+ 6	−34	−12	+ 5	+ 0	−15	−10	−22	+19	− 5	2	0.15
70725	14 27 52.71	+02 23 45.4	9.38	H	216.969 633 11	+02.395 938 78	1.36	−20.13	−12.11	1.44	1.05	2.09	1.60	1.50	−20	−42	−25	− 2	−19	−21	−41	− 7	+54	−53	0	0.63
70726	14 27 52.83	−36 27 08.7	8.75	H	216.970 111 82	−36.452 422 59	0.82	−3.75	−7.39	1.16	0.75	1.38	1.33	0.99	− 3	− 5	−18	−45	− 2	−13	− 5	−64	+30	+ 0	0	0.21
70727	14 27 53.11	−58 25 51.3	8.67	H	216.971 310 43	−58.430 907 53	1.87	5.46	−4.75	0.83	0.66	1.13	1.15	0.85	+29	−19	− 2	+16	+ 4	−30	+ 3	+21	−10	+55	0	0.38
70728 H	14 27 54.77	+21 22 34.7	8.94	H	216.978 197 35	+21.376 314 03 A	10.94	40.38	−92.99	2.39	2.04	2.45	2.40	1.93	−29	− 7	−21	− 6	+16	−22	+15	− 5	+ 9	−30	1	0.53
70729	14 27 55.13	+06 57 06.2	9.23	H	216.979 728 33	+06.951 714 56	5.20	22.82	−34.56	1.18	1.04	1.66	1.25	1.34	−22	−27	−39	−13	− 6	+ 5	−19	−29	+38	−52	0	0.01
70730	14 27 55.52	−59 37 30.7	9.95	H	216.981 339 82	−59.625 207 34	0.04	−2.13	−2.38	1.29	1.15	1.74	2.03	1.48	+11	− 5	+ 0	+27	− 2	− 1	+ 6	+10	+ 4	+45	0	0.09
70731	14 27 55.62	+16 33 17.9	8.88	H	216.981 762 89	+16.554 969 87	8.46	−34.83	−25.03	0.82	0.81	1.17	0.87	0.86	−47	−15	− 9	+21	− 7	+ 5	− 3	+24	−28	−59	0	−1.59
70732	14 27 57.10	−55 01 24.9	8.59	1 H	216.987 915 98	−55.023 587 98	1.38	−13.80	−6.57	0.90	0.71	1.19	0.99	1.00	+ 6	−38	−18	+24	+16	−11	+12	−11	+12	+ 0	0	1.24
70733	14 27 57.36	−59 38 07.5	9.87	2 G	216.989 007 56	−59.635 429 84	−0.91	−5.66	−4.49	1.46	1.12	1.77	2.20	1.52	+33	− 8	− 2	+46	+23	+ 2	+32	+19	+ 7	+62	0	1.03
70734	14 27 57.71	−68 55 56.4	8.89	H	216.990 454 93	−68.932 336 40	7.02	−33.95	−37.71	0.70	0.82	1.10	0.87	1.08	+30	−20	− 5	+ 8	+ 6	−12	+ 5	+12	− 8	+47	0	0.51
*70735	14 27 58.10	+35 34 38.7	7.44	H	216.992 072 26	+35.577 416 60	9.18	65.67	−89.36	0.41	0.53	0.77	0.46	0.60	+27	− 5	+ 4	− 8	− 1	−10	+ 1	+12	−21	+27	0	0.18
*70736	14 27 58.07	+69 15 11.5	7.68	H	216.991 951 98	+69.253 184 45	8.90	7.29	0.22	0.53	0.61	0.62	0.53	0.72	+ 5	−13	−17	+ 6	−14	+ 5	−16	+ 1	+ 2	− 2	0	0.88
70737	14 27 58.19	+04 13 46.4	8.42	H	216.992 468 33	+04.229 564 07	−1.34	3.17	12.87	1.36	0.84	1.30	1.35	1.00	+14	−33	−17	−45	−53	+24	−53	−10	+19	− 7	8	1.92
70738	14 27 58.77	+29 15 50.0	7.60	H	216.994 888 23	+29.263 892 66	5.12	−27.99	8.56	0.62	0.57	0.85	0.63	0.58	− 5	−12	+ 0	−38	+ 0	+12	+ 8	+ 5	−21	−21	0	−0.99
70739	14 27 59.25	−14 22 56.2	8.99	H	216.996 856 55	−14.382 284 03	5.82	−4.03	−11.30	1.14	0.73	1.32	1.45	0.92	−25	−16	−24	+27	−17	+26	− 8	−41	+25	−12	0	1.82
70740	14 27 59.38	+16 55 07.7	8.59	H	216.997 423 32	+16.918 804 19	2.03	− 5.93	−12.97	0.82	0.86	1.16	0.94	0.96	−49	− 2	−22	+18	− 3	− 8	− 5	+16	− 4	−67	0	0.44
70741	14 27 59.66	−01 46 08.3	8.25	H	216.998 565 10	−01.768 980 69	32.07	−46.23	−56.14	17.87	13.16	20.15	22.51	15.58	−10	+ 2	−30	+14	+ 2	+ 8	+ 7	−16	+14	− 1	0	
70742	14 28 00.06	+26 35 26.9	8.36	H	217.000 262 99	+26.590 804 63	0.90	−25.97	−11.23	0.87	0.77	1.10	0.82	0.82	−25	− 7	− 3	−13	−26	+15	−14	+32	−23	−52	0	0.77
70743	14 28 00.38	+57 06 51.0	8.97	H	217.001 585 31	+57.114 161 66	6.36	0.95	− 6.08	0.72	0.68	0.82	0.80	0.76	+14	−12	− 6	−18	− 9	− 5	− 7	− 6	−11	+ 4	0	−1.08
70744	14 28 01.40	+66 20 25.7	7.98	H	217.005 822 18	+66.340 471 54	3.71	− 7.52	8.78	0.57	0.70	0.72	0.76	0.92	+ 0	− 5	−28	− 6	− 5	− 6	− 5	− 1	+11	−28	0	0.45
70745	14 28 01.89	+38 41 13.2	9.97	H	217.007 891 95	+38.687 011 60	11.74	−113.94	−25.43	0.94	1.06	1.48	1.14	1.07	− 1	+ 7	−15	+13	− 3	+ 8	− 2	+21	−13	−12	2	0.80
70746	14 28 03.58	+31 47 17.5	8.60	H	217.014 921 72	+31.788 182 49	2.40	−25.20	− 9.41	0.65	0.79	1.21	0.95	1.11	+12	+14	−16	+ 2	− 2	− 3	− 7	−20	+23	−33	0	1.59
70747	14 28 04.74	−03 00 14.2	7.77	H	217.019 736 70	−03.003 940 36	3.61	− 4.60	1.55	0.97	0.77	1.08	1.07	0.78	+ 0	− 6	−48	+49	− 5	+23	+ 9	+30	−18	− 8	0	2.55
70748	14 28 09.21	−36 40 55.9	9.78	H	217.038 366 80	−36.682 206 36	3.28	− 8.16	−23.25	1.40	0.97	1.83	1.57	1.28	−17	+13	−18	−39	+11	−35	+11	−64	+32	−19	3	1.23
70749	14 28 09.57	+37 33 24.0	8.03	H	217.039 861 31	+37.556 660 41	4.48	− 2.64	13.67	0.54	0.62	0.90	0.65	0.65	+11	+19	− 9	− 8	+ 3	−18	− 2	+14	−23	+ 9	1	0.00
70750	14 28 09.82	+23 11 34.5	11.24	H	217.040 901 09	+23.192 904 39	5.75	21.53	−21.50	2.04	1.85	2.55	2.71	2.10	−12	+ 4	−22	+11	+ 5	− 3	+ 3	+27	− 8	− 8	2	0.04
70751	14 28 09.85	+06 32 43.9	11.88	3 H	217.041 058 46	+06.545 536 26	−6.81	−58.14	−0.71	3.43	2.31	4.21	3.45	2.71	+ 0	−44	−34	−19	−31	+34	−33	−17	+23	−21	0	−0.98
70752	14 28 10.10	−08 45 25.0	9.23	H	217.042 092 47	−08.756 957 67	3.11	− 9.17	− 0.86	1.43	0.86	1.52	1.62	1.03	−21	−43	− 2	+40	+ 1	−12	− 1	−15	+25	− 6	0	−0.16
70753	14 28 10.44	−29 29 29.7	4.97	H	217.043 513 89	−29.491 579 76	7.85	−24.87	−23.81	0.69	0.48	0.80	0.97	0.61	−18	− 4	+ 4	+11	−14	+19	−10	−12	−12	− 8	0	0.85
70754	14 28 11.12	+55 22 16.7	9.49	H	217.046 324 62	+55.371 316 74	0.78	− 4.48	− 4.48	0.79	0.78	0.91	1.05	0.91	+16	+ 0	− 1	+ 9	−10	+18	− 8	+15	− 2	+ 7	3	0.36
70755 H	14 28 12.22	−02 13 40.6	4.81	1 G	217.050 918 06	−02.227 950 09 A	24.15	−140.94	− 2.92	0.99	0.85	1.00	1.04	0.83	−37	+12	−49	+35	−21	+36	− 4	+10	+ 3	−27	0	−0.08
70756	14 28 12.24	−16 06 36.4	9.80	H	217.051 010 92	−16.110 098 25	29.76	−18.19	− 1.69	1.55	0.96	1.55	1.93	1.16	−26	−13	+ 2	+41	+ 6	+ 2	+15	−30	+16	− 7	5	−0.95
70757	14 28 12.29	+20 38 43.3	8.98	H	217.051 192 32	+20.645 357 81	1.10	− 9.25	−43.81	0.84	0.84	1.21	1.03	0.88	−24	+16	−35	+26	+10	− 4	+ 5	+ 0	+ 0	−26	0	1.73
70758	14 28 14.66	−60 07 44.8	8.87	G	217.061 072 65	−60.129 098 41	10.40	−25.49	−17.26	0.86	0.76	1.14	1.06	0.91	+17	−17	− 8	+13	+ 5	− 5	+ 4	+12	+ 1	+35	0	−0.03
70759	14 28 14.93	+54 45 01.5	8.48	H	217.062 202 60	+54.750 418 44	2.98	−47.90	23.72	0.61	0.64	0.72	0.66	0.71	+18	+ 3	− 9	+11	− 1	− 1	− 1	+14	− 4	+11	0	0.63
70760	14 28 15.08	+16 07 08.6	7.43	H	217.062 844 71	+16.119 068 96	15.60	81.46	−180.83	0.67	0.60	0.97	0.69	0.62	−38	−21	− 3	+20	+ 8	− 2	+11	+13	−24	−52	0	3.13
70761	14 28 16.20	+24 31 02.1	7.92	H	217.067 500 86	+24.517 248 63	9.31	−231.59	122.25	0.79	0.66	0.96	0.88	0.71	− 5	−22	−33	+17	−19	+ 0	−14	+29	−21	−23	0	1.43
70762	14 28 16.46	+36 11 49.3	6.22	H	217.068 565 94	+36.197 018 83	3.48	−21.72	3.70	0.35	0.46	0.64	0.39	0.49	+39	+ 5	+ 7	+13	− 1	−15	+ 0	+22	−18	+36	0	0.57
70763	14 28 17.52	−37 45 41.4	8.72	H	217.073 001 88	−37.761 500 11	3.45	6.87	−34.59	0.95	0.69	1.28	1.16	1.00	− 8	−24	−24	− 8	+10	− 3	− 4	−57	+38	−21	0	2.01
70764	14 28 17.96	+15 40 15.3	8.83	H	217.074 827 73	+15.670 905 79	5.37	−67.96	24.52	1.09	0.89	1.40	1.27	0.87	−31	−21	− 1	+45	+23	−18	+ 9	+11	−17	−47	0	2.51
70765	14 28 17.98	−20 33 52.4	7.96	H	217.074 903 89	−20.564 558 12	8.62	−19.71	−22.88	0.89	0.72	1.10	1.28	1.01	−32	− 3	−32	+25	+ 8	−17	− 1	−23	+34	−42	0	1.31
70766	14 28 20.50	−07 48 56.4	9.48	H	217.085 417 00	−07.815 657 84	0.54	14.31	− 6.47	1.45	0.80	1.60	1.52	1.08	− 9	−46	−10	+32	− 8	− 6	−25	− 5	+42	−12	0	−1.35
70767	14 28 21.34	−49 54 55.3	9.87	H	217.088 896 71	−49.915 351 82	13.55	−185.44	−28.21	0.95	0.88	1.63	1.21	1.48	−30	−20	+ 1	− 4	+ 9	−27	+ 9	−27	+18	−23	0	0.87
70768 H	14 28 23.37	−23 00 44.9	7.91	H	217.097 379 78	−23.012 467 33 A	14.81	−76.19	−50.55	1.22	1.03	1.33	1.24	1.15	−31	−13	−13	+ 9	+ 0	+ 5	+ 8	−29	+24	+ 1	4	0.74
70769	14 28 25.14	−39 32 29.0	8.08	2 H	217.104 755 44	−39.541 401 98	2.00	1.02	−17.82	0.79	0.68	1.10	0.90	0.96	−23	−23	−14	− 1	+16	+ 0	+ 6	−42	+24	−38	0	2.20
70770	14 28 26.63	+18 10 43.4	10.53	H	217.110 964 85	+18.178 717 88	3.46	− 8.98	9.83	1.29	1.21	1.84	1.45	1.31	−26	− 6	−24	+29	+ 2	− 3	+ 2	+30	−29	−38	3	3.15
70771	14 28 28.14	+73 03 06.7	10.26	H	217.117 239 45	+73.051 873 52 B	−4.01	20.16	− 9.68	16.87	18.71	6.41	7.78	8.72	− 1	−11	−25	+ 3	− 1	− 2	− 1	+ 8	+ 2	−18	6	2.82
70772	14 28 28.58	+05 40 51.4	7.37	2 H	217.119 068 68	+05.680 930 68	1.71	−24.56	− 7.70	0.82	0.73	0.97	0.92	0.86	−40	− 9	−16	+20	−40	+31	−40	+17	−12	−56	0	0.83
70773	14 28 28.79	−65 02 40.3	8.40	H	217.119 955 17	−65.044 537 43	10.51	−72.74	−62.91	0.54	0.77	1.05	0.67	1.02	+47	−16	− 7	+ 7	+18	− 2	+17	+17	− 4	+61	1	2.83
70774	14 28 29.60	−27 18 29.4	9.36	H	217.123 352 22	−27.308 163 88	9.48	−58.55	− 0.94	1.07	0.80	1.36	1.27	0.97	−32	−13	−13	+ 5	−17	+18	−13	− 9	− 7	−27	0	1.03
70775	14 28 29.74	+30 25 54.0	7.94	H	217.123 909 99	+30.431 655 80	4.07	−21.99	10.60	0.67	0.59	1.02	1.00	0.72	+ 8	−10	−14	+11	−10	− 2	− 5	+17	−30	−27	1	−0.60
*70776	14 28 29.81	−22 58 28.9	7.82	H	217.124 189 59	−22.974 695 86	12.39	− 9.45	−34.28	0.83	0.70	1.12	0.87	0.86	−35	−22	−26	+ 6	+14	− 6	+ 9	−43	+47	−23	0	1.24
*70777	14 28 29.79	−24 25 15.0	9.62	H	217.124 116 99	−24.420 844 28	−0.77	−10.40	1.15	1.16	1.13	1.48	1.38	1.28	−45	− 2	−33	− 9	+13	− 1	+22	−51	+33	−20	0	−1.11
70778	14 28 30.81	−50 36 14.0	10.23	H	217.128 383 63	−50.603 896 05	10.12	− 7.21	26.70	1.29	1.02	1.96	1.60	1.67	−25	−26	+ 1	− 2	+10	−14	+10	−22	+18	− 8	2	1.67
70779	14 28 31.06	+38 15 41.4	9.89	H	217.129 404 07	+38.261 507 88	3.79	−22.35	− 4.07	0.89	1.01	1.47	1.10	1.05	+ 4	+18	−14	+ 7	− 5	+ 6	− 7	+ 7	−18	−12	0	−0.55
70780	14 28 31.16	−58 08 29.2	8.89	G	217.129 848 53	−58.141 452 31	0.40	− 1.81	− 0.60	0.82	0.75	1.22	0.96	0.84	+25	−37	− 5	+21	+ 3	−19	+ 0	+32	+ 1	+43	0	0.79
*70781	14 28 31.38	+28 17 22.1	7.62	G	217.130 740 78	+28.289 468 55 B	0.26	16.26	− 8.24	4.25	5.21	3.37	3.10	3.17	−26	− 1	− 6	−13	− 1	− 8	+ 5	+16	+ 3	−39	1	0.22
*70782	14 28 31.25	+02 47 19.3	7.02	H	217.130 214 69	+02.788 706 15	24.65	−196.98	52.38	0.89	0.67	1.00	0.98	0.81	−32	−35	+ 3	+ 6	−46	− 4	−45	+32	+17	−47	0	−0.97
70783	14 28 31.82	+73 03 18.4	8.62	H	217.132 588 33	+73.055 106 99 A	−1.32	13.96	− 8.17	1.84	2.01	1.64	1.92	2.24	− 6	−11	−27	+12	− 6	− 2	− 5	+20	+ 3	−24	6	2.82
70784	14 28 31.99	−10 00 15.2	6.61	H	217.133 293 21	−10.004 231 45	4.05	−58.82	−23.03	0.83	0.56	0.90	1.01	0.76	−22	−23	−15	+35	− 6	+ 8	− 9	− 9	+16	−27	0	2.72
70785	14 28 32.22	+10 19 34.0	7.85	H	217.134 261 98	+10.326 120 27	4.26	−44.13	−35.81	0.95	0.72	1.17	1.15	0.71	+17	−35	−37	−39	−39	+44	−27	− 7	+ 5	+12	0	0.77
70786	14 28 33.28	+28 17 25.9	7.12	H	217.138 681 47	+28.290 539 45 A	3.79	15.18	− 4.81	1.50	1.57	1.67	1.57	1.50	−27	− 2	+ 0	−17	+ 1	− 9	+ 6	+16	+ 5	−41	1	0.22
70787	14 28 33.46	−21 59 38.4	8.56	H	217.139 399 71	−21.994 000 69	3.78	−13.93	− 2.79	1.06	0.86	1.35	1.26	1.23	−42	−30	− 4	+ 9	+ 3	−20	− 8	−20	+40	−43	0	−0.71
70788	14 28 34.47	−27 55 10.6	7.65	H	217.143 641 01	−27.919 619 59	2.42	−17.34	−10.42	0.79	0.57	0.94	1.02	0.72	−21	− 8	− 3	−13	−18	+11	−16	−18	−13	− 9	0	0.41
70789	14 28 34.79	−35 00 52.6	8.67	H	217.144 942 34	−35.014 603 71	1.92	−10.15	− 8.03	1.13	0.76	1.43	1.24	1.07	− 4	−24	−29	+32	+24	− 2	− 2	−55	+34	−36	4	−0.79
70790	14 28 35.50	−22 16 05.6	8.23	G	217.147 935 90	−22.268 211 35	9.43	−52.28	−16.89	0.85	0.70	1.11	1.02	1.02	−42	−22	−15	+10	+ 6	−17	− 4	−29	+44	−41	0	0.95
70791	14 28 38.09	+49 50 41.9	5.58	H	217.158 700 08	+49.844 964 18	10.59	−304.53	−46.36	0.44	0.50	0.61	0.48	0.54	+13	− 6	−29	− 2	− 9	+ 9	−15	−32	+17	−15	0	0.38
70792	14 28 38.14	+44 23 52.1	9.74	G	217.158 925 76	+44.397 816 86	19.72	−144.85	220.30	0.90	0.93	1.26	1.15	1.05	+12	−15	−26	+ 8	− 9	+ 8	− 9	− 4	+ 9	− 9	0	1.51
70793	14 28 40.65	+67 11 15.9	9.52	H	217.169 390 65	+67.187 746 38	5.06	22.94	−21.71	0.75	0.92	0.96	0.78	1.22	− 1	+ 2	−28	−19	+ 4	−17	+ 1	− 3	+23	−12	0	−0.55
*70794	14 28 41.73	−06 54 01.5	5.42	H	217.173 877 90	−06.900 414 01	6.81	−14.02	−50.30	0.69	0.49	0.76	0.78	0.60	−13	−20	−21	+26	+ 0	+ 3	− 2	−16	+19	−14	2	0.42
*70795	14 28 41.66	−16 57 51.1	8.92	H	217.173 591 86	−16.964 196 74	5.82	−39.23	− 2.30	1.28	0.72	1.44	1.32	0.86	−20	−51	+ 2	+ 6	− 3	+ 3	−10	−26	+24	− 7	0	1.27
70796 H	14 28 41.78	−55 13 17.3	7.79	H	217.174 087 29	−55.221 479 36 *	4.73	19.80	−20.11	0.68	0.66	0.92	0.77	0.84	−13	−32	+ 7	+22	+14	− 7	+15	+ 1	+ 4	− 6	0	0.97
70797	14 28 42.88	−11 10 18.1	9.12	H	217.178 666 02	−11.171 688 05	6.24	− 2.60	18.17	1.17	0.78	1.25	1.39	1.09	−31	−21	−11	+33	− 5	− 9	−13	−15	+17	−40	0	0.35
70798	14 28 43.50	−59 11 51.1	6.46	H	217.181 267 18	−59.197 529 72	−0.23	− 6.58	− 7.72	0.57	0.47	0.73	0.82	0.58	+28	− 9	+ 4	+28	+11	− 5	+14	+21	+ 4	+55	0

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
70701	8.904	0.011	8.717	0.013		0.145	0.015	G	0.16	0.01	H	8.7571	0.0017	0.018	144		8.72	8.78		C			1							S
70702											T	11.7638	0.0744	0.522	53		10.78	12.15	0.41	P 1 A			1							G
70703	7.647	0.007	7.672	0.011		−0.022	0.002	G	0.00	0.00	H	7.6852	0.0008	0.010	110		7.67	7.70					1							S
70704	9.485	0.015	8.692	0.012		0.703	0.015	T	0.76	0.01	L	8.7374	0.0017	0.015	131		8.71	8.76		C			1							
70705	11.215	0.060	10.041	0.033		1.007	0.053	T	0.98	0.04	L	10.0862	0.0040	0.040	137		10.02	10.15		U			1							
70706	8.558	0.009	8.319	0.010		0.228	0.013	T	0.25	0.02	L	8.3549	0.0013	0.010	98		8.34	8.37		C			1							S
70707	9.231	0.022	8.653	0.021	*	0.543	0.022	T	0.62	0.02	L *	8.8032	0.0032	0.020	89	*	8.77	8.85		R	14277−4113	I 1	2 C D	AC	142	3.776	0.006	0.24	0.03	S D
70708	10.680	0.036	9.349	0.019		1.129	0.032	T	1.09	0.03	L	9.3849	0.0017	0.020	108		9.36	9.43					1							
70709	7.999	0.007	7.809	0.009	*	0.182	0.010	T	0.20	0.01	L *	7.8463	0.0017	0.022	134	*	7.81	7.88		U 2	14277+5820	H 1	2 C C	AB	109	0.612	0.027	4.02	0.14	S
70710	8.750	0.011	7.454	0.007		1.102	0.010	T	1.06	0.01	L	7.5108	0.0010	0.011	116		7.49	7.53		C			1							S
70711	9.258	0.014	8.745	0.013		0.482	0.017	T	0.55	0.02	L	8.7847	0.0015	0.014	135		8.75	8.82					1 S							S
70712	8.938	0.011	8.658	0.011	A	0.297	0.015	G	0.34	0.02	H *	8.6573	0.0017	0.017	157	*	8.63	8.69		D	14278+3257	I 1	2 C A	AB	357	3.100	0.022	2.96	0.11	S
70713	8.897	0.011	8.266	0.010		0.574	0.015	G	0.65	0.01	H	8.3327	0.0016	0.015	121		8.31	8.37		C			1							S
70714	7.142	0.006	6.686	0.006		0.425	0.006	G	0.49	0.01	H	6.7431	0.0007	0.006	105		6.73	6.75		C			1							S
70715						1.238	0.022	G	1.40	0.02	I	11.0363	0.0049	0.034	83		10.97	11.09		C			1							G
70716	7.128	0.006	6.993	0.006		0.122	0.008	T	0.14	0.01	L	7.0339	0.0010	0.008	98		7.02	7.05		C			1							S
70717	9.874	0.029	9.370	0.029	A	0.575	0.072	G	0.63	0.05	L *	9.3578	0.0031	0.020	58	*	9.33	9.40		D	14278+0007	I 1	2 C B	AB	197	5.815	0.028	2.73	0.12	
70718	8.904	0.014	7.588	0.009		1.118	0.013	T	1.08	0.01	L	7.6448	0.0009	0.007	96		7.63	7.66					1							S
70719	9.940	0.022	9.441	0.022		0.480	0.024	T	0.55	0.03	L	9.5200	0.0024	0.021	106		9.49	9.55					1							
70720	9.094	0.016	8.677	0.017		0.394	0.022	T	0.46	0.02	L	8.7037	0.0024	0.014	85		8.67	8.75		C			1							S
70721	9.887	0.031	9.613	0.037		0.261	0.045	T	0.29	0.06	L	9.6284	0.0025	0.020	65		9.59	9.67		C			1							
70722	11.624	0.095	10.725	0.061		0.799	0.084	T	0.83	0.06	L	10.8048	0.0040	0.037	158		10.74	10.87		C			1							G
70723	10.142	0.032	9.549	0.029		0.553	0.038	T	0.63	0.04	L	9.5974	0.0021	0.014	64		9.57	9.63					1							
70724	9.670	0.022	8.912	0.018		0.676	0.022	T	0.74	0.02	L	8.9889	0.0022	0.020	113		8.96	9.02		C			1							
70725	11.168	0.074	9.558	0.029		1.348	0.063	T	1.31	0.07	L	9.5299	0.0017	0.018	75		9.51	9.57					1							
70726	10.324	0.029	8.865	0.015		1.230	0.026	T	1.19	0.03	L	8.9138	0.0015	0.016	113		8.89	8.94		C			1							
70727	8.820	0.013	8.677	0.015		0.138	0.019	T	0.15	0.02	L	8.7193	0.0016	0.017	126		8.69	8.74		C			1							
70728	9.670	0.028	8.952	0.024	*	0.660	0.030	T	0.72	0.03	L *	9.0806	0.0022	0.020	101	*	9.05	9.11		D	14279+2123	I 1	2 C A	AB	236	4.724	0.005	0.26	0.02	
70729	9.961	0.029	9.279	0.025		0.630	0.032	T	0.70	0.03	L	9.3571	0.0019	0.018	70		9.32	9.38		C			1							
70730	10.113	0.031	9.995	0.044		0.247	0.005	G	0.28	0.01	H	10.0187	0.0034	0.037	124		9.96	10.08					1 S							D
70731	9.405	0.015	8.931	0.015		0.446	0.019	T	0.52	0.02	L	8.9795	0.0018	0.016	110		8.96	9.01		C			1							S
70732	10.795	0.051	8.796	0.017		1.693	0.044	T	2.12	0.10	O	8.6636	0.0028	0.023	112		8.62	8.70		U			1							
70733	10.101	0.033	9.833	0.040		0.267	0.005	G	0.30	0.01	H	9.9338	0.0037	0.044	126		9.85	9.98		U			1 S							D
70734	9.731	0.017	8.968	0.014		0.696	0.017	T	0.75	0.01	L	9.0347	0.0023	0.024	167		8.99	9.08					1 S							
70735	8.634	0.007	7.541	0.005		0.944	0.007	T	0.93	0.01	L	7.5983	0.0011	0.013	228		7.58	7.62					1							S
70736	8.432	0.008	7.754	0.009		0.641	0.015	G	0.71	0.01	H	7.8116	0.0011	0.011	108		7.79	7.83		C			1							S
70737	9.870	0.028	8.554	0.016		1.118	0.025	T	1.08	0.03	L	8.5850	0.0018	0.012	85		8.57	8.61		C			1							
70738	8.723	0.010	7.696	0.007		0.882	0.003	G	0.89	0.00	H	7.7599	0.0012	0.013	120		7.74	7.79					1							S
70739	9.695	0.023	9.050	0.020		0.573	0.020	G	0.65	0.02	H	9.1177	0.0017	0.014	93		9.09	9.14		C			1							
70740	9.709	0.019	8.705	0.014		0.910	0.015	G	0.91	0.01	H	8.7515	0.0016	0.014	106		8.72	8.79		C			1							
70741	8.886	0.022	8.316	0.020		0.533	0.026	T	0.61	0.03	L	8.3674	0.0015	0.012	49		8.35	8.39		C			1 X							S G
70742	9.667	0.018	8.466	0.012		1.028	0.017	T	1.00	0.01	L	8.5320	0.0019	0.020	115		8.50	8.57					1							S
70743	9.501	0.015	9.010	0.014		0.462	0.019	T	0.53	0.02	L	9.0739	0.0016	0.016	130		9.05	9.10					1							S
70744	9.422	0.018	8.097	0.011		1.125	0.017	T	1.09	0.02	L	8.1500	0.0016	0.013	116		8.13	8.17					1							S
70745	11.019	0.048	10.041	0.031		0.858	0.042	T	0.90	0.04	L	10.1152	0.0028	0.032	141		10.02	10.16					1							
70746	10.019	0.021	8.703	0.012		1.118	0.019	T	1.08	0.02	L	8.7675	0.0016	0.019	152		8.72	8.80					1							
70747	7.858	0.008	7.775	0.020		0.082	0.020	T	0.09	0.02	L	7.8077	0.0013	0.008	42		7.79	7.82		C			1							S
70748	10.966	0.049	9.849	0.029		0.962	0.044	T	0.95	0.04	L	9.9486	0.0029	0.026	118		9.91	9.99					1							
70749	9.201	0.011	8.135	0.007		0.924	0.010	T	0.92	0.01	L	8.1933	0.0014	0.015	166		8.17	8.22					1							S
70750	12.059	0.156	11.164	0.115		0.783	0.160	T	1.71	0.17	K	11.3504	0.0087	0.059	76		11.26	11.45					1							G
70751											T	11.9682	0.0657	0.451	53		11.26	12.39	0.48	P 1 A			1							G
70752	11.333	0.101	9.452	0.031		1.563	0.084	T	1.58	0.09	L	9.3372	0.0042	0.026	70		9.30	9.39		R			1							
70753	4.878	0.003	4.964	0.002		−0.074	0.003	T	−0.05	0.00	L	4.9519	0.0006	0.005	89		4.94	4.96			14281−2929	I 1	1							S
70754	9.327	0.015	9.436	0.020		−0.094	0.022	T	−0.08	0.03	L	9.4617	0.0017	0.018	108		9.43	9.49		D			1							
70755	5.681	0.004	4.913	0.003	A	0.693	0.013	G	0.73	0.02	A *	4.9445	0.0028	0.015	43	*	4.92	4.98		U 2	14282−0214	I 1	2 C B	AB	110	5.158	0.048	4.13	0.17	S
70756	11.238	0.066	9.927	0.034		1.125	0.015	G	1.09	0.02	H	9.9428	0.0021	0.020	74		9.90	10.00		C			1							
70757	10.483	0.040	9.132	0.021		1.145	0.035	T	1.11	0.03	L	9.1466	0.0022	0.019	96		9.11	9.18		R			1							
70758	9.634	0.021	8.920	0.018		0.620	0.015	G	0.69	0.01	H	9.0083	0.0021	0.021	117		8.97	9.05					1							
70759	9.985	0.019	8.602	0.011		1.170	0.017	T	1.13	0.01	L	8.6500	0.0016	0.015	140		8.62	8.68		C			1							
70760	8.284	0.010	7.502	0.008		0.710	0.010	T	0.76	0.01	L	7.5726	0.0010	0.010	124		7.56	7.59		C			1							S
70761	8.893	0.015	8.011	0.012		0.800	0.015	G	0.83	0.01	H	8.0637	0.0011	0.010	77		8.04	8.09					1							S
70762	7.726	0.005	6.338	0.003		1.174	0.005	T	1.14	0.01	L	6.3836	0.0005	0.008	224		6.37	6.40					1							S
70763	9.789	0.020	8.808	0.014		0.860	0.018	T	0.87	0.01	L	8.8761	0.0011	0.016	113		8.85	8.90					1							
70764	9.432	0.017	8.893	0.016		0.505	0.021	T	0.58	0.02	L	8.9388	0.0019	0.017	128		8.91	8.97					1							S
70765	8.042	0.010	7.966	0.015		0.068	0.016	T	0.08	0.02	L	7.9888	0.0015	0.013	68		7.97	8.01		C			1							S
70766	9.770	0.026	9.518	0.030		0.240	0.037	T	0.27	0.05	L	9.5501	0.0021	0.017	73		9.51	9.59		C			1							
70767	10.919	0.044	9.971	0.031		0.753	0.002	G	0.80	0.00	H	10.0139	0.0023	0.025	169		9.97	10.05		C			1							G
70768	8.462	0.011	7.973	0.014	A	0.506	0.400	G	0.48	0.03	L *	8.0009	0.0010	0.012	80	*	7.98	8.02		D	14284−2301	I 1	2 C A	AB	324	4.325	0.019	3.17	0.07	S
70769	10.052	0.023	8.330	0.011		1.465	0.021	T	2.75	0.04	O	8.0474	0.0085	0.054	102		7.98	8.13		U 2			1 S							P
70770	11.008	0.069	10.561	0.073		0.494	0.072	G	0.57	0.08	R	10.6427	0.0035	0.028	99		10.59	10.69		C			1							G
70771	10.275	0.040	9.928	0.045	B	0.329	0.056	T	0.38	0.08	L	10.0954	0.0496			B				D	14285+7303	I 2	1 C I A							
70772	9.536	0.019	7.586	0.008		1.653	0.017	T	2.27	0.06	O	7.4205	0.0088	0.068	77		7.36	7.57		U 2			1 S							S
70773	9.146	0.009	8.467	0.008		0.617	0.009	T	0.69	0.01	L	8.5332	0.0016	0.023	254		8.49	8.57					1							
70774	10.043	0.040	9.467	0.037		0.541	0.040	T	0.61	0.04	L	9.4781	0.0024	0.016	67		9.45	9.50		C			1							
70775	9.210	0.013	8.066	0.009		0.983	0.012	T	0.96	0.01	L	8.1087	0.0014	0.014	137		8.09	8.13		C			1							S
70776	8.414	0.011	7.871	0.010		0.516	0.011	T	0.59	0.01	L	7.9369	0.0010	0.008	82		7.92	7.95		C			1							S
70777	11.759	0.118	9.780	0.033		1.641	0.097	T	1.66	0.10	L	9.7319	0.0027	0.023	78		9.69	9.76		C			1							
70778	11.267	0.065	10.223	0.040		0.897	0.060	T	0.90	0.04	L	10.3749	0.0035	0.033	143		10.32	10.43		C			1							G
70779	11.093	0.052	9.971	0.029		0.966	0.046	T	0.95	0.04	L	10.0540	0.0028	0.030	147		10.00	10.11		C			1							
70780	10.481	0.030	9.072	0.016		1.280	0.015	G	1.24	0.02	H	9.0379	0.0021	0.019	130		9.01	9.07		C			1							
70781	7.619	0.007	7.584	0.008	B	0.000	0.015	G	0.02	0.01	H	7.6501	0.0144			B				D	14285+2817	I 2	1 C I D							S D
70782	7.662	0.009	7.073	0.006		0.549	0.008	G	0.62	0.01	H	7.1368	0.0009	0.010	87		7.12	7.17					1							S
70783	8.795	0.025	8.585	0.029	A	0.201	0.036	T	0.22	0.04	L	8.6883	0.0173	0.060	124	A	8.58	8.76		D	14285+7303	I 2	1 C P A							S
70784	8.444	0.015	6.759	0.005		1.408	0.012	T	1.39	0.01	L	6.7511	0.0012	0.008	78		6.74	6.77					1							S
70785	9.352	0.021	7.954	0.012		1.182	0.019	T	1.14	0.02	L	8.0105	0.0020	0.010	63		7.99	8.02					1							S
70786	7.087	0.006	7.095	0.006	A	−0.006	0.007	T	0.01	0.01	L	7.1307	0.0106	0.030	131	A	6.97	7.16		D	14285+2817	I 2	1 C P D							S D
70787	10.071	0.025	8.681	0.014		1.176	0.022	T	1.14	0.02	L	8.7266	0.0021	0.016	90		8.70	8.75					1							
70788	9.596	0.024	7.822	0.011		1.478	0.021	T	1.49	0.03	L	7.7805	0.0011	0.010	81		7.76	7.80					1							S
70789	9.207	0.013	8.705	0.013		0.483	0.014	T	0.55	0.01	L	8.7782	0.0017	0.015	105		8.75	8.80		C			1							
70790	8.608	0.011	8.269	0.012		0.337	0.015	G	0.39	0.02	H	8.2983	0.0014	0.012	102		8.27	8.32					1							S
70791	6.664	0.004	5.677	0.003		0.864	0.004	T	0.88	0.00	L	5.7362	0.0005	0.005	120		5.73	5.74		C			1							S
70792	10.832	0.045	9.790	0.030		0.870	0.015	G	0.91	0.01	H	9.8671	0.0034	0.027	119		9.83	9.93					1							
70793	9.971	0.025	9.521	0.025		0.424	0.032	T	0.49	0.03	L	9.6180	0.0020	0.023	111		9.59	9.67		C			1							
70794	7.364	0.007	5.593	0.004		1.490	0.000	G	1.45	0.01	L	5.5525	0.0009	0.007	75		5.54	5.56					1							S
70795	9.385	0.019	8.981	0.019		0.382	0.025	T	0.45	0.03	L	9.0103	0.0020	0.016	71		8.98	9.04		C			1							S
70796	8.074	0.008	7.823	0.009	*	0.239	0.011	T	0.27	0.01	L *	7.8575	0.0015	0.015	118	*	7.83	7.88		D	14287−5513	H 1	2 C S B	AB	346	0.154	0.025	1.77	0.69	S
70797	9.727	0.023	9.178	0.022		0.504	0.020	G	0.58	0.02	H	9.2307	0.0024	0.022	86		9.20	9.27		C			1							
70798	6.599	0.004	6.485	0.004		0.111	0.005	T	0.12	0.01	L	6.5059	0.0007	0.007	125		6.49	6.52					1							S
70799	10.097	0.019	9.415	0.016		0.619	0.019	T	0.69	0.02	L	9.5050	0.0024	0.026	169		9.46	9.55		C			1							
70800	8.716	0.012	6.890	0.006		1.551	0.011	T	2.40	0.04	O	6.6993	0.0058	0.039	93		6.64	6.75		U 2			1 S							S

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%) δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	$\mu_{\alpha*}$ μ_δ	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
70801	14 28 46.17	−17 04 32.2	8.76	H	217.192 362 31	−17.075 614 67	4.14	1.07	3.89	1.20	0.70	1.33	1.28	0.84	−22	−40	+ 7	+16	− 5	− 9	−10	−19	+23	−13	0	0.90
70802	14 28 48.17	−05 13 07.6	6.60	H	217.200 689 91	−05.218 763 95	7.33	−21.40	30.77	0.77	0.57	0.82	0.84	0.67	−13	−17	−22	+30	−10	+12	− 7	+ 8	− 3	−19	0	−1.18
70803	14 28 48.44	−41 14 06.5	9.93	H	217.201 849 06	−41.235 147 01	2.08	−11.95	−15.19	1.34	1.22	1.75	1.69	1.84	−30	− 5	+ 2	− 6	+ 9	−13	+10	−23	− 6	−26	0	0.52
70804	14 28 49.23	−71 35 25.0	7.59	H	217.205 107 31	−71.590 268 52	3.54	−8.67	16.75	0.51	0.56	0.72	0.62	0.67	+20	−10	+ 0	+22	+17	− 9	+16	+28	+ 7	+29	0	0.75
70805	14 28 49.40	+38 59 41.3	9.16	H	217.205 829 13	+38.994 793 67	16.56	129.21	−71.31	0.73	0.86	1.11	0.89	0.93	+12	+ 2	−20	+ 9	+ 6	− 3	+ 6	+24	− 9	+ 3	0	1.75
70806	14 28 49.92	+04 25 17.1	10.23	H	217.207 985 08	+04.421 408 86	4.64	19.51	−25.97	1.63	1.18	1.85	1.78	1.36	− 5	−21	−19	−30	−41	+23	−34	+ 2	− 1	−32	0	1.29
70807	14 28 50.60	+77 20 35.9	9.34	H	217.210 815 69	+77.343 295 68	1.84	−56.62	30.51	0.66	0.72	0.77	0.68	0.75	+ 1	− 6	−15	− 9	−14	+11	− 8	+16	−10	−16	2	1.93
70808 H	14 28 50.88	−60 32 25.1	8.60	1 G	217.211 999 51	−60.540 301 40 A	3.65	−6.17	−4.30	1.95	1.48	2.09	1.78	1.66	− 1	−20	+11	+13	+ 0	− 9	− 7	+ 9	+16	+27	13	1.16
70809	14 28 51.93	−47 59 31.3	6.40	H	217.216 362 57	−47.992 039 07	6.64	−22.53	−19.20	0.50	0.44	0.73	0.57	0.62	−11	−19	− 3	+ 0	+ 6	−28	+ 6	−18	+ 0	−14	0	0.42
70810	14 28 52.10	+09 10 09.2	7.92	H	217.217 088 99	+09.169 228 05	5.35	−38.36	−29.92	0.95	0.94	1.39	1.02	0.91	−16	−12	−53	−26	+ 9	−11	+ 0	−40	+29	−39	0	1.28
70811	14 28 52.96	+01 37 58.7	8.22	H	217.220 650 32	+01.632 959 13	5.57	−6.65	1.25	1.01	0.81	1.28	1.18	1.03	−31	−30	−25	+34	−17	−25	−33	+13	+30	−51	0	−0.29
70812	14 28 54.56	+67 21 24.0	9.00	H	217.227 336 34	+67.356 675 03	3.57	−23.85	3.61	0.66	0.78	0.82	0.66	0.98	− 1	+ 1	−26	−16	+ 5	−12	+ 4	− 4	+12	−10	0	−0.56
70813	14 28 55.26	+39 37 07.2	7.49	H	217.230 252 45	+39.618 667 12	3.81	−14.71	18.25	0.49	0.57	0.73	0.57	0.59	+ 4	+ 3	−25	− 4	+15	− 4	+15	+16	− 1	− 3	0	0.56
70814	14 28 55.59	+47 09 01.7	8.15	H	217.231 627 66	+47.150 484 94	7.14	−47.89	34.66	0.59	0.64	0.74	0.64	0.67	+25	+ 7	−13	−36	−18	− 6	−19	−43	+ 5	+15	0	−0.23
70815	14 28 56.19	−13 45 56.6	9.20	H	217.234 106 24	−13.765 710 33	0.40	−14.81	−14.86	1.44	0.80	1.42	1.73	1.10	−31	−22	−10	+56	−17	+ 8	−22	−17	+29	−31	0	−0.11
70816	14 28 56.46	+03 43 10.4	6.84	2 H	217.235 246 62	+03.719 563 71	1.80	−1.75	17.74	0.79	0.59	0.91	0.89	0.68	−25	−10	− 8	−10	−44	+15	−40	+18	+ 1	−40	0	−0.13
70817	14 28 57.38	+01 03 21.5	8.65	H	217.239 074 52	+01.055 968 98	3.23	−20.58	−27.90	1.29	1.05	1.79	1.68	1.45	−28	−24	−39	+35	+ 5	−35	−23	−19	+49	−57	0	1.25
70818	14 28 57.58	+20 46 03.5	7.30	1 H	217.239 895 87	+20.767 640 06	4.70	−53.18	42.05	0.62	0.63	0.86	0.78	0.68	−13	− 7	−28	+22	+ 0	− 1	+ 0	+29	−12	−19	2	0.65
70819	14 28 58.02	+60 23 11.1	7.53	H	217.241 731 43	+60.386 404 46	7.70	−12.59	2.62	0.48	0.50	0.56	0.54	0.55	+ 9	−13	−16	− 6	− 1	+ 1	+ 0	+ 3	− 8	+ 1	0	1.61
70820	14 28 59.42	+09 33 03.6	8.62	H	217.247 592 92	+09.550 993 58	7.15	3.91	−20.19	1.05	0.93	1.29	1.08	0.91	−28	−13	−25	−34	+ 4	+ 7	+ 6	−28	+ 2	−34	0	0.76
70821	14 28 59.51	−64 07 03.6	8.79	H	217.247 974 93	−64.117 680 27	4.68	−28.73	21.96	0.72	0.91	1.26	0.91	1.16	+27	−13	−11	+30	+17	− 7	+26	+ 4	− 9	+55	2	−0.16
70822	14 28 59.80	−48 41 48.8	8.75	H	217.249 153 45	−48.696 891 83	6.38	−16.68	−23.13	0.68	0.58	1.20	1.01	1.01	−30	+ 2	− 1	+ 9	+12	−14	+19	−19	+19	−13	0	−0.24
70823 H	14 29 00.52	+53 40 50.4	8.58	H	217.252 182 71	+53.680 669 28 A	11.97	−64.42	15.28	0.84	0.84	0.92	0.86	0.95	+17	−14	−13	− 6	− 4	− 5	+ 0	+ 2	+ 1	+ 4	2	−0.48
70824	14 29 00.55	−56 08 12.7	6.90	H	217.252 298 44	−56.136 850 46	1.29	−9.56	−2.15	0.54	0.52	0.75	0.54	0.65	−12	−45	− 5	+12	+ 6	− 6	+ 6	+16	+ 0	−13	0	−0.05
*70825	14 29 01.26	+75 45 57.9	8.14	H	217.255 256 31	+75.766 086 82	3.21	24.54	−15.94	0.54	0.56	0.61	0.63	0.63	+ 0	+ 2	− 4	−13	− 3	− 6	− 3	+ 3	−12	+ 2	0	0.55
*70826	14 29 01.25	+12 07 19.7	8.43	2 H	217.255 187 79	+12.122 133 50	9.75	−107.92	64.34	0.90	0.98	1.28	1.06	0.99	−20	−21	−44	− 7	−44	+37	−29	+31	−11	−41	0	−1.52
70827	14 29 02.35	−45 08 50.3	8.28	H	217.259 773 73	−45.147 295 53	0.98	3.98	−0.24	0.96	0.62	1.16	1.13	0.88	+ 0	−34	− 8	−15	− 4	−14	−10	−19	+13	+ 8	2	0.19
70828	14 29 02.82	+11 02 34.1	7.60	H	217.261 766 71	+11.042 809 70	2.28	4.76	−21.06	0.96	0.72	1.12	1.07	0.71	+ 6	−18	−29	−40	−41	+35	−31	+ 5	−10	− 3	3	1.97
70829	14 29 03.48	−46 44 29.4	8.93	G	217.264 512 79	−46.741 489 96	19.47	−266.87	151.49	0.91	0.69	1.30	1.41	1.11	−12	− 3	− 1	+40	+13	−14	+24	−17	+ 5	+ 8	0	1.47
70830	14 29 04.66	+69 16 46.4	8.44	H	217.269 421 62	+69.279 552 37	2.59	−25.39	12.70	0.61	0.72	0.75	0.58	0.80	+ 0	−24	−25	+ 5	−11	− 2	−16	+ 3	+ 7	− 9	0	−0.95
70831	14 29 05.75	+09 02 49.7	8.57	H	217.273 977 24	+09.047 145 33	21.45	28.25	−108.05	1.12	1.09	1.61	1.20	1.03	−18	−11	−52	−22	+14	−11	+ 5	−45	+31	−36	0	−0.25
70832	14 29 06.38	−60 38 47.3	8.76	2 H	217.276 567 90	−60.646 458 63	1.49	−0.55	−0.20	0.93	0.81	1.26	1.02	0.97	+17	−32	−13	+12	− 3	− 6	− 5	+18	+ 0	+25	0	1.43
70833	14 29 07.17	−43 21 42.6	8.82	H	217.279 894 19	−43.361 842 96	8.05	−28.79	−20.59	1.02	0.81	1.38	1.05	1.05	−11	−45	− 1	− 6	+ 8	+ 2	− 2	−32	+12	−18	0	0.68
70834	14 29 08.09	+58 53 22.0	10.38	H	217.283 708 05	+58.889 450 81	1.02	−30.87	−6.64	0.96	0.93	1.07	1.05	1.01	+14	−13	−22	−26	− 3	+10	+ 0	−14	+ 3	+ 5	0	−0.69
70835	14 29 09.03	+29 32 19.2	9.54	H	217.287 621 05	+29.538 654 87	4.17	1.72	−34.98	0.87	0.85	1.24	0.98	0.92	−15	− 5	−21	−29	− 6	+24	+ 5	+16	−39	−32	0	−0.97
70836 H	14 29 09.14	+38 16 41.8	9.17	G	217.288 082 90	+38.278 266 70 A	27.40	185.23	−246.38	1.64	2.02	2.62	1.91	2.16	+ 9	+14	−37	−11	+ 2	+ 0	+ 2	+22	−26	+ 2	2	1.58
70837	14 29 09.59	−77 10 01.3	9.02	2 H	217.289 944 03	−77.167 033 41	7.66	22.77	40.83	0.72	0.80	0.98	0.79	0.92	+17	− 7	+ 5	+ 5	+15	− 1	+13	+15	+12	+28	0	0.70
70838	14 29 09.70	−04 56 10.4	8.41	G	217.290 403 24	−04.936 229 21	5.68	−4.41	−9.37	1.08	0.71	1.08	1.11	0.86	−12	−32	−10	+39	− 9	+ 8	− 9	+12	+ 0	−22	0	−0.86
70839	14 29 09.86	−29 06 48.7	7.10	H	217.291 066 25	−29.113 538 61	17.69	−1.44	14.31	0.91	0.56	0.91	1.10	0.68	− 4	− 8	− 6	+11	−20	+18	−18	− 3	−18	− 4	0	0.44
70840	14 29 10.25	−50 11 20.3	10.34	2 H	217.292 715 45	−50.188 978 53	5.20	−55.17	−18.42	1.33	1.15	2.25	1.91	2.04	−27	−13	− 7	−12	+10	−32	+ 6	−26	+27	−19	0	−0.45
70841	14 29 12.53	+47 59 22.5	7.76	H	217.302 194 80	+47.989 571 72	3.60	−81.32	47.64	0.58	0.65	0.80	0.68	0.66	+13	−18	−22	− 3	−24	+17	−22	−18	− 4	−15	1	0.72
70842	14 29 12.59	+57 10 01.2	8.65	H	217.302 479 02	+57.166 995 27	7.39	−46.00	29.79	0.62	0.58	0.69	0.68	0.63	+11	− 4	− 4	−20	−10	+ 0	− 6	+ 2	−12	− 5	0	0.54
70843	14 29 13.42	+17 31 56.4	10.52	H	217.305 926 91	+17.532 337 89	8.72	−31.80	−10.89	1.20	1.25	1.76	1.28	1.31	−43	− 1	−20	+17	+ 1	− 5	+ 0	+17	−22	−53	4	1.53
70844	14 29 15.04	+44 15 43.6	6.52	H	217.312 678 45	+44.262 121 43	4.71	−36.34	8.05	0.51	0.51	0.70	0.63	0.59	+18	−19	−25	− 6	− 7	+10	− 7	− 8	+12	+ 2	0	−1.66
70845 H	14 29 16.28	+00 18 17.4	10.93	H	217.317 821 82	+00.304 821 51 A	13.25	81.95	−61.34	10.34	7.40	7.56	8.20	5.15	−28	−12	−10	+ 4	− 9	+ 0	−11	− 6	+16	+ 0	1	−0.52
70846	14 29 16.50	+32 16 41.8	9.41	H	217.318 740 62	+32.278 271 73	6.84	22.23	−21.05	0.73	0.92	1.30	1.16	1.16	− 5	+ 0	− 6	+ 7	− 9	− 6	−12	− 8	+ 1	−38	0	1.78
70847	14 29 17.35	−79 44 50.3	9.05	H	217.322 310 24	−79.747 297 56 A	10.09	88.31	68.97	2.13	2.01	1.97	2.06	2.05	+ 7	−14	+13	− 7	+ 4	− 8	+ 7	− 1	+ 3	+14	4	1.20
*70848	14 29 18.64	+43 39 24.4	9.36	H	217.327 682 52	+43.656 769 85	2.44	11.42	−3.04	0.71	0.77	1.01	0.85	0.84	+ 7	− 3	−21	+16	+ 0	− 4	− 2	+ 8	+ 7	−10	0	−0.07
*70849	14 29 18.60	−46 27 48.0	10.36	G	217.327 510 69	−46.463 322 89	41.71	−46.68	−202.92	1.48	1.12	2.02	2.00	1.80	− 4	−20	+ 7	+11	+ 5	− 4	+ 9	−29	+ 0	+ 3	0	0.78
70850	14 29 18.78	−52 53 40.6	8.56	H	217.328 269 05	−52.894 618 44	0.87	−10.08	−7.24	0.70	0.60	1.04	0.89	0.93	−14	−24	+ 2	+17	+ 6	−12	+ 8	− 9	+15	+ 1	1	−0.20
70851	14 29 18.99	+31 00 36.2	8.14	H	217.329 144 88	+31.010 069 03	8.83	−55.15	5.32	0.68	0.58	0.97	0.98	0.75	+17	+10	−13	+14	− 6	− 6	−12	+ 7	−13	−38	0	−0.65
70852	14 29 20.12	−45 17 40.5	10.22	H	217.333 839 31	−45.294 570 35	1.87	−16.83	−10.90	1.76	1.05	2.18	1.92	1.58	− 3	−34	− 2	− 9	− 2	−28	− 5	−27	+ 9	+ 3	0	1.33
70853	14 29 20.45	−65 33 00.0	8.35	H	217.335 198 32	−65.550 000 60	15.51	21.91	59.12	0.49	0.72	1.00	0.62	0.95	+49	−14	− 8	− 6	+ 8	+ 0	+ 7	+ 9	− 2	+56	0	1.77
70854 H	14 29 20.66	+13 17 38.2	9.10	H	217.336 065 84	+13.293 954 15 *	1.82	22.24	−12.39	2.09	1.65	1.82	1.57	1.26	+ 2	−23	−37	−14	−21	+26	−13	− 6	+10	−20	3	−0.13
*70855	14 29 21.94	+15 54 46.9	9.64	H	217.341 434 10	+15.913 021 16	6.52	13.93	−19.64	1.44	1.20	1.91	1.77	1.29	−36	−15	−24	+50	+ 6	−25	−10	+34	−13	−59	1	0.37
*70856	14 29 21.93	−62 03 28.6	8.57	H	217.341 357 54	−62.057 937 21	3.38	−13.87	−10.02	0.77	0.80	1.02	0.85	0.88	+17	−27	−18	+19	+ 0	− 2	+ 3	+45	−15	+15	0	−0.55
70857	14 29 22.57	+80 48 36.6	6.88	H	217.344 037 47	+80.810 175 68 +	51.04	−73.73	−132.93	2.21	1.51	0.58	0.65	0.59	+20	+ 9	−12	−53	+11	+ 2	+ 2	−34	+ 0	−25	0	−0.58
70858	14 29 23.09	−79 44 57.9	11.29	H	217.346 223 21	−79.749 424 78 B	3.42	32.42	14.15	30.80	30.33	12.14	21.27	20.84	+ 5	−17	+12	− 6	+ 7	−13	+12	− 3	+ 1	+12	4	1.20
70859	14 29 23.37	−50 06 31.2	7.29	1 H	217.347 390 06	−50.108 658 61	4.41	−8.27	20.27	0.58	0.54	0.92	0.71	0.85	−23	−21	−12	− 4	+15	−30	+10	−29	+18	−26	0	0.39
70860	14 29 24.71	−80 20 43.8	8.05	H	217.352 954 09	−80.345 487 08	3.39	−15.76	−1.87	0.67	0.63	0.81	0.69	0.73	+ 2	−22	+ 3	− 9	+ 7	+ 3	+ 6	+ 4	+ 8	− 2	0	0.81
70861 H	14 29 26.21	−80 06 12.1	7.56	H	217.359 199 43	−80.103 361 46 A	13.52	−45.22	6.51	1.41	1.35	1.39	1.19	1.23	−11	−19	+21	−25	+10	−12	+13	−11	− 1	− 4	2	1.05
70862	14 29 27.85	+26 35 49.4	9.34	H	217.366 054 99	+26.597 046 29	1.75	4.45	−1.32	0.98	0.91	1.39	0.89	0.93	− 6	−18	−35	−49	−25	+35	− 2	+ 4	−25	−48	2	1.18
70863	14 29 27.94	+30 40 46.7	7.79	H	217.366 433 12	+30.679 638 30	9.77	−87.40	48.30	0.63	0.55	0.93	0.93	0.70	+14	− 1	− 9	+10	−12	−11	−10	+14	−15	−35	2	1.11
70864	14 29 30.12	−18 41 53.3	9.16	H	217.375 513 07	−18.698 128 69	0.56	8.49	2.07	1.24	0.86	1.40	1.38	1.03	−13	−24	−10	+13	− 6	+11	−10	−14	+30	− 2	0	1.52
70865	14 29 30.34	+15 31 46.1	10.67	G	217.376 400 41	+15.529 481 03	70.06	−1053.37	1300.01	1.59	1.41	2.25	1.88	1.56	−42	−20	−10	+31	+10	−14	+ 6	+19	−29	−55	0	−0.91
70866	14 29 31.14	−26 00 48.1	6.88	H	217.379 752 83	−26.013 350 47	1.69	−17.56	2.40	0.78	0.66	0.99	0.81	0.78	−42	−33	−14	+ 5	− 4	+12	− 2	−13	+ 4	−44	0	−1.04
70867	14 29 31.32	−10 34 00.0	7.85	H	217.380 495 66	−10.566 661 50	4.93	−31.38	10.69	0.92	0.61	1.03	1.22	0.81	−33	−28	− 2	+27	− 6	− 7	− 8	−25	+29	−24	0	0.12
70868 H	14 29 32.70	−37 02 22.0	7.84	G	217.386 254 98	−37.039 455 17 *	14.79	−116.83	−33.14	0.85	0.60	1.10	0.87	0.77	− 1	−13	−28	−18	+10	−17	− 4	−57	+37	−20	0	2.82
70869 H	14 29 32.75	+36 12 26.0	8.98	H	217.386 470 69	+36.207 213 41 *	5.45	−38.19	2.90	0.58	0.87	1.14	0.62	0.89	+35	+ 2	+ 6	+16	− 8	−14	− 5	+25	−12	+33	0	1.31
70870	14 29 33.25	−60 47 28.0	9.77	G	217.388 522 23	−60.791 111 70	−0.78	−2.53	−4.36	1.17	1.02	1.60	1.33	1.24	+11	−29	− 1	+10	− 4	−10	− 7	+20	+ 2	+27	0	2.04
70871	14 29 33.66	−70 14 18.3	8.45	H	217.390 261 93	−70.238 427 65	1.21	−8.36	−5.29	0.64	0.67	0.97	0.80	0.82	+20	− 4	− 5	− 9	+ 6	−28	+ 1	+12	−10	+39	1	−1.21
70872	14 29 36.10	−70 47 30.8	9.60	H	217.400 432 41	−70.791 883 04	4.67	−23.94	−4.03	0.91	0.90	1.29	1.14	1.15	+25	−10	− 4	+ 2	+ 5	−19	+ 2	+15	− 6	+43	0	−0.51
70873	14 29 36.68	+41 47 47.2	6.36	H	217.402 843 92	+41.796 448 04	42.43	161.06	−220.92	0.39	0.44	0.59	0.46	0.46	+11	+ 4	−23	+ 8	− 4	+ 0	− 4	+28	−17	+11	1	0.89
70874	14 29 37.07	−76 43 44.5	6.06	H	217.404 475 58	−76.729 013 96	6.25	−27.54	−28.27	0.42	0.45	0.55	0.45	0.53	+18	−14	+ 3	+10	+17	− 3	+16	+16	+ 7	+28	2	0.89
70875	14 29 38.07	−66 24 42.0	8.99	2 H	217.408 617 50	−66.411 665 15	5.88	−48.03	−32.54	0.64	0.80	1.21	0.71	0.92	+31	−15	− 4	+ 6	+15	−21	+16	+ 7	− 9	+37	0	−1.49
70876	14 29 38.61	+19 00 09.0	9.40	2 H	217.410 895 42	+19.002 513 49	3.08	2.68	−3.50	0.90	0.88	1.31	0.97	0.93	−35	+ 5	−29	+24	− 3	− 4	− 6	+21	−29	−42	2	2.96
70877	14 29 39.07	−70 07 20.1	10.08	G	217.412 811 83	−70.122 257 00	0.31	−7.81	−6.24	1.59	1.67	2.36	1.81	1.94	+24	−17	−16	−13	+ 0	−11	− 6	+ 2	+ 4	+36	0	
70878	14 29 41.23	−70 07 30.9	10.30	H																						
70879	14 29 42.36	−05 58 58.7	7.95	H	217.426 481 08	−05.982 984 86	1.64	−9.85	0.19	1.00	0.63	1.11	1.13	0.76	− 2	−34	−24	+23	−13	+26	− 9	+ 3	+ 7	− 6	0	2.05
70880	14 29 43.22	+35 28 04.8	10.22	2 H	217.430 102 04	+35.468 007 61	8.63	−102.79	−121.30	0.93	1.27	1.83	1.00	1.39	+25	−11	+ 2	− 2	− 1	−13	+ 2	+13	−19	+25	0	0.09
70881	14 29 43.40	+48 53 43.9	7.84	H	217.430 826 55	+48.895 517 12	4.25	−34.17	6.18	0.57	0.62	0.75	0.65	0.63	+18	−17	−26	− 5	−31	+ 9	−29	−12	+ 2	−14	1	1.32
70882	14 29 43.76	−50 42 41.3	9.31	T	217.432 315 33	−50.711 467 42	1.21	−6.99	−1.56	1.02	0.83	1.60	1.18	1.28	−10	−30	− 9	+12	+10	−30	+ 2	−28	+31	−12	1	1.28
70883	14 29 45.04	−34 46 07.8	8.88	H	217.437 654 45	−34.768 819 82	1.87	−8.55	−6.61	1.17	0.89	1.52	1.43	1.31	−22	− 2	−31	+20	+30	+ 1	+16	−66	+39	−39	0	−0.22
70884	14 29 45.24	+11 22 45.7	9.93	H	217.438 518 36	+11.379 350 27	3.80	−37.62	−8.62	1.40	1.15	1.82	1.67	1.18	− 3	− 9	−36	−30	−32	+25	−23	+ 2	+ 1	− 8	0	−0.43
70885	14 29 45.26	+38 51 40.8	8.38	3 H	217.438 567 80	+38.861 339 09 *	4.06	14.10	−19.77	0.57	0.70	0.93	0.69	0.73	+11	+ 6	−34	−10	+ 3	+ 0	+ 2	+ 0	− 4	+ 1	0	−0.03
*70886	14 29 46.36	+36 50 52.3	9.08	H	217.443 169 62	+36.847 854 11	12.49	5.49	27.06	0.74	0.89	1.33	0.84	0.98	+25	+26	− 2	− 2	−15	−10	−18	+14	−26	+18	0	0.40
*70887	14 29 46.32	+63 59 29.9	8.49	H	217.442 981 75	+63.991 636 00	2.53	−30.88	11.13	0.61	0.69	0.73	0.74	0.79	+17	− 7	−31	−11	−11	− 1	−11	− 4	− 1	+ 9	0	0.68
70888	14 29 46.58	−18 00 19.8	10.08	H	217.444 088 71	−18.005 503 94	3.15	−19.04	18.12	1.52	1.01	1.58	1.52	1.15	−12	−34	+ 3	+25	+ 3	+ 6	− 2	− 7	+18	− 7	0	−0.91
70889	14 29 47.20	−19 10 39.5	8.93	H	217.446 656 41	−19.177 640 00	10.93	−87.52	50.38	1.05	0.76	1.20	1.20	0.92	−15	−35	−14	+21	+ 0	+ 0	− 7	+ 3	+24	−10	0	2.40
70890	14 29 47.75	−62 40 52.9	11.01	2 G	217.448 947 51	−62.681 352 07	772.33	−3775.64	768.16	1.31	1.51	2.42	1.52	1.82	+24	−12	−21	+37	+11	− 5	+14	+15	+ 0	+36	1	−0.64
70891	14 29 49.52	+72 15 31.3	8.44	H	217.456 324 53	+72.258 702 82	2.84	3.51	−16.04	0.64	0.66	0.72	0.86	0.79	− 4	+ 2	−24	+18	− 3	+ 5	− 4	+ 9	+ 1	−22	0	−0.36
70892	14 29 49.68	+31 47 28.2	6.06	H	217.457 018 07	+31.791 171 20	9.35	−19.80	7.01	0.41	0.46	0.71	0.61	0.59	− 1	+12	− 3	+ 0	+ 0	−16	− 2	− 5	+ 9	−43	0	0.69
70893	14 29 49.95	−25 32 34.0	7.72	H	217.458 109 05	−25.542 788 26 A	4.16	0.64	−38.64	2.16	1.99	2.17	2.51	2.29	−41	− 4	−27	+13	−10	+31	+ 1	−25	+16	−27	3	0.42
70894	14 29 50.51	+00 49 44.1	5.96	H	217.460 456 55	+00.828 911 35	13.10	15.70	7.26	0.88	0.75	1.28	1.20	1.16	−31	−34	−30	+29	+ 6	−50	−29	−12	+55	−68	0	1.64
70895	14 29 50.73	−25 32 27.2	9.73	H	217.461 386 18	−25.540 896 24 B	5.88	0.20	−41.03	14.38	13.07	7.49	8.55	7.37	−45	− 7	−24	+13	− 4	+31	+ 7	−29	+11	−34	3	0.42
70896	14 29 51.28	−42 33 22.5	8.53	H	217.463 681 05	−42.556 256 18	2.99	−2.99	−4.69	1.11	0.69	1.20	1.58	1.13	+ 6	−13	− 3	−42	−14	−13	−17	−41	+ 2	+10	0	0.89
70897	14 29 51.54	−63 17 21.2	9.43	H	217.464 744 16	−63.289 225 98	10.20	−100.38	−34.57	0.73	0.96	1.45	0.90	1.19	+27	−17	−12	+41	+26	−19	+35	+15	−14	+56	1	0.87
70898 H	14 29 53.12	−42 31 05.0	8.32	G	217.471 322 47	−42.518 046 53 A	8.79	−33.14	−21.66	1.76	1.07	1.68	2.35	1.60	+ 5	−14	+ 5	−36	−23	−14	−30	−21	+ 5	+22	0	−0.48
70899	14 29 53.71	+16 12 31.7	7.52	H	217.473 809 35	+16.208 818 29	2.35	−42.87	−22.85	0.76	0.74

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
70801	9.496	0.022	8.813	0.019		0.631	0.024	T	0.70	0.02	L	8.8972	0.0018	0.013	66		8.87	8.92		C			1							S
70802	8.034	0.010	6.722	0.006		1.114	0.009	T	1.08	0.01	L	6.7686	0.0010	0.008	74		6.76	6.79		C			1							S
70803	10.350	0.032	9.933	0.033		0.408	0.038	T	0.47	0.04	L	10.0247	0.0041	0.028	86		9.95	10.07		C			1							G
70804	9.563	0.015	7.780	0.007		1.485	0.013	T	1.50	0.02	L	7.7220	0.0012	0.013	170		7.70	7.75					1							
70805	10.163	0.023	9.264	0.017		0.799	0.021	T	0.83	0.01	L	9.3129	0.0021	0.025	162		9.27	9.37		R			1							
70806	10.877	0.070	10.347	0.067		0.591	0.072	G	0.66	0.07	R	10.3619	0.0037	0.020	87		10.33	10.40		C			1							
70807	10.838	0.044	9.380	0.021		1.229	0.040	T	1.39	0.04	L	9.4551	0.0023	0.019	131		9.42	9.49					1							
70808	9.131	0.016	8.709	0.017	A	0.468	0.012	G	0.54	0.01	H *	8.7353	0.0028	0.028	121	*	8.70	8.79		U	14288−6032	I 1	2 C D	AB	230	1.530	0.065	3.40	0.42	D
70809	6.266	0.003	6.379	0.004		−0.112	0.005	G	−0.10	0.00	A	6.3666	0.0008	0.007	143		6.35	6.38					1							S
70810	9.360	0.020	8.025	0.012		1.132	0.018	T	1.10	0.02	L	8.0890	0.0016	0.013	69		8.07	8.12					1							S
70811	8.179	0.011	8.208	0.014		−0.022	0.016	T	0.00	0.02	L	8.2175	0.0009	0.010	60		8.20	8.23		D			1							S
70812	9.303	0.016	9.032	0.018		0.258	0.023	T	0.29	0.03	L	9.0711	0.0017	0.019	102		9.03	9.10		C			1							
70813	9.097	0.011	7.641	0.006		1.227	0.010	T	1.19	0.01	L	7.6565	0.0010	0.011	154		7.64	7.68		C			1							S
70814	8.443	0.010	8.161	0.010		0.240	0.015	G	0.27	0.02	H	8.2217	0.0012	0.008	105		8.21	8.24		C			1							S
70815	11.322	0.077	9.428	0.024		1.607	0.066	T	2.36	0.11	O	9.2430	0.0029	0.029	91		9.20	9.28					1							
70816	8.978	0.014	7.031	0.006		1.615	0.012	T	1.64	0.01	L	6.9529	0.0030	0.050	95		6.93	7.09		U 2			1							S P
70817	10.293	0.035	8.764	0.018		1.285	0.031	T	1.24	0.03	L	8.8045	0.0029	0.016	61		8.77	8.83		C			1							
70818	9.353	0.018	7.483	0.008		1.554	0.016	T	1.57	0.02	L	7.4234	0.0019	0.017	95		7.40	7.46		U			1							S
70819	7.683	0.007	7.543	0.008		0.135	0.010	T	0.15	0.01	L	7.5817	0.0011	0.011	134		7.56	7.60					1							S
70820	9.237	0.018	8.678	0.017		0.523	0.022	T	0.60	0.02	L	8.7297	0.0020	0.016	65		8.70	8.75		C			1							S
70821	10.366	0.025	8.950	0.013		1.196	0.022	T	1.16	0.02	L	8.9528	0.0020	0.024	176		8.90	9.00					1 S							
70822	9.121	0.013	8.800	0.014		0.308	0.021	T	0.35	0.03	L	8.8283	0.0012	0.015	154		8.80	8.86		C			1							
70823	9.258	0.018	8.674	0.016	A	0.300	0.495	G	0.64	0.03	L *	8.6971	0.0021	0.016	108	*	8.67	8.72		C	14290+5341	I 1	2 C C	AB	196	2.767	0.042	3.93	0.29	S
70824	7.505	0.008	6.956	0.006		0.514	0.009	T	0.59	0.01	L	7.0135	0.0007	0.009	116		7.00	7.03		C			1							S
70825	9.481	0.031	8.268	0.020		1.037	0.029	T	1.01	0.02	L	8.3122	0.0014	0.013	124		8.29	8.33		C			1							
70826	9.569	0.021	8.517	0.015		0.913	0.019	T	0.91	0.01	L	8.5891	0.0063	0.048	68		8.54	8.67	6.95	P 1 A			1							S
70827	10.372	0.061	8.547	0.026		1.518	0.053	T	1.55	0.08	L	8.3991	0.0019	0.016	101		8.37	8.43			14290−4509	I 1	1 S							
70828	9.193	0.021	7.738	0.012		1.250	0.020	G	1.21	0.02	H	7.7590	0.0013	0.009	57		7.74	7.77		C			1							S
70829	9.768	0.020	8.987	0.016		0.685	0.002	G	0.75	0.02	A	9.0654	0.0016	0.016	133		9.03	9.09		C			1							
70830	10.188	0.026	8.586	0.013		1.342	0.023	T	1.31	0.03	L	8.5945	0.0010	0.017	102		8.57	8.62			14291+6917	I 1	1							
70831	9.356	0.019	8.657	0.017		0.644	0.021	T	0.71	0.02	L	8.7099	0.0024	0.014	61		8.69	8.74		C			1							S
70832	10.990	0.064	9.062	0.021		1.635	0.056	T	2.96	0.06	O	8.6898	0.0093	0.078	107		8.59	8.81		U 2			1 S							D P
70833	9.300	0.015	8.867	0.015		0.423	0.017	T	0.49	0.02	L	8.9191	0.0014	0.014	105		8.90	8.95			14291−4322	I 1	1 G							
70834	11.491	0.082	10.547	0.057		0.833	0.074	T	0.85	0.05	L	10.5356	0.0025	0.024	118		10.50	10.57		C			1							
70835	10.885	0.057	9.624	0.029		1.075	0.050	T	1.04	0.04	L	9.7046	0.0029	0.024	104		9.66	9.75		C	14291+2932	I 1	1 S							
70836	10.433	0.032	9.274	0.019	A	0.944	0.015	G	0.99	0.02	I *	9.2889	0.0021	0.021	134	*	9.25	9.32		C	14292+3817	H 1	2 C C	AB	254	3.434	0.063	3.44	0.25	
70837	9.799	0.018	9.074	0.016		0.651	0.018	T	0.71	0.02	L	9.1499	0.0026	0.024	151		9.08	9.18		U 2	14291−7710	I 1	1 S							
70838	8.989	0.017	8.436	0.016		0.541	0.015	G	0.61	0.02	H	8.5145	0.0015	0.016	71		8.49	8.55					1							S
70839	7.683	0.009	7.166	0.008		0.511	0.015	G	0.58	0.02	H	7.2136	0.0012	0.008	83		7.20	7.24					1 G							S
70840	11.167	0.060	10.497	0.052		0.620	0.066	T	0.69	0.06	L	10.4659	0.0032	0.041	157		10.40	10.72		U 2 C	14292−5011	I 1	1							G
70841	9.125	0.013	7.872	0.008		1.068	0.012	T	1.03	0.01	L	7.9285	0.0010	0.011	120		7.91	7.95		C			1							S
70842	9.037	0.013	8.682	0.013		0.337	0.017	T	0.39	0.02	L	8.7257	0.0013	0.015	131		8.70	8.75					1							
70843	11.247	0.058	10.646	0.058		0.560	0.072	T	0.63	0.07	L	10.6374	0.0031	0.025	101		10.59	10.68					1							G
70844	7.820	0.008	6.633	0.004		1.017	0.007	T	0.99	0.01	L	6.6892	0.0009	0.007	117		6.68	6.71		C			1							S
70845						0.800	0.200	G	0.83	0.14	R *	11.0838	0.0083	0.043	53	*	10.96	11.14		D	14293+0018	H 1	2 C A	AB	84	0.402	0.023	0.16	0.14	G
70846	10.229	0.019	9.474	0.016		0.689	0.020	T	0.75	0.02	L	9.5444	0.0022	0.026	192		9.50	9.59					1							
70847	9.669	0.024	9.096	0.022	A	0.570	0.015	G	0.64	0.01	H	9.1764	0.0145	0.044	139	A	9.11	9.24		D	14293−7945	I 2	1 C P A							
70848	9.686	0.019	9.367	0.021		0.303	0.027	T	0.35	0.04	L	9.4389	0.0023	0.025	137		9.40	9.48					1							
70849	11.992	0.164	10.497	0.065		1.427	0.019	G	1.75	0.01	A	10.4652	0.0038	0.031	115		10.41	10.51		C			1							G
70850	8.674	0.010	8.570	0.012		0.094	0.014	T	0.11	0.01	L	8.5944	0.0018	0.015	133		8.56	8.62		C			1							
70851	8.677	0.008	8.191	0.008		0.480	0.015	G	0.55	0.02	H	8.2434	0.0013	0.013	147		8.22	8.27		C			1							S
70852	10.645	0.106	10.298	0.128		0.423	0.072	G	0.49	0.08	R	10.3148	0.0041	0.030	95		10.26	10.38		C			1							G
70853	9.077	0.009	8.415	0.008		0.604	0.009	T	0.67	0.01	L	8.4841	0.0013	0.018	268		8.46	8.51					1							
70854	10.090	0.031	9.201	0.024	*	0.792	0.029	T	0.82	0.02	L *	9.2531	0.0033	0.018	55	*	9.22	9.28			14293+1318	H 1	2 C A	AB	122	0.214	0.019	1.00	0.36	
70855	10.165	0.026	9.718	0.029		0.422	0.036	T	0.49	0.04	L	9.7369	0.0026	0.022	122		9.70	9.77					1							
70856	8.707	0.011	8.568	0.014		0.126	0.017	T	0.14	0.02	L	8.6200	0.0025	0.020	124		8.58	8.65					1							
70857	7.838	0.006	6.973	0.005		0.774	0.006	T	0.81	0.00	L	7.0236	0.0008	0.009	127		7.01	7.04		C			1 O							S
70858	11.771	0.122	11.074	0.113	B	0.643	0.136	T	0.71	0.12	L	11.2054	0.0823			B				D	14293−7945	I 2	1 C I A							
70859	9.460	0.016	7.503	0.007		1.623	0.014	T	1.64	0.01	L	7.4041	0.0015	0.015	165		7.37	7.43		U			1							S
70860	8.262	0.011	8.075	0.012		0.172	0.016	T	0.19	0.02	L	8.1124	0.0018	0.019	120		8.08	8.15					1							S
70861	8.075	0.019	7.588	0.018	*	0.470	0.020	T	0.54	0.02	L *	7.6640	0.0010	0.011	120	*	7.64	7.68		D	14294−8006	I 1	2 C A	AB	125	4.417	0.004	0.72	0.01	S
70862	11.033	0.052	9.459	0.023		1.320	0.045	T	1.28	0.05	L	9.4858	0.0027	0.021	105		9.45	9.52					1							
70863	8.194	0.007	7.828	0.007		0.347	0.009	T	0.41	0.01	L	7.8703	0.0010	0.013	142		7.85	7.90					1							S
70864	11.009	0.072	9.348	0.029		1.389	0.061	T	1.36	0.07	L	9.3037	0.0036	0.021	50		9.26	9.37		C			1							
70865						1.471	0.001	G	1.90	0.00	I	10.7219	0.0034	0.034	123		10.66	10.79					1							G
70866	8.829	0.015	7.033	0.007		1.495	0.013	T	1.52	0.02	L	7.0084	0.0013	0.008	74		6.99	7.02					1							S
70867	9.133	0.014	7.964	0.009		1.003	0.013	T	0.98	0.01	L	8.0137	0.0012	0.011	104		7.99	8.04					1							S
70868	8.631	0.010	7.912	0.008	*	0.626	0.015	G	0.69	0.01	H *	7.9653	0.0012	0.010	113	*	7.95	7.99		C	14295−3702	I 1	2 C S A	AC	358	0.133	0.005	0.31	0.34	S
70869	9.548	0.013	9.034	0.012	*	0.483	0.016	T	0.55	0.02	L *	9.0821	0.0015	0.023	223	*	9.04	9.12		D	14295+3612	I 1	2 C S A	AB	14	0.160	0.012	0.13	0.56	
70870	9.947	0.027	9.830	0.036		0.214	0.005	G	0.24	0.01	H	9.8290	0.0038	0.026	113		9.79	9.89					1							D
70871	8.506	0.008	8.456	0.010		0.051	0.012	T	0.06	0.01	L	8.4783	0.0017	0.020	155		8.45	8.52					1							
70872	10.107	0.022	9.615	0.022		0.463	0.028	T	0.53	0.03	L	9.7013	0.0022	0.030	146		9.66	9.76		C			1							G
70873	7.241	0.004	6.438	0.003		0.702	0.003	G	0.75	0.00	H	6.5002	0.0007	0.007	153		6.49	6.52					1							S
70874	7.589	0.006	6.194	0.004		1.180	0.000	G	1.14	0.00	H	6.2266	0.0008	0.008	160		6.21	6.24					1							S
70875	9.358	0.012	9.031	0.013		0.310	0.017	T	0.36	0.02	L	9.0675	0.0033	0.034	204		9.00	9.11		U 2			1							
70876	11.279	0.066	9.642	0.027		1.395	0.059	T	2.75	0.09	O	9.3763	0.0069	0.068	98		9.26	9.47		U 2			1 S							
70877	10.191	0.024	10.092	0.033		0.090	0.015	G	0.10	0.02	H	10.1279	0.0044	0.048	155		10.06	10.21		D	14297−7007	I 2	1 X							G
70878											T	10.4407	0.0412	0.456	145		10.15	11.80		D	14297−7007	I 2								G
70879	9.783	0.024	8.100	0.011		1.406	0.021	T	1.38	0.03	L	8.0911	0.0013	0.012	76		8.07	8.12		C			1							S
70880	10.999	0.031	10.282	0.027		0.659	0.033	T	0.72	0.03	L	10.3514	0.0032	0.041	224		10.27	10.43		U			1 S							
70881	9.040	0.012	7.940	0.009		0.950	0.012	T	0.94	0.01	L	8.0042	0.0015	0.012	118		7.98	8.03					1							S
70882	11.560	0.098	9.509	0.024		0.908	0.007	G	0.91	0.01	I	9.4689	0.0034	0.031	145		9.41	9.52					1 S							
70883	10.694	0.041	9.044	0.018		1.380	0.035	T	1.35	0.04	L	9.0284	0.0017	0.015	97		9.01	9.06		C			1							
70884	10.466	0.045	9.999	0.046		0.440	0.059	T	0.51	0.06	L	10.0252	0.0025	0.024	59		9.98	10.08		D			1							
70885	10.085	0.024	8.592	0.012		1.276	0.022	T	3.78	0.06	O	7.9615	0.0203	0.237	154		7.59	8.54		U 2 B			1 V							
70886	9.763	0.016	9.128	0.015		0.590	0.019	T	0.66	0.02	L	9.2075	0.0027	0.026	163		9.15	9.26					1							
70887	10.155	0.024	8.620	0.012		1.289	0.021	T	1.25	0.02	L	8.6481	0.0013	0.015	113		8.62	8.68					1							
70888	10.544	0.051	10.113	0.054		0.421	0.060	T	0.49	0.06	L	10.1712	0.0034	0.021	53		10.12	10.21					1							
70889	9.583	0.025	8.988	0.024		0.574	0.020	G	0.65	0.02	H	9.0511	0.0025	0.020	62		9.02	9.09		C			1							
70890						1.807	0.020	G	3.62	0.03	A	10.7613	0.0038	0.047	163		10.69	10.83		U	14396−6050	I 3	1							G
70891	10.293	0.028	8.584	0.012		1.427	0.024	T	1.41	0.04	L	8.5770	0.0017	0.016	113		8.55	8.61					1							
70892	6.038	0.003	6.054	0.003		−0.013	0.004	T	0.01	0.00	L	6.0672	0.0006	0.008	150		6.06	6.08		C	14298+3147	I 1	1							S
70893	9.304	0.019	7.842	0.011	A	1.232	0.017	T	1.19	0.02	L	7.8810	0.0075	0.037	78	A	7.85	7.96		D	14298−2533	I 2	1 C P A							S
70894	6.156	0.005	5.983	0.005		0.159	0.002	G	0.18	0.00	H	6.0173	0.0008	0.006	64		6.01	6.03		C			1							S
70895	10.335	0.044	9.665	0.041	B	0.620	0.050	T	0.69	0.04	L	9.9793	0.0382			B				D	14298−2533	I 2	1 C I A							
70896	9.796	0.022	8.633	0.014		0.998	0.020	T	0.98	0.02	L	8.6948	0.0014	0.015	91		8.67	8.72		C	14299−4233	I 1	1							
70897	10.101	0.018	9.469	0.016		0.582	0.018	T	0.65	0.02	L	9.5493	0.0022	0.028	222		9.48	9.59					1 S							G
70898	8.757	0.012	8.369	0.013	A	0.398	0.015	G	0.46	0.02	H *	8.3638	0.0018	0.013	93	*	8.34	8.39		D	14299−4231	I 1	2 C A	AB	347	9.091	0.018	3.09	0.09	
70899	9.467	0.017	7.689	0.008		1.481	0.015	T	1.54	0.06	F	7.6473	0.0010	0.010	125		7.63	7.67		C			1							S
70900	10.222	0.027	8.959	0.016		1.076	0.025	T	1.04	0.02	L	9.0240	0.0015	0.016	120		9.00	9.06		C			1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	α*	δ	π	$\mu_{\alpha*}$	α*	δ	π	μ_δ	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr		α*	α*	δ	α*	δ	π	δ	α*	δ	π	$\mu_{\alpha*}$	%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
70901	14 29 53.73	−78 09 23.6	8.27	H	217.473 872 04	−78.156 558 20		1.59	0.73	−10.03	0.60	0.62	0.79	0.63	0.69	+12	−19	+ 7	+17	+12	− 9	+11	+12	+12	+22	0	0.48
70902	14 29 53.88	+19 35 08.4	8.65	2 H	217.474 510 19	+19.585 653 82		3.87	4.57	−1.62	0.78	0.93	1.18	0.83	0.94	−45	+17	−41	+30	−10	− 1	−16	+33	−22	−52	4	1.33
70903	14 29 55.65	−53 35 40.7	8.92	H	217.481 893 19	−53.594 625 59		3.46	−25.66	−13.14	0.81	0.72	1.08	0.90	1.07	−16	−27	+ 5	− 1	+11	−14	+12	−10	+ 6	−19	0	−0.91
70904	14 29 58.38	−56 07 52.3	6.97	G	217.493 257 02	−56.131 192 42		6.41	−21.42	−18.97	0.56	0.53	0.76	0.56	0.67	−13	−39	− 5	+12	+12	− 9	+11	+ 3	+ 6	−17	0	−0.29
70905	14 29 58.63	−59 46 30.9	9.01	H	217.494 279 57	−59.775 262 86		1.14	−9.47	−9.40	0.91	0.78	1.17	1.25	0.94	+26	− 3	+ 6	+43	+21	+ 9	+24	+33	+18	+53	0	1.07
70906	14 30 00.20	−04 14 49.8	7.05	G	217.500 814 42	−04.247 165 87		17.95	−95.51	−18.57	0.79	0.61	0.92	0.84	0.69	−21	−20	−30	+21	−19	+18	−12	+ 0	− 7	−26	0	0.65
70907	14 30 00.43	+56 06 50.5	8.77	H	217.501 771 23	+56.114 033 12		4.62	15.28	−0.68	0.66	0.67	0.77	0.83	0.78	+22	+ 4	+ 0	−18	−15	− 3	−14	−11	−16	+14	2	0.45
70908	14 30 01.89	−29 54 28.9	11.26	H	217.507 872 58	−29.908 021 21		−1.23	2.34	−21.57	2.94	1.66	2.74	3.96	2.10	+ 7	+22	−11	−31	−36	+ 4	−38	−17	−22	+21	0	1.37
70909	14 30 02.76	+06 38 39.8	11.27	H	217.511 491 05	+06.644 387 29		−2.63	15.29	−103.46	2.64	2.87	3.71	2.71	2.99	−23	+ 0	−52	−25	+ 1	+ 3	− 5	−57	+41	−39	0	0.89
70910 H	14 30 03.29	+47 37 27.1	9.71	H	217.513 713 10	+47.624 182 84	A	4.15	3.21	10.81	1.67	2.03	1.79	1.56	1.59	+ 2	− 9	−18	+11	−12	+ 9	−17	− 9	− 1	− 8	0	−0.72
70911	14 30 03.62	−60 50 58.7	8.81	G	217.515 075 09	−60.849 629 54		3.34	−13.02	−0.77	0.93	0.83	1.27	1.07	1.02	+ 8	−29	− 5	+ 9	− 5	− 8	− 9	+22	+ 3	+22	0	0.40
70912	14 30 07.51	+37 08 39.3	7.94	G	217.531 305 97	+37.144 261 88		8.16	−98.34	19.40	0.53	0.63	0.92	0.61	0.74	+20	+23	−14	−12	−10	−12	−16	+16	−34	+16	2	0.54
70913	14 30 08.31	−07 04 17.4	8.23	H	217.534 633 54	−07.071 501 14		4.77	18.12	−31.66	0.93	0.61	0.95	1.01	0.76	−17	−21	−10	+36	−13	+ 9	−15	+ 5	+ 6	−21	0	0.17
70914	14 30 08.41	+08 21 11.7	7.41	H	217.535 023 71	+08.353 249 73		9.00	−37.41	−22.70	0.76	0.79	1.16	0.80	0.79	−23	−20	−51	− 9	+10	− 2	+ 1	−43	+33	−45	0	−0.32
70915	14 30 08.66	−45 19 16.6	5.51	G	217.536 083 89	−45.321 287 92		6.84	−37.72	−27.81	0.64	0.42	0.76	0.60	0.55	− 8	−48	+ 1	+11	+ 7	−13	+ 3	−16	+10	− 7	2	0.25
70916	14 30 08.69	+21 48 55.0	10.46	H	217.536 198 39	+21.815 275 76		4.89	23.40	−76.18	1.29	1.39	1.80	1.52	1.50	−41	+ 0	−31	+22	−29	+10	−23	+47	−40	−51	2	−0.30
70917	14 30 08.79	−63 34 00.4	9.04	G	217.536 628 15	−63.566 776 90		1.05	−2.04	−3.86	0.67	0.90	1.23	0.81	1.05	+37	−16	−17	+45	+32	−12	+40	+14	−14	+60	0	0.69
70918	14 30 09.99	−43 51 49.8	6.91	H	217.541 635 74	−43.863 826 78		6.92	−30.12	−27.44	0.69	0.51	0.96	0.72	0.67	− 5	−35	− 9	− 4	+13	+ 8	− 4	−31	+25	−18	0	−2.47
*70919	14 30 10.37	−43 32 48.9	8.88	2 H	217.543 211 42	−43.546 913 37		5.02	−19.56	−12.24	1.21	0.78	1.52	1.00	1.14	− 1	−51	−21	+ 3	+18	−19	+ 0	−35	+21	−33	0	1.05
*70920	14 30 10.23	+86 09 12.6	9.58	H	217.542 631 44	+86.153 512 20		5.93	−34.46	17.91	0.74	0.80	0.90	0.95	1.00	+ 4	+13	−13	+ 1	− 1	+ 5	− 3	−16	+ 9	−15	0	−0.27
70921	14 30 10.74	+32 24 25.4	10.14	H	217.544 733 47	+32.407 065 88		−0.67	−24.49	37.70	0.92	1.12	1.64	1.36	1.42	+ 0	− 4	− 6	− 2	− 1	−18	− 3	− 7	+23	−32	0	0.36
70922	14 30 12.67	−62 51 43.9	8.21	H	217.552 807 59	−62.862 193 34		17.71	−12.45	−64.29	0.47	0.73	1.03	0.53	0.79	+30	−27	−21	+38	+18	−18	+19	+22	−10	+38	0	1.08
70923	14 30 13.99	−15 14 54.9	7.08	G	217.558 290 81	−15.248 571 30		16.20	−50.60	64.25	0.90	0.68	1.00	1.50	0.86	−23	+ 6	−19	+ 8	−20	−14	−16	− 1	−12	+11	0	−0.60
70924	14 30 14.39	−46 56 58.3	10.15	G	217.559 972 51	−46.949 540 15		31.38	−638.10	−398.50	3.07	2.57	4.57	3.81	3.80	−18	−22	+ 1	+11	+ 8	−28	+13	−26	+ 4	− 8	0	
70925	14 30 15.05	−60 48 59.3	9.00	H	217.562 699 09	−60.816 461 87		7.62	24.08	−5.76	0.99	0.89	1.33	1.12	1.12	+ 7	−28	−10	+ 7	+ 1	− 2	+ 0	+14	− 4	+19	0	1.70
70926 H	14 30 15.35	−33 37 08.4	7.71	H	217.563 939 97	−33.618 998 01	*	1.51	13.73	−14.01	1.53	1.16	1.55	1.22	1.19	− 7	−18	−46	− 4	+12	− 7	+ 7	−50	+49	−21	3	0.20
70927	14 30 15.85	−35 32 03.6	9.14	H	217.566 061 65	−35.534 323 01		1.78	−13.02	−8.13	1.04	0.73	1.41	1.33	1.11	−11	−21	−27	− 1	+ 4	+ 6	− 5	−50	+36	−19	0	−0.64
70928	14 30 19.09	+09 15 19.1	10.69	H	217.579 530 82	+09.255 310 20		7.02	−6.98	−6.03	1.85	1.55	2.44	1.88	1.46	−12	−26	−35	−16	−13	+24	− 4	−19	− 4	−22	0	0.56
70929	14 30 19.77	−01 59 27.9	9.27	G	217.582 354 52	−01.991 092 41		4.39	−31.18	7.54	1.66	1.09	1.89	2.00	1.29	−29	+32	−47	+62	−12	+45	+22	−28	+34	+ 0	3	2.14
70930	14 30 20.66	+35 31 21.2	9.37	H	217.586 090 02	+35.522 567 80		7.52	13.88	40.55	0.67	0.90	1.27	0.71	0.97	+28	−14	−15	− 5	− 4	−15	− 4	+11	−17	+29	1	1.32
70931	14 30 20.99	−49 31 08.1	5.38	H	217.587 469 47	−49.518 926 57		14.66	−50.66	−37.65	0.63	0.59	0.89	0.88	1.48	−12	−51	−14	−43	−10	+36	+25	+12	−33	−68	0	0.64
70932	14 30 24.48	−21 29 52.1	8.53	2 H	217.602 009 08	−21.497 817 65		2.08	1.76	5.03	0.92	0.70	1.09	1.16	1.03	−40	−12	−10	+13	−15	+ 0	−18	+ 0	+12	−41	0	−0.82
70933	14 30 26.45	−40 28 34.2	7.32	2 H	217.610 225 10	−40.476 161 50		0.91	−11.12	6.12	0.71	0.55	0.92	0.76	0.81	−13	−28	−16	− 7	+15	− 2	+ 9	−40	+13	−26	0	−1.57
70934	14 30 26.55	−14 36 18.2	9.80	G	217.610 604 19	−14.605 056 22		3.90	16.36	−19.12	1.51	0.91	1.62	1.76	1.30	− 5	−41	−25	+22	−20	+ 1	−33	− 5	+32	−21	0	0.70
70935	14 30 28.39	+25 05 23.7	8.62	1 H	217.618 311 78	+25.089 904 99		7.59	6.57	4.21	0.87	0.72	1.09	0.95	0.77	+12	−27	−39	+21	− 7	+ 0	− 7	+16	− 5	−14	0	3.39
70936	14 30 28.48	−49 22 21.0	8.60	G	217.618 655 20	−49.372 498 11		3.70	−14.09	−5.82	0.67	0.61	1.10	0.85	1.04	−38	−20	− 7	+ 6	+11	−15	+12	−22	+19	−30	1	−0.46
70937	14 30 30.56	−04 03 54.7	7.40	H	217.627 316 41	−04.065 183 25		9.89	−36.09	−6.30	0.83	0.61	0.96	0.88	0.69	−15	−23	−34	+23	−21	+18	−17	+ 1	+ 5	−22	0	1.53
70938	14 30 35.15	+51 34 21.6	10.76	H	217.646 462 67	+51.572 678 78		0.06	−17.14	0.34	1.25	1.25	1.50	1.54	1.38	+24	− 8	−24	−20	−24	− 7	−26	−25	+ 5	− 7	3	0.69
70939	14 30 35.43	−60 51 54.3	9.26	G	217.647 623 36	−60.865 094 11	A	2.82	−6.56	−9.98	3.53	3.14	3.70	4.33	3.75	+ 7	−13	+ 5	+12	+ 6	−11	+ 8	+13	−17	+36	0	2.49
70940 T	14 30 35.80	−60 52 18.0	10.15	H	217.649 149 61	−60.871 665 56	B	2.82	−96.46	−33.48	39.99	32.14	3.70	31.11	35.11	+29	− 1	+ 1	+ 0	+ 0	− 2	+ 0	+ 0	− 2	+42	0	2.49
70941	14 30 36.55	−29 18 35.7	7.73	H	217.652 271 20	−29.309 930 18		1.09	−14.59	8.42	0.87	0.63	0.99	1.32	0.75	−14	+ 3	−13	− 4	−25	+26	−18	− 9	− 7	+ 4	0	1.23
70942	14 30 38.41	−74 45 29.7	10.24	G	217.660 033 97	−74.758 243 12		−1.68	−7.47	−0.08	0.90	0.89	1.22	1.19	1.13	+12	− 7	+13	−24	− 3	−21	− 3	− 1	− 8	+29	0	0.85
70943	14 30 39.99	+13 32 42.8	9.02	H	217.666 626 51	+13.545 219 16		6.42	−47.92	−10.78	1.08	0.96	1.37	1.23	1.05	−16	− 4	−27	−15	−18	+31	−10	+ 1	−19	−24	0	0.55
70944	14 30 40.31	+37 46 08.9	9.65	H	217.667 952 52	+37.769 145 43		8.39	4.17	−8.58	0.78	0.91	1.39	0.95	1.09	+ 2	+16	−27	−15	+ 3	−20	− 6	+16	−35	+ 3	1	0.65
70945	14 30 40.47	−22 27 39.3	6.92	1 H	217.668 642 23	−22.460 907 83		3.61	−14.09	−3.14	0.77	0.64	0.93	0.97	1.02	−43	−22	−12	+14	+15	− 5	+ 4	−35	+29	−53	0	−0.55
70946	14 30 41.51	+42 32 34.4	8.73	H	217.672 977 08	+42.542 888 86		5.04	12.77	−10.41	0.59	0.68	0.88	0.70	0.70	+12	+ 2	−19	+ 9	+ 0	−14	− 2	+18	− 9	+ 5	0	−0.49
70947	14 30 42.42	−03 06 34.2	7.67	H	217.676 759 61	−03.109 486 86		4.40	11.80	−11.30	0.90	0.67	0.96	1.14	0.80	−24	+ 2	−23	+39	−16	+23	− 6	+ 1	+ 4	−11	0	1.87
70948	14 30 44.72	−26 50 09.2	7.83	H	217.686 315 56	−26.835 899 68		4.49	−22.44	−9.71	0.93	0.71	1.11	1.04	0.88	−41	−25	+ 1	+ 8	−18	+ 2	−17	− 1	− 3	−34	0	−0.20
*70949	14 30 45.39	+04 46 20.3	6.01	H	217.689 119 03	+04.772 316 76		3.02	1.14	−12.70	0.81	0.54	0.89	0.84	0.65	−10	−21	−15	−27	−34	+16	−34	− 4	+ 7	−35	0	0.42
*70950	14 30 45.32	+35 27 11.8	8.68	H	217.688 842 29	+35.453 267 27		45.46	−480.59	199.11	0.56	0.73	1.03	0.61	0.75	+33	−14	−15	+ 0	− 7	− 4	− 5	+ 9	−10	+22	0	−0.76
70951	14 30 46.09	+36 21 33.5	9.10	H	217.692 053 25	+36.359 296 61		11.27	−60.54	22.21	0.61	0.82	1.18	0.71	0.97	+23	− 2	−20	+10	− 2	−22	− 7	+20	−31	+31	0	0.36
70952	14 30 46.30	+63 11 08.7	6.10	H	217.692 915 10	+63.185 763 76		31.51	−177.43	9.85	0.44	0.45	0.50	0.45	0.49	+16	−18	−23	− 9	− 8	+ 5	− 9	−12	+ 7	+ 5	1	0.44
70953	14 30 46.76	+60 46 34.3	8.54	1 H	217.694 815 26	+60.776 183 94		3.00	−6.02	2.57	0.61	0.62	0.70	0.72	0.72	+ 7	−17	−10	− 3	− 6	− 4	− 6	+19	+ 2	+ 0	0	−0.46
70954	14 30 48.15	+16 30 55.4	9.52	H	217.700 636 53	+16.515 389 94		6.47	−3.27	10.62	1.10	1.16	1.58	1.23	1.17	−46	+ 3	−26	+25	+ 2	− 1	− 2	+37	−26	−60	0	0.23
70955	14 30 48.30	−33 18 04.4	9.69	G	217.701 243 61	−33.301 215 61		15.60	−207.67	−14.52	1.28	1.26	1.96	1.51	1.32	−16	−15	−57	− 7	+10	− 9	+ 1	−52	+50	−18	0	−1.08
70956	14 30 48.47	−08 38 44.7	9.40	1 G	217.701 944 41	−08.645 750 59		60.53	−1269.37	−241.19	1.54	0.85	1.57	1.90	1.16	−23	−26	+ 2	+45	− 1	− 1	− 3	−32	+36	−10	4	−1.42
70957	14 30 50.08	−50 28 52.7	8.71	H	217.708 675 63	−50.481 305 81		13.43	−14.31	−166.95	0.79	0.70	1.30	0.96	1.16	−23	−19	− 7	+ 2	+20	−28	+20	−41	+19	−24	0	2.23
70958	14 30 50.19	−08 39 27.6	12.43	H																							
70959	14 30 51.24	+81 27 07.3	8.61	H	217.713 488 68	+81.452 034 13		3.27	−12.98	1.86	0.58	0.69	0.72	0.60	0.77	− 1	−19	−24	+ 1	+ 6	+ 8	+ 8	− 8	− 3	−17	1	0.23
70960	14 30 51.80	−53 41 15.6	8.86	H	217.715 820 64	−53.687 679 68		4.60	19.19	−10.15	0.76	0.64	1.04	0.78	0.95	−17	−33	+ 7	− 8	+10	−19	+11	−14	+ 6	−21	0	−1.15
70961	14 30 51.92	−20 43 05.5	7.07	H	217.716 327 81	−20.718 206 75		6.07	34.13	−22.41	0.77	0.55	0.90	1.04	0.68	−28	−20	− 2	+10	− 8	+ 9	− 5	− 9	+18	+ 2	0	1.41
70962	14 30 53.50	−40 00 20.2	8.27	H	217.722 897 95	−40.005 613 23		0.98	6.07	3.19	0.82	0.64	1.11	0.97	0.98	− 9	−29	−16	+ 5	+17	+15	+13	−52	+19	−15	0	1.90
70963	14 30 53.66	+68 04 54.3	7.43	H	217.723 580 82	+68.081 745 31		7.55	−42.66	2.86	0.50	0.59	0.61	0.51	0.69	− 5	−16	−21	+ 4	− 9	+10	− 7	+15	+ 7	−20	0	−0.34
70964	14 30 54.02	−22 33 36.6	8.48	H	217.725 084 25	−22.560 171 15		2.60	−20.70	−8.13	1.11	0.85	1.39	1.38	1.45	−36	−30	−13	+15	+ 7	− 5	−10	−27	+33	−54	0	0.01
70965	14 30 55.68	−01 24 44.9	9.60	H	217.731 980 27	−01.412 469 50		6.01	−18.98	−4.16	1.48	1.11	1.90	1.77	1.36	−13	−24	−38	+10	+ 5	+ 8	+ 1	−21	+28	−27	3	1.38
70966	14 30 56.63	−40 50 42.4	6.39	G	217.735 947 86	−40.845 111 53		3.11	−13.10	−4.16	0.61	0.51	0.79	0.71	0.74	−16	− 9	−11	− 3	+10	− 9	+ 9	−38	+ 7	−17	0	−1.30
70967	14 30 56.74	+74 23 14.7	8.91	H	217.736 399 80	+74.387 408 91		3.02	−9.56	6.05	0.68	0.71	0.76	0.74	0.78	+ 4	−14	−13	+ 0	− 9	+ 5	− 4	+28	−17	− 6	2	−0.03
70968	14 30 57.40	+27 12 02.4	10.46	H	217.739 148 06	+27.200 654 89		6.86	7.20	−43.81	1.27	1.20	1.72	1.30	1.31	−14	−15	−18	−22	−12	+20	− 1	+ 7	−21	−40	0	−0.05
70969	14 30 58.64	−30 05 51.6	8.53	2 H	217.744 346 89	−30.097 678 94	*	3.15	−38.27	−23.32	1.21	0.84	1.29	1.76	1.11	−11	+17	−22	−20	−23	+ 2	−21	− 6	−18	+16	5	1.30
*70970	14 31 00.63	−43 50 59.4	11.78	3 H	217.752 622 95	−43.849 825 93	C	14.98	−67.82	−3.05	45.00	24.43	5.85	45.02	24.17	− 1	− 4	− 4	+ 0	+ 0	− 2	+ 0	− 2	+ 8	+17	3	2.98
*70971	14 31 00.22	+58 37 09.1	8.29	G	217.750 910 32	+58.619 184 05		2.74	−27.09	20.79	0.60	0.66	0.71	0.65	0.76	− 1	− 3	− 1	+ 1	+ 2	+12	+ 2	+20	+ 0	+ 0	0	0.34
70972	14 31 00.71	−25 18 53.8	7.79	H	217.752 944 41	−25.314 957 08		4.33	−33.86	−8.62	0.79	0.74	1.21	0.90	0.93	−35	−14	−44	+ 5	+ 6	+ 9	+ 9	−51	+56	−17	0	−0.18
70973 H	14 31 00.74	−05 48 08.3	7.68	H	217.753 090 23	−05.802 299 08	*	26.04	−203.98	−21.64	0.91	0.61	1.04	1.18	0.74	−10	−20	−27	+21	−20	+34	−11	− 3	+ 8	− 3	0	1.09
70974	14 31 01.24	−76 34 53.7	11.16	H	217.755 158 15	−76.581 595 06		−1.02	−5.56	−0.53	2.05	2.08	2.68	2.26	2.37	+20	−13	+ 7	− 3	+12	− 8	+12	+ 4	+ 3	+28	0	
70975	14 31 01.40	−12 17 42.5	11.92	2 G	217.755 851 71	−12.295 127 76		89.76	−405.22	−400.16	3.04	1.95	3.47	4.12	2.48	−10	−20	−31	+ 7	−15	+21	−11	−27	+16	−13	0	0.80
70976	14 31 01.54	−43 50 53.4	8.72	H	217.756 432 56	−43.848 170 49	A	14.98	−159.42	0.65	6.24	3.92	5.85	5.74	6.06	− 2	−26	−22	−19	+11	−14	− 2	−45	+30	−20	3	2.98
70977	14 31 02.23	−48 50 09.6	8.68	H	217.759 294 03	−48.835 992 75		3.10	−7.80	−3.91	0.74	0.61	1.17	1.01	0.96	−23	−18	− 7	+20	+11	−11	+14	−15	+25	− 4	0	−0.01
70978	14 31 02.41	+29 37 22.2	9.91	H	217.760 043 47	+29.622 825 56		4.84	14.44	−16.07	0.97	0.91	1.44	0.99	1.09	+18	− 7	− 9	−33	−21	+18	+ 4	+25	−13	−30	0	−1.37
70979 H	14 31 03.53	+28 00 35.5	9.41	H	217.764 701 82	+28.009 855 77	A	6.45	−33.90	10.30	1.73	1.83	2.10	1.65	1.63	−47	− 7	−31	−20	+ 8	− 5	+ 5	+11	−18	+30	1	−0.77
70980	14 31 03.90	+07 15 51.9	8.88	G	217.766 268 96	+07.264 422 37		10.78	8.88	−192.25	1.09	1.13	1.62	1.07	1.09	+ 7	−21	−66	−38	−20	+19	−24	−56	+44	−17	0	−0.57
70981	14 31 05.61	+08 31 03.0	10.23	H	217.773 359 97	+08.517 513 24		7.43	5.92	−3.81	1.37	1.33	2.10	1.44	1.27	− 9	−30	−47	−12	− 7	+21	− 5	−36	+22	−25	0	−0.63
70982	14 31 06.05	+60 23 53.2	8.25	H	217.775 217 66	+60.398 107 30		10.98	−67.20	11.68	0.57	0.57	0.65	0.67	0.59	+ 9	− 7	−14	− 8	− 1	−14	− 2	+ 0	− 9	+ 7	0	−0.46
70983	14 31 06.88	+00 37 57.9	11.44	G	217.778 670 20	+00.632 761 17		6.14	2.11	−24.28	3.52	2.08	4.44	3.84	3.18	+ 0	−52	−27	+ 5	−23	−17	−50	−18	+56	−24	0	−0.38
70984	14 31 08.23	−27 25 21.3	9.70	H	217.784 298 80	−27.422 574 50		8.16	−65.33	−91.55	1.47	1.11	1.77	1.87	1.37	−36	− 6	+ 5	+ 4	−21	− 8	−20	−12	+ 8	−31	0	1.46
70985 H	14 31 10.41	+76 33 55.1	8.16	H	217.793 358 45	+76.565 300 89	A	7.22	13.34	−2.59	0.81	0.86	0.85	0.71	0.87	+ 4	− 4	−20	−12	+ 0	− 2	+ 2	+27	− 3	− 2	2	1.27
70986	14 31 10.63	+04 57 46.7	10.58	H	217.794 286 33	+04.962 981 95		2.97	11.88	−13.36	1.88	1.36	2.26	1.99	1.73	−15	−31	−20	−31	−24	+ 8	−31	−20	+34	−38	0	−0.75
70987	14 31 10.84	−38 52 11.2	5.99	H	217.795 150 11	−38.869 777 05		9.43	5.50	28.23	0.56	0.46	0.79	0.55	0.64	− 9	−34	−26	+13	+19	−10	+ 1	−39	+32	−34	2	1.00
70988	14 31 11.32	−40 23 11.0	6.75	H	217.797 147 63	−40.386 391 23		6.76	−38.80	−12.99	0.65	0.50	0.87	0.69	0.75	− 9	−28	−19	+ 1	+17	−10	+ 6	−41	+21	−29	0	−0.81
70989	14 31 11.58	−00 14 14.7	9.35	H	217.798 233 34	−00.237 405 47		14.51	−5.45	−22.37	1.44	1.09	2.26	2.44	1.82	−31	−23	−27	+18	+14	−54	−14	−32	+63	−58	0	−0.48
70990	14 31 11.65	+39 41 44.9	8.77	H	217.798 555 07	+39.695 795 63		7.65	−61.68	23.05	0.61	0.76	0.96	0.74	0.83	+ 7	+ 5	−21	+ 5	+ 9	+ 3	+10	+ 6	+ 4	− 4	0	−0.78
70991	14 31 12.35	−19 58 39.6	8.14	H	217.801 442 25	−19.977 675 26		12.53	−5.51	−50.75	0.86	0.63	0.95	1.09	0.72	−14	−21	−12	+24	+ 2	− 7	+ 1	+ 7	+13	+ 3	0	0.58
70992	14 31 12.65	+70 47 38.9	10.27	H	217.802 710 54	+70.794 150 06		5.73	18.20	4.92	0.86	1.01	1.00	1.02	1.27	+12	− 4	−17	−26	− 5	−15	− 8	−24	− 2	+17	0	−1.61
70993	14 31 13.09	−34 40 51.9	7.77	H	217.804 557 77	−34.681 091 24		3.08	−10.65	−15.23	0.80	0.63	1.15	0.94	0.86	−19	− 2	−41	+22	+ 5	+15	+ 7	−44	+42	−23	0	−0.90
70994	14 31 13.45	−47 31 46.4	9.11	H	217.806 060 45	−47.529 551 32		3.92	12.81	10.21	0.78	0.73	1.25	0.96	1.04	−19	−23	+ 2	+ 4	+ 8	−31	+11	−16	− 1	−12	0	−1.29
70995	14 31 13.46	+13 11 17.2	10.60	H	217.806 082 32	+13.188 098 51		13.72	39.40	−12.63	1.76	1.69	2.43	2.00	1.61	+ 7	−40	−43	−38	−34	+48	− 8	−23	−14	−16	0	2.26
70996	14 31 13.81	+03 30 07.0	8.62	H	217.807 530 79	+03.501 954 12		3.05	−1.84	−37.55	1.03	0.78	1.19	1.18	0.95	−33	−12	− 7	− 3	−23	− 2	−24	+ 3	+ 3	−43	0	−1.03
70997	14 31 13.99	+17 03 34.7	8.78	1 H	217.808 272 38	+17.059 641 20		3.47	−47.12	−15.95	0.75	0.80	1.13	0.81	0.83	−40	+ 2	−30	+25	− 4	+ 5	− 3	+36	−31	−56	0	0.53
*70998	14 31 14.40	−40 39 21.2	7.48	H	217.809 979 37	−40.655 876 67		6.25	−19.51	−21.15	0.70	0.56	0.92	0.81	0.88	−17	−24	− 4	−10	+13	− 9	+11	−48	+ 5	−21	0	−0.49
*70999	14 31 14.38

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
70901	10.294	0.025	8.446	0.011		1.537	0.022	T	1.59	0.05	L	8.3927	0.0015	0.015	138		8.36	8.42					1							
70902	10.757	0.047	8.991	0.018		1.472	0.040	T	1.49	0.06	L	8.7689	0.0056	0.059	91		8.65	8.88		U 2			1 S							P
70903	10.524	0.036	9.087	0.018		1.212	0.032	T	1.17	0.03	L	9.0848	0.0021	0.018	126		9.05	9.12					1							
70904	7.243	0.005	7.009	0.006		0.233	0.003	G	0.26	0.00	H	7.0358	0.0014	0.012	113		7.01	7.06					1							S P
70905	8.980	0.013	8.989	0.018		−0.009	0.022	G	0.01	0.02	H	9.0112	0.0029	0.024	120		8.98	9.05					1							
70906	7.502	0.008	7.084	0.009		0.408	0.015	G	0.47	0.02	H	7.1403	0.0016	0.008	67		7.13	7.16		C	14300−0415	I 1	1							S
70907	8.996	0.014	8.785	0.016		0.202	0.020	T	0.22	0.02	L	8.8294	0.0015	0.014	128		8.80	8.85		C	14300+5607	I 1	1							S
70908											T	11.4056	0.0036	0.033	64		11.33	11.46		C			1							G
70909						0.636	0.155	G	0.70	0.14	R	11.4027	0.0062	0.044	62		11.31	11.48					1							G
70910	10.247	0.030	9.778	0.031	*	0.442	0.039	T	0.51	0.04	L *	9.8065	0.0027	0.021	112	*	9.78	9.84		D	14301+4737	H 1	2 C A	AB	336	0.433	0.006	1.24	0.04	
70911	10.379	0.038	8.939	0.019		1.244	0.009	G	1.20	0.01	I	8.9715	0.0025	0.019	115		8.94	9.01					1							D
70912	8.487	0.009	7.990	0.009		0.467	0.012	T	0.54	0.01	L	8.0453	0.0011	0.015	163		8.02	8.08		C			1							S
70913	9.699	0.021	8.377	0.013		1.122	0.019	T	1.08	0.02	L	8.3958	0.0018	0.012	82		8.38	8.42		C			1							
70914	8.041	0.009	7.474	0.008		0.533	0.015	G	0.61	0.02	H	7.5241	0.0009	0.007	81		7.51	7.55					1							S
70915	5.399	0.002	5.491	0.003		−0.087	0.015	G	−0.07	0.02	A	5.4832	0.0006	0.005	102		5.47	5.49			14301−4519	I 1	1							S
70916	11.210	0.067	10.562	0.057		0.574	0.072	G	0.65	0.07	R	10.5827	0.0037	0.025	86		10.52	10.62		C			1							
70917	9.112	0.010	9.066	0.013		0.047	0.015	T	0.06	0.01	L	9.0746	0.0024	0.026	196		9.03	9.12					1							
70918	7.057	0.005	6.918	0.006		0.126	0.007	T	0.14	0.01	L	6.9524	0.0008	0.009	105		6.94	6.97					1 G							S
70919	10.141	0.026	8.989	0.016		0.990	0.024	T	0.97	0.02	L	9.0465	0.0041	0.033	103		8.99	9.09		U 2			1							
70920	10.038	0.022	9.584	0.023		0.428	0.029	T	0.50	0.03	L	9.6792	0.0019	0.020	127		9.65	9.72		C			1							
70921	10.669	0.026	10.199	0.027		0.443	0.034	T	0.51	0.04	L	10.2353	0.0035	0.043	193		10.16	10.31					1							
70922	8.857	0.009	8.294	0.008		0.527	0.011	T	0.60	0.01	L	8.3206	0.0011	0.015	197		8.30	8.35					1							
70923	7.605	0.010	7.134	0.008		0.446	0.015	G	0.52	0.02	H	7.1824	0.0013	0.010	56		7.16	7.19		C			1							S
70924						1.185	0.018	G	1.31	0.03	I	10.2805	0.0032	0.032	135		10.24	10.34					1 X							G
70925	9.507	0.020	9.044	0.020		0.427	0.006	G	0.49	0.01	H	9.0952	0.0022	0.022	113		9.06	9.13					1 S							D
70926	9.196	0.015	7.838	0.009	*	1.150	0.013	T	1.11	0.01	L *	7.8790	0.0010	0.009	94	*	7.87	7.91		D	14303−3337	H 1	2 C D	AB	142	0.272	0.037	2.87	0.22	D
70927	10.486	0.033	9.274	0.019		1.036	0.030	T	1.01	0.03	L	9.3093	0.0018	0.016	102		9.29	9.34		C			1							
70928	11.525	0.121	10.909	0.103		0.639	0.126	G	0.70	0.11	R	10.8203	0.0039	0.033	63		10.77	10.88		C			1							G
70929	9.685	0.032	9.353	0.037		0.420	0.020	G	0.49	0.02	H	9.3576	0.0024	0.016	50		9.34	9.39		C			1							
70930	9.986	0.015	9.421	0.014		0.529	0.018	T	0.60	0.02	L	9.4839	0.0023	0.029	219		9.44	9.54					1							S
70931	5.451	0.002	5.389	0.002		0.056	0.003	T	0.07	0.00	L	5.4065	0.0005	0.005	180		5.40	5.42		C	14303−4931	I 1	1 G							S
70932	10.618	0.046	8.797	0.017		1.547	0.040	T	2.73	0.10	O	8.5126	0.0297	0.139	96		8.32	8.69		U 2			1 S							
70933	9.490	0.017	7.537	0.007		1.655	0.015	T	2.32	0.04	O	7.3619	0.0027	0.023	105		7.32	7.40		U 2			1 S							S
70934	10.362	0.052	9.783	0.049		0.525	0.020	G	0.60	0.02	H	9.9261	0.0026	0.018	52		9.90	9.96		C			1							
70935	9.180	0.015	8.672	0.015		0.465	0.015	G	0.54	0.02	H	8.7199	0.0031	0.019	87		8.69	8.76		M			1 S							S
70936	8.610	0.013	8.586	0.016		0.025	0.003	G	0.04	0.00	H	8.6167	0.0016	0.019	193		8.59	8.65					1							
70937	7.899	0.012	7.454	0.010		0.418	0.007	G	0.48	0.01	H	7.4985	0.0008	0.008	64		7.48	7.51					1							S
70938	12.218	0.163	10.864	0.077		1.147	0.141	T	1.11	0.13	L	10.9198	0.0032	0.034	110		10.83	10.97					1							G
70939	10.730	0.049	9.345	0.025	A	1.120	0.015	G	1.08	0.02	H	9.3980	0.0913	0.077	110	A	9.23	9.47		D	14306−6052	I 2	1 C P D							G D
70940											T	10.2727	0.1652			B				D	14306−6052	I 2	1 C L D							D
70941	9.545	0.025	7.835	0.012		1.440	0.015	G	1.44	0.02	H	7.8631	0.0017	0.012	71		7.85	7.89		C			1							S
70942	10.157	0.024	10.183	0.037		−0.010	0.015	G	0.01	0.01	H	10.2069	0.0035	0.034	138		10.15	10.27					1							G
70943	9.621	0.027	9.039	0.025		0.544	0.033	T	0.62	0.03	L	9.1392	0.0030	0.020	57		9.10	9.17					1							S
70944	10.352	0.028	9.717	0.025		0.590	0.033	T	0.66	0.03	L	9.7814	0.0029	0.027	144		9.73	9.83					1							
70945	7.155	0.008	6.973	0.008		0.167	0.011	T	0.18	0.01	L	6.9817	0.0048	0.025	83		6.95	7.02	24.62	P 1 A			1							S P
70946	9.622	0.015	8.794	0.012		0.746	0.015	T	0.79	0.01	L	8.8749	0.0019	0.022	142		8.84	8.91		R			1							S
70947	8.998	0.017	7.776	0.011		1.044	0.016	T	1.01	0.01	L	7.8375	0.0012	0.010	60		7.81	7.86		C			1							S
70948	8.103	0.017	7.843	0.018		0.244	0.025	T	0.27	0.03	L	7.9052	0.0012	0.009	66		7.89	7.92					1							S
70949	7.874	0.010	6.172	0.005		1.421	0.009	T	1.41	0.01	L	6.1508	0.0009	0.007	83		6.14	6.17			14308+0446	I 1	1							S
70950	10.024	0.015	8.811	0.010		1.031	0.014	T	1.08	0.02	L	8.8215	0.0017	0.023	225		8.79	8.86					1							
70951	9.817	0.016	9.154	0.014		0.615	0.018	T	0.68	0.02	L	9.2355	0.0022	0.025	195		9.20	9.29					1							
70952	6.605	0.004	6.151	0.004		0.428	0.005	T	0.50	0.01	L	6.1983	0.0007	0.006	113		6.19	6.21		C			1							S
70953	8.751	0.012	8.576	0.013		0.189	0.015	G	0.21	0.02	H	8.6013	0.0027	0.022	120		8.57	8.64		U			1							S P
70954	10.191	0.026	9.607	0.024		0.545	0.031	T	0.62	0.03	L	9.6399	0.0021	0.020	123		9.60	9.68		C			1							
70955	10.737	0.045	9.759	0.031		0.827	0.002	G	0.87	0.00	H	9.8400	0.0030	0.024	74		9.81	9.89		C			1							
70956	11.309	0.090	9.569	0.031		1.403	0.017	G	1.72	0.00	A	9.4587	0.0033	0.026	95		9.41	9.50		U	14308−0839	I 2	1							
70957	9.416	0.020	8.785	0.018		0.582	0.020	T	0.65	0.02	L	8.8368	0.0018	0.017	149		8.81	8.87		C	14308−5028	I 1	1							
70958						1.376	0.008	G	1.62	0.01	I	12.5254	0.3062	0.409	4		12.05	13.09			14308−0839	I 2								G
70959	10.398	0.029	8.750	0.014		1.378	0.025	T	1.35	0.03	L	8.7509	0.0022	0.021	117		8.72	8.79					1							
70960	9.257	0.014	8.896	0.015		0.351	0.018	T	0.41	0.02	L	8.9403	0.0019	0.019	126		8.90	8.98					1							
70961	8.342	0.011	7.183	0.008		0.995	0.011	T	0.97	0.01	L	7.2352	0.0009	0.007	78		7.22	7.25					1							S
70962	9.531	0.017	8.392	0.012		0.979	0.016	T	0.96	0.01	L	8.4381	0.0011	0.011	107		8.42	8.46		C			1							
70963	7.791	0.008	7.460	0.008		0.314	0.011	T	0.36	0.01	L	7.5070	0.0009	0.011	112		7.49	7.53		D			1							S
70964	10.551	0.055	8.647	0.019		1.615	0.048	T	1.66	0.14	O	8.5816	0.0029	0.019	78		8.55	8.61					1							S
70965	10.258	0.045	9.672	0.042		0.600	0.020	G	0.67	0.02	H	9.7270	0.0045	0.022	50		9.69	9.77					1							
70966	8.245	0.010	6.541	0.004		1.441	0.002	G	1.44	0.00	H	6.5334	0.0010	0.008	115		6.52	6.55		C			1							S
70967	10.020	0.027	8.987	0.018		0.899	0.024	T	0.90	0.02	L	9.0645	0.0023	0.017	116		9.04	9.11					1							
70968	11.286	0.072	10.535	0.060		0.671	0.071	T	0.73	0.06	L	10.5976	0.0052	0.042	98		10.53	10.68					1							
70969	10.025	0.029	8.613	0.016		1.209	0.027	T	4.60	0.07	O	7.6221	0.0326	0.196	61		7.30	7.78		U 2			1 V							G
70970	11.223	0.107	10.109	0.061	C	0.639	0.071	G	0.70	0.06	R	10.6049	0.0316			C				U 2	14310−4351	I 2	1 C L C							P
70971	9.814	0.019	8.399	0.010		1.190	0.015	G	1.15	0.01	H	8.4483	0.0012	0.014	121		8.43	8.47					1							
70972	8.046	0.010	7.802	0.010		0.228	0.014	T	0.25	0.02	L	7.8590	0.0017	0.011	87		7.84	7.87					1							S P
70973	8.667	0.014	7.781	0.011	*	0.775	0.003	G	0.82	0.00	H *	7.8283	0.0010	0.011	71	*	7.82	7.85		D	14310−0548	I 1	2 C S A	BA	209	0.187	0.005	0.42	0.15	S
70974						1.830	0.400	G	2.27	0.46	K	11.2114	0.0052	0.056	148		11.11	11.32					1 X							G
70975						1.591	0.022	G	2.64	0.01	A	11.9063	0.0064	0.062	83		11.73	12.00		U			1							D
70976	9.385	0.018	8.751	0.016	A	0.584	0.018	T	0.66	0.02	L	8.8419	0.0073	0.034	101	A	8.80	8.92		D	14310−4351	I 2	1 C P C							
70977	8.697	0.009	8.699	0.011		0.024	0.018	G	0.04	0.01	H	8.6993	0.0014	0.019	178		8.66	8.73		C			1							
70978	10.379	0.027	9.938	0.028		0.416	0.036	T	0.48	0.04	L	10.0018	0.0029	0.031	136		9.96	10.07					1							
70979	9.940	0.026	9.487	0.026	A	0.400	0.495	G	0.53	0.07	B *	9.5174	0.0023	0.021	95	*	9.47	9.55		D	14311+2801	I 1	2 C B	AB	176	1.301	0.042	3.01	0.23	
70980	9.846	0.026	8.960	0.020		0.756	0.002	G	0.80	0.00	H	9.0251	0.0022	0.018	75		9.00	9.06		C			1							
70981	10.709	0.050	10.238	0.051		0.444	0.065	T	0.51	0.07	L	10.3271	0.0030	0.025	82		10.28	10.36		C			1							
70982	8.698	0.011	8.278	0.011		0.397	0.014	T	0.46	0.01	L	8.3377	0.0017	0.014	125		8.32	8.36					1							S
70983						0.650	0.020	G	0.71	0.02	H	11.5644	0.0070	0.051	58		11.46	11.62					1							G
70984	10.859	0.077	9.873	0.050		0.864	0.068	T	0.88	0.05	L	9.8567	0.0032	0.022	60		9.82	9.89					1							
70985	8.568	0.013	8.196	0.013	*	0.352	0.017	T	0.41	0.02	L *	8.2498	0.0019	0.021	117	*	8.22	8.29		D	14312+7634	I 1	2 C A	AB	265	9.189	0.008	2.46	0.04	S
70986	10.995	0.063	10.477	0.068		0.486	0.084	T	0.56	0.09	L	10.6847	0.0031	0.027	86		10.64	10.73		C			1							G
70987	7.331	0.005	6.102	0.003		1.060	0.000	G	1.03	0.00	H	6.1552	0.0008	0.007	124		6.14	6.17		C			1							S
70988	7.980	0.007	6.862	0.005		0.963	0.007	T	0.95	0.01	L	6.9131	0.0010	0.008	110		6.90	6.93		C			1							S
70989	10.068	0.029	9.405	0.026		0.580	0.020	G	0.65	0.02	H	9.4772	0.0028	0.025	59		9.43	9.51					1							
70990	9.462	0.014	8.834	0.013		0.584	0.017	T	0.66	0.02	L	8.8998	0.0018	0.021	146		8.87	8.94					1							S
70991	8.885	0.014	8.208	0.012		0.615	0.014	T	0.68	0.01	L	8.2683	0.0010	0.012	69		8.25	8.31		D	14312−1959	I 1	1							S
70992	10.809	0.051	10.296	0.048		0.482	0.063	T	0.55	0.07	L	10.3801	0.0022	0.020	100		10.35	10.42		C			1							
70993	7.851	0.009	7.787	0.011		0.058	0.013	T	0.07	0.01	L	7.7967	0.0014	0.011	81		7.78	7.82		C			1							S
70994	9.767	0.018	9.164	0.017		0.562	0.022	T	0.64	0.02	L	9.2280	0.0016	0.018	137		9.19	9.26					1							
70995						0.574	0.072	G	0.65	0.07	R	10.7277	0.0041	0.024	61		10.68	10.78					1							G
70996	10.165	0.026	8.750	0.014		1.195	0.023	T	1.15	0.02	L	8.7856	0.0016	0.015	99		8.75	8.82					1							
70997	9.096	0.014	8.824	0.016		0.259	0.020	T	0.29	0.03	L	8.8483	0.0026	0.022	127		8.81	8.88		U			1							S
70998	7.658	0.007	7.492	0.008		0.151	0.010	T	0.17	0.01	L	7.5324	0.0009	0.011	107		7.52	7.55		C			1							S
70999	9.999	0.024	8.566	0.013		1.209	0.021	T	1.17	0.02	L	8.6071	0.0082	0.076	115		8.49	8.69		U 2 C			1							S
71000	9.370	0.013	8.742	0.012	*	0.584	0.016	T	0.66	0.01	L *	8.7914	0.0016	0.016	154	*	8.76	8.82			14313+3955	H 1	2 C S B	AB	92	0.141	0.010	0.13	0.75	S

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 (ICRS) α deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)										Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
71001	14 31 16.13	−51 22 55.9	9.54	H	217.817 195 90	−51.382 181 11	19.31	−25.13	−108.54	0.89	0.84	1.41	1.05	1.27	−12	−22	−16	+ 9	+17	−13	+ 9	−19	+38	−12	4	0.92
71002 H	14 31 16.39	−67 43 01.4	5.84	G	217.818 275 28	−67.717 054 01 A	11.88	36.16	−58.80	0.45	0.50	0.68	0.46	0.51	+22	−10	− 2	+ 6	+16	−14	+12	+18	+ 3	+44	1	−1.25
71003	14 31 18.17	−47 04 19.6	7.28	H	217.825 706 72	−47.072 120 34	1.65	−16.69	−11.80	0.53	0.46	0.80	0.67	0.71	−15	−26	+ 2	+19	+ 4	−20	+ 8	− 7	− 5	−10	0	−0.12
71004	14 31 18.38	+26 24 42.7	10.11	H	217.826 577 52	+26.411 865 69	3.24	−23.54	47.01	1.28	1.15	1.70	1.28	1.25	+ 2	−22	−33	−37	−13	+19	− 3	−18	−19	−30	0	−0.51
71005	14 31 18.58	−11 52 12.5	8.37	H	217.827 405 18	−11.870 141 69	6.35	−30.62	−14.69	1.06	0.69	1.16	1.29	0.98	−23	−20	−19	+34	+ 2	− 1	− 9	−30	+27	−36	0	0.20
71006 H	14 31 19.62	−15 38 16.5	7.97	H	217.831 747 88	−15.637 913 12 A	22.85	221.95	−375.28	1.67	1.24	1.65	1.86	1.33	−19	−30	−21	+12	+ 0	− 5	− 9	−10	+31	−12	0	−0.13
71007	14 31 20.04	+55 09 57.1	8.52	H	217.833 484 35	+55.165 871 87	4.73	4.83	−12.46	0.70	0.66	0.80	0.89	0.81	+20	− 3	−22	+18	− 5	+ 0	− 5	+11	−24	+11	0	0.85
71008	14 31 20.45	+43 22 56.4	6.73	H	217.835 212 44	+43.382 333 54	9.20	−16.07	2.45	0.43	0.46	0.59	0.51	0.49	+10	− 2	−11	+11	+ 4	− 7	+ 4	+17	− 6	+ 2	0	−2.67
71009	14 31 22.36	+33 20 34.9	10.84	H	217.843 163 81	+33.343 039 74	7.54	34.91	−45.45	1.72	1.99	2.66	2.24	2.28	− 1	+ 0	− 3	+ 1	+ 5	− 1	+ 4	− 5	+ 5	−10	0	
71010	14 31 22.75	−23 04 59.1	9.50	G	217.844 794 01	−23.083 087 32	0.09	− 8.13	0.47	1.25	0.94	1.74	1.46	1.57	−37	−34	−10	+12	+ 6	− 5	−14	−29	+49	−43	0	−1.56
71011	14 31 23.41	+20 41 12.5	9.67	H	217.847 560 04	+20.686 806 61	3.32	0.94	−13.97	0.95	0.98	1.41	1.10	1.09	−22	+12	−35	+34	+ 0	+ 5	+ 0	+11	− 8	−24	0	0.15
71012	14 31 23.52	+33 05 18.8	8.57	H	217.847 991 34	+33.088 563 11	5.68	24.32	−34.51	0.66	0.77	1.09	1.02	0.97	− 1	+ 7	− 3	+11	+ 7	−14	+ 4	+ 3	− 2	−15	0	−1.23
71013	14 31 24.02	−57 29 45.8	9.66	H	217.850 090 73	−57.496 054 82	0.85	− 4.33	− 5.52	1.30	0.93	1.66	1.24	1.07	+ 3	−50	− 6	+34	−14	−11	−22	+40	+11	+26	0	0.80
71014	14 31 25.41	−40 35 44.1	9.28	H	217.855 862 74	−40.595 572 23	5.41	−55.05	−13.95	1.08	0.85	1.40	1.19	1.29	−17	−14	− 7	−12	+15	−13	+14	−52	+12	−19	0	−0.92
71015	14 31 25.74	+56 09 29.2	9.72	2 H	217.857 242 91	+56.158 116 65	−0.62	−20.96	22.83	0.81	0.88	0.95	1.01	1.07	+23	+11	+ 0	− 7	− 6	− 4	− 7	−20	− 9	+24	5	0.65
71016	14 31 26.10	+27 46 39.9	8.48	H	217.858 741 83	+27.777 754 03	5.31	−13.42	24.21	0.74	0.73	1.01	0.77	0.77	−15	− 5	−22	−13	+ 2	− 8	+ 1	− 2	−14	−26	0	0.36
71017	14 31 27.45	−13 37 01.0	9.34	G	217.864 377 15	−13.616 946 73	10.28	172.13	−246.98	1.48	1.06	1.51	1.83	1.27	−17	+ 5	−33	+52	−14	+28	− 7	+17	− 1	−20	0	1.53
71018	14 31 29.26	−47 43 47.1	7.18	H	217.871 923 79	−47.729 753 79	10.06	−49.61	74.80	0.55	0.53	0.87	0.62	0.75	−22	−24	+12	+ 4	+ 3	−28	+10	−10	−11	−17	0	−1.76
71019	14 31 30.16	−26 35 51.1	8.88	G	217.875 658 37	−26.597 520 18	11.42	115.12	−446.54	1.09	0.84	1.32	1.24	1.05	−27	−17	−21	− 8	+ 1	−13	− 4	−31	+14	−30	0	−2.42
71020	14 31 30.83	−35 21 09.7	8.84	H	217.878 478 60	−35.352 696 88	7.66	−42.90	−14.19	1.04	0.83	1.40	1.31	1.17	−27	−15	−24	+14	+11	+ 2	+ 0	−47	+31	−40	0	0.94
71021	14 31 31.25	−00 42 16.3	11.16	G	217.880 190 60	−00.704 528 23	14.02	−83.87	−197.98	2.44	1.92	3.23	3.55	2.51	−32	−17	−26	+13	+ 8	−33	− 6	−16	+37	−41	0	−0.88
71022	14 31 31.30	+10 14 13.9	10.06	H	217.880 432 25	+10.237 197 36	7.94	−124.17	27.40	1.23	1.14	1.57	1.39	1.19	−20	−20	−32	−18	−36	+31	−25	+21	− 6	+33	0	0.52
71023	14 31 33.41	−44 45 01.8	8.94	H	217.889 226 60	−44.750 498 11	5.42	−22.26	−17.88	0.99	0.58	1.13	1.32	0.89	+ 6	−31	− 7	−16	− 6	+ 4	− 9	−29	+21	+22	0	−0.59
71024	14 31 33.52	−28 37 34.2	8.59	H	217.889 648 43	−28.626 170 36	6.44	−22.87	−21.15	0.98	0.79	1.20	1.34	0.90	−33	+ 6	−15	+19	−20	+26	−12	− 4	−16	−23	0	−0.01
71025	14 31 33.79	+17 38 34.9	7.35	H	217.890 788 43	+17.643 020 28	8.66	−36.30	−32.14	0.58	0.61	0.91	0.60	0.63	−38	+ 3	−35	+27	− 5	+11	− 3	+28	−38	−53	2	0.43
71026	14 31 35.49	+14 35 46.2	10.23	H	217.897 866 55	+14.596 159 75	1.82	7.50	−5.10	1.19	1.26	1.75	1.48	1.57	−47	− 9	− 3	+13	+ 7	− 1	+ 7	−11	−29	−51	0	0.67
71027	14 31 36.60	−42 24 40.9	8.31	H	217.902 515 84	−42.411 356 16	3.74	−12.01	1.55	1.01	0.71	1.16	1.38	1.11	−24	−13	− 1	−38	+12	−16	+17	−60	− 2	− 6	0	0.78
71028	14 31 37.15	−68 23 37.2	8.80	H	217.904 780 95	−68.393 653 74	5.36	−71.82	−30.96	0.70	0.78	1.20	0.81	0.93	+28	−18	+ 6	+ 2	+ 5	−29	+10	+ 2	−16	+46	0	−0.49
71029	14 31 38.04	+70 14 45.6	8.35	G	217.908 512 51	+70.246 011 97	6.98	−41.40	− 0.18	0.56	0.67	0.67	0.84	0.84	+ 8	+ 0	−23	+ 7	− 5	+ 9	− 2	−22	+ 3	+ 8	0	0.81
71030	14 31 38.48	+88 51 31.9	8.65	H	217.910 344 41	+88.858 862 51	1.89	19.43	− 9.47	0.65	0.67	0.76	0.75	0.79	+ 0	+ 1	−16	− 1	−18	− 5	−19	+ 2	−10	− 5	3	1.10
71031	14 31 39.18	−74 23 29.6	7.70	H	217.913 262 42	−74.391 548 93	1.58	14.96	−20.22	0.54	0.59	0.78	0.64	0.67	+15	− 5	+13	−11	+ 3	−30	+ 4	+13	+ 2	+23	1	0.12
71032	14 31 39.88	+30 44 35.9	8.81	H	217.916 165 17	+30.743 292 25	11.02	−26.65	− 4.47	0.83	0.74	1.24	1.36	1.04	+ 6	− 7	−26	+25	− 8	−27	−19	+17	−11	−47	0	−0.42
71033	14 31 40.05	−32 01 14.0	8.94	H	217.916 867 50	−32.020 552 33	3.09	6.87	−30.63	1.11	0.79	1.35	1.38	0.99	−21	−16	−12	+24	−11	+27	−10	− 7	+ 5	−24	0	1.19
71034	14 31 40.85	+12 51 22.5	7.56	G	217.920 220 73	+12.856 259 57	18.52	−108.44	75.62	0.83	0.76	1.04	0.93	0.85	−25	−24	−21	− 8	−16	+30	− 5	+ 7	−18	−39	0	0.37
71035	14 31 40.91	−52 10 50.2	10.49	H	217.920 463 28	−52.180 608 61	2.51	−29.26	− 2.93	2.62	2.17	3.49	3.34	3.19	−13	−20	− 5	+ 1	+14	− 9	+19	−30	+ 7	+ 7	0	
71036	14 31 41.43	−43 05 17.3	7.86	H	217.922 628 48	−43.088 148 58	9.85	−90.37	−37.53	0.86	0.65	1.08	0.84	1.05	−20	−38	−10	−10	+24	−13	+12	−46	+12	−44	0	−0.28
71037	14 31 41.66	−53 30 45.9	8.62	H	217.923 597 70	−53.512 742 21	9.23	−44.60	−44.22	0.70	0.70	0.99	0.76	0.90	−19	−24	+ 8	− 2	+13	−18	+16	−20	+ 3	−16	0	−0.13
71038	14 31 41.70	+08 18 07.3	8.35	H	217.923 750 61	+08.302 029 62	4.30	− 8.06	−11.46	0.91	0.89	1.25	0.91	0.90	−29	−30	−32	−24	+ 3	+20	+ 4	−40	+15	−41	0	0.89
71039	14 31 42.64	−45 52 10.1	8.45	H	217.927 664 87	−45.869 485 15	4.89	−53.33	−57.35	0.89	0.60	1.14	0.84	0.86	+ 6	−36	− 5	− 8	− 1	−13	− 7	−30	+15	+ 1	0	0.40
71040	14 31 42.87	+60 13 32.1	6.26	H	217.928 617 54	+60.225 587 84	7.83	−48.41	19.68	0.44	0.44	0.50	0.47	0.46	+10	−17	−18	−17	+ 2	− 8	+ 3	+ 3	− 9	+ 4	1	0.40
71041 H	14 31 44.00	+01 50 18.4	9.44	H	217.933 334 86	+01.838 451 10 B	6.79	− 9.06	5.26	8.15	6.92	5.64	6.69	7.44	− 4	−33	+ 7	+33	−18	− 2	−20	+14	+15	−69	1	2.61
71042	14 31 45.96	−58 53 22.1	9.17	H	217.941 514 86	−58.889 482 47	−0.34	− 2.86	− 4.11	0.86	0.81	1.22	1.35	1.00	+30	−11	+ 9	+20	+ 8	−23	+ 9	+35	− 7	+60	0	0.21
71043	14 31 46.39	+50 55 42.6	8.45	H	217.943 280 43	+50.928 490 34	2.50	−82.38	−12.31	0.63	0.66	0.81	0.78	0.77	+11	− 8	−21	+15	−22	+15	−26	− 9	− 9	−21	0	−0.61
71044	14 31 46.96	−13 11 30.4	8.17	H	217.945 669 67	−13.191 788 15	4.43	−22.84	18.65	1.03	0.90	1.09	1.27	1.17	−26	− 7	−34	+50	−14	+16	−10	+22	− 2	−39	0	−1.34
71045	14 31 47.02	−24 33 32.5	8.13	H	217.945 923 79	−24.559 034 92	2.07	− 9.52	−12.56	0.84	0.71	1.13	0.97	0.90	−35	−15	−29	+ 3	+ 9	− 5	+ 8	−45	+47	−19	0	1.17
71046	14 31 47.06	−44 48 24.1	7.16	H	217.946 091 22	−44.806 681 97	1.96	− 6.40	− 7.07	0.75	0.46	0.89	0.84	0.67	+ 4	−33	−14	−11	+ 2	−14	− 5	−29	+20	+ 3	0	−1.54
71047	14 31 47.34	−32 33 23.3	9.34	H	217.947 230 32	−32.556 461 39	15.62	67.05	−21.79	1.18	0.93	1.51	1.44	1.08	−23	−20	−22	+ 5	− 5	− 3	− 6	−23	+29	− 6	0	−0.28
71048	14 31 48.03	−38 33 29.3	8.18	2 H	217.950 120 67	−38.558 151 11	0.88	−18.27	−13.00	0.80	0.61	1.11	0.79	0.91	− 4	−38	−26	+ 0	+19	−15	− 3	−42	+39	−32	2	1.49
71049	14 31 48.69	+31 19 15.8	8.57	H	217.952 871 75	+31.321 057 43	3.30	−14.17	6.63	0.78	0.71	1.09	1.15	0.96	+ 2	− 5	−23	+19	− 7	−11	− 9	+22	−22	−40	0	−1.45
71050	14 31 48.92	−64 17 00.5	8.21	G	217.953 839 13	−64.283 478 38	22.86	−116.18	−152.57	0.64	0.73	1.02	0.79	0.92	+30	−16	− 1	+28	+18	− 8	+27	+ 6	−12	+60	0	0.35
71051	14 31 49.05	+15 15 06.5	9.97	H	217.954 388 70	+15.251 812 63	7.44	56.44	−69.65	1.23	1.41	2.03	1.77	1.60	−47	− 2	−44	+23	+31	−41	+ 7	−23	+13	−65	2	−0.03
71052	14 31 49.78	+06 41 35.5	8.79	2 T	217.957 409 35	+06.693 187 39	3.63	−25.72	− 0.40	1.14	1.14	1.58	1.17	1.22	−18	+ 6	−50	−32	− 6	+15	− 4	−57	+35	−26	0	−1.42
71053	14 31 49.86	+30 22 16.1	3.57	H	217.957 740 98	+30.371 144 97	21.92	−100.44	120.22	0.50	0.45	0.81	0.87	0.64	+12	+ 1	−25	− 6	− 6	−36	− 1	+18	+ 2	−48	0	−1.04
*71054	14 31 50.22	+51 01 15.7	7.46	H	217.959 233 72	+51.021 025 49	10.25	23.40	27.35	0.55	0.58	0.70	0.69	0.68	+ 8	−10	−25	+18	−23	+ 9	−29	− 8	− 3	−28	0	0.79
*71055 H	14 31 50.12	−76 16 26.2	6.93	H	217.958 824 80	−76.273 947 73 A	1.63	− 5.04	− 5.79	0.65	0.65	0.77	0.69	0.74	+ 9	−17	+ 9	+ 7	+20	+ 4	+16	+19	− 4	+25	3	−0.20
71056	14 31 51.72	+49 35 08.5	8.48	G	217.965 512 41	+49.585 684 30	5.43	9.32	− 1.21	0.58	0.64	0.79	0.65	0.68	+13	−15	−28	+ 3	−19	+15	−21	−13	+ 1	−19	0	0.69
71057	14 31 51.88	−04 45 51.6	9.43	H	217.966 162 35	−04.764 329 22	2.98	−19.14	−27.18	1.35	0.95	1.50	1.52	1.13	−26	−11	−25	+29	−18	+25	−13	−10	+ 7	−24	0	−0.31
71058	14 31 53.53	−31 12 01.5	9.68	G	217.973 046 36	−31.200 430 42	10.63	−28.81	−13.33	1.44	0.90	1.70	2.00	1.12	−12	−12	−30	+26	−24	+43	−13	+ 3	− 8	−21	0	−0.61
71059 H	14 31 53.87	−32 27 09.9	8.93	H	217.974 473 75	−32.452 742 11 A	−1.15	−34.19	1.51	2.89	2.17	3.16	2.94	2.27	−32	−19	−14	+ 8	−12	+ 6	−12	−22	+23	−22	1	−0.56
71060	14 31 54.56	+63 56 47.8	9.08	H	217.977 319 71	+63.946 622 00	8.36	− 8.38	− 7.33	0.73	0.88	0.90	0.90	1.04	+10	−15	−24	+ 4	− 5	+ 4	− 7	+ 9	+11	− 2	0	0.48
71061	14 31 54.74	+59 56 49.5	8.98	H	217.978 089 13	+59.947 073 54	9.79	7.45	22.07	0.70	0.71	0.80	0.81	0.79	+18	−14	−18	− 9	+ 5	− 4	+ 6	+11	−13	+13	0	0.84
71062	14 31 55.90	−68 48 33.1	8.39	H	217.982 899 27	−68.809 187 79	13.41	−159.35	−183.53	0.59	0.72	1.00	0.69	0.90	+25	−15	+ 6	+ 0	− 1	− 7	− 3	+15	− 7	+40	0	−1.83
71063	14 31 57.41	−16 21 45.0	7.56	H	217.989 188 87	−16.362 493 79	4.31	4.53	−17.99	0.92	0.73	1.14	1.07	0.82	−15	−31	−37	+ 7	−16	+12	−13	+ 7	+ 4	−27	0	−0.86
71064	14 31 59.56	+18 46 00.9	8.73	H	217.998 158 01	+18.766 904 48	−0.06	− 0.71	−12.98	0.79	0.79	1.19	0.89	0.81	−27	− 2	−41	+25	+ 9	− 9	+ 3	+23	−29	−40	0	0.80
71065	14 31 59.99	+80 20 51.3	9.37	H	217.999 961 97	+80.347 589 54	4.36	−13.06	16.57	0.80	0.79	0.90	0.98	0.95	− 4	+13	−26	−15	− 4	− 5	− 5	− 5	− 6	−15	0	−0.77
71066	14 32 00.15	−32 11 08.1	7.51	H	218.000 612 51	−32.185 579 83	5.46	−34.50	− 6.03	0.92	0.61	0.96	1.10	0.74	−13	− 7	− 2	+41	− 6	+11	− 6	+ 7	+ 8	−10	2	1.58
71067	14 32 00.84	+28 38 10.0	9.57	H	218.003 501 61	+28.636 098 63	3.17	2.91	−28.74	0.87	1.17	1.53	1.22	1.21	−21	+ 0	−34	−14	−13	+34	+ 1	+25	−19	−33	0	1.19
71068	14 32 01.79	−48 50 56.5	7.87	H	218.007 453 43	−48.849 015 20	3.44	−19.97	− 0.41	0.64	0.54	1.03	0.84	0.87	−29	−22	− 3	+12	+ 8	−17	+ 8	−13	+18	−15	0	1.41
71069	14 32 01.96	+75 16 36.7	7.83	H	218.008 169 19	+75.276 857 95	3.45	11.68	−47.11	0.53	0.54	0.59	0.52	0.60	+ 6	− 5	−21	−19	− 6	− 3	− 6	+17	−13	+ 3	0	1.22
71070	14 32 02.15	+21 30 20.9	9.79	H	218.008 964 04	+21.505 800 38	4.72	−73.22	−29.32	1.06	1.07	1.49	1.28	1.19	−19	+ 9	−33	+22	−12	+22	− 7	+26	−23	−20	0	−1.79
*71071	14 32 02.18	−20 56 51.7	7.95	H	218.009 093 74	−20.947 681 12	4.20	15.91	− 7.92	0.80	0.58	0.94	1.02	0.73	−28	−25	− 7	− 4	−10	+10	−10	−12	+17	− 2	0	1.18
*71072	14 32 02.18	+22 04 47.4	8.76	H	218.009 071 02	+22.079 836 10	7.33	−42.10	21.48	0.92	0.78	1.23	1.01	0.85	− 3	−29	−34	+10	+ 1	−18	+ 4	+24	−23	−26	0	0.95
71073	14 32 03.19	−01 47 20.5	8.33	H	218.013 272 54	−01.789 032 84	7.88	− 2.19	15.93	1.39	0.87	1.62	1.68	1.26	−11	+ 6	−39	+58	+ 2	+20	+ 9	−25	+51	− 6	0	2.83
71074	14 32 04.32	−45 26 39.5	8.33	H	218.017 997 11	−45.444 293 59	2.46	6.69	−23.91	0.95	0.69	1.25	0.96	0.89	− 5	−40	− 1	+ 8	+ 4	−32	+ 2	−32	+11	+ 1	0	0.11
*71075	14 32 04.76	+38 18 28.4	3.04	G	218.019 824 21	+38.307 883 48	38.29	−115.55	151.87	0.40	0.52	0.73	0.47	0.55	+19	+ 7	−29	− 1	+ 1	−21	− 6	+18	−31	+15	0	0.74
*71076	14 32 04.67	+18 50 09.8	7.81	H	218.019 467 57	+18.836 042 25	16.95	−240.35	13.44	0.71	0.73	1.04	0.79	0.75	−22	− 6	−35	+32	+12	−13	+ 7	+28	−24	−32	0	2.05
71077	14 32 05.21	−27 42 32.1	7.51	2 H	218.021 694 31	−27.708 906 40	10.08	−130.27	−95.13	0.84	0.66	0.99	1.07	0.82	−38	− 9	+ 3	+ 6	−24	+ 8	−23	− 2	+ 4	−30	0	−0.32
71078	14 32 05.67	+52 30 03.7	9.78	H	218.023 635 46	+52.501 024 82	0.81	−17.68	18.47	0.83	0.94	1.10	0.83	1.05	+21	−31	−31	−10	− 7	+14	−12	−37	+10	− 5	3	−0.79
71079	14 32 06.94	+84 18 24.5	9.85	H	218.028 905 48	+84.306 792 19	2.01	−15.77	3.59	0.81	0.86	0.99	0.99	1.18	+12	− 6	+ 4	−16	−13	+ 2	−12	+ 3	+ 3	+ 2	1	2.44
71080	14 32 07.86	−23 26 47.6	7.03	G	218.032 734 82	−23.446 555 91	9.48	32.69	−10.92	0.79	0.64	1.02	0.98	1.01	−43	−26	−10	+18	+ 2	−13	−10	−18	+44	−45	0	0.31
71081	14 32 10.93	+35 46 21.2	8.90	1 H	218.045 550 47	+35.772 550 72	10.99	49.09	−44.50	0.57	0.83	1.12	0.62	0.86	+33	− 7	−19	+12	−15	− 9	−15	+ 8	−13	+28	0	−0.07
71082	14 32 11.36	−54 30 36.3	9.14	H	218.047 336 67	−54.510 073 41	1.56	−30.39	−16.38	0.97	0.73	1.39	0.95	1.08	+ 1	−49	− 3	+ 8	+ 5	−19	+ 0	−10	+11	−10	0	−0.91
71083	14 32 11.95	−10 56 07.2	8.37	H	218.049 796 97	−10.935 320 18	2.95	− 4.96	13.56	0.95	0.66	1.02	1.07	0.85	−25	−20	− 6	+35	− 3	−13	−10	− 5	+28	−31	0	0.27
71084	14 32 12.34	−26 47 04.7	7.47	H	218.051 415 16	−26.784 646 76	4.15	8.07	−44.50	0.86	0.77	1.21	1.04	0.94	−32	− 2	−44	− 7	+ 8	−10	+ 2	−43	+36	−39	0	−1.69
71085	14 32 12.98	+04 08 32.4	7.26	2 H	218.054 098 89	+04.142 325 42	1.05	−12.18	− 3.31	0.81	0.60	0.96	0.93	0.76	−26	−10	− 4	−19	−23	− 1	−24	− 5	+19	−44	0	−1.88
71086	14 32 13.12	+11 21 09.5	9.69	G	218.054 657 30	+11.352 633 40	27.49	58.43	190.02	5.17	4.25	6.21	6.18	4.39	−16	−10	−31	−39	− 4	+13	− 3	−27	+21	− 7	0	
71087	14 32 13.49	+17 25 25.2	9.84	G	218.056 225 29	+17.423 656 09	1.52	−14.09	−99.78	0.98	1.03	1.45	1.05	1.07	−43	+ 9	−30	+21	− 2	+ 5	− 4	+29	−29	−55	0	0.26
71088	14 32 16.22	+14 50 01.9	10.82	H	218.067 583 46	+14.833 850 94	1.48	−30.19	2.04	1.52	1.73	2.25	2.03	2.10	−56	+11	−30	+ 9	+18	−25	+ 8	−16	+ 4	−64	0	0.96
71089	14 32 17.14	−51 20 19.1	7.54	H	218.071 432 32	−51.338 640 11	2.20	−12.87	− 4.95	0.59	0.51	0.90	0.68	0.79	−14	−29	+ 0	+14	+10	−15	+ 4	−12	+29	−15	0	−0.73
*71090	14 32 17.74	+80 20 27.0	8.91	1 H	218.073 903 11	+80.340 827 99	1.47	2.87	− 2.79	0.74	0.75	0.83	0.92	0.88	− 3	+11	−26	−21	− 4	− 3	− 6	− 6	−15	0	−0.32	
*71091	14 32 17.60	−33 36 24.0	9.28	H	218.073 343 54	−33.606 654 27	2.57	− 4.18	6.71	1.24	0.95	1.67	1.40	1.08	− 7	−19	−46	+ 0	− 4	+11	− 5	−38	+37	− 9	0	0.02
71092	14 32 18.37	+30 15 36.1	7.79	H	218.076 542 41	+30.260 031 65	3.54	−32.43	28.30	0.71	0.59	1.01	1.22	0.91	+21	+ 4	− 9	−28	−14	−18	+15	+19	− 5	−55	0	−0.43
71093	14 32 19.02	−63 00 53.1	8.44	H	218.079 256 31	−63.014 748 84	0.98	− 9.71	− 5.64	0.49	0.74	1.09	0.58	0.84	+27	−13	−18	+47	+23	−16	+25	+35	−23	+41	0	0.98
71094 H	14 32 20.27	+26 40 38.4	6.00	H	218.084 465 59	+26.677 342 38 *	14.03	−69.92	−23.82	1.05	1.20	0.92	0.71	0.79	−28	−17	− 9	−30	−26	+30	−24	+16	−16	−47	2	−0.11
71095	14 32 21.25	+16 47 54.9	8.93	H	218.088 557 49	+16.798 575 29	2.82	0.68	− 7.08	0.87	0.81	1.24	0.91	0.82	−37	+ 6	−22	+22	+13	+ 5	+10	+25	−30	−51	3	−1.15
71096	14 32 21.51	−22 39 25.5	10.04	G	218.089 635 47	−22.657 080 63	5.21	−32.80	−17.22	1.21	0.93	1.49	1.45	1.37	−35	−21	−11	+17	− 6	+17	−10	−11	+14	−45	0	−0.88
71097	14 32 21.59	+31 38 06.6	9.89	H	218.089 974 64	+31.635 154 06 B	3.20	22.43	−26.36	11.68	10.29	6.67	11.06	8.97	+ 8	+ 5	−11	− 3	−14	+ 7	− 6	+16	−14	−42	16	1.72
71098	14 32 21.80	−17 52 52.3	8.49	H	218.090 836 76	−17.881 203 60	4.88	−24.25	− 2.46	1.04	0.72	1.13	1.18	0.85	−11	−10	−20	+27	− 5	+20	− 3	− 9	+16	−10	0	−1.20
71099	14 32 22.14	+33 11 37.6	8.69	H	218.092 239 05	+33.193 775 33	4.89	− 5.93	0.01	0.66	0.71	1.07	0.92	0.81	− 6	+ 4	− 4	+13	−12	−10	−12	+ 7	− 2	−31	0	−

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
71001	10.683	0.035	9.602	0.022		0.926	0.033	T	0.92	0.02	L	9.6851	0.0022	0.026	157		9.63	9.73		C			1 S							G
71002	7.143	0.004	5.961	0.003	*	1.006	0.005	G	0.98	0.00	H *	5.9940	0.0009	0.008	178	*	5.98	6.01		D	14313−6743	I 1	2 C A	AC	351	0.912	0.007	2.73	0.02	S
71003	7.253	0.005	7.276	0.006		−0.016	0.007	T	0.01	0.01	L	7.2887	0.0009	0.009	148		7.27	7.30		C			1							S
71004	10.643	0.040	10.188	0.042		0.429	0.053	T	0.50	0.06	L	10.2046	0.0030	0.029	97		10.16	10.25		C			1							
71005	9.695	0.020	8.503	0.013		1.021	0.019	T	0.99	0.02	L	8.5381	0.0016	0.015	85		8.52	8.57		C			1							
71006	8.658	0.028	7.891	0.021	*	0.710	0.002	G	0.76	0.00	H *	8.1069	0.0019	0.009	61	*	8.09	8.13		D	14313−1538	I 1	2 C A	AB	79	1.756	0.004	0.95	0.02	S
71007	8.914	0.013	8.569	0.013		0.352	0.015	G	0.41	0.02	H	8.6069	0.0015	0.015	107		8.59	8.63		C			1							S
71008	6.845	0.004	6.748	0.005		0.095	0.006	T	0.11	0.01	L	6.7710	0.0008	0.009	140		6.75	6.78		C			1							S
71009	11.560	0.074	10.928	0.067		0.587	0.087	T	0.66	0.08	L	10.9645	0.0037	0.046	141		10.86	11.04					1 X							G
71010	9.596	0.026	9.487	0.033		0.050	0.020	G	0.06	0.02	H	9.5449	0.0020	0.019	69		9.52	9.58		C			1							
71011	11.787	0.126	9.875	0.036		1.621	0.108	T	2.05	0.23	K	9.7496	0.0023	0.023	80		9.71	9.78					1							
71012	9.720	0.015	8.675	0.011		0.908	0.014	T	0.91	0.01	L	8.7339	0.0019	0.019	154		8.70	8.77					1							S
71013	10.045	0.024	9.673	0.026		0.352	0.033	T	0.41	0.04	L	9.7476	0.0022	0.023	130		9.71	9.78		C			1							G
71014	9.874	0.022	9.375	0.021		0.480	0.023	T	0.55	0.02	L	9.3841	0.0026	0.019	108		9.35	9.42		C			1							
71015	12.015	0.126	9.939	0.032		1.718	0.104	T	1.74	0.11	L	9.8208	0.0069	0.064	117		9.75	9.91		U 2			1 S							
71016	9.786	0.022	8.588	0.013		1.025	0.020	T	1.00	0.02	L	8.6512	0.0012	0.016	89		8.62	8.67					1							
71017	10.170	0.036	9.425	0.029		0.618	0.003	G	0.69	0.00	H	9.4715	0.0032	0.018	55		9.45	9.51		C			1							
71018	8.388	0.010	7.292	0.006		0.947	0.009	T	0.94	0.01	L	7.3473	0.0009	0.010	143		7.33	7.36		C			1							S
71019	9.713	0.038	8.984	0.031		0.768	0.003	G	0.81	0.00	H	9.0336	0.0018	0.014	76		9.01	9.06		C			1							
71020	9.268	0.017	8.862	0.017		0.397	0.020	T	0.46	0.02	L	8.9290	0.0016	0.016	90		8.90	8.95		C			1							
71021						0.980	0.029	G	1.02	0.03	I	11.2624	0.0057	0.037	57		11.19	11.33		C			1							G
71022	10.948	0.055	10.036	0.038		0.809	0.050	T	0.84	0.04	L	10.2122	0.0040	0.024	76		10.18	10.25					1							
71023	9.369	0.016	8.966	0.017		0.394	0.019	T	0.46	0.02	L	9.0283	0.0014	0.012	100		9.01	9.05					1							
71024	9.141	0.016	8.648	0.016		0.516	0.007	G	0.59	0.01	H	8.7030	0.0033	0.024	68		8.66	8.73					1							
71025	7.879	0.008	7.389	0.008		0.461	0.010	T	0.53	0.01	L	7.4503	0.0009	0.009	113		7.44	7.46		C			1							S
71026	10.787	0.049	10.207	0.044		0.542	0.058	T	0.62	0.06	L	10.3471	0.0025	0.022	98		10.30	10.39					1							
71027	8.785	0.013	8.366	0.013		0.397	0.003	G	0.46	0.00	H	8.4027	0.0012	0.013	99		8.38	8.42					1							
71028	10.054	0.022	8.908	0.014		0.985	0.020	T	0.97	0.02	L	8.9605	0.0019	0.023	168		8.92	9.01					1							
71029	8.739	0.011	8.387	0.012		0.330	0.023	G	0.38	0.03	H	8.4249	0.0014	0.011	90		8.41	8.45					1							S
71030	10.713	0.037	8.839	0.014		1.557	0.031	T	1.57	0.03	L	8.7698	0.0019	0.021	135		8.74	8.80		R			1 S							
71031	9.439	0.015	7.868	0.008		1.318	0.013	T	1.28	0.01	L	7.8591	0.0013	0.014	149		7.84	7.88					1							
71032	9.641	0.021	8.890	0.018		0.686	0.022	T	0.74	0.02	L	8.9539	0.0019	0.018	120		8.92	8.99		C			1							S
71033	10.007	0.027	9.028	0.019		0.859	0.025	T	0.87	0.02	L	9.0999	0.0026	0.013	68		9.08	9.13					1							
71034	8.125	0.009	7.590	0.009		0.519	0.015	G	0.59	0.02	H	7.6597	0.0013	0.012	79		7.64	7.68		D			1							S
71035	11.286	0.067	10.531	0.053		0.689	0.067	T	0.75	0.06	L	10.6370	0.0049	0.044	141		10.55	10.70					1 X S							G
71036	8.453	0.010	7.904	0.010		0.501	0.006	G	0.55	0.02	A	7.9668	0.0015	0.013	110		7.94	7.99		C			1							S
71037	9.167	0.013	8.655	0.012		0.481	0.016	T	0.55	0.02	L	8.7267	0.0017	0.018	132		8.70	8.76		C			1							
71038	9.927	0.025	8.491	0.014		1.212	0.022	T	1.17	0.02	L	8.5181	0.0012	0.012	91		8.49	8.55		C			1							
71039	9.587	0.019	8.565	0.014		0.891	0.018	T	0.90	0.01	L	8.6122	0.0013	0.014	113		8.59	8.63		C			1							
71040	6.549	0.005	6.294	0.004		0.243	0.006	T	0.27	0.01	L	6.3306	0.0010	0.009	125		6.32	6.35					1							S P
71041	9.344	0.028	8.904	0.029	*	0.415	0.037	T	0.48	0.04	L *	9.5421	0.0053	0.027	70	*	9.50	9.59		R	14317+0150	I 1	2 C B	BA	337	1.860	0.006	0.10	0.03	S
71042	9.242	0.014	9.141	0.018		0.101	0.015	G	0.06	0.01	L	9.1939	0.0021	0.023	116		9.16	9.25					1							
71043	9.525	0.016	8.559	0.012		0.849	0.015	T	0.86	0.01	L	8.6075	0.0012	0.013	117		8.59	8.63		C			1							S
71044	9.401	0.020	8.268	0.014		0.975	0.019	T	0.96	0.01	L	8.3315	0.0018	0.013	66		8.30	8.35		C			1							
71045	10.151	0.031	8.319	0.013		1.524	0.027	T	1.56	0.04	L	8.2502	0.0014	0.013	83		8.23	8.27		C			1							S
71046	9.091	0.014	7.315	0.007		1.480	0.012	T	1.50	0.02	L	7.2914	0.0008	0.007	108		7.28	7.30		D			1							S
71047	10.151	0.033	9.404	0.027		0.668	0.032	T	0.73	0.03	L	9.4730	0.0029	0.024	75		9.44	9.52					1							
71048	10.299	0.027	8.413	0.011		1.600	0.024	T	2.48	0.06	O	8.1995	0.0112	0.079	119		8.06	8.31	24.69	P 1 A			1 S							
71049	10.139	0.023	8.711	0.013		1.205	0.021	T	1.16	0.02	L	8.7379	0.0020	0.017	128		8.71	8.78		C			1							
71050	9.014	0.011	8.291	0.010		0.637	0.002	G	0.70	0.00	H	8.3454	0.0017	0.017	162		8.31	8.39					1							
71051	10.971	0.047	10.048	0.031		0.817	0.042	T	0.84	0.03	L	10.1256	0.0028	0.023	122		10.08	10.17		C			1							
71052	9.368	0.020	8.846	0.019		0.490	0.025	T	0.56	0.03	L	8.8996	0.0369	0.146	77		8.77	9.13	1.29	P 1 A			1 S							
71053	5.271	0.002	3.722	0.002		1.298	0.007	G	1.22	0.03	C	3.7331	0.0003	0.005	131		3.73	3.74			14318+3022	I 1	1							S
71054	7.880	0.008	7.502	0.008		0.392	0.003	G	0.46	0.00	H	7.5513	0.0011	0.009	114		7.54	7.57					1							S
71055	8.233	0.010	7.032	0.007	*	1.028	0.009	T	1.00	0.01	L *	7.0901	0.0011	0.012	156	*	7.07	7.11		D	14318−7616	I 1	2 C A	AB	117	2.296	0.009	2.70	0.04	S
71056	9.027	0.012	8.530	0.012		0.469	0.026	G	0.54	0.03	H	8.5764	0.0015	0.014	117		8.56	8.60		C			1							S
71057	11.166	0.079	9.583	0.033		1.327	0.067	T	1.29	0.08	L	9.5823	0.0030	0.021	68		9.54	9.61		C			1							
71058	10.534	0.052	9.740	0.041		0.680	0.015	G	0.74	0.01	H	9.8312	0.0021	0.019	63		9.79	9.87		D			1							
71059	10.356	0.040	9.134	0.023	*	1.044	0.036	T	1.01	0.03	L *	9.0917	0.0026	0.016	72	*	9.06	9.12		D	14319−3227	I 1	2 C A	AB	111	0.661	0.005	0.59	0.02	
71060	9.819	0.021	9.154	0.018		0.616	0.023	T	0.68	0.02	L	9.2138	0.0025	0.020	104		9.19	9.25					1							S
71061	9.635	0.017	9.035	0.016		0.560	0.021	T	0.63	0.02	L	9.1013	0.0015	0.015	125		9.07	9.13					1							S
71062	9.074	0.011	8.450	0.010		0.564	0.008	G	0.64	0.01	H	8.5140	0.0015	0.018	170		8.48	8.55					1							
71063	9.676	0.033	7.735	0.014		1.610	0.028	T	1.63	0.03	L	7.6761	0.0014	0.010	54		7.66	7.69		C			1							S
71064	8.589	0.012	8.719	0.016		−0.107	0.014	G	−0.09	0.02	H	8.6970	0.0019	0.015	94		8.67	8.72		C			1							S
71065	9.776	0.022	9.361	0.023		0.392	0.029	T	0.46	0.03	L	9.4592	0.0026	0.021	123		9.43	9.50			14321+8021	I 2	1							
71066	9.325	0.017	7.666	0.009		1.387	0.015	T	1.36	0.02	L	7.6509	0.0014	0.013	77		7.63	7.67		C	14320−3211	I 1	1							S
71067	11.015	0.042	9.668	0.021		1.142	0.037	T	1.11	0.04	L	9.7415	0.0028	0.027	135		9.69	9.79					1							
71068	9.092	0.010	7.981	0.007		0.958	0.009	T	0.95	0.01	L	8.0297	0.0011	0.014	188		8.00	8.06		C			1							
71069	9.854	0.024	8.016	0.010		1.561	0.021	T	1.88	0.07	O	7.9193	0.0014	0.014	119		7.90	7.95					1							S
71070	10.520	0.043	9.843	0.036		0.626	0.047	T	0.69	0.04	L	9.9239	0.0027	0.023	82		9.89	9.95		C			1							
71071	9.356	0.018	8.082	0.011		1.085	0.016	T	1.05	0.01	L	8.1196	0.0013	0.011	95		8.10	8.14					1							S
71072	9.298	0.016	8.793	0.015		0.475	0.020	T	0.55	0.02	L	8.8616	0.0024	0.018	94		8.84	8.89					1							S
71073	9.423	0.026	8.459	0.019		0.847	0.024	T	0.86	0.02	L	8.4859	0.0026	0.013	53		8.46	8.51					1							S
71074	9.784	0.023	8.460	0.013		1.124	0.021	T	1.09	0.02	L	8.4939	0.0018	0.018	111		8.46	8.52					1							
71075	3.290	0.002	3.062	0.002		0.191	0.006	G	0.17	0.03	C	3.0980	0.0005	0.005	138		3.09	3.11			14321+3818	I 1	1							S P
71076	8.408	0.009	7.864	0.012		0.509	0.017	G	0.58	0.02	H	7.9223	0.0018	0.013	97		7.90	7.94					1							S
71077	7.858	0.013	7.564	0.013		0.292	0.010	G	0.33	0.01	H	7.5802	0.0047	0.038	64		7.55	7.69	0.91	P 1 A			1							S
71078	11.213	0.058	9.883	0.030		1.129	0.051	T	1.09	0.05	L	9.9510	0.0020	0.020	111		9.92	9.99					1							
71079	10.090	0.027	9.816	0.031		0.261	0.039	T	0.29	0.05	L	9.9192	0.0032	0.027	102		9.86	9.96					1							
71080	7.485	0.007	7.086	0.008		0.377	0.010	T	0.44	0.01	L	7.1253	0.0010	0.008	68		7.11	7.14		D			1							S
71081	9.677	0.013	8.962	0.011		0.657	0.014	T	0.72	0.01	L	9.0334	0.0021	0.029	230		8.98	9.07		U			1							S
71082	10.758	0.039	9.320	0.019		1.213	0.034	T	1.17	0.03	L	9.3065	0.0022	0.022	119		9.27	9.34					1							
71083	9.462	0.019	8.461	0.014		0.875	0.018	T	0.88	0.01	L	8.5273	0.0018	0.016	87		8.50	8.57		C			1							S
71084	8.857	0.015	7.566	0.009		1.098	0.014	T	1.06	0.01	L	7.6331	0.0013	0.009	69		7.62	7.66		C			1							S
71085	9.338	0.015	7.464	0.007		1.590	0.014	T	2.11	0.04	O	7.3292	0.0028	0.021	100		7.29	7.36		U 2			1							S
71086	11.298	0.098	9.848	0.040		1.213	0.005	G	1.36	0.01	I	9.7785	0.0031	0.020	66		9.73	9.81		C			1 X							
71087	10.696	0.041	9.851	0.030		0.818	0.015	G	0.84	0.01	H	9.9643	0.0018	0.021	122		9.91	10.00					1							
71088	11.516	0.083	10.814	0.069		0.574	0.072	G	0.65	0.07	R	10.9473	0.0042	0.034	100		10.88	11.01		C			1							G
71089	9.661	0.018	7.733	0.007		1.600	0.015	T	1.62	0.01	L	7.6488	0.0014	0.015	157		7.63	7.67		R			1							
71090	11.033	0.052	9.112	0.018		1.595	0.044	T	1.61	0.04	L	9.0298	0.0028	0.029	125		8.99	9.07		U	14321+8021	I 2	1 S							
71091	9.716	0.025	9.349	0.027		0.358	0.032	T	0.42	0.04	L	9.3598	0.0020	0.025	72		9.32	9.40		C			1							
71092	9.446	0.036	7.966	0.020		1.246	0.032	T	1.20	0.03	L	7.9493	0.0016	0.015	142		7.92	7.98					1							S
71093	8.466	0.007	8.438	0.008		0.031	0.010	T	0.05	0.01	L	8.4558	0.0014	0.017	205		8.42	8.49		C			1							
71094	6.281	0.004	6.035	0.004	*	0.230	0.006	T	0.26	0.01	L *	6.0679	0.0011	0.009	104	*	6.05	6.08		D	14323+2641	I 1	2 C A	AB	214	0.201	0.004	0.47	0.09	S
71095	10.158	0.024	9.047	0.016		0.958	0.022	T	0.95	0.02	L	9.0926	0.0017	0.018	140		9.06	9.12		C			1							
71096	9.644	0.023	10.040	0.045		−0.251	0.006	G	−0.27	0.01	H	9.9296	0.0029	0.022	81		9.89	9.97		C			1							
71097	10.601	0.035	9.881	0.030	B	0.661	0.037	T	0.72	0.03	L	10.1386	0.0298			B				D	14324+3138	I 2	1 C I A							
71098	8.735	0.017	8.471	0.018		0.210	0.015	G	0.23	0.02	H	8.5513	0.0019	0.013	55		8.53	8.57		C			1							S
71099	8.730	0.009	8.689	0.011		0.037	0.013	T	0.05	0.01	L	8.7140	0.0020	0.020	149		8.68	8.75					1							S
71100	9.916	0.024	9.233	0.022	A	0.631	0.027	T	0.70	0.02	L	9.3092	0.0182	0.107	124	A	9.18	9.50		D	14324+3138	I 2	1 C P A							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ $\alpha*$	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg	mas	mas/yr		mas		mas	mas/yr												%	
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
71101	14 32 23.53	−47 45 06.1	8.70	H	218.098 039 02	−47.751 702 85	2.98	−22.56	−11.57	0.71	0.60	1.04	0.77	0.86	−15	−22	+ 6	+12	+ 4	−21	+ 5	− 1	+ 4	−22	0	−1.77
71102 H	14 32 24.29	+06 53 26.9	8.11	H	218.101 194 61	+06.890 798 65 *	8.35	−13.52	33.83	2.48	1.72	2.48	2.02	2.14	− 6	+ 7	−40	−55	− 2	− 1	− 7	−67	+46	−20	1	−0.85
71103	14 32 24.65	−37 49 02.0	8.53	G	218.102 691 63	−37.817 224 95	14.48	−101.90	−53.63	0.87	0.68	1.21	0.88	0.91	− 7	−29	−31	− 6	+12	− 5	− 3	−47	+44	−19	0	1.01
71104	14 32 24.93	+44 47 07.2	8.19	H	218.103 889 28	+44.785 333 65	13.25	57.78	−158.01	0.61	0.61	0.83	0.78	0.66	+15	−10	−24	+10	− 5	+ 7	− 3	+10	− 5	− 3	0	−0.77
71105	14 32 29.02	−51 58 14.5	7.27	G	218.120 921 82	−51.970 695 44	3.33	− 8.96	− 6.18	0.50	0.45	0.74	0.55	0.68	−12	−25	−10	+ 4	+ 9	−23	+ 3	−13	+22	−23	0	1.04
71106	14 32 30.57	+16 32 53.8	8.28	H	218.127 367 84	+16.548 291 43	8.34	−45.66	− 7.70	0.74	0.67	1.04	0.79	0.70	−33	− 3	−23	+33	+ 9	− 2	+ 6	+27	−27	−47	3	0.17
71107	14 32 30.57	+50 49 41.0	9.41	2 H	218.127 369 29	+50.828 062 56	6.00	−33.23	−37.34	0.81	0.88	1.06	1.03	1.08	+ 7	− 7	−20	+15	−20	+ 9	−22	− 1	− 5	−22	1	−1.77
71108 H	14 32 30.59	+05 46 36.6	10.65	G	218.127 450 69	+05.776 844 43 *	24.95	−85.11	323.25	7.10	7.23	3.58	2.93	3.12	−31	+ 2	−39	−46	+18	− 6	+10	−67	+41	−32	0	0.23
71109 H	14 32 30.86	+49 11 02.6	7.96	1 H	218.128 594 86	+49.184 069 32 A	11.68	−28.31	12.29	1.41	1.67	1.78	1.42	1.50	+15	−14	−21	− 6	−13	− 7	−18	−20	+ 8	−12	2	1.83
*71110	14 32 30.98	+48 12 37.6	9.73	H	218.129 079 11	+48.210 444 84	−1.38	−12.75	5.67	0.78	0.88	1.03	0.92	0.99	+24	−18	−17	− 7	−22	+ 4	−21	−12	− 2	+ 1	0	−0.10
*71111	14 32 30.93	+55 23 53.0	5.74	1 H	218.128 873 96	+55.398 045 70	5.33	5.68	−14.75	0.45	0.47	0.55	0.59	0.60	+16	+ 7	−13	+10	− 7	+ 8	− 9	+ 2	−26	+ 3	0	1.62
71112	14 32 31.00	−55 27 49.6	7.38	1 G	218.129 181 17	−55.463 765 81	7.88	−25.35	− 2.16	0.62	0.52	0.83	0.78	0.77	− 4	−20	+ 0	+25	+13	+ 2	+13	− 1	+14	− 2	0	−0.26
*71113 H	14 32 32.72	−13 00 13.8	8.90	H	218.136 320 00	−13.003 833 35 A	9.27	−49.50	7.41	3.41	2.83	3.25	3.93	3.00	−20	−17	−25	+18	−12	− 8	−21	−12	+33	+ 3	1	0.80
*71114	14 32 32.55	−18 49 21.6	8.67	H	218.135 641 41	−18.822 668 34	2.63	1.33	− 9.04	1.07	0.76	1.24	1.19	0.90	−18	−30	−16	+21	− 3	+ 9	− 5	+ 2	+18	−14	0	0.83
*71115	14 32 32.62	+22 15 35.9	5.91	H	218.135 924 82	+22.259 960 72	19.44	−126.48	40.38	0.57	0.54	0.77	0.64	0.59	−19	− 6	−25	+20	− 9	−12	−10	+25	−28	−27	0	0.19
71116	14 32 33.09	−56 53 15.7	6.71	3 T	218.137 878 00	−56.887 697 87	0.05	− 5.97	− 7.18	0.68	0.51	0.82	0.78	0.67	− 1	−40	− 2	+34	+19	− 3	+20	+15	+ 2	+13	0	−0.56
71117	14 32 33.27	+61 26 16.7	9.32	G	218.138 623 09	+61.437 973 14	14.39	−225.99	115.35	0.81	0.84	0.93	0.81	0.90	+17	−18	−18	−30	+ 8	− 5	+ 7	+10	+10	+11	3	1.96
71118	14 32 34.35	−09 45 25.2	8.23	H	218.143 143 20	−09.757 003 77	8.74	−40.58	37.23	1.08	0.59	1.23	1.31	0.86	−14	−45	−13	+32	−12	+ 0	−28	−13	+49	−11	0	−1.43
71119	14 32 36.03	+30 27 42.3	9.90	2 G	218.150 136 31	+30.461 763 14	4.51	23.32	− 4.65	1.09	1.00	1.72	1.98	1.42	+10	− 8	−27	− 3	−16	−26	− 6	+22	− 2	−56	0	−2.32
*71120	14 32 37.32	−11 51 03.8	10.15	H	218.155 514 05	−11.851 048 84	8.69	9.85	−41.20	1.84	1.26	2.19	1.96	1.53	−17	−43	−15	+21	− 3	+ 6	−13	− 5	+27	−21	0	−0.14
*71121	14 32 37.08	−50 27 25.6	4.44	H	218.154 514 47	−50.457 121 32	5.68	−29.55	−14.85	0.48	0.42	0.72	0.45	0.66	−31	−49	+11	− 3	+ 4	−17	+ 7	−10	− 4	−41	0	0.45
71122	14 32 37.80	−28 15 59.9	10.70	G	218.157 504 25	−28.266 627 03	18.97	−455.07	−304.12	1.68	1.41	1.97	2.22	1.78	−48	−15	+ 5	+18	− 9	− 6	− 7	−19	+14	−41	3	−0.29
71123	14 32 38.76	−41 32 33.3	9.15	H	218.161 485 24	−41.542 587 33	7.26	−24.51	− 1.25	1.08	0.82	1.39	1.38	1.31	−22	−17	− 7	− 2	+ 3	+10	+12	−45	+ 9	− 1	3	−1.04
71124	14 32 39.10	−64 05 48.3	8.12	1 H	218.162 903 90	−64.096 746 10	2.11	− 3.96	− 4.04	0.56	0.67	0.95	0.70	0.85	+26	−15	−12	+31	+23	−14	+30	+11	−11	+54	0	−1.35
71125	14 32 40.19	+54 45 07.1	8.89	H	218.167 475 78	+54.751 966 55	5.68	−14.75	7.37	0.72	0.81	0.82	0.90	1.11	+14	− 6	−21	−18	−13	+16	− 9	−32	+ 1	+ 6	0	0.83
71126	14 32 42.03	−43 15 03.3	9.59	H	218.175 143 02	−43.250 913 50	2.91	− 4.41	−10.56	1.31	0.86	1.67	1.19	1.46	−16	−48	−11	+ 3	+21	−14	+ 6	−39	+18	−42	0	1.19
71127	14 32 42.94	−00 44 37.4	9.68	H	218.178 937 22	−00.743 718 54	0.07	−19.88	−11.95	1.66	1.32	2.61	2.91	2.07	−28	−19	−29	+13	+19	−63	−10	−21	+56	−58	0	−1.30
71128	14 32 46.50	−45 06 22.3	8.55	2 H	218.193 754 73	−45.106 196 37	2.07	− 6.07	− 3.09	1.04	0.67	1.30	1.07	0.95	+ 0	−36	− 6	− 5	+ 6	−32	+ 1	−34	+11	− 7	0	−1.95
71129	14 32 47.35	+58 25 23.8	8.12	G	218.197 276 71	+58.423 283 15	4.59	−50.71	0.54	0.58	0.59	0.68	0.60	0.63	+ 4	−13	−15	+ 2	+ 1	+ 1	+ 3	+ 4	−12	− 2	2	−1.44
71130	14 32 49.35	−07 12 42.1	8.76	H	218.205 623 16	−07.211 689 88	3.50	14.55	−19.42	1.22	0.69	1.28	1.45	0.93	−22	−29	−14	+36	−21	+15	−24	− 5	+22	−22	0	0.89
71131	14 32 49.44	+65 37 14.4	9.37	H	218.205 980 07	+65.620 671 54	8.20	23.38	−47.42	0.70	0.90	0.90	0.74	0.98	+ 7	−14	−39	−18	+ 1	− 4	− 2	−22	+ 5	−12	0	−0.46
71132	14 32 49.50	+14 03 39.3	7.03	H	218.206 234 94	+14.060 923 71	10.13	24.88	−30.78	0.80	0.60	0.93	0.95	0.72	− 9	−22	−10	−24	−20	+25	−17	− 2	− 4	−13	7	0.93
71133	14 32 51.69	−47 12 04.6	8.41	H	218.215 372 99	−47.201 282 91	0.81	−13.76	− 6.09	0.66	0.57	1.08	0.90	0.94	−27	−22	+10	+15	+ 9	−32	+19	−26	−11	−15	0	−1.34
*71134 H	14 32 52.48	+20 09 08.5	9.63	H	218.218 653 86	+20.152 357 78 A	7.11	−43.72	−12.30	1.40	1.47	1.78	1.39	1.52	−50	−17	− 8	+12	+ 5	− 4	+ 8	+ 6	−27	−56	1	0.00
*71135	14 32 52.46	−52 38 46.1	10.53	G	218.218 586 93	−52.646 147 31	27.68	−250.61	−50.67	1.28	1.00	1.83	1.74	1.64	− 9	−21	− 2	+17	+11	+ 0	+15	−20	+29	+15	0	0.15
71136	14 32 54.99	−35 31 43.1	9.08	H	218.229 127 11	−35.528 632 35	8.77	−95.32	−40.93	1.33	1.17	1.50	1.68	1.74	− 8	−16	−34	−23	+12	− 4	− 3	−65	+33	−29	0	−0.71
71137	14 32 55.30	+13 50 54.3	8.12	H	218.230 407 87	+13.848 424 50	1.12	−32.88	15.09	1.01	0.78	1.14	1.16	0.96	+ 1	−26	−11	−36	−23	+27	−21	−27	− 1	− 7	2	1.23
71138	14 32 56.02	+40 50 23.4	8.35	1 H	218.233 403 64	+40.839 843 95	3.32	−13.37	9.87	0.60	0.68	0.91	0.79	0.79	+17	− 5	−20	−19	+ 3	+ 2	+ 3	+24	−20	+18	0	−2.25
71139	14 32 56.34	−79 28 48.8	8.90	H	218.234 731 09	−79.480 213 44	1.99	−16.10	− 6.60	0.74	0.74	0.93	0.86	0.83	+11	− 4	− 2	+ 5	+10	+ 2	+10	+ 0	+10	+21	0	1.00
71140 H	14 32 57.08	−42 24 19.5	7.78	H	218.237 839 57	−42.405 414 21 *	8.02	−20.85	−17.91	0.87	0.74	1.09	1.09	1.17	−26	−22	−10	−11	+15	− 4	+17	−47	+ 5	−22	0	−0.61
71141	14 32 57.70	+03 39 33.8	7.40	H	218.240 424 55	+03.659 402 63 +	14.78	16.79	5.17	1.00	0.78	1.14	1.70	2.02	+ 7	−34	−28	−29	−36	+15	+21	+44	−21	−72	0	0.06
71142	14 32 58.09	+06 55 59.3	7.43	H	218.242 035 57	+06.933 145 62	11.33	−38.99	−54.81	0.82	0.82	1.12	0.85	0.94	−25	− 3	−41	−25	+ 6	+ 0	− 2	−56	+37	−39	0	0.52
71143	14 32 59.11	+27 02 54.9	9.19	H	218.246 286 41	+27.048 578 05	9.79	−17.24	−10.56	0.94	0.84	1.22	0.83	0.89	+ 6	−18	− 5	−36	−21	+15	−17	−11	− 5	−22	0	1.38
71144	14 32 59.84	+18 13 51.7	9.98	H	218.249 334 39	+18.231 025 46	7.07	40.64	−31.95	1.10	1.19	1.66	1.25	1.28	−40	− 2	−32	+24	− 2	−18	− 5	+34	−19	−57	0	−0.60
71145	14 32 59.93	−48 52 19.2	9.18	H	218.249 723 98	−48.871 995 33	3.09	4.38	0.60	0.79	0.67	1.30	1.02	1.00	−37	−30	+13	+11	+ 3	−21	+11	−12	+ 0	− 7	4	2.68
71146	14 33 03.01	+05 19 24.5	6.85	H	218.262 561 88	+05.323 462 41	5.47	6.74	−80.86	0.76	0.75	1.12	0.84	0.83	−27	− 6	−53	−35	+ 5	+ 2	+ 1	−50	+41	−48	0	2.87
71147	14 33 05.37	+55 27 34.9	9.65	H	218.272 367 79	+55.459 700 52	12.50	−118.20	−138.80	0.95	0.96	1.13	1.26	1.18	+23	− 6	−22	+ 1	−13	+15	− 9	−10	−12	+17	0	−0.22
71148	14 33 07.51	+41 31 36.9	9.21	H	218.281 292 62	+41.526 917 98	2.75	10.97	−45.16	0.71	0.85	1.05	0.86	0.93	+18	+ 2	−17	+15	+ 4	− 5	+ 4	+35	−10	+13	0	−1.30
71149	14 33 07.72	−05 28 44.1	9.23	H	218.282 159 46	−05.478 903 98	5.44	3.05	−12.79	1.24	0.79	1.46	1.56	0.99	−24	−30	−16	+11	−24	+27	−19	−21	+17	−12	0	1.45
71150	14 33 08.26	−57 15 54.2	9.07	H	218.284 407 12	−57.265 052 22	5.18	−46.45	−36.28	0.91	0.74	1.26	0.98	0.87	+ 7	−41	−14	+31	− 2	−18	− 2	+25	− 6	+24	0	1.50
71151	14 33 08.43	−34 41 54.7	8.69	H	218.285 132 45	−34.698 535 00	6.54	−75.58	−54.84	1.06	0.91	1.41	1.17	1.07	−39	+11	−37	+12	+ 8	+ 9	+22	−50	+39	−21	0	−0.41
71152	14 33 09.44	−24 01 05.9	7.21	H	218.289 343 67	−24.018 314 50	3.62	−53.52	29.00	0.83	0.65	1.08	0.99	0.98	−34	−34	−14	+22	+15	−17	− 6	−33	+44	−48	0	1.03
71153	14 33 09.58	+22 56 13.7	8.75	H	218.289 928 72	+22.937 135 08	7.18	−69.72	45.92	0.88	0.78	1.15	0.99	0.85	−16	−17	−31	+12	−13	− 9	− 9	+33	−19	−39	0	0.24
71154 H	14 33 09.62	−30 42 53.9	6.07	G	218.290 098 26	−30.714 972 13 A	7.92	40.41	−39.68	1.03	0.71	0.97	1.23	0.79	+ 1	−18	−16	−15	+15	+21	− 6	−22	− 8	+12	1	1.56
71155 H	14 33 11.24	−69 35 17.3	8.02	G	218.296 842 79	−69.588 149 49 *	8.21	−12.37	−27.59	1.44	2.13	1.01	1.18	1.50	−19	− 4	+ 8	+22	− 7	−16	+ 8	+24	−12	+27	1	−0.73
71156	14 33 12.05	+17 08 41.4	9.14	H	218.300 227 22	+17.144 832 11	2.28	− 7.58	− 3.83	0.86	0.87	1.26	0.92	0.91	−45	+15	−30	+22	+ 1	+15	+ 0	+33	−34	−61	0	−0.24
71157 H	14 33 12.65	−41 23 34.1	8.85	H	218.302 709 22	−41.392 818 83 A	4.88	44.98	1.88	1.82	1.55	2.08	2.10	2.12	− 7	−23	− 3	−12	+16	+ 5	+18	−60	+ 5	− 9	2	−0.22
71158	14 33 13.95	−50 55 58.1	8.36	H	218.308 125 25	−50.932 812 93	2.30	−83.67	− 8.53	0.73	0.58	1.10	0.83	1.00	−17	−27	− 2	+ 7	+20	−10	+19	−31	+20	−19	0	0.57
71159	14 33 14.27	−67 11 15.1	7.58	1 H	218.309 455 36	−67.187 526 08	5.94	−37.64	−33.25	0.46	0.57	0.84	0.57	0.65	+27	−10	+ 1	+10	+21	−13	+20	+10	− 4	+45	0	−0.86
71160	14 33 15.96	−65 24 23.2	9.16	H	218.316 518 39	−65.406 441 28	0.40	− 8.72	− 7.03	0.63	0.95	1.22	0.78	1.26	+46	−17	− 1	+14	+23	+ 1	+23	+20	− 6	+59	1	2.51
*71161 H	14 33 17.79	+85 56 18.3	7.12	H	218.324 137 13	+85.938 405 16 A	5.62	−16.10	− 4.85	0.65	0.75	0.72	0.71	0.94	− 6	+ 0	−16	+ 0	− 5	+ 1	− 2	+ 2	+11	− 7	1	0.30
*71162	14 33 17.77	−30 53 42.0	8.75	H	218.324 060 59	−30.895 013 54	14.03	−107.31	−63.54	1.22	0.77	1.41	1.65	0.91	−11	−11	−26	+24	−23	+41	−11	+ 4	− 7	−10	0	−0.03
71163	14 33 18.78	−56 12 57.6	7.74	H	218.328 258 56	−56.216 012 05	0.77	− 5.93	− 6.55	0.69	0.58	0.95	0.75	0.84	− 9	−36	− 6	+13	+21	−18	+19	−19	+11	−14	0	0.45
71164 H	14 33 19.19	−27 06 47.2	9.36	H	218.329 945 53	−27.113 114 92 A	6.41	98.77	−201.75	2.16	1.56	2.05	2.24	1.63	−22	+16	−37	−14	− 9	+ 3	+ 2	−44	+25	+ 0	1	0.03
71165	14 33 19.36	+46 53 02.4	9.74	H	218.330 673 35	+46.884 006 37	22.79	152.79	−137.77	0.86	0.96	1.12	0.99	0.99	+22	− 8	−18	−36	−25	+ 2	−21	−21	+ 6	+ 5	0	2.45
71166	14 33 19.64	−37 14 29.5	8.10	H	218.331 833 66	−37.241 541 63	1.80	− 3.41	−11.70	0.98	0.72	1.35	1.17	0.99	−10	−11	−35	−10	+ 2	− 7	− 5	−41	+46	−12	0	0.43
71167	14 33 20.10	−30 58 22.5	8.78	H	218.333 745 53	−30.972 928 34	4.68	− 3.42	−32.54	1.33	0.84	1.58	1.89	1.01	−13	+ 0	−29	+30	−21	+47	− 6	− 3	− 1	− 8	0	0.77
71168	14 33 20.27	+36 57 33.1	6.39	H	218.334 449 72	+36.959 202 51	13.67	2.84	−73.78	0.42	0.54	0.83	0.52	0.64	+ 9	+20	−31	− 7	+ 9	−26	− 5	+12	−32	+18	0	0.78
*71169	14 33 21.22	−06 56 09.1	7.80	H	218.338 425 56	−06.935 858 14	3.95	11.87	3.49	0.93	0.56	0.97	1.06	0.74	−26	−18	−11	+33	−19	+13	−21	− 8	+15	−27	0	1.62
*71170	14 33 21.17	−29 03 09.1	9.69	H	218.338 222 01	−29.052 524 27	2.55	8.31	− 3.97	1.36	0.98	1.56	2.17	1.36	−26	− 5	− 9	+ 0	−17	+10	−11	−14	+19	+ 3	0	1.70
71171	14 33 21.60	+11 27 28.1	9.36	H	218.339 980 67	+11.457 811 56	6.37	18.99	−28.42	1.38	0.95	1.53	1.55	1.01	+ 8	−24	−28	−45	−27	+30	−21	−18	+ 8	+ 2	0	0.15
71172	14 33 23.46	+44 19 53.8	9.28	H	218.347 733 76	+44.331 614 52	2.56	5.62	6.06	0.73	0.76	1.02	0.95	0.80	+ 3	−10	−24	+14	− 8	+20	− 1	+22	−23	−18	0	−1.65
71173	14 33 23.68	−03 45 39.2	9.12	H	218.348 647 10	−03.760 883 84	4.50	−36.77	0.99	1.22	1.08	1.56	1.28	1.27	−24	−28	−43	+19	+ 2	− 5	− 8	−22	+20	−47	2	1.09
71174	14 33 24.00	+71 34 52.1	7.85	H	218.350 004 67	+71.581 143 59	3.20	− 3.55	9.88	0.61	0.62	0.70	0.64	0.71	+10	− 8	−37	−22	− 1	− 9	− 6	− 3	+12	+ 5	0	0.84
*71175	14 33 24.23	−49 53 19.9	8.81	H	218.350 952 42	−49.888 871 51	4.30	− 7.38	−12.37	0.85	0.68	1.33	1.01	1.08	−17	−23	− 7	−10	+ 4	−29	− 1	−17	+11	−16	4	0.57
*71176	14 33 24.20	−49 06 27.3	8.27	H	218.350 835 47	−49.107 587 73	1.18	− 6.50	− 4.06	0.62	0.48	0.95	0.77	0.79	−26	−27	+10	+10	+ 5	−11	+11	−17	− 1	−10	0	0.30
71177	14 33 25.46	+06 17 10.4	7.70	H	218.356 077 75	+06.286 212 05	17.28	4.90	−186.82	0.80	0.85	1.01	0.86	0.97	−42	+ 3	−30	−19	+17	− 8	+11	−52	+27	−50	0	0.88
71178	14 33 25.80	−34 32 37.4	10.18	2 H	218.357 505 97	−34.543 722 97	9.76	−28.09	−27.95	1.50	1.23	1.90	1.58	1.35	−36	+10	−28	+ 4	+ 8	+ 3	+18	−47	+30	−20	0	−0.05
71179	14 33 27.46	−33 18 57.9	6.94	H	218.364 397 56	−33.316 074 19 A	5.42	3.09	5.59	1.28	0.97	1.42	1.29	1.09	−21	−43	− 4	+12	− 5	− 2	−15	+14	−29	−25	0	0.04
71180	14 33 28.74	−15 00 16.6	9.06	H	218.369 733 64	−15.004 607 50	2.09	−20.34	−10.37	1.25	0.96	1.34	1.85	1.30	−22	− 7	−22	+33	−11	+ 0	−11	+26	− 3	−17	0	0.20
71181	14 33 29.05	+52 54 29.5	7.24	G	218.371 053 98	+52.908 188 46	74.50	−192.19	247.53	0.56	0.56	0.69	0.58	0.63	+19	−28	−19	− 6	−23	+ 8	−27	−18	+13	− 5	0	−0.41
*71182	14 33 29.97	−52 40 46.1	5.86	G	218.374 875 81	−52.679 480 76	9.56	− 2.78	−17.07	0.50	0.42	0.69	0.66	0.64	− 7	−15	− 1	+29	+19	− 5	+22	−15	+22	+ 7	0	−0.35
*71183 H	14 33 29.88	−69 09 09.7	8.16	H	218.374 514 99	−69.152 702 90 A	5.60	−104.41	−55.83	1.88	1.77	2.28	1.99	1.85	+19	+ 7	+31	+ 1	+ 9	+ 5	+ 4	+25	+10	+46	2	1.11
71184	14 33 32.47	−54 59 55.0	5.86	G	218.385 294 89	−54.998 615 60	11.42	−93.43	− 4.98	0.50	0.43	0.68	0.52	0.66	−12	−37	− 8	+12	+12	− 5	+ 8	− 4	+34	−15	1	−0.13
71185	14 33 32.60	+08 18 57.9	10.20	H	218.385 851 49	+08.316 086 98	1.05	−50.10	− 7.33	1.43	1.16	1.92	1.40	1.25	+ 1	−45	−38	−18	−37	+32	−36	−15	+20	−21	5	0.36
71186	14 33 33.21	+31 45 16.6	10.57	3 H	218.388 374 41	+31.754 616 31	0.77	6.56	1.06	1.11	1.05	1.57	1.32	1.13	+ 2	−16	+ 4	−11	+ 1	−15	+ 5	− 5	− 8	−23	0	0.66
71187	14 33 33.75	−49 10 18.2	10.36	H	218.390 642 72	−49.171 721 32	−1.37	−24.84	− 7.00	1.23	0.92	1.93	1.62	1.53	−27	−24	+13	+12	+ 5	−11	+15	−23	+ 2	− 1	0	0.77
71188	14 33 34.09	−09 55 50.8	10.54	G	218.392 029 09	−09.930 775 36	25.74	−261.46	−506.96	1.86	1.17	1.97	2.80	1.62	− 8	− 9	− 3	+32	+ 3	+ 0	+ 6	− 4	+33	+13	0	1.15
71189	14 33 34.17	−14 04 35.6	9.13	H	218.392 374 33	−14.076 546 16	5.58	−20.45	−13.18	1.15	0.80	1.27	1.38	1.01	+10	−37	−38	+ 5	−12	+15	−10	− 6	+ 7	− 6	0	0.11
*71190	14 33 34.81	+09 20 08.2	8.83	G	218.395 031 80	+09.335 624 45	30.35	158.95	−513.27	1.08	0.77	1.31	1.12	0.87	−22	−42	−14	+12	−28	+12	−31	+ 0	+15	−10	0	−0.54
*71191	14 33 34.80	−66 24 49.3	9.13	H	218.394 985 95	−66.413 704 33	0.67	− 1.49	− 3.53	0.61	0.81	1.19	0.70	1.02	+25	−14	+ 2	+ 1	+11	−16	+13	+ 7	−11	+32	0	0.59
71192	14 33 35.47	+65 23 43.1	6.60	H	218.397 782 81	+65.395 316 02	33.92	55.42	44.96	0.47	0.61	0.63	0.59	0.72	+ 6	−21	−45	−21	+ 8	+ 2	+ 8	−23	+11	−22	1	−0.19
71193 H	14 33 36.45	+35 35 08.0	7.61	H	218.401 891 13	+35.585 563 83 A	25.40	−193.64	64.75	0.84	1.18	1.45	0.81	1.13	+35	− 5	−31	+ 0	−17	+15	−15	−13	+ 5	+24	1	0.18
71194	14 33 36.78	−58 49 14.8	7.75	2 H	218.403 267 63	−58.820 789 28	0.73	− 9.18	− 4.63	0.67	0.55	0.88	0.91	0.67	+25	−13	+ 7	+22	+ 0	−10	− 2	+36	+ 3	+57	0	−0.03
71195	14 33 38.49	−02 31 51.2	10.96	H	218.410 371 27	−02.530 878 96	12.95	3.10	9.12	2.05	1.56	2.43	2.54	2.07	−24	− 3	−36	+31	− 3	+ 4	− 3	−23	+28	−25	2	1.19
71196	14 33 38.62	+79 39 36.8	6.27	H	218.410 911 98	+79.660 223 08	7.07	−100.01	83.97	0.52	0.46	0.54	0.54	0.53	− 9	+ 4	−28	−35	+ 6	− 8	+ 7	+ 4	−11	−15	0	0.46
71197	14 33 38.72	−77 26 41.5	8.63	H	218.411 332 68	−77.444 857 62	7.50	−33.23	−28.39	0.67	0.70	0.84	0.76	0.81	+21	− 6	+11	+29	+24	+ 5	+23	+27	+20	+36	0	−0.57
71198	14 33 40.66	−40 43 41.5	9.48	H	218.419 436 35	−40.728 203 69	2.49	− 2.89

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
71101	9.602	0.016	8.788	0.013		0.735	0.016	T	0.78	0.01	L	8.8466	0.0020	0.022	150		8.81	8.89					1							
71102	8.613	0.013	8.145	0.013	*	0.441	0.016	T	0.51	0.02	L *	8.2043	0.0019	0.013	76	*	8.18	8.23			14324+0653	H 1	2 C B	AB	125	0.289	0.047	2.77	0.38	S
71103	9.209	0.016	8.614	0.014		0.569	0.015	G	0.64	0.01	H	8.6570	0.0018	0.014	106		8.63	8.68		C			1							
71104	8.843	0.012	8.237	0.010		0.544	0.015	G	0.62	0.01	H	8.3084	0.0010	0.013	129		8.28	8.34					1							S P
71105	7.292	0.005	7.265	0.005		0.021	0.002	G	0.04	0.00	H	7.2864	0.0008	0.008	161		7.27	7.30		C			1							S
71106	8.764	0.011	8.328	0.011		0.412	0.014	T	0.48	0.01	L	8.3771	0.0013	0.016	136		8.34	8.40					1							S
71107	10.038	0.024	9.500	0.025		0.504	0.031	T	0.58	0.03	L	9.5165	0.0186	0.211	120		9.38	9.92	0.42	P 1 A			1							
71108						1.210	0.014	G	1.35	0.03	I *	10.7381	0.0032	0.032	95	*	10.69	10.78		C	14325+0547	H 1	2 C C	AB	52	0.259	0.072	2.30	0.69	G
71109	8.574	0.009	8.067	0.009	A	0.538	0.400	G	0.52	0.02	L *	8.0645	0.0015	0.015	126	–	8.04	8.09		M	14325+4911	I 1	3 C B							S G
71110	10.845	0.049	9.797	0.032		0.910	0.044	T	0.91	0.03	L	9.8890	0.0017	0.023	110		9.85	9.92		C			1							
71111	7.740	0.008	5.902	0.004		1.529	0.007	T	1.57	0.01	L	5.8582	0.0013	0.009	107		5.85	5.88		M			1							S
71112	7.709	0.008	7.397	0.008		0.291	0.008	G	0.33	0.01	H	7.4560	0.0017	0.015	121		7.43	7.48		M			1							S
71113	10.070	0.038	9.282	0.029	A	1.000	0.495	G	1.01	0.07	B *	9.0706	0.0037	0.023	66	*	9.04	9.16		D	14325–1300	I 1	2 C A	AB	193	1.302	0.012	0.67	0.06	S
71114	10.126	0.039	8.785	0.021		1.137	0.035	T	1.10	0.04	L	8.8371	0.0021	0.016	60		8.80	8.86					1							
71115	6.354	0.004	5.940	0.003		0.391	0.005	T	0.46	0.01	L	5.9970	0.0008	0.006	91		5.99	6.01		C			1							S
71116	7.707	0.061	6.802	0.036		0.694	0.020	G	0.88	0.03	A	6.8542	0.0609	0.350	117		6.53	7.35	5.49	P 1 A			1							S
71117	10.236	0.026	9.355	0.020		0.750	0.015	G	0.79	0.01	H	9.4544	0.0020	0.023	110		9.42	9.50		C			1							
71118	8.963	0.013	8.295	0.011		0.619	0.014	T	0.69	0.01	L	8.3561	0.0016	0.013	88		8.33	8.38					1							S
71119	10.278	0.047	10.019	0.057		0.420	0.015	G	0.49	0.02	H	9.9810	0.0063	0.045	114		9.93	10.06		U 2			1							
71120	11.034	0.065	10.185	0.048		0.762	0.061	T	0.80	0.04	L	10.2936	0.0040	0.026	54		10.25	10.34		C			1							
71121	4.198	0.002	4.398	0.002		–0.177	0.009	G	–0.18	0.02	A	4.3710	0.0005	0.005	149		4.36	4.38					1							S
71122						1.195	0.012	G	1.33	0.02	I	10.8259	0.0031	0.024	68		10.78	10.86		C			1							G
71123	9.734	0.021	9.212	0.020		0.499	0.022	T	0.57	0.02	L	9.2641	0.0022	0.021	101		9.24	9.32					1							
71124	8.068	0.006	8.126	0.008		–0.048	0.009	T	–0.03	0.01	L	8.1090	0.0019	0.019	171		8.08	8.15		U			1							
71125	9.354	0.014	8.932	0.014		0.399	0.018	T	0.46	0.02	L	8.9775	0.0016	0.017	112		8.95	9.02		C			1 G							S
71126	10.696	0.043	9.660	0.028		0.901	0.039	T	0.90	0.03	L	9.7496	0.0034	0.026	107		9.71	9.79					1							
71127	10.108	0.037	9.713	0.040		0.470	0.020	G	0.54	0.02	H	9.7808	0.0040	0.032	52		9.73	9.82					1							
71128	10.781	0.044	8.808	0.016		1.745	0.020	G	2.62	0.02	A	8.5467	0.0053	0.035	112		8.49	8.60		U 2			1							
71129	9.784	0.018	8.239	0.010		1.290	0.015	G	1.25	0.02	H	8.2812	0.0012	0.014	124		8.26	8.31		C			1							S
71130	10.261	0.030	8.884	0.016		1.165	0.027	T	1.13	0.02	L	8.9279	0.0016	0.016	108		8.90	8.95		C			1							S
71131	10.111	0.030	9.428	0.026		0.631	0.033	T	0.70	0.03	L	9.5073	0.0019	0.017	108		9.48	9.53		C			1							
71132	7.571	0.010	7.084	0.008		0.485	0.003	G	0.56	0.00	H	7.1386	0.0010	0.008	67		7.12	7.15		C			1							S
71133	8.411	0.008	8.425	0.010		–0.011	0.011	T	0.01	0.01	L	8.4132	0.0014	0.013	146		8.39	8.44					1							
71134	10.413	0.033	9.740	0.029	A	0.700	0.495	G	0.60	0.07	B *	9.7473	0.0030	0.025	100	*	9.71	9.79		R	14329+2009	I 1	2 C A	AB	242	9.420	0.017	2.77	0.09	
71135	12.125	0.165	10.700	0.071		1.270	0.016	G	1.44	0.03	I	10.6408	0.0030	0.032	144		10.59	10.69		C			1 S							G
71136	9.841	0.025	9.134	0.022		0.638	0.025	T	0.70	0.02	L	9.2166	0.0017	0.016	72		9.19	9.24		C			1 G							
71137	9.711	0.027	8.269	0.015		1.216	0.024	T	1.18	0.02	L	8.2806	0.0019	0.013	58		8.26	8.30		C			1							S
71138	10.436	0.028	8.611	0.011		1.518	0.024	T	1.55	0.04	L	8.4744	0.0022	0.024	139		8.44	8.51		U			1							
71139	10.882	0.037	9.068	0.014		1.510	0.031	T	1.54	0.05	L	9.0226	0.0020	0.022	150		8.98	9.06					1 S							
71140	8.091	0.009	7.795	0.011	*	0.281	0.013	T	0.32	0.02	L *	7.8581	0.0014	0.012	99	*	7.84	7.88		D	14330–4224	H 1	2 C S A	AB	1	0.172	0.004	0.51	0.18	S
71141	7.921	0.009	7.446	0.010		0.447	0.012	T	0.52	0.01	L	7.4968	0.0009	0.011	89		7.48	7.51		C			1 O							S
71142	8.590	0.014	7.534	0.010		0.916	0.013	T	0.91	0.01	L	7.5953	0.0010	0.008	81		7.58	7.61		D			1 S							S
71143	9.872	0.022	9.244	0.020		0.570	0.015	G	0.64	0.01	H	9.3128	0.0023	0.025	105		9.27	9.36					1							
71144	10.895	0.054	10.054	0.040		0.756	0.051	T	0.80	0.04	L	10.1224	0.0028	0.023	99		10.07	10.18					1							
71145	10.380	0.025	9.230	0.015		0.980	0.023	T	0.96	0.02	L	9.3306	0.0018	0.020	195		9.30	9.37					1							
71146	8.015	0.009	6.966	0.007		0.911	0.009	T	0.91	0.01	L	7.0094	0.0010	0.008	103		6.99	7.03					1							S
71147	10.415	0.034	9.728	0.030		0.623	0.034	T	0.69	0.03	L	9.7776	0.0026	0.022	102		9.74	9.82		C			1							
71148	10.499	0.030	9.294	0.018		1.031	0.027	T	1.00	0.02	L	9.3812	0.0025	0.026	155		9.33	9.42					1							
71149	10.002	0.031	9.308	0.027		0.640	0.034	T	0.70	0.03	L	9.3668	0.0020	0.017	80		9.35	9.39		C			1							S
71150	9.660	0.021	9.142	0.020		0.496	0.022	T	0.57	0.02	L	9.1833	0.0019	0.024	123		9.14	9.22					1							
71151	9.386	0.018	8.722	0.016		0.605	0.018	T	0.67	0.02	L	8.8161	0.0021	0.014	85		8.79	8.85		C			1							
71152	8.439	0.012	7.295	0.009		0.983	0.012	T	0.96	0.01	L	7.3708	0.0012	0.008	75		7.35	7.39		C			1							S
71153	9.911	0.023	8.830	0.016		0.935	0.021	T	0.93	0.01	L	8.9135	0.0017	0.016	86		8.87	8.94					1							S
71154	7.418	0.007	6.213	0.005	A	1.030	0.007	G	1.00	0.01	I *	6.2319	0.0008	0.007	71	*	6.22	6.25		D	14332–3043	I 1	2 C A	AB	13	2.687	0.025	3.59	0.11	S
71155	8.491	0.008	8.054	0.008	*	0.430	0.004	G	0.50	0.00	H *	8.1041	0.0016	0.017	169	*	8.07	8.13		D	14332–6935	H 1	2 C A	AB	121	0.213	0.015	1.84	0.18	S
71156	9.636	0.016	9.176	0.016		0.434	0.021	T	0.50	0.02	L	9.2366	0.0014	0.018	143		9.20	9.26					1							
71157	9.551	0.025	9.001	0.024	A	1.000	0.495	G	0.57	0.04	L *	8.9607	0.0017	0.020	117	*	8.93	9.00		D	14332–4124	I 1	2 C A	AB	158	3.034	0.012	2.44	0.05	S
71158	10.344	0.033	8.537	0.013		1.504	0.028	T	1.53	0.04	L	8.4810	0.0016	0.015	146		8.46	8.51					1							
71159	8.020	0.007	7.610	0.007		0.388	0.009	T	0.45	0.01	L	7.6680	0.0015	0.017	189		7.65	7.70		U			1							S
71160	9.196	0.009	9.160	0.012		0.033	0.013	T	0.05	0.01	L	9.1817	0.0020	0.029	262		9.12	9.23					1							
71161	8.251	0.010	7.182	0.007	*	0.926	0.009	T	0.92	0.01	L *	7.2810	0.0008	0.009	130	*	7.27	7.30		D	14333+8556	I 1	2 C A	AB	318	2.419	0.008	2.40	0.04	S
71162	9.539	0.023	8.840	0.019		0.632	0.022	T	0.70	0.02	L	8.8789	0.0016	0.016	65		8.86	8.91		D			1 S							
71163	9.611	0.018	7.926	0.009		1.408	0.016	T	1.39	0.02	L	7.8867	0.0011	0.012	123		7.86	7.91		C			1							
71164	10.134	0.038	9.528	0.035	*	0.595	0.002	G	0.67	0.00	H *	9.4906	0.0028	0.021	67	*	9.46	9.52		C	14333–2707	H 1	2 C D	AB	90	0.520	0.054	3.05	0.23	D
71165	11.188	0.056	9.952	0.030		1.055	0.050	T	1.02	0.04	L	9.8972	0.0031	0.029	107		9.85	9.95		R			1							
71166	9.927	0.028	8.251	0.013		1.401	0.024	T	1.38	0.03	L	8.2456	0.0014	0.013	78		8.23	8.26		C			1							
71167	10.438	0.040	8.882	0.019		1.306	0.035	T	1.27	0.04	L	8.9360	0.0028	0.021	66		8.90	8.96					1							
71168	7.007	0.004	6.451	0.003		0.521	0.004	T	0.59	0.00	L	6.5054	0.0008	0.009	150		6.49	6.52		C			1							S
71169	9.823	0.019	7.971	0.008		1.530	0.020	G	1.57	0.04	H	7.9228	0.0014	0.013	107		7.90	7.95		C			1							S
71170	10.176	0.040	9.747	0.043		0.458	0.020	G	0.53	0.02	H	9.7972	0.0028	0.020	58		9.77	9.83		C			1							
71171	9.767	0.029	9.421	0.031		0.328	0.040	T	0.38	0.05	L	9.4383	0.0028	0.018	63		9.39	9.47					1							
71172	9.489	0.017	9.284	0.019		0.180	0.015	G	0.20	0.02	H	9.3433	0.0019	0.018	126		9.31	9.37					1							
71173	10.331	0.039	9.217	0.025		0.952	0.037	T	0.94	0.03	L	9.2657	0.0024	0.015	75		9.22	9.29		C			1							S
71174	9.038	0.014	7.948	0.009		0.942	0.013	T	0.93	0.01	L	8.0162	0.0008	0.010	94		8.00	8.03		D			1							S
71175	10.042	0.025	8.933	0.017		0.956	0.024	T	0.94	0.02	L	8.9751	0.0020	0.022	161		8.94	9.01			14334–4953	I 1	1							
71176	8.245	0.007	8.260	0.009		–0.009	0.010	T	0.01	0.01	L	8.2755	0.0009	0.013	181		8.25	8.30					1							
71177	8.310	0.010	7.763	0.010		0.544	0.014	G	0.62	0.01	H	7.8150	0.0015	0.013	98		7.80	7.84		C			1							S
71178	11.144	0.059	10.215	0.044		0.807	0.057	T	0.83	0.04	L	10.3238	0.0089	0.064	83		10.24	10.43		U 2			1							G
71179	8.249	0.010	7.041	0.008	A	1.033	0.010	T	1.01	0.01	L	7.1049	0.0055	0.012	73	A	7.09	7.13			14335–3319	I 1	2 C B	AB	157	14.111	0.051	3.46	0.13	S
71180	10.887	0.058	9.188	0.024		1.419	0.050	T	1.40	0.08	L	9.2032	0.0033	0.019	63		9.17	9.23					1							
71181	8.551	0.011	7.359	0.007		0.997	0.018	G	1.04	0.02	I	7.3743	0.0012	0.012	108		7.36	7.40					1							S
71182	7.264	0.005	5.994	0.003		1.085	0.005	G	1.05	0.00	I	6.0365	0.0006	0.007	150		6.02	6.05		C	14335–5241	I 1	1							S
71183	8.894	0.010	8.262	0.009	*	0.582	0.010	T	0.65	0.01	L *	8.2871	0.0017	0.020	173	*	8.25	8.32		D	14335–6909	I 1	2 C A	AB	254	0.548	0.002	0.29	0.01	
71184	6.426	0.003	5.914	0.003		0.482	0.006	G	0.55	0.01	H	5.9687	0.0006	0.007	127		5.96	5.98					1							S
71185	10.921	0.053	10.234	0.047		0.635	0.058	T	0.70	0.05	L	10.3379	0.0026	0.020	97		10.30	10.38					1							
71186	10.679	0.039	10.426	0.049		0.241	0.059	T	0.27	0.07	L	10.6387	0.0432	0.456	119		9.79	10.95	0.38	P 1 A			1 S							G
71187	10.921	0.044	10.405	0.045		0.485	0.057	T	0.56	0.06	L	10.4710	0.0033	0.035	180		10.41	10.52		C			1 S							G
71188						1.260	0.011	G	1.48	0.02	A	10.6391	0.0048	0.032	66		10.55	10.69					1 S							G
71189	9.513	0.025	9.170	0.027		0.331	0.020	G	0.39	0.03	H	9.2098	0.0040	0.020	53		9.17	9.24					1							
71190	9.989	0.031	8.883	0.020		0.923	0.003	G	0.97	0.00	I	8.9650	0.0016	0.013	73		8.94	8.99		C	14336+0920	I 1	1							
71191	11.511	0.068	9.416	0.016		1.772	0.058	T	1.94	0.26	K	9.2163	0.0021	0.024	205		9.18	9.26					1 S							
71192	7.199	0.005	6.662	0.005		0.504	0.006	T	0.58	0.01	L	6.7112	0.0008	0.007	112		6.70	6.72		C			1 G							S
71193	8.445	0.008	7.624	0.007	*	0.752	0.002	G	0.80	0.00	H *	7.7588	0.0010	0.014	233	*	7.74	7.79		D	14336+3535	I 1	2 C A	AB	38	3.019	0.003	0.87	0.01	S
71194	7.710	0.007	7.738	0.008		–0.023	0.009	T	0.00	0.01	L	7.7478	0.0018	0.023	140		7.70	7.77		U 2 C			1							S
71195	12.214	0.255	11.110	0.140		1.101	0.020	G	1.06	0.02	K	11.0972	0.0048	0.041	61		11.01	11.14					1							D
71196	7.987	0.010	6.419	0.004		1.315	0.008	T	1.28	0.01	L	6.4256	0.0008	0.009	117		6.41	6.44		C			1							S
71197	9.275	0.013	8.678	0.012		0.557	0.013	T	0.63	0.01	L	8.7484	0.0015	0.017	158		8.71	8.78					1							
71198	9.775	0.018	9.487	0.021		0.274	0.026	T	0.31	0.03	L	9.5521	0.0029	0.027	123		9.51	9.60					1 S							
71199	7.980	0.009	7.861	0.010		0.115	0.013	T	0.13	0.01	L	7.8819	0.0010	0.010	104		7.86	7.90		C			1							S
71200	10.464	0.024	9.197	0.014		1.079	0.022	T	1.04	0.02	L	9.2514	0.0023	0.027	196		9.20	9.30		R			1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
1 2	h m s	±° ′ ″	mag		deg	deg	mas	mas/yr		mas		mas	mas/yr		19	20	21	22	23	24	25	26	27	28	%	
	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18											29	30
71201	14 33 41.86	+08 19 19.1	8.35	H	218.424 405 20	+08.321 975 62	11.59	−52.58	17.13	0.88	0.74	1.09	0.86	0.79	−26	−33	−11	−	−22	+22	−21	−	9	− 1	−34	0	−1.27
71202	14 33 42.07	−55 57 39.9	7.83	H	218.425 302 66	−55.961 084 27	0.76	−13.62	3.98	0.69	0.62	0.93	0.77	0.88	−	4	−30	−	8	+17	+13	−	9	+11	+ 1	+10	−14	0	−2.17
71203	14 33 42.57	−36 16 09.7	9.18	H	218.427 377 44	−36.269 359 38	2.28	−24.91	−20.62	1.15	0.95	1.42	1.28	1.36	−20	−	7	−12	−10	+11	−19	−	4	−35	+18	−53	0	−0.08
71204	14 33 42.62	+62 40 10.5	10.50	H	218.427 595 92	+62.669 574 35	2.12	3.11	−1.95	0.91	0.96	1.07	1.00	1.01	+	4	−	3	−20	+	0	−15	+14	−11	+10	−15	−13	0	0.15
71205	14 33 42.81	+04 29 40.1	8.82	H	218.428 382 22	+04.494 476 95	4.73	−28.71	29.19	1.32	1.09	1.63	1.48	1.33	−58	+43	−47	−46	+28	−38	+27	−49	+45	−67	0	−0.68
71206 H	14 33 44.66	+43 00 27.7	6.75	H	218.436 064 91	+43.007 705 83 A	12.90	−44.41	41.44	0.59	0.61	0.73	0.67	0.60	+	7	+	7	+	3	−16	−	5	−18	−	2	−	2	−	2	−	3	0	−0.19
71207	14 33 45.24	+29 07 11.1	9.23	H	218.438 509 99	+29.119 754 44	9.67	12.43	11.13	0.81	0.84	1.37	0.92	1.14	+10	−18	−18	−38	−15	+11	+13	+28	−	2	−37	0	−0.04
71208	14 33 45.86	−00 56 50.2	10.30	H	218.441 064 77	−00.947 285 68	12.51	−27.12	−17.39	2.20	1.58	3.13	2.75	2.62	−	9	−38	−33	+36	−11	−24	−39	−	1	+57	−41	0	−0.76
71209	14 33 46.45	−79 57 18.8	6.66	H	218.443 521 17	−79.955 220 99	3.50	−10.00	−8.36	0.49	0.48	0.61	0.50	0.54	+	4	−21	−	2	−	6	+	5	+	2	+	3	−	2	+12	+	5	1	−0.78
71210	14 33 46.76	−02 38 25.6	8.98	H	218.444 831 02	−02.640 448 79	7.01	−27.87	−6.25	1.25	1.02	1.60	1.57	1.38	−22	−12	−41	+22	−	3	+	3	−	7	−34	+38	−26	0	0.77
71211	14 33 47.08	+13 19 01.3	8.99	H	218.446 146 84	+13.317 031 16	3.88	−9.31	−11.29	1.27	0.98	1.58	1.36	1.20	−17	−49	−17	−31	−	8	+31	−10	−15	+13	−30	0	−0.30
71212	14 33 47.28	−24 20 47.2	8.76	H	218.447 016 43	−24.346 449 02	2.37	−19.62	−9.31	0.99	0.76	1.33	1.27	1.24	−35	−29	−16	+11	+	4	−	1	−10	−32	+43	−41	0	2.33
*71213	14 33 47.74	−40 01 17.9	9.14	2 H	218.448 900 34	−40.021 650 99	1.67	−5.22	−1.98	1.02	0.70	1.36	1.10	1.20	−	1	−37	−25	+	8	+12	−	8	−	6	−39	+30	−26	3	0.32
*71214	14 33 47.88	−72 33 39.7	9.47	H	218.449 494 56	−72.561 036 13	6.50	−34.63	23.42	0.89	0.91	1.20	0.92	1.07	+30	−34	−10	+28	+21	−	8	+17	+41	+	2	+39	0	0.70
*71215	14 33 48.10	−71 28 01.0	9.21	H	218.450 436 88	−71.466 931 27	5.21	−34.45	−23.37	0.71	0.82	1.04	0.81	0.91	+29	−10	+	5	+19	+26	−12	+22	+38	+10	+40	2	2.13
*71216	14 33 49.73	−67 37 03.5	6.94	H	218.457 200 53	−67.617 632 33	2.96	−9.25	−9.50	0.41	0.49	0.72	0.49	0.54	+23	−	9	−	7	+	3	+16	−27	+13	+12	−	2	+36	0	−1.02
*71217	14 33 51.27	−61 51 53.6	8.88	H	218.463 607 21	−61.864 888 89	2.15	−4.12	−5.14	0.93	0.90	1.28	0.97	1.09	+	6	−42	−	9	+17	+	2	−	4	−	2	+37	+	5	+11	0	2.10
*71218	14 33 51.56	+02 34 32.3	9.14	H	218.464 813 68	+02.575 640 66	16.21	−109.76	−9.88	1.25	0.82	1.35	1.44	1.06	−15	−24	−22	+20	−20	−	5	−26	+14	+13	−29	0	1.75
*71219	14 33 51.73	−46 27 53.4	7.20	H	218.465 551 86	−46.464 845 78	7.05	−38.07	−33.82	0.63	0.48	0.91	0.89	0.74	−19	−22	+11	+38	+	9	−18	+25	−21	+	3	+10	0	0.23
*71220	14 33 51.74	−15 41 48.9	9.38	G	218.465 597 53	−15.696 912 04	3.40	−34.39	−5.99	1.28	1.00	1.45	1.58	1.28	−	2	−24	−43	+35	−14	+18	−	1	+43	−26	−26	5	1.59
*71221	14 33 52.00	+36 52 14.6	10.30	H	218.466 680 14	+36.870 709 59	17.68	181.98	111.95	2.14	2.77	4.00	2.50	3.06	+	9	+	5	−26	−12	−	1	−15	−	6	−	3	−21	+	5	0	
*71222 H	14 33 52.48	+55 14 09.6	7.62	H	218.468 673 61	+55.235 986 54 A	6.55	−8.52	9.60	0.96	1.08	1.07	1.06	1.15	+20	−	3	−21	−	3	−15	+	6	−12	−35	−18	+10	2	1.31
*71223	14 33 52.58	−54 29 16.8	8.66	H	218.469 093 81	−54.488 011 58	−1.19	−5.21	−1.85	0.78	0.64	1.12	0.81	0.91	−12	−44	+10	+	9	+11	−16	+13	−14	+	1	−13	0	−0.04
*71224	14 33 53.41	+46 03 21.8	10.22	H	218.472 535 67	+46.056 050 88	4.71	−66.15	5.20	0.98	1.01	1.31	1.09	1.10	+17	+	1	−16	−	6	+	1	−	3	+	2	+	3	+14	+	7	0	−1.34
*71225	14 33 54.41	−50 56 30.6	9.88	H	218.476 724 65	−50.941 832 22	6.43	−5.40	−27.17	1.07	0.80	1.47	1.27	1.30	−17	−29	−	3	+18	+11	+	5	+13	−10	+11	−11	0	1.10
*71226	14 33 54.85	+00 51 02.4	9.17	G	218.478 548 04	+00.850 659 36	8.78	26.82	−0.97	1.35	0.85	1.40	1.51	1.12	−	5	−30	−20	+	1	−28	−	1	−32	+16	+	9	−18	0	2.70
*71227	14 33 55.98	+03 20 10.9	9.12	H	218.483 242 46	+03.336 348 88	8.33	−18.56	−7.94	1.29	0.86	1.56	1.56	1.18	−14	−39	−18	+	7	−14	−23	−30	−	7	+34	−34	0	0.20
*71228	14 33 47.47	−61 24 28.1	11.37	2 G																								
71229	14 33 57.55	−30 37 01.8	9.63	H	218.489 782 86	−30.617 156 06	1.97	−15.29	−1.66	1.43	0.99	1.58	1.95	1.20	−13	−	4	−25	+	5	−19	+	9	−15	−	9	+	5	−	6	0	−0.41
71230	14 33 58.23	+38 56 21.9	8.23	1 H	218.492 644 75	+38.939 405 89	0.86	−10.33	11.43	0.57	0.70	0.96	0.69	0.78	+12	+	8	−20	+	6	+12	−26	+	6	+27	−26	+13	0	−0.04
71231	14 34 00.47	−29 40 15.7	8.91	H	218.501 972 99	−29.671 036 92	2.11	−17.10	−7.82	1.15	0.77	1.22	1.73	0.96	−15	+	8	−	4	−12	−22	−	4	−18	−20	−	9	+	8	0	0.41
71232	14 34 00.87	+15 38 00.7	9.41	H	218.503 620 49	+15.633 541 05	13.79	3.66	−43.54	1.02	1.16	1.65	1.30	1.27	−50	−21	−27	+44	+	2	−40	−14	+18	+	1	−59	0	1.63
71233	14 34 01.58	−46 26 02.5	8.59	H	218.506 603 79	−46.434 015 52	2.45	−48.80	−25.32	0.84	0.62	1.20	1.13	0.97	−19	−25	+	9	+34	+	6	−15	+21	−24	+10	+10	0	−0.80
71234	14 34 03.75	−16 49 10.4	7.18	H	218.515 641 15	−16.819 564 53	6.41	−1.73	−7.00	0.86	0.67	0.93	1.04	0.89	−23	−15	−24	+25	−27	+	4	−29	+28	+	7	−33	0	−0.34
71235	14 34 05.05	+46 47 11.3	6.51	H	218.521 062 40	+46.786 470 69	7.53	−40.14	7.92	0.47	0.48	0.61	0.53	0.50	+18	−11	−12	−21	−10	−	1	−	5	+12	−	6	+	3	0	1.10
71236	14 34 05.19	−31 57 26.9	7.55	H	218.521 608 83	−31.957 459 38	1.31	−51.70	−29.82	0.92	0.60	1.00	1.10	0.73	−19	−24	−	1	+33	−11	+13	−	9	+	1	−	3	−18	0	1.83
71237	14 34 06.40	+10 31 20.9	8.02	G	218.526 674 05	+10.522 458 75	8.25	17.14	4.98	0.87	0.66	0.99	0.92	0.72	−12	−18	−18	−18	−21	+15	−17	−	1	−	1	−24	0	0.01
71238	14 34 07.58	+78 15 53.7	9.63	H	218.531 583 18	+78.264 909 95	0.26	−24.75	−20.49	0.79	0.74	0.87	1.03	0.81	+	2	+	2	−16	+	5	−12	+22	−	7	+15	−20	−14	0	1.54
71239	14 34 07.98	−42 05 57.2	6.59	H	218.533 249 40	−42.099 229 49	3.16	−16.81	−11.03	0.70	0.46	0.85	0.99	0.74	+	3	−	5	−	9	−19	−	5	−19	−	4	−46	+11	+12	0	0.20
71240	14 34 08.36	−13 28 43.7	8.23	H	218.534 849 95	−13.478 799 93	6.41	−41.11	14.72	1.14	0.77	1.17	1.32	1.01	−	2	−21	−21	+47	+	6	+13	+	4	+	3	+20	−	9	0	−1.49
71241	14 34 08.68	−01 28 56.6	9.12	H	218.536 156 36	−01.482 397 91	9.99	12.79	−37.34	1.89	1.28	2.19	2.17	1.98	−36	+	5	−29	+49	+	2	−	1	+	2	−37	+50	−36	0	−0.18
71242	14 34 09.74	−19 31 09.0	7.87	H	218.540 583 38	−19.519 179 37	−0.01	16.71	−0.97	0.86	0.62	1.02	1.13	0.79	−31	−18	−12	+	6	−12	+	5	−11	−	6	+18	−	7	0	1.81
*71243	14 34 11.63	+32 32 04.1	6.32	H	218.548 474 12	+32.534 462 87	23.72	106.09	5.69	0.36	0.49	0.77	0.55	0.54	−	7	+	5	−11	+12	+	0	−23	−	5	+	1	−10	−21	0	0.06
*71244	14 34 11.44	−33 11 19.5	10.04	H	218.547 649 29	−33.188 738 93	4.61	−31.02	10.56	1.57	1.07	1.79	1.85	1.41	−23	−33	−12	+14	−24	+	8	−27	+10	+13	−30	0	1.78
71245	14 34 12.06	−17 33 47.9	9.33	H	218.550 240 03	−17.563 312 77	5.01	−6.22	−7.09	1.36	0.94	1.49	1.61	1.13	−15	+	1	−32	+35	−13	+26	−	7	−	3	+	6	−16	0	−2.15
71246	14 34 13.07	+73 21 26.9	9.17	H	218.554 476 07	+73.357 469 92	1.00	5.74	15.13	0.69	0.84	0.82	0.77	0.95	−	7	−18	−22	+15	−18	−	1	−17	+32	−	2	−23	0	1.59
71247	14 34 13.79	+12 34 55.4	10.78	G	218.557 454 93	+12.582 064 63	21.90	−501.82	202.11	1.66	1.43	2.09	1.99	1.65	−30	−21	−	1	−18	−	3	+35	+	1	−	8	−17	−30	0	−1.58
71248	14 34 14.18	+50 01 32.2	8.55	H	218.559 084 07	+50.025 610 47	14.50	−212.11	51.29	0.56	0.62	0.77	0.68	0.69	+18	−17	−29	+	4	−20	+16	−24	−14	+	1	−26	0	0.64
71249	14 34 14.55	+21 24 29.9	9.24	H	218.560 605 63	+21.408 304 00	1.59	−40.50	−0.42	0.89	0.83	1.19	1.11	0.94	−12	+	7	−20	+28	+	8	+	6	+	6	+12	−	8	−17	0	−0.43
71250	14 34 15.10	+29 22 06.9	8.95	G	218.562 921 08	+29.368 577 23	2.51	−46.45	1.87	0.76	0.74	1.24	1.03	1.05	+20	−	8	−24	−15	−	9	+12	+	9	+18	+	8	−31	0	0.20
71251	14 34 15.70	+57 03 57.0	6.46	H	218.565 420 01	+57.065 823 44	34.46	217.21	−232.47	0.48	0.46	0.54	0.51	0.53	+19	+	1	−	5	−29	−15	−	9	−14	−	5	−14	+10	0	0.61
71252	14 34 16.63	−11 10 38.2	9.33	H	218.569 290 99	−11.177 265 80	12.83	−144.96	−148.41	1.37	0.88	1.52	1.38	1.10	−10	−49	−13	+30	+	1	−11	−14	+	2	+26	−23	0	−2.55
71253	14 34 17.02	−12 31 15.6	11.32	G	218.570 932 05	−12.521 001 45	163.51	−357.50	595.12	2.53	1.86	2.77	2.74	2.07	−21	−40	−12	+34	+	1	−11	−	2	−13	+19	−13	0	0.45
71254	14 34 17.34	+28 29 10.5	8.13	G	218.572 248 31	+28.486 260 94	8.89	48.44	−107.49	0.60	0.67	1.04	0.70	0.83	+	1	−	9	−26	−26	−20	+	9	−	3	+23	−16	−37	0	−0.60
71255	14 34 18.80	+01 40 41.3	8.48	H	218.578 327 79	+01.678 147 69	2.36	−41.00	−8.80	1.06	0.78	1.15	1.14	0.97	−14	−39	−17	+19	−27	+	4	−25	+29	−	2	−24	0	1.83
71256	14 34 20.56	+24 23 30.6	8.42	H	218.585 653 50	+24.391 820 91	3.49	12.62	−2.09	0.85	0.68	1.09	1.05	0.73	+	2	−28	−27	+32	+	9	−28	+	7	+27	−22	−	5	4	0.99
71257	14 34 21.07	+07 32 21.0	8.37	H	218.587 778 10	+07.539 177 75	1.07	−10.32	−7.62	1.10	0.79	1.31	1.03	0.85	+11	−31	−34	−34	−36	+34	−38	−33	+20	−	6	0	0.04
71258	14 34 22.00	−44 18 08.2	8.52	H	218.591 661 66	−44.302 276 17	7.38	−5.47	−35.29	1.01	0.67	1.17	1.25	1.21	−19	−12	−	1	−12	+19	−11	+16	−37	+12	−33	0	−1.25
71259	14 34 22.52	+04 10 41.9	8.59	H	218.593 826 06	+04.178 318 01	4.72	−7.30	−23.11	1.13	1.00	1.50	1.35	1.22	−48	+24	−46	−37	+19	−28	+16	−45	+45	−57	0	−1.97
71260	14 34 25.26	+11 39 00.2	10.40	H	218.605 237 82	+11.650 066 56	5.36	−44.12	−1.42	1.96	1.43	2.20	2.26	1.53	−13	−29	−18	−48	−11	+34	−	6	−25	+	4	−18	2	0.14
71261	14 34 25.83	+24 24 00.0	8.44	H	218.607 636 23	+24.399 995 48	6.96	4.23	−7.20	0.95	0.73	1.16	1.22	0.80	+	0	−18	−22	+38	+13	−26	+	9	+24	−24	−	2	4	1.39
71262	14 34 26.57	−54 16 37.3	9.37	H	218.610 717 09	−54.277 020 51	13.30	−104.64	−33.23	0.98	0.68	1.38	1.04	1.08	+	0	−38	−	2	+	6	+10	−25	+	7	−27	+13	−	6	0	−0.37
71263	14 34 26.72	−22 23 27.8	7.41	H	218.611 318 01	−22.391 052 48	4.74	−10.68	−16.17	0.73	0.55	0.86	0.81	0.66	−34	−19	−	8	+14	−	1	+14	+	2	−23	+13	−25	0	−0.04
71264	14 34 29.26	−64 12 07.3	9.07	2 H	218.621 920 07	−64.202 028 07	1.87	−2.83	−0.08	0.75	0.90	1.25	0.96	1.17	+28	−16	−	8	+30	+18	−11	+24	+11	−	8	+54	2	0.91
71265	14 34 29.89	+59 51 28.3	7.69	H	218.624 527 88	+59.857 873 13	1.57	4.60	−16.47	0.56	0.58	0.65	0.60	0.59	+15	−	6	−	6	−	1	+	5	−	7	+	5	+	1	−14	+10	0	0.62
71266	14 34 30.48	+66 47 40.8	7.52	G	218.626 983 76	+66.794 674 83	3.78	−7.71	8.44	0.53	0.64	0.68	0.53	0.71	+	6	−22	−35	−16	+	1	−11	−	3	−	9	+	8	−20	0	−0.78
71267	14 34 30.56	+63 12 57.3	7.44	H	218.627 333 14	+63.215 911 02	5.77	−56.53	−32.18	0.49	0.51	0.57	0.55	0.56	+10	−13	−21	−	2	−	7	−	3	−	5	+	7	−	8	−	8	0	0.70
71268 H	14 34 30.76	+38 00 45.0	8.10	G	218.628 150 71	+38.012 499 76 A	4.76	−31.73	22.73	0.83	0.98	1.32	0.90	1.06	+	1	+25	−28	−12	+	0	−21	−	8	−	3	−15	+12	1	0.27
71269	14 34 32.27	+64 57 58.0	8.49	2 H	218.634 438 60	+64.966 111 58	0.88	2.88	−6.97	0.62	0.75	0.78	0.65	0.92	+	7	−16	−36	−25	+	3	−	9	+	2	−	1	+	5	−	8	3	−0.90
71270	14 34 32.96	−03 10 16.4	8.71	H	218.637 333 62	−03.171 232 70	13.09	−60.61	−74.35	1.14	0.82	1.49	1.29	1.24	−	6	−33	−44	+22	+	0	−15	−28	−36	+49	−39	0	−1.06
71271	14 34 33.46	−46 18 17.1	7.61	H	218.639 434 22	−46.304 737 06	5.83	−21.06	−22.20	0.60	0.46	0.91	0.72	0.68	−16	−22	+10	+22	+	6	−20	+14	−21	+13	+	2	0	−0.36
71272	14 34 33.57	−43 33 05.2	10.74	G	218.639 889 76	−43.551 438 01	16.94	−186.84	151.58	4.10	2.59	4.81	3.87	4.04	−12	−30	−	9	−18	+13	−	5	+12	−40	−	1	−22	0		
71273	14 34 35.68	+55 33 12.0	8.11	G	218.648 647 34	+55.553 324 30	4.89	−70.29	42.32	0.64	0.65	0.73	0.77	0.80	+27	−10	−20	−15	−13	−	4	−14	−22	−	1	+21	0	1.61
71274	14 34 36.66	−57 06 35.2	8.10	H	218.652 730 69	−57.109 775 47	−0.38	−6.77	−5.96	0.75	0.65	1.02	0.87	0.88	+	2	−36	−	1	+25	+16	−19	+15	−13	+	8	+	4	0	−0.43
71275	14 34 37.08	−26 08 37.5	8.94	H	218.654 502 95	−26.143 743 94	4.52	10.43	−4.03	1.10	0.91	1.44	1.18	1.04	−18	−21	−30	−13	+16	−31	+	1	−47	+38	−25	2	0.65
71276	14 34 37.47	−01 58 23.1	9.93	H	218.656 126 33	−01.973 079 05	19.11	57.04	−126.41	1.97	1.31	2.55	2.34	2.16	−19	−28	−31	+49	+	5	−25	−22	−33	+59	−43	0	−0.19
71277	14 34 38.52	+36 37 34.2	6.02	1 H	218.660 491 20	+36.626 177 07	5.74	−24.54	−46.60	0.39	0.59	0.83	0.47	0.69	+17	+	1	−42	−	7	+	5	−18	−	3	−	1	−21	+21	0	0.08
71278	14 34 38.72	−61 44 26.6	9.69	H	218.661 343 72	−61.740 720 59 B	5.58	−5.95	0.16	9.05	8.72	6.45	7.75	7.22	+	8	−23	−13	+31	+	4	+	1	+	7	+32	−	6	+32	1	0.81
71279	14 34 38.88	+13 35 10.8	9.12	H	218.662 013 18	+13.586 329 64	2.82	−18.13	11.50	1.24	0.97	1.56	1.32	1.03	−10	−43	−27	−22	−17	+33	−	9	−	9	+	3	−23	0	0.61
71280	14 34 39.66	+49 22 05.6	5.74	1 H	218.665 256 70	+49.368 231 71	4.17	−45.83	50.41	0.44	0.48	0.60	0.47	0.49	+17	−18	−32	−	9	−21	+13	−22	−20	+	3	−14	1	0.62
71281	14 34 39.84	−61 44 54.2	7.94	H	218.666 001 82	−61.748 382 80 A	2.03	−3.89	−18.04	2.20	2.00	2.17	2.35	2.20	+11	−23	−	4	+33	+	8	−	9	+10	+30	−11	+26	1	0.81
71282	14 34 39.93	−59 47 04.4	7.84	H	218.666 393 35	−59.784 547 65	0.05	−2.46	−3.25	0.71	0.58	0.91	0.86	0.69	+19	−22	+10	+32	+	8	−	9	+	7	+31	+12	+37	1	−2.04
71283 H	14 34 40.48	+57 56 21.9	9.31	H	218.668 669 15	+57.939 423 48 A	4.27	1.05	−9.57	1.38	1.76	1.11	1.01	1.13	+29	−	4	−15	−10	−	4	+	8	−	8	−	4	−	3	−	1	0	0.98
71284	14 34 40.69	+29 44 41.3	4.47	G	218.669 543 81	+29.744 807 35	64.66	188.32	132.72	0.46	0.43	0.72	0.60	0.63	+	9	+	3	−19	−27	−14	+	0	+	6	+17	+	6	−41	0	−0.37
71285	14 34 41.83	−44 01 41.9	8.33	H	218.674 309 40	−44.028 316 92	7.20	62.81	2.10	0.99	0.63	1.17	1.15	1.14	−15	−28	−14	−31	+19	−	3	+	8	−48	+29	−30	0	0.61
71286	14 34 43.47	+52 02 35.9	8.78	H	218.681 120 92	+52.043 307 96	2.57	−25.47	−0.28	0.68	0.71	0.86	0.68	0.80	+21	−29	−25	−21	−10	+	7	−11	−27	+	1	−	6	0	−1.68
71287	14 34 43.59	+65 58 15.8	7.97	G	218.681 609 76	+65.971 054 80	9.06	−48.50	5.13	0.53	0.67	0.70	0.62	0.79	+	6	−15	−38	−11	+	1	−16	−	6	−	8	+14	−22	3	−1.45
71288	14 34 44.11	+28 23 39.1	7.91	H	218.683 779 18	+28.394 187 21	7.81	−34.38	−41.05	0.60	0.63	0.98	0.79	0.82	+	3	+	3	−19	−17	−24	+	1	−14	+15	−18	−34	0	−0.90
71289	14 34 44.14	−35 27 48.1	7.32	H	218.683 933 18	−35.463 356 44	11.93	−75.23	−51.53	0.88	0.65	1.14	1.10	0.82	−	6	−	4	−42	−28	−	9	−	3	−11	−48	+43	+	5	0	−0.15
71290	14 34 44.66	−10 52 34.8	9.16	H	218.686 095 49	−10.876 341 62	4.32	23.58	−5.93	1.19	0.93	1.34	1.19	1.08	−11	−38	−24	+31	+	3	−15	−	7	+	7	+15	−34	0	−0.39
71291	14 34 47.72	+39 24 58.2	8.95	H	218.698 839 30	+39.416 179 88	16.03	80.84	−274.32	0.68	0.84	1.03	0.83	0.96	+	7	−	2	+	3	+	6	+18	−10	+16	+24	−25	+13	0	1.18
71292	14 34 48.10	−01 24 44.6	8.80	H	218.700 428 28	−01.412 381 40	3.54	−16.76	−3.34	1.57	0.93	1.74	1.94	1.43	−31	−	5	−30	+66	−26	+11	−26	+	1	+49	−29	0	−1.31
71293	14 34 49.23	−04 39 05.8	8.34	H	218.705 137 68	−04.651 624 96	11.82	6.92	−22.59	1.05	0.77	1.31	1.25	1.04	−29	−	9	−39	+34	−10	+12	−11	−38	+41	−29	0	0.25
71294	14 34 49.47	+06 07 08.5	8.85	H	218.706 143 21	+06.119 028 14	−1.27	0.85	1.32	0.99	1.01	1.43	1.04	1.08	−31	−	9	−46	−25	+	3	+	0	−	2	−44	+37	−45	0	1.94
71295	14 34 50.72	−20 26 21.8	6.49	G	218.711 327 91	−20.439 377 60	5.32	16.64	−1.46	0.79	0.51	0.95	0.88	0.65	−37	−41	+	5	−	7	−13	+	8	−20	+13	−24	−	9	0	0.85
71296	14 34 51.27	−38 36 14.8	8.76	H	218.713 640 92	−38.604 097 36	13.78	−12.07	−33.43	0.92	0.73	1.28	0.86	0.99	−	4	−39	−30	+	0	+14	−18	−	7	−28	+38	−29	0	−0.02
71297	14 34 51.67	+16 25 19.5	9.35	G	218.715 282 41	+16.422 074 45	2.41	10.03	−18.18	0.92	0.86	1.32	1.05	0.91	−33	−	4	−27	+32	+11

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
71201	8.963	0.013	8.404	0.012		0.523	0.016	T	0.60	0.02	L	8.4694	0.0019	0.013	95		8.44	8.49					1							S
71202	10.159	0.025	8.057	0.009		1.739	0.021	T	1.77	0.02	L	7.9267	0.0016	0.017	124		7.90	7.95					1							
71203	10.726	0.046	9.282	0.022		1.218	0.040	T	1.18	0.04	L	9.3404	0.0034	0.021	73		9.29	9.38					1							
71204	11.653	0.101	10.587	0.059		0.924	0.089	T	0.92	0.07	L	10.6670	0.0024	0.024	114		10.61	10.71					1							G
71205	9.571	0.019	8.864	0.016		0.651	0.020	T	0.71	0.02	L	8.9544	0.0015	0.013	95		8.94	8.98		D			1							S
71206	7.137	0.005	6.812	0.005	A	0.160	0.150	G	0.35	0.01	L *	6.8282	0.0010	0.009	145	*	6.81	6.84		D	14337+4300	M 1	2 C	A	AB	142	1.690	0.013	3.37	0.07	S
71207	9.832	0.016	9.293	0.015		0.505	0.020	T	0.58	0.02	L	9.3453	0.0019	0.023	171		9.30	9.39		C			1							S
71208	11.095	0.098	10.368	0.078		0.580	0.020	G	0.65	0.02	H	10.4272	0.0054	0.035	44		10.36	10.48		C			1							
71209	8.105	0.007	6.788	0.005		1.118	0.007	T	1.08	0.01	L	6.8267	0.0009	0.010	143		6.81	6.84					1							S
71210	9.564	0.025	9.022	0.023		0.508	0.030	T	0.58	0.03	L	9.0864	0.0025	0.012	61		9.06	9.11		C			1							S
71211	10.319	0.031	9.108	0.019		1.036	0.028	T	1.01	0.02	L	9.1574	0.0020	0.014	72		9.14	9.19					1							
71212	10.155	0.035	8.874	0.020		1.090	0.032	T	1.05	0.03	L	8.9293	0.0016	0.014	77		8.91	8.95		C			1							
71213	11.230	0.068	9.363	0.022		1.584	0.059	T	2.40	0.10	O	9.1699	0.0040	0.030	113		9.12	9.21		U			1							
71214	10.044	0.022	9.515	0.022		0.505	0.023	T	0.58	0.02	L	9.5827	0.0022	0.030	154		9.53	9.64					1							
71215	9.716	0.017	9.234	0.016		0.466	0.018	T	0.54	0.02	L	9.3105	0.0017	0.022	167		9.26	9.35		C			1	S						
71216	6.842	0.003	6.918	0.004		−0.065	0.004	T	−0.04	0.00	L	6.9234	0.0009	0.010	181		6.90	6.94					1							S
71217	8.960	0.014	8.863	0.017		0.095	0.021	T	0.11	0.02	L	8.9131	0.0027	0.025	104		8.87	8.95					1							
71218	10.044	0.038	9.223	0.029		0.724	0.037	T	0.78	0.03	L	9.2801	0.0038	0.021	65		9.24	9.31					1							S
71219	8.366	0.010	7.294	0.006		0.928	0.009	T	0.92	0.01	L	7.3560	0.0009	0.011	151		7.34	7.38		C	14338−4628	I 1	1							S
71220	10.087	0.040	9.482	0.037		0.586	0.020	G	0.66	0.02	H	9.5136	0.0019	0.012	56		9.49	9.54					1							
71221	11.520	0.067	10.442	0.041		0.933	0.060	T	0.93	0.04	L	10.4682	0.0031	0.043	142		10.36	10.53					1 X							
71222	8.018	0.013	7.769	0.015	*	0.237	0.019	T	0.26	0.02	L *	7.6862	0.0014	0.012	108	*	7.67	7.71		D	14339+5514	I 1	2 C	A	AB	110	1.086	0.003	1.09	0.02	S
71223	8.896	0.012	8.724	0.014		0.340	0.015	G	0.40	0.02	H	8.7446	0.0015	0.016	121		8.72	8.77					1							
71224	11.020	0.048	10.272	0.039		0.684	0.049	T	0.74	0.04	L	10.3611	0.0042	0.032	115		10.30	10.40					1							
71225	10.413	0.032	9.903	0.033		0.489	0.035	T	0.56	0.04	L	9.9848	0.0027	0.028	149		9.92	10.03					1							G
71226	9.543	0.027	9.122	0.028		0.440	0.020	G	0.51	0.02	H	9.2319	0.0029	0.016	58		9.21	9.27		C			1							
71227	9.586	0.025	9.122	0.024		0.437	0.032	T	0.51	0.03	L	9.2137	0.0021	0.015	59		9.19	9.24		C			1							
71228						0.470	0.042	G	0.54	0.04	R	12.6792	0.0262	0.176	91		12.27	12.95		U	14338−6124	I 1		S						D G
71229	10.077	0.032	9.667	0.034		0.388	0.043	T	0.45	0.05	L	9.7224	0.0028	0.020	66		9.69	9.76		C			1							
71230	10.242	0.026	8.402	0.010		1.530	0.022	T	1.57	0.05	L	8.3489	0.0017	0.020	140		8.31	8.39		U			1							
71231	9.605	0.025	8.980	0.022		0.577	0.025	T	0.65	0.02	L	9.0377	0.0026	0.014	66		9.00	9.06					1							
71232	10.181	0.025	9.493	0.022		0.635	0.027	T	0.70	0.02	L	9.5449	0.0023	0.021	123		9.49	9.59		C			1							S
71233	9.959	0.020	8.690	0.012		1.081	0.018	T	1.04	0.01	L	8.7620	0.0015	0.016	141		8.74	8.79		C			1							
71234	7.339	0.008	7.198	0.009		0.136	0.011	T	0.15	0.01	L	7.2336	0.0012	0.007	55		7.22	7.25		C			1							S
71235	6.579	0.004	6.517	0.004		0.062	0.005	T	0.07	0.01	L	6.5341	0.0006	0.005	116		6.52	6.54		C			1							S
71236	9.083	0.014	7.689	0.009		1.179	0.013	T	1.14	0.01	L	7.7112	0.0013	0.014	82		7.69	7.73					1 G							S
71237	8.231	0.010	8.054	0.011		0.160	0.020	G	0.18	0.02	H	8.0820	0.0020	0.014	92		8.06	8.11		C			1							S
71238	11.021	0.049	9.796	0.027		1.000	0.040	G	0.98	0.03	R	9.7915	0.0023	0.022	126		9.74	9.83					1	S						
71239	6.676	0.004	6.597	0.006		0.078	0.007	T	0.09	0.01	L	6.6191	0.0008	0.008	120		6.61	6.63		C			1							S
71240	9.606	0.024	8.328	0.015		1.088	0.022	T	1.05	0.02	L	8.3987	0.0024	0.013	56		8.38	8.42		C			1							
71241	10.707	0.063	9.257	0.031		1.223	0.055	T	1.18	0.05	L	9.2890	0.0045	0.029	52		9.25	9.34		C			1							
71242	9.392	0.019	8.017	0.011		1.164	0.017	T	1.13	0.01	L	8.0407	0.0016	0.010	77		8.02	8.06		C			1							S
71243	6.825	0.003	6.362	0.003		0.450	0.003	T	0.52	0.00	L	6.4170	0.0005	0.008	194		6.40	6.43		C	14342+3232	I 1	1	S						S
71244	10.838	0.061	10.092	0.049		0.667	0.059	T	0.73	0.05	L	10.1739	0.0040	0.027	69		10.12	10.23		C			1							G
71245	10.722	0.061	9.423	0.033		1.104	0.054	T	1.07	0.06	L	9.5013	0.0026	0.019	49		9.47	9.53		C			1							
71246	10.709	0.040	9.315	0.020		1.179	0.035	T	1.14	0.03	L	9.3367	0.0022	0.016	117		9.30	9.36					1							
71247						1.095	0.004	G	1.17	0.01	I	10.9130	0.0057	0.032	64		10.87	10.98		C			1							G
71248	9.273	0.016	8.617	0.014		0.609	0.018	T	0.68	0.02	L	8.6751	0.0017	0.014	127		8.65	8.70					1							S
71249	11.050	0.056	9.355	0.022		1.416	0.048	T	1.40	0.08	L	9.3817	0.0025	0.019	89		9.36	9.41					1							
71250	10.487	0.026	9.064	0.013		1.086	0.015	G	1.05	0.01	I	9.0975	0.0022	0.026	166		9.06	9.14					1							
71251	7.080	0.005	6.524	0.004		0.526	0.005	T	0.60	0.01	L	6.5780	0.0006	0.006	114		6.57	6.59		C			1							S
71252	10.257	0.039	9.420	0.030		0.753	0.037	T	0.80	0.03	L	9.4792	0.0028	0.014	62		9.45	9.50		C			1							
71253						1.633	0.052	G	2.87	0.05	A	11.2634	0.0060	0.049	59		11.12	11.34					1							G
71254	9.329	0.012	8.243	0.008		0.933	0.005	G	0.93	0.00	H	8.2970	0.0013	0.016	162		8.27	8.33		C			1							S
71255	10.124	0.031	8.619	0.016		1.266	0.027	T	1.22	0.03	L	8.6432	0.0013	0.015	65		8.62	8.67		D			1							
71256	8.483	0.013	8.431	0.016		0.040	0.015	G	0.06	0.01	H	8.4385	0.0019	0.012	87		8.41	8.46		C	14344+2424	I 2	1							S
71257	10.278	0.040	8.547	0.018		1.444	0.035	T	1.44	0.06	L	8.5067	0.0022	0.017	65		8.48	8.53					1							
71258	9.027	0.014	8.559	0.014		0.454	0.015	T	0.52	0.02	L	8.6194	0.0018	0.014	105		8.60	8.64		C			1							
71259	9.095	0.015	8.636	0.015		0.433	0.019	T	0.50	0.02	L	8.6867	0.0015	0.013	88		8.66	8.72					1							S
71260	11.030	0.071	10.370	0.068		0.612	0.083	T	0.68	0.07	L	10.5248	0.0038	0.029	65		10.47	10.57					1							
71261	9.529	0.021	8.532	0.016		0.872	0.020	T	0.88	0.01	L	8.5995	0.0016	0.016	86		8.58	8.64		C	14344+2424	I 2	1							
71262	10.185	0.025	9.431	0.021		0.673	0.025	T	0.73	0.02	L	9.5077	0.0021	0.020	130		9.48	9.53		C			1							G
71263	8.634	0.012	7.514	0.008		0.965	0.011	T	0.95	0.01	L	7.5694	0.0007	0.006	92		7.56	7.58					1							S
71264	9.202	0.012	9.048	0.015		0.140	0.018	T	0.15	0.02	L	9.1196	0.0097	0.097	167		8.93	9.23		U 2 C			1							
71265	9.479	0.016	7.835	0.008		1.375	0.014	T	1.35	0.02	L	7.8416	0.0013	0.013	117		7.82	7.86		C			1							S
71266	8.330	0.010	7.607	0.008		0.689	0.015	G	0.75	0.01	H	7.6520	0.0012	0.012	122		7.63	7.68		C			1							S
71267	8.902	0.013	7.576	0.008		1.125	0.012	T	1.09	0.01	L	7.6103	0.0010	0.011	113		7.59	7.63					1							S
71268	8.350	0.009	8.118	0.009	*	0.200	0.015	G	0.22	0.02	H *	8.1405	0.0013	0.016	146	*	8.11	8.18			14345+3801	H 1	2 C	A	AB	291	0.886	0.024	3.36	0.10	S
71269	10.646	0.044	8.693	0.016		1.620	0.037	T	1.64	0.04	L	8.6060	0.0042	0.035	95		8.55	8.66		U 2			1							
71270	9.302	0.018	8.743	0.017		0.523	0.022	T	0.60	0.02	L	8.8234	0.0017	0.015	72		8.80	8.86		C			1							S
71271	7.665	0.006	7.606	0.007		0.053	0.008	T	0.07	0.01	L	7.6309	0.0011	0.009	152		7.62	7.64		C			1							
71272	12.403	0.257	10.910	0.100		1.084	0.005	G	1.15	0.01	I	10.8732	0.0062	0.041	90		10.80	10.93					1 X							G
71273	9.358	0.015	8.226	0.010		0.990	0.015	G	0.97	0.01	H	8.2667	0.0012	0.014	121		8.24	8.29					1							S
71274	8.364	0.010	8.124	0.011		0.225	0.004	G	0.25	0.01	H	8.1660	0.0019	0.015	124		8.14	8.20					1							
71275	10.843	0.064	9.105	0.023		1.450	0.054	T	1.45	0.09	L	9.0726	0.0026	0.019	78		9.05	9.10		C			1							
71276	11.167	0.068	10.017	0.040		1.010	0.015	G	1.05	0.02	I	10.0715	0.0045	0.032	60		10.03	10.12					1							
71277	7.844	0.006	6.167	0.003		1.379	0.001	G	1.37	0.01	L	6.1657	0.0012	0.011	151		6.15	6.18		M			1							S
71278	9.853	0.026	9.657	0.033	B	0.180	0.041	T	0.20	0.05	L	9.6994	0.0270			B				D	14347−6145	I 2	1 C I D							D
71279	10.347	0.037	9.198	0.023		0.987	0.034	T	0.97	0.03	L	9.2887	0.0021	0.020	65		9.26	9.32					1							S
71280	7.798	0.007	5.923	0.004		1.560	0.015	G	1.71	0.05	F	5.8487	0.0015	0.013	120		5.83	5.87		U 2			1							S
71281	9.995	0.031	8.150	0.013	A	1.344	0.134	G	1.43	0.06	L	8.0791	0.0086	0.022	106	A	8.04	8.11		D	14347−6145	I 2	1 C P D							D
71282	8.609	0.010	7.923	0.009		0.634	0.011	T	0.70	0.01	L	7.9675	0.0014	0.012	123		7.94	7.99					1							S
71283	9.846	0.020	9.361	0.019	*	0.456	0.025	T	0.53	0.03	L *	9.4053	0.0018	0.016	127	*	9.38	9.44		D	14347+5756	H 1	2 C	A	AB	19	0.373	0.022	2.70	0.14	
71284	4.901	0.002	4.513	0.002		0.364	0.005	G	0.41	0.03	C	4.5470	0.0005	0.005	142		4.54	4.56			14347+2945	I 1	1							S
71285	9.811	0.026	8.461	0.015		1.144	0.024	T	1.11	0.02	L	8.4987	0.0011	0.013	106		8.47	8.52		C			1							
71286	10.103	0.026	8.873	0.016		1.050	0.024	T	1.02	0.02	L	8.9507	0.0013	0.015	115		8.93	8.99					1							
71287	8.418	0.010	8.005	0.010		0.410	0.004	G	0.48	0.00	H	8.0630	0.0010	0.011	111		8.04	8.09		C			1							S
71288	8.621	0.008	7.987	0.007		0.581	0.029	G	0.65	0.03	H	8.0403	0.0017	0.015	153		8.02	8.07					1							S
71289	7.907	0.008	7.381	0.008		0.491	0.015	G	0.56	0.02	H	7.4307	0.0012	0.008	78		7.42	7.44		C			1							S
71290	9.774	0.023	9.245	0.023		0.496	0.029	T	0.57	0.03	L	9.2657	0.0029	0.016	66		9.24	9.30		C			1							
71291	9.619	0.016	9.018	0.015		0.580	0.015	G	0.65	0.01	H	9.0718	0.0019	0.023	150		9.04	9.12		C			1							
71292	9.306	0.023	8.821	0.022		0.456	0.029	T	0.53	0.03	L	8.8969	0.0024	0.017	57		8.87	8.94					1							
71293	9.019	0.013	8.402	0.012		0.579	0.015	G	0.65	0.01	H	8.4689	0.0010	0.014	101		8.44	8.50					1							S
71294	9.922	0.026	8.922	0.019		0.874	0.024	T	0.88	0.02	L	9.0058	0.0015	0.014	88		8.98	9.03					1							
71295	6.670	0.004	6.507	0.004		0.139	0.004	G	0.15	0.00	H	6.5420	0.0007	0.006	98		6.53	6.55		C			1							S
71296	9.743	0.021	8.821	0.015		0.802	0.020	T	0.83	0.01	L	8.8996	0.0016	0.015	103		8.87	8.93					1							
71297	9.913	0.024	9.462	0.024		0.470	0.020	G	0.54	0.02	H	9.4508	0.0017	0.017	108		9.42	9.48		C			1							
71298	9.674	0.029	9.309	0.031		0.346	0.040	T	0.41	0.05	L	9.3678	0.0020	0.013	67		9.34	9.39					1							
71299	11.642	0.107	10.089	0.041		1.304	0.090	T	1.26	0.09	L	10.0337	0.0040	0.026	64		9.98	10.07		C			1							
71300	9.265	0.016	8.844	0.017		0.411	0.019	T	0.48	0.02	L	8.9095	0.0027	0.017	77		8.89	8.93		C			1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)														Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$		F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr													%		
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
71301	14 34 54.16	+67 43 24.8	10.06	H	218.725 666 50	+67.723 556 25		5.96	−130.43	116.44	0.83	0.99	1.01	0.88	1.25	+ 9	−12	−18	− 7	− 3	+ 3	− 3	+11	+ 2	+ 5		0	0.55
71302	14 34 54.61	−37 20 32.7	9.77	H	218.727 521 75	−37.342 421 60		11.14	16.55	−8.39	1.37	0.99	1.74	1.49	1.72	−11	−27	−23	− 9	− 1	− 8	−17	−19	+31	−33		0	−2.00
71303	14 34 54.65	+37 56 40.8	9.70	H	218.727 720 59	+37.944 672 58		2.37	−34.95	2.57	0.86	1.10	1.49	1.04	1.15	+10	+14	−30	+ 3	−12	−13	−19	− 4	−21	+ 9		0	0.12
71304	14 34 55.18	−26 03 20.2	8.90	H	218.729 912 86	−26.055 604 30		4.57	−20.26	−3.43	1.16	0.95	1.55	1.23	1.08	−24	−21	−29	−14	+17	−35	+ 1	−52	+40	−33		2	−2.97
71305	14 34 55.25	+09 53 11.3	7.89	G	218.730 218 57	+09.886 477 11		7.45	6.88	24.22	0.87	0.65	1.04	0.91	0.70	− 5	−25	−26	−21	−22	+13	−21	−16	+ 9	−21		0	0.19
71306	14 34 55.50	−33 55 59.0	9.22	H	218.731 269 61	−33.933 055 35		1.05	−22.26	−13.94	1.30	0.80	1.48	1.40	0.97	−18	−15	−14	+32	− 9	+16	−11	−12	+20	−19		0	−1.13
71307 H	14 34 55.81	−61 49 34.3	8.90	1 H	218.732 532 38	−61.826 183 82	A	−0.81	−3.40	−1.23	1.33	1.30	1.74	1.39	1.48	+17	−38	−27	+26	+ 3	+ 3	+ 7	+35	− 7	+23		2	−0.01
71308	14 34 56.60	−37 12 15.5	7.16	H	218.735 836 79	−37.204 313 17		3.30	−3.61	4.94	0.84	0.60	1.10	0.95	1.06	− 8	−24	−31	− 5	− 5	− 8	−20	−16	+37	−27		0	0.28
71309	14 34 57.10	−66 00 50.2	7.95	H	218.737 895 88	−66.013 957 81		2.74	−48.55	−95.13	0.50	0.67	0.93	0.55	0.86	+24	−14	− 8	− 3	+10	− 7	+12	+ 3	+ 1	+23		1	1.40
71310	14 34 57.93	+10 08 36.4	9.19	H	218.741 371 49	+10.143 434 48		2.62	6.18	−5.29	1.12	0.86	1.32	1.23	0.92	−18	−22	−18	−26	− 6	+11	− 4	−31	+ 2	−28		0	0.68
71311	14 34 58.31	+33 44 46.1	9.54	H	218.742 961 12	+33.746 135 69		49.11	−711.52	243.09	0.80	0.91	1.27	1.03	0.94	+ 4	−11	+ 4	− 3	+ 1	+ 6	+ 4	+ 8	−19	−11		0	1.24
71312	14 34 58.67	−53 12 03.6	8.48	H	218.744 459 36	−53.201 004 01		6.50	13.55	7.84	0.67	0.59	0.98	0.71	0.87	− 4	−31	−12	+ 1	+13	−18	+ 5	−24	+22	−16		1	0.16
71313	14 34 59.78	−66 01 49.6	10.31	2 H	218.749 088 47	−66.030 450 62		0.41	−1.88	−3.29	0.93	1.29	1.84	1.07	1.67	+35	−18	−10	+ 3	+ 9	−11	+10	+ 3	−10	+31		0	2.56
71314	14 34 59.99	−69 27 11.4	7.36	H	218.749 956 70	−69.453 176 38		3.89	−9.72	−6.07	0.45	0.58	0.75	0.52	0.69	+15	−19	+13	+14	+ 7	−11	+ 6	+28	− 7	+37		0	−0.52
71315	14 35 00.40	+59 41 28.0	9.87	G	218.751 675 11	+59.691 107 65		1.46	−23.74	−9.08	0.80	0.85	0.93	0.90	0.90	+17	−11	− 7	−10	+ 1	− 1	+ 2	+ 0	− 9	+12		0	−1.24
71316	14 35 00.93	+13 05 45.1	7.21	H	218.753 881 53	+13.095 855 75		10.85	−31.37	−15.40	0.73	0.63	0.88	0.81	0.74	−21	−26	−14	−24	− 7	+24	− 4	−14	− 2	−31		0	0.78
71317	14 35 01.31	+04 16 09.1	8.94	H	218.755 467 45	+04.269 203 90		2.31	13.03	−7.33	1.29	1.28	1.63	1.50	1.39	−55	+21	−45	−41	+27	−17	+28	−54	+34	−56		0	−1.23
71318	14 35 01.66	+05 00 44.1	10.10	G	218.756 913 49	+05.012 244 13		3.42	−41.97	−11.95	1.67	1.45	2.07	1.69	1.52	−52	+36	−49	−54	+22	−18	+24	−53	+34	−57		0	−0.55
71319	14 35 03.71	+09 06 50.1	9.10	2 H	218.765 479 09	+09.113 928 90		6.38	70.91	−86.58	1.03	0.84	1.34	1.03	0.98	−22	−42	−19	+ 6	−23	+11	−29	− 6	+21	−37		0	−0.50
71320	14 35 04.92	−73 31 56.6	10.21	H	218.770 507 80	−73.532 395 59		−2.75	−7.64	−13.08	1.18	1.15	1.56	1.43	1.28	+25	− 6	+ 4	− 3	+ 5	−26	+ 2	+28	+ 7	+32		0	4.04
71321	14 35 05.37	−43 33 16.1	7.84	H	218.772 369 13	−43.554 476 49		8.53	−23.38	−20.51	0.88	0.65	1.05	0.84	1.08	−29	−29	− 5	−29	+34	− 7	+30	−57	+ 0	−48		0	−1.32
71322	14 35 06.00	+23 30 56.9	8.41	H	218.775 016 43	+23.515 794 11		14.76	−69.25	−66.50	0.87	0.77	1.11	0.97	0.81	−13	−20	−25	+14	−11	− 9	− 9	+29	− 7	−31		6	−0.68
71323	14 35 07.07	−09 18 29.5	8.64	H	218.779 441 02	−09.308 185 96		−1.54	−21.81	2.60	1.04	0.83	1.18	1.36	1.08	− 7	−31	−29	+27	− 9	+15	− 6	+33	+ 2	−11		0	1.00
71324	14 35 07.68	+18 49 57.9	9.61	H	218.781 993 62	+18.832 755 98		3.53	3.99	−13.36	0.99	0.99	1.42	1.18	1.11	−37	−13	− 8	+16	+ 6	−18	+ 4	+15	− 8	−55		0	0.34
71325	14 35 08.59	+50 59 15.5	9.15	H	218.785 785 39	+50.987 634 29		−0.09	−1.92	6.92	0.76	0.81	1.01	0.94	0.90	+ 7	− 5	−24	+15	−19	+ 8	−25	−12	+ 8	−28		0	−0.81
71326	14 35 08.81	−56 33 45.5	7.05	1 G	218.786 720 04	−56.562 625 21		2.26	−5.58	−8.06	0.65	0.53	0.84	0.75	0.75	− 1	−36	− 5	+21	+21	−13	+19	−13	+ 8	− 4		0	−0.40
71327	14 35 10.72	−46 27 43.0	6.89	G	218.794 656 29	−46.461 947 47		3.58	−12.82	−7.89	0.58	0.40	0.82	0.81	0.66	−17	−21	+13	+36	+ 4	−17	+20	−19	+13	+13		0	−0.19
71328	14 35 11.46	−50 43 24.6	10.02	H	218.797 768 19	−50.723 496 54		2.18	−21.84	−14.83	1.92	1.44	2.71	2.29	2.53	−24	−25	+ 7	− 5	+15	−12	+19	−29	+ 1	−22		0	
71329	14 35 13.46	+41 20 18.1	8.80	H	218.806 094 78	+41.338 352 42		3.61	−26.43	−13.29	0.67	0.80	0.98	0.80	0.89	+24	+ 7	− 7	+12	+13	− 6	+13	+27	− 2	+25		1	−0.41
71330	14 35 13.65	+10 26 00.5	9.04	H	218.806 856 99	+10.433 464 69		6.97	0.13	13.98	1.05	0.86	1.21	1.11	0.95	−23	−11	− 2	−30	− 8	+17	− 7	−11	− 6	−31		0	−0.14
71331	14 35 15.64	−09 05 43.8	7.74	H	218.815 153 29	−09.095 501 84		4.16	−44.41	−18.36	0.97	0.77	1.06	1.09	0.91	+10	−30	−37	+30	+ 2	+12	+12	+34	−16	− 7		0	0.03
71332	14 35 15.78	+19 12 54.5	8.48	G	218.815 767 48	+19.215 150 91		0.21	0.26	−1.75	0.79	0.72	1.05	0.86	0.75	−29	− 5	−15	+50	− 4	−14	−11	+30	−12	−44		0	0.71
71333	14 35 17.08	−60 00 56.1	6.39	G	218.821 148 88	−60.015 578 65		5.35	−27.15	−26.76	0.52	0.44	0.70	0.57	0.52	+16	−28	+ 2	+27	+11	− 7	+ 7	+25	+14	+26		1	−2.26
71334	14 35 17.26	−56 46 15.8	9.37	H	218.821 919 92	−56.771 043 31		2.59	−7.21	−6.37	1.25	0.83	1.42	1.42	1.23	− 8	−41	+ 1	+28	+24	− 5	+28	−21	+ 6	+ 6		3	−1.09
71335	14 35 18.25	−38 30 19.4	8.33	H	218.826 022 47	−38.505 384 93		5.08	−5.57	−4.67	0.88	0.80	1.18	0.87	1.04	−24	−25	−28	+ 1	+19	−21	+ 8	−28	+27	−40		0	−1.22
71336	14 35 18.77	+43 01 54.9	9.14	H	218.828 218 85	+43.031 908 11		10.07	−138.69	62.76	0.73	0.78	1.03	0.88	0.78	+14	+14	−13	+ 4	+14	−14	+ 9	+13	− 9	+12		1	2.06
71337	14 35 19.66	−64 53 03.3	8.88	H	218.831 922 63	−64.884 253 30	A	1.65	−5.64	−5.56	1.63	1.96	2.54	1.87	2.34	+39	−15	− 2	+35	+31	−15	+41	+14	−27	+71		3	2.01
71338	14 35 21.03	+11 18 06.2	8.88	H	218.837 627 41	+11.301 718 88		0.92	−13.28	26.24	1.31	0.95	1.43	1.46	1.08	−10	−24	−22	−41	−21	+33	−11	−11	− 9	−28		0	0.01
71339	14 35 21.19	+21 09 08.6	11.00	H	218.838 309 51	+21.152 383 86		1.68	−33.76	19.85	1.57	1.37	2.00	1.81	1.48	−24	−11	−13	+25	+12	− 5	+10	+ 1	−17	−33		0	1.39
71340	14 35 21.22	−11 44 48.5	9.55	H	218.838 434 17	−11.746 813 69		18.98	−273.53	−9.50	1.46	0.97	1.61	1.65	1.23	−12	−41	−14	+24	− 8	− 5	+17	+ 3	+23	−18		0	−2.05
71341	14 35 21.89	−68 41 04.4	8.56	H	218.841 211 50	−68.684 556 45		8.18	−19.15	−38.08	0.63	0.75	1.07	0.72	0.88	+21	−14	+ 9	+ 0	+ 2	−11	+ 4	+ 5	−12	+39		0	0.95
71342	14 35 22.08	−45 18 24.1	9.04	H	218.841 989 80	−45.306 683 29		3.21	−25.00	7.49	1.15	0.62	1.33	1.15	1.11	+ 6	−36	− 4	−19	− 4	−18	−14	−39	+17	− 1		0	1.16
71343	14 35 23.68	−67 25 49.9	8.00	H	218.848 671 79	−67.430 514 99		12.40	−142.55	−102.75	0.53	0.65	0.97	0.64	0.72	+29	−10	− 7	− 5	+15	−19	+11	+ 8	− 7	+46		0	−0.82
71344	14 35 25.47	−08 21 32.2	8.81	H	218.856 135 48	−08.358 931 14		3.08	−39.11	−21.25	1.42	0.93	1.18	1.79	1.10	+19	− 6	−19	+66	+25	+21	+35	+40	−15	+27		0	0.63
71345	14 35 26.38	−73 02 51.2	9.23	H	218.859 913 29	−73.047 568 40		9.58	−51.64	77.89	0.83	0.84	1.12	0.96	1.04	+17	−25	− 8	+ 7	+ 3	− 3	− 4	+23	+14	+30		0	−0.22
71346 H	14 35 26.80	−45 59 25.1	8.15	H	218.861 668 02	−45.990 304 97	A	8.28	−85.78	−12.53	1.55	1.09	1.87	1.55	1.65	+ 8	− 9	+16	− 2	+12	−35	+10	−33	+ 8	−20		10	−0.29
71347	14 35 27.19	−05 49 58.4	7.73	G	218.863 277 32	−05.832 886 34		14.22	−3.39	−21.37	0.92	0.61	0.97	0.99	0.78	−25	−20	−21	+38	−11	+ 6	−15	−10	+11	−35		0	−0.12
*71348	14 35 30.80	−89 46 18.1	6.82	2 H	218.878 315 88	−89.771 696 00		2.08	−8.85	−8.78	0.48	0.50	0.57	0.54	0.57	+ 1	−12	+25	+11	+ 2	− 6	+ 5	+ 2	− 2	+18		1	0.71
*71349	14 35 28.76	−39 12 12.1	8.84	H	218.869 845 13	−39.203 352 04		4.90	−4.10	−16.06	0.89	0.66	1.19	1.06	1.03	−13	−14	−30	+11	+ 4	+14	+ 9	−37	+38	− 1		0	1.77
*71350	14 35 29.49	−73 41 39.4	6.96	H	218.872 888 24	−73.694 267 42		0.91	−19.63	−17.30	0.52	0.52	0.75	0.63	0.62	+ 7	−17	+ 4	−14	− 1	−37	− 2	+10	− 2	+16		0	−0.54
*71351	14 35 30.34	−32 26 20.8	9.09	H	218.876 431 85	−32.439 112 17		11.07	42.97	−25.79	1.06	0.78	1.26	1.38	0.96	− 9	−20	−32	+ 4	−13	+15	− 9	− 6	+ 3	− 8		0	1.66
*71352	14 35 30.45	−42 09 27.9	2.33	2 H	218.876 881 63	−42.157 745 62		10.57	−35.31	−32.44	0.65	0.44	0.83	0.75	0.70	− 8	−28	−20	+ 9	+15	+ 6	+ 9	−37	+25	−17		0	−1.69
71353	14 35 31.50	−41 31 02.6	5.88	H	218.881 241 23	−41.517 380 17		9.10	−21.56	−23.19	0.61	0.45	0.78	0.79	0.73	−11	−14	−11	−12	+ 3	− 8	+ 2	−38	+16	− 5		0	3.19
71354	14 35 32.06	+34 41 11.6	8.67	G	218.883 592 98	+34.686 553 14		2.33	6.70	−1.75	0.57	0.73	1.12	0.59	0.71	+29	+14	+ 9	−19	− 3	−16	− 3	− 1	−20	+20		0	−0.41
71355	14 35 32.92	−63 25 39.5	8.79	H	218.887 159 73	−63.427 641 24		2.71	−4.97	−1.47	0.63	0.87	1.26	0.79	1.06	+28	−19	−17	+42	+28	−20	+33	+27	−21	+54		2	0.44
71356	14 35 33.94	−58 21 05.1	9.21	H	218.891 412 09	−58.351 413 99		−1.99	−3.34	−3.20	0.84	0.78	1.26	1.14	0.93	+22	−31	−19	+17	− 7	−18	− 8	+33	−14	+51		0	0.29
71357	14 35 34.17	−28 01 28.1	8.53	H	218.892 371 32	−28.024 467 39		1.12	−0.11	0.38	0.99	0.89	1.26	1.24	1.01	−38	+11	−36	+10	+ 4	+ 5	+18	−37	+31	− 9		0	0.90
71358	14 35 34.53	−35 50 15.2	9.29	H	218.893 862 52	−35.837 556 19		10.59	101.37	−32.59	1.17	0.89	1.49	1.21	1.14	−16	+10	−40	−29	+ 3	−17	− 4	−31	+29	−13		0	−0.21
71359	14 35 35.11	−68 44 20.8	7.75	1 H	218.896 281 99	−68.739 119 20		5.44	−14.75	−6.78	0.49	0.61	0.85	0.59	0.69	+24	−15	+13	+12	+12	−11	+13	+13	− 8	+48		0	−1.62
71360	14 35 36.06	+03 28 03.5	7.65	H	218.900 240 52	+03.467 639 41		13.63	−71.53	−22.73	1.02	0.97	1.74	1.23	1.04	+ 6	−32	−69	−11	+18	−26	−16	−45	+51	−39		0	−0.01
71361	14 35 36.59	+75 52 28.6	10.20	H	218.902 459 63	+75.874 605 23		3.36	7.45	5.95	0.84	0.97	1.01	1.02	1.06	− 9	+ 9	−23	− 6	− 4	−14	− 7	+14	−11	− 8		0	−0.50
71362 H	14 35 37.74	−36 33 06.3	7.93	G	218.907 255 40	−36.551 763 72	A	11.61	−6.36	−24.12	2.86	2.25	2.65	2.33	2.86	−18	−10	−15	−19	+ 5	− 3	− 2	−28	+18	−35		2	0.31
71363	14 35 39.71	+00 00 07.0	11.70	H	218.915 472 88	+00.001 935 89		14.01	−91.91	−147.03	3.92	2.79	3.99	5.32	3.63	−27	−22	+13	+33	−23	−13	−19	+27	− 6	−19		3	−0.71
71364	14 35 40.04	−66 42 19.5	9.31	H	218.916 818 13	−66.705 413 32		2.11	−20.01	−21.39	0.72	0.97	1.30	0.86	1.26	+31	−14	− 7	+15	+21	−16	+21	+24	−10	+39		0	0.87
71365	14 35 41.74	−52 28 24.4	7.80	H	218.923 908 69	−52.473 452 14		2.79	−12.59	−6.88	0.61	0.55	0.99	0.72	0.91	−11	−25	−13	+ 7	+14	−34	+ 3	−28	+30	−28		0	−0.47
71366	14 35 43.51	+20 26 00.7	9.48	H	218.931 278 28	+20.433 518 26		10.15	−56.94	−3.54	0.88	0.93	1.22	0.90	1.01	−34	−16	− 6	+32	−15	+ 1	−10	+35	−22	−46		3	−1.91
71367	14 35 43.72	−05 15 58.0	7.50	H	218.932 169 55	−05.266 104 24		5.83	−41.42	16.35	0.96	0.69	1.19	1.23	0.99	−28	− 9	−40	+27	− 5	+ 4	− 8	−51	+45	−29		0	−1.21
71368	14 35 44.93	−42 50 04.3	8.09	H	218.937 201 14	−42.834 523 35		12.82	−50.26	−5.59	0.81	0.81	1.13	0.84	0.88	− 7	−32	−32	− 5	+33	− 2	+ 9	−46	+24	−33		3	0.89
71369 H	14 35 44.96	−45 37 06.4	7.95	G	218.937 315 49	−45.618 451 02	A	13.84	−51.60	−5.56	2.52	2.39	1.66	1.39	1.34	+33	−29	+ 5	−23	− 7	−20	−15	−20	+17	+ 8		3	2.37
71370	14 35 45.50	−83 07 15.2	8.64	H	218.939 601 65	−83.120 877 06		2.28	−8.18	−8.51	0.60	0.60	0.72	0.72	0.66	+ 7	− 9	+ 5	+ 4	+ 5	+ 2	+ 3	+ 9	+11	+15		1	1.44
71371	14 35 45.65	+45 31 10.7	8.54	G	218.940 198 83	+45.519 638 99		5.14	−23.81	35.48	0.62	0.65	0.83	0.75	0.68	+ 7	+ 2	−10	+ 4	− 5	+ 3	− 2	+20	− 7	− 7		1	−0.91
71372	14 35 46.25	+17 31 58.6	9.62	H	218.942 700 83	+17.532 955 24		2.28	−0.38	−23.42	0.93	1.00	1.38	1.03	1.11	−43	+24	−18	+ 8	+18	+ 4	+17	+14	−11	−63		3	0.03
71373	14 35 46.46	+01 03 06.8	10.17	G	218.943 574 67	+01.051 881 78		7.30	−34.97	−3.72	1.62	0.98	1.72	2.01	1.28	− 9	−25	−14	+ 5	−23	+13	−24	+ 3	+12	−14		0	0.47
71374	14 35 46.70	+02 14 37.6	8.42	2 H	218.944 567 49	+02.243 778 59		−1.39	0.14	−2.52	1.09	0.86	1.21	1.28	1.15	−30	−25	−10	+29	−17	− 5	−22	+10	+16	−37		0	−0.90
71375	14 35 46.83	−11 24 12.2	10.02	G	218.945 113 03	−11.403 382 94		1.37	−9.00	−9.51	1.60	1.11	1.77	1.93	1.32	+ 1	−29	−28	+15	− 8	+13	− 9	− 1	+20	+ 1		0	−1.04
71376	14 35 47.47	+79 08 28.1	8.52	2 H	218.947 804 33	+79.141 135 10		1.16	−1.33	−6.57	0.70	0.58	0.69	0.70	0.68	− 4	− 7	−15	−24	− 1	− 7	+ 0	+ 8	+ 2	−14		1	2.39
71377 H	14 35 47.53	+00 14 34.5	8.61	G	218.948 049 03	+00.242 929 20	*	9.24	−7.06	−16.35	3.15	1.83	1.70	2.04	1.43	+21	−35	− 6	+17	− 9	−30	−17	+ 6	+31	−38		0	0.06
71378	14 35 47.66	−56 37 06.4	8.28	H	218.948 578 78	−56.618 436 97		1.43	−6.38	−7.54	0.79	0.65	0.97	1.04	0.88	+ 7	−28	+ 6	+36	+28	− 8	+28	− 2	+ 4	+14		0	−0.33
71379	14 35 48.33	−08 34 30.9	7.18	G	218.951 367 60	−08.575 255 71		8.27	−7.23	−11.57	0.86	0.73	0.93	1.02	0.84	+ 1	−19	−37	+45	+ 2	+17	+14	+41	−24	− 5		0	−0.62
71380	14 35 48.43	−18 02 11.4	9.10	3 H	218.951 795 74	−18.036 492 41	*	2.70	−20.54	−18.86	1.43	1.21	2.08	1.76	1.42	−17	+ 7	−61	+25	−11	+20	+ 4	−19	+31	−17		6	0.50
71381	14 35 49.66	+46 44 46.9	8.67	H	218.956 907 52	+46.746 348 08		5.35	−9.33	15.14	0.63	0.66	0.81	0.77	0.73	+10	− 2	−13	−12	−19	+ 7	− 9	+24	−13	−13		0	0.20
71382	14 35 50.00	−46 48 56.7	6.78	H	218.958 323 82	−46.815 746 03		3.30	−29.21	−12.08	0.53	0.41	0.82	0.65	0.67	−21	−25	+ 6	+20	+ 9	−31	+16	−28	+15	−12		0	1.39
71383	14 35 50.43	−29 30 53.5	8.82	G	218.960 117 13	−29.514 847 38		8.25	−97.46	7.88	1.28	0.91	1.56	2.05	1.29	−25	+22	− 9	−18	− 8	−40	− 4	−28	+23	−23		0	0.92
71384	14 35 50.74	−34 48 59.7	9.50	H	218.961 418 02	−34.816 579 15		6.11	9.84	−2.05	1.33	0.97	1.77	1.49	1.21	−20	−25	−23	+14	− 7	+ 9	−10	−20	+34	−11		0	−0.94
71385 H	14 35 51.61	−47 04 25.9	8.98	H	218.965 036 47	−47.073 853 37	A	5.80	−34.53	−21.41	1.39	1.10	2.02	1.54	1.46	−24	−21	+15	+16	+ 7	−46	+18	−28	+13	− 7		2	−0.42
71386	14 35 51.72	−43 22 02.6	8.20	2 H	218.965 484 23	−43.367 400 15		2.07	−4.27	2.55	1.39	0.89	1.56	1.14	1.55	−44	−51	+16	−44	+46	+ 9	+47	−74	−15	−54		0	−0.29
71387	14 35 52.50	+24 56 20.7	7.97	G	218.968 735 99	+24.939 069 87		11.67	94.48	−76.94	0.79	0.68	0.96	0.86	0.73	−22	+ 2	−29	+18	− 1	− 3	− 2	+20	−21	−35		0	2.66
71388	14 35 53.41	−69 01 14.2	7.83	H	218.972 522 51	−69.020 601 63		1.53	−5.15	−4.28	0.46	0.61	0.81	0.52	0.67	+23	− 6	+22	+ 7	+ 7	− 4	+ 7	+16	− 3	+39		0	−0.73
71389	14 35 53.47	+30 06 41.1	12.44	G	218.972 781 73	+30.111 420 49		6.38	−19.52	−15.49	2.29	2.10	3.75	2.88	2.69	+15	−22	−18	−20	− 7	+19	+ 1	− 3	+ 8	−33		7	0.46
71390	14 35 54.99	−69 58 13.9	7.20	2 H	218.979 138 53	−69.970 531 42		2.20	11.07	−9.85	0.51	0.60	0.81	0.62	0.78	+15	−18	+ 6	−11	− 8	− 2	−15	+17	+ 5	+35		0	0.27
71391	14 35 55.31	−31 43 01.2	9.45	H	218.980 475 79	−31.717 012 87		12.10	−20.00	−34.42	1.13	0.80	1.30	1.48	1.00	−14	−11	−28	+22	−13	+23	− 5	− 1	+ 4	− 8		0	1.43
71392	14 35 55.71	+50 53 25.6	9.09	G	218.982 128 55	+50.890 432 50		3.16	9.08	−24.61	0.75	0.85	1.03	0.93	0.93	+ 6	− 7	−31	+12	−17	+ 3	−23	−13	+12	−30		1	−0.36
71393	14 35 56.50	+74 17 00.1	8.74	H	218.985 432 49	+74.283 353 31		9.79	31.57	1.15	0.65	0.73	0.74	0.71	0.78	+ 2	−15	−19	− 2	−12	+ 9	− 8	+35	+ 0	− 9		2	0.28
71394	14 35 59.08	+00 13 11.0	7.71	G	218.996 175 26	+00.219 724 04		5.33	−37.78	7.72	1.04	0.71	1.07	1.37	0.92	−16	−30	− 3	+20	−27	−11	−28	+30	+ 9	−14		0	−0.87
71395	14 36 00.44	+09 44 49.7	7.48	H	219.001 829 78	+09.747 125 21		60.35	205.46	−249.68	0.79	0.63	0.99	0.89	0.70	−10	−28	−22	−14	−17	+28	−11	− 8	+ 2	−20		0	−0.72
71396	14 36 00.73	+53 12 55.9	9.00	H	219.003 056 90	+53.215 535 36		0.23	−4.35	−7.20	0.73	0.81	0.92	0.77	0.90	+25	−21	−19	−14	−22	− 2	−27	−24	+16	+ 7		0	−2.71
71397	14 36 01.24	−56 31 04.3	8.82	H	219.005 181 26	−56.517 849 75		−0.11	−4.66	−6.58	0.84	0.69	1.11	1.08	1.

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
71301	10.711	0.045	10.095	0.041		0.574	0.053	T	0.65	0.05	L	10.1835	0.0023	0.022	99		10.14	10.22					1							
71302	10.641	0.047	9.815	0.035		0.728	0.045	T	0.78	0.03	L	9.9109	0.0038	0.024	77		9.87	9.94					1							
71303	11.326	0.065	9.830	0.028		1.259	0.056	T	1.22	0.06	L	9.8627	0.0029	0.029	140		9.81	9.91		C			1							
71304	10.582	0.042	9.048	0.020		1.289	0.037	T	1.25	0.04	L	9.0633	0.0030	0.018	74		9.03	9.09		C			1							
71305	8.549	0.012	7.930	0.011		0.563	0.015	G	0.64	0.01	H	8.0054	0.0015	0.010	77		7.99	8.02					1							S
71306	10.584	0.041	9.341	0.024		1.061	0.037	T	1.03	0.03	L	9.3892	0.0029	0.018	65		9.36	9.42		C			1							
71307	9.063	0.015	8.914	0.018	A	0.200	0.495	G	0.16	0.03	L *	8.9488	0.0027	0.021	102	*	8.91	9.01		U	14349−6150	I 1	2 C	C	AB	221	2.181	0.071	3.23	0.44	
71308	8.719	0.015	7.291	0.009		1.205	0.014	T	1.16	0.01	L	7.3220	0.0012	0.009	79		7.31	7.34		C			1							S
71309	9.541	0.013	8.112	0.007		1.206	0.012	T	1.17	0.01	L	8.1145	0.0014	0.019	241		8.08	8.15					1							
71310	10.421	0.036	9.263	0.023		0.994	0.033	T	0.97	0.03	L	9.3516	0.0022	0.017	82		9.32	9.37		C			1							
71311	11.153	0.044	9.677	0.020		1.283	0.015	G	1.47	0.03	I	9.6550	0.0027	0.029	149		9.61	9.72					1							
71312	10.106	0.022	8.629	0.012		1.244	0.020	T	1.20	0.02	L	8.6421	0.0012	0.016	149		8.62	8.67					1							
71313	10.813	0.036	10.363	0.040		0.424	0.049	T	0.49	0.05	L	10.4110	0.0042	0.093	225		10.34	10.83	5.95	P 1 A			1	S						G P
71314	7.368	0.005	7.364	0.006		0.008	0.007	T	0.03	0.01	L	7.3692	0.0011	0.012	165		7.35	7.39					1							S
71315	10.446	0.031	9.842	0.030		0.530	0.015	G	0.60	0.02	H	9.9618	0.0021	0.022	119		9.92	9.99		C			1							
71316	7.430	0.006	7.229	0.006		0.192	0.008	T	0.21	0.01	L	7.2689	0.0012	0.008	78		7.25	7.28		C			1							S
71317	10.180	0.030	9.041	0.020		0.979	0.028	T	0.96	0.02	L	9.0999	0.0030	0.022	79		9.07	9.14					1							
71318	10.781	0.052	10.084	0.042		0.600	0.020	G	0.67	0.02	H	10.2178	0.0026	0.020	98		10.19	10.26		C			1							
71319	9.726	0.023	9.144	0.021		0.544	0.028	T	0.62	0.03	L	9.2218	0.0192	0.108	81		9.09	9.35	0.36	P 1 A			1							
71320	10.101	0.024	10.257	0.041		−0.136	0.042	T	−0.13	0.06	L	10.1637	0.0034	0.039	132		10.06	10.24		D	14351−7332	I 1	1	S						G
71321	8.140	0.008	7.869	0.010		0.260	0.015	G	0.29	0.02	H	7.9133	0.0011	0.011	112		7.90	7.94		C			1							S
71322	9.181	0.015	8.473	0.013		0.652	0.016	T	0.72	0.01	L	8.5423	0.0026	0.018	93		8.50	8.58					1							S
71323	10.664	0.058	8.792	0.021		1.556	0.049	T	1.57	0.05	L	8.7683	0.0031	0.015	57		8.74	8.80					1							
71324	10.787	0.045	9.742	0.031		0.908	0.041	T	0.91	0.03	L	9.7639	0.0016	0.020	100		9.74	9.80					1							
71325	11.080	0.051	9.315	0.020		1.471	0.043	T	1.48	0.06	L	9.2825	0.0023	0.020	111		9.25	9.32					1							
71326	9.441	0.018	7.275	0.007		1.862	0.014	G	1.99	0.02	A	7.1319	0.0020	0.018	131		7.10	7.15		U			1							S
71327	6.867	0.004	6.888	0.005		−0.010	0.012	G	0.01	0.00	A	6.8928	0.0006	0.008	184		6.88	6.91		C			1							S
71328	11.430	0.088	10.162	0.044		1.080	0.077	T	1.04	0.06	L	10.1876	0.0031	0.034	154		10.13	10.24					1	X S						G
71329	10.145	0.021	8.877	0.013		1.080	0.019	T	1.04	0.02	L	8.9627	0.0025	0.023	139		8.93	9.00					1							
71330	9.619	0.021	9.084	0.019		0.502	0.025	T	0.57	0.03	L	9.1494	0.0023	0.017	92		9.12	9.17		C			1							S
71331	9.801	0.036	7.940	0.016		1.547	0.031	T	1.61	0.07	L	7.8601	0.0011	0.010	57		7.84	7.88					1							S
71332	8.777	0.013	8.550	0.014		0.243	0.006	G	0.27	0.01	H	8.5293	0.0013	0.016	96		8.51	8.56					1							S
71333	8.020	0.007	6.525	0.004		1.256	0.001	G	1.21	0.00	H	6.5532	0.0009	0.009	127		6.54	6.57					1							S
71334	9.544	0.018	9.391	0.022		0.189	0.038	G	0.21	0.04	H	9.4327	0.0027	0.021	119		9.41	9.46		C			1							G
71335	10.182	0.027	8.466	0.012		1.432	0.023	T	1.42	0.04	L	8.4697	0.0015	0.017	96		8.44	8.50		D			1							
71336	9.883	0.024	9.238	0.021		0.599	0.028	T	0.67	0.03	L	9.2722	0.0018	0.022	132		9.23	9.32					1	S						
71337	9.879	0.019	8.959	0.014	A	0.815	0.018	T	0.84	0.01	L	9.0316	0.0111	0.024	178	A	8.99	9.07			14353−6453	I 1	2 C	B	AB	266	12.503	0.041	3.01	0.18	
71338	10.146	0.037	8.924	0.022		1.044	0.034	T	1.01	0.03	L	9.0438	0.0030	0.019	67		9.01	9.08					1							
71339	11.668	0.109	11.107	0.104		0.574	0.072	G	0.65	0.07	R	11.1216	0.0041	0.034	99		11.05	11.19					1							G
71340	10.666	0.060	9.658	0.042		0.880	0.055	T	0.92	0.06	L	9.6892	0.0027	0.021	56		9.66	9.72		C			1							
71341	9.076	0.011	8.616	0.011		0.436	0.012	G	0.50	0.01	H	8.6627	0.0020	0.023	161		8.62	8.70					1							
71342	10.288	0.029	9.129	0.018		0.995	0.027	T	0.97	0.02	L	9.2017	0.0019	0.017	125		9.17	9.23		C			1							
71343	8.576	0.009	8.041	0.008		0.509	0.009	T	0.58	0.01	L	8.1097	0.0014	0.015	173		8.09	8.14		C			1							S
71344	10.258	0.041	8.908	0.023		1.144	0.037	T	1.11	0.03	L	8.9791	0.0018	0.014	54		8.95	9.01		C			1	S						
71345	10.088	0.023	9.308	0.019		0.693	0.023	T	0.75	0.02	L	9.3652	0.0020	0.022	147		9.31	9.41					1							
71346	8.747	0.009	8.249	0.009	A	0.800	0.495	G	0.53	0.03	L *	8.2530	0.0014	0.014	161	*	8.23	8.28		D	14354−4559	I 1	2 C	A	AB	222	1.381	0.020	2.49	0.07	S
71347	8.259	0.011	7.780	0.009		0.461	0.015	G	0.53	0.02	H	7.8342	0.0009	0.012	90		7.81	7.85		D			1							S
71348	9.065	0.012	7.060	0.005		1.698	0.011	T	2.65	0.02	O	6.8062	0.0059	0.068	123		6.69	6.88		U 2			1	S						S
71349	9.527	0.019	8.909	0.017		0.572	0.019	T	0.64	0.02	L	8.9624	0.0017	0.013	98		8.94	8.99					1							
71350	9.014	0.012	7.122	0.005		1.572	0.010	T	1.56	0.02	A	7.0806	0.0010	0.010	126		7.07	7.10					1							S
71351	9.766	0.023	9.161	0.021		0.563	0.023	T	0.64	0.02	L	9.2153	0.0019	0.020	79		9.18	9.24		C			1							
71352	2.124	0.003	2.306	0.004		−0.157	0.004	T	−0.17	0.02	A	2.2729	0.0016	0.024	113		2.25	2.32	1.28	P 1 A			1							S P
71353	5.775	0.003	5.861	0.004		−0.085	0.003	G	−0.07	0.00	H	5.8581	0.0006	0.005	108		5.85	5.87		C	14355−4131	I 1	1							S
71354	10.242	0.019	8.803	0.010		1.240	0.015	G	1.20	0.01	H	8.8343	0.0015	0.020	201		8.80	8.87		C			1							
71355	10.276	0.023	8.940	0.013		1.133	0.021	T	1.10	0.02	L	8.9573	0.0017	0.023	202		8.92	9.00					1							
71356	9.285	0.014	9.192	0.018		0.091	0.021	T	0.10	0.02	L	9.2471	0.0020	0.019	127		9.21	9.28		C	14356−5821	I 1	1							
71357	10.443	0.038	8.692	0.016		1.460	0.033	T	1.47	0.05	L	8.6680	0.0019	0.015	76		8.64	8.69		C			1							
71358	10.186	0.035	9.366	0.027		0.724	0.034	T	0.78	0.02	L	9.4246	0.0023	0.017	77		9.39	9.46		C			1							
71359	7.757	0.007	7.742	0.008		0.019	0.010	T	0.04	0.01	L	7.7618	0.0040	0.029	160		7.71	7.80	3.73	P 1 A			1							S
71360	8.146	0.014	7.699	0.012		0.455	0.015	G	0.52	0.02	H	7.7489	0.0015	0.008	52		7.74	7.76					1							S
71361	10.573	0.037	10.192	0.041		0.361	0.051	T	0.42	0.06	L	10.2825	0.0026	0.027	117		10.23	10.33		C			1							
71362	8.651	0.015	8.069	0.013	*	0.526	0.015	G	0.60	0.02	H *	8.0664	0.0016	0.013	78	*	8.04	8.09		D	14356−3633	I 1	2 C	A	AB	124	0.804	0.004	0.19	0.01	S
71363											T	11.8375	0.0089	0.074	57		11.71	11.95					1							G
71364	9.732	0.015	9.347	0.016		0.364	0.020	T	0.43	0.02	L	9.3910	0.0018	0.026	197		9.35	9.44					1							
71365	9.931	0.021	7.974	0.009		1.623	0.018	T	1.64	0.02	L	7.9082	0.0014	0.014	161		7.89	7.93		C			1							
71366	10.309	0.030	9.575	0.026		0.673	0.032	T	0.73	0.03	L	9.6186	0.0016	0.020	105		9.57	9.65		C			1							
71367	9.088	0.013	7.628	0.007		1.230	0.012	T	1.19	0.01	L	7.6616	0.0009	0.008	87		7.65	7.68		C			1							S
71368	8.659	0.010	8.131	0.009		0.504	0.010	T	0.58	0.01	L	8.1969	0.0015	0.014	132		8.17	8.22		C			1 G							S
71369	8.679	0.010	8.037	0.009	*	0.576	0.015	G	0.65	0.01	H *	8.0705	0.0010	0.011	140	*	8.05	8.09		D	14357−4537	H 1	2 C	A	AB	26	0.325	0.008	1.60	0.08	S
71370	8.730	0.009	8.645	0.011		0.077	0.013	T	0.09	0.01	L	8.6756	0.0014	0.017	152		8.65	8.70					1							
71371	8.997	0.011	8.579	0.011		0.446	0.003	G	0.52	0.00	H	8.6319	0.0018	0.016	134		8.61	8.68					1							S
71372	11.162	0.054	9.778	0.026		1.171	0.047	T	1.13	0.04	L	9.7902	0.0021	0.022	130		9.75	9.83		C			1							
71373	10.806	0.060	10.137	0.051		0.590	0.020	G	0.66	0.02	H	10.2715	0.0038	0.023	68		10.22	10.31		C			1							
71374	10.424	0.044	8.686	0.019		1.450	0.038	T	1.45	0.06	L	8.5546	0.0038	0.023	57		8.47	8.61		U 2			1							
71375	11.190	0.089	10.046	0.051		0.985	0.010	G	0.97	0.01	H	10.2026	0.0030	0.020	58		10.16	10.23		D			1							
71376	10.129	0.022	8.676	0.012		1.225	0.020	T	1.18	0.02	L	8.6849	0.0043	0.043	123		8.63	8.77		U 2			1							
71377	9.303	0.019	8.669	0.017	*	0.580	0.015	G	0.65	0.01	H *	8.7511	0.0030	0.017	68	*	8.72	8.78		D	14359+0014	I 2	2 C	A	CB	319	0.235	0.012	0.13	0.13	S
71378	8.432	0.011	8.304	0.013		0.124	0.016	T	0.14	0.02	L	8.3287	0.0019	0.017	127		8.30	8.36					1	S						
71379	7.266	0.009	7.201	0.008		0.064	0.002	G	0.07	0.00	H	7.2129	0.0011	0.007	53		7.19	7.23		C			1							S
71380	10.514	0.057	9.332	0.036		1.013	0.053	T	0.99	0.04	L	9.2648	0.0196	0.269	56		9.21	9.91		P 1 A			1 V							
71381	8.890	0.011	8.704	0.013		0.178	0.016	T	0.20	0.02	L	8.7316	0.0016	0.013	120		8.71	8.76		C			1							S
71382	7.979	0.006	6.880	0.005		0.933	0.038	G	0.95	0.02	A	6.9393	0.0007	0.009	192		6.93	6.95					1							S
71383	9.502	0.025	8.918	0.023		0.555	0.020	G	0.63	0.02	H	8.9579	0.0025	0.019	63		8.92	8.99		C			1							
71384	10.376	0.037	9.568	0.030		0.714	0.036	T	0.77	0.03	L	9.6394	0.0022	0.023	79		9.61	9.69		C	14358−3449	I 1	1							
71385	9.686	0.016	9.113	0.015	*	0.539	0.016	T	0.61	0.02	L *	9.1002	0.0022	0.021	168	*	9.06	9.14		D	14359−4704	I 1	2 C	A	AB	50	0.935	0.007	1.76	0.03	
71386	13.928	0.879	8.715	0.015		3.130	0.510	G	2.58	0.33	P	8.2007	0.0210	0.138	130		8.06	8.42		U 2			1							
71387	8.441	0.013	7.996	0.017		0.475	0.015	G	0.55	0.02	H	8.0573	0.0015	0.015	87		8.03	8.09		C			1							S
71388	7.849	0.007	7.828	0.008		0.024	0.010	T	0.04	0.01	L	7.8460	0.0014	0.016	173		7.82	7.87					1							S
71389						0.010	0.040	G	0.03	0.04	R	12.4156	0.0084	0.087	113		12.23	12.57					1							D
71390	9.543	0.015	7.420	0.006		1.795	0.013	T	2.62	0.02	O	7.1900	0.0050	0.040	158		7.13	7.23		U 2	14359−6958	I 1	1	S						S
71391	10.218	0.032	9.502	0.027		0.645	0.032	T	0.71	0.03	L	9.5884	0.0022	0.021	81		9.56	9.63		C			1							
71392	10.415	0.034	9.183	0.020		1.010	0.015	G	0.99	0.01	H	9.2759	0.0017	0.018	108		9.25	9.31					1							
71393	9.216	0.014	8.767	0.014		0.424	0.018	T	0.49	0.02	L	8.8364	0.0019	0.017	114		8.81	8.88					1							
71394	8.961	0.015	7.827	0.010		0.979	0.001	G	0.96	0.00	H	7.8855	0.0016	0.010	67		7.87	7.91		D	14359+0014	I 2	1							S
71395	8.723	0.016	7.590	0.011		0.973	0.004	G	1.02	0.00	I	7.6234	0.0019	0.014	67		7.60	7.64					1							S
71396	10.634	0.034	9.165	0.018		1.238	0.030	T	1.20	0.03	L	9.1552	0.0030	0.020	105		9.13	9.20					1							
71397	8.933	0.013	8.835	0.016		0.096	0.019	T	0.11	0.02	L	8.8635	0.0017	0.019	126		8.83	8.89		C			1							G
71398	9.290	0.016	9.187	0.020		0.100	0.024	T	0.11	0.03	L	9.2476	0.0019	0.020	123		9.21	9.28					1							G
71399	9.259	0.016	8.903	0.016		0.376	0.015	G	0.44	0.02	H	8.9535	0.0020	0.017	115		8.93	8.98		C			1							
71400	7.381	0.005	7.084	0.005		0.323	0.004	G	0.37	0.01	H	7.1228	0.0010	0.011	172		7.11	7.15					1 G							S

Number	Descriptor: epoch J1991.25					Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)												Soln	
HIP	RA	Dec	V			α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$			F1	F2
	h m s	±° ′ ″	mag			deg	deg		mas	mas/yr		mas			mas/yr													%	
1 2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28			29	30
71401	14 36 03.74	+47 41 24.0	9.17		H	219.015 576 48	+47.689 993 80		1.15	−3.81	−2.37	0.73	0.77	0.97	0.91	0.82	+21	− 6	−20	−13	−17	+ 8	−12	− 5	− 8	− 3			0	0.17
71402	14 36 04.37	+26 24 32.9	8.99		H	219.018 205 48	+26.409 148 54		1.47	−19.71	11.57	0.93	0.75	1.16	0.91	0.79	+ 8	−35	−26	−23	− 8	+14	+ 5	+13	−10	−22			0	1.01
71403	14 36 05.06	+61 13 45.1	9.21		H	219.021 090 16	+61.229 201 92		5.05	3.16	−15.65	0.76	0.76	0.86	0.77	0.81	+12	−27	−11	−12	+ 9	− 6	+11	+28	−12	+10			0	1.44
71404	14 36 06.22	−84 08 54.4	7.18		H	219.025 904 78	−84.148 433 01		3.11	4.63	4.22	0.48	0.47	0.57	0.46	0.50	+ 6	−22	+ 5	−13	+ 0	− 6	− 2	+ 3	+ 4	+15			0	0.40
71405	14 36 06.66	−34 54 21.7	7.57	2	H	219.027 753 78	−34.906 025 56		2.01	−8.14	13.97	0.84	0.62	1.08	0.97	0.77	−16	−18	−19	+ 5	−10	+ 9	−11	−13	+26	− 2			0	1.21
71406	14 36 06.88	+23 15 01.1	6.39		H	219.028 661 31	+23.250 293 15		8.65	−9.53	27.21	0.60	0.53	0.75	0.69	0.60	−10	−14	−15	+10	− 9	−12	−10	+ 7	− 8	−25			0	1.43
71407	14 36 07.74	−22 10 38.6	7.22		H	219.032 246 04	−22.177 384 73		13.43	−40.15	9.14	1.19	0.85	1.37	1.32	1.01	−21	−20	−11	+ 4	− 1	− 1	− 2	−23	+22	− 9			0	
71408	14 36 08.88	−67 01 04.9	8.59		H	219.037 013 83	−67.018 017 06		2.49	−3.75	−2.68	0.60	0.78	1.13	0.73	0.95	+28	− 9	−10	+ 2	+14	−13	+10	+14	− 1	+42			0	−0.41
71409	14 36 09.02	+42 22 41.4	8.86		H	219.037 592 07	+42.378 171 52		10.64	−59.22	42.93	0.66	0.80	0.95	0.82	0.89	+20	+ 6	−14	+21	+12	−10	+11	+34	− 7	+15			0	−0.09
71410	14 36 10.51	−03 46 51.7	8.52		H	219.043 791 83	−03.781 015 23		4.45	−17.37	−1.84	1.09	0.86	1.31	1.21	1.23	−39	−11	−30	+16	+18	−12	+ 5	−65	+45	−49			0	0.60
71411	14 36 11.96	+40 15 08.6	8.00		H	219.049 853 49	+40.252 388 24		1.88	16.79	−32.28	0.54	0.63	0.81	0.64	0.72	+23	− 9	−18	− 2	− 8	− 1	− 5	+12	−18	+16			0	−1.52
71412	14 36 13.74	+39 16 37.7	10.39		H	219.057 258 53	+39.277 138 19		5.05	−29.46	10.47	1.01	1.25	1.54	1.17	1.32	− 5	− 1	+ 0	− 6	− 6	+ 0	− 4	+ 6	−26	−10			4	0.86
71413	H 14 36 15.34	+19 24 21.6	9.80		G	219.063 905 02	+19.405 990 19	A	5.43	0.53	−11.05	3.66	3.51	4.01	3.70	3.12	−45	+ 5	−20	+41	−16	−15	−25	+35	−13	−66			1	0.73
71414	14 36 15.48	−25 07 16.4	10.00		G	219.064 497 60	−25.121 222 88		4.20	−51.87	16.44	1.34	0.96	1.57	1.61	1.33	−25	−25	−14	+ 5	−10	− 4	−17	−15	+15	−40			0	−0.67
71415	14 36 15.60	+23 59 02.5	7.65		H	219.065 013 03	+23.984 031 43		7.09	−79.73	47.92	0.76	0.65	1.00	0.91	0.71	− 2	−25	−28	+15	− 6	−18	−10	+10	− 5	−26			0	−0.91
71416	14 36 17.80	+63 27 55.9	8.08		H	219.074 164 80	+63.465 533 56		6.22	−15.48	16.19	0.56	0.60	0.65	0.61	0.64	+ 8	−16	−22	+ 0	− 5	− 5	− 4	+ 8	− 1	−11			0	0.37
71417	14 36 18.06	−09 36 44.9	7.52		H	219.075 235 93	−09.612 481 98		5.90	−44.09	−31.25	0.86	0.76	0.98	1.09	0.91	−22	−12	−26	+11	−14	− 7	−14	+26	−18	−16			0	−0.06
71418	14 36 18.81	+34 13 03.7	11.08		H	219.078 394 72	+34.217 697 60		9.43	−217.35	−54.30	1.23	1.38	2.02	1.49	1.43	+12	−19	− 1	−18	+ 9	+ 7	+14	+ 7	−25	+ 0			2	2.45
71419	14 36 19.06	−46 14 43.8	5.55		H	219.079 403 30	−46.245 491 30		5.12	−31.17	16.46	0.54	0.40	0.76	0.75	0.64	−18	−19	+ 8	+36	+ 7	−16	+22	−20	+10	+ 8			0	−0.43
71420	14 36 19.33	−14 01 40.4	8.76		H	219.080 547 15	−14.027 876 69		1.23	−25.49	−2.73	1.18	0.83	1.31	1.71	1.09	−13	−32	− 7	+13	−11	−19	−17	+12	+18	+ 3			5	−0.83
71421	14 36 20.12	−51 55 26.0	9.46		H	219.083 836 58	−51.923 895 23		3.44	−11.83	−9.09	0.94	0.78	1.44	1.23	1.32	−16	−15	+ 1	+12	+12	−16	+17	−24	+10	− 9			1	1.10
71422	14 36 20.23	+00 22 26.3	9.37		H	219.084 286 93	+00.373 967 44		−0.05	−20.99	8.19	1.48	1.05	1.62	2.06	1.33	−27	−12	+ 5	+24	− 6	−22	− 2	− 5	+ 6	−16			0	−0.95
71423	14 36 20.41	−53 30 55.0	9.09		G	219.085 052 81	−53.515 268 70		12.62	−113.42	−145.16	0.82	0.68	1.25	0.83	1.01	+ 6	−29	−14	− 3	+11	−24	+ 4	−20	+22	−13			1	0.70
71424	14 36 21.25	−05 05 46.4	8.55		H	219.088 543 77	−05.096 229 60		7.90	−11.70	−20.31	1.12	0.82	1.49	1.35	1.09	−16	−19	−49	+19	−12	+18	−12	−52	+47	−16			0	0.86
71425	14 36 21.41	+57 33 37.8	8.32		H	219.089 198 38	+57.560 495 52		15.92	−82.93	68.42	0.62	0.68	0.74	0.65	0.71	+13	−12	−21	−23	−18	+ 2	−17	−15	+ 1	+ 5			0	0.35
71426	14 36 21.97	+15 51 09.6	9.93		H	219.091 542 24	+15.852 679 86		5.43	0.29	−17.66	1.00	1.08	1.54	1.20	1.21	−45	−11	−18	+34	+ 6	−17	+ 3	− 3	−21	−44			0	1.18
71427	14 36 22.74	+22 59 21.8	9.19		H	219.094 735 55	+22.989 387 27		2.36	−4.18	−0.39	0.93	0.82	1.16	1.08	0.95	− 5	+ 1	− 8	+34	− 6	−10	− 9	+21	− 5	−17			0	−0.68
*71428	14 36 24.14	+27 29 06.4	7.02		H	219.100 581 01	+27.485 105 35		8.99	−36.16	−6.57	0.57	0.51	0.77	0.55	0.62	+11	− 6	−12	−26	−24	+ 6	−24	− 9	− 1	−28			0	0.80
*71429	14 36 24.14	−39 35 50.5	6.13		G	219.100 580 28	−39.597 349 13		8.15	−47.69	−23.94	0.63	0.50	0.83	0.65	0.76	−19	−34	−23	+16	+10	− 7	+ 1	−24	+30	−27			0	2.73
71430	14 36 24.67	−37 18 09.1	9.18		H	219.102 806 54	−37.302 516 61		1.82	−10.95	−2.94	1.22	0.92	1.57	1.39	1.69	−22	−22	−26	−13	+ 8	− 1	− 1	−26	+20	−45			0	−0.72
71431	14 36 25.07	+51 15 34.6	8.19		H	219.104 442 66	+51.259 601 13		10.53	−91.97	23.27	0.65	0.66	0.83	0.81	0.76	+11	−12	−29	−10	− 9	+ 1	−13	−20	+11	−30			0	0.66
71432	14 36 25.44	+44 00 57.4	8.72		H	219.106 008 56	+44.015 945 74		3.14	−15.48	2.15	0.63	0.66	0.84	0.81	0.69	− 9	+13	−21	+30	−13	+16	−13	+23	−17	−24			0	−3.37
71433	14 36 25.84	−51 52 28.8	9.21		H	219.107 670 65	−51.874 653 96		1.70	−6.63	−15.17	0.88	0.71	1.32	1.09	1.28	−17	−14	+ 4	+14	+11	− 9	+14	−23	+14	−16			0	2.24
71434	14 36 26.40	−00 55 07.2	9.39		H	219.109 991 89	−00.918 673 15		5.19	20.56	−18.34	1.41	0.88	1.49	1.82	1.20	−19	−21	− 5	+34	−20	+10	−21	− 1	+22	−13			0	0.44
71435	14 36 27.35	−66 13 51.2	9.48		H	219.113 959 47	−66.230 883 35		−2.05	−5.51	−7.73	0.68	0.90	1.29	0.78	1.27	+34	−18	−11	+ 7	+13	−13	+14	+11	− 6	+30			1	3.05
71436	14 36 28.74	+49 31 34.4	7.62	1	H	219.119 757 06	+49.526 235 85		1.76	−6.55	6.96	0.54	0.62	0.73	0.59	0.65	+19	−11	−26	− 7	−31	+12	−29	− 9	+ 3	−15			0	1.43
71437	14 36 30.56	−64 08 47.4	8.04		H	219.127 352 59	−64.146 497 91		9.98	19.28	−35.97	0.60	0.75	1.07	0.73	0.89	+43	−20	−22	+24	+28	−12	+29	+22	−13	+69			1	0.73
71438	14 36 32.07	+05 53 11.7	10.69		G	219.133 621 58	+05.886 588 59		0.55	−6.30	−12.35	1.68	1.77	2.71	1.78	1.75	−31	−14	−56	−36	− 4	+18	+ 0	−43	+37	−47			0	1.35
71439	14 36 32.33	+23 37 17.3	7.63		H	219.134 704 94	+23.621 483 41		2.61	2.62	−25.07	0.70	0.62	0.88	0.79	0.70	− 9	−15	−21	+ 4	− 9	−11	− 9	+15	− 8	−28			0	−0.14
71440	14 36 36.73	+56 41 29.8	8.07		H	219.153 039 91	+56.691 607 93		19.31	78.19	−55.80	0.83	0.73	0.71	1.25	1.40	+35	− 6	−20	−56	−32	+ 4	−31	−28	− 1	+59			0	2.00
71441	14 36 37.24	−12 29 37.2	9.09		H	219.155 172 48	−12.493 653 73		1.77	−23.50	−19.86	1.48	0.88	1.33	1.69	1.19	+ 6	−21	− 4	+60	+11	+ 8	+ 4	+27	+29	+ 5			0	−1.39
71442	14 36 38.55	−31 02 10.6	8.59		H	219.160 641 12	−31.036 273 81		2.27	−14.10	−5.94	1.02	0.70	1.27	1.27	0.84	−24	− 2	−23	+28	− 9	+38	+ 2	−18	+ 5	−18			0	2.05
71443	14 36 39.61	−26 34 44.1	9.44		H	219.165 028 52	−26.578 909 26		5.33	−0.57	−17.41	1.15	0.87	1.45	1.54	1.16	−23	− 1	−16	−13	− 5	− 1	+ 1	−37	+36	+ 3			0	1.07
71444	14 36 39.86	−33 46 29.9	9.29		H	219.166 076 53	−33.774 964 96		5.53	−52.35	−38.95	1.26	0.72	1.36	1.44	0.96	−20	−13	− 5	+37	−12	+24	−16	+ 0	+11	−24			0	−0.81
71445	14 36 40.63	−32 45 42.3	10.63		H	219.169 295 70	−32.761 737 38		−0.34	−5.05	−17.60	1.81	1.20	1.96	2.37	1.59	−12	−17	−15	+ 0	−25	+13	−24	− 1	+ 4	−20			0	−0.59
71446	14 36 41.21	−49 47 04.6	9.69	2	H	219.171 718 81	−49.784 622 29		1.29	−22.43	−12.69	0.97	0.77	1.45	1.10	1.17	−19	−23	+12	− 3	+ 5	−21	+10	−14	− 3	−11			0	−0.16
71447	14 36 41.40	−71 04 58.8	8.93		H	219.172 487 06	−71.083 008 29		2.04	−25.34	−11.07	0.72	0.85	1.06	0.82	0.99	+17	−16	− 3	+18	+12	− 4	+ 8	+38	+ 4	+29			2	0.07
71448	14 36 42.39	+12 10 10.5	9.59		H	219.176 620 26	+12.169 574 88	A	−0.01	−16.96	7.15	6.87	4.98	6.13	6.90	4.86	+ 1	−35	−36	−48	−27	+28	−17	−26	+12	−20			11	1.61
71449	14 36 42.50	+12 09 56.4	10.06		H	219.177 072 51	+12.165 653 21	B	16.15	−45.63	1.08	15.72	11.98	12.01	12.97	9.55	+ 3	−28	−34	−43	−35	+24	−29	−23	+20	−10			11	1.61
71450	14 36 42.78	−24 28 31.0	9.17		H	219.178 255 81	−24.475 278 81		2.99	8.65	−7.60	1.11	0.76	1.36	1.45	0.98	−17	−20	−23	+ 1	−13	+28	− 9	−23	+10	−20			0	−0.04
71451	14 36 43.02	−11 38 36.0	8.45		H	219.179 253 40	−11.643 324 04		1.52	−13.52	2.60	1.00	0.75	1.16	1.23	0.95	− 2	−26	−39	+17	−13	+16	−10	+ 4	+ 7	−15			0	0.61
71452	14 36 43.67	+12 52 41.3	6.98		H	219.181 956 41	+12.878 149 86		5.96	−21.11	−10.05	0.71	0.63	0.93	0.84	0.69	−23	−23	−20	−16	−21	+37	−13	+ 3	− 7	−27			4	−2.20
71453	14 36 44.15	−40 12 41.5	5.74		G	219.183 960 76	−40.211 526 39		7.78	−22.67	−22.05	0.56	0.44	0.77	0.62	0.70	−14	−19	−22	+ 8	+ 3	−16	− 7	−21	+31	−20			2	−0.16
71454	14 36 44.86	+31 20 26.2	10.46		G	219.186 933 38	+31.340 612 51		5.95	−48.64	−139.04	1.19	1.15	1.68	1.59	1.38	− 2	−20	−13	+15	+ 4	−20	− 2	+ 3	+ 6	−37			0	2.01
71455	14 36 44.93	+02 50 20.9	8.43	2	H	219.187 218 02	+02.839 131 63		2.42	4.35	−0.33	1.22	1.09	1.50	1.45	1.36	−39	+ 2	−38	− 4	+28	−20	+25	−56	+41	−38			0	−1.21
71456	14 36 46.38	−59 24 48.2	8.05		H	219.193 259 52	−59.413 400 51		−1.46	−1.44	−2.81	0.76	0.57	0.89	1.08	0.72	+25	+ 2	+ 2	+35	+ 1	+ 9	+ 7	+27	+ 6	+55			0	1.43
71457	H 14 36 46.68	−36 39 55.2	7.68		H	219.194 518 21	−36.665 336 01	A	3.55	−3.35	−2.88	1.07	0.81	1.23	1.00	1.08	−15	−16	−31	−20	+11	−18	− 3	−33	+41	−30			2	0.18
71458	14 36 48.47	−29 06 43.6	8.02		H	219.201 949 51	−29.112 119 38		5.96	64.57	−344.92	1.08	0.79	1.32	1.79	1.10	−26	+14	−41	−17	− 8	− 7	− 2	−39	+31	+ 0			0	1.55
71459	14 36 49.55	+09 17 52.7	10.33		H	219.206 449 64	+09.297 962 12		5.07	−2.76	−25.69	1.36	1.39	1.85	1.48	1.47	−23	−20	−23	− 5	−13	+23	− 7	−16	−13	−35			0	0.13
71460	14 36 50.28	+33 18 11.8	9.48		H	219.209 494 02	+33.303 277 77		7.78	157.21	−83.68	0.79	0.88	1.27	0.91	0.84	+ 6	−11	+21	− 9	− 9	− 2	− 5	− 1	− 7	− 9			2	−0.52
71461	14 36 53.89	+24 27 47.1	7.70		H	219.224 523 02	+24.463 078 55		2.59	0.71	−8.63	0.70	0.63	0.93	0.94	0.69	−16	−10	−35	+ 5	+13	−29	+ 3	+ 0	+ 2	−34			0	−0.53
71462	H 14 36 53.90	−04 16 44.5	7.79		G	219.224 579 20	−04.279 015 80	A	19.12	−358.85	9.58	1.22	0.95	1.43	1.43	1.19	−36	−18	−26	+23	−19	+ 8	−25	−23	+39	−31			1	−0.07
71463	14 36 54.26	+54 51 18.9	7.43		H	219.226 103 91	+54.855 240 58		3.35	−25.43	5.31	0.52	0.54	0.60	0.63	0.64	+25	+ 3	−17	+10	−15	+12	−20	−15	− 8	+ 2			1	1.36
71464	14 36 54.80	−30 13 04.1	12.17		H	219.228 317 19	−30.217 798 15		−2.99	1.71	−21.93	4.23	2.81	5.19	5.38	4.25	−19	−19	−24	+ 9	− 5	−24	−21	−23	+43	−37			0	−0.51
71465	14 36 55.55	−65 27 37.7	8.60		H	219.231 470 37	−65.460 464 20		1.24	−5.43	8.86	0.58	0.79	1.07	0.69	1.05	+41	−22	−13	− 2	+10	+ 1	+11	+ 9	− 9	+52			0	0.73
71466	14 36 55.90	+42 49 52.7	6.59		H	219.232 902 05	+42.831 300 25		16.94	−91.88	−55.92	0.42	0.47	0.59	0.53	0.50	+14	− 6	−19	+12	+17	−19	+14	+30	−18	+14			0	−1.94
71467	H 14 36 56.19	+48 13 17.5	7.73		G	219.234 139 12	+48.221 520 14	B	9.31	−13.47	46.55	2.28	1.93	1.74	1.93	1.33	+ 4	−13	− 9	− 7	− 6	−16	−11	−20	+ 0	−12			1	−0.47
71468	14 36 57.11	+27 50 10.5	8.54		H	219.237 942 62	+27.836 259 20		4.64	−11.02	−1.06	0.74	0.71	1.13	0.71	0.98	+12	+ 0	− 6	−35	−29	− 1	+17	+ 5	+16	−42			0	0.62
71469	14 37 00.30	−12 18 22.4	6.20		H	219.251 233 38	−12.306 235 65	+	29.97	−870.88	364.89	0.97	1.27	0.95	3.25	1.52	+12	−16	+15	+15	−50	− 1	+28	−34	− 4	+53			0	−1.01
71470	14 37 00.41	−24 02 18.7	8.87		G	219.251 699 72	−24.038 516 51		10.13	−39.33	45.91	0.93	0.66	1.13	1.14	0.83	−26	−28	− 9	+ 7	−10	+21	−10	−13	+15	−19			0	−0.67
71471	14 37 01.49	−28 43 18.5	8.21		G	219.256 220 24	−28.721 811 01		6.76	14.01	−10.55	1.29	0.94	1.31	1.62	1.23	+12	− 6	−40	−30	− 2	+ 1	− 8	−60	+29	− 4			0	2.47
71472	14 37 02.16	+27 59 58.0	8.83		H	219.258 999 70	+27.999 436 05		3.68	24.29	−19.09	0.85	0.79	1.30	0.89	1.16	+ 7	−12	−18	−24	−12	+ 0	−13	−13	+13	−47			0	−1.66
71473	14 37 02.63	−22 08 22.9	8.01		G	219.260 968 09	−22.139 703 97		5.67	−50.58	−3.27	0.80	0.57	0.94	0.88	0.69	−33	−23	− 4	+13	− 3	+14	+ 0	−16	+16	−15			0	−0.23
71474	14 37 02.92	+14 42 41.8	8.94		H	219.262 178 44	+14.711 621 20		1.32	10.95	−10.62	1.19	0.95	1.39	1.47	1.06	− 7	+ 3	−26	−35	−14	+ 9	−12	−17	+ 6	− 1			0	−0.42
71475	H 14 37 03.00	−62 30 31.1	7.78		H	219.262 482 30	−62.508 639 68	A	4.77	−9.01	0.13	1.01	1.14	1.58	1.07	1.32	+11	−12	+ 3	+ 9	− 5	−33	− 3	+31	−25	+21			1	0.55
71476	14 37 03.41	+11 12 30.1	7.53		H	219.264 211 55	+11.208 356 45		0.81	−20.34	−43.18	0.96	0.74	1.12	1.06	0.82	−18	−35	−14	−29	−28	+29	−18	+ 2	− 9	−37			7	−1.28
71477	14 37 03.48	−33 10 46.5	8.20		G	219.264 503 71	−33.179 588 57		4.95	−29.74	−19.50	0.94	0.59	1.04	1.11	0.75	−12	−19	−13	+ 7	−12	+23	−12	−11	+ 3	−18			4	0.55
71478	14 37 03.54	+34 52 09.0	10.10		H	219.264 740 02	+34.869 156 41		8.67	−35.34	3.85	0.80	0.97	1.63	0.87	0.98	+27	+ 8	+ 1	+12	−12	−13	−13	+ 8	−29	+16			0	0.73
71479	14 37 03.63	−47 06 50.5	8.73		H	219.265 107 45	−47.114 037 99		2.41	29.64	−22.60	0.70	0.61	1.21	0.84	0.91	−35	−24	+ 5	+12	+11	−33	+13	−19	+29	−22			0	0.58
71480	14 37 04.87	+07 19 54.4	9.34		H	219.270 299 31	+07.331 773 87		5.75	−24.58	39.15	1.07	0.99	1.34	1.10	1.06	−37	−19	− 6	+ 0	−37	+24	−38	+16	+ 3	−41			0	0.62
71481	14 37 04.90	−25 48 08.0	8.29		H	219.270 417 01	−25.802 231 59		38.52	−21.22	−136.17	0.92	0.65	1.10	1.06	0.97	−24	−37	− 1	+ 7	− 8	−19	−21	−15	+19	−48			0	0.84
71482	14 37 04.95	+47 30 08.9	9.23		H	219.270 633 94	+47.502 474 22		4.57	−18.37	31.95	0.69	0.70	0.90	0.88	0.78	+11	+ 3	−19	−12	−13	+ 5	− 7	+11	−16	− 8			0	−0.53
71483	14 37 05.94	+05 28 05.7	9.20		G	219.274 733 18	+05.468 248 08		6.09	−6.91	−4.66	1.32	1.14	1.86	1.42	1.31	−33	+ 8	−47	−49	+ 4	− 6	+ 5	−47	+45	−45			0	0.27
71484	14 37 06.33	+12 21 53.7	9.67		H	219.276 375 24	+12.364 916 68		5.45	−7.98	5.63	1.45	1.24	1.95	1.84	1.29	−11	−20	−42	−31	−20	+28	− 8	−16	+ 8	−24			0	−0.51
71485	14 37 07.33	+33 40 41.8	7.46		H	219.280 555 30	+33.678 291 41		2.78	20.25	−25.64	0.51	0.57	0.79	0.59	0.57	+ 1	+ 1	+10	− 4	−14	− 1	−10	+ 8	−20	−12			0	−0.01
71486	14 37 08.65	−03 53 31.7	7.06		G	219.286 040 23	−03.892 140 55		6.59	31.36	−29.12	0.97	0.67	1.29	1.17	1.20	−27	−33	−33	+43	+ 9	−37	−31	−44	+64	−61			0	1.96
71487	14 37 08.84	+35 55 47.1	7.13	2	H	219.286 813 65	+35.929 751 43		7.80	−28.56	−0.74	0.39	0.53	0.76	0.44	0.60	+17	+ 6	−22	+10	+ 3	−12	− 1	+17	−26	+14			0	−0.50
71488	H 14 37 09.46	−37 31 55.1	7.51		H	219.289 417 63	−37.531 976 47	A	4.89	−12.15	−8.93	1.34	1.06	1.51	1.32	1.83	−25	−26	−10	− 7	+16	− 5	+ 1	−26	+10	−67			2	0.57
71489	14 37 10.11	−38 39 25.6	8.89		H	219.292 124 43	−38.657 108 60		6.08	−34.57	−26.37	0.92	0.79	1.23	0.99	1.21	−30	−20	−17	+ 6	+10	−11	+ 2	−20	+35	−39			0	−0.10
71490	14 37 11.59	+26 44 11.6	9.98	3	H	219.298 305 93	+26.736 542 75		−1.96	−22.61	12.50	0.97	0.87	1.24	1.00	0.95	−17	−19	−33	+ 8	−28	+13	−17	+37	−20	−47			4	−0.77
71491	14 37 11.82	+44 37 14.5	8.55		H	219.299 269 71	+44.620 682 41		11.36	−6.84	−2.87	0.67	0.67	0.89	0.86	0.75	+14	−16	−26	+16	− 3	+ 3	− 1	+18	−11	−16			0	−1.65
71492	14 37 11.97	−62 00 39.2	6.78	2	T	219.299 876 48	−62.010 891 32		3.71	−2.89	−2.73	0.63	0.55	0.84	0.60	0.64	+20	−46	−24	+ 9	+ 0	− 7	+ 0	+23	− 7	+18			2	−1.18
71493	14 37 12.18	−55 36 13.0	9.16		H	219.300 743 43	−55.603 610 90		1.55	−8.79	−7.19	0.85	0.64	1.19	0.93	1.00	+ 2	−33	− 7	+15	+14	− 3	+ 4	−10	+25	−13			0	1.72
71494	14 37 12.43	−53 03 38.7	6.49		H	219.301 781 73	−53.060 749 08		4.59	−10.75	−15.90	0.49	0.44	0.76	0.51	0.70	− 3	−32	−21	+ 5	+18	−28	+ 2	−27	+29	−33			0	0.20
71495	14 37 12.89	−30 10 35.7	7.75		H	219.303 697 21	−30.176 571 93		2.96	−15.70	−21.49	1.07	0.76	1.32	1.53	1.13	−23	− 6	−29	+ 5	− 6	−14	−13	−29	+34	−30			0	0.63
71496	14 37 15.64	−41 18 46.0	9.92		H	219.315 169 22	−41.312 774 41		0.62	−7.43	−6.19	1.53	0.85	1.94	2.05

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
71401	10.537	0.032	9.253	0.018		1.093	0.029	T	1.05	0.03	L	9.3408	0.0019	0.016	112		9.31	9.37		C			1							
71402	10.271	0.032	9.118	0.022		0.990	0.030	T	0.97	0.02	L	9.1569	0.0020	0.019	87		9.11	9.19					1							
71403	10.493	0.031	9.333	0.019		0.996	0.028	T	0.97	0.02	L	9.3727	0.0022	0.022	118		9.33	9.41		C			1							
71404	9.224	0.014	7.363	0.006		1.547	0.012	T	1.61	0.03	L	7.2965	0.0008	0.011	152		7.28	7.32					1							S
71405	9.750	0.022	7.785	0.009		1.658	0.092	G	2.26	0.02	A	7.6197	0.0026	0.018	76		7.58	7.67		U 2			1							S
71406	7.747	0.008	6.501	0.005		1.063	0.007	T	1.03	0.01	L	6.5565	0.0008	0.007	96		6.55	6.57					1							S
71407	7.620	0.007	7.261	0.007		0.368	0.015	G	0.43	0.02	H	7.3101	0.0007	0.006	92		7.30	7.32		C			1	X						S
71408	9.871	0.017	8.726	0.011		0.984	0.016	T	0.96	0.01	L	8.7502	0.0020	0.023	196		8.72	8.79					1							
71409	9.447	0.015	8.904	0.014		0.509	0.018	T	0.58	0.02	L	8.9689	0.0023	0.020	143		8.94	9.00		C			1							S
71410	9.961	0.024	8.616	0.013		1.140	0.021	T	1.10	0.02	L	8.6947	0.0012	0.011	108		8.68	8.71		C			1							
71411	9.708	0.016	8.146	0.008		1.311	0.014	T	1.27	0.02	L	8.1546	0.0013	0.015	152		8.13	8.18		C			1							S
71412	10.955	0.042	10.415	0.041		0.506	0.053	T	0.58	0.06	L	10.5032	0.0040	0.034	150		10.44	10.58					1							
71413	9.776	0.050	9.103	0.033	*	0.652	0.015	G	0.72	0.01	H	*	9.9306	0.0018	0.023	102	*	9.90	9.98		D	14363+1924	I 1	2	C	A	AB	43	2.272	0.005	0.05	0.01	
71414	10.458	0.044	10.040	0.048		0.478	0.022	G	0.55	0.02	H		10.1104	0.0020	0.015	79		10.07	10.15					1							
71415	8.974	0.013	7.775	0.009		1.026	0.012	T	1.00	0.01	L		7.8155	0.0017	0.013	92		7.79	7.84					1							S
71416	8.502	0.010	8.114	0.010		0.367	0.013	T	0.43	0.01	L		8.1706	0.0014	0.013	114		8.16	8.20					1							S
71417	9.032	0.018	7.640	0.011		1.177	0.017	T	1.14	0.01	L		7.6889	0.0012	0.010	58		7.67	7.72		D			1							S
71418	11.866	0.087	11.180	0.074		0.634	0.094	T	0.70	0.08	L		11.2139	0.0043	0.051	173		11.12	11.30		C			1							G
71419	7.481	0.005	5.706	0.003		1.489	0.010	G	1.49	0.00	A		5.6764	0.0007	0.008	178		5.67	5.69			14363−4615	I 1	1							S
71420	10.719	0.068	8.949	0.027		1.500	0.040	G	1.53	0.06	R		8.8860	0.0023	0.014	52		8.86	8.90					1							
71421	9.686	0.017	9.470	0.021		0.200	0.027	T	0.22	0.03	L		9.5281	0.0019	0.026	162		9.49	9.58					1	S						G
71422	10.589	0.046	9.463	0.028		0.969	0.042	T	0.95	0.03	L		9.5371	0.0033	0.024	64		9.50	9.58		C			1							
71423	9.839	0.018	9.177	0.017		0.631	0.002	G	0.70	0.00	H		9.2246	0.0025	0.024	149		9.19	9.27		C			1							
71424	9.825	0.022	8.669	0.015		0.993	0.021	T	0.97	0.02	L		8.7037	0.0027	0.016	79		8.67	8.73					1							
71425	8.971	0.012	8.384	0.011		0.568	0.015	G	0.64	0.01	H		8.4402	0.0015	0.015	115		8.42	8.47					1							S
71426	10.545	0.034	10.011	0.032		0.501	0.042	T	0.57	0.04	L		10.0396	0.0024	0.021	120		10.01	10.07		C			1							
71427	10.576	0.043	9.333	0.025		1.061	0.039	T	1.03	0.03	L		9.3582	0.0023	0.019	89		9.32	9.39					1							
71428	7.550	0.007	7.080	0.007		0.443	0.009	T	0.51	0.01	L		7.1225	0.0010	0.009	131		7.11	7.14		C			1							S
71429	7.488	0.006	6.252	0.005		1.048	0.001	G	1.02	0.00	H		6.2968	0.0007	0.008	97		6.28	6.31					1							S
71430	11.180	0.065	9.309	0.022		1.555	0.054	T	1.57	0.06	L		9.3041	0.0030	0.020	83		9.27	9.34					1							
71431	8.907	0.012	8.260	0.010		0.594	0.015	G	0.66	0.01	H		8.3167	0.0010	0.012	110		8.30	8.34					1							S
71432	8.892	0.012	8.733	0.013		0.153	0.017	T	0.17	0.02	L		8.7697	0.0017	0.018	139		8.74	8.80		C			1							S
71433	10.641	0.035	9.332	0.019		1.112	0.031	T	1.07	0.03	L		9.3755	0.0020	0.023	166		9.35	9.41			14364−5153	I 1	1							
71434	9.992	0.033	9.432	0.033		0.560	0.020	G	0.63	0.02	H		9.5089	0.0023	0.020	68		9.47	9.55					1							
71435	9.693	0.014	9.508	0.018		0.177	0.021	T	0.19	0.02	L		9.5401	0.0021	0.026	225		9.49	9.59					1	S						G
71436	9.681	0.018	7.804	0.008		1.560	0.016	T	1.58	0.02	L		7.7445	0.0021	0.017	123		7.72	7.77		U			1							S
71437	8.566	0.008	8.085	0.008		0.463	0.007	G	0.53	0.01	H		8.1399	0.0014	0.018	171		8.11	8.18					1							
71438	11.220	0.083	10.466	0.064		0.480	0.020	G	0.55	0.02	H		10.8107	0.0030	0.024	85		10.77	10.84		C			1							G
71439	9.607	0.020	7.786	0.009		1.515	0.017	T	1.55	0.03	L		7.7499	0.0014	0.015	100		7.73	7.78					1							S
71440	8.888	0.011	8.155	0.009		0.674	0.015	G	0.73	0.01	H		8.2094	0.0016	0.014	115		8.19	8.23					1	G						S
71441	9.541	0.022	9.148	0.023		0.466	0.015	G	0.54	0.02	H		9.1954	0.0016	0.019	62		9.17	9.23		C			1							
71442	8.621	0.013	8.603	0.016		0.021	0.019	T	0.04	0.01	L		8.6057	0.0024	0.014	67		8.59	8.63					1							
71443	9.958	0.035	9.461	0.036		0.467	0.046	T	0.54	0.05	L		9.5454	0.0021	0.016	65		9.52	9.57		C			1							
71444	9.882	0.027	9.322	0.025		0.529	0.027	T	0.60	0.03	L		9.4088	0.0023	0.017	75		9.38	9.45					1							
71445	11.770	0.112	10.755	0.071		0.885	0.099	T	0.89	0.07	L		10.7881	0.0040	0.036	82		10.72	10.85					1							G
71446	10.181	0.028	9.694	0.028		0.470	0.030	T	0.54	0.03	L		9.7937	0.0038	0.035	184		9.74	9.85		U			1							G
71447	10.454	0.028	9.110	0.016		1.140	0.025	T	1.10	0.03	L		9.0928	0.0028	0.022	158		9.06	9.13					1							
71448	10.200	0.042	9.595	0.037	A	0.564	0.049	T	0.64	0.04	L		9.7126	0.0181	0.073	59	A	9.64	9.89		D	14367+1210	I 2	1	C	P	A				
71449	10.771	0.063	10.095	0.054	B	0.625	0.069	T	0.69	0.06	L		10.2166	0.0258			B				D	14367+1210	I 2	1	C	I	A				
71450	10.923	0.062	9.312	0.025		1.349	0.053	T	1.31	0.06	L		9.3223	0.0016	0.018	82		9.29	9.36					1							
71451	8.443	0.012	8.419	0.015		0.027	0.018	T	0.04	0.01	L		8.4665	0.0020	0.013	56		8.45	8.50					1							
71452	7.080	0.007	6.991	0.010		0.087	0.011	T	0.10	0.01	L		7.0151	0.0011	0.008	62		7.00	7.03		C			1							S
71453	5.598	0.003	5.720	0.003		−0.112	0.007	G	−0.10	0.01	H		5.7072	0.0009	0.007	100		5.70	5.72					1							S
71454	11.189	0.052	10.515	0.047		0.599	0.015	G	0.67	0.01	H		10.5879	0.0030	0.034	122		10.51	10.67					1							
71455	10.590	0.054	8.740	0.022		1.538	0.046	T	1.59	0.10	L		8.5452	0.0231	0.104	56		8.47	8.73		U 2			1	S						P
71456	10.032	0.022	8.211	0.010		1.515	0.019	T	1.55	0.03	L		8.1737	0.0018	0.015	149		8.15	8.20					1							
71457	7.602	0.008	7.674	0.011	*	−0.061	0.013	T	−0.04	0.01	L	*	7.6665	0.0015	0.011	89	*	7.65	7.69		D	14368−3640	I 1	2	C	A	AB	270	0.775	0.012	2.92	0.06	S
71458	8.802	0.014	8.108	0.012		0.640	0.015	T	0.70	0.01	L		8.1548	0.0017	0.008	61		8.13	8.18		C			1							S
71459	11.301	0.078	10.444	0.057		0.768	0.073	T	0.81	0.05	L		10.4835	0.0032	0.032	79		10.43	10.53		C			1							
71460	10.165	0.021	9.557	0.020		0.567	0.025	T	0.64	0.02	L		9.6033	0.0029	0.029	151		9.55	9.65					1							
71461	7.684	0.009	7.695	0.011		−0.005	0.013	T	0.02	0.01	L		7.7087	0.0011	0.011	87		7.69	7.73					1							S
71462	8.764	0.011	7.886	0.009	*	0.755	0.002	G	0.80	0.00	H	*	7.9320	0.0014	0.010	96	*	7.92	7.95			14369−0417	H 1	2	C	A	AB	186	0.830	0.021	3.71	0.09	S
71463	8.821	0.012	7.548	0.007		1.084	0.011	T	1.05	0.01	L		7.6007	0.0008	0.009	116		7.59	7.62		C			1							S
71464											T		12.3250	0.0165	0.084	54		12.16	12.45					1							G
71465	9.993	0.016	8.722	0.009		1.082	0.014	T	1.04	0.01	L		8.7655	0.0019	0.022	258		8.73	8.82					1	S						
71466	7.189	0.005	6.650	0.005		0.505	0.006	T	0.58	0.01	L		6.7028	0.0008	0.008	142		6.69	6.72		C			1							S
71467	8.280	0.011	7.821	0.010	*	0.467	0.011	G	0.54	0.01	H	*	7.8295	0.0009	0.011	105	*	7.81	7.85		D	14369+4813	I 1	2	C	A	BA	83	0.571	0.002	0.20	0.01	S
71468	8.851	0.010	8.573	0.011		0.264	0.014	T	0.30	0.02	L		8.6112	0.0021	0.019	140		8.58	8.64		C			1							S
71469	6.742	0.006	6.243	0.005		0.464	0.011	G	0.50	0.07	F		6.2977	0.0006	0.008	61		6.29	6.32					1	O						S
71470	9.442	0.018	8.889	0.017		0.541	0.015	G	0.61	0.02	H		8.9741	0.0011	0.014	87		8.95	9.00					1							
71471	8.695	0.013	8.258	0.013		0.433	0.015	G	0.50	0.02	H		8.2948	0.0020	0.010	64		8.28	8.31		C			1	G						S
71472	10.184	0.025	8.958	0.015		1.047	0.023	T	1.02	0.02	L		9.0005	0.0017	0.022	140		8.97	9.04		C			1							S
71473	8.386	0.011	8.056	0.011		0.333	0.015	G	0.39	0.02	H		8.0880	0.0008	0.008	86		8.07	8.11					1							S
71474	10.195	0.043	9.096	0.028		0.949	0.039	T	0.94	0.03	L		9.1083	0.0023	0.017	59		9.08	9.13		C			1							
71475	8.842	0.015	7.799	0.011	*	0.906	0.014	T	0.91	0.01	L	*	7.9406	0.0016	0.019	138	*	7.91	7.97		D	14371−6231	I 1	2	C	A	AB	33	3.022	0.006	1.57	0.03	
71476	9.233	0.017	7.683	0.009		1.301	0.015	T	1.26	0.02	L		7.6921	0.0012	0.009	72		7.68	7.71					1							S
71477	8.682	0.012	8.232	0.012		0.438	0.013	T	0.51	0.01	L		8.3063	0.0020	0.015	79		8.29	8.33					1							S
71478	10.747	0.026	10.114	0.023		0.588	0.030	T	0.66	0.03	L		10.2210	0.0028	0.033	219		10.17	10.27					1							
71479	10.062	0.022	8.856	0.014		1.032	0.020	T	1.00	0.02	L		8.8989	0.0017	0.018	181		8.87	8.94					1							
71480	10.166	0.034	9.429	0.029		0.675	0.036	T	0.73	0.03	L		9.4771	0.0019	0.019	76		9.45	9.52		C			1							
71481	9.591	0.021	8.371	0.013		0.685	0.015	G	0.74	0.01	H		8.4279	0.0019	0.013	72		8.40	8.45		C			1							
71482	9.961	0.022	9.297	0.020		0.615	0.025	T	0.68	0.02	L		9.3656	0.0019	0.017	114		9.34	9.40		C			1							
71483	9.926	0.029	9.233	0.024		0.650	0.020	G	0.71	0.02	H		9.3352	0.0021	0.016	90		9.30	9.36					1							
71484	10.202	0.038	9.679	0.037		0.491	0.048	T	0.56	0.05	L		9.7773	0.0030	0.021	65		9.73	9.81		C			1							
71485	8.977	0.010	7.585	0.006		1.177	0.009	T	1.14	0.01	L		7.6233	0.0014	0.015	160		7.60	7.65					1							S
71486	8.092	0.008	7.168	0.006		0.851	0.001	G	0.87	0.00	H		7.2134	0.0008	0.008	95		7.20	7.23		C			1							S
71487	7.292	0.005	7.151	0.005		0.128	0.007	T	0.14	0.01	L		7.1754	0.0009	0.013	184		7.16	7.21		P 1	A		1							S
71488	9.002	0.033	8.605	0.034	B						T	*	7.5490	0.0013	0.010	87	*	7.53	7.57		D	14372−3732	I 1	2	C	A	AB	214	4.161	0.004	0.91	0.02	S
71489	9.380	0.019	8.928	0.019		0.426	0.025	T	0.49	0.03	L		8.9848	0.0018	0.015	91		8.95	9.01		C			1							
71490	10.104	0.033	8.729	0.018		1.500	0.510	G	3.86	1.05	K		9.5191	0.1131	1.520	95		6.88	10.92	225.40	P 1	B		1	S						G P
71491	9.120	0.016	8.585	0.015		0.502	0.020	T	0.57	0.02	L		8.6579	0.0014	0.015	114		8.63	8.68		C			1							S
71492	8.060	0.029	6.888	0.019		1.005	0.027	T	0.98	0.02	L		6.8791	0.0315	0.175	103		6.70	7.09	7.07	P 1	A		1							S
71493	9.321	0.015	9.170	0.018		0.137	0.022	T	0.15	0.02	L		9.2162	0.0018	0.020	139		9.18	9.26		C			1							
71494	8.397	0.009	6.662	0.004		1.447	0.008	T	1.45	0.01	L		6.6258	0.0010	0.011	162		6.61	6.64					1							S
71495	9.548	0.023	7.898	0.012		1.380	0.020	T	1.35	0.02	L		7.8931	0.0017	0.010	60		7.88	7.91		C			1							S
71496	10.382	0.036	10.010	0.040		0.363	0.047	T	0.42	0.05	L		10.0026	0.0024	0.023	122		9.95	10.04		C			1							G
71497	11.751	0.133	10.716	0.085		0.955	0.015	G	1.00	0.01	I		10.7346	0.0041	0.030	65		10.69	10.80					1							G
71498	9.101	0.013	8.860	0.015		0.225	0.020	T	0.25	0.02	L		8.8800	0.0020	0.018	130		8.85	8.91					1							
71499	8.955	0.013	8.350	0.011		0.564	0.015	T	0.64	0.01	L		8.4103	0.0019	0.015	116		8.39	8.45					1							S
71500	6.808	0.004	5.544	0.003	*	0.927	0.069	G	1.00	0.02	A	*	5.5812	0.0015	0.017	165	–	5.55	5.60		D	14373−4608	I 2	2	C	P	C	AB	339	0.169	0.004	0.29	0.21	S G

Number	Descriptor: epoch J1991.25					Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V			α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	$\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag			deg	deg		mas	mas/yr		mas		mas	mas/yr		$\alpha*$	$\alpha*$	δ	$\alpha*$	δ	π	$\alpha*$	δ	π	$\mu_{\alpha*}$	%	
1 2	3	4	5 6	7		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
71501	14 37 20.34	+49 59 38.8	9.76	H		219.334 762 97	+49.994 118 82		2.50	−24.52	13.22	0.81	0.91	1.09	0.99	1.01	+ 7	−13	−26	+ 9	−29	+19	−30	− 8	− 3	−35	0	−0.95
71502 T	14 37 20.78	−46 07 46.6	8.50	G		219.336 586 56	−46.129 607 06	C	2.44	339.73	803.65	90.61	56.40	1.25	72.32	48.23	−12	+ 6	−17	+39	+ 9	+ 5	+26	−26	+21	+19	13	3.79
71503	14 37 22.44	−58 12 56.4	8.24	H		219.343 514 73	−58.215 671 35		2.55	−15.99	−14.01	0.86	0.68	1.17	1.27	0.94	+19	−24	+ 2	+12	−10	−28	− 6	+ 4	− 9	+48	0	1.87
71504	14 37 22.61	+11 02 06.5	10.77	G		219.344 203 18	+11.035 129 14	B	5.95	−310.37	68.25	11.54	10.33	8.96	10.11	8.93	−48	− 9	−18	+11	−31	+37	−23	+29	−21	−60	15	1.69
71505	14 37 22.70	+11 01 40.3	9.60	G		219.344 581 31	+11.027 865 75	A	13.39	−286.98	59.61	2.84	2.64	2.67	3.01	2.82	−48	−14	−13	+ 5	−25	+37	−17	+20	−25	−62	15	1.69
71506	14 37 23.59	−40 47 21.7	8.48	H		219.348 293 94	−40.789 374 77		2.39	−14.43	−3.54	0.86	0.63	1.12	1.05	1.12	−12	− 5	−14	−13	− 1	−20	− 8	−24	+33	−15	0	0.13
71507	14 37 24.47	−00 29 14.6	9.36	H		219.351 976 64	−00.487 401 72		9.01	−26.96	2.71	1.49	0.85	1.55	1.76	1.15	− 5	−38	− 3	+ 8	−21	+21	−25	− 6	+16	+ 2	0	−0.49
71508	14 37 25.72	+03 24 32.9	9.67	H		219.357 176 21	+03.409 138 87		6.70	−33.98	−73.87	1.54	1.28	2.11	2.03	1.46	−27	+ 2	−52	− 8	+19	−15	+14	−47	+42	−26	0	−0.18
71509	14 37 26.70	+19 48 06.6	8.42	H		219.361 249 43	+19.801 839 12		2.73	9.86	3.37	0.86	0.73	1.11	0.95	0.80	−18	− 2	− 9	+43	+ 2	−14	− 3	+28	−11	−36	2	−0.06
71510	14 37 28.49	+02 16 38.7	6.45	G		219.368 705 03	+02.277 415 61		11.16	−36.69	−73.18	0.75	0.67	1.04	0.89	0.87	−22	−21	−43	+ 7	+18	−32	− 7	−38	+45	−49	5	1.22
71511	14 37 28.80	+19 50 51.7	8.27	H		219.370 000 62	+19.847 703 26		7.64	−15.39	−68.36	0.77	0.71	1.04	0.85	0.78	−16	+ 4	−13	+35	+ 2	− 6	+ 0	+31	−14	−35	0	−1.41
71512	14 37 30.71	+18 09 07.2	9.23	H		219.377 963 20	+18.151 992 50		3.76	−38.35	−5.88	0.82	0.85	1.21	0.89	0.93	−34	− 7	−14	+25	+ 2	−15	+ 4	+32	− 9	−57	0	0.05
71513	14 37 32.52	+68 26 57.5	8.09	H		219.385 483 55	+68.449 309 70		5.26	2.57	−4.70	0.58	0.64	0.68	0.62	0.71	− 2	−13	−28	+ 3	−16	+ 8	−15	+19	+10	−11	0	0.47
*71514	14 37 33.21	+79 02 03.1	9.88	H		219.388 361 40	+79.034 199 65		2.97	−19.15	−1.83	0.89	0.85	0.95	0.96	0.92	− 7	−10	−18	−19	− 6	+ 1	− 2	+13	− 5	−21	1	0.11
*71515	14 37 33.12	−16 32 26.3	8.73	G		219.388 003 87	−16.540 651 48		24.14	−80.89	−146.14	1.02	0.74	1.08	1.20	0.97	− 6	−25	−18	+ 2	−16	+ 2	−19	+ 1	+ 6	−19	0	−0.66
71516	14 37 33.89	−29 22 02.3	9.19	H		219.391 209 91	−29.367 295 52		17.50	173.43	−46.40	1.31	0.98	1.63	1.94	1.23	−26	+15	−41	−22	− 3	−17	− 4	−36	+21	−13	0	1.90
71517	14 37 34.54	+04 20 56.4	10.46	G		219.393 917 94	+04.348 994 30		1.41	5.94	−15.73	1.91	1.74	2.76	2.43	2.06	−28	−15	−45	− 2	+12	−27	− 6	−32	+41	−43	0	0.96
71518 H	14 37 35.08	+31 36 54.8	7.66	G		219.396 150 37	+31.615 225 14	*	7.29	−27.79	−39.92	0.61	0.62	0.85	0.72	0.71	− 7	+ 2	− 5	− 4	−11	− 5	+ 6	+17	−14	−29	0	−0.87
71519	14 37 35.90	+29 01 49.9	10.26	H		219.399 568 31	+29.030 532 37		4.82	−8.33	12.48	1.25	1.46	1.79	1.90	2.16	−38	− 9	−20	−64	+36	+ 3	+39	−59	+11	−51	0	0.07
71520	14 37 36.55	−43 06 40.7	6.51	H		219.402 308 02	−43.111 314 09		4.99	2.67	6.08	0.66	0.42	0.84	0.57	0.66	− 2	−42	−20	−11	+18	−15	+ 1	−41	+25	−34	0	−0.48
71521	14 37 38.46	−50 05 08.7	7.21	H		219.410 252 16	−50.085 746 66		6.02	−36.51	−61.92	0.58	0.43	0.86	0.61	0.70	−26	−38	+18	+ 6	+ 8	−16	+13	−18	− 1	−25	0	1.45
71522	14 37 42.37	+28 08 58.3	8.63	H		219.426 532 46	+28.149 537 20		6.74	−163.25	50.11	0.81	0.70	1.16	0.89	1.01	+16	+ 8	−13	−21	−16	− 7	−19	−18	+13	−41	0	−0.34
71523	14 37 42.74	+16 44 55.4	9.96	H		219.428 088 87	+16.748 724 09		2.15	−52.18	−16.54	1.03	1.10	1.67	1.32	1.30	−34	− 7	−29	+31	+12	−28	− 1	− 4	+ 8	−50	0	−1.39
71524	14 37 43.32	−35 31 13.5	7.77	H		219.430 520 32	−35.520 421 91		3.47	−112.06	−53.57	0.94	0.61	1.05	0.99	0.80	− 5	−11	− 5	−25	− 9	−11	−16	−17	+18	− 9	0	0.65
71525 H	14 37 44.09	−63 11 47.1	9.75	H		219.433 706 96	−63.196 414 77	A	2.88	− 4.45	−12.35	1.63	2.27	3.03	1.86	2.70	+19	−13	−18	+48	+17	−16	+18	+33	−25	+37	2	0.79
71526	14 37 44.60	−57 27 27.6	8.55	H		219.435 818 21	−57.457 654 98		12.34	57.24	14.22	0.91	0.69	1.20	0.92	0.94	+10	−45	− 1	+ 9	+ 4	−23	+ 7	−14	− 4	+13	0	1.15
71527	14 37 45.02	+03 19 58.0	8.97	H		219.437 596 64	+03.332 790 00		21.05	−289.70	−36.44	1.35	1.16	1.72	1.61	1.31	−37	+ 4	−48	− 5	+25	−12	+24	−51	+38	−36	0	−1.64
71528	14 37 45.33	−30 57 43.1	9.91	G		219.438 869 78	−30.961 971 68		9.57	125.11	−162.24	1.47	1.06	1.93	1.81	1.54	−28	−20	−30	+32	− 5	+ 3	−16	−23	+37	−41	0	1.52
71529	14 37 46.26	+52 01 57.5	8.06	2 G		219.442 770 13	+52.032 635 43		6.52	−56.41	30.27	0.58	0.61	0.74	0.57	0.64	+16	−23	−19	− 5	−16	− 1	−19	−11	+ 4	− 7	0	−0.28
71530	14 37 46.80	−67 55 52.8	6.03	G		219.444 985 94	−67.931 327 99		35.50	−348.26	−281.37	0.39	0.44	0.66	0.46	0.53	+25	− 8	+ 5	− 8	− 1	−29	+ 1	− 6	−13	+39	0	1.73
71531	14 37 49.08	+14 54 09.8	9.27	H		219.454 483 95	+14.902 725 81	A	0.68	−20.67	−13.49	4.55	3.83	4.29	5.32	3.75	−36	− 8	−23	−21	+ 5	−10	+ 2	−13	+14	−45	4	1.97
71532	14 37 49.90	+14 54 01.3	10.46	H		219.457 936 89	+14.900 371 72	B	3.89	−31.27	−9.26	22.91	20.54	11.95	15.39	11.47	−46	− 2	−30	−13	+ 7	−16	+ 3	−14	+22	−55	4	1.97
71533	14 37 51.11	−02 53 14.3	10.21	1 H		219.462 962 73	−02.887 317 52		9.68	−23.90	7.93	1.66	1.07	1.93	2.03	1.75	−37	−36	−12	+39	−26	−23	−46	− 6	+49	−54	2	2.84
71534	14 37 52.33	+18 00 18.4	9.88	H		219.468 035 54	+18.005 120 98		4.78	9.74	−65.72	0.97	1.11	1.39	1.13	1.25	−41	+ 2	−17	+35	−12	−11	−11	+46	− 8	−61	1	1.88
71535	14 37 52.95	−05 32 55.1	7.55	H		219.470 614 47	−05.548 625 75		5.73	−23.65	−17.11	0.91	0.95	1.13	1.04	1.17	−18	−21	−45	+28	+11	−13	+ 2	+ 0	+18	−49	0	0.62
71536	14 37 53.25	−49 25 32.7	4.05	1 H		219.471 879 65	−49.425 757 65		10.51	−27.78	−29.05	0.49	0.39	0.71	0.47	0.61	−28	−43	+10	− 5	+ 6	−21	+ 7	−12	+ 3	−41	0	−1.36
71537	14 37 54.27	−68 06 31.3	9.03	2 H		219.476 137 60	−68.108 691 66		0.67	−17.52	4.93	0.72	0.84	1.32	0.83	0.95	+24	−14	+10	− 1	+ 4	−29	+ 9	− 2	−18	+42	2	−0.75
71538	14 37 54.90	−48 01 24.7	6.65	H		219.478 744 75	−48.023 531 54		2.11	−17.33	−10.66	0.46	0.37	0.70	0.51	0.55	−34	−26	+12	− 1	+ 4	−17	+ 5	− 9	+14	−17	0	−0.68
71539	14 37 55.62	+37 24 23.1	8.61	H		219.481 767 89	+37.406 408 28		2.13	−18.50	20.31	0.58	0.66	0.94	0.76	0.76	+14	+12	−13	− 7	− 1	−19	− 6	− 6	−16	+ 7	1	0.47
71540	14 37 56.68	+15 41 14.0	9.34	H		219.486 169 29	+15.687 209 23		8.92	−66.89	−49.46	0.94	0.99	1.39	1.17	1.20	−42	+ 0	−24	+46	− 8	−12	−13	+22	−27	−43	0	−2.08
71541	14 37 57.12	+53 02 38.2	8.38	H		219.487 982 59	+53.043 933 66		12.67	−31.83	−27.89	0.62	0.62	0.75	0.67	0.70	+18	−23	−22	− 3	−15	+ 9	−15	−13	− 1	− 3	0	−1.13
71542	14 37 57.76	−34 28 54.3	9.95	H		219.490 679 04	−34.481 740 78		1.72	− 4.21	6.24	1.37	0.89	1.57	1.71	1.24	−20	−18	+ 2	+24	− 7	+23	− 8	+ 0	+12	− 8	0	0.61
71543	14 37 58.28	−68 05 35.3	10.05	H		219.492 824 51	−68.093 126 44		1.24	− 7.88	− 3.13	0.94	1.06	1.66	1.10	1.24	+29	− 3	+ 9	−11	+ 1	−31	+ 4	− 1	−16	+42	0	−0.45
71544	14 37 59.66	−23 09 51.6	7.54	1 H		219.498 585 93	−23.164 325 79		−0.39	− 5.73	− 6.64	0.76	0.51	0.87	0.90	0.68	−17	−33	−11	+28	+ 3	+ 2	− 4	−10	+ 5	−25	0	0.25
71545	14 37 59.86	+08 55 21.6	8.35	H		219.499 401 03	+08.922 662 13		1.58	2.53	− 4.95	0.90	0.87	1.19	0.95	0.92	−16	−22	−37	− 9	−27	+29	−20	− 6	− 5	−38	0	−0.16
71546	14 38 00.65	−54 30 40.3	8.01	H		219.502 692 44	−54.511 188 02		7.83	−77.89	−33.33	0.66	0.54	0.98	0.74	0.79	+ 3	−29	−25	+18	+20	−17	+10	−23	+30	− 8	0	−0.32
71547 H	14 38 00.70	−27 40 05.2	10.24	G		219.502 935 79	−27.668 106 04	*	2.35	−15.51	− 4.29	1.48	1.18	1.83	1.83	1.37	−26	−14	−21	+ 3	+ 6	− 7	+10	−40	+30	− 5	2	0.44
71548 H	14 38 00.77	+51 34 42.0	6.95	G		219.503 188 19	+51.578 337 25	A	11.67	−57.99	6.85	1.86	1.42	1.36	1.62	1.38	+10	−12	−10	−20	−12	+ 3	− 9	−11	+11	− 7	2	0.91
71549	14 38 01.14	+41 53 35.8	9.97	H		219.504 745 23	+41.893 290 59		1.01	23.27	−14.28	0.88	1.11	1.37	1.08	1.23	+19	+10	− 5	+ 7	+ 2	+23	+ 5	+24	−15	− 2	1	−1.33
71550 H	14 38 02.68	−79 59 45.3	7.88	H		219.511 151 70	−79.995 928 69	A	5.66	−14.88	− 8.95	2.09	1.66	1.33	1.27	1.25	+17	+ 0	− 1	−13	+ 6	− 6	− 1	− 7	+ 5	+24	3	−0.48
71551	14 38 03.41	−62 47 27.5	9.75	H		219.514 228 27	−62.790 965 25		6.14	−17.36	− 9.61	0.79	0.98	1.55	0.99	1.39	+ 4	−17	− 6	+47	+ 5	−26	+10	+19	−15	+18	0	1.05
71552	14 38 03.79	−48 48 35.8	8.24	H		219.515 810 59	−48.809 951 30		11.37	−46.96	−24.26	0.63	0.47	1.03	0.78	0.75	−15	−28	+ 6	+14	+ 5	−30	+ 5	−14	+24	− 9	1	0.26
71553	14 38 04.28	−09 44 16.4	7.64	H		219.517 843 06	−09.737 877 38		1.35	−12.51	5.77	0.83	0.78	0.91	1.01	0.93	−33	− 3	−29	+32	−22	+ 5	−21	+39	−18	−31	0	2.36
71554	14 38 04.77	+40 01 15.7	8.99	H		219.519 891 84	+40.021 030 34		4.54	− 2.18	−11.49	0.66	0.79	0.98	0.77	0.96	+10	− 4	−10	+ 0	− 9	− 5	− 9	+13	−17	+10	0	0.25
71555	14 38 05.43	−68 57 03.2	8.07	H		219.522 640 41	−68.950 899 39		3.20	−17.91	− 6.63	0.52	0.64	0.89	0.61	0.72	+20	−12	+18	+15	+12	−13	+15	+13	−11	+42	0	−1.29
71556	14 38 05.75	+12 48 13.6	8.28	H		219.523 976 50	+12.803 785 73		7.14	18.39	−69.42	0.95	1.05	1.39	1.13	1.02	−39	+ 4	−55	−26	+ 8	+ 8	+16	−36	+19	−45	0	−0.60
71557 H	14 38 06.62	−08 40 31.3	8.60	H		219.527 573 21	−08.675 350 86	A	8.08	27.76	−40.12	4.52	4.20	5.09	5.18	4.35	−36	−16	−34	+15	−11	+21	+ 7	+20	−17	−17	1	0.63
71558	14 38 06.90	−38 08 27.6	9.38	H		219.528 760 25	−38.141 012 41		13.26	−36.52	−15.55	2.98	2.26	3.59	3.18	3.83	−24	−22	−20	−10	+17	−12	+10	−30	+10	−45	0	
71559	14 38 07.13	−12 54 38.0	7.48	G		219.529 720 31	−12.910 558 55		16.82	−248.17	−52.28	0.92	0.64	0.98	1.06	0.77	− 5	−24	−26	+37	− 6	+17	− 4	+ 7	+15	− 6	0	−0.23
71560	14 38 07.67	−66 07 46.6	10.37	H		219.531 937 88	−66.129 619 74		−1.34	−11.25	− 5.16	0.94	1.31	1.91	1.04	1.68	+31	−16	− 2	− 2	+13	− 6	+17	+ 8	−18	+31	0	0.02
71561	14 38 07.77	−54 30 55.2	8.35	H		219.532 369 36	−54.515 333 33		−1.17	− 5.14	− 8.35	0.75	0.59	1.09	0.86	0.90	+ 6	−29	−22	+17	+15	−16	+ 4	−19	+34	− 5	1	0.06
71562	14 38 08.79	+14 42 05.3	10.04	H		219.536 642 13	+14.701 460 12		4.04	−41.35	−11.29	1.62	1.38	2.05	1.96	1.48	+ 3	− 8	−38	−22	−23	+23	−14	+ 6	−10	− 3	4	0.33
*71563	14 38 10.16	−62 43 03.8	8.76	2 H		219.542 316 96	−62.717 714 80		2.93	− 5.03	− 1.88	0.64	0.82	1.32	0.78	1.11	+11	−18	− 5	+41	+ 7	−25	+10	+18	−13	+23	0	−1.77
*71564	14 38 10.07	−85 17 37.1	8.65	H		219.541 974 35	−85.293 641 43		8.32	−48.54	−26.41	0.62	0.59	0.73	0.68	0.71	+ 9	−26	+ 6	+ 3	+ 3	+ 0	+ 1	+12	+ 4	+25	0	0.14
71565	14 38 11.27	+36 12 56.7	10.27	H		219.546 973 41	+36.215 748 17		6.09	−60.98	32.13	1.34	1.70	2.44	1.55	1.82	+ 6	− 3	−15	− 3	+ 1	− 7	+ 1	+ 3	−13	− 7	0	
71566	14 38 11.51	−13 04 23.0	8.78	G		219.547 970 39	−13.073 063 79		10.60	31.66	−290.46	1.15	0.72	1.19	1.28	0.95	+ 4	−34	−20	+29	− 5	+ 8	−11	+ 7	+23	− 2	0	−0.09
71567	14 38 11.81	−14 57 17.1	8.82	H		219.549 212 86	−14.954 739 33		1.77	−52.61	−12.21	1.22	0.81	1.30	1.38	0.97	− 5	−29	−22	+41	+ 2	−14	− 9	+ 8	+28	−15	0	0.81
71568	14 38 12.67	+43 38 31.4	5.74	1 H		219.552 799 62	+43.642 052 88		2.85	−102.95	31.79	0.41	0.42	0.54	0.56	0.46	− 1	− 5	−14	+18	+ 1	− 1	+ 1	+20	−17	−13	1	−0.10
71569	14 38 12.90	−47 22 57.1	8.46	H		219.553 738 45	−47.382 534 84		4.97	23.94	− 9.48	0.61	0.55	1.04	0.72	0.84	−35	−12	− 7	− 2	+17	−31	+16	−27	+36	−27	1	0.12
71570	14 38 13.45	−45 52 18.4	6.83	H		219.556 052 54	−45.871 787 55		6.89	51.21	−48.30	0.58	0.49	0.88	0.72	0.81	−23	−16	− 3	+14	+16	−22	+19	−35	+16	−22	0	0.26
71571	14 38 14.01	+18 17 54.7	5.90	H		219.558 355 02	+18.298 536 24		8.88	−29.10	−64.51	0.52	0.50	0.74	0.55	0.56	−42	+ 0	−18	+34	−11	+ 6	− 9	+34	−28	−60	1	2.66
71572	14 38 14.49	+14 01 45.2	8.26	H		219.560 389 97	+14.029 235 97		20.29	−11.04	−153.24	0.86	0.86	1.30	1.01	0.85	+ 6	−38	−52	−37	−32	+40	−10	+ 1	− 5	−19	0	0.24
71573	14 38 15.21	+54 01 24.2	5.83	H		219.563 354 68	+54.023 385 76		7.61	17.54	−19.04	0.45	0.47	0.53	0.44	0.50	+24	−19	−25	−20	−17	+ 3	−20	−27	+ 6	+ 7	0	−0.46
71574	14 38 15.61	+25 09 25.4	9.26	H		219.565 041 45	+25.157 042 51		2.87	−45.91	− 0.12	1.00	0.79	1.12	1.11	0.89	−12	−18	− 2	+ 6	+18	− 3	+19	−11	−10	−18	0	1.14
71575	14 38 15.88	+02 01 34.6	8.60	H		219.566 172 68	+02.026 271 82		3.83	−67.76	−11.09	1.08	0.96	1.36	1.21	1.15	−30	−21	−41	− 9	+29	−17	+15	−57	+37	−45	0	−0.22
71576	14 38 17.09	+36 43 33.1	7.68	H		219.571 221 79	+36.725 866 26		2.05	17.19	−28.80	0.55	0.63	0.96	0.68	0.71	+ 4	+ 9	−16	− 9	+ 4	−13	+ 1	+ 3	−19	−10	0	0.59
71577	14 38 17.68	−49 54 03.9	6.51	H		219.573 685 79	−49.901 092 89		4.22	−14.46	−13.65	0.54	0.41	0.78	0.55	0.63	−28	−39	+17	− 6	+ 8	−21	+14	−16	− 1	−29	0	1.34
71578	14 38 18.54	−50 49 35.5	10.45	H		219.577 258 20	−50.826 518 03		1.88	14.62	−14.67	1.47	0.98	2.07	1.83	1.70	−11	−35	+ 5	+17	+12	− 6	+17	−20	+10	+ 8	1	0.03
71579	14 38 18.66	+09 58 16.5	10.23	H		219.577 767 68	+09.971 236 36		2.88	−25.71	−10.39	1.60	1.42	2.06	1.86	1.69	−14	−21	−36	−14	−41	+42	−26	+15	−24	−45	0	−0.49
71580	14 38 19.23	−50 03 16.4	8.97	H		219.580 106 48	−50.054 562 31		1.28	− 2.12	− 3.23	0.88	0.58	1.27	0.99	1.00	−16	−35	+12	+10	+11	−14	+16	−24	+ 4	−10	0	1.26
71581	14 38 19.34	−38 47 38.9	6.04	H		219.580 567 42	−38.794 133 57		5.20	42.25	−20.85	0.63	0.46	0.85	0.78	0.86	−24	−16	−23	+22	− 3	+ 4	− 9	−14	+36	−31	0	−1.27
71582	14 38 19.74	+11 40 20.6	8.91	H		219.582 268 32	+11.672 379 18		9.76	−98.60	−49.74	1.22	0.91	1.38	1.28	0.95	− 9	−25	−27	−46	−22	+31	− 9	−12	−13	−29	0	1.39
71583	14 38 24.05	+51 48 03.6	9.06	H		219.600 195 04	+51.801 004 08		5.23	−23.52	−25.79	0.74	0.74	0.92	0.80	0.82	+15	−21	−19	−20	−15	+ 7	−13	−11	+ 6	−11	0	−0.37
71584	14 38 24.75	+04 51 15.4	8.61	H		219.603 127 65	+04.854 268 48		3.05	36.54	−31.65	1.19	1.10	1.51	1.46	1.33	−53	+12	−39	−31	+25	−21	+21	−46	+39	−56	0	0.79
71585	14 38 24.94	−35 16 35.2	6.78	G		219.603 929 80	−35.276 453 80		8.62	−52.96	−39.49	0.72	0.47	0.82	0.77	0.65	−11	−20	− 3	− 5	−12	− 2	−18	+ 1	+11	+ 5	0	1.10
71586	14 38 25.56	+28 55 46.7	9.78	H		219.606 511 60	+28.929 635 62		2.70	10.21	10.21	0.91	1.04	1.62	1.26	1.57	+ 2	−17	−29	−27	− 4	+ 7	− 1	−19	+22	−38	2	0.63
71587	14 38 27.17	+45 32 35.9	9.00	H		219.613 189 09	+45.543 316 99		1.03	0.57	−11.37	0.68	0.71	0.90	0.74	0.74	+ 9	+ 4	+ 5	− 7	−11	− 3	− 9	+19	− 7	+ 3	1	−0.84
71588	14 38 27.58	+19 51 22.3	8.07	H		219.614 911 11	+19.856 181 84		16.16	−46.95	8.37	0.71	0.67	0.96	0.78	0.73	−32	− 6	− 6	+29	− 2	−10	− 3	+25	−20	−46	2	1.65
71589	14 38 28.97	−03 36 39.7	7.11	2 H		219.620 727 56	−03.611 035 65		4.31	−17.96	−18.31	1.10	0.66	1.22	1.28	1.23	−25	−41	−17	+55	− 7	−35	−43	−11	+55	−63	0	2.52
71590	14 38 30.35	−39 55 52.6	8.19	H		219.626 448 98	−39.931 280 82		7.06	−75.64	−33.31	0.84	0.56	1.09	0.90	0.99	−13	−27	− 6	− 1	− 1	−18	−13	−25	+34	−16	0	−0.26
71591	14 38 30.93	−03 08 36.5	7.94	H		219.628 886 90	−03.143 469 22		2.99	− 2.06	0.66	1.12	0.65	1.18	1.22	1.11	−32	−35	− 7	+47	−17	−25	−43	− 7	+44	−59	0	0.17
71592	14 38 31.25	+20 11 00.7	10.55	H		219.630 205 58	+20.183 532 06		7.19	−50.96	−15.89	1.27	1.24	1.77	1.47	1.37	−26	+14	−19	+17	+15	−10	+11	+13	− 5	−39	0	1.58
71593 H	14 38 31.89	−31 55 03.3	8.56	G		219.632 871 48	−31.917 597 17	*	4.30	9.66	2.09	0.93	0.74	1.12	1.16	0.91	−27	−15	−17	+ 8	−13	+11	−10	− 7	+ 1	−25	0	1.95
71594	14 38 33.06	−48 23 47.0	8.41	H		219.637 768 80	−48.396 383 86		3.05	−0.03	− 6.18	0.72	0.52	1.10	0.94	0.86	−17	−23	+ 7	+19	+ 0	−20	− 2	+ 3	+30	+ 0	2	−0.09
71595	14 38 33.91	−65 53 56.6	9.87	H		219.641 289 77	−65.899 062 06		4.38	− 8.48	−11.60	0.77	1.11	1.64	0.83	1.38	+40	−13	− 9	− 9	+18	−12	+20	+10	−18	+48	2	1.76
71596	14 38 34.33	+48 35 00.3	9.48	H		219.643 053 42	+48.583 429 27		9.99	−23.29	−30.25	0.79	0.84	1.05	0.90	0.91	+13	− 9	−16	−10	− 7	− 1	− 5	+ 1	− 2	− 6	0	0.01
71597	14 38 34.41	+40 48 01.2	10.19	H		219.643 358 93	+40.800 338 56		5.14	−62.55	56.11	0

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
71501	11.288	0.068	9.846	0.031		1.216	0.059	T	1.18	0.06	L	9.9210	0.0023	0.021	118		9.89	9.95		C			1							
71502						0.012	0.015	G	0.04	0.05	L	5.8569	0.0249	0.306	97	–	5.67	6.87		D	14373−4608	I 2	1 C L C							G
71503	10.210	0.031	8.416	0.013		1.494	0.027	T	1.52	0.04	L	8.3669	0.0018	0.017	130		8.34	8.39					1 S							
71504						0.820	0.040	G	0.84	0.03	R	10.8685	0.0168			B				D	14374+1102	I 2	1 C I B							
71505	10.339	0.036	9.622	0.030	A	0.650	0.015	G	0.71	0.01	H	9.6864	0.0078	0.032	78	A	9.61	9.73		D	14374+1102	I 2	1 C P B							
71506	9.828	0.023	8.578	0.014		1.066	0.021	T	1.03	0.02	L	8.6517	0.0015	0.016	112		8.62	8.68		C			1							
71507	9.874	0.025	9.392	0.026		0.454	0.033	T	0.52	0.04	L	9.4581	0.0027	0.019	64		9.42	9.49		C			1							
71508	10.615	0.053	9.751	0.038		0.710	0.020	G	0.76	0.02	H	9.8167	0.0035	0.021	58		9.79	9.85		C			1							
71509	9.762	0.020	8.535	0.013		1.048	0.019	T	1.02	0.02	L	8.5887	0.0020	0.016	110		8.56	8.62					1							
71510	7.138	0.007	6.513	0.005		0.560	0.020	G	0.54	0.02	H	6.5540	0.0018	0.017	66		6.53	6.57		R	14375+0217	I 1	1							S
71511	8.821	0.012	8.320	0.012		0.471	0.015	T	0.54	0.02	L	8.3755	0.0012	0.013	109		8.35	8.40					1							S
71512	9.845	0.019	9.292	0.018		0.518	0.023	T	0.59	0.02	L	9.3477	0.0017	0.019	131		9.32	9.38		C			1							
71513	9.375	0.016	8.204	0.011		1.004	0.015	T	0.98	0.01	L	8.2560	0.0014	0.013	107		8.23	8.29		C			1							S
71514	10.354	0.029	9.823	0.028		0.498	0.036	T	0.57	0.04	L	9.9821	0.0023	0.024	122		9.94	10.02		C			1							
71515	9.923	0.031	8.842	0.021		0.950	0.002	G	1.00	0.00	I	8.8712	0.0025	0.013	54		8.85	8.89		C			1							
71516	10.094	0.033	9.265	0.026		0.721	0.005	G	0.77	0.01	H	9.3265	0.0018	0.015	61		9.31	9.35		C			1							
71517	11.656	0.115	10.578	0.069		0.880	0.020	G	0.89	0.01	H	10.6104	0.0038	0.030	67		10.56	10.69		C			1							
71518	8.107	0.008	7.719	0.008	*	0.397	0.003	G	0.46	0.00	H *	7.7467	0.0015	0.013	127	*	7.73	7.77		D	14376+3137	H 1	2 C S A	AB	305	0.139	0.006	0.42	0.39	S
71519	10.743	0.033	10.274	0.032		0.442	0.042	T	0.51	0.04	L	10.3555	0.0028	0.036	165		10.29	10.42					1 G							
71520	7.733	0.007	6.621	0.004		0.958	0.006	T	0.95	0.00	L	6.6762	0.0006	0.006	141		6.66	6.69		C			1							S
71521	8.593	0.009	7.337	0.006		1.071	0.008	T	1.04	0.01	L	7.3777	0.0007	0.008	170		7.36	7.39					1							S
71522	9.590	0.016	8.712	0.012		0.783	0.015	T	0.82	0.01	L	8.7841	0.0017	0.019	146		8.75	8.82					1							S
71523	10.534	0.042	9.994	0.041		0.506	0.053	T	0.58	0.06	L	10.0724	0.0017	0.018	100		10.02	10.12		D			1							
71524	9.247	0.017	7.911	0.010		1.133	0.015	T	1.10	0.02	L	7.9400	0.0013	0.011	76		7.92	7.96		C			1							S
71525	10.314	0.021	9.855	0.022	*	0.433	0.027	T	0.50	0.03	L *	9.8466	0.0019	0.028	211	*	9.80	9.90		D	14377−6312	H 1	2 C A	AB	10	0.779	0.030	2.51	0.11	G
71526	9.440	0.018	8.621	0.014		0.720	0.015	G	0.77	0.01	H	8.6940	0.0017	0.017	120		8.66	8.73		C			1							
71527	9.889	0.031	9.062	0.024		0.729	0.030	T	0.78	0.02	L	9.1050	0.0020	0.015	63		9.08	9.12		C			1							S
71528	10.682	0.059	10.024	0.052		0.646	0.003	G	0.71	0.00	H	10.0560	0.0025	0.020	64		10.02	10.08		C			1							
71529	8.537	0.010	8.101	0.010		0.407	0.015	G	0.47	0.02	H	8.1738	0.0033	0.027	121		8.12	8.21		U 2			1							S P
71530	6.644	0.004	6.101	0.003		0.506	0.012	G	0.58	0.02	A	6.1435	0.0010	0.010	167		6.13	6.16			14378−6756	I 1	1							S
71531	9.722	0.030	9.281	0.030	A	0.416	0.039	T	0.48	0.04	L	9.3629	0.0235	0.079	64	A	9.30	9.53		D	14378+1454	I 2	1 C P A							
71532	11.009	0.076	10.511	0.081	B	0.468	0.101	T	0.54	0.11	L	10.6322	0.0673			B				D	14378+1454	I 2	1 C I A							
71533	10.838	0.054	10.318	0.054		0.488	0.069	T	0.56	0.07	L	10.3148	0.0027	0.029	99		10.26	10.37		U			1							
71534	10.529	0.033	9.961	0.031		0.531	0.040	T	0.60	0.04	L	9.9914	0.0021	0.023	140		9.95	10.04		C			1							
71535	7.660	0.010	7.570	0.013		0.088	0.015	T	0.10	0.02	L	7.5811	0.0023	0.013	43		7.57	7.63					1							S
71536	3.859	0.002	4.020	0.002		−0.152	0.012	G	−0.16	0.02	A	3.9964	0.0005	0.006	178		3.98	4.01		M			1							S
71537	10.773	0.038	9.159	0.016		1.352	0.033	T	1.32	0.04	L	9.1873	0.0028	0.025	166		9.15	9.23		U			1 S							
71538	6.617	0.003	6.643	0.003		−0.010	0.019	G	0.00	0.02	A	6.6522	0.0007	0.009	216		6.64	6.67					1							S
71539	10.006	0.019	8.727	0.011		1.089	0.017	T	1.05	0.02	L	8.7828	0.0015	0.017	151		8.76	8.82		C			1							
71540	10.058	0.026	9.396	0.023		0.614	0.029	T	0.68	0.03	L	9.4736	0.0023	0.020	99		9.45	9.51		C			1							
71541	8.956	0.012	8.434	0.011		0.490	0.015	T	0.56	0.02	L	8.4840	0.0018	0.013	111		8.46	8.51					1							S
71542	11.085	0.060	10.013	0.039		0.919	0.056	T	0.92	0.04	L	10.0929	0.0032	0.022	84		10.05	10.14		C			1							G
71543	10.166	0.023	10.056	0.032		0.099	0.036	T	0.11	0.04	L	10.0871	0.0025	0.032	163		10.03	10.16		C			1 S							G
71544	9.678	0.021	7.740	0.009		1.608	0.018	T	1.63	0.02	L	7.6525	0.0020	0.016	88		7.63	7.68		U 2			1 G							S
71545	9.936	0.023	8.485	0.013		1.223	0.021	T	1.18	0.02	L	8.5126	0.0015	0.019	91		8.48	8.55		D			1							
71546	8.451	0.009	8.040	0.009		0.389	0.012	T	0.45	0.01	L	8.1032	0.0015	0.014	145		8.08	8.13		C	14381−5431	I 2	1							
71547	10.689	0.054	10.275	0.057	*	0.505	0.020	G	0.58	0.02	H *	10.3752	0.0018	0.021	74	*	10.34	10.43		D	14380−2740	H 1	2 C S B	AB	218	0.171	0.029	0.83	0.76	G
71548	7.512	0.007	7.038	0.007	*	0.468	0.015	G	0.54	0.02	H *	7.0598	0.0009	0.009	117	*	7.05	7.08		D	14380+5135	I 1	2 C A	AB	66	0.649	0.002	0.13	0.01	S
71549	11.133	0.053	10.018	0.030		0.961	0.047	T	0.95	0.04	L	10.1370	0.0036	0.027	133		10.07	10.19		C			1 S							
71550	8.145	0.009	7.915	0.008	*	0.219	0.011	T	0.24	0.01	L *	7.9482	0.0013	0.013	138	*	7.92	7.97		D	14380−8000	I 1	2 C A	AB	85	0.361	0.003	0.44	0.03	S
71551	10.202	0.021	9.793	0.023		0.387	0.029	T	0.45	0.03	L	9.8419	0.0024	0.027	176		9.80	9.90			14381−6247	I 1	1							G
71552	8.765	0.009	8.295	0.009		0.456	0.010	T	0.53	0.01	L	8.3414	0.0011	0.014	185		8.32	8.37		C			1							
71553	9.804	0.031	7.839	0.013		1.630	0.027	T	1.65	0.03	L	7.7531	0.0026	0.014	58		7.73	7.78					1							S
71554	10.357	0.025	9.072	0.014		1.093	0.022	T	1.05	0.02	L	9.1575	0.0021	0.024	145		9.12	9.20					1							
71555	8.057	0.007	8.058	0.008		0.004	0.010	T	0.02	0.01	L	8.0758	0.0015	0.016	170		8.05	8.10					1							
71556	9.483	0.025	8.393	0.017		0.942	0.023	T	0.93	0.02	L	8.4445	0.0023	0.012	65		8.43	8.47		C			1							S
71557	9.246	0.023	8.678	0.021	A	0.700	0.495	G	0.60	0.04	L *	8.7182	0.0019	0.013	48	*	8.70	8.75		D	14381−0841	I 1	2 C B	AB	141	1.333	0.074	2.25	0.18	S
71558	10.197	0.030	9.448	0.024		0.670	0.029	T	0.73	0.02	L	9.5122	0.0028	0.022	89		9.46	9.54		C			1 X							
71559	8.277	0.016	7.523	0.012		0.651	0.002	G	0.71	0.00	H	7.6066	0.0012	0.010	55		7.59	7.62		C			1							S
71560	10.759	0.031	10.374	0.037		0.364	0.045	T	0.43	0.05	L	10.4602	0.0029	0.040	243		10.38	10.52					1 S							G
71561	8.471	0.012	8.390	0.014		0.228	0.015	G	0.25	0.02	H	8.4142	0.0020	0.019	141		8.39	8.45			14381−5431	I 2	1							
71562	10.640	0.056	10.041	0.052		0.559	0.067	T	0.63	0.06	L	10.1567	0.0047	0.027	60		10.11	10.20		C			1							
71563	11.300	0.057	9.000	0.013		1.941	0.048	T	3.36	0.06	O	8.5409	0.0059	0.054	175		8.47	8.64		U 2			1 S							
71564	9.261	0.012	8.703	0.011		0.527	0.012	T	0.60	0.01	L	8.7606	0.0017	0.018	147		8.72	8.79		C			1							
71565	11.067	0.042	10.319	0.034		0.684	0.043	T	0.74	0.04	L	10.4065	0.0027	0.033	160		10.32	10.46					1 X							
71566	9.642	0.029	8.859	0.024		0.715	0.006	G	0.77	0.01	H	8.9145	0.0023	0.014	51		8.90	8.94		C			1							
71567	10.718	0.059	8.996	0.024		1.437	0.050	T	1.43	0.08	L	8.9601	0.0028	0.019	57		8.89	9.00					1							
71568	7.654	0.007	5.894	0.004		1.481	0.002	G	1.50	0.00	H	5.8645	0.0013	0.015	131		5.84	5.89		U 2			1							S
71569	8.950	0.010	8.506	0.010		0.433	0.011	T	0.50	0.01	L	8.5606	0.0013	0.018	205		8.53	8.59		C			1							
71570	8.326	0.009	6.961	0.005		1.167	0.032	G	1.14	0.02	A	6.9954	0.0009	0.009	145		6.98	7.01		C			1							S
71571	7.321	0.005	6.029	0.003		1.099	0.005	T	1.06	0.01	L	6.0691	0.0007	0.008	131		6.06	6.09					1							S
71572	9.130	0.018	8.352	0.015		0.707	0.018	T	0.76	0.01	L	8.4009	0.0016	0.011	74		8.39	8.43		C			1 G							S
71573	5.826	0.003	5.819	0.003		0.007	0.004	T	0.03	0.00	L	5.8369	0.0006	0.005	122		5.83	5.85		C			1							S
71574	10.046	0.028	9.345	0.023		0.646	0.030	T	0.71	0.03	L	9.4009	0.0027	0.019	81		9.37	9.43		C			1							
71575	10.129	0.036	8.712	0.020		1.197	0.032	T	1.16	0.03	L	8.7718	0.0026	0.015	77		8.75	8.79		C			1							
71576	9.621	0.017	7.866	0.008		1.463	0.015	T	1.47	0.02	L	7.8136	0.0016	0.015	141		7.79	7.85					1							S
71577	6.536	0.003	6.508	0.004		0.031	0.005	T	0.05	0.00	L	6.5225	0.0009	0.009	174		6.51	6.54			14383−4954	I 1	1 S							S
71578	11.106	0.046	10.486	0.043		0.577	0.055	T	0.65	0.05	L	10.5748	0.0035	0.038	164		10.51	10.63					1 S							G
71579	11.122	0.078	10.311	0.060		0.733	0.075	T	0.78	0.05	L	10.3766	0.0039	0.024	60		10.33	10.40		C			1							
71580	10.960	0.045	9.173	0.016		1.488	0.038	T	1.51	0.06	L	9.0936	0.0017	0.016	160		9.07	9.13		C			1							
71581	7.891	0.007	6.199	0.004		1.422	0.010	G	1.41	0.02	H	6.1766	0.0012	0.008	102		6.16	6.19					1							S
71582	9.484	0.021	8.945	0.020		0.505	0.026	T	0.58	0.03	L	9.0192	0.0021	0.015	64		8.99	9.04		C			1							S
71583	9.582	0.020	9.087	0.019		0.466	0.025	T	0.54	0.03	L	9.1675	0.0016	0.016	124		9.14	9.20					1							S
71584	9.881	0.026	8.709	0.016		1.005	0.024	T	0.98	0.02	L	8.7749	0.0017	0.018	76		8.74	8.80					1							S
71585	6.979	0.006	6.792	0.007		0.159	0.015	G	0.18	0.01	H	6.8348	0.0010	0.009	83		6.82	6.85			14384−3517	I 1	1							S
71586	10.359	0.024	9.838	0.023		0.489	0.030	T	0.56	0.03	L	9.8891	0.0026	0.032	163		9.82	9.94					1							
71587	9.140	0.012	8.991	0.014		0.143	0.017	T	0.16	0.02	L	9.0525	0.0015	0.020	133		9.02	9.09					1							
71588	8.673	0.010	8.140	0.010		0.500	0.013	T	0.57	0.01	L	8.1848	0.0019	0.013	109		8.16	8.21					1							S
71589	9.250	0.015	7.313	0.007		1.642	0.014	T	2.16	0.04	O	7.1690	0.0034	0.023	84		7.13	7.21		U 2			1							S
71590	8.945	0.013	8.260	0.011		0.633	0.014	T	0.70	0.01	L	8.3221	0.0017	0.013	122		8.30	8.35		C			1							S
71591	9.847	0.021	8.099	0.009		1.457	0.018	T	1.46	0.03	L	8.0723	0.0014	0.011	94		8.05	8.10		C			1							S
71592	11.271	0.069	10.589	0.062		0.574	0.072	G	0.65	0.07	R	10.6726	0.0033	0.029	98		10.64	10.74					1							G
71593	8.999	0.016	8.593	0.016	*	0.394	0.015	G	0.46	0.02	H *	8.6384	0.0021	0.016	72	*	8.61	8.66		D	14385−3155	H 1	2 C S A	AB	358	0.168	0.006	0.08	0.31	
71594	10.619	0.033	8.590	0.011		1.680	0.028	T	1.70	0.03	L	8.5188	0.0015	0.015	166		8.49	8.54		C			1							
71595	11.415	0.054	10.023	0.025		1.177	0.047	T	1.14	0.04	L	10.0365	0.0023	0.033	269		9.98	10.09					1							G
71596	10.149	0.027	9.547	0.025		0.561	0.032	T	0.63	0.03	L	9.5991	0.0028	0.021	114		9.56	9.63					1							
71597	10.822	0.043	10.218	0.039		0.563	0.051	T	0.64	0.05	L	10.3100	0.0030	0.030	129		10.25	10.37		C			1							
71598	10.169	0.024	8.540	0.012		1.363	0.021	T	1.33	0.02	L	8.5213	0.0015	0.015	120		8.49	8.54		C			1							
71599	9.287	0.015	8.782	0.015		0.475	0.019	T	0.55	0.02	L	8.8475	0.0014	0.018	120		8.81	8.88					1							S
71600	9.254	0.021	8.157	0.015		0.947	0.020	T	0.94	0.01	L	8.2008	0.0028	0.014	43		8.18	8.22		C			1 S							S

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%) δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
*71601	14 38 37.55	−77 36 59.1	8.94	H	219.656 471 14	−77.616 419 21	10.63	−27.07	−43.71	0.67	0.79	0.90	0.74	0.85	+25	−11	+14	+18	+23	+ 5	+21	+25	+ 7	+39	1	−0.74
*71602	14 38 37.55	+54 51 11.7	7.44	G	219.656 442 71	+54.853 242 94	15.21	−55.06	−9.00	0.52	0.58	0.62	0.63	0.70	+21	+ 1	−13	+ 2	−13	+10	−18	−26	− 4	+ 0	1	−0.58
71603	14 38 38.40	+23 56 17.0	9.33	H	219.659 994 80	+23.938 042 87	1.17	−10.21	−7.00	1.00	0.97	1.30	1.18	1.01	−20	−18	−31	+ 6	+ 1	−10	+ 1	+14	−15	−36	0	0.13
71604	14 38 39.44	+24 55 56.1	11.30	H	219.664 324 78	+24.932 259 50	−0.98	6.52	−23.38	2.07	1.68	2.36	2.23	1.91	−12	−22	− 8	+ 9	+12	− 6	+12	−19	− 9	−17	0	−2.35
71605	14 38 40.21	+30 00 53.9	7.55	H	219.667 540 27	+30.014 982 08	2.61	−10.91	4.77	0.63	0.61	0.93	0.77	0.77	− 1	−14	−25	−23	+ 0	+ 6	+ 1	−21	+ 8	−20	0	−0.59
71606	14 38 42.37	+08 34 03.2	10.92	H	219.676 536 38	+08.567 548 56	0.22	−30.13	−6.06	1.86	1.53	2.37	1.83	1.66	+ 3	−35	−32	−31	−29	+38	−26	−27	+ 8	−22	2	−0.42
71607	14 38 43.02	+65 51 58.3	7.81	H	219.679 240 30	+65.866 192 63	3.60	− 7.45	−15.61	0.55	0.70	0.70	0.59	0.84	+15	−25	−33	−16	+ 2	− 9	− 1	− 7	+13	−13	0	−0.37
71608	14 38 43.04	+14 18 15.2	8.85	H	219.679 327 97	+14.304 209 49	2.88	6.44	− 4.68	1.06	0.96	1.54	1.20	0.91	+16	−46	−50	−34	−41	+51	−10	+17	−18	−16	0	0.66
71609	14 38 43.26	−38 33 15.4	9.36	H	219.680 256 32	−38.554 272 04	8.53	−60.62	0.02	1.07	0.76	1.38	1.29	1.66	−27	−27	−13	+10	+ 2	− 7	−11	−15	+25	−51	0	−0.66
71610	14 38 44.03	−68 04 42.3	9.31	H	219.683 472 48	−68.078 426 52	4.45	−23.05	3.49	0.74	0.85	1.35	0.85	0.98	+24	− 8	+11	−11	+ 3	−31	+ 7	− 6	−19	+39	1	−0.82
71611	14 38 44.84	+45 19 51.3	8.51	H	219.686 851 94	+45.330 914 50	7.91	− 6.92	−13.50	0.59	0.56	0.76	0.66	0.61	+ 5	− 3	−16	− 1	− 4	+ 0	− 3	+11	− 8	− 4	0	0.48
71612	14 38 45.80	+28 09 24.9	8.41	H	219.690 829 90	+28.156 904 95	5.58	−27.89	19.41	0.72	0.63	1.08	0.75	0.92	+ 3	+24	− 3	−43	+ 0	−25	+11	−22	+29	−48	0	−0.43
71613	14 38 46.86	−66 07 52.3	8.89	H	219.695 251 58	−66.131 193 89	0.19	− 6.61	− 7.30	0.58	0.83	1.20	0.65	1.04	+38	−13	− 7	+ 3	+16	−12	+19	+16	−18	+37	2	0.38
71614	14 38 46.89	−19 56 29.4	8.68	H	219.695 365 36	−19.941 509 49	7.88	21.24	1.22	1.01	0.71	1.23	1.29	0.90	−29	−14	−34	+18	−27	+18	−24	+ 8	+12	−20	2	0.88
*71615	14 38 48.09	+07 54 41.1	8.73	H	219.700 386 64	+07.911 427 27	2.40	− 0.26	−89.83	0.99	0.72	1.18	1.02	0.77	+ 6	−23	−24	−32	−39	+39	−37	−15	+ 6	− 7	0	0.56
*71616	14 38 48.07	+60 02 15.7	8.95	H	219.700 304 74	+60.037 694 80	4.06	−27.91	1.51	0.70	0.74	0.80	0.83	0.80	+22	−10	− 6	− 7	− 3	− 4	− 3	−11	−10	+13	1	−1.50
71617	14 38 48.58	−43 00 03.0	7.61	H	219.702 409 13	−43.000 837 35	4.86	−26.89	−18.19	0.85	0.52	1.06	0.73	0.85	− 8	−40	−16	− 7	+22	−12	+13	−41	+10	−35	0	−2.53
71618	14 38 50.28	+44 24 16.4	5.39	H	219.709 507 26	+44.404 545 03	16.56	−68.43	−18.43	0.42	0.40	0.55	0.55	0.44	+ 2	− 3	−16	+10	− 2	+ 7	+ 1	+21	−17	−20	0	0.89
71619 H	14 38 50.89	−22 32 33.0	8.89	G	219.712 041 32	−22.542 513 66	A 19.24	−13.06	−174.32	1.72	1.11	1.61	1.70	1.16	−29	−12	+ 3	+ 3	−19	+ 1	−11	−17	+10	+ 3	1	−0.47
71620 H	14 38 54.54	−59 09 41.4	8.75	H	219.727 258 62	−59.161 509 28	A 7.60	− 4.23	−53.01	1.86	1.38	1.61	1.76	1.32	−23	− 5	+19	+27	+ 2	+ 1	+10	+30	+15	+54	2	1.10
71621 H	14 38 54.63	−22 19 42.0	7.37	H	219.727 619 16	−22.328 337 28	A 4.17	−26.92	− 5.48	1.70	1.28	1.77	1.74	1.35	−10	−11	−12	− 8	−11	+ 1	− 7	−35	+13	+ 4	1	0.58
71622	14 38 54.72	−62 56 32.3	9.22	H	219.727 991 12	−62.942 293 00	1.93	− 4.42	− 7.77	0.75	0.92	1.43	0.95	1.28	+14	−18	−12	+55	+ 9	−22	+16	+12	−17	+29	1	−0.98
71623	14 38 55.10	+60 43 02.0	8.42	G	219.729 601 89	+60.717 234 12	7.62	−54.43	−29.20	0.61	0.59	0.70	0.65	0.65	+14	−14	−12	−24	− 2	−14	+ 1	+ 6	−21	+ 8	0	−0.52
71624	14 38 55.83	+79 47 14.7	7.29	1 H	219.732 638 75	+79.787 409 91	2.78	1.05	− 0.65	0.57	0.51	0.59	0.63	0.58	−10	+ 1	−20	−23	+ 8	− 8	+10	+ 7	+ 1	−22	0	1.02
71625	14 38 55.98	−35 36 00.4	7.43	H	219.733 239 81	−35.600 110 03	19.57	−31.99	−212.31	0.76	0.50	0.86	0.73	0.67	−10	−20	− 4	−12	−10	− 8	−17	− 1	+ 9	− 7	0	−0.25
71626	14 38 56.13	−23 18 42.0	7.82	H	219.733 895 66	−23.311 668 01	2.00	−24.98	− 3.58	0.76	0.56	0.87	0.86	0.65	−31	−26	− 2	+10	− 3	+ 8	− 2	−14	+20	−10	4	0.48
71627	14 38 57.80	+72 17 24.7	8.05	G	219.740 821 42	+72.290 195 94	7.49	6.92	−28.16	0.62	0.70	0.73	0.89	0.83	+ 1	+ 6	−36	+21	− 7	+ 6	− 5	+ 6	+ 1	− 4	0	0.00
71628	14 38 59.54	−00 19 56.5	9.66	G	219.748 076 21	−00.332 360 40	6.96	−28.30	− 3.17	1.62	0.94	1.75	2.03	1.26	−19	−25	− 8	+16	−33	+22	−34	−15	+25	− 4	0	−1.67
71629	14 38 59.68	−59 08 26.8	6.53	H	219.748 674 39	−59.140 788 62	15.93	−90.82	−105.81	0.57	0.47	0.71	0.81	0.59	+16	− 1	+ 3	+42	+ 4	+ 1	+ 9	+35	+ 2	+46	0	0.91
71630	14 39 00.09	−05 47 13.3	7.78	H	219.750 359 19	−05.787 028 64	6.04	− 9.79	−25.74	0.92	0.87	1.17	1.06	1.12	−10	− 9	−48	+37	+ 7	− 8	+ 2	+ 3	+28	−36	0	0.15
71631	14 39 00.40	+64 17 30.1	7.60	1 H	219.751 658 26	+64.291 684 01	29.46	−138.61	−11.92	0.52	0.59	0.61	0.61	0.68	+ 6	+ 2	−20	−19	− 7	−10	+ 0	+13	− 4	−23	3	0.11
71632	14 39 00.42	−10 33 17.3	6.73	G	219.751 730 31	−10.554 804 99	4.05	−15.56	12.66	0.78	0.64	0.94	0.89	0.70	− 5	−28	−44	+15	−26	+25	−14	+29	−12	−25	0	−0.68
71633	14 39 04.70	−54 20 41.8	8.37	H	219.769 590 67	−54.344 933 79	5.19	−11.22	−15.33	1.24	0.98	1.78	1.42	1.63	− 9	−25	−15	− 5	+26	−20	+23	−40	+22	−19	0	
71634	14 39 04.82	+00 49 39.5	10.66	H	219.770 094 25	+00.827 638 80	2.03	33.68	−37.64	1.93	1.50	2.16	2.67	1.79	−37	− 9	−13	+ 2	+ 7	− 8	+14	−39	+ 9	−16	0	1.29
71635	14 39 08.14	+17 01 13.5	9.17	H	219.783 932 22	+17.020 428 44	10.46	26.57	−26.28	0.81	0.94	1.33	0.97	1.07	−37	− 6	−29	+20	+ 6	−12	+ 1	+ 3	−10	−48	2	1.83
*71636	14 39 09.69	−55 42 09.4	10.11	H	219.790 370 04	−55.702 610 67	B −7.00	16.01	− 7.67	10.71	8.80	5.88	9.08	9.70	− 2	−28	+ 1	+ 8	+16	−17	+21	−20	− 1	− 5	3	1.55
*71637	14 39 09.19	−41 20 57.9	9.74	H	219.788 281 60	−41.349 415 31	12.50	−63.14	−28.53	1.53	0.81	1.84	2.00	1.69	− 7	−18	− 8	− 5	− 9	−24	−17	−30	+39	+ 3	0	−1.64
*71638	14 39 11.13	−55 42 10.7	9.28	H	219.796 382 56	−55.702 979 48	A 0.36	− 4.81	−19.53	3.14	2.69	3.62	3.25	3.64	+ 1	−28	− 4	+ 2	+17	−20	+17	−23	+ 5	−12	3	1.55
*71639	14 39 11.01	−46 35 02.2	6.06	G	219.795 894 11	−46.583 955 97	27.76	−198.09	−215.82	0.48	0.44	0.76	0.58	0.68	−29	−25	− 6	+17	+13	−30	+14	−26	+16	−24	0	−0.81
71640	14 39 12.88	−41 57 01.4	8.90	H	219.803 669 32	−41.950 387 50	13.99	− 43.14	−15.89	1.18	0.70	1.40	1.63	1.42	− 3	−13	− 5	+13	− 7	−16	−16	− 8	+36	−14	0	0.64
71641	14 39 13.06	+39 33 32.1	11.50	H	219.804 406 49	+39.558 921 18	3.63	−106.75	−74.01	1.73	2.20	2.53	1.82	2.51	+28	− 4	− 3	+ 9	− 9	− 2	−12	− 5	− 2	+17	6	3.77
71642	14 39 15.57	−34 47 46.7	9.82	2 H	219.814 879 60	−34.796 308 82	3.14	−31.86	20.70	1.46	0.87	1.63	1.84	1.40	−10	−33	− 4	−11	−12	+12	−16	−15	+12	+ 7	0	−0.49
71643	14 39 15.85	+02 28 45.0	9.27	H	219.816 043 40	+02.479 172 63	2.91	−21.67	−11.32	1.31	1.17	1.75	1.51	1.43	−23	−19	−44	− 3	+17	−17	+ 2	−51	+42	−37	0	−0.96
71644	14 39 15.85	+32 32 22.3	8.30	2 H	219.816 047 77	+32.539 527 06	2.54	14.54	− 4.34	0.52	0.71	0.98	0.81	0.85	+ 8	− 7	−16	+22	+ 6	−18	+ 3	− 2	− 4	+ 4	0	−0.40
71645	14 39 15.92	−64 24 55.6	9.05	H	219.816 328 94	−64.415 453 83	9.53	−113.27	−71.98	0.81	0.90	1.33	1.06	1.20	+31	− 8	+ 0	+31	+16	−19	+22	+15	−18	+56	0	1.39
71646	14 39 16.03	−11 35 40.7	8.52	H	219.816 783 98	−11.594 627 30	−0.20	10.56	−28.28	1.22	0.85	1.28	1.41	0.98	+10	−27	−44	+46	− 5	+18	+ 7	+29	− 8	− 1	0	−0.41
71647	14 39 16.39	−33 22 42.5	7.68	H	219.818 308 32	−33.378 483 75	6.09	− 3.81	− 5.04	0.84	0.52	0.97	1.02	0.68	−19	− 1	−13	+25	− 9	+36	− 4	− 7	− 4	−18	2	3.15
71648	14 39 16.43	−36 13 51.0	8.15	H	219.818 473 48	−36.230 827 79	4.21	9.27	− 4.53	0.93	0.61	1.13	0.93	0.94	−18	−15	−22	− 4	− 4	− 3	−12	−10	+16	−25	4	−0.17
71649	14 39 18.35	+31 06 32.8	8.95	H	219.826 470 52	+31.109 107 15	1.36	−14.33	−40.06	0.90	0.91	1.43	1.31	1.15	+13	−28	−30	+ 4	+ 8	−30	−15	−35	+26	−34	0	−0.71
71650	14 39 18.66	−59 55 16.8	9.09	H	219.827 757 54	−59.921 337 66	0.22	− 4.11	− 6.01	0.94	0.73	1.20	1.04	0.84	+29	−30	− 4	+38	+ 7	− 3	+ 5	+39	+ 7	+49	1	0.54
71651 H	14 39 19.42	+26 48 23.8	8.53	H	219.830 912 69	+26.806 603 35	A 5.25	−12.04	−16.41	1.27	1.01	1.59	1.34	1.22	+ 1	−26	−35	− 1	− 9	+ 3	− 1	+20	− 9	−54	1	−0.68
71652	14 39 21.99	−25 01 42.8	7.18	H	219.841 643 50	−25.028 555 75	4.98	25.06	−24.61	0.76	0.54	0.88	0.75	0.64	−16	−36	−12	+ 5	− 4	− 3	− 8	− 8	+11	−18	0	−0.11
71653	14 39 22.91	+64 09 14.0	7.55	H	219.845 439 91	+64.153 887 21	9.25	−53.33	14.56	0.58	0.57	0.59	0.75	0.65	−11	− 6	−19	−37	+18	+ 5	+22	− 8	−11	−38	1	1.42
71654	14 39 23.08	−17 53 16.7	8.42	H	219.846 158 89	−17.887 976 07	12.15	−59.14	−39.06	0.97	0.69	1.16	1.26	0.98	−43	−13	−18	+28	−20	+17	−17	+ 1	+22	−31	0	−0.58
71655	14 39 24.23	+48 41 17.8	9.39	H	219.850 953 28	+48.688 277 93	−0.41	− 4.52	−16.10	0.76	0.78	0.98	0.88	0.83	+14	− 9	−16	−14	− 9	+ 1	− 5	+ 1	− 6	−11	0	−0.55
71656	14 39 24.33	+53 26 24.5	7.13	H	219.851 375 14	+53.440 140 71	2.92	−40.59	−19.65	0.50	0.51	0.62	0.50	0.57	+27	−25	−24	−16	−15	− 1	−19	−21	+10	+ 5	1	−1.42
*71657	14 39 24.67	+36 30 37.9	8.54	H	219.852 782 60	+36.510 539 02	12.25	− 8.76	− 7.31	0.64	0.72	1.10	0.75	0.79	+ 9	+10	− 9	− 4	+ 5	−11	+ 2	+ 8	−29	− 5	2	1.69
*71658	14 39 24.64	−49 03 18.1	6.37	H	219.852 676 55	−49.055 015 16	17.91	−189.07	−125.21	0.48	0.40	0.72	0.51	0.60	−14	−32	− 5	+ 2	− 2	−28	− 8	+ 0	+ 8	−26	0	0.02
71659	14 39 25.51	−44 03 00.7	8.73	H	219.856 302 61	−44.050 203 63	6.78	−13.78	4.86	0.99	0.64	1.18	1.23	1.13	−11	−19	−14	−30	+13	− 3	+12	−49	+12	−15	0	−0.08
71660	14 39 25.69	−52 45 03.0	7.97	H	219.857 055 40	−52.750 823 57	3.55	− 9.11	32.75	0.67	0.53	0.94	0.81	0.88	−10	−25	+ 7	+19	+17	− 3	+15	−15	+11	−18	1	−1.25
71661	14 39 26.47	−70 17 24.1	8.49	H	219.860 274 27	−70.290 040 63	1.79	− 8.28	− 8.92	0.61	0.74	0.98	0.73	0.90	+11	−15	+ 9	+11	+ 3	−17	+ 1	+32	− 4	+28	0	−0.35
71662	14 39 27.57	+15 23 51.4	10.14	H	219.864 892 51	+15.397 615 19	6.23	1.13	1.60	1.37	1.40	1.85	1.91	1.63	−21	+ 6	−40	−10	−17	+22	−10	+20	−20	−20	0	0.34
71663	14 39 27.95	+01 20 58.7	9.66	H	219.866 457 18	+01.349 639 48	2.94	−17.92	−11.66	1.62	1.34	1.82	2.08	1.53	−51	+23	−43	− 7	+25	− 2	+40	−61	+37	−28	0	0.67
71664	14 39 28.33	−00 14 55.9	9.09	G	219.868 040 39	−00.248 869 60	12.44	−84.01	−47.03	1.39	0.82	1.52	1.68	1.14	−16	−34	− 8	+ 8	−30	+14	−36	−21	+32	− 7	0	−0.14
71665	14 39 28.33	−31 39 36.0	9.07	2 H	219.868 041 40	−31.659 996 60	0.63	2.76	− 1.16	1.18	0.85	1.52	1.58	1.27	−32	−24	−25	+24	−16	−15	−29	− 9	+39	−46	0	0.69
71666	14 39 28.84	−51 09 28.8	9.30	1 H	219.870 180 11	−51.158 002 68	0.87	− 2.54	− 1.31	0.85	0.67	1.19	1.00	1.04	−18	−30	+11	+15	+12	− 6	+18	−12	+ 1	− 7	0	0.91
71667	14 39 31.26	+19 25 43.5	10.11	G	219.880 229 57	+19.428 742 23	−0.75	− 8.83	4.88	0.99	1.00	1.44	1.12	1.09	−30	−14	−23	+23	+ 8	−11	+ 8	+27	−27	−48	0	−0.14
71668 H	14 39 31.67	−68 12 12.1	6.73	2 G	219.881 968 65	−68.203 373 23	A 1.09	− 4.87	− 5.63	0.63	0.72	0.95	0.65	0.77	+22	+ 2	+14	+ 5	+ 7	−23	+16	− 7	+ 7	+46	2	2.02
71669	14 39 33.98	+51 00 24.5	8.51	H	219.891 572 03	+51.006 812 63	8.26	1.97	11.82	0.62	0.68	0.82	0.75	0.76	+16	−12	−27	+ 8	−16	+12	−23	−22	+ 0	−22	1	0.84
71670	14 39 35.10	+07 24 26.8	9.01	H	219.896 230 81	+07.407 430 99	2.26	10.81	− 8.20	0.97	0.90	1.17	1.04	0.99	−39	− 8	−19	+14	−22	+20	−19	+11	−10	−43	2	−0.56
71671	14 39 36.66	−46 17 57.9	8.08	H	219.902 746 15	−46.299 408 68	2.14	6.07	−12.63	0.67	0.58	0.98	0.84	0.92	−27	−22	− 5	+ 3	+24	−28	+27	−45	+ 4	−25	0	−0.66
71672	14 39 36.73	−39 33 53.3	7.47	H	219.903 035 47	−39.564 807 49	6.13	−36.55	−13.77	0.74	0.51	0.96	0.80	0.93	−19	−26	−14	+ 3	+ 4	−20	− 9	−26	+32	−29	0	−0.34
71673	14 39 36.80	−01 12 27.7	10.21	G	219.903 332 61	−01.207 686 34	16.33	42.78	−333.02	1.67	0.92	1.62	1.88	1.24	−35	− 7	− 2	+49	−22	+12	−23	−21	+19	−29	0	0.14
71674	14 39 36.94	−65 49 27.7	9.94	H	219.903 898 25	−65.824 373 50	−1.38	− 5.74	− 8.54	0.77	1.12	1.62	0.84	1.46	+36	−25	−13	−12	+13	− 3	+18	+15	−17	+39	2	0.72
71675	14 39 36.98	+67 11 44.7	9.09	H	219.904 080 95	+67.195 744 49	4.44	13.06	0.50	0.67	0.76	0.80	0.68	0.88	+ 1	−20	−27	−25	− 5	− 2	− 6	− 7	+ 0	− 9	0	−0.01
71676	14 39 37.02	+55 42 08.2	8.77	H	219.904 233 98	+55.702 279 79	4.57	4.08	−43.44	0.69	0.71	0.78	0.80	0.83	+27	−10	−14	− 2	−15	+ 7	−17	−18	+ 4	+14	0	1.60
71677	14 39 38.70	−64 42 49.2	7.29	H	219.911 264 15	−64.713 667 15	6.76	−28.25	−30.61	0.49	0.56	0.82	0.63	0.73	+27	−16	− 5	+12	+21	−12	+20	+16	−14	+58	1	1.22
71678	14 39 39.01	−63 32 43.6	7.61	H	219.912 543 88	−63.545 455 26	2.30	12.76	12.62	0.53	0.73	1.03	0.69	0.97	+15	− 5	− 6	+26	+ 6	− 3	+ 7	+26	−16	+31	0	−1.02
*71679	14 39 39.74	+66 20 48.5	7.38	H	219.915 589 01	+66.346 810 74	18.87	−28.42	−22.64	0.52	0.61	0.65	0.54	0.72	+ 7	−25	−26	−17	+ 2	−12	− 1	− 6	+13	−20	0	−1.73
*71680	14 39 39.72	−16 35 22.9	8.50	H	219.915 491 45	−16.589 705 03	3.75	− 8.47	− 6.24	1.03	0.78	1.16	1.20	0.98	− 8	−17	−28	+15	+ 2	+ 8	− 1	−20	+21	−18	0	−1.95
*71681	14 39 39.39	−60 50 22.1	1.35	G	219.914 128 33	−60.839 471 39	B 742.12	−3600.35	952.11	46.20	36.28	1.40	26.10	19.75	+29	− 7	− 1	− 3	− 6	− 4	− 6	− 1	−13	+47	1	−3.09
*71682	14 39 40.93	−26 43 25.1	6.99	G	219.920 535 87	−26.723 629 03	25.06	45.02	−21.70	0.78	0.60	0.92	1.08	0.83	−29	− 3	− 1	− 4	−12	+ 2	−12	−21	+ 3	−27	0	1.27
*71683	14 39 40.90	−60 50 06.5	−0.01	G	219.920 410 34	−60.835 147 07	A 742.12	−3678.19	481.84	1.42	1.08	1.40	1.51	1.24	+29	−31	−16	+15	+ 5	− 9	+ 0	+14	+ 9	+45	1	−3.09
71684	14 39 41.67	−13 58 52.2	9.12	H	219.923 643 44	−13.981 163 86	11.98	51.94	−35.10	1.25	0.90	1.38	1.71	1.11	−16	−32	−16	+32	− 9	−13	−16	+21	+22	− 4	0	0.35
71685	14 39 44.55	−09 56 59.5	9.37	G	219.935 632 99	−09.949 873 33	10.98	−218.09	2.77	1.27	1.09	1.43	1.34	1.25	−38	−27	−20	+32	−20	+ 7	−11	+22	−24	−44	0	2.65
71686 H	14 39 47.01	−26 41 52.7	9.79	G	219.945 858 78	−26.697 970 68	C 25.11	30.30	−36.74	2.68	1.82	2.43	2.85	2.08	−25	− 4	+ 0	− 8	−12	+ 0	− 8	−31	+ 6	−22	1	0.18
71687	14 39 47.07	+22 10 52.9	8.70	H	219.946 120 13	+22.181 366 57	3.64	−17.98	− 5.77	0.77	0.70	0.98	0.89	0.77	−18	+ 1	−25	+15	− 7	+12	− 4	+32	−26	−28	0	1.05
71688	14 39 50.78	−28 38 33.8	9.71	G	219.961 579 15	−28.642 709 20	7.67	−20.97	− 5.20	1.50	0.95	1.69	2.13	1.25	−11	− 2	−25	−30	− 6	−16	− 5	−49	+30	+17	0	0.06
71689 H	14 39 51.57	−21 40 21.9	8.34	H	219.964 883 34	−21.672 749 05	A 2.45	− 8.59	− 2.73	1.58	1.19	1.45	1.54	1.33	−40	− 7	−25	+ 9	+ 2	+24	+ 2	−31	+22	−40	1	−1.12
71690	14 39 52.01	+63 17 00.8	9.46	H	219.966 714 42	+63.283 561 11	2.30	− 3.29	−23.86	0.74	0.82	0.86	0.85	0.92	+ 1	−13	− 6	− 1	− 5	− 3	+ 0	+19	− 6	+19	0	1.73
71691	14 39 53.09	+69 50 10.1	8.24	H	219.971 211 15	+69.836 143 45	1.97	3.10	11.04	0.64	0.70	0.76	0.77	0.71	+10	− 4	−39	− 3	−13	+ 8	− 9	+ 8	− 7	− 3	3	2.13
71692	14 39 55.43	−36 44 13.4	8.98	H	219.980 957 68	−36.737 044 21	4.99	−32.97	−14.51	1.10	0.67	1.33	1.11	1.00	−19	−24	−16	−13	+ 2	+ 4	− 3	−28	+33	+ 1	2	0.94
71693 H	14 39 57.30	−53 00 05.2	8.27	H	219.988 768 23	−53.001 431 81	A 13.60	48.40	23.81	2.77	1.90	1.44	1.15	1.35	−33	−18	+ 3	+13	+ 5	−15	− 2	−10	+11	−17	1	−0.45
71694	14 39 58.00	−43 26 45.8	8.24	H	219.991 669 05	−43.446 059 36	2.10	−18.16	− 1.90	0.85	0.58	1.03	0.85	0.90	+ 3	−27	−25	−24	+10	−12	− 1	−37	+20	−26	0	−0.34
71695	14 39 58.48	+10 49 43.0	10.13	2 H	219.993 676 39	+10.828 622 33	−0.35	6.01	− 8.18	1.66	1.44	2.15	1.90	1.58	−10	−20	−32	−39	−20	+33	−13	−33	+ 6	−23	0	0.01
71696	14 39 58.98	−51 38 41.1	9.58	H	219.995 749 65	−51.644 760 58	8.01	−136.18	−55.87	0.93	0.70	1.29	1.20	1.21	−11	−16	+16	+18	+16	+ 0	+24	−29	− 7	− 2	5	1.00
71697	14 39 59.20	−27 08 02.6	7.13	H	219.996 686 41	−27.134 050 97	11.11	91.28	−86.32	0.82	0.62	0.95	1.11	0.91	−33	−16	− 5	+ 9	−11	+ 1	−13	− 8	+ 7	−34	0	−1.54
71698	14 39 59.48	+38 06 37.6	7.57	H	219.997 843 77	+38.110 451 60	1.68	−34.38	7.12	0.49	0.55	0.77	0.59	0.65	+ 9	+13	+ 8	−17	+ 9	−22	+ 8	− 6	−22	+11	1

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
71601	9.556	0.015	8.975	0.014		0.545	0.015	T	0.62	0.01	L	9.0617	0.0016	0.020	155		9.03	9.09					1							
71602	7.947	0.008	7.498	0.008		0.453	0.015	G	0.52	0.02	H	7.5328	0.0010	0.008	106		7.52	7.55					1							S
71603	11.472	0.088	9.511	0.026		1.662	0.076	T	1.77	0.18	O	9.4322	0.0024	0.021	96		9.38	9.47					1							
71604	12.397	0.239	11.518	0.177		1.068	0.197	G	1.03	0.16	K	11.4695	0.0055	0.045	72		11.39	11.55					1							G
71605	8.996	0.012	7.684	0.007		1.114	0.011	T	1.08	0.01	L	7.7224	0.0013	0.012	128		7.70	7.75					1							S
71606						0.625	0.126	G	0.69	0.11	R	11.0474	0.0060	0.044	77		10.99	11.11					1							G
71607	9.487	0.021	7.925	0.011		1.311	0.019	T	1.27	0.02	L	7.9620	0.0007	0.011	105		7.94	7.98		D			1							S
71608	9.125	0.017	8.871	0.019		0.225	0.015	G	0.25	0.02	H	8.9185	0.0023	0.015	64		8.88	8.94		C			1							S
71609	9.973	0.027	9.416	0.025		0.527	0.027	T	0.60	0.03	L	9.4709	0.0025	0.021	101		9.43	9.50					1							
71610	11.002	0.045	9.425	0.018		1.322	0.038	T	1.28	0.04	L	9.4673	0.0022	0.024	161		9.43	9.50					1							
71611	9.123	0.012	8.550	0.011		0.536	0.014	T	0.61	0.01	L	8.6231	0.0013	0.014	134		8.60	8.65		C			1							S
71612	8.769	0.009	8.448	0.010		0.315	0.001	G	0.36	0.00	H	8.4909	0.0015	0.016	157		8.46	8.52		C			1							S
71613	8.986	0.009	8.880	0.011		0.103	0.013	T	0.12	0.01	L	8.9263	0.0015	0.023	246		8.89	8.96					1							
71614	9.086	0.017	8.732	0.018		0.344	0.022	T	0.40	0.03	L	8.7562	0.0018	0.014	76		8.74	8.79		C			1							
71615	8.676	0.016	8.725	0.021		−0.038	0.015	G	−0.02	0.01	H	8.7305	0.0020	0.012	78		8.71	8.75		C			1							S
71616	9.513	0.019	8.997	0.018		0.485	0.024	T	0.56	0.03	L	9.0625	0.0014	0.015	107		9.03	9.10		C			1							S
71617	8.843	0.010	7.714	0.007		0.972	0.010	T	0.96	0.01	L	7.7704	0.0009	0.011	136		7.75	7.79					1							S
71618	5.431	0.003	5.398	0.002		0.030	0.003	T	0.05	0.00	L	5.4092	0.0005	0.006	134		5.40	5.42					1							S
71619	9.831	0.027	9.008	0.021	*	0.770	0.002	G	0.81	0.00	H	* 9.0277	0.0023	0.014	75	*	9.00	9.05		C	14388−2233	H 1	2 C	B	AB	100	0.647	0.067	3.61	0.20	
71620	9.468	0.017	8.825	0.015	*	0.597	0.020	T	0.67	0.02	L	* 8.8820	0.0018	0.017	133	*	8.85	8.93		D	14389−5910	H 1	2 C	D	AB	299	0.335	0.046	3.08	0.34	D
71621	7.645	0.012	7.431	0.013	*	0.198	0.018	T	0.22	0.02	L	* 7.4304	0.0010	0.007	78	*	7.42	7.44		D	14389−2220	I 1	2 C	A	AB	115	0.850	0.002	0.43	0.01	S
71622	9.412	0.012	9.283	0.015		0.125	0.018	T	0.14	0.02	L	9.2716	0.0019	0.026	190		9.23	9.33					1							
71623	8.928	0.012	8.465	0.012		0.471	0.015	G	0.54	0.02	H	8.5200	0.0016	0.013	114		8.50	8.54					1							S
71624	9.394	0.015	7.460	0.007		1.605	0.013	T	1.62	0.01	L	7.4002	0.0014	0.013	121		7.37	7.44		U			1							S
71625	7.972	0.008	7.475	0.009		0.463	0.010	G	0.53	0.01	H	7.5360	0.0013	0.010	89		7.52	7.55					1							S
71626	9.014	0.015	7.931	0.010		0.937	0.014	T	0.93	0.01	L	7.9828	0.0015	0.010	83		7.97	8.00		C			1							S
71627	8.663	0.012	8.092	0.011		0.521	0.015	G	0.59	0.02	H	8.1602	0.0017	0.011	93		8.14	8.18		C			1							S
71628	10.346	0.033	9.801	0.034		0.579	0.006	G	0.65	0.01	H	9.7917	0.0032	0.021	74		9.75	9.84		C			1							
71629	7.132	0.005	6.586	0.004		0.512	0.006	T	0.58	0.01	L	6.6458	0.0010	0.009	136		6.63	6.66		C			1							S
71630	9.105	0.018	7.884	0.012		1.043	0.017	T	1.01	0.01	L	7.9451	0.0013	0.010	50		7.93	7.96		C			1							S
71631	8.370	0.012	7.674	0.010		0.626	0.018	G	0.69	0.02	H	7.7283	0.0039	0.027	95		7.68	7.76	2.79	P 1 A			1							S
71632	7.999	0.012	6.840	0.006		1.005	0.015	G	0.98	0.01	H	6.8895	0.0013	0.009	58		6.87	6.91					1							S
71633	8.801	0.011	8.430	0.012		0.351	0.015	T	0.41	0.02	L	8.4554	0.0014	0.018	167		8.43	8.49					1	X	S					
71634	11.298	0.088	10.645	0.078		0.606	0.100	T	0.68	0.09	L	10.7847	0.0037	0.032	60		10.68	10.83		C			1							G
71635	9.909	0.024	9.285	0.022		0.581	0.028	T	0.65	0.03	L	9.2997	0.0017	0.014	98		9.26	9.33		C			1		S					
71636	11.019	0.061	9.943	0.036	B	0.931	0.054	T	0.93	0.04	L	10.0368	0.0218			B				D	14392−5542	I 2	1 C	I	A					
71637	10.634	0.040	9.787	0.030		0.744	0.038	T	0.79	0.03	L	9.8825	0.0018	0.020	103		9.85	9.91		D			1							G
71638	9.377	0.015	9.227	0.019	A	0.136	0.023	T	0.15	0.02	L	9.3289	0.0117	0.039	131	A	9.27	9.43		D	14392−5542	I 2	1 C	P	A					
71639	6.667	0.004	6.119	0.003		0.508	0.003	G	0.57	0.02	A	6.1725	0.0007	0.007	143		6.16	6.18		C			1							S
71640	9.680	0.019	8.954	0.016		0.652	0.019	T	0.72	0.02	L	9.0348	0.0022	0.022	110		8.99	9.08		C			1							
71641	12.111	0.150	11.300	0.124		0.733	0.149	T	0.78	0.11	L	11.6487	0.0068	0.074	138		11.52	11.77					1							G
71642	10.912	0.056	9.939	0.038		0.854	0.050	T	0.87	0.04	L	9.9763	0.0031	0.024	83		9.90	10.01		U 2			1							
71643	10.693	0.044	9.412	0.025		1.270	0.015	G	1.23	0.02	H	9.4275	0.0027	0.020	77		9.40	9.46		C			1							
71644	9.846	0.015	8.407	0.008		1.232	0.014	T	4.46	0.04	O	7.4793	0.0160	0.146	162		7.28	7.85		U 2			1		S					S
71645	9.774	0.017	9.074	0.015		0.633	0.017	T	0.70	0.01	L	9.1789	0.0024	0.029	168		9.13	9.24					1							
71646	10.387	0.045	8.686	0.019		1.420	0.039	T	1.40	0.06	L	8.6619	0.0035	0.017	59		8.63	8.69		C			1							
71647	8.223	0.010	7.722	0.011		0.490	0.015	G	0.56	0.02	H	7.7871	0.0013	0.010	85		7.77	7.80		C			1							S
71648	10.072	0.031	8.306	0.014		1.472	0.027	T	1.49	0.04	L	8.2854	0.0016	0.015	93		8.26	8.31					1							
71649	10.429	0.029	9.117	0.016		1.114	0.026	T	1.08	0.03	L	9.1235	0.0015	0.018	114		9.09	9.16		D			1							S
71650	9.119	0.013	9.086	0.017		0.035	0.020	T	0.05	0.02	L	9.1116	0.0024	0.025	141		9.07	9.15					1		S					
71651	9.053	0.013	8.601	0.013	A	0.800	0.495	G	0.40	0.06	L	* 8.6165	0.0015	0.020	124	*	8.59	8.66		D	14393+2648	I 1	2 C	A	AB	108	1.819	0.015	2.71	0.10	S
71652	8.586	0.011	7.314	0.007		1.083	0.010	T	1.05	0.01	L	7.3453	0.0009	0.009	87		7.33	7.36		C			1							S
71653	8.015	0.008	7.589	0.008		0.402	0.010	T	0.47	0.01	L	7.6400	0.0010	0.008	107		7.63	7.66		C			1	G						S
71654	8.992	0.016	8.485	0.015		0.529	0.015	G	0.60	0.02	H	8.5387	0.0017	0.013	91		8.52	8.56		C			1							S
71655	11.475	0.078	9.583	0.024		1.605	0.067	T	1.89	0.16	O	9.4837	0.0027	0.030	121		9.43	9.53					1							
71656	8.338	0.008	7.232	0.006		0.970	0.015	G	0.95	0.01	H	7.2910	0.0008	0.008	133		7.28	7.30		C			1							S
71657	9.065	0.010	8.585	0.010		0.452	0.013	T	0.52	0.01	L	8.6409	0.0016	0.019	168		8.61	8.67		C			1							S
71658	6.890	0.004	6.423	0.004		0.440	0.005	G	0.54	0.07	F	6.4782	0.0007	0.007	157		6.47	6.49		C			1							S
71659	9.267	0.014	8.793	0.014		0.459	0.015	T	0.53	0.02	L	8.8327	0.0015	0.016	117		8.80	8.86		C			1							
71660	9.339	0.013	8.106	0.008		1.053	0.012	T	1.02	0.01	L	8.1385	0.0013	0.016	165		8.12	8.17					1							
71661	8.806	0.009	8.516	0.010		0.275	0.014	T	0.31	0.02	L	8.5630	0.0021	0.021	156		8.53	8.60					1							
71662	10.742	0.060	10.114	0.058		0.573	0.072	G	0.65	0.07	R	10.2631	0.0032	0.029	58		10.20	10.31		C			1							
71663	10.308	0.043	9.760	0.041		0.513	0.053	T	0.59	0.06	L	9.7666	0.0028	0.022	61		9.73	9.80					1							
71664	9.951	0.025	9.163	0.021		0.704	0.002	G	0.74	0.02	A	9.2256	0.0028	0.019	75		9.20	9.26		C			1							
71665	11.124	0.080	9.323	0.027		1.530	0.070	T	2.63	0.08	O	9.0740	0.0053	0.067	66		9.01	9.18		U 2 C			1		S					
71666	9.312	0.013	9.294	0.018		0.017	0.020	T	0.04	0.02	L	9.3094	0.0024	0.027	161		9.26	9.36	0.85	P 1 A			1							
71667	9.962	0.022	10.029	0.032		−0.127	0.004	G	−0.12	0.01	H	10.0663	0.0030	0.025	116		10.03	10.12					1							
71668	6.771	0.004	6.899	0.005	A	−0.030	0.022	G	−0.01	0.02	H	* 6.8646	0.0020	0.024	172	*	6.81	6.89		U 2 C	14395−6812	I 1	2 C	A	AC	297	1.067	0.011	3.06	0.07	S
71669	9.042	0.012	8.539	0.012		0.473	0.015	T	0.54	0.02	L	8.6139	0.0017	0.013	114		8.59	8.64		C			1							S
71670	10.944	0.050	9.153	0.019		1.000	0.040	G	0.98	0.03	K	9.1767	0.0023	0.018	101		9.13	9.21					1							
71671	9.308	0.014	8.197	0.010		0.958	0.013	T	0.95	0.01	L	8.2453	0.0013	0.014	157		8.22	8.28					1							
71672	8.848	0.011	7.592	0.007		1.071	0.010	T	1.04	0.01	L	7.6411	0.0009	0.008	109		7.62	7.66					1							S
71673	11.133	0.056	10.261	0.043		0.763	0.004	G	0.81	0.00	H	10.3389	0.0019	0.021	112		10.30	10.37					1							
71674	10.305	0.019	9.959	0.023		0.328	0.028	T	0.38	0.04	L	10.0231	0.0023	0.039	279		9.95	10.09					1		S					G
71675	9.440	0.016	9.104	0.018		0.319	0.023	T	0.37	0.03	L	9.1661	0.0018	0.017	122		9.14	9.19		C			1							
71676	9.912	0.022	8.868	0.015		0.930	0.015	G	0.92	0.01	H	8.9266	0.0019	0.015	115		8.89	8.97					1							
71677	7.913	0.007	7.348	0.005		0.529	0.008	T	0.60	0.01	L	7.4059	0.0011	0.013	172		7.39	7.43			14396−6443	I 1	1							S
71678	9.383	0.013	7.767	0.007		1.353	0.012	T	1.32	0.01	L	7.7588	0.0016	0.019	184		7.73	7.79					1							
71679	8.093	0.009	7.444	0.008		0.602	0.010	T	0.67	0.01	L	7.5051	0.0012	0.009	103		7.49	7.53		C			1							S
71680	9.830	0.026	8.616	0.016		1.038	0.024	T	1.01	0.02	L	8.6691	0.0023	0.013	56		8.65	8.70		C			1							
71681						0.900	0.020	G	0.88	0.02	A	1.2429	0.1154			B				D	14396−6050	I 3	1 C	L	D					S	D
71682	7.520	0.007	7.047	0.008		0.466	0.019	G	0.54	0.02	L	7.0940	0.0014	0.008	76		7.08	7.11		D	14397−2643	I 2	1							S
71683						0.710	0.040	G	0.69	0.02	A	0.1373	0.0472	0.063	105	A	0.06	0.26		D	14396−6050	I 3	1 C	P	D					S	D
71684	9.822	0.026	9.206	0.023		0.571	0.026	T	0.64	0.02	L	9.2464	0.0022	0.016	62		9.22	9.27		C			1							S
71685	10.139	0.037	9.356	0.030		0.637	0.005	G	0.70	0.00	H	9.5052	0.0022	0.016	58		9.48	9.54		C			1		S					
71686	11.181	0.071	9.982	0.040	C	1.081	0.037	G	1.04	0.03	R	* 9.8918	0.0029	0.020	76	*	9.86	9.92		D	14397−2643	I 2	2 C	D	CD	318	1.161	0.024	1.77	0.08	D
71687	8.738	0.011	8.704	0.014		0.036	0.016	T	0.05	0.01	L	8.7242	0.0012	0.016	102		8.68	8.76		D			1							S
71688	10.214	0.039	9.794	0.042		0.418	0.020	G	0.48	0.02	H	9.8318	0.0027	0.017	61		9.80	9.86		C			1							
71689	8.474	0.011	8.349	0.013	*	0.113	0.016	T	0.13	0.02	L	* 8.3830	0.0013	0.011	83	*	8.36	8.41		D	14399−2140	I 1	2 C	A	AB	310	0.535	0.013	2.19	0.05	S
71690	10.857	0.045	9.560	0.025		1.103	0.040	T	1.07	0.04	L	9.6223	0.0019	0.022	120		9.58	9.66					1							
71691	9.713	0.018	8.376	0.011		1.134	0.017	T	1.10	0.02	L	8.4051	0.0014	0.014	114		8.38	8.43					1							
71692	9.586	0.020	9.043	0.019		0.531	0.015	G	0.60	0.02	H	9.0963	0.0018	0.015	94		9.07	9.12		C			1							
71693	8.852	0.010	8.342	0.009	*	0.478	0.003	G	0.55	0.00	H	* 8.3755	0.0012	0.016	166	*	8.35	8.40		D	14400−5300	I 1	2 C	A	AB	319	0.327	0.008	1.45	0.06	
71694	9.606	0.019	8.360	0.012		1.063	0.018	T	1.03	0.01	L	8.4075	0.0010	0.012	107		8.39	8.43		D			1							
71695	11.180	0.079	10.208	0.052		0.853	0.070	T	0.87	0.05	L	10.2870	0.0066	0.049	69		10.20	10.36		U 2			1							
71696	10.507	0.032	9.577	0.022		0.808	0.030	T	0.83	0.02	L	9.7257	0.0023	0.023	145		9.69	9.77					1							G
71697	8.332	0.013	7.241	0.009		0.943	0.012	T	0.93	0.01	L	7.2945	0.0014	0.009	78		7.28	7.31		C			1							S
71698	9.480	0.014	7.750	0.007		1.450	0.015	G	1.45	0.02	H	7.7103	0.0014	0.014	162		7.68	7.74					1							S
71699	10.381	0.037	8.901	0.018		1.246	0.032	T	1.20	0.03	L	8.9495	0.0016	0.014	81		8.92	8.98					1							
71700	8.080	0.008	8.074	0.009		0.022	0.007	G	0.05	0.02	A	8.0783	0.0010	0.011	134		8.06	8.10		C			1							S

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19 20 21 22 23 24 25 26 27 28	29	30
71701	14 40 02.26	−52 03 55.7	7.54	H	220.009 401 05	−52.065 460 60	2.71	−10.50	−6.01	0.63	0.47	0.87	0.70	0.84	−14 −26 + 9 + 7 +12 −15 +15 −18 − 3 −29	0	0.66
71702	14 40 02.39	−24 06 11.7	8.96	H	220.009 944 84	−24.103 258 37	2.94	−24.83	−3.94	1.08	0.70	1.28	1.16	0.85	−22 −39 − 5 + 2 −12 +17 −18 − 5 +27 − 4	0	0.38
71703 H	14 40 03.46	−27 59 44.1	9.46	G	220.014 432 78	−27.995 570 26 A	14.96	−196.31	−45.98	2.44	1.85	2.56	3.24	2.35	−23 −13 −23 − 3 − 5 − 9 −10 −37 +33 −17	4	0.09
71704	14 40 03.83	+07 20 28.9	7.63	H	220.015 961 14	+07.341 356 67	1.97	2.15	−2.09	0.73	0.62	0.90	0.76	0.70	−32 −19 −14 + 1 −33 +27 −32 +15 − 4 −45	2	0.69
71705	14 40 04.20	−35 43 25.3	8.50	H	220.017 483 07	−35.723 707 04	1.29	−0.61	4.82	0.99	0.61	1.13	0.92	0.86	−23 −32 +15 − 5 − 9 − 7 −17 − 1 +17 −12	0	0.72
71706 H	14 40 04.24	+02 45 39.0	9.99	H	220.017 684 09	+02.760 833 83 A	8.24	21.48	−33.28	5.22	4.62	2.85	2.66	2.47	−20 − 7 −19 + 9 + 5 −27 + 7 −37 +50 −41	0	0.01
71707	14 40 04.49	−06 56 28.4	8.32	H	220.018 726 55	−06.941 208 44	2.63	−30.98	−3.04	1.11	1.08	1.51	1.48	1.31	+10 −35 −57 +37 +18 −24 − 2 + 9 +21 −18	0	1.43
71708	14 40 05.03	−40 54 02.2	8.29	H	220.020 945 47	−40.900 607 84	7.76	−20.77	−21.80	0.95	0.65	1.21	1.24	1.09	−14 − 5 −25 + 1 − 2 + 1 + 4 −34 +41 +17	0	0.05
71709	14 40 05.48	−59 55 52.8	9.07	1 H	220.022 837 55	−59.931 345 04	1.24	−2.65	−4.65	0.79	0.70	1.07	0.99	0.83	+25 −17 + 6 +28 + 3 + 0 + 2 +32 + 9 +46	3	0.07
71710 H	14 40 06.11	+05 04 01.0	7.85	H	220.025 471 86	+05.066 938 64 A	4.99	1.37	−3.94	2.28	1.58	1.67	1.57	1.21	−38 −43 +12 − 7 −21 + 7 −26 + 7 +27 −40	2	0.17
71711 H	14 40 07.13	+58 40 45.5	8.51	H	220.029 705 71	+58.679 311 62 A	15.36	−112.58	132.54	1.03	1.12	1.09	0.98	1.10	− 3 + 0 −13 −19 − 5 − 1 − 5 − 4 + 9 − 7	0	0.32
71712	14 40 08.19	+28 25 35.8	7.89	2 H	220.034 106 93	+28.426 622 71	1.00	−27.48	1.66	0.60	0.60	1.07	0.77	0.87	+ 5 +12 −21 −19 − 8 −11 + 1 + 1 +16 −41	0	0.96
71713	14 40 08.47	−16 12 06.1	7.69	H	220.035 275 87	−16.201 694 53	5.40	19.78	−53.26	1.00	0.68	1.07	1.01	0.80	+10 −38 −31 +17 + 1 − 6 −11 − 7 +24 −12	0	1.55
71714	14 40 09.87	+09 52 53.7	8.64	H	220.041 144 47	+09.881 578 91	9.93	−11.56	0.05	0.97	0.81	1.22	0.97	0.94	−25 −43 −10 − 5 −23 +26 −21 − 8 − 4 −38	0	0.22
71715	14 40 09.89	−15 16 06.8	9.32	H	220.041 194 93	−15.268 548 03	6.54	6.76	0.90	1.43	0.88	1.51	1.63	1.15	+ 2 −48 −12 −13 −22 − 5 −33 −10 +29 + 5	0	−0.56
71716	14 40 10.49	+18 20 57.0	9.19	H	220.043 708 13	+18.349 179 54	4.13	−8.04	−3.73	0.90	0.98	1.39	0.96	1.09	−32 + 0 −33 +32 − 6 + 6 − 3 +39 −36 −52	2	−0.51
71717	14 40 10.54	+71 06 32.3	9.17	H	220.043 898 84	+71.108 985 17	1.19	−9.48	−2.41	0.80	0.90	0.98	0.82	1.20	+ 3 −24 −26 −14 + 4 −10 − 8 +25 +20 + 3	0	0.32
71718	14 40 10.67	+57 42 47.4	7.88	H	220.044 444 35	+57.713 154 29	19.80	−94.84	11.67	0.55	0.61	0.66	0.61	0.72	+20 −14 −13 −18 −10 − 6 − 9 −20 −13 +16	0	1.26
71719	14 40 12.69	−45 32 45.3	8.12	H	220.052 873 28	−45.545 920 56	13.83	−4.29	−15.06	0.76	0.76	1.17	0.92	1.19	−37 −24 − 6 + 0 +33 −14 +35 −63 + 9 −35	0	−0.52
71720	14 40 12.98	−07 30 54.3	9.24	G	220.054 074 24	−07.515 094 41	25.10	−189.55	155.76	1.46	1.19	1.59	1.80	1.47	−13 +15 −43 +53 +10 +20 +25 − 2 +26 − 5	0	−0.40
71721	14 40 15.77	+12 48 51.0	10.78	H	220.065 726 82	+12.814 175 75	3.34	−44.96	−75.28	1.91	1.74	2.67	2.31	1.70	−17 − 7 −41 −34 −17 +30 − 2 −18 − 8 −26	0	−0.09
71722	14 40 15.88	−38 13 30.4	9.24	H	220.066 169 63	−38.225 097 38	−0.09	−36.72	−17.61	1.02	0.68	1.32	1.10	1.27	−29 −24 −20 + 2 +10 + 3 + 5 −32 +28 −34	0	−1.33
71723 H	14 40 16.82	+48 42 32.0	7.86	H	220.070 083 40	+48.708 888 59 A	10.02	−64.85	51.52	0.95	0.95	1.10	0.98	0.92	+15 − 9 −22 −10 −13 + 3 −10 − 5 − 4 −12	1	1.27
71724	14 40 17.66	−40 50 29.9	6.65	G	220.073 581 97	−40.841 641 59	8.15	−18.98	−22.62	0.67	0.48	0.83	0.86	0.79	−16 −11 − 7 + 7 + 1 − 6 + 5 −23 +23 + 4	0	1.08
*71725	14 40 18.45	+87 12 53.0	6.91	G	220.076 854 46	+87.214 718 27	3.06	−10.80	21.68	0.48	0.53	0.56	0.50	0.66	−17 − 4 − 9 −11 + 1 − 3 + 0 −11 + 3 −24	0	−1.54
*71726	14 40 18.33	+30 26 38.2	7.70	H	220.076 379 29	+30.443 944 73	17.98	95.06	−44.25	0.66	0.60	0.87	0.89	0.77	− 1 + 2 −19 + 2 + 1 + 2 − 3 −21 +10 −22	1	1.71
71727	14 40 19.29	−45 47 37.6	6.61	1 G	220.080 373 44	−45.793 784 80	6.21	−21.49	−22.73	0.57	0.56	0.85	0.73	0.87	−38 −20 − 4 + 2 +32 −22 +36 −53 + 4 −36	0	1.12
71728	14 40 19.78	+25 48 34.3	8.92	H	220.082 410 18	+25.809 524 63	6.56	−5.07	−4.16	0.98	0.89	1.14	1.12	1.12	−14 − 4 −13 +13 −10 +12 − 6 +26 −10 −34	2	2.34
71729	14 40 21.88	+21 58 32.8	6.13	H	220.091 181 99	+21.975 769 82	9.47	−14.61	40.40	0.55	0.48	0.71	0.63	0.52	−20 + 6 −25 +22 + 0 − 3 − 2 +24 −21 −33	2	0.13
71730	14 40 24.37	−20 50 53.0	9.91	H	220.101 523 05	−20.848 042 36	3.29	−32.75	1.43	1.29	0.98	1.48	1.50	1.25	−40 − 7 −25 +26 −25 +17 −23 +12 − 6 −42	0	0.92
71731	14 40 24.57	−66 49 01.8	8.92	H	220.102 382 32	−66.817 153 22	1.98	−8.26	−11.68	0.61	0.89	1.13	0.72	1.11	+34 −15 −10 +14 +24 −11 +22 +39 −11 +41	0	0.03
71732	14 40 24.90	−30 32 11.5	7.80	H	220.103 770 43	−30.536 521 69	6.78	8.03	−20.93	0.94	0.79	1.43	1.16	0.98	−28 + 1 −51 +25 − 2 +20 + 7 −45 +41 −24	0	1.01
71733 H	14 40 25.11	−26 15 20.5	7.04	H	220.104 617 70	−26.255 701 16 A	7.18	−15.78	−3.21	2.00	1.70	1.52	1.84	1.24	−21 − 6 − 4 − 5 −22 +22 − 8 −23 − 8 + 9	3	−0.47
71734	14 40 25.43	−29 18 05.5	7.82	H	220.105 968 77	−29.301 540 67	14.58	−76.03	−35.68	1.03	0.71	1.22	1.51	0.89	−16 +18 −28 −37 − 1 −35 − 2 −48 +24 +11	0	0.47
71735	14 40 27.84	−57 01 43.6	7.39	H	220.115 996 80	−57.028 787 79	36.43	395.20	−316.38	0.68	0.53	0.96	0.80	0.81	+16 −38 − 2 +15 + 5 −24 + 4 −20 + 5 +13	0	−1.34
71736	14 40 28.33	+82 54 12.1	9.81	H	220.118 035 73	+82.903 358 22	1.12	6.56	−5.86	0.86	0.87	0.96	0.99	1.03	− 2 − 6 −13 + 4 − 9 + 7 − 9 +12 + 1 − 2	2	0.33
71737	14 40 28.34	+30 31 14.2	7.98	H	220.118 068 83	+30.520 618 36	19.82	95.59	−44.78	0.75	0.69	1.04	1.06	0.86	− 4 − 8 −14 +18 −12 +17 −13 − 2 − 7 −28	0	−0.39
71738	14 40 28.85	+50 58 44.1	9.78	H	220.120 204 25	+50.978 929 48	3.87	−30.52	84.91	0.83	0.87	1.06	0.98	0.96	+17 −10 −23 + 2 −15 + 8 −21 −19 − 5 −24	0	1.28
71739	14 40 29.89	−50 44 47.6	8.35	H	220.124 561 10	−50.746 544 85	2.39	−22.77	−15.04	0.87	0.61	1.16	1.03	0.95	− 4 −30 + 3 +29 +16 + 1 +17 − 9 +18 + 5	1	0.84
71740 H	14 40 30.40	+46 32 33.2	8.57	H	220.126 671 19	+46.542 546 22 A	9.06	20.04	−34.11	1.19	1.13	1.36	1.40	1.18	+12 +11 + 6 +28 − 7 − 3 +17 − 3 −18 −16	2	0.32
71741	14 40 30.66	+47 14 22.1	8.89	H	220.127 747 48	+47.239 475 93	15.60	−83.82	−165.19	0.66	0.63	0.83	0.89	0.74	+ 7 +10 −15 −10 − 9 −14 − 7 +11 − 7 −12	4	−0.11
71742	14 40 30.85	−40 36 29.0	7.35	G	220.128 529 39	−40.608 051 18	1.05	−12.61	−11.82	0.75	0.54	0.96	0.84	0.87	−18 −13 −16 − 6 + 5 −17 + 2 −31 +28 −10	2	−0.42
71743	14 40 31.17	−16 12 32.9	7.24	H	220.129 892 24	−16.209 131 62	42.43	−111.94	−65.21	0.89	0.60	0.97	0.92	0.72	+11 −33 −38 +21 − 2 − 4 −13 − 6 +25 −11	0	1.11
71744	14 40 31.54	+19 53 48.5	9.61	H	220.131 421 97	+19.896 815 23	6.19	−27.36	12.26	0.97	1.06	1.44	1.10	1.14	−35 + 4 −24 +34 + 6 − 9 − 2 +29 −29 −48	1	−0.17
71745	14 40 32.15	−14 02 48.3	6.97	H	220.133 968 16	−14.046 741 17	2.41	8.79	−4.71	0.83	0.61	0.91	1.14	0.78	−19 −12 −18 +26 − 7 − 5 − 8 +14 + 9 −14	0	−0.25
71746	14 40 32.77	−56 26 26.7	6.30	H	220.136 554 70	−56.440 740 33	3.24	−12.66	−8.41	0.61	0.46	0.80	0.73	0.70	+12 −35 + 0 +36 +26 − 5 +19 − 3 +13 + 3	0	0.62
71747	14 40 33.53	−84 34 16.9	9.18	H	220.139 693 88	−84.571 374 60	6.85	7.82	25.89	0.74	0.74	0.89	0.71	0.79	+15 −17 − 2 + 0 + 2 −14 + 1 + 1 + 1 +23	0	−0.31
71748	14 40 33.59	+31 28 54.3	11.74	G	220.139 948 23	+31.481 762 38	18.23	116.07	−852.74	1.90	1.92	2.71	2.21	2.13	+ 3 −10 −28 − 8 −10 + 0 −10 − 8 − 7 −24	3	0.73
71749	14 40 33.91	+34 52 40.5	9.14	H	220.141 304 50	+34.877 909 15	1.49	−17.78	3.99	0.61	0.78	1.19	0.66	0.83	+26 + 9 − 6 + 5 −15 −10 −17 −10 −12 +24	4	0.09
71750	14 40 34.45	−33 39 09.4	9.74	H	220.143 547 34	−33.652 611 58	2.42	−13.39	7.23	1.25	0.77	1.46	1.48	1.14	−28 + 0 −17 +30 − 7 +33 + 4 −11 +14 −13	0	0.18
71751	14 40 34.90	+27 24 00.6	9.19	H	220.145 413 72	+27.400 174 76	5.41	−6.24	2.70	0.81	0.70	1.28	0.99	1.03	+26 −21 −30 − 6 − 6 −17 − 3 + 7 +20 −45	1	0.49
71752	14 40 36.34	−49 34 43.3	9.20	H	220.151 407 08	−49.578 695 89	8.88	10.69	−8.12	0.88	0.79	1.29	1.05	1.18	−23 −16 + 7 + 5 +12 −29 +15 −13 +14 −28	0	−0.72
71753	14 40 38.13	+39 53 32.4	8.65	H	220.158 887 76	+39.892 337 92	6.71	−83.90	25.10	0.65	0.76	0.98	0.74	0.89	+19 + 0 −12 +10 − 5 −11 − 8 − 5 − 6 +14	0	−0.16
71754	14 40 38.32	+08 58 41.1	7.59	H	220.159 651 82	+08.978 096 96	3.23	−12.62	−21.48	0.86	0.75	1.02	0.92	0.92	−30 −22 −19 +14 −36 +28 −33 +13 −16 −53	0	−0.10
71755	14 40 39.21	−65 25 06.2	7.82	H	220.163 380 70	−65.418 386 99	17.41	−72.17	19.10	0.45	0.59	0.84	0.51	0.72	+26 −19 −14 + 3 +18 − 5 +18 +19 −15 +41	2	−0.02
71756	14 40 40.70	+33 53 52.1	9.35	G	220.169 589 23	+33.897 810 19	8.67	12.18	−327.88	0.70	0.85	1.22	0.80	0.90	+ 7 +16 − 6 −19 − 3 −14 − 5 − 9 −16 − 2	1	1.87
71757	14 40 41.00	+12 16 43.4	8.19	H	220.170 819 87	+12.278 727 01	4.85	−39.93	7.77	0.96	0.75	1.13	1.05	0.76	− 6 −27 −23 −27 −28 +26 −17 + 3 −13 −18	0	0.94
71758	14 40 42.22	−42 12 44.2	7.51	1 H	220.175 918 35	−42.212 264 58	0.90	−6.45	−4.88	0.82	0.60	1.09	0.85	0.98	− 5 −32 −20 + 8 + 4 −22 −14 −12 +40 −30	0	−1.07
71759	14 40 42.36	+13 32 03.7	5.93	H	220.176 501 64	+13.534 361 03	18.83	53.76	−14.71	0.64	0.60	0.85	0.76	0.64	−15 −19 −29 −13 −31 +34 −20 +14 −12 −21	0	0.74
71760	14 40 43.12	+34 16 47.1	8.83	G	220.179 651 54	+34.279 749 59	3.00	−30.01	−1.50	0.52	0.69	1.02	0.55	0.75	+31 +14 − 4 − 9 −11 −10 −12 − 3 − 7 +21	0	−0.18
71761	14 40 43.40	−26 43 47.2	9.22	G	220.180 818 50	−26.729 777 12	7.24	−51.71	30.54	1.28	0.91	1.48	1.79	1.35	−27 + 3 − 8 + 7 −15 + 6 −16 −13 + 8 −29	2	0.96
71762 H	14 40 43.56	+16 25 05.9	4.49	H	220.181 504 04	+16.418 301 30 A	10.28	9.64	9.46	0.74	0.77	0.91	0.77	0.80	−44 −12 −18 +29 +15 −34 + 8 + 0 + 1 −54	7	1.37
71763	14 40 44.20	−63 34 44.7	10.09	2 H	220.184 153 45	−63.579 076 86	1.53	−2.59	0.46	0.87	1.14	1.74	1.16	1.58	+18 −10 − 6 +21 + 1 − 4 + 4 +12 −17 +34	0	0.39
71764 H	14 40 44.25	+31 17 24.1	7.80	G	220.184 360 03	+31.290 022 96 A	6.77	−50.67	−57.43	1.43	1.88	2.15	1.90	2.01	+ 5 − 3 −29 − 2 − 2 −12 − 9 −14 + 4 −28	2	1.58
71765	14 40 44.94	+62 18 12.4	9.78	H	220.187 233 17	+62.303 458 09	7.63	−1.52	15.31	0.81	0.84	0.93	0.97	0.90	+ 6 −11 −23 + 2 − 5 + 1 − 1 +25 −13 − 7	1	0.19
71766	14 40 45.54	+17 54 07.7	13.61	H	220.189 735 73	+17.902 136 69	−0.82	−36.18	16.45	8.17	9.83	11.88	9.87	12.00	−51 +13 −34 +20 −11 +18 − 8 +28 −29 −66	0	0.93
71767	14 40 45.96	−42 47 06.1	9.02	H	220.191 504 34	−42.785 021 54	5.18	−17.56	−20.50	1.12	0.71	1.46	0.97	1.25	+ 6 −52 −34 +12 + 9 −19 −19 −19 +35 −42	0	0.41
71768 H	14 40 48.99	−66 56 46.0	7.36	H	220.204 141 95	−66.946 117 46 A	8.73	−37.97	−35.83	0.86	1.09	1.41	0.94	1.37	+38 −12 − 8 + 5 +14 − 3 +14 +24 −10 +45	2	0.48
71769	14 40 50.12	−07 53 54.6	9.13	H	220.208 851 17	−07.898 507 29	8.42	−33.80	2.30	1.14	1.16	1.49	1.36	1.23	−22 − 3 −57 +32 + 0 +10 + 6 − 4 + 7 −34	0	0.74
71770	14 40 51.25	−24 03 27.7	7.13	H	220.213 554 41	−24.057 699 54	4.87	−8.56	−13.24	0.77	0.52	0.93	0.84	0.61	−23 −34 −12 + 1 − 6 +21 − 6 −22 +20 − 8	2	1.59
71771	14 40 52.15	+18 44 21.3	8.47	H	220.217 279 80	+18.739 249 96	2.88	5.75	−32.65	0.86	0.88	1.25	0.90	0.97	−30 −15 −28 +48 −14 − 5 − 9 +52 −33 −55	0	1.80
71772	14 40 53.33	−44 30 03.2	9.02	H	220.222 227 02	−44.500 897 32	1.82	−13.96	5.37	1.26	0.99	1.60	1.42	1.31	− 1 − 8 −14 −40 +14 −39 +11 −59 − 9 − 6	0	0.92
71773	14 40 54.09	−15 19 12.9	8.48	H	220.225 383 87	−15.320 247 05	5.83	−43.85	−27.23	1.35	0.80	1.35	1.58	1.05	+ 7 −40 −17 −19 −31 − 5 −42 − 5 +28 +11	0	0.67
71774	14 40 55.86	−26 25 43.4	7.45	H	220.232 740 91	−26.428 722 63	14.99	−39.20	8.08	0.82	0.59	0.94	1.13	0.80	−21 −10 − 5 − 7 −20 +12 −19 −11 − 4 −16	0	−0.15
71775	14 40 57.08	+09 21 17.3	8.71	H	220.237 843 59	+09.354 816 22	3.93	−0.48	5.83	1.04	0.88	1.32	1.03	1.04	−28 −42 −13 − 6 −30 +34 −27 + 0 − 8 −48	0	−2.03
71776	14 40 57.55	−18 47 53.3	9.15	H	220.239 800 71	−18.798 137 35	11.57	−15.76	14.96	1.13	0.72	1.27	1.68	0.98	−26 −12 − 6 + 7 −23 + 9 −17 −14 +13 − 2	0	0.81
71777	14 40 58.23	+38 09 01.0	7.42	H	220.242 604 88	+38.150 284 14	15.16	−89.05	169.69	0.47	0.51	0.71	0.56	0.60	+13 +13 +15 −15 +10 −12 + 9 + 2 −19 +12	2	−0.49
71778	14 40 59.25	−02 50 41.7	7.87	H	220.246 870 95	−02.844 910 28	11.95	−58.96	83.75	1.06	0.81	1.05	1.05	1.01	− 7 −37 −13 +39 −11 − 1 − 8 +37 − 5 −27	0	1.71
71779	14 40 59.31	−06 27 29.9	8.29	H	220.247 127 38	−06.458 304 87	7.71	−25.81	0.49	1.07	1.06	1.71	1.29	1.49	+ 7 −35 −56 +36 + 0 −13 −23 − 1 +52 −29	0	0.97
71780	14 40 59.85	−61 56 57.2	9.85	G	220.249 357 39	−61.949 231 24	2.03	−4.21	−5.03	1.21	0.91	1.54	1.11	1.03	+25 −46 −12 + 9 − 2 −11 −11 +15 +12 +37	0	0.26
71781	14 41 00.42	−10 43 33.4	9.65	H	220.251 750 01	−10.725 951 46	−0.83	−8.60	−10.48	1.53	1.46	2.03	2.25	1.54	−21 −19 −51 + 4 −47 +38 −27 +31 −25 −23	3	−1.53
71782 H	14 41 00.70	+57 57 29.5	7.03	H	220.252 916 84	+57.958 195 14 A	18.88	138.55	−162.32	0.91	1.07	0.91	0.77	0.97	+13 − 9 −17 −15 −17 + 6 −13 − 8 −11 − 2	2	1.53
71783	14 41 01.41	−36 08 05.4	5.67	1 H	220.255 889 65	−36.134 843 30	5.54	−31.58	−6.17	0.66	0.42	0.74	0.65	0.59	−18 −25 + 9 − 5 −15 − 9 −24 + 7 +17 − 9	2	−0.58
71784	14 41 02.33	+52 14 09.5	7.17	H	220.259 708 43	+52.235 972 46	7.72	−34.49	−73.19	0.54	0.53	0.67	0.56	0.58	+13 −23 −22 − 3 −20 +11 −22 −11 + 4 −15	1	1.99
71785	14 41 02.43	−02 25 23.7	8.38	H	220.260 115 15	−02.423 238 56	16.94	3.56	−144.68	0.98	0.71	1.04	1.08	0.87	−24 −28 − 6 +26 −25 + 9 −26 +20 + 3 −26	0	1.24
71786	14 41 03.40	−63 39 29.5	8.09	1 H	220.264 184 43	−63.658 181 14	0.63	−8.14	−6.37	0.60	0.72	1.01	0.77	0.97	+14 −10 + 3 +42 + 9 −11 +15 +18 −24 +32	0	−0.82
71787	14 41 03.68	+29 23 33.6	9.36	H	220.265 334 27	+29.392 666 63	1.33	−18.42	−12.99	0.94	0.90	1.37	1.10	1.14	− 2 −25 −23 −39 −14 +18 + 1 − 2 − 5 −43	0	1.74
71788	14 41 04.61	−09 30 14.8	9.37	H	220.269 223 11	−09.504 102 02	18.22	−124.28	−42.36	1.20	1.15	1.59	1.37	1.18	−22 −16 −50 +10 −21 + 8 −15 +24 −23 −34	0	1.35
71789	14 41 05.45	−72 19 09.8	9.12	H	220.272 728 41	−72.319 385 23	2.80	11.86	−12.99	0.77	0.79	1.10	0.87	0.95	+22 −29 − 7 +14 +11 − 6 +11 +10 + 5 +28	0	0.71
71790	14 41 05.60	+69 15 07.9	8.81	H	220.273 322 11	+69.252 182 20	0.30	−4.93	−10.62	0.62	0.77	0.76	0.64	0.85	+ 7 −13 −27 − 7 −12 +12 −10 − 6 − 5 − 7	0	−1.24
71791	14 41 06.17	+45 24 49.8	7.74	H	220.275 698 65	+45.413 839 47	3.71	−111.34	−189.19	0.55	0.49	0.67	0.61	0.53	+10 − 9 − 6 − 2 − 2 + 2 + 0 +15 − 8 + 3	0	−1.47
71792 H	14 41 06.74	−22 37 06.7	7.23	H	220.278 073 32	−22.618 539 75 A	5.52	−35.02	−12.26	1.38	1.17	1.25	1.32	1.03	−20 −15 −11 − 7 − 7 + 9 −10 −17 + 6 −15	1	0.50
71793 H	14 41 07.02	−53 34 20.5	9.18	H	220.279 250 95	−53.572 366 15 A	5.71	0.08	26.70	2.37	1.49	2.69	2.27	2.36	+15 −18 − 6 − 2 + 9 −22 + 6 +17 +36 − 4	0	0.92
71794	14 41 07.34	+12 06 36.0	8.10	H	220.280 594 24	+12.110 005 07	1.48	13.52	−4.82	0.95	0.82	1.15	1.07	0.91	−19 −11 −31 −38 −11 +15 − 6 −20 +12 −33	0	1.16
71795 H	14 41 08.92	+13 43 42.0	3.78	G	220.287 168 19	+13.728 331 13 A	18.07	52.36	−12.71	1.19	1.02	1.24	1.21	0.97	−33 − 1 −34 −10 −21 +27 −15 + 3 − 2 −38	0	0.25
71796	14 41 09.13	+35 47 12.7	10.44	2 H	220.288 047 55	+35.786 848 64	17.33	−248.13	26.62	1.14	1.42	2.00	1.33	1.55	+22 − 9 −24 +14 + 7 − 4 + 7 +16 −14 +13	0	1.95
71797	14 41 09.97	+42 27 54.7	9.34	H	220.291 541 30	+42.465 198 22	8.35	−22.58	−29.55	0.70	0.87	1.05	0.87	0.98	+ 9 + 1 −11 +11 − 9 + 2 − 8 + 8 +13 + 5	0	−0.96
71798	14 41 10.24	−37 17 30.8	9.42	H	220.292 670 09	−37.291 888 53	3.17	−12.96	−10.04	1.02	0.65	1.25	0.92	0.98	−28 −28 − 4 + 1 + 8 −11 + 3 −28 +27 −23	0	0.42
71799	14 41 11.36	+18 56 10.2	8.77	H	220.297 326 45	+18.936 162 16	4.80	−37.62	1.78	0.76	0.79	1.24	0.84	0.89	−28 −21 −35 +23 +14 −14 +14 +23 −30 −54	0	3.38
71800	14 41 12.21	+38 46 06.0	9.91	H	220.300 876 94	+38.768 321 85	0.76	−14.59	3.49	0.94	1.08	1.41	1.16	1.28	+26 + 1 +11 +18 +13 −12 +15 +32 −23 +24	2	0.39

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
71701	9.084	0.012	7.663	0.007		1.200	0.011	T	1.16	0.01	L	7.7010	0.0012	0.012	153		7.68	7.72		C			1							
71702	10.538	0.046	9.145	0.024		1.178	0.041	T	1.14	0.04	L	9.1252	0.0022	0.017	72		9.10	9.16		C			1							
71703	10.533	0.043	9.619	0.032	A	0.804	0.002	G	0.84	0.00	H	* 9.6026	0.0025	0.018	63	*	9.56	9.63		D	14401−2800	I 1	2 C	A	AB	309	2.635	0.025	2.00	0.08	
71704	9.611	0.020	7.824	0.009		1.488	0.017	T	1.51	0.03	L	7.7537	0.0012	0.011	112		7.73	7.77					1							S
71705	10.082	0.026	8.651	0.014		1.208	0.023	T	1.17	0.02	L	8.6679	0.0012	0.014	97		8.64	8.69					1							
71706	10.813	0.050	10.059	0.043	*	0.689	0.052	T	0.75	0.04	L	* 10.1324	0.0039	0.022	75	*	10.09	10.18		D	14401+0246	H 1	2 C	A	AB	64	0.313	0.016	1.27	0.14	
71707	10.032	0.045	8.460	0.022		1.319	0.039	T	1.28	0.04	L	8.4703	0.0016	0.010	39		8.44	8.49		D			1							
71708	8.537	0.010	8.321	0.011		0.205	0.015	G	0.23	0.02	H	8.3518	0.0018	0.015	104		8.33	8.38		C			1							
71709	9.244	0.014	9.094	0.017		0.177	0.003	G	0.19	0.00	H	9.1275	0.0026	0.034	150		9.07	9.17	5.52	P 1 A			1							
71710	8.234	0.012	7.895	0.012	*	0.322	0.016	T	0.37	0.02	L	* 7.9316	0.0016	0.010	75	*	7.92	7.96		D	14401+0504	I 1	2 C	A	AB	86	0.444	0.007	1.23	0.03	S
71711	9.296	0.014	8.603	0.012	A	0.600	0.495	G	0.73	0.03	L	* 8.6460	0.0015	0.013	118	*	8.63	8.67		C	14401+5841	I 1	2 C	A	AB	120	4.492	0.031	3.41	0.15	S
71712	9.943	0.021	8.068	0.009		1.558	0.018	T	1.58	0.02	L	8.0051	0.0036	0.034	152		7.96	8.06		U 2			1							S
71713	9.440	0.022	7.829	0.012		1.349	0.020	T	1.31	0.02	L	7.8405	0.0018	0.009	49		7.83	7.85					1							S
71714	9.250	0.018	8.682	0.016		0.531	0.021	T	0.60	0.02	L	8.7543	0.0021	0.015	81		8.73	8.78		C			1							S
71715	9.975	0.033	9.342	0.030		0.583	0.033	T	0.65	0.03	L	9.4419	0.0030	0.017	45		9.42	9.48		C			1							
71716	9.835	0.020	9.217	0.018		0.575	0.024	T	0.65	0.02	L	9.3189	0.0026	0.023	122		9.29	9.36					1							
71717	10.543	0.033	9.282	0.019		1.075	0.030	T	1.04	0.03	L	9.3398	0.0022	0.024	95		9.30	9.39		C			1							
71718	8.477	0.012	7.932	0.010		0.511	0.014	T	0.58	0.01	L	7.9891	0.0016	0.011	121		7.97	8.02					1							S
71719	8.804	0.011	8.174	0.010		0.568	0.001	G	0.62	0.02	A	8.2387	0.0011	0.013	116		8.22	8.26					1							S
71720	10.264	0.037	9.337	0.028		0.833	0.004	G	0.88	0.00	H	9.3732	0.0019	0.017	52		9.35	9.40		D			1							
71721	11.571	0.109	10.742	0.086		0.747	0.105	T	0.79	0.07	L	10.9234	0.0050	0.036	63		10.85	10.98		C			1							G
71722	10.426	0.038	9.303	0.023		0.967	0.035	T	0.95	0.03	L	9.4032	0.0017	0.016	118		9.37	9.44					1							
71723	8.305	0.009	7.908	0.010	A	0.000	0.495	G	0.41	0.02	L	* 7.9422	0.0017	0.012	123	*	7.92	7.96			14403+4842	I 1	2 C	B	AB	102	7.297	0.035	3.58	0.13	S
71724	6.559	0.004	6.642	0.004		−0.069	0.001	G	−0.05	0.00	H	6.6336	0.0008	0.007	108		6.62	6.65		C	14403−4051	I 1	1							S
71725	8.790	0.012	7.040	0.006		1.460	0.015	G	1.47	0.02	H	7.0256	0.0013	0.010	111		7.01	7.04					1							S
71726	8.440	0.010	7.764	0.009		0.637	0.015	G	0.70	0.01	H	7.8305	0.0012	0.011	108		7.81	7.86		C			1							S
71727	6.486	0.004	6.609	0.005		−0.112	0.004	G	−0.03	0.02	A	6.5787	0.0018	0.014	132		6.56	6.60	1.63	P 1 A	14403−4548	I 1	1							S
71728	9.514	0.019	9.016	0.019		0.468	0.024	T	0.54	0.03	L	9.0223	0.0018	0.020	86		8.99	9.05		C	14403+2549	I 1	1	S						S
71729	6.622	0.004	6.177	0.003		0.434	0.004	T	0.50	0.00	L	6.2305	0.0007	0.006	100		6.22	6.25					1							S
71730	10.400	0.045	9.910	0.043		0.473	0.048	T	0.54	0.05	L	10.0182	0.0024	0.023	85		9.97	10.05					1							
71731	9.010	0.010	8.925	0.012		0.077	0.014	T	0.09	0.01	L	8.9532	0.0020	0.025	209		8.91	9.00					1							
71732	9.407	0.018	7.927	0.010		1.246	0.016	T	1.20	0.02	L	7.9640	0.0015	0.008	66		7.94	7.98		C			1							
71733	7.160	0.006	7.050	0.007	*	0.099	0.008	T	0.11	0.01	L	* 7.0807	0.0010	0.010	76	*	7.06	7.10		D	14404−2615	I 1	2 C	A	AB	80	0.427	0.014	2.02	0.03	S
71734	8.357	0.008	7.869	0.010		0.462	0.006	G	0.53	0.01	H	7.9224	0.0011	0.011	64		7.90	7.94		C			1							S
71735	8.206	0.010	7.454	0.008		0.672	0.006	G	0.73	0.01	H	7.5202	0.0011	0.013	128		7.50	7.54			14404−5701	I 1	1							S
71736	11.123	0.054	9.920	0.030		1.029	0.048	T	1.00	0.04	L	9.9791	0.0020	0.020	112		9.94	10.02					1							
71737	8.722	0.011	8.033	0.009		0.620	0.009	G	0.69	0.01	H	8.1093	0.0015	0.014	101		8.08	8.15		C			1							S
71738	10.469	0.033	9.838	0.031		0.587	0.039	T	0.66	0.04	L	9.9055	0.0028	0.023	113		9.87	9.94		C			1							
71739	10.236	0.025	8.501	0.011		1.447	0.022	T	1.45	0.04	L	8.4843	0.0017	0.016	143		8.46	8.51		C			1							
71740	8.951	0.020	8.384	0.021	*	0.530	0.026	T	0.60	0.03	L	* 8.6826	0.0016	0.019	131	*	8.66	8.73		D	14405+4633	I 1	2 C	A	AB	253	1.982	0.006	1.61	0.03	S
71741	9.769	0.020	8.955	0.015		0.719	0.019	T	0.77	0.01	L	9.0306	0.0019	0.014	122		9.01	9.07		C			1							S
71742	7.417	0.005	7.351	0.007		0.082	0.015	G	0.09	0.02	H	7.3849	0.0013	0.011	103		7.37	7.40		C			1							S
71743	8.114	0.010	7.312	0.009		0.710	0.010	T	0.76	0.01	L	7.3741	0.0014	0.008	53		7.36	7.39					1							S
71744	10.028	0.027	9.606	0.029		0.399	0.037	T	0.46	0.04	L	9.6945	0.0029	0.019	103		9.67	9.73		C			1							
71745	9.105	0.017	7.161	0.008		1.629	0.001	G	1.60	0.00	J	7.0846	0.0015	0.009	60		7.08	7.11		C			1							S
71746	7.804	0.006	6.436	0.004		1.173	0.003	G	1.13	0.00	J	6.4664	0.0007	0.007	140		6.45	6.48		C			1							S
71747	10.300	0.024	9.249	0.016		0.912	0.022	T	0.91	0.02	L	9.3340	0.0023	0.021	141		9.30	9.38					1							
71748						1.184	0.022	G	1.31	0.04	I	11.8546	0.0052	0.051	115		11.73	11.95					1							G
71749	10.999	0.031	9.304	0.013		1.416	0.027	T	1.40	0.04	L	9.2737	0.0021	0.027	234		9.23	9.32					1							
71750	10.123	0.030	9.786	0.033		0.325	0.049	T	0.38	0.07	L	9.8157	0.0023	0.019	91		9.77	9.84		C			1							
71751	9.718	0.015	9.235	0.015		0.455	0.019	T	0.52	0.02	L	9.2939	0.0019	0.022	153		9.26	9.34					1							
71752	9.767	0.026	9.203	0.025		0.532	0.027	T	0.60	0.03	L	9.3200	0.0021	0.021	136		9.28	9.36		C			1							
71753	9.518	0.015	8.735	0.012		0.711	0.015	T	0.77	0.01	L	8.7957	0.0017	0.018	145		8.77	8.83		C			1							S
71754	8.989	0.017	7.705	0.011		1.093	0.016	T	1.05	0.02	L	7.7572	0.0014	0.011	77		7.74	7.78		C			1							S
71755	8.420	0.007	7.883	0.007		0.528	0.006	G	0.60	0.01	H	7.9316	0.0011	0.017	242		7.90	7.97					1							S
71756	10.011	0.017	9.407	0.016		0.547	0.015	G	0.62	0.01	H	9.4788	0.0018	0.023	184		9.43	9.52		C			1							
71757	8.441	0.013	8.233	0.015		0.199	0.019	T	0.22	0.02	L	8.2572	0.0017	0.015	64		8.22	8.28					1							S
71758	9.643	0.020	7.719	0.008		1.631	0.018	T	2.10	0.05	O	7.5863	0.0020	0.020	95		7.55	7.62		U			1							S
71759	6.214	0.003	5.960	0.004		0.238	0.005	T	0.27	0.01	L	5.9960	0.0008	0.007	77		5.98	6.01		C			1							S
71760	9.174	0.009	8.859	0.010		0.300	0.020	G	0.34	0.03	H	8.9151	0.0014	0.022	239		8.88	8.96					1							S
71761	9.987	0.027	9.250	0.022		0.606	0.019	G	0.68	0.02	H	9.3408	0.0030	0.018	77		9.31	9.37		C			1							
71762	4.457	0.007	4.464	0.008	*	−0.002	0.010	T	0.02	0.01	L	* 4.5038	0.0005	0.005	106	*	4.50	4.52		D	14407+1625	I 1	2 C	A	AB	110	5.546	0.003	1.06	0.01	S
71763	10.209	0.023	10.121	0.033		0.079	0.036	T	0.09	0.04	L	10.1244	0.0041	0.043	175		10.05	10.19		U			1	S						G
71764	8.409	0.014	7.901	0.013	*	0.488	0.015	G	0.56	0.02	H	* 7.8898	0.0010	0.012	117	*	7.87	7.92		D	14407+3117	I 1	2 C	A	AB	0	0.815	0.003	0.61	0.01	S
71765	10.367	0.033	9.789	0.031		0.540	0.040	T	0.61	0.04	L	9.8959	0.0023	0.020	114		9.86	9.93		C			1							
71766						−0.042	0.012	G	−0.02	0.01	H	13.6036	0.1982	0.637	16		12.95	14.63					1							G
71767	9.593	0.022	9.075	0.021		0.496	0.023	T	0.57	0.02	L	9.1266	0.0017	0.014	80		9.10	9.16					1							
71768	8.271	0.019	7.749	0.020	A	0.800	0.495	G	0.55	0.04	L	* 7.4678	0.0011	0.013	201	*	7.44	7.49		D	14408−6657	I 1	2 C	A	AB	58	2.176	0.003	0.73	0.01	S
71769	9.646	0.025	9.161	0.025		0.448	0.020	G	0.52	0.02	H	9.2256	0.0022	0.010	53		9.20	9.24					1							
71770	8.355	0.011	7.251	0.007		0.952	0.010	T	0.94	0.01	L	7.2909	0.0008	0.007	80		7.28	7.30					1							S
71771	10.075	0.021	8.592	0.011		1.249	0.019	T	1.21	0.02	L	8.6336	0.0020	0.019	134		8.60	8.67					1							S
71772	10.366	0.034	9.123	0.020		1.061	0.031	T	1.03	0.03	L	9.1838	0.0027	0.019	78		9.16	9.22		C			1							
71773	10.044	0.036	8.648	0.020		1.180	0.032	T	1.14	0.03	L	8.6402	0.0025	0.012	44		8.62	8.66		C			1							
71774	8.138	0.011	7.521	0.009		0.591	0.015	G	0.66	0.01	H	7.5814	0.0015	0.010	77		7.57	7.60		C			1							S
71775	9.812	0.025	8.792	0.017		0.889	0.023	T	0.89	0.02	L	8.8715	0.0016	0.016	88		8.85	8.89		C			1							S
71776	9.859	0.025	9.199	0.022		0.612	0.028	T	0.68	0.03	L	9.2742	0.0028	0.020	88		9.24	9.29					1							
71777	7.939	0.006	7.475	0.006		0.437	0.008	T	0.51	0.01	L	7.5172	0.0009	0.011	160		7.50	7.54					1							S
71778	9.095	0.019	7.980	0.013		0.961	0.018	T	0.95	0.01	L	8.0311	0.0018	0.009	51		8.01	8.05		C			1							S
71779	8.890	0.022	8.339	0.021		0.516	0.027	T	0.59	0.03	L	8.4015	0.0026	0.012	36		8.38	8.43					1							S
71780	9.863	0.021	9.876	0.031		0.003	0.002	G	0.02	0.00	H	9.8682	0.0025	0.024	117		9.81	9.91					1							G
71781	11.642	0.144	9.715	0.041		1.634	0.123	T	2.35	0.47	K	9.6915	0.0052	0.023	38		9.66	9.73					1							
71782	8.032	0.012	7.073	0.010	*	0.844	0.012	T	0.86	0.01	L	* 7.1875	0.0009	0.010	116	*	7.18	7.23		D	14411+5758	I 1	2 C	A	AB	48	7.571	0.003	0.87	0.01	S
71783	5.556	0.003	5.650	0.003		−0.081	0.004	T	−0.06	0.01	L	5.6488	0.0010	0.007	95		5.63	5.66		M			1							S
71784	8.666	0.010	7.296	0.006		1.160	0.009	T	1.12	0.01	L	7.3339	0.0011	0.009	119		7.32	7.35		C			1							S
71785	9.066	0.018	8.450	0.016		0.564	0.015	G	0.64	0.01	H	8.4994	0.0020	0.017	74		8.48	8.53		C			1							S
71786	10.268	0.024	8.292	0.009		1.638	0.020	T	1.66	0.02	L	8.2020	0.0018	0.018	179		8.17	8.23		U			1							
71787	10.800	0.036	9.479	0.018		1.122	0.031	T	1.08	0.03	L	9.5261	0.0021	0.020	139		9.49	9.57					1							
71788	10.529	0.051	9.505	0.035		0.950	0.015	G	1.00	0.01	I	9.5147	0.0024	0.015	58		9.48	9.53					1							
71789	10.744	0.036	9.237	0.017		1.267	0.031	T	1.23	0.03	L	9.2814	0.0020	0.023	155		9.24	9.32					1	G						
71790	10.784	0.044	8.986	0.016		1.497	0.037	T	1.52	0.06	L	8.9348	0.0019	0.017	121		8.90	8.96		C			1							
71791	8.922	0.010	7.825	0.007		0.940	0.015	G	0.99	0.02	I	7.8827	0.0012	0.014	146		7.86	7.91					1							S
71792	7.692	0.008	7.290	0.006	*	0.393	0.008	T	0.46	0.01	L	* 7.3216	0.0011	0.008	81	*	7.31	7.33		D	14411−2237	I 1	2 C	A	AB	179	0.389	0.003	1.44	0.02	S
71793	9.342	0.025	8.747	0.025	*	0.555	0.026	T	0.63	0.02	L	* 9.2968	0.0021	0.020	153	*	9.26	9.34		D	14411−5334	I 1	2 C	A	AB	296	1.938	0.006	0.46	0.02	
71794	9.521	0.022	8.240	0.014		1.090	0.020	T	1.05	0.02	L	8.2628	0.0020	0.010	68		8.24	8.28		C			1							S
71795	3.863	0.005	3.799	0.003	*	0.044	0.003	G	0.06	0.00	H	* 3.7971	0.0006	0.004	80	*	3.79	3.80		D	14411+1344	I 1	2 C	A	AB	303	0.906	0.003	0.05	0.01	S
71796	11.584	0.065	10.468	0.039		0.954	0.060	T	1.00	0.05	L	10.5794	0.0041	0.055	173		10.45	10.69		U			1							
71797	9.981	0.020	9.378	0.019		0.562	0.024	T	0.64	0.02	L	9.4653	0.0018	0.025	145		9.42	9.51		C			1							
71798	9.855	0.024	9.449	0.025		0.397	0.029	T	0.46	0.03	L	9.5112	0.0020	0.018	123		9.48	9.55		C			1							
71799	9.246	0.013	8.799	0.013		0.422	0.017	T	0.49	0.02	L	8.8671	0.0017	0.016	125		8.84	8.90		C			1							S
71800	11.395	0.059	10.010	0.028		1.172	0.051	T	1.13	0.05	L	10.0785	0.0023	0.030	153		10.03	10.13		C			1							

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg		Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors $\alpha*$ mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%) δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	Soln F1 %	F2
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
71801	14 41 12.93	+40 33 49.7	7.99	2 H	220.303 863 17	+40.563 809 87		2.06	5.92	−30.06	0.61	0.70	0.88	0.71	0.79	+22	− 2	−10	−11	−14	− 2	−14	−21	+ 2	+21	0	1.86
71802	14 41 13.39	+31 34 19.7	8.06	3 H	220.305 771 37	+31.572 128 62	*	3.09	−13.75	5.22	0.74	0.77	1.10	1.05	0.90	+ 3	−17	−24	−10	+ 2	− 6	− 3	−20	−17	−13	0	2.69
71803	14 41 16.17	−04 56 40.2	8.19	H	220.317 360 84	−04.944 501 51		18.46	26.01	−152.77	1.24	1.21	1.41	1.52	1.78	−28	−27	−23	+58	−19	−33	−32	+43	+37	−61	0	1.32
71804	14 41 17.02	−34 36 46.6	8.84	H	220.320 921 08	−34.612 940 38		3.95	5.50	−11.54	1.10	0.65	1.18	1.50	1.05	− 7	−14	−10	−25	−18	+16	−21	−19	+ 1	+15	0	0.13
71805	14 41 18.24	+23 43 19.6	9.00	H	220.326 017 71	+23.722 122 84		14.04	−224.18	−4.67	0.83	0.87	1.17	1.03	0.97	−23	− 4	−35	+ 7	+ 4	−12	+ 4	+34	−30	−36	2	−0.24
71806	14 41 18.82	+03 26 55.8	8.41	G	220.328 396 77	+03.448 825 95		6.82	−9.99	−24.62	1.17	0.93	1.43	1.49	1.27	−50	+ 4	−33	+20	+ 9	−21	+ 5	−36	+47	−53	0	−0.16
71807	14 41 18.97	−13 55 42.7	8.41	G	220.329 038 12	−13.928 531 44		8.80	−48.25	−3.13	1.08	0.80	1.20	1.52	1.08	−22	−11	−26	+33	−16	− 1	−18	+23	+12	−27	0	1.19
71808	14 41 19.01	−11 21 51.3	7.74	H	220.329 215 72	−11.364 263 69		4.44	4.75	−26.41	0.99	0.82	1.06	1.14	0.96	−12	−24	−33	+43	−11	+11	− 2	+34	−14	−16	3	1.40
71809	14 41 19.24	−36 53 06.0	8.29	H	220.330 177 41	−36.885 003 75		14.88	27.45	−84.30	0.93	0.53	1.09	0.93	0.83	−24	−27	+ 2	− 7	− 4	− 6	−11	−17	+25	− 3	0	0.40
71810 H	14 41 20.64	+52 38 49.4	8.50	G	220.336 001 57	+52.647 057 06	A	10.63	26.98	−10.63	0.97	0.96	1.06	0.90	0.95	+23	−16	−30	+23	− 7	+ 2	−16	−15	+ 7	− 4	0	−0.07
71811 H	14 41 21.34	+62 10 01.3	9.10	H	220.338 897 16	+62.167 027 08	A	5.14	−15.70	13.01	1.20	1.14	1.12	1.13	1.07	−15	−19	− 8	+ 1	−11	−11	− 7	+23	+ 5	− 5	2	−0.05
71812	14 41 21.40	+28 01 32.0	10.44	H	220.339 174 71	+28.025 554 86		2.60	−1.33	5.18	1.01	0.93	1.70	1.02	1.30	+14	−12	−27	−37	−23	+ 7	− 6	+ 2	+14	−48	0	−1.24
71813	14 41 22.39	+29 03 33.3	7.81	G	220.343 280 79	+29.059 252 35		21.22	11.76	−183.50	0.57	0.64	1.02	0.74	0.80	− 6	−12	−27	−36	−15	+13	+ 8	+17	− 8	−48	0	1.20
71814	14 41 23.24	−35 54 03.3	9.84	G	220.346 832 08	−35.900 919 61		17.43	58.84	−182.76	1.38	0.78	1.53	1.29	1.24	−17	−30	+ 0	− 4	− 4	− 4	−13	−10	+18	−18	0	1.65
71815 H	14 41 24.11	−33 57 01.2	8.43	H	220.350 473 75	−33.950 331 05	A	4.46	−33.80	−22.76	1.65	1.14	1.70	1.81	1.54	−18	+ 8	− 4	+15	+ 7	+20	+14	−24	− 5	− 3	3	−0.16
71816	14 41 25.39	−19 55 40.5	7.04	H	220.355 804 89	−19.927 924 09		5.59	−28.20	−23.80	0.81	0.55	0.93	0.92	0.71	−31	−25	−12	+22	−12	+14	−12	− 3	+ 7	−35	0	−1.05
71817	14 41 26.69	+00 06 12.8	8.12	H	220.361 205 85	+00.103 555 71		2.10	22.43	−25.91	1.31	0.91	1.46	1.90	1.21	− 1	− 6	−39	−51	−26	+ 0	−21	−70	+48	+15	0	−0.81
71818	14 41 28.17	−41 23 52.4	9.02	H	220.367 372 30	−41.397 876 52		11.41	−58.18	−42.48	1.17	0.89	1.64	1.34	1.27	−11	−19	−39	− 7	+ 7	−11	− 4	−24	+40	− 3	0	0.97
71819	14 41 29.01	+13 36 06.0	8.37	G	220.370 864 55	+13.601 654 67		14.04	−387.65	−74.47	0.86	0.80	1.19	1.04	0.85	−11	−20	−34	−16	−30	+36	−19	+ 3	− 4	−22	0	0.65
71820	14 41 30.24	−02 02 27.7	7.83	H	220.375 993 19	−02.041 033 79		8.15	−26.36	−16.92	0.92	0.66	1.00	0.99	0.81	−13	−36	−19	+22	−29	+23	−24	+29	− 4	−25	0	1.88
71821	14 41 30.98	−49 18 37.2	10.36	H	220.379 068 73	−49.310 334 22		1.18	−23.71	−17.79	1.36	1.16	1.92	1.55	1.71	−31	−25	− 2	+ 4	+13	−21	+11	−10	+17	−24	0	1.19
71822	14 41 31.18	+07 37 22.2	9.73	G	220.379 915 41	+07.622 826 16		6.18	−23.19	−9.00	1.15	0.98	1.43	1.22	1.21	−38	−27	+ 1	−14	− 9	+20	−15	−11	+ 6	−52	2	0.63
71823	14 41 32.27	−12 43 12.8	8.69	H	220.384 439 47	−12.720 221 17		11.79	−23.82	−13.32	1.19	0.90	1.23	1.39	1.08	−12	−21	−35	+41	−25	+18	−18	+42	−14	−23	3	1.29
71824	14 41 33.19	+06 27 49.6	12.03	G	220.388 284 76	+06.463 769 84		34.89	−275.49	−341.26	3.01	2.24	3.84	2.98	2.54	−16	−35	−12	−38	−25	+29	−32	−19	+26	−19	4	2.68
71825 H	14 41 33.25	+44 22 41.2	8.21	H	220.388 546 26	+44.378 101 06	A	11.05	−31.28	−51.06	0.94	0.90	1.10	1.06	0.93	+19	−23	−17	+15	− 6	− 2	− 5	+13	− 4	−12	2	0.25
71826	14 41 34.30	−70 22 43.2	9.55	G	220.392 899 27	−70.378 677 75		3.45	−2.80	−1.37	0.77	0.97	1.27	0.84	1.20	+ 3	−17	− 2	− 1	− 6	− 6	−12	+23	+ 6	+18	3	−0.78
71827	14 41 35.32	+18 29 03.3	8.33	H	220.397 177 75	+18.484 247 00		5.58	−28.30	16.60	0.75	0.82	1.14	0.82	0.95	−43	+14	−25	+37	−14	+14	−15	+40	−33	−61	2	0.08
71828 H	14 41 35.60	+51 23 51.0	7.26	G	220.398 314 33	+51.397 508 93	A	8.21	−14.58	−32.51	1.58	1.44	1.63	1.63	1.68	+10	−12	−15	−26	+ 2	+ 2	− 1	−34	+ 5	−30	2	2.46
71829	14 41 35.92	−01 23 18.3	8.18	H	220.399 671 78	−01.388 423 28		3.41	16.74	−31.60	1.15	0.71	1.13	1.30	0.94	−33	−25	− 5	+45	−25	+ 9	−26	− 1	+12	−30	0	1.17
71830	14 41 37.08	+11 15 43.6	9.59	H	220.404 517 72	+11.262 104 56		4.18	−25.19	−22.16	1.26	1.29	1.64	1.44	1.34	−29	+ 8	−45	−41	+ 1	+14	+ 9	−52	+20	−30	2	0.05
71831	14 41 38.33	−63 35 45.4	10.34	H	220.409 712 19	−63.595 951 09		0.81	−4.30	−0.30	0.92	1.26	1.78	1.25	1.74	+11	− 8	+15	+21	+ 5	− 6	+ 6	+29	−19	+28	2	−0.68
71832	14 41 38.76	+08 09 42.3	4.86	H	220.411 485 50	+08.161 756 11		5.66	−10.21	3.25	0.64	0.53	0.82	0.70	0.64	−30	−16	− 8	− 6	−15	+35	−16	−10	− 6	−44	0	0.83
71833 H	14 41 40.35	−42 27 17.9	8.46	H	220.418 127 72	−42.454 970 26	A	6.64	47.48	−31.33	2.29	1.94	2.73	2.11	2.40	− 7	−12	−15	− 1	+16	−22	+ 5	−24	+40	−20	0	0.13
71834	14 41 41.43	−09 48 34.1	8.04	G	220.422 605 48	−09.809 477 76		15.40	11.81	−6.44	0.97	0.85	1.09	1.15	0.98	−26	− 5	−35	+33	−17	+10	−13	+26	−11	−29	0	0.68
71835 H	14 41 41.53	−44 14 30.6	8.57	H	220.423 054 17	−44.241 833 73	A	5.75	−8.74	−5.37	4.41	3.88	3.90	4.24	4.53	+18	+ 4	+10	−23	+16	−38	+15	−38	−28	−14	1	−0.19
71836	14 41 42.60	+24 12 10.5	9.52	H	220.427 489 15	+24.202 904 27		5.08	12.04	−0.94	1.06	1.02	1.40	1.24	1.12	−20	−26	−13	+25	− 8	−13	+ 1	+39	−31	−35	0	−1.39
71837	14 41 43.62	+11 39 39.4	5.55	H	220.431 731 37	+11.660 935 26		8.46	−159.52	−112.25	0.73	0.60	0.86	0.78	0.63	−14	−15	−18	−29	−28	+26	−21	− 1	−15	−24	0	1.99
71838	14 41 43.80	+17 36 51.5	8.65	H	220.432 505 16	+17.614 301 10		3.63	−38.43	8.12	0.77	0.87	1.16	0.92	1.07	−39	+ 5	−26	+32	−22	+21	−18	+35	−32	−47	0	0.41
71839	14 41 44.39	+35 14 25.5	8.38	H	220.434 950 38	+35.240 428 22		3.90	−11.54	−58.45	0.52	0.64	0.98	0.57	0.69	+22	+ 4	+ 9	+ 2	+ 0	− 2	+ 0	+ 1	−11	+12	0	0.51
71840 H	14 41 44.68	+09 31 39.6	7.73	H	220.436 152 56	+09.527 653 09	B	−0.89	−48.78	25.73	2.94	2.71	3.10	2.76	2.44	−33	−40	+ 9	−25	−11	+15	− 9	−38	− 4	−28	2	2.03
71841	14 41 44.73	−42 41 02.7	10.70	H	220.436 380 33	−42.684 095 20		1.24	−18.65	0.73	2.36	1.96	3.25	2.18	3.04	+14	−57	−45	+22	+ 1	−26	−26	+ 2	+33	−54	0	0.39
71842	14 41 45.51	+00 23 34.5	8.14	H	220.439 638 57	+00.392 911 64		1.31	11.37	−3.50	1.13	0.79	1.28	1.63	1.06	−19	+18	−36	−39	− 4	−26	− 1	−65	+40	− 9	0	−0.16
71843	14 41 45.86	+24 32 18.1	7.66	G	220.441 101 90	+24.538 354 41		16.90	−58.54	−18.74	0.68	0.57	0.86	0.78	0.63	− 8	−30	−10	+11	+ 2	−23	+ 8	+17	−25	−19	2	1.02
71844	14 41 46.23	−43 55 50.2	8.80	G	220.442 634 53	−43.930 604 10		7.55	−59.28	76.92	1.13	1.04	1.44	1.78	1.37	− 9	+ 6	−33	− 7	+ 5	− 9	+ 1	− 1	+11	+17	0	1.35
71845	14 41 46.41	+13 34 33.1	9.68	H	220.443 373 38	+13.575 863 74		9.27	5.32	−0.63	1.25	1.21	1.70	1.49	1.32	−24	− 3	−30	− 9	−27	+31	−19	+ 8	−11	−31	0	−0.55
71846	14 41 46.61	+33 00 41.9	9.17	H	220.444 227 64	+33.011 648 02		11.09	−10.28	−57.08	0.64	0.83	1.19	0.89	0.97	+13	− 4	−25	+14	+ 6	−14	+ 2	− 1	− 3	+ 9	0	−1.06
71847	14 41 47.17	−64 20 56.5	8.70	H	220.446 547 95	−64.349 024 50		6.26	−17.87	−19.23	0.73	0.86	1.22	0.92	1.07	+43	− 6	+ 6	+37	+35	− 9	+38	+29	−14	+71	1	1.30
71848	14 41 47.82	+43 07 48.8	8.44	H	220.449 252 47	+43.130 234 40		12.39	−87.04	−2.16	0.70	0.70	0.95	0.97	0.87	+ 5	+ 8	− 7	+ 3	−10	−29	−11	+ 9	− 1	− 4	1	−0.50
71849	14 41 48.05	+43 28 54.5	8.87	H	220.450 203 55	+43.481 793 18		4.79	−9.62	−12.51	0.69	0.77	0.97	0.89	0.92	+11	+ 0	− 3	+ 7	− 1	−10	+ 1	+18	+14	−13	0	−2.14
71850	14 41 48.59	−18 40 14.4	8.25	G	220.452 450 00	−18.670 674 71		12.49	−21.87	−32.04	0.93	0.64	1.08	1.30	0.88	−30	− 9	−17	+ 0	−16	+ 4	−15	−15	+11	−19	0	−0.05
71851	14 41 48.64	+25 59 01.0	8.29	G	220.452 668 29	+25.983 624 35		7.32	−84.37	18.26	0.78	0.64	1.03	0.97	0.86	+ 4	−23	−23	+ 4	− 1	+ 1	+ 1	+ 9	+ 0	−37	2	2.46
71852	14 41 51.10	−63 49 09.4	10.61	H	220.462 936 11	−63.819 263 94		3.23	−7.12	−9.42	1.15	1.43	2.09	1.51	2.01	+18	−19	+11	+23	+ 6	−10	+10	+17	−12	+39	2	0.31
71853 H	14 41 51.25	−30 55 59.2	6.38	G	220.463 532 19	−30.933 119 72	A	3.02	−14.89	−15.03	1.03	0.89	1.20	1.09	0.93	−44	+ 3	−30	+15	− 8	+19	− 3	−21	+17	−14	2	−1.00
71854	14 41 51.56	+18 29 45.6	7.53	H	220.464 822 33	+18.495 996 50		4.25	−1.14	−41.36	0.67	0.72	0.98	0.73	0.83	−27	+ 1	−13	+37	− 3	− 2	− 3	+38	−19	+48	2	0.56
71855	14 41 52.19	−75 08 22.0	6.73	G	220.467 442 27	−75.139 432 05		49.15	120.37	−19.41	0.46	0.48	0.64	0.56	0.59	+ 9	+ 4	+10	−25	+ 3	−16	− 1	+15	+13	+22	1	0.01
*71856 H	14 41 54.32	−69 05 20.7	8.99	2 H	220.476 351 33	−69.089 070 55	A	3.55	−5.98	−7.29	1.35	1.49	1.85	1.53	1.64	+34	−18	− 4	+16	+17	−26	+18	+17	− 9	+56	3	1.05
*71857 H	14 41 54.24	+21 07 25.3	6.40	H	220.476 003 19	+21.123 688 32	*	6.86	−11.09	−56.32	0.51	0.53	0.75	0.55	0.57	−22	+ 0	−33	+26	+ 0	− 6	− 2	+34	−27	−38	0	−1.03
71858	14 41 55.20	−61 45 50.2	9.59	H	220.480 011 56	−61.763 957 15		10.39	−44.86	−35.85	1.12	0.94	1.44	1.20	1.06	+37	−35	− 6	+ 9	+ 6	− 3	− 2	+12	+19	+47	0	0.30
71859	14 41 55.58	−29 21 34.4	8.14	G	220.481 587 47	−29.359 558 91		11.66	64.52	−123.01	1.00	0.73	1.18	1.33	0.85	−12	− 7	−18	−19	− 7	−18	− 7	−38	+27	+ 0	0	−0.40
71860	14 41 55.77	−47 23 17.3	2.30	1 G	220.482 391 01	−47.388 141 27		5.95	−21.15	−24.22	0.46	0.45	0.76	0.54	0.62	−41	−14	−11	− 7	+18	−33	+16	−29	+27	−30	0	−1.60
71861	14 41 55.93	−58 36 56.6	6.21	H	220.483 053 91	−58.615 734 62		22.58	41.91	−39.05	0.54	0.49	0.74	0.83	0.70	− 3	− 6	+ 1	+ 4	+18	−22	+19	− 6	+ 1	+ 7	0	−1.13
71862	14 41 57.17	−28 03 56.8	7.01	2 H	220.488 212 49	−28.065 771 95		6.33	−1.75	5.90	1.42	0.77	1.10	1.58	1.00	+ 0	−22	− 8	− 6	−25	+ 3	−27	−32	+15	+ 4	0	0.41
71863	14 41 57.41	+14 27 13.9	10.13	H	220.489 192 49	+14.453 857 76		3.68	−48.85	20.96	1.34	1.32	1.87	1.56	1.43	−16	−19	−41	−14	−21	+27	−12	− 2	+ 2	−34	0	2.26
71864	14 41 57.50	+01 37 33.5	8.21	H	220.489 579 85	+01.625 985 33		2.63	−1.65	2.83	1.03	0.79	1.49	1.61	1.16	−23	+ 5	−46	+ 3	+ 3	−22	− 2	−46	+58	−27	0	−0.42
71865	14 41 57.61	−37 47 36.3	4.01	H	220.490 053 23	−37.793 423 94		10.69	−29.56	−30.68	0.62	0.41	0.72	0.55	0.55	−26	−37	+ 2	+ 7	− 1	− 3	− 4	− 5	+12	−20	2	0.42
71866 H	14 41 57.62	+85 17 42.0	8.87	H	220.490 085 14	+85.294 986 50	*	3.18	6.66	16.67	2.48	2.22	1.09	1.03	1.36	+14	+ 1	−20	−23	+ 1	+ 0	+ 4	− 8	+ 6	+ 6	1	−0.30
71867 H	14 41 57.83	+17 53 07.5	8.54	G	220.490 958 89	+17.885 424 51	A	25.17	29.64	−134.33	7.42	6.58	9.08	8.63	7.65	−34	+ 1	−20	+18	− 6	−25	−16	+ 4	+ 0	−54	26	5.05
71868	14 41 58.71	−03 31 24.9	8.92	2 H	220.494 638 99	−03.523 586 42		2.94	9.60	−14.51	1.31	1.09	1.36	1.51	1.46	+ 3	−31	−23	+38	− 4	− 2	− 5	+42	+ 5	−16	0	−0.38
71869	14 41 59.38	−00 39 05.8	9.26	H	220.497 419 45	−00.651 621 56		2.44	7.84	−3.45	1.49	1.03	1.51	1.66	1.21	−46	+11	+ 3	+44	+ 2	+39	+22	−59	+ 0	−22	0	0.65
71870	14 41 59.76	−77 00 41.1	6.34	H	220.499 006 23	−77.011 422 10		5.51	−21.07	−12.15	0.41	0.44	0.55	0.44	0.50	+14	−17	+ 5	− 1	+12	+ 2	+ 9	+15	+ 9	+21	1	−0.83
71871	14 42 00.37	−28 49 05.3	8.10	G	220.501 528 73	−28.818 138 55		5.45	8.59	3.48	1.07	0.72	1.26	1.67	0.98	−13	+20	− 9	−33	− 5	−41	− 1	−43	+26	−14	0	−1.49
71872	14 42 00.70	+52 00 19.1	7.55	H	220.502 904 36	+52.005 308 05		14.69	9.47	4.56	0.53	0.49	0.64	0.56	0.53	+ 7	−18	− 9	− 5	−18	+ 0	−15	+ 1	− 4	−19	0	0.11
71873	14 42 02.27	−12 14 05.6	6.82	H	220.509 438 23	−12.234 901 48		4.74	8.23	0.31	0.92	0.63	0.90	1.08	0.73	− 6	+ 4	−36	+61	− 9	+34	+ 4	+27	− 2	− 9	0	1.15
71874	14 42 02.47	−46 17 52.6	7.36	H	220.510 307 65	−46.297 931 67		1.59	−12.23	−6.23	0.60	0.60	0.96	0.78	0.96	−48	−15	−11	+ 8	+23	−25	+30	−35	+12	−37	0	−1.02
71875	14 42 02.90	−13 51 14.6	8.04	H	220.512 101 82	−13.854 042 48		9.64	−52.34	−10.28	1.00	0.74	1.03	1.36	0.93	−19	−12	−23	+35	−21	+10	−18	+37	−10	−17	0	2.58
71876 H	14 42 03.16	+61 15 43.2	6.24	G	220.513 154 91	+61.261 987 51	A	23.47	75.99	−29.54	0.56	0.56	0.57	0.52	0.53	+20	−18	−28	−14	−11	+ 4	−10	+10	+ 5	+10	2	−0.10
71877	14 42 05.63	−58 21 34.8	7.68	2 H	220.523 450 75	−58.359 660 70		1.23	−3.20	−0.46	0.68	0.58	0.91	0.98	0.82	+ 7	−20	− 4	+ 4	+18	−22	+17	− 3	− 4	+11	2	−1.38
71878	14 42 07.10	+49 07 36.3	10.17	H	220.529 578 04	+49.126 740 34	B	−0.53	−6.67	14.13	6.11	6.63	4.14	4.45	4.31	+ 6	− 4	−17	+ 2	−16	+14	− 9	+14	− 6	−23	4	0.14
71879	14 42 08.78	−04 51 08.8	8.84	H	220.536 562 72	−04.852 435 82		3.95	1.53	−3.30	1.56	1.26	1.81	1.68	2.00	−14	−56	−18	+57	−25	−38	−43	+50	+40	−63	0	1.09
71880	14 42 09.26	−41 39 41.3	8.91	H	220.538 562 53	−41.661 465 37		0.89	−16.95	−13.84	2.11	1.83	2.71	2.51	2.30	−13	−21	−25	− 5	+14	−14	+ 5	−20	+34	− 5	0	
71881	14 42 09.48	+67 17 19.8	9.66	H	220.539 505 47	+67.288 825 10		3.39	−34.82	−14.57	0.80	0.89	0.93	0.77	1.03	+ 6	−17	−25	−29	− 6	− 6	−10	− 9	+ 2	+ 2	3	−0.12
71882	14 42 09.70	+49 07 27.4	8.70	H	220.540 431 89	+49.124 286 44	A	2.73	−1.75	5.15	1.58	1.64	1.54	1.66	1.68	+ 6	− 2	−13	+ 7	−22	+11	−19	+ 8	− 5	−29	4	0.14
71883	14 42 09.74	−81 27 43.7	8.90	H	220.540 589 72	−81.462 132 59		2.62	−6.68	−3.93	0.75	0.85	0.95	0.83	1.01	+21	−13	− 2	−17	−14	+ 6	−17	−14	+13	+36	0	−0.70
71884	14 42 10.34	−51 40 31.7	8.78	H	220.543 066 40	−51.675 477 46		8.59	−45.62	−25.59	0.75	0.69	1.08	0.91	1.00	−15	−24	+10	+ 7	+12	−14	+16	−17	− 1	− 9	0	0.14
71885	14 42 10.85	−57 48 21.1	8.68	H	220.545 198 84	−57.805 867 44		3.92	−11.87	−9.19	0.86	0.62	1.11	0.92	0.94	+11	−43	− 2	+19	+18	−16	+22	−10	− 8	+ 3	0	−0.57
71886	14 42 11.22	+03 56 19.2	8.94	H	220.546 732 68	+03.938 662 97		11.53	−28.56	−19.37	1.23	0.87	1.47	1.41	1.06	−28	−13	−14	+16	− 6	−13	−10	−15	+29	−25	0	−0.69
71887	14 42 11.30	+31 55 35.9	8.79	H	220.547 075 17	+31.926 628 29		13.43	33.62	51.73	0.66	0.80	1.07	0.79	0.90	+ 3	− 9	−16	+ 0	− 2	+ 0	− 4	−15	− 7	−15	0	−0.66
71888	14 42 11.38	+31 08 12.4	9.01	H	220.547 399 64	+31.136 766 79		4.14	−23.83	−18.22	0.95	0.96	1.37	1.40	1.13	+17	− 7	−20	+ 7	−20	+ 4	−15	+ 0	−21	+ 5	0	0.34
71889	14 42 12.65	+39 24 28.5	8.15	H	220.552 700 83	+39.407 915 49		7.52	−16.72	50.42	0.58	0.67	0.92	0.69	0.78	+22	+ 8	− 6	+ 4	+ 4	− 4	−19	+ 1	+ 3	−24	+28	0	−1.25
71890	14 42 13.21	−32 46 12.0	6.63	H	220.555 027 23	−32.769 999 52		15.88	−130.54	−129.60	0.87	0.57	1.07	0.96	0.97	−40	−31	− 6	+29	−10	− 4	−20	− 2	+37	−44	2	0.80
71891	14 42 15.20	+40 03 19.4	8.80	H	220.563 344 36	+40.055 398 09		5.28	59.05	−58.29	0.64	0.79	0.99	0.73	0.86	+28	+ 1	− 3	+ 1	−12	−11	−14	−12	− 3	+15	0	0.78
71892	14 42 16.00	−17 49 22.4	8.79	H	220.566 681 69	−17.822 886 02		6.80	−19.56	4.86	0.97	0.66	1.16	1.28	0.88	−38	− 6	−14	+17	−13	+10	− 7	−13	+25	−14	0	−1.10
71893	14 42 16.38	−33 38 01.5	7.52	H	220.568 268 90	−33.633 744 22		5.00	3.40	8.27	0.82	0.56	0.98	0.99	0.81	−28	+ 0	−20	+31	−13	+31	− 5	+ 1	+ 2	−22	0	1.19
71894	14 42 16.68	+50 06 52.5	9.57	H	220.569 490 58	+50.114 582 83		5.94	2.41	−4.64	0.84	0.87	1.06	0.99	0.96	+ 0	+ 0	− 0	−11	+11	−20	+ 0	−22	+ 3	+ 1	−38	0	1.18
71895	14 42 19.25	+11 04 32.3	8.09	H	220.580 210 67	+11.075 635 06		2.57	16.40	−17.65	1.09	1.14	1.45	1.31	1.18	−22	+13	−46	−43	−13	+15	− 2	−55	+21	−17	0	1.36
71896	14 42 19.36	+56 31 20.2	9.21	H	220.580 685 30	+56.522 271 60		7.90	55.95	−56.48	0.85	0.84	0.95	1.01	0.99	+21	+ 3	−10	−17	−14	−10	−15	−21	−15	+26	1	1.88
71897	14 42 20.42	+36 36 45.3	8.68	H	220.585 069 42	+36.612 586 85		1.28	16.85	−26.26	0.63	0.66	0.97	0.76	0.75	+ 5	+ 8	+ 1	+ 5	− 5	−18	− 7	− 6	−15	− 4	1	−0.83
71898	14 42 22.01	+66 03 21.2	10.88	H	220.591 727 51	+66.055 886 09		101.34	−310.62	−59.22	10.84	12.16	12.77

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
71801	10.063	0.024	8.204	0.010		1.578	0.021	T	2.25	0.05	O	8.0439	0.0026	0.031	137		7.99	8.08		U 2			1							S
71802	9.549	0.017	8.171	0.010		1.181	0.016	T	4.09	0.04	O	7.4485	0.0097	0.153	108		7.32	8.05		U 2 C			1 V							S
71803	8.979	0.022	8.267	0.019		0.682	0.015	G	0.74	0.01	H	8.3306	0.0010	0.009	40		8.31	8.36		D			1							S
71804	10.415	0.035	8.972	0.018		1.217	0.031	T	1.18	0.03	L	9.0020	0.0017	0.013	86		8.98	9.03		C			1							
71805	9.745	0.023	9.070	0.020		0.625	0.025	T	0.69	0.02	L	9.1331	0.0022	0.019	88		9.10	9.16		C			1							
71806	9.110	0.019	8.453	0.017		0.636	0.015	G	0.70	0.01	H	8.5323	0.0025	0.012	62		8.51	8.55					1							S
71807	9.457	0.021	8.508	0.016		0.867	0.015	G	0.88	0.01	H	8.5567	0.0025	0.015	61		8.54	8.60					1							
71808	9.288	0.024	7.843	0.014		1.219	0.022	T	1.18	0.02	L	7.9076	0.0017	0.010	44		7.88	7.92		C			1							S
71809	8.884	0.011	8.347	0.010		0.521	0.015	G	0.59	0.02	H	8.4015	0.0017	0.014	115		8.38	8.42					1							S
71810	9.133	0.012	8.618	0.012	A	0.490	0.015	G	0.56	0.02	H *	8.5881	0.0016	0.014	128 *		8.57	8.61		D	14413+5239	I 1	2 C A	AB	238	2.081	0.008	2.13	0.03	S
71811	9.503	0.016	9.105	0.016	*	0.377	0.021	T	0.44	0.02	L *	9.1897	0.0018	0.018	112 *		9.16	9.23		C	14414+6210	H 1	2 C D	AB	298	0.469	0.085	4.04	0.37	D
71812	10.826	0.042	10.425	0.044		0.379	0.056	T	0.44	0.06	L	10.5241	0.0027	0.028	137		10.48	10.58		C			1							
71813	8.614	0.008	7.892	0.007		0.642	0.011	G	0.71	0.01	H	7.9438	0.0011	0.012	162		7.92	7.97					1							S
71814	10.819	0.044	9.988	0.034		0.797	0.004	G	0.84	0.00	H	9.9796	0.0023	0.019	95		9.94	10.01					1							G
71815	9.860	0.026	8.658	0.016	A	1.000	0.495	G	1.01	0.04	L *	8.6016	0.0019	0.015	93 *		8.58	8.63		D	14414−3357	I 1	2 C A	AB	5	2.196	0.008	2.28	0.07	
71816	8.370	0.014	7.156	0.008		1.038	0.013	T	1.01	0.01	L	7.2055	0.0012	0.010	85		7.19	7.23					1							S
71817	9.443	0.016	8.231	0.011		1.030	0.001	G	1.03	0.02	A	8.2858	0.0014	0.010	95		8.26	8.30		C			1							S
71818	9.710	0.023	9.100	0.021		0.566	0.023	T	0.64	0.02	L	9.1455	0.0021	0.017	86		9.12	9.18		C			1							
71819	9.064	0.035	8.468	0.032		0.603	0.002	G	0.67	0.00	H	8.4953	0.0013	0.012	72		8.48	8.52		C	14415+1337	I 1	1							S
71820	7.973	0.012	7.853	0.012		0.116	0.016	T	0.13	0.02	L	7.8735	0.0022	0.016	70		7.86	7.90		C	14415−0202	I 1	1							S
71821	10.894	0.052	10.338	0.052		0.521	0.066	T	0.59	0.07	L	10.4736	0.0030	0.032	115		10.41	10.52					1							G
71822	10.114	0.029	9.780	0.032		0.390	0.020	G	0.46	0.02	H	9.8203	0.0021	0.019	104		9.79	9.85		C			1							
71823	9.320	0.027	8.749	0.025		0.537	0.027	T	0.61	0.03	L	8.8018	0.0026	0.014	51		8.77	8.83		C			1							S
71824						1.494	0.006	G	2.03	0.03	I	12.1498	0.0080	0.078	91		12.01	12.26					1							G
71825	9.006	0.012	8.312	0.010	A	0.700	0.495	G	0.67	0.02	L *	8.3336	0.0015	0.015	130 *		8.31	8.37		C	14416+4423	I 1	2 C A	AB	9	6.841	0.027	3.44	0.13	S
71826	9.579	0.015	9.542	0.020		0.034	0.003	G	0.05	0.00	H	9.5708	0.0032	0.031	159		9.52	9.63					1							G
71827	9.156	0.014	8.397	0.011		0.692	0.014	T	0.75	0.01	L	8.4741	0.0014	0.015	124		8.45	8.50					1							S
71828	7.635	0.009	7.213	0.008	*	0.445	0.015	G	0.51	0.02	H *	7.3587	0.0010	0.009	114 *		7.35	7.38		D	14416+5124	I 1	2 C A	AB	308	1.891	0.002	0.10	0.01	S
71829	10.224	0.033	8.340	0.013		1.565	0.028	T	1.58	0.03	L	8.3012	0.0020	0.014	77		8.28	8.34					1 S							S
71830	10.224	0.033	9.671	0.032		0.518	0.041	T	0.59	0.04	L	9.7018	0.0016	0.020	77		9.67	9.73		C			1							
71831	10.623	0.033	10.439	0.047		0.176	0.054	T	0.19	0.06	L	10.3931	0.0028	0.036	176		10.33	10.45					1 S							G
71832	6.140	0.004	4.970	0.003		0.992	0.038	G	0.96	0.02	A	5.0289	0.0008	0.005	79		5.02	5.04					1							S
71833	8.953	0.016	8.515	0.016	A	0.700	0.495	G	0.45	0.05	L *	8.5529	0.0021	0.019	68 *		8.53	8.60		D	14417−4227	I 1	2 C B	AB	128	1.544	0.041	2.96	0.28	
71834	8.637	0.013	8.100	0.012		0.521	0.015	G	0.59	0.02	H	8.1500	0.0021	0.011	58		8.13	8.18					1							S
71835	8.994	0.016	8.635	0.016	*	0.349	0.020	T	0.41	0.03	L *	8.6521	0.0021	0.018	75 *		8.62	8.69		D	14417−4415	I 1	2 C A	AB	146	0.504	0.005	0.29	0.02	
71836	10.265	0.029	9.606	0.026		0.611	0.033	T	0.68	0.03	L	9.6505	0.0028	0.027	94		9.59	9.69					1							
71837	6.749	0.006	5.656	0.003		0.941	0.002	G	0.97	0.07	F	5.7131	0.0008	0.007	84		5.70	5.72		C			1							S
71838	9.088	0.014	8.676	0.014		0.389	0.018	T	0.45	0.02	L	8.7391	0.0016	0.015	100		8.71	8.77		C			1							S
71839	9.403	0.012	8.471	0.009		0.824	0.011	T	0.85	0.01	L	8.5306	0.0011	0.015	175		8.51	8.56					1							S
71840	9.033	0.016	7.924	0.010	*	0.956	0.015	T	0.94	0.01	L *	7.8930	0.0013	0.012	87 *		7.87	7.91		D	14417+0932	I 1	2 C B	BA	204	0.794	0.002	0.02	0.01	S
71841											T	10.8500	0.0040	0.033	58		10.79	10.90		C			1							G
71842	9.500	0.017	8.274	0.011		1.047	0.016	T	1.02	0.01	L	8.3103	0.0015	0.011	98		8.29	8.33		C	14418+0024	I 1	1							S
71843	8.246	0.011	7.709	0.008		0.493	0.003	G	0.57	0.00	H	7.7698	0.0013	0.010	92		7.75	7.80					1							S
71844	9.333	0.018	8.892	0.018		0.451	0.005	G	0.52	0.01	H	8.9160	0.0022	0.018	60		8.89	8.96					1							
71845	10.460	0.076	9.869	0.067		0.552	0.089	T	0.62	0.08	L	9.7991	0.0035	0.027	76		9.76	9.86					1							
71846	10.056	0.019	9.261	0.015		0.715	0.007	G	0.76	0.01	H	9.3099	0.0019	0.020	157		9.28	9.35		C			1							
71847	9.270	0.013	8.734	0.012		0.503	0.016	T	0.58	0.02	L	8.8134	0.0015	0.021	168		8.77	8.85					1							
71848	9.080	0.013	8.491	0.012		0.550	0.016	T	0.62	0.01	L	8.5639	0.0019	0.020	132		8.53	8.61					1							S
71849	9.795	0.018	8.939	0.015		0.767	0.018	T	0.81	0.01	L	9.0135	0.0016	0.019	132		8.98	9.05					1							
71850	8.813	0.014	8.289	0.013		0.496	0.015	G	0.57	0.02	H	8.3583	0.0017	0.013	91		8.34	8.38		C			1							S
71851	8.616	0.011	8.307	0.012		0.308	0.004	G	0.35	0.01	H	8.3671	0.0012	0.013	109		8.34	8.39		C			1							S
71852	10.979	0.052	10.572	0.062		0.385	0.075	T	0.45	0.08	L	10.7051	0.0041	0.044	173		10.62	10.78					1 S							G
71853	6.341	0.008	6.438	0.009	*	−0.083	0.001	G	−0.06	0.00	H *	6.3577	0.0010	0.009	76 *		6.34	6.37		D	14419−3056	I 1	2 C A	AB	347	0.997	0.002	0.90	0.01	S
71854	8.845	0.012	7.630	0.008		1.039	0.011	T	1.01	0.01	L	7.6945	0.0015	0.013	116		7.67	7.72					1							S
71855	7.604	0.006	6.814	0.005		0.707	0.006	G	0.76	0.01	H	6.8710	0.0011	0.012	139		6.86	6.89					1							S
71856	9.160	0.018	8.913	0.022	*	0.231	0.028	T	0.26	0.04	L *	9.0650	0.0041	0.060	183 *		9.01	9.23		U 2 C	14419−6905	I 1	2 C A	AB	24	4.599	0.010	1.62	0.04	
71857	7.580	0.007	6.508	0.005	*	0.928	0.007	T	0.92	0.01	L *	6.5588	0.0007	0.006	108 *		6.54	6.57		D	14419+2107	H 1	2 C S A	AB	91	0.151	0.023	2.16	0.43	S
71858	10.251	0.027	9.653	0.026		0.558	0.028	T	0.63	0.03	L	9.7082	0.0027	0.028	126		9.66	9.75		C			1							G
71859	8.708	0.012	8.196	0.012		0.487	0.013	G	0.56	0.01	H	8.2478	0.0021	0.013	67		8.23	8.27		C			1							S
71860	2.083	0.002	2.260	0.002		−0.154	0.002	T	−0.21	0.02	A	2.2296	0.0011	0.010	143		2.21	2.24	0.26	P 1 A	14419−4723	I 1	1							S P
71861	6.752	0.004	6.260	0.005		0.454	0.007	G	0.52	0.01	H	6.3140	0.0008	0.007	119		6.30	6.33					1							S
71862	8.818	0.017	7.157	0.009		1.389	0.015	T	1.36	0.02	L	7.1605	0.0027	0.023	58		7.14	7.21		U 2			1 G							S
71863	10.797	0.056	10.171	0.052		0.582	0.067	T	0.65	0.06	L	10.2593	0.0043	0.026	66		10.22	10.31		C			1							
71864	10.056	0.027	8.364	0.013		1.413	0.024	T	1.39	0.04	L	8.3534	0.0017	0.013	74		8.33	8.38		C			1							S
71865	3.787	0.002	3.969	0.002		−0.157	0.002	T	−0.18	0.02	A	3.9422	0.0004	0.005	116		3.93	3.95					1							S
71866	9.366	0.015	8.921	0.015	*	0.420	0.019	T	0.49	0.02	L *	8.9686	0.0021	0.018	120 *		8.94	9.00		C	14420+8518	H 1	2 C A	AB	286	0.286	0.024	2.68	0.30	
71867	9.160	0.015	8.533	0.013	A	0.623	0.126	G	0.64	0.02	L *	8.5684	0.0020	0.016	95 *		8.53	8.59		D	14420+1753	I 1	2 C D	AB	213	3.980	0.046	1.75	0.26	S D
71868	11.038	0.078	9.220	0.029		1.544	0.069	T	3.30	0.12	O	8.7234	0.0348	0.162	51		8.53	9.01	12.77	P 1 A			1 S							
71869	9.754	0.023	9.305	0.023		0.410	0.015	G	0.48	0.02	H	9.3542	0.0018	0.015	81		9.33	9.38		C			1							
71870	6.305	0.003	6.336	0.004		−0.027	0.002	G	−0.01	0.00	H	6.3357	0.0007	0.009	147		6.32	6.35					1							S
71871	8.358	0.011	8.113	0.012		0.210	0.004	G	0.23	0.01	H	8.1643	0.0015	0.011	63		8.14	8.19		C			1							S
71872	8.007	0.007	7.584	0.008		0.400	0.010	T	0.47	0.01	L	7.6391	0.0010	0.011	120		7.62	7.66					1							S
71873	8.405	0.014	6.963	0.009		1.216	0.013	T	1.18	0.01	L	6.9796	0.0011	0.008	50		6.97	6.99		C			1							S
71874	7.328	0.005	7.340	0.006		−0.015	0.001	G	−0.01	0.02	A	7.3627	0.0012	0.013	151		7.34	7.38					1							S
71875	9.059	0.017	8.131	0.013		0.823	0.015	G	0.85	0.01	H	8.1843	0.0017	0.015	61		8.17	8.21					1							
71876	6.681	0.005	6.236	0.005	*	0.409	0.007	G	0.44	0.03	C *	6.3117	0.0008	0.006	114 *		6.30	6.32		D	14421+6116	I 1	2 C A	AB	317	4.176	0.008	3.17	0.06	S
71877	7.885	0.008	7.723	0.009		0.156	0.011	T	0.17	0.01	L	7.7348	0.0025	0.023	124		7.70	7.79		U 2			1 S							S
71878	10.665	0.042	10.094	0.040	B	0.534	0.052	T	0.61	0.06	L	10.2576	0.0188			B				D	14422+4907	I 2	1 C I D							D
71879	10.158	0.046	8.870	0.027		1.096	0.042	T	1.06	0.04	L	9.0075	0.0016	0.012	43		8.97	9.03		D			1							S
71880	10.141	0.033	9.028	0.021		0.959	0.030	T	0.95	0.02	L	9.0728	0.0019	0.017	64		9.04	9.10		C			1 X							
71881	11.282	0.056	9.743	0.025		1.293	0.048	T	1.25	0.05	L	9.8238	0.0021	0.018	116		9.79	9.86		C			1							
71882	10.005	0.021	8.776	0.013	A	1.050	0.020	T	1.02	0.02	L	8.8688	0.0073	0.020	128	A	8.82	8.90		D	14422+4907	I 2	1 C P D							S D
71883	11.243	0.059	9.131	0.017		1.747	0.049	T	1.77	0.05	L	9.0045	0.0028	0.026	120		8.95	9.05					1 S							
71884	9.254	0.016	8.786	0.016		0.454	0.018	T	0.52	0.02	L	8.8781	0.0017	0.014	109		8.85	8.90		C			1							
71885	8.756	0.011	8.680	0.014		0.068	0.016	T	0.08	0.02	L	8.7030	0.0017	0.020	135		8.67	8.74					1							
71886	9.366	0.024	8.961	0.024		0.383	0.031	T	0.45	0.03	L	9.0264	0.0025	0.018	56		9.00	9.06					1							S
71887	9.318	0.013	8.828	0.013		0.461	0.017	T	0.53	0.02	L	8.8911	0.0020	0.024	144		8.85	8.93					1							S
71888	10.419	0.031	9.144	0.018		1.086	0.028	T	1.05	0.02	L	9.1788	0.0027	0.026	97		9.13	9.21					1							
71889	9.435	0.015	8.269	0.010		1.010	0.015	G	0.99	0.01	H	8.3192	0.0016	0.016	146		8.30	8.35					1							S
71890	7.788	0.009	6.734	0.006		0.912	0.009	G	0.91	0.01	H	6.7941	0.0008	0.008	77		6.78	6.81					1							S
71891	9.353	0.013	8.845	0.013		0.477	0.017	T	0.55	0.02	L	8.9064	0.0019	0.020	157		8.87	8.95		C			1							S
71892	9.214	0.016	8.813	0.016		0.379	0.021	T	0.44	0.02	L	8.8772	0.0018	0.015	100		8.85	8.91					1							S
71893	8.772	0.013	7.634	0.009		0.979	0.012	T	0.96	0.01	L	7.6885	0.0010	0.011	84		7.67	7.71					1							S
71894	10.330	0.030	9.632	0.026		0.644	0.032	T	0.71	0.03	L	9.7078	0.0027	0.022	115		9.66	9.76					1							
71895	9.416	0.022	8.208	0.014		1.033	0.020	T	1.01	0.02	L	8.2589	0.0013	0.011	70		8.24	8.29		C			1							S
71896	9.758	0.024	9.304	0.025		0.428	0.032	T	0.50	0.03	L	9.3094	0.0026	0.019	108		9.27	9.36					1 S							
71897	9.842	0.017	8.766	0.011		0.931	0.015	T	0.93	0.01	L	8.8399	0.0017	0.016	170		8.81	8.87		C			1							
71898						1.615	0.082	G	2.64	0.20	I	10.8699	0.0038	0.034	95		10.80	10.92					1 X							G G
71899	8.084	0.007	7.514	0.009		0.533	0.010	T	0.61	0.01	L	7.5816	0.0008	0.009	104		7.57	7.60					1							S
71900	9.368	0.015	7.682	0.008		1.435	0.014	T	2.81	0.03	O	7.3835	0.0067	0.055	109		7.28	7.50		U 2			1 S							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)																						Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas			mas/yr																						%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28													29	30
71901	14 42 23.38	−23 25 32.4	7.14	H	220.597 416 37	−23.425 659 15		2.13	−15.36	−6.45	0.79	0.55	0.98	0.84	0.64	−28	−37	−14	+ 6	− 6	+17	− 8	−21	+21	−21													0	1.23
71902	14 42 25.26	−26 34 50.8	9.53	H	220.605 241 78	−26.580 786 48		10.31	−33.94	−6.01	1.17	0.83	1.30	1.45	0.96	−25	− 8	+ 6	+ 5	− 9	+ 1	− 2	−23	− 2	− 1													0	−0.17
71903	14 42 25.55	−05 05 07.6	8.30	H	220.606 477 01	−05.085 436 80		3.76	3.35	−11.14	1.22	0.94	1.27	1.25	1.36	−15	−45	− 1	+47	− 9	−19	−20	+38	+30	−43													0	1.69
71904	14 42 26.42	+19 30 14.2	10.08	G	220.610 081 01	+19.503 957 13		38.62	−260.87	−177.29	1.22	1.37	2.01	1.34	1.40	−41	−12	−36	+24	+ 0	−10	− 2	+31	−29	−58													0	1.16
71905	14 42 28.09	+41 09 05.7	9.40	H	220.617 029 11	+41.151 596 75		0.18	−49.02	6.41	0.90	0.97	1.22	1.01	1.07	+38	−10	−19	− 8	−16	+ 4	−15	−20	− 9	+35													0	0.97
71906	14 42 28.15	−25 44 25.8	9.21	H	220.617 295 08	−25.740 495 32		2.35	1.98	−0.84	1.07	0.75	1.23	1.19	0.87	−21	− 8	− 8	− 7	−11	− 3	−12	−20	+12	−12													2	−0.23
71907	14 42 28.78	+05 19 01.3	9.71	G	220.619 921 11	+05.317 041 27		5.04	14.36	−22.27	1.49	1.04	1.67	1.60	1.17	−21	−35	− 9	+ 8	−24	− 3	−25	+10	+ 9	−17													0	1.53
71908	14 42 30.69	−64 58 28.5	3.18	H	220.627 854 33	−64.974 569 57		60.97	−192.64	−234.07	0.36	0.43	0.58	0.39	0.49	+22	−21	− 6	+27	+30	+ 1	+34	+18	−11	+42													0	0.88
71909	14 42 31.31	+02 17 42.9	7.80	H	220.630 451 34	+02.295 243 27		3.73	−7.92	−14.42	0.91	0.72	1.27	1.03	0.93	−11	−26	−47	− 3	+11	−22	−14	−44	+51	−37													0	−0.72
71910	14 42 31.44	−54 35 56.6	7.52	H	220.631 004 46	−54.599 049 78		4.15	−8.57	−0.92	0.72	0.47	0.92	0.94	0.82	+18	−11	− 2	+42	+28	+22	+29	− 3	+36	+27													0	0.16
71911	14 42 31.61	+60 13 51.6	8.11	1 H	220.631 710 51	+60.230 986 24		8.36	−15.52	−3.57	0.57	0.60	0.64	0.66	0.69	+24	+ 5	−18	− 6	− 5	− 3	− 5	−10	+ 1	+34													0	−1.71
71912	14 42 32.67	+04 39 50.7	9.11	H	220.636 129 98	+04.664 071 29		7.61	23.86	−11.51	1.27	0.90	1.47	1.36	1.03	−23	−41	− 6	+ 7	−27	− 5	−31	+ 9	+15	−17													0	0.85
71913	14 42 33.04	−38 57 08.8	10.53	H	220.637 677 14	−38.952 431 35		0.35	−6.69	−0.86	1.57	1.04	2.04	1.83	1.75	−15	−21	−21	+ 8	− 4	+16	+ 0	−28	+26	+ 2													4	2.22
71914 H	14 42 33.81	+19 28 48.6	9.10	G	220.640 856 99	+19.480 156 22	A	44.54	−253.82	−153.53	5.20	6.12	2.57	2.88	4.54	−21	− 7	−27	+19	− 9	−11	+ 5	+34	−18	−71													4	−0.70
71915	14 42 34.90	+04 29 12.5	7.85	H	220.645 414 87	+04.486 804 51		3.42	−9.23	−29.80	1.16	0.69	1.32	1.13	0.82	−13	−52	− 8	− 7	−26	+ 7	−36	+ 0	+28	− 9													0	1.17
71916	14 42 34.91	−21 11 37.6	8.86	H	220.645 477 75	−21.193 783 37		6.16	14.31	2.88	0.95	0.70	1.09	1.13	0.98	−38	−24	−12	+31	−21	+13	−25	+11	+16	−47													0	−0.25
71917	14 42 35.20	+22 43 47.5	10.72	H	220.646 661 95	+22.729 861 99		5.38	−34.55	10.71	1.52	1.33	1.92	1.85	1.45	− 8	−16	−35	+35	+ 4	+ 0	+ 6	+28	−28	−22													0	−0.83
71918	14 42 35.36	+72 51 35.6	9.16	H	220.647 322 27	+72.859 900 66		2.10	−1.52	−7.86	0.71	0.86	0.86	0.76	1.00	+ 9	− 8	−29	− 1	−13	− 5	−17	− 6	− 6	− 1													0	1.08
71919	14 42 35.36	−74 51 49.1	10.17	G	220.647 324 41	−74.863 639 33		−1.75	−1.63	−1.24	0.93	0.92	1.27	1.34	1.15	+21	+ 3	+12	−27	+ 0	−18	− 6	+13	+15	+38													0	−1.24
71920	14 42 35.38	−54 34 43.2	8.87	H	220.647 422 77	−54.578 655 22		0.80	−11.58	−10.74	0.96	0.69	1.27	1.31	1.12	+14	−11	− 8	+38	+27	+19	+29	− 2	+38	+32													4	2.41
71921	14 42 35.55	+20 29 29.7	7.94	H	220.648 132 90	+20.491 593 41		4.47	−19.13	6.15	0.63	0.72	0.93	0.68	0.73	−33	+11	−29	+41	− 4	− 6	−12	+43	−29	−43													0	0.53
71922	14 42 36.35	−32 43 34.6	11.94	3 H	220.651 468 88	−32.726 268 80		−26.03	1.90	−20.41	9.04	5.94	9.99	11.05	9.23	−32	−18	+ 1	+12	−11	− 3	−14	− 2	+15	−24													0	
71923	14 42 37.16	−44 10 42.6	9.02	H	220.654 849 00	−44.178 507 58		9.51	−54.64	−24.58	1.31	1.01	1.58	1.72	1.40	+ 2	+22	−18	−32	− 4	−41	−18	− 5	−19	+14													0	1.08
71924	14 42 39.08	+17 15 08.8	9.38	H	220.662 853 72	+17.252 452 09		2.44	−34.42	13.69	0.87	1.10	1.51	1.00	1.26	−40	− 4	−40	+34	−20	+ 9	−16	+39	−40	−50													0	−0.98
71925	14 42 39.54	+36 45 24.4	7.27	H	220.664 746 57	+36.756 786 67		8.45	28.83	−9.57	0.45	0.49	0.71	0.53	0.54	+19	+ 5	+ 6	− 3	−10	−14	−10	− 6	−17	+ 4													1	2.08
71926	14 42 40.00	−05 57 52.1	8.45	G	220.666 685 68	−05.964 470 27	A	13.99	−56.89	16.96	3.92	2.88	3.06	3.85	3.81	+ 5	−49	−20	+54	+ 0	−21	−19	+42	+31	−12													2	0.50
71927 H	14 42 41.09	−54 28 18.9	8.86	H	220.671 209 52	−54.471 925 60	*	1.26	2.71	−22.96	1.72	1.20	1.65	1.39	1.36	+14	−19	−11	+15	+10	−11	+ 4	−14	+40	+16													1	−0.22
71928	14 42 41.31	−05 58 09.2	9.68	H	220.672 119 16	−05.969 218 10	B	9.05	−64.79	17.34	19.51	14.00	9.83	12.64	11.24	+ 8	−47	−28	+37	− 2	−16	−18	+24	+30	− 9													2	0.50
*71929	14 42 42.33	−74 18 41.5	8.45	2 T	220.676 387 08	−74.311 516 34		17.95	111.63	−12.68	0.65	0.68	1.00	0.81	0.82	+12	− 6	+ 6	−11	+ 1	−40	+ 1	+11	+ 1	+23													0	0.42
*71930	14 42 42.29	+15 22 02.7	9.12	H	220.676 196 32	+15.367 426 49		11.49	4.94	14.93	1.04	0.82	1.23	1.42	0.95	+12	−18	−36	−21	−22	+13	−18	− 8	+10	+ 4													0	1.01
71931	14 42 42.45	+14 42 30.9	6.59	G	220.676 878 35	+14.708 593 85		14.73	−11.94	−7.40	0.73	0.65	0.96	0.82	0.75	− 9	−25	−34	−25	−16	+21	−10	− 6	+12	−31													0	0.59
71932	14 42 43.04	−49 15 00.0	8.85	H	220.679 335 74	−49.249 986 12		15.06	67.92	−0.15	0.84	0.81	1.28	0.94	1.03	−23	−25	− 8	+ 4	+16	−31	+ 9	−14	+29	−23													0	1.12
71933	14 42 43.60	−48 47 58.3	8.48	2 H	220.681 666 83	−48.799 540 62		11.97	−36.30	−34.90	0.70	0.66	1.23	0.91	0.89	− 9	−35	−17	+ 4	+14	− 5	+ 1	−28	+27	−16													0	−0.63
71934	14 42 45.10	−19 18 42.3	6.87	H	220.687 932 74	−19.311 742 76		6.58	−64.77	18.22	0.89	0.56	1.03	1.15	0.72	−19	−21	−23	+16	−13	+18	−11	−12	+10	−21													0	−0.66
71935	14 42 45.68	−36 45 58.9	9.27	H	220.690 332 66	−36.766 352 96		2.45	−18.37	−4.62	1.13	0.67	1.29	1.11	1.05	−26	−35	+13	+ 5	− 7	− 7	−16	− 2	+26	−16													0	−2.79
71936	14 42 46.00	−30 01 21.4	10.77	G	220.691 658 83	−30.022 612 87		8.47	−148.97	−51.34	2.03	1.48	2.78	2.34	1.90	−26	−13	−31	+14	+ 5	+19	+13	−45	+43	− 5													0	0.63
71937 H	14 42 46.50	−55 10 54.5	7.76	H	220.693 765 43	−55.181 804 65	A	5.54	5.77	−11.30	1.87	1.25	2.13	1.82	1.99	+11	−25	−10	+ 0	+21	−19	+16	−36	+36	−11													2	2.27
71938	14 42 47.39	+14 41 41.0	8.90	H	220.697 447 51	+14.694 716 79		13.33	−31.79	−29.47	1.04	0.92	1.39	1.19	1.07	+11	−31	−46	−30	−21	+20	−20	−26	+28	−15													0	0.92
71939	14 42 48.58	+04 02 44.3	8.81	G	220.702 419 48	+04.045 631 78		14.31	46.67	46.34	1.34	0.92	1.49	1.58	1.04	−38	−26	+22	+20	−35	−19	−31	+ 6	+11	−19													0	−0.84
71940	14 42 48.77	−68 55 54.9	8.50	H	220.703 190 65	−68.931 910 07		4.82	0.52	−2.63	0.62	0.78	1.02	0.73	0.88	+31	− 6	+ 5	− 3	+ 4	+ 6	+ 3	− 1	+ 5	+50													0	−0.02
71941	14 42 49.11	−45 35 51.1	8.13	G	220.704 616 91	−45.597 540 51		−0.16	−9.03	−1.92	0.70	0.79	1.02	0.82	1.08	−39	−13	−19	− 9	+38	−19	+38	−54	+ 6	−40													0	−0.06
71942	14 42 51.93	−58 05 11.6	7.36	H	220.716 375 48	−58.086 559 00		1.01	−7.42	−3.76	0.60	0.51	0.79	0.83	0.77	+10	−20	+ 6	+24	+21	−12	+24	− 8	+ 1	+15													3	0.04
71943	14 42 52.15	−24 29 30.4	7.79	G	220.717 284 53	−24.491 768 06		15.95	−248.30	−39.33	0.85	0.57	0.98	0.82	0.67	−19	−37	− 8	− 3	− 4	− 3	− 9	−20	+17	−15													0	−0.53
71944	14 42 52.35	−75 49 28.3	7.46	H	220.718 114 22	−75.824 529 84		4.55	−37.06	−28.37	0.54	0.54	0.72	0.58	0.64	+10	−15	+ 9	− 3	+20	−10	+16	+27	+ 9	+26													0	−2.21
71945	14 42 53.38	+29 05 16.9	8.21	H	220.722 401 46	+29.088 033 25		4.54	2.84	7.44	0.63	0.72	1.07	0.79	0.84	− 7	+ 1	−23	−36	−15	+ 1	+ 7	+26	− 7	−44													1	−0.13
71946 H	14 42 55.10	+08 04 34.2	7.35	H	220.729 576 20	+08.076 167 33	A	5.33	−3.77	6.37	1.03	0.90	1.18	1.10	1.06	−37	− 2	−21	+ 0	−26	+29	−34	+ 3	− 4	−59													1	−0.74
71947	14 42 55.14	−52 38 44.1	8.05	H	220.729 730 53	−52.645 594 32		2.28	−18.87	−9.94	0.67	0.60	0.93	0.70	0.83	−14	−36	+ 2	+ 3	+ 8	− 6	+11	− 1	− 5	−24													0	−1.58
71948	14 42 55.62	+02 40 48.6	9.19	H	220.731 760 36	+02.680 153 89		8.23	−130.92	−91.04	1.23	1.01	1.64	1.41	1.38	−35	−26	−32	+11	+20	−28	− 3	−44	+50	−55													0	1.05
71949	14 42 56.25	−50 13 50.4	9.09	H	220.734 366 45	−50.230 678 44		4.07	−36.85	0.13	0.94	0.76	1.28	1.01	1.03	− 6	−38	−14	+10	+15	−14	+11	− 6	+ 9	−14													3	0.78
71950	14 42 56.43	−40 37 34.5	9.42	H	220.735 130 36	−40.626 247 32		8.08	−122.43	−59.07	1.36	1.39	2.01	1.59	1.79	− 6	−28	−42	+ 2	− 4	−10	−14	+ 6	+11	−17													0	−0.53
71951	14 42 57.74	+07 36 49.1	8.27	H	220.740 590 46	+07.613 641 89		2.06	−19.28	−1.05	0.99	0.93	1.21	1.12	1.19	−49	−18	−14	+ 8	−28	+21	−30	+13	+ 4	−65													0	−1.13
71952	14 42 58.68	−37 20 30.3	8.66	H	220.744 487 20	−37.341 738 61		4.40	−24.11	35.55	0.95	0.62	1.16	0.81	0.87	−27	−40	+ 1	+ 4	+ 4	−12	− 5	−14	+23	−27													0	0.47
71953	14 42 58.76	−56 23 03.6	8.84	2 G	220.744 826 48	−56.384 344 92		−1.51	−1.28	−0.85	1.09	0.68	1.38	1.44	1.15	+29	−36	−23	+37	+23	− 9	+14	−18	+25	+23													0	1.42
71954	14 42 59.04	+21 46 21.6	8.47	H	220.745 985 93	+21.772 670 58		8.57	19.72	−32.29	0.74	0.79	1.06	0.78	0.86	−30	−11	−28	+26	−12	+ 0	− 5	+41	−36	−48													0	0.54
71955	14 42 59.30	−74 07 10.2	8.90	H	220.747 071 10	−74.119 492 95		5.05	−3.58	−18.01	0.75	0.80	1.09	0.93	0.91	+16	+ 1	+12	−22	− 2	−36	− 2	+14	− 3	+27													0	−1.14
71956 H	14 43 01.49	+64 10 24.0	8.87	H	220.756 226 24	+64.173 337 94	A	2.67	−18.26	9.42	1.33	1.19	1.14	1.24	1.21	+ 6	+ 0	−15	−12	− 4	+ 2	+ 2	+12	−11	−29													1	0.18
71957	14 43 03.56	−05 39 26.7	3.87	H	220.764 842 84	−05.657 429 10		53.54	104.23	−319.90	0.81	0.71	0.95	1.09	1.24	−23	−23	−16	+43	− 3	−15	−12	+18	+40	−40													0	1.58
71958	14 43 03.63	+24 24 48.7	9.66	H	220.765 107 29	+24.413 515 70		3.13	−70.37	12.16	0.94	0.91	1.35	1.24	0.99	−22	−15	− 8	+ 5	+ 2	−32	+ 3	+ 8	−23	−24													0	−1.69
71959	14 43 04.36	+59 02 31.4	9.17	H	220.768 156 30	+59.042 065 71		1.86	5.70	−2.33	0.67	0.75	0.81	0.66	0.84	+11	−30	−15	−15	− 2	− 1	− 4	−14	+ 5	+11													0	−1.21
71960	14 43 04.44	−62 12 26.1	7.40	H	220.768 498 39	−62.207 256 92		9.86	27.38	−22.09	0.62	0.55	0.83	0.67	0.63	+31	−26	− 7	+ 0	− 5	−23	− 8	+10	− 7	+44													0	−0.26
71961	14 43 04.55	+43 59 39.3	9.26	H	220.768 978 32	+43.994 259 70		1.77	6.70	−2.50	0.81	0.78	1.02	1.11	1.01	+11	− 3	− 9	+ 3	+ 3	+ 7	+ 4	+10	+ 1	− 4													0	1.46
71962	14 43 04.79	+10 14 55.3	8.87	H	220.769 955 31	+10.248 698 16		2.40	−32.47	7.81	1.00	0.95	1.29	1.02	1.01	−30	−29	−21	− 2	−19	+29	−13	−18	− 8	−42													0	−1.02
71963	14 43 05.20	−65 13 44.3	7.86	H	220.771 652 74	−65.228 985 73		1.37	−7.38	−9.53	0.51	0.64	0.91	0.54	0.70	+28	−26	−12	+11	+33	− 6	+31	+22	−13	+54													0	0.63
71964	14 43 05.96	+65 53 26.1	8.75	H	220.774 818 40	+65.890 589 16		1.73	9.24	8.72	0.73	0.81	0.85	0.88	0.96	+10	−16	−13	− 6	+ 2	+11	+ 4	− 2	− 1	−18													0	−0.50
71965	14 43 06.90	+42 54 07.2	8.83	2 T	220.778 731 89	+42.901 994 69		2.54	15.67	3.27	0.73	0.73	0.96	1.08	1.02	+22	+ 7	− 3	− 2	− 8	−20	− 8	− 4	+11	+11													0	−2.29
71966	14 43 08.48	−57 00 41.3	9.67	2 H	220.785 319 56	−57.011 478 20		4.23	−68.01	−42.07	1.26	1.15	1.80	1.68	1.62	+10	−40	+ 1	+ 4	+ 2	−13	+ 0	−38	+13	+17													0	2.77
71967	14 43 08.87	−30 21 33.1	8.54	2 H	220.786 971 03	−30.359 191 11		3.32	−11.21	−38.49	1.12	0.88	1.38	1.23	1.09	−42	+ 3	−23	+ 9	+15	+ 0	+27	−51	+34	−22													0	−0.04
71968	14 43 09.34	−58 15 59.2	7.11	H	220.788 907 05	−58.266 453 70		4.47	5.47	−4.22	0.62	0.52	0.86	0.88	0.78	+ 5	−24	+ 5	+14	+15	−18	+17	− 5	+ 1	+ 9													0	1.49
71969	14 43 09.74	−09 20 39.2	9.06	H	220.790 564 84	−09.344 222 03		4.94	−13.28	−16.27	1.21	1.19	1.76	1.41	1.27	−10	−27	−59	+19	+11	−21	− 7	− 9	+15	−43													0	0.79
71970	14 43 10.08	−25 06 36.4	8.16	G	220.791 982 03	−25.110 103 96		10.10	−81.77	−31.17	0.85	0.60	0.97	0.91	0.70	−20	−24	− 3	− 8	− 9	− 9	−12	−18	+14	−13													0	1.43
71971	14 43 12.05	+06 57 29.3	10.62	G	220.800 228 63	+06.958 131 04		5.46	−67.02	−0.97	1.59	1.39	2.06	1.73	1.70	−32	−20	− 9	−12	−25	+34	−26	+ 0	− 5	−49													0	0.74
71972	14 43 12.85	+01 19 47.0	9.60	H	220.803 546 73	+01.329 720 70		4.79	7.92	−30.66	1.49	1.12	1.70	2.05	1.50	−47	+28	−28	−29	+12	−33	+21	−66	+38	−38													0	−0.66
71973	14 43 13.09	+01 49 29.1	7.32	H	220.804 556 81	+01.824 762 39		6.50	−32.30	−19.56	0.92	0.68	1.17	1.29	0.92	−39	+16	−37	− 9	+11	−26	+15	−54	+48	−33													0	1.08
71974	14 43 13.57	−24 59 51.8	5.70	H	220.806 523 49	−24.997 730 99		7.97	−21.77	−9.12	0.68	0.49	0.78	0.73	0.57	−23	−25	− 2	−15	− 9	− 6	−11	−22	+ 8	−12													0	−0.88
71975	14 43 15.34	−47 34 13.7	6.91	H	220.813 919 19	−47.570 482 64		1.21	−6.44	−4.83	0.50	0.48	0.81	0.57	0.66	−34	−20	−14	− 6	+24	−25	+21	−34	+26	−29													1	0.18
71976	14 43 16.26	+29 41 55.9	9.10	H	220.817 756 85	+29.698 866 42		2.67	42.56	−65.16	0.79	0.85	1.30	1.03	0.97	+ 2	−26	−36	−26	−16	+26	+10	+20	−30	−42													0	0.50
71977 H	14 43 16.62	−37 32 24.9	8.81	H	220.819 232 10	−37.540 261 22	A	5.75	2.40	−5.96	2.84	2.11	2.72	1.91	2.04	−11	−32	− 3	+ 4	+ 8	−16	− 3	−12	+21	−17													1	1.21
71978	14 43 18.13	+25 00 03.9	9.42	1 H	220.825 540 55	+25.001 070 11		−0.09	−3.49	−4.49	1.03	0.88	1.39	1.32	1.10	− 8	−14	−24	+16	− 7	−12	− 3	+30	−21	−42													0	−1.40
71979	14 43 18.50	+05 49 39.8	10.44	G	220.827 070 17	+05.827 709 94		11.38	−898.37	1.74	1.79	1.36	2.06	2.07	1.60	−28	+16	− 8	−10	−15	− 3	−16	−10	− 9	−23													0	0.95
71980	14 43 19.02	+54 44 53.6	8.53	H	220.829 269 31	+54.748 231 11		6.03	−36.15	25.34	0.63	0.69	0.77	0.71	0.72	+16	−10	−26	+10	−16	+ 8	−21	−19	+ 3	−10													0	0.19
71981	14 43 19.26	+26 44 59.0	9.67	G	220.830 235 00	+26.749 730 66		14.36	−332.44	12.97	1.25	1.08	2.01	1.64	1.55	+29	−48	−50	+ 7	+21	−32	− 5	−18	+27	−53													0	0.09
71982	14 43 19.31	−10 35 19.2	8.47	H	220.830 453 41	−10.588 662 25		5.71	−23.98	−25.10	1.04	0.93	1.35	1.36	1.13	− 8	−16	−50	+24	−18	+23	− 9	+15	+ 9	−12													0	1.07
71983	14 43 20.09	+09 29 28.8	10.36	G	220.833 688 65	+09.491 340 00		3.77	−4.59	−38.79	1.69	1.54	2.18	1.59	1.71	−18	−41	−22	−21	− 7	+22	−14	−40	+14	−38													2	−0.16
71984	14 43 20.42	+30 42 37.0	9.11	H	220.835 079 08	+30.710 287 83		10.26	36.15	34.31	0.93	0.89	1.25	1.31	1.08	+14	− 5	−16	+16	+ 6	+10	+ 9	+ 6	−22	+ 6													2	−0.28
71985	14 43 21.14	+53 47 37.9	7.29	H	220.838 063 91	+53.793 850 62		2.49	−48.26	7.85	0.55	0.55	0.66	0.60	0.61	+15	−11	−14	−10	−21	−10	−23	−11	− 1	− 7													0	−0.63
71986	14 43 21.55	−41 01 27.3	8.00	G	220.839 777 23	−41.024 237 17		8.12	0.75	13.01	0.93	0.97	1.26	1.09	1.08	−14	−16	−38	− 3	+14	−12	+ 8	−23	+20	−12													0	−0.28
71987	14 43 21.75	−27 21 17.9	9.64	H	220.840 644 86	−27.354 982 15		9.80	31.71	7.75	1.40	0.88	1.57	1.98	1.11	− 7	−23	−21	+ 9	−16	+19	−11	−13	+12	+ 5													0	1.78
71988	14 43 22.00	−65 16 50.9	10.07	H	220.841 651 29	−65.280 812 80		3.71	−10.08	−5.40	0.93	1.05	1.47	1.06	1.29	+21	−22	+ 2	+21	+18	− 1	+20	+17	− 5	+43													2	0.53
71989	14 43 22.39	+51 55 04.2	8.22	H	220.843 285 61	+51.917 819 49		20.79	−63.25	118.35	0.59	0.55	0.70	0.66	0.60	+ 7	−10	− 6	− 8	−19	+ 1	−18	− 7	− 1	−19													1	1.34
71990 H	14 43 23.05	−66 46 42.9	8.89	1 G	220.846 032 43	−66.778 590 94	A	1.06	−9.69	−7.06	1.02	1.33	1.64	1.08	1.47	+25	−13	−18	+ 2	+14	− 7	+13	+24	−12	+33													4	0.93

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
71901	8.613	0.012	7.273	0.008		1.136	0.011	T	1.10	0.01	L	7.3116	0.0016	0.009	81		7.30	7.33					1							S
71902	10.284	0.033	9.605	0.028		0.617	0.033	T	0.69	0.03	L	9.6556	0.0030	0.022	85		9.62	9.68		C			1							
71903	10.214	0.046	8.457	0.020		1.465	0.040	T	1.47	0.06	L	8.4311	0.0016	0.014	52		8.41	8.45					1							
71904	11.753	0.099	10.136	0.035		1.340	0.020	G	1.55	0.03	I	10.1208	0.0032	0.025	90		10.08	10.17			14425+1929	I 2	1							
71905	10.582	0.038	9.496	0.023		0.939	0.034	T	0.93	0.03	L	9.5575	0.0020	0.025	136		9.50	9.61					1							
71906	11.166	0.068	9.324	0.024		1.532	0.057	T	1.58	0.12	L	9.3307	0.0022	0.019	82		9.29	9.36					1							
71907	10.292	0.036	9.721	0.034		0.620	0.020	G	0.69	0.02	H	9.8325	0.0033	0.021	68		9.79	9.87		C			1							
71908	3.502	0.002	3.211	0.002		0.256	0.012	G	0.26	0.02	A	3.2465	0.0004	0.004	162		3.24	3.25		C	14425−6459	I 1	1							S
71909	9.114	0.016	7.916	0.011		1.025	0.015	T	1.00	0.01	L	7.9672	0.0013	0.008	73		7.95	7.98					1							S
71910	7.762	0.006	7.563	0.008		0.190	0.009	T	0.21	0.01	L	7.5836	0.0009	0.009	145		7.57	7.60		C			1							S
71911	8.523	0.009	8.147	0.010		0.380	0.009	G	0.44	0.01	H	8.1937	0.0018	0.015	122		8.16	8.22		U 2			1							S
71912	9.656	0.024	9.192	0.025		0.437	0.032	T	0.51	0.03	L	9.2088	0.0025	0.016	64		9.18	9.23		C			1							
71913	10.664	0.042	10.506	0.060		0.152	0.069	T	0.17	0.07	L	10.5805	0.0032	0.028	88		10.53	10.63					1							G
71914	10.757	0.045	9.191	0.020	*	1.290	0.001	G	1.48	0.00	I	*	9.1499	0.0022	0.019	95	*	9.11	9.18		D	14425+1929	I 2	2 C	A	AB	255	0.316	0.006	0.28	0.07	
71915	9.294	0.019	7.989	0.012		1.109	0.018	T	1.07	0.02	L	8.0160	0.0018	0.013	66		7.99	8.04		C			1	S						S
71916	9.328	0.018	8.911	0.018		0.408	0.021	T	0.47	0.02	L	8.9543	0.0015	0.012	83		8.93	8.97					1							
71917	11.375	0.085	10.724	0.077		0.604	0.097	T	0.67	0.09	L	10.8517	0.0038	0.030	75		10.80	10.91					1							G
71918	10.897	0.060	9.301	0.025		1.337	0.051	T	1.30	0.06	L	9.3165	0.0020	0.018	96		9.29	9.35		C			1							
71919	10.199	0.026	10.226	0.039		0.040	0.015	G	0.06	0.01	H	10.2010	0.0026	0.027	143		10.16	10.25					1							G
71920	8.990	0.012	8.900	0.015		0.147	0.015	G	0.16	0.01	H	8.9220	0.0018	0.024	144		8.89	8.96			14426−5435	I 1	1	S						
71921	9.347	0.015	8.055	0.009		1.099	0.014	T	1.06	0.01	L	8.1057	0.0014	0.013	108		8.09	8.13					1							S
71922											T	12.0585	0.0224	0.168	78		11.52	12.24		U 2			1 X	S						D P
71923	9.547	0.021	9.046	0.021		0.482	0.023	T	0.55	0.02	L	9.1302	0.0031	0.021	57		9.10	9.17		C			1							
71924	10.022	0.030	9.469	0.028		0.518	0.037	T	0.59	0.04	L	9.4965	0.0023	0.019	95		9.45	9.53					1	S						
71925	7.478	0.004	7.297	0.005		0.173	0.006	T	0.19	0.01	L	7.3329	0.0009	0.011	170		7.32	7.35		C			1							S
71926			8.651	0.015	A	0.505	0.015	G	0.58	0.02	H	8.5199	0.0200	0.023	36	A	8.46	8.54			14427−0558	I 2	1 C	P D						S D
71927	9.454	0.015	8.903	0.014	*	0.522	0.016	T	0.59	0.02	L	*	8.9769	0.0016	0.017	148	*	8.95	9.00		C	14427−5428	I 1	2 C	A	AS	29	0.206	0.005	0.16	0.15	
71928	10.494	0.087	9.566	0.062	B	0.821	0.079	T	0.84	0.06	L	9.7577	0.0473			B					14427−0558	I 2	1 C	I D						D
71929	9.214	0.013	8.518	0.011		0.630	0.013	T	0.70	0.01	L	8.5283	0.0213	0.182	134		8.39	8.85	0.29	P 1 A			1							
71930	9.864	0.028	9.215	0.025		0.602	0.032	T	0.67	0.03	L	9.2533	0.0022	0.023	69		9.21	9.29					1							
71931	6.994	0.006	6.604	0.006		0.366	0.015	G	0.43	0.02	H	6.6656	0.0014	0.008	72		6.65	6.68					1							S
71932	9.662	0.019	8.947	0.016		0.657	0.020	T	0.72	0.02	L	8.9877	0.0019	0.020	121		8.95	9.02		C			1							
71933	9.171	0.013	8.540	0.012		0.606	0.015	G	0.68	0.01	H	8.6086	0.0046	0.034	137		8.56	8.67		U 2 C			1 G							
71934	8.418	0.012	7.012	0.006		1.200	0.015	G	1.15	0.02	A	7.0390	0.0011	0.008	83		7.03	7.05		C			1							S
71935	9.988	0.025	9.357	0.023		0.582	0.025	T	0.65	0.02	L	9.3955	0.0020	0.017	105		9.35	9.42					1							
71936						0.797	0.015	G	0.84	0.01	H	10.9268	0.0044	0.030	71		10.85	11.00					1							G
71937	8.244	0.013	7.760	0.013	*	0.456	0.016	T	0.53	0.02	L	*	7.8633	0.0010	0.012	152	*	7.84	7.88		D	14428−5511	I 1	2 C	A	AB	201	5.678	0.003	0.26	0.01	S
71938	9.773	0.028	8.960	0.023		0.718	0.028	T	0.77	0.02	L	9.0424	0.0024	0.016	66		9.02	9.06		C			1							S
71939	9.370	0.021	8.900	0.021		0.477	0.002	G	0.55	0.00	H	8.9162	0.0020	0.017	54		8.89	8.94		C			1							
71940	10.021	0.022	8.615	0.012		1.188	0.020	T	1.15	0.02	L	8.6661	0.0019	0.022	180		8.64	8.70					1	S						
71941	8.703	0.010	8.199	0.010		0.474	0.013	T	0.55	0.01	L	8.2389	0.0016	0.016	119		8.22	8.26		C			1							S
71942	7.469	0.006	7.374	0.007		0.093	0.009	T	0.11	0.01	L	7.3937	0.0011	0.010	124		7.38	7.42					1							S
71943	8.612	0.011	7.868	0.009		0.664	0.010	G	0.73	0.01	H	7.9259	0.0017	0.011	77		7.91	7.94					1							S
71944	8.759	0.011	7.579	0.007		1.011	0.010	T	0.99	0.01	L	7.6288	0.0011	0.011	134		7.61	7.65					1							S
71945	8.267	0.007	8.213	0.008		0.055	0.010	T	0.07	0.01	L	8.2304	0.0015	0.017	157		8.20	8.27		C			1							S
71946	7.754	0.010	7.355	0.010	*	0.377	0.013	T	0.44	0.01	L	*	7.4369	0.0011	0.009	93	*	7.42	7.45		D	14429+0805	I 1	2 C	A	AB	229	4.688	0.012	2.86	0.07	S
71947	9.855	0.023	8.209	0.011		1.377	0.020	T	1.35	0.02	L	8.1942	0.0012	0.014	125		8.17	8.22					1							
71948	10.161	0.038	9.284	0.027		0.783	0.035	T	0.82	0.03	L	9.3384	0.0018	0.014	72		9.32	9.36					1							
71949	9.632	0.020	9.134	0.020		0.480	0.022	T	0.55	0.02	L	9.1940	0.0020	0.017	104		9.16	9.23		C			1							
71950	10.515	0.045	9.521	0.032		0.858	0.043	T	0.87	0.03	L	9.5606	0.0044	0.027	51		9.53	9.60					1							
71951	9.588	0.019	8.374	0.012		1.038	0.018	T	1.01	0.01	L	8.4372	0.0017	0.014	88		8.41	8.46					1							S
71952	10.048	0.024	8.786	0.015		1.075	0.022	T	1.04	0.02	L	8.8328	0.0014	0.014	117		8.80	8.86		C			1							
71953	8.994	0.011	8.885	0.014		0.140	0.015	G	0.15	0.01	H	8.8964	0.0020	0.023	160		8.86	8.94		U			1	S						
71954	9.035	0.013	8.528	0.013		0.476	0.017	T	0.55	0.02	L	8.5740	0.0018	0.016	107		8.55	8.60		C			1							S
71955	9.369	0.015	8.959	0.015		0.401	0.018	T	0.47	0.02	L	8.9962	0.0019	0.024	135		8.97	9.04					1							
71956	10.110	0.028	8.976	0.018	*	0.976	0.026	T	0.96	0.02	L	*	9.0306	0.0016	0.015	114	*	9.00	9.06		D	14430+6410	H 1	2 C	A	AB	240	0.578	0.017	2.72	0.07	S
71957	4.331	0.003	3.914	0.003		0.385	0.006	G	0.47	0.02	A	3.9589	0.0006	0.004	46		3.95	3.97					1							S
71958	10.382	0.035	9.731	0.031		0.604	0.040	T	0.67	0.04	L	9.7913	0.0029	0.023	93		9.75	9.82					1							
71959	9.408	0.015	9.170	0.018		0.227	0.022	T	0.25	0.03	L	9.2394	0.0017	0.016	115		9.20	9.27					1							
71960	7.599	0.006	7.425	0.008		0.159	0.010	T	0.18	0.01	L	7.4562	0.0012	0.012	127		7.44	7.48		C			1							S P
71961	10.541	0.029	9.351	0.018		1.019	0.027	T	0.99	0.02	L	9.4254	0.0016	0.021	130		9.38	9.45					1							
71962	9.352	0.021	8.900	0.021		0.426	0.027	T	0.49	0.03	L	8.9690	0.0015	0.014	83		8.94	9.00		C			1							S
71963	7.860	0.006	7.851	0.008		0.013	0.009	T	0.03	0.01	L	7.8736	0.0011	0.015	191		7.85	7.90					1							S
71964	10.043	0.024	8.879	0.016		0.999	0.022	T	0.98	0.02	L	8.9064	0.0023	0.022	107		8.88	8.95		C			1							
71965	10.184	0.024	8.949	0.014		1.054	0.022	T	1.02	0.02	L	8.9650	0.0178	0.099	141		8.88	9.15	35.32	P 1 A			1							
71966	10.422	0.030	9.698	0.025		0.651	0.030	T	0.71	0.03	L	9.8070	0.0035	0.036	149		9.77	9.88		U 2			1 G							G
71967	9.884	0.023	8.690	0.015		1.022	0.021	T	1.00	0.02	L	8.7076	0.0068	0.046	80		8.64	8.78	11.80	P 1 A			1							
71968	8.975	0.014	7.270	0.007		1.423	0.012	T	1.41	0.02	L	7.2471	0.0011	0.009	130		7.23	7.26					1							S
71969	9.660	0.026	9.145	0.024		0.484	0.032	T	0.56	0.03	L	9.1645	0.0030	0.019	56		9.13	9.19		C			1							
71970	8.680	0.012	8.203	0.011		0.461	0.002	G	0.53	0.00	H	8.2563	0.0015	0.013	93		8.23	8.28					1							S
71971						0.590	0.020	G	0.66	0.02	H	10.7368	0.0030	0.029	88		10.68	10.79					1							G
71972	10.191	0.025	9.698	0.025		0.464	0.032	T	0.53	0.03	L	9.7060	0.0022	0.017	105		9.67	9.74		C			1							
71973	7.347	0.006	7.323	0.006		0.027	0.008	T	0.04	0.01	L	7.3390	0.0011	0.008	84		7.33	7.36		C			1							S
71974	5.703	0.003	5.697	0.004		0.006	0.004	T	0.03	0.00	L	5.7097	0.0009	0.006	91		5.70	5.73					1							S
71975	6.840	0.003	6.893	0.004		−0.051	0.001	G	−0.03	0.00	H	6.8986	0.0009	0.008	161		6.88	6.92					1							S
71976	10.339	0.027	9.209	0.017		0.972	0.025	T	0.96	0.02	L	9.2593	0.0020	0.020	128		9.22	9.29		C			1							
71977	9.170	0.024	8.630	0.022	*	0.513	0.025	T	0.59	0.03	L	*	8.9231	0.0024	0.020	106	*	8.89	8.97		D	14433−3732	I 1	2 C	A	AB	267	2.679	0.011	0.53	0.02	
71978	11.536	0.084	9.606	0.026		1.636	0.072	T	1.71	0.17	K	9.5245	0.0034	0.026	97		9.48	9.57		U			1							
71979						0.714	0.017	G	0.76	0.02	H	10.5704	0.0040	0.030	76		10.52	10.62					1	S						
71980	9.961	0.023	8.675	0.014		1.094	0.021	T	1.06	0.02	L	8.6998	0.0017	0.015	115		8.68	8.72		C			1							
71981	10.581	0.041	9.747	0.032		0.733	0.005	G	0.78	0.01	H	9.7993	0.0028	0.022	107		9.75	9.85		C			1							
71982	9.095	0.020	8.519	0.018		0.538	0.024	T	0.61	0.03	L	8.5848	0.0015	0.009	45		8.57	8.60		C			1							S
71983	10.756	0.054	10.328	0.057		0.410	0.020	G	0.48	0.02	H	10.4527	0.0031	0.029	84		10.40	10.50					1							
71984	9.795	0.019	9.170	0.018		0.581	0.023	T	0.65	0.02	L	9.2385	0.0024	0.024	108		9.20	9.28		C			1							S
71985	8.604	0.010	7.411	0.006		1.022	0.009	T	1.00	0.01	L	7.4576	0.0016	0.014	116		7.44	7.48					1							S
71986	8.511	0.014	8.022	0.014		0.453	0.015	G	0.52	0.02	H	8.0925	0.0031	0.013	54		8.07	8.13					1							S
71987	10.551	0.043	9.758	0.035		0.703	0.042	T	0.76	0.04	L	9.7759	0.0022	0.016	72		9.74	9.81		C			1							
71988	10.426	0.035	10.065	0.043		0.351	0.049	T	0.41	0.05	L	10.1492	0.0034	0.041	191		10.07	10.22					1	S						G
71989	9.019	0.012	8.308	0.010		0.659	0.015	G	0.72	0.01	H	8.3547	0.0017	0.014	115		8.32	8.38					1							S
71990	8.963	0.009	8.862	0.012	A	0.082	0.002	G	0.09	0.00	H	*	8.8832	0.0021	0.028	210	*	8.84	8.93		U	14434−6647	I 1	2 C	D	AB	109	4.500	0.050	3.81	0.22	D
71991	9.387	0.016	8.809	0.015		0.540	0.019	T	0.61	0.02	L	8.8519	0.0019	0.019	112		8.82	8.88					1							
71992	10.032	0.027	8.775	0.016		1.071	0.025	T	1.04	0.02	L	8.8593	0.0018	0.015	86		8.84	8.89					1							
71993	9.946	0.024	9.696	0.028		0.238	0.035	T	0.27	0.04	L	9.7825	0.0029	0.023	109		9.74	9.81					1							
71994	7.806	0.006	7.559	0.007	*	0.235	0.008	T	0.26	0.01	L	*	7.6008	0.0015	0.012	157	*	7.58	7.62			14434−5451	H 1	2 C	S B	AB	0	0.170	0.027	2.28	0.53	S
71995	6.978	0.006	5.005	0.005		1.672	0.006	T	2.13	0.03	O	4.8689	0.0019	0.028	118		4.81	4.90	35.33	P 1 A			1	S						S P
71996	10.992	0.046	9.752	0.025		1.058	0.041	T	1.02	0.03	L	9.8304	0.0023	0.027	139		9.77	9.89					1							
71997	7.844	0.010	6.649	0.006		1.023	0.009	T	1.00	0.01	L	6.6892	0.0010	0.006	58		6.68	6.70		C			1							S
71998	10.743	0.057	10.245	0.057		0.550	0.020	G	0.62	0.02	H	10.3570	0.0037	0.026	80		10.31	10.40		C			1							
71999	8.310	0.011	7.791	0.009		0.510	0.015	G	0.58	0.02	H	7.8436	0.0014	0.009	76		7.83	7.87					1							S
72000	6.278	0.003	6.378	0.003	*	−0.086	0.003	T	−0.07	0.00	L	*	6.3663	0.0017	0.021	200	*	6.33	6.39		U 2 C	14435−6258	I 1	2 C	A	AB	80	0.241	0.004	1.40	0.06	S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)														Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
1 2	h m s	±° ′ ″	mag	6 7	deg	deg	10	mas	mas/yr		mas		mas	mas/yr		19	20	21	22	23	24	25	26	27	28	%		29	30
	3	4	5		8	9		11	12	13	14	15	16	17	18														
72001 H	14 43 28.39	−63 21 29.2	9.31	G	220.868 282 77	−63.358 104 09	A	3.26	−7.39	−3.31	3.58	4.50	2.17	1.47	2.00	−23	− 1	+ 9	+41	+ 5	− 7	+10	+21	+ 4	+27	2	−0.18
72002	14 43 29.50	−03 56 58.3	9.55	H	220.872 919 64	−03.949 515 51		8.90	27.73	−83.17	1.49	1.02	1.56	1.70	1.26	+ 9	−38	−15	+25	+ 2	+16	+ 3	+31	+ 3	+10	0	0.60
72003	14 43 31.76	−39 12 28.2	8.69	H	220.882 330 60	−39.207 837 23		1.55	3.14	−7.80	0.98	0.74	1.26	1.02	1.04	− 4	−27	−34	+10	+ 5	−10	− 3	−20	+24	−10	0	−0.43
72004	14 43 32.53	+53 03 54.6	10.58	H	220.885 523 72	+53.065 174 44		1.40	−16.44	−23.24	1.03	1.07	1.28	1.04	1.15	+20	−23	−21	−10	− 7	− 4	− 9	−18	+ 2	− 2	1	−0.50
72005	14 43 34.31	−77 03 02.7	8.88	H	220.892 957 79	−77.050 738 42		9.43	−70.57	−72.58	0.65	0.77	0.89	0.73	0.82	+15	− 9	+13	+12	+17	− 4	+16	+30	− 2	+23	1	−2.20
72006	14 43 36.88	+48 58 57.8	8.73	H	220.903 665 03	+48.982 726 78		2.02	1.72	0.91	0.65	0.61	0.76	0.77	0.71	+13	− 6	− 7	+10	−10	+ 7	− 9	+10	− 4	−10	3	1.35
72007 H	14 43 38.49	+37 44 58.9	9.42	H	220.910 371 46	+37.749 693 56	B	6.80	−26.69	51.22	4.16	4.41	5.92	4.67	4.59	−16	+29	+14	−24	+ 4	−27	+ 5	− 3	−15	−29	0	3.92
72008	14 43 39.45	+15 57 49.9	8.46	H	220.914 386 79	+15.963 854 84		1.69	−25.66	−14.76	0.94	0.76	1.08	1.28	0.89	− 4	−11	−11	+ 0	−22	+ 6	−16	+11	−21	+ 4	0	1.63
*72009	14 43 39.49	+62 33 48.0	8.11	H	220.914 535 71	+62.563 333 26		5.90	13.80	5.36	0.57	0.58	0.64	0.62	0.68	+ 4	−17	−16	−15	− 1	− 2	+ 2	+13	− 7	− 7	4	1.49
*72010	14 43 39.48	−35 10 23.6	4.06	H	220.914 514 58	−35.173 225 49		15.89	−60.93	−176.82	0.65	0.40	0.71	0.64	0.62	−23	−17	− 2	− 1	−11	+ 5	−17	+ 2	− 7	−24	0	1.35
72011	14 43 41.54	−27 46 15.0	8.31	H	220.923 082 44	−27.770 836 14		8.41	−60.88	−77.21	0.97	0.64	1.08	1.47	0.87	−14	−14	−15	+ 5	−19	+15	−14	−12	+ 0	− 9	0	−2.34
72012	14 43 44.44	+40 27 33.1	5.72	1 H	220.935 185 66	+40.459 203 38		4.11	−13.40	20.79	0.41	0.45	0.58	0.46	0.49	+19	− 4	− 9	− 9	− 5	− 3	− 5	−11	− 8	+ 9	2	0.59
72013 H	14 43 45.84	−51 24 42.5	9.29	H	220.941 012 74	−51.411 794 28	A	14.76	−104.76	−26.95	1.93	1.76	2.30	2.36	2.21	− 5	− 9	+12	+ 7	+17	− 7	+18	−15	+ 4	+ 4	1	0.23
72014	14 43 46.20	+00 02 51.3	9.10	G	220.942 494 43	+00.047 583 83		14.42	−177.24	−61.13	1.23	1.02	1.61	1.52	1.26	−28	+15	−53	+15	− 5	+14	+12	−54	+43	− 9	0	−0.90
72015	14 43 46.46	−02 30 19.8	7.21	H	220.943 590 92	−02.505 489 29		7.78	−30.84	−26.13	0.92	0.79	0.94	0.94	0.88	− 4	−27	−25	+40	− 9	+ 2	− 5	+43	−13	−16	3	0.67
72016	14 43 46.75	+43 43 15.2	8.96	H	220.944 777 30	+43.720 898 52		6.70	31.83	−36.04	0.74	0.77	0.99	1.01	0.93	− 2	− 1	− 7	+15	−15	− 3	−14	+10	− 9	−11	0	−1.11
72017	14 43 48.17	−54 14 23.7	8.75	H	220.950 706 92	−54.239 929 44		12.85	−46.42	−123.27	0.93	0.62	1.36	1.05	1.08	+ 3	−42	− 4	+19	+16	− 9	+ 6	−10	+28	+ 0	0	−1.02
72018	14 43 49.63	−26 00 45.4	8.28	H	220.956 772 00	−26.012 598 37		5.04	1.27	−0.53	0.87	0.60	0.99	1.10	0.74	−22	−22	− 1	− 5	−10	+ 3	− 9	−21	+19	+ 3	0	−1.46
72019	14 43 49.76	−58 47 35.9	8.55	G	220.957 329 90	−58.793 301 93		1.00	−4.64	−1.94	0.85	0.65	1.03	1.32	0.98	+16	−16	+ 5	+26	+20	− 8	+22	+ 0	+ 8	+29	0	−0.50
72020	14 43 50.94	−06 41 17.4	8.73	H	220.962 231 03	−06.688 164 78		13.26	28.85	−34.55	1.39	1.09	1.77	1.74	1.69	−12	−38	−36	+56	− 4	−33	−33	+15	+48	−52	0	−0.67
72021	14 43 52.28	+50 36 54.8	8.67	H	220.967 815 64	+50.615 217 76		6.42	−37.92	34.24	0.62	0.61	0.76	0.73	0.67	+ 8	− 2	+ 1	+19	−15	+ 0	−21	− 1	− 9	−29	0	0.76
72022	14 43 52.55	+14 23 53.4	8.83	H	220.968 941 48	+14.398 176 17		6.12	−13.83	−3.31	0.97	0.93	1.27	1.19	1.14	−22	−12	−30	−15	− 5	+ 6	− 6	−15	+17	−36	0	−0.23
72023	14 43 56.45	−11 52 27.8	11.53	G	220.985 212 28	−11.874 393 07		5.64	−482.63	−85.32	3.25	2.73	3.67	4.18	2.97	−44	+31	−57	+61	−42	+47	−26	+35	−24	−41	4	1.43
72024	14 43 58.27	−50 40 15.5	8.63	H	220.992 778 67	−50.670 978 37		2.65	−22.67	−15.81	0.82	0.70	1.10	0.95	1.01	− 7	−32	− 7	+20	+11	− 5	+ 8	− 6	+15	− 8	0	−1.28
72025	14 43 59.62	+07 22 14.7	10.39	G	220.998 413 74	+07.370 757 88		1.88	−34.92	−9.01	1.74	1.74	2.42	2.14	2.20	−41	− 9	−40	+13	−48	+43	−42	+24	+ 0	−59	5	2.10
72026	14 44 01.93	+56 06 25.2	8.93	3 H	221.008 028 25	+56.106 999 79		0.10	−23.11	7.25	0.74	0.79	0.83	0.91	0.92	+24	+ 3	−10	− 3	−11	+ 2	−13	−31	− 9	+17	0	1.32
72027	14 44 02.01	−28 30 03.4	9.52	H	221.008 378 32	−28.500 951 05		5.95	−113.70	−68.30	1.41	0.89	1.53	2.11	1.27	−12	+ 8	− 6	−13	−20	−12	−20	−20	− 3	− 7	0	0.04
72028	14 44 03.49	+61 06 05.6	9.35	H	221.014 528 15	+61.101 567 14	B	8.24	40.10	−39.05	11.65	11.62	4.49	7.50	7.89	+10	− 9	− 8	−15	−22	− 5	−20	−13	+12	+ 1	1	0.48
72029	14 44 03.51	+61 05 54.1	6.87	H	221.014 605 04	+61.098 353 47	A	11.19	41.14	−32.38	0.99	0.97	0.82	0.91	0.95	+13	− 5	−13	−18	−23	+ 0	−19	− 9	+10	+ 4	1	0.48
72030	14 44 03.68	−30 47 55.7	8.73	H	221.015 314 97	−30.798 797 28		11.64	−186.23	33.52	1.05	0.83	1.27	1.23	1.07	−39	− 1	−20	− 7	+11	− 2	+23	−49	+29	− 5	0	1.37
72031	14 44 03.78	+12 33 40.9	10.01	H	221.015 736 36	+12.561 354 95		3.62	−37.06	15.81	1.35	1.09	1.53	1.56	1.21	−10	− 8	−27	−21	−31	+19	−25	+ 1	− 4	−23	2	−0.75
72032	14 44 04.13	−56 21 32.4	8.54	2 H	221.017 200 03	−56.359 002 03		4.44	−16.07	−12.03	0.76	0.59	1.15	1.03	1.04	+ 9	−19	−12	+27	+24	−27	+24	−23	+27	+ 9	0	0.64
72033	14 44 04.36	−40 59 22.1	9.17	H	221.018 164 61	−40.989 465 59		7.33	−19.07	−21.03	1.21	1.08	1.53	1.42	1.39	− 1	−25	−30	+ 7	+ 9	−14	− 1	−15	+23	−16	0	0.63
72034	14 44 07.16	+22 47 53.7	8.72	H	221.029 826 60	+22.798 237 03		3.62	16.35	1.77	0.84	0.79	1.04	1.00	0.90	−20	−22	−12	+25	+ 6	− 5	+ 9	+32	−27	−33	0	0.39
72035	14 44 07.74	−28 21 10.3	7.94	H	221.032 254 38	−28.352 856 45		4.91	−0.88	−18.41	1.07	0.67	1.13	1.64	0.93	−10	+ 5	+ 1	−12	−27	− 7	−24	−18	−11	+ 0	0	−0.34
72036	14 44 08.23	−74 59 16.9	8.62	H	221.034 289 20	−74.988 040 27		7.25	−41.14	−16.96	0.65	0.69	0.92	0.87	0.84	+ 8	− 6	+11	−17	+11	−11	+ 3	+17	+14	+28	1	0.46
72037	14 44 08.39	−30 52 36.3	9.26	H	221.034 973 72	−30.876 741 12		5.28	6.47	−9.60	1.24	0.93	1.46	1.50	1.23	−38	− 1	−21	−11	+ 9	− 4	+23	−50	+28	+ 2	0	−0.39
72038	14 44 08.89	−34 09 17.1	10.11	G	221.037 024 62	−34.154 752 51		5.73	15.60	4.31	1.59	0.99	1.97	2.02	1.96	−28	−21	−20	− 5	+ 2	+ 0	−11	−33	+34	−20	0	0.30
72039	14 44 09.33	−51 59 36.0	8.94	H	221.038 860 49	−51.993 345 96		3.66	−31.61	−18.97	0.95	0.89	1.25	1.22	1.16	−10	−27	+ 4	+30	+22	−11	+23	+ 1	+10	+ 4	0	1.10
72040	14 44 09.57	+05 47 05.0	9.86	H	221.039 867 41	+05.784 724 22		4.79	12.22	0.27	1.42	1.03	1.57	1.63	1.28	−16	−22	−17	+ 1	−20	+ 2	−19	+ 9	− 4	−23	0	0.63
72041	14 44 09.69	−51 56 16.9	8.68	G	221.040 365 75	−51.938 018 12		10.79	7.11	−5.78	0.85	0.74	1.07	1.00	0.94	− 8	−29	+ 4	+27	+19	− 9	+20	+ 4	+ 4	+ 2	2	−0.01
72042	14 44 10.55	−55 48 20.4	8.60	H	221.043 970 35	−55.805 662 24		10.29	−4.77	−1.97	0.83	0.66	1.18	0.92	1.00	− 1	−30	−18	+11	+25	−23	+18	−32	+27	−10	0	2.61
72043	14 44 11.74	+18 27 44.9	7.52	H	221.048 907 09	+18.462 467 86		23.87	−70.97	−151.95	0.58	0.65	0.85	0.69	0.76	−42	+ 7	−26	+ 8	+ 6	− 7	+ 3	+ 4	− 6	−56	2	−0.29
72044	14 44 11.99	+22 11 06.1	9.89	H	221.049 956 91	+22.185 035 24		37.91	4.61	117.01	1.12	1.03	1.47	1.22	1.14	−30	− 4	−18	+12	− 2	+12	+ 2	+24	−33	−48	0	−0.51
72045	14 44 12.08	−38 08 43.7	9.11	H	221.050 341 66	−38.145 481 10		13.44	3.21	−89.44	1.03	0.73	1.25	1.15	0.99	−16	−33	− 7	+ 0	− 3	+ 6	− 8	−12	+25	+ 8	0	0.96
72046	14 44 12.23	−67 24 13.8	8.04	H	221.050 970 00	−67.403 826 54		5.12	−1.42	0.18	0.57	0.73	1.11	0.68	0.98	+29	− 5	− 4	−14	− 1	−32	− 3	+16	−29	+40	0	−0.32
72047	14 44 13.80	−08 15 07.6	6.64	H	221.057 481 20	−08.252 107 33		24.18	−201.43	74.50	0.85	0.83	1.38	1.10	1.12	− 5	−37	−60	+27	− 2	−23	−35	−15	+50	−50	0	1.74
72048	14 44 14.28	−69 40 26.0	6.99	H	221.059 510 17	−69.673 897 96		28.20	−84.43	−90.98	0.41	0.51	0.68	0.48	0.61	+26	−16	+ 4	− 6	− 1	− 3	− 4	+ 6	− 1	+45	0	−2.04
72049	14 44 14.75	−04 19 11.5	9.77	G	221.061 464 09	−04.319 867 89		10.51	15.15	−92.84	1.68	1.12	1.78	1.56	1.29	+14	−52	−27	+24	+ 0	+ 5	+ 2	+30	− 1	+ 7	0	−0.17
72050 H	14 44 15.83	+54 19 31.5	8.99	H	221.065 953 82	+54.325 413 11	A	3.19	3.71	25.50	1.14	1.21	1.25	1.27	1.21	+16	−13	−29	+15	−15	+13	−17	−14	+ 1	−10	0	−0.87
72051	14 44 15.94	−67 38 33.1	9.59	H	221.066 430 35	−67.642 529 08		0.95	−4.58	−3.74	0.81	1.02	1.50	0.98	1.33	+22	+ 0	+15	−10	− 1	−37	+ 4	+19	−28	+32	0	1.60
72052	14 44 16.61	−39 29 38.2	8.82	H	221.069 199 77	−39.493 931 56		3.37	−20.81	−13.74	0.98	0.95	1.24	1.07	1.06	−12	− 2	−25	+ 4	+14	−16	+11	−15	+16	− 7	0	1.38
72053	14 44 16.87	−11 37 02.3	8.39	H	221.070 283 09	−11.617 291 75		16.48	−76.35	−23.30	1.15	0.96	1.32	1.47	1.06	−21	− 1	−44	+44	−16	+26	− 1	+18	− 7	−12	0	0.09
72054	14 44 16.96	−29 41 34.5	10.23	H	221.070 673 63	−29.692 915 54		12.26	−103.66	−60.26	1.93	1.25	2.50	2.34	1.85	−25	−32	−22	+17	− 3	+ 0	−16	−29	+40	−31	0	1.34
72055	14 44 17.24	−73 58 05.3	8.04	2 H	221.071 826 88	−73.968 140 01		2.69	−12.90	−20.88	0.63	0.64	0.93	0.76	0.76	+19	−14	+ 9	− 7	+ 2	−38	+ 5	+12	−17	+35	1	−1.59
72056	14 44 17.74	−24 07 43.5	6.82	H	221.073 915 80	−24.128 753 86		3.99	−29.86	22.09	0.78	0.56	0.91	0.76	0.67	−28	−37	− 9	+ 4	+ 8	+ 2	+ 4	−30	+13	−30	0	1.09
72057	14 44 20.02	−44 13 57.3	8.82	H	221.083 398 70	−44.232 582 90		2.59	−13.41	−6.02	1.24	1.05	1.46	1.44	1.39	+22	−19	−50	−36	−14	−17	−27	+ 1	+ 3	+ 1	0	−0.72
72058 H	14 44 21.15	−25 53 41.0	9.05	G	221.088 125 23	−25.894 735 21	A	14.58	−176.41	−99.08	2.31	2.02	1.79	1.96	1.35	+ 9	−12	− 9	−10	− 6	− 5	−12	−21	+28	− 2	2	−0.77
72059	14 44 21.23	−72 12 28.2	8.32	H	221.088 476 54	−72.207 831 81		5.32	−37.82	−25.88	0.58	0.70	0.90	0.71	0.77	+25	−16	− 4	+13	+ 3	+ 1	+ 6	+11	− 2	+34	0	1.11
72060	14 44 21.34	−09 29 22.3	7.65	G	221.088 937 08	−09.489 523 76		11.11	−25.13	−39.82	0.89	0.84	1.13	1.10	0.98	−24	− 3	−49	+20	+ 9	− 4	+ 7	−17	+16	−34	0	−2.48
72061	14 44 22.04	+63 06 07.1	8.32	H	221.091 821 95	+63.101 980 93		10.70	−25.75	38.85	0.58	0.64	0.68	0.65	0.76	+ 4	−13	−14	− 4	+ 5	− 1	+ 8	+18	− 5	− 9	0	−0.57
72062	14 44 24.12	+29 35 44.0	9.41	H	221.100 513 46	+29.595 559 72		0.37	−4.44	−5.72	1.03	0.97	1.47	1.11	1.08	− 4	−26	−27	−42	− 9	+22	+16	+11	−17	−47	0	0.60
72063	14 44 25.31	−53 16 20.1	8.07	H	221.105 456 03	−53.272 245 67		2.26	1.21	−7.78	0.70	0.76	1.02	0.72	0.94	−16	−33	− 4	+ 4	− 1	− 4	+ 3	+23	−12	−16	0	0.15
72064	14 44 26.16	+60 46 19.6	7.95	H	221.109 007 18	+60.772 119 10		2.87	−27.87	23.82	0.58	0.63	0.66	0.60	0.69	+27	− 8	−16	−28	−13	− 8	−15	−12	+ 5	+21	0	−1.53
72065	14 44 26.20	−44 42 27.2	8.99	H	221.109 147 42	−44.707 562 92		8.01	−73.91	7.70	1.20	1.06	1.51	1.29	1.49	− 5	−21	−21	+17	− 4	−30	−16	+ 4	+13	−30	0	1.90
72066	14 44 28.17	+45 11 09.7	6.73	H	221.117 357 72	+45.186 018 95		15.60	58.88	−15.52	0.47	0.43	0.57	0.51	0.49	+17	−12	− 6	+ 1	+ 7	+ 5	+ 8	+14	− 5	+18	0	0.52
72067	14 44 29.06	−42 20 29.4	9.48	H	221.121 090 72	−42.341 500 81		9.61	−28.72	−16.33	1.23	1.27	1.91	1.06	1.25	+14	−44	−54	+ 5	+11	−16	−11	−14	+34	−21	0	1.01
72068	14 44 29.16	−16 52 28.9	8.03	H	221.121 486 13	−16.874 687 58		0.54	8.50	−2.36	1.01	0.61	1.21	1.13	0.88	−49	−34	+ 2	+34	−29	+11	−37	+11	+41	−32	0	−1.04
72069	14 44 30.64	−03 21 47.9	7.58	H	221.127 646 80	−03.363 317 73		13.96	−71.29	−1.68	0.93	0.79	0.98	1.07	0.91	+ 3	−15	−32	+42	+ 1	+15	+ 9	+40	−19	− 4	0	1.09
72070	14 44 30.98	−39 59 20.4	9.32	H	221.129 080 91	−39.989 005 17		5.97	−20.88	−24.03	1.28	1.05	1.55	1.51	1.41	− 3	− 7	−17	−21	− 2	−21	− 7	−13	+13	− 7	0	−1.52
72071	14 44 31.23	+06 22 32.1	9.13	H	221.130 107 10	+06.375 583 52		8.19	−30.71	1.01	1.16	0.95	1.44	1.44	1.21	−39	−10	− 9	− 5	−30	+24	−29	+11	− 4	−47	0	1.67
72072 H	14 44 31.38	−51 11 26.5	7.99	H	221.130 749 18	−51.190 685 63	A	6.33	4.89	2.62	1.03	1.03	1.32	1.11	1.19	−11	−17	+ 6	+ 1	+11	−19	+13	−17	+ 8	− 6	1	0.54
72073	14 44 34.38	+60 03 13.6	7.57	H	221.143 254 99	+60.053 777 55		2.07	−0.97	−13.92	0.52	0.60	0.62	0.55	0.64	+20	− 7	−19	− 6	− 2	− 8	− 3	−15	+ 2	+25	0	−1.15
72074	14 44 34.54	+10 45 49.8	8.27	G	221.143 924 08	+10.763 841 83		6.37	−27.58	4.41	0.88	0.84	1.11	0.97	0.93	−24	−18	−16	−21	−10	+19	− 8	−37	+ 1	−29	0	−1.34
72075	14 44 36.51	−34 54 03.9	8.93	H	221.152 109 83	−34.901 070 01		7.89	46.40	−24.52	1.13	0.70	1.28	1.19	1.16	−39	− 4	+ 7	− 2	+ 2	+ 8	+ 3	−22	−12	−25	0	−0.90
72076	14 44 37.77	+09 04 14.9	8.84	H	221.157 362 94	+09.070 797 43		16.26	−37.21	−75.31	1.19	0.90	1.50	1.21	0.94	−24	−22	−14	−36	−18	+35	−15	−13	− 2	−30	2	0.36
72077	14 44 37.89	+49 40 56.8	8.71	H	221.157 886 83	+49.682 435 29		11.40	−51.45	45.35	0.65	0.59	0.77	0.82	0.70	+11	− 6	− 2	− 2	−11	+ 9	− 9	+ 3	+ 3	−29	1	0.53
72078	14 44 37.94	−25 02 57.0	8.62	2 H	221.158 071 39	−25.049 176 80		2.10	0.52	6.67	1.02	0.80	1.21	1.06	0.88	−37	−26	+12	−10	+ 0	− 3	+ 2	−31	+ 1	−22	0	−0.39
72079 H	14 44 40.99	−07 11 36.7	9.85	H	221.170 809 96	−07.193 533 20	A	9.02	2.18	−11.42	4.08	3.18	3.61	4.53	4.04	−39	−13	−23	+57	−40	+ 9	−41	+45	+ 6	−50	0	0.25
72080 H	14 44 43.02	−20 28 55.5	9.30	H	221.179 236 88	−20.482 074 32	*	5.17	−30.52	−4.28	2.94	1.81	1.54	1.61	1.35	−16	−14	− 7	+ 1	− 6	+17	− 7	−16	+ 7	−31	1	−0.19
72081	14 44 44.00	−82 03 27.7	8.61	H	221.183 314 03	−82.057 696 88		7.23	−25.85	16.61	0.70	0.67	0.84	0.66	0.86	+ 8	−14	− 2	−14	− 6	−15	− 7	+11	−12	+13	0	0.30
72082	14 44 45.07	−09 42 14.2	6.86	G	221.187 791 17	−09.703 944 99		14.11	−90.98	−48.48	0.79	0.76	1.03	0.99	0.90	−17	− 6	−51	+17	+ 4	− 6	+ 0	−13	+16	−27	0	−2.35
72083	14 44 45.53	+02 01 28.7	8.47	H	221.189 702 81	+02.024 631 00		0.94	−19.72	−6.53	1.29	0.91	1.46	1.70	1.17	−56	+19	−22	+10	−10	−19	+ 3	−42	+38	−43	0	0.44
72084	14 44 46.27	−13 50 34.2	9.31	G	221.192 789 18	−13.842 834 99		2.73	−28.41	−9.43	1.33	1.04	1.47	1.67	1.23	−13	−23	−24	+23	− 9	+ 3	− 2	+21	−22	− 6	0	0.27
72085	14 44 46.57	+32 07 47.0	8.04	H	221.194 033 64	+32.129 718 81		1.95	12.02	−11.92	0.51	0.74	0.97	0.67	0.82	+12	−12	−21	+ 4	− 4	− 1	− 5	−13	− 3	− 4	0	0.15
72086	14 44 47.66	−40 10 06.6	9.61	H	221.198 570 97	−40.168 512 81		2.40	−55.56	−26.11	1.40	1.17	1.68	1.68	1.52	− 1	−17	−26	+ 2	+ 4	−15	− 4	−10	+21	− 3	0	−1.32
72087 H	14 44 48.14	+07 42 04.1	7.37	H	221.200 567 05	+07.701 134 71	A	3.30	−13.65	−8.95	1.94	1.61	2.08	1.77	1.65	−52	−25	− 5	−13	−12	+19	−19	− 6	+13	−49	7	2.86
72088	14 44 49.35	+55 28 23.5	8.38	H	221.205 616 47	+55.473 186 03		1.04	−4.92	10.22	0.58	0.60	0.68	0.67	0.70	+23	−15	−19	−12	−10	+12	−10	−18	+ 7	+ 7	0	−0.32
72089	14 44 50.74	−06 07 38.2	9.79	G	221.211 400 20	−06.127 278 71		5.48	−32.52	−15.80	1.56	1.22	1.76	1.88	1.62	−11	−37	−25	+24	−15	− 1	−20	+24	+15	−22	0	−0.10
72090	14 44 51.48	−14 21 34.6	9.17	G	221.214 518 19	−14.359 608 08		2.78	−29.17	−4.47	1.29	1.02	1.33	1.72	1.33	−23	−14	−25	+22	−31	+ 2	−32	+40	+ 7	−16	0	0.08
72091	14 44 51.56	−03 03 43.4	8.14	H	221.214 834 10	−03.062 044 47		3.39	−8.44	−25.46	1.06	1.02	1.16	1.22	1.18	−17	−15	−30	+45	− 9	+12	− 3	+41	−12	−21	6	0.05
72092	14 44 52.94	−78 18 38.6	10.00	H	221.220 590 99	−78.310 713 71		1.37	−2.25	−3.40	0.84	0.89	1.12	0.97	0.98	+16	− 3	− 1	+14	+19	+ 5	+18	+22	+ 3	+20	2	1.33
72093	14 44 53.93	−21 50 32.5	8.82	H	221.224 711 55	−21.842 368 75		2.66	−33.38	−19.22	0.93	0.66	1.03	1.16	0.87	−32	−20	− 7	+18	−13	+ 3	−14	− 6	+ 7	−32	0	−1.06
72094	14 44 54.39	−02 17 07.8	9.51	H	221.226 639 84	−02.285 508 30		2.22	−20.01	−2.13	1.36	1.17	1.50	1.40	1.26	− 5	−24	−32	+26	+15	+ 5	+23	+ 1	−19	−13	0	0.98
72095	14 44 55.44	−70 03 36.9	8.49	H	221.231 001 80	−70.060 258 34		10.75	88.93	76.32	0.60	0.73	0.98	0.67	0.83	+28	−23	+ 4	+ 7	+ 9	− 8	+ 8	+17	− 6	+47	0	−1.79
*72096	14 44 55.58	+03 29 03.3	7.92	H	221.231 576 32	+03.484 248 75		4.34	5.50	−5.94	1.01	0.66	1.08	0.99	0.79	−37	−41	+ 4	+27	−25	− 3	−31	+ 7	+20	−32	0	1.68
*72097	14 44 55.57	−58 28 38.6	6.10	H	221.231 540 53	−58.477 389 38		8.91	−85.63	−42.23	0.53	0.45	0.72	0.82	0.70	+ 6	−14	− 3	+ 1	+20	−18	+19	−10	+ 8	+ 8	0	−0.25

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data										Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags		AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61		62	63	64	65	66	67	68-70
72001	9.516	0.015	9.360	0.019	*	0.142	0.023	T	0.16	0.02	L *	9.3760	0.0020	0.031	208	*	9.33	9.43			14435−6321	H 1	2 C A		AB	319	0.363	0.040	2.72	0.31	G
72002	10.382	0.045	9.628	0.038		0.689	0.046	T	0.75	0.04	L	9.6925	0.0022	0.014	52		9.67	9.72		D			1								
72003	9.266	0.020	8.750	0.019		0.494	0.021	T	0.57	0.02	L	8.8008	0.0020	0.013	72		8.78	8.82		C			1								
72004	11.462	0.069	10.641	0.052		0.740	0.066	T	0.79	0.05	L	10.7188	0.0041	0.033	128		10.66	10.77					1								G
72005	9.539	0.016	8.930	0.014		0.566	0.016	T	0.64	0.01	L	8.9995	0.0015	0.019	137		8.97	9.04		C			1								
72006	9.872	0.021	8.827	0.015		0.908	0.019	T	0.91	0.01	L	8.8911	0.0018	0.014	124		8.87	8.92		C			1								S
72007	9.869	0.025	9.341	0.025	*	0.495	0.032	T	0.57	0.03	L *	9.5240	0.0028	0.027	154	*	9.49	9.57		R	14436+3745	I 1	2 C C		BA	129	3.105	0.006	0.14	0.03	S
72008	9.996	0.028	8.597	0.016		1.183	0.025	T	1.14	0.02	L	8.6257	0.0026	0.019	71		8.59	8.65					1								
72009	8.386	0.009	8.139	0.010		0.235	0.013	T	0.26	0.02	L	8.1791	0.0010	0.010	112		8.16	8.20		C			1								S
72010	5.830	0.004	4.210	0.002		1.356	0.004	T	1.35	0.02	A	4.2045	0.0007	0.005	114		4.20	4.22					1								S
72011	9.019	0.018	8.375	0.016		0.591	0.018	T	0.66	0.02	L	8.4396	0.0015	0.009	64		8.42	8.46		C			1								
72012	7.557	0.005	5.877	0.003		1.398	0.002	G	1.37	0.00	H	5.8670	0.0007	0.007	146		5.85	5.88		M			1								S
72013	10.095	0.040	9.295	0.033	*	0.708	0.040	T	0.75	0.03	L *	9.4189	0.0022	0.023	96	*	9.39	9.45		D	14438−5125	I 1	2 C A		AB	107	5.166	0.010	1.46	0.04	
72014	9.876	0.028	9.194	0.025		0.620	0.015	G	0.69	0.01	H	9.2270	0.0030	0.019	77		9.21	9.26					1								
72015	7.426	0.008	7.240	0.008		0.178	0.011	T	0.20	0.01	L	7.2706	0.0014	0.009	46		7.25	7.29					1								S
72016	9.481	0.015	8.981	0.014		0.470	0.019	T	0.54	0.02	L	9.0627	0.0019	0.022	132		9.03	9.11					1								S
72017	9.473	0.018	8.825	0.016		0.594	0.018	T	0.66	0.02	L	8.8752	0.0015	0.015	125		8.85	8.91		C			1								
72018	8.410	0.011	8.290	0.013		0.109	0.016	T	0.12	0.02	L	8.3211	0.0016	0.012	83		8.30	8.34		C			1								S
72019	8.653	0.011	8.566	0.013		0.100	0.015	G	0.11	0.02	H	8.5803	0.0017	0.017	123		8.55	8.61					1								
72020	9.305	0.022	8.762	0.021		0.509	0.027	T	0.58	0.03	L	8.8428	0.0023	0.016	50		8.81	8.87					1								S
72021	9.256	0.013	8.719	0.013		0.504	0.017	T	0.58	0.02	L	8.7780	0.0019	0.016	126		8.75	8.81		C			1								
72022	9.276	0.018	8.888	0.019		0.367	0.024	T	0.43	0.03	L	8.9123	0.0023	0.020	80		8.88	8.95					1								S
72023						0.625	0.015	G	0.69	0.01	H	11.6111	0.0072	0.039	45		11.55	11.67					1								G
72024	9.232	0.014	8.651	0.013		0.543	0.017	T	0.62	0.02	L	8.7478	0.0016	0.014	109		8.73	8.78		C			1								
72025	11.205	0.075	10.491	0.063		0.670	0.020	G	0.73	0.02	H	10.5320	0.0033	0.028	81		10.50	10.58		C			1								
72026	10.857	0.046	9.188	0.020		1.421	0.041	T	2.94	0.09	O	8.8475	0.0221	0.183	93		8.35	9.14		U 2			1 S								
72027	10.360	0.041	9.576	0.032		0.696	0.040	T	0.75	0.03	L	9.6590	0.0024	0.015	60		9.63	9.70		C			1								
72028	9.830	0.034	9.233	0.031	B	0.557	0.040	T	0.63	0.04	L	9.5657	0.0354			B				D	14441+6106	I 2	1 C I A								
72029	7.350	0.006	6.917	0.006	A	0.409	0.007	T	0.48	0.01	L	6.9661	0.0039	0.017	112	A	6.95	7.01		D	14441+6106	I 2	1 C P A								S
72030	9.457	0.017	8.779	0.015		0.616	0.017	T	0.68	0.01	L	8.8602	0.0018	0.012	74		8.84	8.88		C			1								
72031	10.502	0.041	10.076	0.042		0.402	0.054	T	0.47	0.06	L	10.1010	0.0023	0.025	72		10.05	10.15		D			1								
72032	8.879	0.011	8.585	0.012		0.279	0.017	T	0.32	0.02	L	8.6159	0.0020	0.022	155		8.59	8.79	5.25	P 1 A			1								
72033	9.905	0.032	9.217	0.027		0.635	0.035	T	0.70	0.03	L	9.3059	0.0041	0.021	53		9.27	9.34		C			1								
72034	9.837	0.024	8.787	0.017		0.912	0.022	T	0.91	0.02	L	8.8809	0.0020	0.014	83		8.86	8.90		C			1								
72035	9.442	0.020	8.057	0.011		1.172	0.018	T	1.13	0.02	L	8.1063	0.0019	0.013	62		8.09	8.13		C			1								
72036	9.195	0.013	8.664	0.012		0.506	0.013	T	0.58	0.01	L	8.7347	0.0017	0.017	132		8.71	8.76					1								
72037	9.826	0.024	9.300	0.023		0.502	0.025	T	0.57	0.03	L	9.3649	0.0024	0.017	75		9.33	9.40					1								
72038	10.687	0.046	10.190	0.047		0.443	0.025	G	0.51	0.03	H	10.2256	0.0032	0.026	83		10.18	10.27		C			1								G
72039	10.550	0.036	9.095	0.019		1.227	0.032	T	1.19	0.03	L	9.0988	0.0027	0.021	103		9.07	9.14					1								
72040	10.493	0.047	9.916	0.044		0.812	0.020	G	0.84	0.01	R	10.0102	0.0028	0.018	68		9.97	10.04		C			1								G
72041	9.429	0.017	8.760	0.015		0.607	0.015	G	0.68	0.01	H	8.8012	0.0018	0.017	100		8.78	8.83					1								
72042	9.338	0.015	8.684	0.013		0.598	0.015	T	0.67	0.01	L	8.7256	0.0019	0.019	150		8.69	8.76					1								
72043	8.282	0.009	7.578	0.009		0.636	0.010	T	0.70	0.01	L	7.6538	0.0016	0.011	105		7.64	7.67					1								S
72044	11.600	0.088	10.037	0.034		1.250	0.015	G	1.41	0.03	I	10.0021	0.0025	0.024	92		9.97	10.04		C			1								
72045	9.963	0.029	9.134	0.023		0.730	0.028	T	0.78	0.02	L	9.2500	0.0023	0.016	84		9.22	9.28		C			1								
72046	9.606	0.015	8.184	0.008		1.201	0.013	T	1.16	0.01	L	8.2081	0.0016	0.020	177		8.17	8.24					1								
72047	7.140	0.007	6.683	0.007		0.431	0.009	T	0.50	0.01	L	6.7347	0.0011	0.006	48		6.72	6.74		C			1								S
72048	7.639	0.006	7.055	0.004		0.553	0.007	G	0.63	0.01	H	7.1074	0.0011	0.013	178		7.09	7.13					1								S
72049	10.395	0.049	9.834	0.048		0.540	0.020	G	0.61	0.02	H	9.8833	0.0028	0.025	51		9.85	9.92					1								
72050	10.095	0.026	9.134	0.018	A	1.100	0.495	G	0.89	0.03	L *	9.1503	0.0019	0.013	115	*	9.12	9.18		D	14443+5420	I 1	2 C A		AB	185	1.070	0.015	2.48	0.07	S
72051	9.697	0.016	9.609	0.022		0.086	0.025	T	0.10	0.03	L	9.6217	0.0024	0.030	169		9.57	9.68					1 S								G
72052	9.927	0.026	8.939	0.019		0.865	0.024	T	0.88	0.02	L	8.9755	0.0031	0.017	60		8.94	9.00					1								
72053	9.118	0.018	8.471	0.016		0.600	0.021	T	0.67	0.02	L	8.5157	0.0025	0.016	50		8.50	8.55					1								S
72054	10.939	0.067	10.199	0.053		0.663	0.065	T	0.72	0.05	L	10.3628	0.0047	0.028	69		10.31	10.40		C			1								G
72055	8.442	0.009	8.081	0.009		0.342	0.012	T	0.40	0.02	L	8.1251	0.0028	0.025	138		8.08	8.16		U 2			1								S
72056	8.669	0.013	6.968	0.007		1.420	0.012	T	1.40	0.02	L	6.9611	0.0011	0.010	77		6.95	6.98					1								S
72057	10.269	0.035	8.949	0.021		1.121	0.032	T	1.08	0.03	L	8.9891	0.0022	0.015	55		8.95	9.01		C			1								
72058	9.992	0.031	9.135	0.024	*	0.762	0.003	G	0.81	0.00	H *	9.1917	0.0026	0.019	76	*	9.15	9.22		C	14444−2554	H 1	2 C A		AB	198	0.350	0.020	2.59	0.13	
72059	8.889	0.010	8.380	0.010		0.478	0.013	T	0.55	0.01	L	8.4308	0.0019	0.019	152		8.40	8.47		C			1 G								
72060	8.095	0.010	7.706	0.012		0.368	0.014	T	0.43	0.01	L	7.7323	0.0021	0.010	54		7.72	7.75		C			1								S
72061	9.078	0.013	8.395	0.011		0.631	0.014	T	0.70	0.01	L	8.4542	0.0017	0.014	121		8.43	8.48					1								S
72062	11.486	0.068	9.534	0.022		1.619	0.057	T	1.64	0.06	L	9.5226	0.0026	0.026	122		9.48	9.56					1								
72063	10.006	0.026	8.232	0.011		1.478	0.022	T	1.49	0.03	L	8.1996	0.0018	0.015	96		8.18	8.22		C			1								
72064	9.225	0.015	8.059	0.010		1.000	0.014	T	0.98	0.01	L	8.1140	0.0012	0.010	113		8.10	8.13		C			1								S
72065	9.601	0.022	9.028	0.020		0.539	0.022	T	0.61	0.02	L	9.1039	0.0027	0.019	53		9.08	9.14		D			1								
72066	7.077	0.005	6.770	0.004		0.292	0.006	T	0.33	0.01	L	6.8085	0.0008	0.008	128		6.80	6.82		C			1								S
72067	10.006	0.033	9.485	0.032		0.498	0.035	T	0.57	0.04	L	9.5870	0.0032	0.024	55		9.55	9.64		C			1								
72068	10.192	0.034	8.233	0.013		1.625	0.029	T	1.65	0.03	L	8.1425	0.0016	0.015	95		8.12	8.17					1								
72069	8.035	0.010	7.629	0.011		0.408	0.015	G	0.47	0.02	H	7.6733	0.0017	0.010	46		7.66	7.70		C			1								S
72070	10.108	0.030	9.395	0.026		0.642	0.030	T	0.71	0.03	L	9.4566	0.0050	0.026	58		9.42	9.51					1								
72071	9.678	0.019	9.165	0.019		0.482	0.024	T	0.55	0.03	L	9.2397	0.0018	0.020	85		9.21	9.27					1								
72072	8.433	0.010	8.098	0.011	A	0.500	0.495	G	0.44	0.03	L *	8.0782	0.0013	0.013	107	*	8.05	8.10		D	14445−5111	I 1	2 C A		AB	197	1.517	0.010	2.24	0.05	S
72073	8.988	0.012	7.682	0.007		1.110	0.011	T	1.07	0.01	L	7.7416	0.0014	0.013	125		7.72	7.76					1 S								S
72074	8.823	0.018	8.306	0.017		0.483	0.015	G	0.55	0.02	H	8.3722	0.0020	0.014	76		8.35	8.39		C			1								S
72075	9.571	0.046	8.983	0.042		0.550	0.046	T	0.62	0.04	L	9.0449	0.0018	0.015	92		9.02	9.07					1								
72076	9.605	0.026	8.869	0.022		0.674	0.027	T	0.73	0.02	L	8.9756	0.0019	0.016	74		8.95	9.00		D			1 S								S
72077	9.469	0.016	8.790	0.014		0.628	0.018	T	0.70	0.02	L	8.8407	0.0013	0.014	129		8.82	8.87					1								S
72078	10.930	0.067	8.820	0.019		1.785	0.057	T	2.20	0.12	O	8.6865	0.0026	0.029	75		8.65	8.74		U 2			1								
72079	10.556	0.048	10.053	0.050	*	0.473	0.063	T	0.54	0.07	L *	9.9556	0.0034	0.024	50	*	9.91	10.01		D	14447−0712	I 1	2 C A		AB	179	0.643	0.009	1.16	0.04	
72080	9.854	0.022	9.361	0.022	*	0.475	0.024	T	0.55	0.03	L *	9.4042	0.0025	0.020	90	*	9.38	9.44		D	14447−2029	I 1	2 C A		AB	167	0.209	0.006	0.09	0.19	
72081	9.062	0.013	8.642	0.013		0.410	0.015	T	0.48	0.02	L	8.7045	0.0016	0.015	125		8.67	8.73		C			1								
72082	7.343	0.008	6.909	0.009		0.427	0.015	G	0.49	0.02	H	6.9494	0.0014	0.007	49		6.94	6.96					1								S
72083	10.258	0.037	8.614	0.017		1.375	0.032	T	1.35	0.04	L	8.6235	0.0017	0.016	100		8.60	8.65		C			1								
72084	10.044	0.040	9.440	0.037		0.581	0.020	G	0.65	0.02	H	9.4493	0.0036	0.019	50		9.42	9.48		C			1								
72085	9.311	0.012	8.139	0.008		1.005	0.011	T	0.98	0.01	L	8.2049	0.0014	0.018	169		8.17	8.24					1								S
72086	10.724	0.053	9.693	0.036		0.897	0.048	T	0.90	0.04	L	9.7735	0.0034	0.023	63		9.73	9.83					1								
72087	8.121	0.013	7.400	0.011	*	0.662	0.014	T	0.72	0.01	L *	7.5024	0.0014	0.011	85	*	7.48	7.52		D	14448+0742	I 1	2 C A		AB	93	6.789	0.006	0.44	0.01	S
72088	9.488	0.015	8.447	0.011		0.905	0.014	T	0.91	0.01	L	8.5409	0.0013	0.012	124		8.52	8.56		C			1								
72089	10.465	0.057	9.842	0.053		0.560	0.020	G	0.63	0.02	H	9.8999	0.0034	0.021	47		9.84	9.94					1								
72090	9.604	0.029	9.182	0.029		0.386	0.020	G	0.45	0.02	H	9.2787	0.0027	0.017	48		9.26	9.32					1								
72091	9.537	0.026	8.236	0.016		1.106	0.024	T	1.07	0.03	L	8.3035	0.0021	0.011	49		8.28	8.32					1								
72092	9.903	0.020	9.980	0.030		−0.066	0.031	T	−0.04	0.03	L	9.9814	0.0020	0.027	139		9.93	10.02					1 G								G
72093	10.327	0.034	8.972	0.019		1.148	0.031	T	1.11	0.03	L	8.9862	0.0015	0.010	80		8.97	9.01		C			1								
72094	11.325	0.112	9.602	0.038		1.438	0.093	T	1.43	0.15	L	9.6473	0.0024	0.015	40		9.62	9.68					1								
72095	9.131	0.012	8.551	0.011		0.561	0.015	G	0.63	0.01	H	8.6081	0.0015	0.018	166		8.57	8.64			14449−7004	I 1	1								
72096	9.201	0.015	8.056	0.010		0.984	0.014	T	0.96	0.01	L	8.0861	0.0016	0.011	83		8.07	8.10		C			1								S
72097	7.386	0.006	6.214	0.004		1.013	0.000	G	0.99	0.00	H	6.2694	0.0006	0.006	135		6.26	6.28		C			1								S
72098	9.140	0.012	7.667	0.007		1.241	0.011	T	1.20	0.01	L	7.6998	0.0014	0.011	117		7.68	7.72		C			1								S
72099	10.311	0.040	9.737	0.036		0.540	0.040	T	0.61	0.04	L	9.7820	0.0024	0.022	93		9.72	9.82		C			1								
72100	9.629	0.019	8.059	0.010		1.317	0.017	T	1.28	0.02	L	8.0806	0.0017	0.017	113		8.05	8.11					1								

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1 %	F2
1 2	h m s 3	±° ′ ″ 4	mag 5 6 7		deg 8	deg 9 10	mas 11	mas/yr 12	13	mas 14	15	mas 16	mas/yr 17	18	19	20	21	22	23	24	25	26	27	28	29	30
72101	14 44 57.58	+74 53 30.4	10.47	H	221.239 909 86	+74.891 765 94	2.30	−25.06	28.18	0.93	0.93	1.03	0.95	1.06	+10	−18	−31	−21	− 5	− 1	− 6	+ 3	+ 1	+ 6	0	−0.04
72102 H	14 44 58.68	−28 02 52.4	8.49	H	221.244 519 31	−28.047 883 56 A	6.57	−33.00	26.75	1.86	1.17	1.61	2.28	1.29	+ 2	+ 8	+ 8	−30	−19	−10	−20	−39	−20	+10	1	−0.39
72103	14 44 59.09	−61 31 17.9	6.97	2 H	221.246 199 29	−61.521 651 20	0.11	−2.92	−5.50	0.60	0.50	0.81	0.65	0.60	+28	−35	−10	+15	+ 1	−11	− 4	+18	+ 7	+38	1	−0.03
72104	14 44 59.20	−35 11 30.6	4.92	G	221.246 646 28	−35.191 820 69	15.76	10.04	−2.03	0.65	0.43	0.74	0.62	0.61	−26	−25	+ 4	− 8	− 7	+ 2	−11	− 4	− 4	+24	0	0.90
72105 H	14 44 59.25	+27 04 27.0	2.35	H	221.246 878 69	+27.074 173 83 A	15.55	−50.65	20.00	0.58	0.52	0.78	0.68	0.62	+23	−39	−46	+19	+ 1	−10	+ 1	+21	− 9	−49	1	0.31
72106	14 44 59.92	−44 39 54.0	7.52	G	221.249 657 27	−44.664 997 77	6.99	16.25	−17.02	0.78	0.75	1.05	0.79	0.94	+14	−38	−46	− 2	− 2	−16	−17	− 6	+16	−21	0	1.04
*72107	14 45 00.32	−73 22 32.1	9.71	H	221.251 319 45	−73.375 576 12	0.52	−1.06	−8.62	0.86	0.91	1.28	1.00	1.02	+22	−16	− 2	+ 0	+ 8	−32	+ 8	+10	−12	+36	0	−0.28
*72108	14 45 00.26	−42 55 02.5	10.46	H	221.251 068 61	−42.917 354 47	7.56	−100.78	−98.26	1.90	1.75	2.58	1.89	1.99	+ 3	−19	−48	−18	+ 8	−27	−10	−11	+25	−21	0	2.02
72109	14 45 00.41	+48 12 06.5	8.35	H	221.251 727 88	+48.201 812 59	8.34	−23.66	−41.52	0.60	0.55	0.71	0.75	0.63	+16	− 9	− 3	+ 4	− 8	− 3	− 8	− 3	− 3	− 1	0	1.55
72110	14 45 00.82	+39 00 45.1	9.02	H	221.253 410 70	+39.012 513 89	10.44	31.39	−7.90	0.68	0.78	1.02	0.83	0.87	+18	+ 2	− 9	+ 8	+ 9	−16	+ 6	+28	−16	+23	0	1.81
72111	14 45 00.90	+47 59 01.2	10.34	H	221.253 730 19	+47.983 663 93	−0.08	−6.23	1.07	0.98	0.96	1.21	1.23	1.12	+21	− 7	+ 6	−14	− 8	+ 1	− 5	+12	− 1	+ 9	3	1.25
72112	14 45 03.21	−46 58 26.2	10.15	H	221.263 374 33	−46.973 937 92	2.36	−15.12	−10.48	1.22	1.22	1.90	1.61	2.07	−57	+14	−29	−19	+34	−28	+36	−43	+32	−53	0	−0.83
72113	14 45 04.78	+30 32 03.5	9.25	H	221.269 921 60	+30.534 301 64	2.62	5.09	3.94	0.93	0.93	1.43	1.22	1.08	− 6	− 6	−24	+10	−19	+33	− 8	+22	−37	−42	0	−0.06
72114	14 45 05.06	+03 19 07.8	9.28	H	221.271 081 29	+03.318 826 90	5.65	−41.49	12.96	1.26	0.81	1.45	1.22	0.99	−36	−45	+ 3	+22	−18	+ 1	−27	− 9	+28	−31	0	0.17
72115	14 45 05.95	+41 01 44.6	11.51	3 H	221.274 774 69	+41.029 057 61	−0.52	−3.29	−54.98	1.24	1.36	1.77	1.50	1.64	+17	− 2	+ 8	− 1	− 2	− 7	− 1	+ 0	−11	+10	0	0.47
72116	14 45 06.88	+18 37 40.0	9.62	H	221.278 673 72	+18.627 765 42	11.72	−12.60	−136.05	1.55	1.73	2.27	1.69	1.86	−41	+ 7	−21	+11	+ 3	+ 6	+ 2	+ 1	−20	−48	2	
72117	14 45 08.18	−38 45 16.8	8.54	2 H	221.284 090 49	−38.754 673 39	4.50	−6.91	−14.76	1.07	0.82	1.20	1.19	0.93	− 1	−30	− 4	+26	+10	−10	+10	− 2	+14	+18	0	1.28
72118	14 45 10.02	−57 32 12.3	7.57	H	221.291 746 42	−57.536 751 77	1.28	−11.03	−14.45	0.68	0.49	0.93	0.83	0.93	+15	−33	− 4	+32	+21	−20	+13	−15	+ 5	−15	0	0.06
72119	14 45 10.34	−49 54 55.2	8.40	G	221.293 089 25	−49.915 328 56	34.98	−662.17	−391.18	0.78	0.62	1.16	0.85	0.80	+ 2	−34	−23	+ 9	+21	−28	+11	−25	+20	− 9	0	0.47
72120	14 45 10.75	−06 53 37.1	8.98	H	221.294 772 31	−06.893 639 69	10.24	−13.18	2.41	1.61	1.20	1.47	2.09	1.76	−35	− 9	−23	+64	− 8	−17	−18	+12	+31	−52	0	−0.48
72121	14 45 10.97	−55 36 05.8	6.10	1 H	221.295 692 14	−55.601 621 58	1.89	−6.47	−7.72	0.51	0.43	0.69	0.54	0.60	− 2	−36	− 3	+ 6	+13	− 8	+10	− 9	+10	−13	1	0.58
72122	14 45 11.74	−01 25 03.1	6.06	2 H	221.298 917 43	−01.417 527 29	6.38	−56.73	−0.71	0.83	0.95	1.26	0.89	0.93	+ 6	−30	−66	+ 7	+21	− 8	+10	−37	+31	−26	0	−0.31
72123	14 45 12.00	+34 22 33.9	7.76	2 H	221.299 991 48	+34.376 088 13	1.41	10.53	−3.84	0.39	0.55	0.80	0.46	0.63	+29	+ 3	−12	+12	− 5	−13	− 7	+ 5	−19	+29	0	2.68
72124	14 45 13.68	+32 47 18.6	6.27	1 H	221.307 004 57	+32.788 510 16	3.34	44.78	−67.68	0.38	0.53	0.71	0.52	0.63	+ 6	+ 2	−18	+12	− 6	+10	− 9	− 9	−15	− 2	0	1.06
72125	14 45 14.50	+16 57 51.9	4.60	H	221.310 405 11	+16.964 402 96	14.48	−60.87	−50.69	0.58	0.54	0.79	0.68	0.62	−34	−19	−10	+46	−14	−15	−14	+22	−16	−37	0	0.45
72126	14 45 14.65	+04 31 56.1	8.92	H	221.311 026 21	+04.532 242 89	12.67	−123.17	123.71	1.32	0.85	1.39	1.67	1.08	−15	−14	− 6	− 4	−37	+ 7	−36	− 8	+ 1	− 4	0	−1.39
72127	14 45 16.45	+21 05 09.8	8.18	H	221.318 542 66	+21.086 041 92	0.56	4.15	5.94	0.66	0.72	0.95	0.69	0.75	−29	+ 0	−10	+35	+ 2	− 1	+ 0	+31	−24	−45	0	−0.08
72128	14 45 16.51	−29 56 19.2	9.87	H	221.318 788 56	−29.938 662 96	4.92	4.66	−7.79	1.64	1.07	2.14	1.99	1.76	−27	−16	−19	+25	− 6	+10	− 7	−18	+40	−19	0	−1.23
72129	14 45 16.69	+67 51 28.6	10.32	H	221.319 525 90	+67.857 957 94	4.56	9.73	30.28	0.93	1.01	1.09	0.99	1.09	+ 3	−15	−29	− 7	− 4	+ 3	− 3	+ 1	− 3	− 8	1	−0.18
72130	14 45 16.77	+65 19 47.6	7.22	H	221.319 895 13	+65.329 892 29	20.70	−110.62	37.29	0.49	0.52	0.56	0.51	0.59	+ 5	−18	−15	−16	+ 4	−13	+ 5	+ 0	− 5	−14	1	−1.84
72131	14 45 17.25	−62 52 31.6	5.36	H	221.321 861 38	−62.875 452 75	21.75	70.24	−80.34	0.33	0.41	0.61	0.41	0.50	+14	−12	+ 4	+48	+14	−18	+20	+21	− 4	+31	1	−0.72
72132	14 45 17.30	+40 06 07.0	10.29	H	221.322 066 53	+40.101 940 27	5.42	18.47	−12.19	1.02	1.09	1.44	1.17	1.22	+19	+ 8	− 1	+12	+ 3	+ 2	+ 3	+ 8	− 5	+ 7	0	0.83
*72133	14 45 18.83	−55 36 24.1	7.52	G	221.328 438 77	−55.606 700 32	2.78	3.45	−5.85	0.64	0.49	0.86	0.68	0.72	+ 5	−37	+ 1	+11	+15	−15	+14	−16	+ 7	− 2	0	1.39
*72134	14 45 18.73	−18 00 09.8	8.22	G	221.328 030 84	−18.002 716 93	17.48	−123.65	−70.08	0.98	0.65	1.07	1.30	0.80	−31	−18	+ 2	+19	−20	−14	−16	− 5	+14	−14	0	−0.21
72135	14 45 18.85	−51 18 53.6	6.44	H	221.328 524 92	−51.314 891 17	2.92	−20.48	−14.87	0.53	0.50	0.72	0.54	0.64	−17	−39	+ 2	− 1	+ 6	−11	+ 7	− 6	− 2	−21	0	0.03
72136	14 45 20.20	−09 12 51.1	8.41	H	221.334 175 83	−09.214 201 05	9.54	−49.99	−10.47	0.98	0.94	1.33	1.23	1.19	−26	− 8	−50	+27	+ 0	−23	−16	− 3	+32	−50	0	−0.15
72137 H	14 45 20.24	+20 09 22.3	8.62	H	221.334 331 88	+20.156 181 90 A	5.80	−48.26	20.70	0.96	1.00	1.24	0.96	1.02	−46	− 5	−21	+41	−22	+ 0	−20	+43	−23	−65	0	−1.02
72138	14 45 20.31	−06 44 04.5	7.99	2 T	221.334 639 75	−06.734 596 29	18.83	−84.94	47.34	1.08	0.84	1.18	1.35	1.15	−23	−25	−16	+45	−10	− 2	−17	+22	+24	−34	0	−0.05
72139	14 45 20.58	+18 53 05.7	6.15	H	221.335 730 87	+18.884 909 95	6.59	9.27	18.77	0.56	0.55	0.77	0.63	0.61	−26	+ 4	−22	+40	− 2	− 4	− 5	+29	−10	−40	2	−0.60
72140	14 45 20.60	−36 08 51.9	7.37	H	221.335 836 92	−36.147 741 47	6.10	−19.96	−14.49	0.84	0.49	0.89	0.99	0.74	−10	−22	− 9	− 4	−15	+19	−15	+ 3	− 4	+ 0	0	−0.68
72141	14 45 21.44	−27 12 27.2	8.94	H	221.339 319 33	−27.207 555 08	3.09	−18.81	−4.79	1.20	0.78	1.32	1.54	0.92	−18	−27	− 5	+ 8	− 7	+ 3	− 1	−19	+12	+15	0	−0.11
72142	14 45 21.56	+10 35 56.3	6.91	H	221.339 819 61	+10.598 984 18	6.81	−14.33	5.77	0.73	0.64	0.89	0.74	0.70	−22	−25	−10	− 6	−23	+18	−19	− 8	−15	−30	0	−0.01
72143	14 45 21.58	−08 27 43.4	9.29	H	221.339 914 09	−08.462 045 90	4.35	−11.44	10.96	1.26	1.24	1.98	2.00	1.65	−17	−26	−49	+21	+ 4	−47	−31	+ 7	+42	−50	0	0.53
72144	14 45 23.15	+29 10 53.9	9.74	H	221.346 444 63	+29.181 633 08	1.77	6.60	−1.88	0.93	1.15	1.80	1.07	1.35	−14	− 4	−19	−56	+ 4	+13	+19	− 5	−19	−39	3	2.30
72145	14 45 23.88	+36 03 08.0	10.33	H	221.349 504 88	+36.052 214 34	17.40	−242.30	−52.70	1.08	1.28	1.78	1.26	1.49	+29	−10	− 3	+20	+ 4	− 3	+ 3	+12	+ 6	+20	1	2.10
72146	14 45 24.32	+13 50 48.7	7.87	G	221.351 342 01	+13.846 863 52	51.20	−232.95	−225.68	0.79	0.66	0.98	0.95	0.85	−15	−14	−22	−13	− 5	+18	− 5	−16	+15	−27	0	0.48
72147	14 45 24.84	+31 19 40.7	11.03	H	221.353 498 82	+31.327 966 98	−2.40	−1.23	7.01	1.64	1.70	2.50	2.08	1.99	+16	−20	−10	+12	+17	−24	+18	+18	−22	+20	2	1.18
72148	14 45 25.42	−20 18 56.8	10.14	H	221.355 898 64	−20.315 790 64	4.25	−0.29	−2.34	1.26	0.91	1.47	1.47	1.23	−25	−16	−16	+ 7	−10	+21	− 8	− 8	− 3	−29	0	−0.59
72149	14 45 26.08	−32 48 37.1	9.79	H	221.358 664 41	−32.810 311 12	5.56	−33.38	−33.27	1.74	1.04	2.10	1.87	1.75	−34	− 1	−26	+30	+ 1	+14	+11	−32	+35	−24	0	1.37
72150	14 45 26.30	−48 45 32.8	9.66	H	221.359 582 77	−48.759 108 93	−0.39	−5.23	−49.41	0.92	0.88	1.46	1.04	1.17	−18	−18	−21	+ 6	+28	−23	+25	−32	+19	−21	0	−0.03
72151	14 45 28.23	+57 37 13.8	10.18	H	221.367 611 24	+57.620 504 84	11.96	−181.24	96.03	0.99	1.09	1.18	1.24	1.57	+20	−15	−14	−18	−19	+ 3	−20	−14	− 7	+25	0	0.29
72152	14 45 29.44	+54 57 05.2	8.66	H	221.372 687 27	+54.951 441 11	6.24	−72.38	46.45	0.65	0.66	0.79	0.71	0.74	+17	−25	−24	−19	−14	+11	−14	−17	+16	− 2	0	−0.81
72153 H	14 45 29.74	+42 22 56.4	7.32	H	221.373 925 62	+42.382 341 27 A	11.81	−70.88	53.01	1.45	1.63	1.26	1.23	1.62	−17	− 6	− 2	+ 6	− 5	+ 6	− 3	+ 8	+ 1	+ 7	1	−1.12
72154	14 45 30.23	+00 43 02.2	5.68	H	221.375 952 24	+00.717 290 03	5.31	−39.85	−7.92	1.10	0.74	1.34	1.67	1.06	+20	−16	−48	−46	−20	−16	−35	−59	+54	+18	0	−0.33
72155	14 45 30.75	−37 57 23.5	8.37	G	221.378 104 55	−37.956 537 32	16.01	−96.34	−55.08	0.87	0.71	1.04	0.86	0.81	− 9	−42	−10	− 2	− 5	+ 2	−11	+ 4	+14	− 6	0	0.39
72156	14 45 30.94	+43 42 43.4	9.46	H	221.378 915 91	+43.712 054 79	8.29	−72.97	109.02	0.93	0.88	1.16	1.16	1.08	+16	+ 2	− 3	+10	−15	+ 3	−17	−14	+ 5	+ 7	0	0.19
72157	14 45 31.64	−59 34 15.5	8.49	H	221.381 822 65	−59.570 968 02	2.62	10.51	6.62	0.89	0.67	1.13	1.02	0.86	+16	−27	−18	+18	− 3	−11	− 7	+12	+ 6	+24	0	0.43
72158	14 45 32.49	−26 56 33.4	8.07	H	221.385 378 68	−26.942 601 68	9.93	−30.65	−26.57	0.97	0.61	1.02	1.14	0.78	− 6	−23	+ 4	+ 8	− 7	+ 7	− 8	−24	− 8	− 9	0	−0.77
72159	14 45 33.01	−72 05 14.9	8.57	H	221.387 520 99	−72.087 472 43	5.79	−13.46	−3.44	0.58	0.69	0.88	0.66	0.76	+28	−15	+ 1	+ 5	+ 3	−20	+ 4	+10	− 5	+31	1	1.26
72160	14 45 33.42	+17 53 04.4	7.96	G	221.389 236 39	+17.884 541 84	9.69	32.14	85.66	0.62	0.66	0.94	0.70	0.76	−30	− 9	−23	+24	− 6	− 2	− 7	+13	− 9	−41	0	0.00
72161	14 45 35.83	−16 44 37.5	8.22	H	221.399 305 53	−16.743 747 99	3.92	−38.08	−17.64	0.94	0.59	1.14	1.21	0.84	−41	−19	−20	+32	−28	+23	−28	− 3	+26	−34	0	1.26
72162	14 45 36.13	+08 09 35.2	6.97	H	221.400 558 45	+08.159 788 32	5.27	49.76	−43.44	0.70	0.64	0.89	0.70	0.71	−36	−24	− 4	−16	− 9	+29	−10	−16	− 4	−45	0	1.27
72163 H	14 45 36.75	+12 29 01.7	9.80	H	221.403 114 97	+12.483 817 87 A	4.16	−26.02	11.51	2.79	2.14	2.40	2.81	2.34	+ 6	+ 0	−23	−44	−35	+10	−36	−20	+ 2	− 9	1	−1.23
72164 H	14 45 37.54	−40 01 49.2	8.86	H	221.406 409 33	−40.030 338 94 A	4.59	−17.64	−16.01	1.77	1.64	2.07	1.89	1.69	+10	−17	−29	+ 0	+ 4	−24	−10	+ 0	+17	+11	1	0.80
72165	14 45 37.55	−00 21 53.0	8.37	G	221.406 465 42	−00.364 710 41	0.52	−13.53	−17.37	1.34	1.14	1.44	1.42	1.13	+23	−12	−61	+60	+36	− 5	+38	− 8	+21	+12	0	0.32
72166	14 45 37.71	−47 41 43.4	8.79	H	221.407 130 74	−47.695 387 05	0.13	−11.84	−0.95	0.90	0.81	1.36	1.38	1.38	−41	−13	−23	−10	+34	−26	+32	−44	+19	−38	0	0.48
72167	14 45 38.57	+10 30 50.2	8.93	H	221.410 692 33	+10.513 948 41	9.28	30.87	−40.66	1.00	0.94	1.30	1.06	1.01	−17	−31	−25	−11	−22	+23	−17	−19	− 2	−31	0	−1.24
72168	14 45 39.33	−11 25 20.6	8.10	H	221.413 855 62	−11.422 384 69	4.07	43.90	−116.81	1.03	0.86	1.24	1.31	1.01	−20	− 1	−44	+33	− 6	+15	+ 3	−12	+13	−16	0	1.44
72169	14 45 41.76	−41 15 09.8	8.94	H	221.424 018 57	−41.252 735 23	−0.12	8.34	−4.93	1.17	1.07	1.48	1.55	1.60	−11	−16	−18	− 6	− 4	−17	− 8	+ 7	+22	−33	0	−1.63
72170	14 45 43.45	+04 32 41.4	8.49	H	221.431 055 00	+04.544 831 06	5.15	−28.82	−9.59	1.53	0.84	1.31	1.69	0.97	− 0	−10	− 1	+34	− 9	+11	− 3	+ 6	− 6	− 4	0	−1.65
72171	14 45 43.98	−69 37 09.2	7.31	H	221.433 235 23	−69.619 235 60	2.22	−4.72	−4.24	0.45	0.57	0.76	0.52	0.69	+28	−17	+ 8	− 4	− 1	+ 0	− 2	+ 2	+ 1	+46	0	−2.21
72172	14 45 44.32	−22 24 37.5	7.63	H	221.434 679 65	−22.410 407 25	5.79	−39.47	−14.86	0.81	0.57	0.95	0.96	0.76	−31	−29	−16	+20	−15	+16	−15	+ 0	+ 7	−35	4	1.23
72173	14 45 44.40	−46 10 09.7	9.35	H	221.434 980 46	−46.169 363 21	0.15	−15.59	−5.47	0.93	0.84	1.28	1.20	1.37	−57	− 1	−12	− 1	+12	−13	+20	−21	+12	−27	0	−0.82
72174	14 45 44.43	−12 21 13.0	8.90	H	221.435 116 01	−12.353 611 15	7.75	−32.86	−7.23	1.08	1.01	1.59	1.43	1.02	−24	− 9	−59	+33	−39	+46	−13	+35	−25	−38	0	0.59
72175	14 45 45.09	+37 44 10.2	8.79	H	221.437 895 18	+37.736 162 99	6.00	−38.90	27.05	0.61	0.71	0.99	0.74	0.80	+12	+ 0	+ 6	− 4	+ 7	−21	+ 9	+15	−35	+11	0	1.09
72176	14 45 45.57	+11 56 23.0	8.65	H	221.439 892 93	+11.939 718 60	10.18	−5.81	26.25	1.04	0.89	1.18	1.21	1.05	− 3	+ 7	−25	−38	−35	+18	−32	−14	− 5	−12	2	0.80
72177	14 45 45.65	−45 52 51.4	8.48	H	221.440 207 86	−45.880 951 78	12.81	−193.15	−55.41	0.77	0.86	1.12	0.97	1.25	−56	+ 5	−22	+15	+ 8	− 8	+13	+ 3	− 9	−34	2	1.44
72178	14 45 46.27	−46 48 12.2	8.67	2 H	221.442 797 44	−46.803 400 91	3.15	−42.94	−16.06	0.81	0.83	1.20	0.97	1.28	−57	+ 3	−22	−27	+42	−27	+45	−54	+26	−53	0	−0.23
*72179 H	14 45 48.92	+03 45 02.9	10.43	H	221.453 847 16	+03.750 805 75 A	4.10	−0.90	−15.89	4.44	2.71	4.23	4.16	3.34	−50	−48	+11	+46	−39	−13	+51	+24	+41	−54	0	0.16
*72180	14 45 48.85	+14 38 32.2	8.64	H	221.453 550 79	+14.642 283 39	4.65	−79.98	−3.24	1.00	0.85	1.25	1.12	1.01	−19	−23	− 5	−12	−11	+28	−11	− 1	+ 0	−30	0	−0.53
72181	14 45 51.17	+71 57 58.0	7.52	G	221.463 201 23	+71.966 098 64	4.76	−30.51	23.11	0.62	0.64	0.70	0.94	0.77	+14	− 3	−38	+11	+ 2	−11	− 2	+ 8	+ 2	+ 6	0	−0.53
72182	14 45 51.28	−14 59 28.8	8.72	H	221.463 665 15	−14.991 345 35	13.29	10.93	−17.43	1.01	0.65	1.08	1.23	0.85	−21	− 6	−16	−13	−28	+13	−29	−13	− 5	−10	2	−0.79
72183	14 45 51.79	+13 06 05.7	6.57	H	221.465 788 05	+13.101 592 59	5.38	−18.54	−75.09	0.82	0.58	0.87	0.91	0.69	+ 2	−26	−19	−34	−24	+11	−22	−13	+ 6	−15	0	0.70
72184	14 45 52.07	+33 07 20.2	9.14	H	221.466 951 66	+33.122 288 30	−0.02	−9.58	4.78	0.69	1.11	1.43	0.88	1.17	+ 3	− 4	−45	− 4	+10	−21	− 3	−28	+12	−14	0	1.46
72185	14 45 52.78	−33 30 28.8	9.16	H	221.469 932 24	−33.507 987 67	3.95	−5.03	−3.65	1.23	0.80	1.64	1.47	1.55	−37	− 8	−21	+16	− 2	+ 7	− 2	−29	+39	−28	0	0.28
72186	14 45 52.97	−17 41 53.9	7.29	H	221.470 725 46	−17.698 306 44	5.44	52.65	−49.79	0.88	0.60	0.96	1.17	0.76	−36	−22	+ 0	+24	−25	−19	−25	+ 5	+16	−27	0	0.14
72187	14 45 53.42	+44 24 29.4	8.82	H	221.472 601 54	+44.408 163 42	8.41	−108.73	200.81	0.67	0.67	0.88	0.84	0.79	+13	−11	+ 0	+ 8	− 4	+14	− 5	+ 1	+ 4	+ 7	0	−2.67
72188	14 45 55.11	−04 24 08.3	9.60	H	221.479 631 65	−04.402 300 71	4.31	−13.12	0.57	1.46	1.24	1.56	1.59	1.49	−11	−32	−18	+37	−13	+ 9	−11	+45	+ 1	−21	0	1.40
*72189	14 45 56.86	+46 39 24.9	10.14	H	221.486 927 64	+46.656 914 53	7.03	−59.51	4.62	0.89	0.88	1.11	1.17	1.07	+10	− 4	− 5	+10	− 6	− 1	− 5	+10	+ 9	+ 1	0	−0.46
*72190	14 45 56.84	+10 03 07.5	7.52	H	221.486 842 27	+10.052 070 74	17.87	−96.37	−26.09	0.76	0.73	0.97	0.79	0.84	−32	−22	−26	−10	− 5	+10	− 9	−24	+13	−50	0	−1.05
72191 H	14 45 57.50	+47 22 52.8	10.60	H	221.489 595 03	+47.381 343 99 A	15.58	−126.98	43.40	5.27	4.81	4.38	4.63	3.76	−23	+ 4	+ 4	− 4	− 8	+ 2	− 5	− 1	− 5	−34	1	0.60
72192	14 45 57.66	−44 52 02.9	6.91	H	221.490 251 05	−44.867 472 96	7.72	−26.06	−20.77	0.64	0.92	0.94	0.84	1.07	−38	− 2	−28	+ 8	+ 9	− 2	+10	−27	+14	−30	0	1.21
72193	14 45 57.75	+51 37 35.5	8.56	H	221.490 640 87	+51.626 538 55	3.69	−19.05	2.87	0.68	0.56	0.75	0.72	0.58	+ 4	− 1	+ 3	−20	−10	− 6	− 6	− 7	− 8	−23	0	−0.48
72194	14 45 57.78	−15 27 34.4	6.33	G	221.490 749 75	−15.459 544 66	2.94	−39.54	1.62	0.74	0.51	0.84	0.91	0.67	−35	− 6	−28	+22	−32	+22	−29	+ 4	+ 4	−31	4	0.70
72195	14 45 58.58	−06 18 30.6	9.97	H	221.494 088 94	−06.308 509 04	2.87	−5.09	−11.41	1.63	1.17	1.71	1.95	1.45	−19	−35	− 3	+32	−12	+11	−12	+26	+ 5	−17	0	0.55
72196	14 46 00.03	−36 26 44.5	8.59	H	221.500 126 72	−36.445 686 26	2.77	−6.90	−4.24	1.02	0.74	1.19	1.07	1.06	−21	−23	−17	− 4	−10	+10	− 8	+ 6	−11	−26	0	−0.56
72197 H	14 46 00.18	−25 26 34.5	5.15	1 G	221.500 740 84	−25.442 915 57 A	32.86	−151.50	−109.07	0.96	0.68	0.92	1.17	0.75	−20	−14	− 7	− 5	−22	+21	−19	−21	+ 3	− 7	7	0.74
72198	14 46 01.59	+64 37 33.1	8.23	1 H	221.506 625 68	+64.625 863 48	1.04	16.35	−33.66	0.56	0.56	0.63	0.59	0.64	+ 0	− 7	−17	−21	+ 5	+16	+ 6	+ 2	− 4	−16

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
72101	11.052	0.052	10.557	0.052		0.466	0.067	T	0.54	0.07	L	10.5750	0.0027	0.027	117		10.53	10.62					1							G
72102	9.353	0.018	8.582	0.015	*	0.686	0.017	T	0.74	0.01	L *	8.6294	0.0020	0.013	65	*	8.60	8.65		C			2 C	A	AB	191	0.635	0.019	3.24	0.10	
72103	9.659	0.020	7.266	0.007		2.010	0.015	G	2.00	0.01	J	7.0493	0.0029	0.023	136		7.02	7.09		U 2 C			1							S
72104	4.944	0.002	4.925	0.002		0.013	0.006	G	0.02	0.00	A	4.9325	0.0006	0.004	94		4.93	4.94					1							S
72105	3.562	0.004	2.470	0.003	*	0.966	0.004	G	0.95	0.00	H *	2.5167	0.0005	0.004	87	*	2.51	2.52		D	14449+2704	I 1	2 C	A	AB	341	2.867	0.003	2.19	0.02	S
72106	8.699	0.014	7.606	0.009		0.929	0.028	G	0.95	0.02	A	7.6788	0.0011	0.009	60		7.67	7.69		C			1							S
72107	9.827	0.019	9.723	0.025		0.101	0.029	T	0.11	0.03	L	9.7498	0.0021	0.025	151		9.70	9.80					1							G
72108	11.253	0.087	10.646	0.088		0.564	0.091	T	0.64	0.08	L	10.5768	0.0066	0.031	53		10.53	10.62		C			1							G
72109	8.806	0.010	8.383	0.011		0.400	0.014	T	0.47	0.01	L	8.4462	0.0013	0.011	130		8.42	8.47		C			1							S
72110	9.731	0.016	9.087	0.014		0.598	0.018	T	0.67	0.02	L	9.1488	0.0023	0.024	149		9.12	9.20					1							
72111	11.791	0.106	10.480	0.050		1.114	0.092	T	1.08	0.10	L	10.5106	0.0032	0.032	118		10.46	10.56		C			1							
72112	10.577	0.031	10.190	0.036		0.366	0.044	T	0.43	0.05	L	10.2301	0.0030	0.028	148		10.18	10.28		C			1							G
72113	9.483	0.016	9.276	0.018		0.198	0.023	T	0.22	0.03	L	9.3104	0.0021	0.021	116		9.27	9.35					1							S
72114	9.725	0.023	9.311	0.025		0.391	0.031	T	0.46	0.03	L	9.3655	0.0021	0.018	86		9.33	9.39					1							
72115	11.630	0.091	11.348	0.116		0.268	0.138	T	0.30	0.17	L	11.5791	0.0424	0.349	142		10.78	11.81	0.53	P 1 A			1							D
72116	10.624	0.050	9.694	0.034		0.808	0.047	T	0.85	0.05	L	9.7578	0.0028	0.025	98		9.71	9.78					1 X							
72117	10.345	0.037	8.777	0.019		1.338	0.034	T	2.86	0.07	O	8.4883	0.0078	0.041	64		8.42	8.54		U 2			1							
72118	8.906	0.011	7.689	0.007		1.040	0.010	T	1.01	0.01	L	7.7360	0.0013	0.012	163		7.71	7.76		C			1							
72119	9.605	0.024	8.496	0.016		0.936	0.017	G	0.98	0.02	I	8.5339	0.0015	0.015	120		8.51	8.56		C			1							
72120	9.702	0.026	9.021	0.023		0.630	0.029	T	0.70	0.03	L	9.1152	0.0031	0.022	57		9.08	9.15		C			1							
72121	6.006	0.003	6.083	0.004		−0.066	0.005	T	−0.04	0.01	L	6.0827	0.0011	0.010	144		6.07	6.10	0.13	P 1 A	14452−5536	I 2	1							S
72122	8.127	0.013	6.242	0.006		1.608	0.015	G	1.94	0.05	F	6.1429	0.0054	0.022	47		6.11	6.17		U 2			1							S
72123	9.824	0.013	7.940	0.006		1.598	0.012	T	1.77	0.04	O	7.8587	0.0012	0.019	248		7.82	7.89		U 2			1							S
72124	8.358	0.008	6.460	0.003		1.610	0.007	T	1.93	0.02	O	6.3553	0.0015	0.015	170		6.33	6.38		U 2			1							S
72125	5.833	0.003	4.707	0.002		0.972	0.005	G	0.94	0.03	C	4.7668	0.0005	0.004	112		4.76	4.78		C			1							S
72126	9.593	0.021	8.974	0.019		0.576	0.025	T	0.65	0.02	L	9.0432	0.0021	0.018	73		9.01	9.08		C			1							
72127	9.923	0.022	8.322	0.011		1.341	0.019	T	1.31	0.02	L	8.3348	0.0014	0.012	113		8.31	8.36					1							
72128	10.473	0.037	9.896	0.035		0.542	0.038	T	0.62	0.04	L	9.9824	0.0034	0.028	80		9.93	10.02		C			1							
72129	10.879	0.049	10.421	0.051		0.432	0.065	T	0.50	0.07	L	10.4176	0.0023	0.023	103		10.37	10.45		C			1							
72130	7.803	0.006	7.275	0.006		0.495	0.008	T	0.57	0.01	L	7.3293	0.0012	0.011	137		7.31	7.35					1							S
72131	5.714	0.002	5.393	0.002		0.308	0.003	T	0.35	0.00	L	5.4363	0.0004	0.006	206		5.43	5.45		C	14453−6253	I 1	1							S
72132	10.939	0.042	10.320	0.038		0.576	0.049	T	0.65	0.04	L	10.4158	0.0038	0.036	148		10.35	10.49		C			1							
72133	9.200	0.014	7.658	0.008		1.389	0.006	G	1.40	0.02	A	7.6563	0.0009	0.010	147		7.64	7.69			14452−5536	I 2	1							
72134	8.862	0.014	8.262	0.012		0.563	0.015	G	0.64	0.01	H	8.3333	0.0018	0.016	87		8.31	8.36		C			1							S
72135	8.552	0.011	6.635	0.005		1.591	0.010	T	1.61	0.01	L	6.5579	0.0011	0.011	108		6.54	6.58					1							S
72136	8.944	0.019	8.446	0.018		0.468	0.024	T	0.54	0.03	L	8.5123	0.0019	0.013	49		8.49	8.53		C			1							S
72137	9.111	0.013	8.697	0.014	A	0.200	0.495	G	0.52	0.03	L *	8.7207	0.0018	0.019	123	*	8.69	8.76		D	14453+2009	I 1	2 C	A	AB	189	4.683	0.023	3.33	0.10	S
72138	8.675	0.016	8.056	0.014		0.576	0.019	T	0.65	0.02	L	8.0981	0.0512	0.158	51		7.93	8.31	0.35	P 1 A			1							S
72139	7.199	0.005	6.244	0.004		0.841	0.005	T	0.86	0.00	L	6.3023	0.0006	0.006	109		6.29	6.32					1							S
72140	7.483	0.007	7.376	0.008		0.104	0.010	T	0.12	0.01	L	7.4073	0.0010	0.008	88		7.40	7.42			14453−3609	I 1	1							S
72141	10.274	0.033	9.029	0.019		1.062	0.030	T	1.03	0.03	L	9.1087	0.0024	0.020	71		9.08	9.14		C			1							
72142	8.260	0.012	7.019	0.006		1.059	0.010	T	1.03	0.01	L	7.0726	0.0014	0.009	82		7.06	7.09		C			1							S
72143	10.525	0.047	9.428	0.030		0.947	0.043	T	0.94	0.03	L	9.4492	0.0022	0.017	56		9.42	9.49					1							
72144	10.304	0.025	9.843	0.026		0.435	0.033	T	0.50	0.04	L	9.8362	0.0030	0.033	144		9.77	9.89			14454+2911	I 1	1	S						
72145	11.795	0.091	10.577	0.045		1.079	0.074	T	1.08	0.08	L	10.4872	0.0044	0.044	166		10.42	10.58		R			1							
72146	9.043	0.017	7.956	0.012		0.931	0.016	T	0.93	0.01	L	8.0099	0.0016	0.011	82		7.97	8.04		C			1							S
72147	11.414	0.073	10.884	0.077		0.494	0.072	G	0.57	0.08	R	11.1414	0.0066	0.041	95		11.07	11.25					1							G
72148	10.679	0.047	10.223	0.051		0.443	0.055	T	0.51	0.06	L	10.2360	0.0024	0.024	92		10.19	10.27		C			1							
72149	10.334	0.035	9.845	0.035		0.472	0.038	T	0.54	0.04	L	9.8920	0.0026	0.026	87		9.83	9.93					1							
72150	10.661	0.036	9.725	0.025		0.827	0.033	T	0.85	0.02	L	9.8207	0.0021	0.023	144		9.77	9.86		C			1							G
72151	11.140	0.055	10.282	0.042		0.753	0.053	T	0.79	0.05	L	10.3102	0.0028	0.030	113		10.25	10.38					1							
72152	9.182	0.013	8.698	0.012		0.456	0.016	T	0.53	0.02	L	8.7607	0.0012	0.013	120		8.73	8.79					1							S
72153	7.864	0.007	7.375	0.005	*	0.465	0.002	G	0.54	0.00	R *	7.4185	0.0011	0.010	135	*	7.40	7.44		D	14455+4223	I 1	2 C	A	AB	124	0.376	0.002	0.04	0.01	S
72154	5.657	0.007	5.672	0.006		−0.021	0.005	G	0.01	0.00	L	5.6789	0.0009	0.006	55		5.67	5.69		C			1							S
72155	9.100	0.016	8.450	0.015		0.609	0.015	G	0.68	0.01	H	8.4973	0.0019	0.013	64		8.48	8.52		C			1							
72156	10.204	0.026	9.510	0.023		0.640	0.028	T	0.70	0.03	L	9.5898	0.0022	0.022	133		9.56	9.63		C			1							
72157	10.590	0.039	8.653	0.014		1.607	0.033	T	1.63	0.03	L	8.6041	0.0020	0.016	129		8.57	8.64					1							
72158	8.407	0.011	8.105	0.011		0.288	0.017	T	0.33	0.02	L	8.1490	0.0018	0.013	78		8.13	8.17		C	14455−2657	I 1	1 G							S
72159	8.617	0.009	8.581	0.011		0.033	0.013	T	0.05	0.01	L	8.5905	0.0020	0.023	147		8.56	8.62					1							
72160	8.639	0.010	8.019	0.009		0.557	0.003	G	0.63	0.00	H	8.0761	0.0013	0.012	116		8.06	8.10		C			1							S
72161	9.447	0.020	8.323	0.013		0.968	0.019	T	0.95	0.01	L	8.3830	0.0014	0.010	88		8.37	8.40		C			1							
72162	8.269	0.013	7.075	0.008		1.022	0.012	T	1.00	0.01	L	7.1323	0.0009	0.009	93		7.12	7.15		C			1							S
72163	10.458	0.040	9.898	0.038	*	0.524	0.049	T	0.60	0.05	L *	9.9171	0.0026	0.022	76	*	9.87	9.95		D	14456+1229	H 1	2 C	A	AB	45	0.556	0.011	1.89	0.05	
72164	9.351	0.021	8.963	0.022	A	0.433	0.107	G	0.39	0.08	L *	8.9404	0.0027	0.019	69	*	8.92	9.01		D	14456−4002	I 1	2 C	A	AB	2	8.573	0.026	2.57	0.11	
72165	10.462	0.059	8.538	0.024		1.514	0.005	G	1.60	0.02	A	8.4896	0.0016	0.012	46		8.46	8.53		C			1							
72166	9.968	0.023	8.898	0.015		0.927	0.021	T	0.92	0.01	L	8.9466	0.0017	0.020	117		8.92	8.98					1							
72167	9.441	0.019	8.951	0.019		0.461	0.024	T	0.53	0.03	L	9.0287	0.0023	0.017	89		8.99	9.05					1							S
72168	9.291	0.023	8.204	0.016		0.940	0.021	T	0.93	0.01	L	8.2615	0.0014	0.012	53		8.24	8.27		C			1	S						S
72169	10.163	0.044	9.041	0.028		0.966	0.041	T	0.95	0.03	L	9.1058	0.0025	0.017	51		9.07	9.14		C			1							
72170	9.125	0.016	8.562	0.015		0.527	0.020	T	0.60	0.02	L	8.6094	0.0023	0.014	69		8.58	8.63		C			1 G							S
72171	8.725	0.009	7.446	0.005		1.089	0.008	T	1.05	0.01	L	7.4826	0.0011	0.012	181		7.46	7.50					1							S
72172	7.817	0.008	7.649	0.009		0.153	0.011	T	0.17	0.01	L	7.6829	0.0010	0.009	87		7.67	7.70			14457−2225	I 1	1							S
72173	10.702	0.033	9.458	0.019		1.061	0.030	T	1.03	0.03	L	9.5120	0.0018	0.017	152		9.49	9.54					1							
72174	9.370	0.022	8.947	0.023		0.400	0.029	T	0.47	0.03	L	8.9908	0.0013	0.012	49		8.96	9.02		C			1							S
72175	9.499	0.015	8.845	0.013		0.607	0.017	T	0.68	0.01	L	8.9222	0.0013	0.016	145		8.90	8.96		C			1							
72176	9.208	0.017	8.705	0.017		0.473	0.022	T	0.54	0.02	L	8.7504	0.0017	0.015	79		8.72	8.77		C			1							S
72177	9.328	0.013	8.564	0.010		0.690	0.003	G	0.75	0.02	A	8.6181	0.0014	0.016	152		8.59	8.65		C			1							
72178	9.195	0.012	8.732	0.012		0.462	0.016	G	0.53	0.02	A	8.7757	0.0019	0.019	148		8.75	8.83		U 2			1							
72179	11.513	0.091	10.808	0.078	A	0.600	0.495	G	0.66	0.07	B *	10.5603	0.0032	0.031	86	*	10.51	10.61		D	14458+0345	I 1	2 C	A	AB	275	3.884	0.014	1.04	0.05	
72180	9.276	0.016	8.702	0.015		0.537	0.019	T	0.61	0.02	L	8.7551	0.0023	0.017	90		8.73	8.78		C			1							S
72181	7.718	0.008	7.529	0.010		0.154	0.015	G	0.17	0.01	H	7.5577	0.0015	0.011	89		7.54	7.58		C			1							S
72182	9.414	0.022	8.792	0.020		0.575	0.022	T	0.65	0.02	L	8.8428	0.0021	0.014	74		8.82	8.87					1							
72183	8.247	0.011	6.710	0.006		1.291	0.010	T	1.25	0.01	L	6.7288	0.0009	0.009	74		6.71	6.75					1							S
72184	10.341	0.022	9.233	0.014		0.955	0.020	T	0.94	0.01	L	9.3023	0.0023	0.028	174		9.26	9.36					1							
72185	9.649	0.021	9.232	0.021		0.394	0.027	T	0.46	0.03	L	9.2524	0.0023	0.020	101		9.21	9.29					1	S						
72186	9.170	0.016	7.458	0.008		1.429	0.014	T	1.42	0.02	L	7.4305	0.0013	0.013	83		7.40	7.45					1							S
72187	9.388	0.016	8.844	0.015		0.510	0.020	T	0.58	0.02	L	8.9286	0.0017	0.019	147		8.90	8.96		C			1							S
72188	10.687	0.071	9.694	0.046		0.869	0.063	T	0.88	0.05	L	9.7569	0.0026	0.015	45		9.71	9.78		C			1							
72189	10.838	0.040	10.234	0.037		0.563	0.048	T	0.64	0.04	L	10.2625	0.0035	0.029	125		10.22	10.32					1							
72190	8.259	0.012	7.578	0.010		0.612	0.015	G	0.68	0.01	H	7.6461	0.0009	0.009	89		7.63	7.66		C			1							S
72191	11.904	0.124	10.848	0.075	*	0.916	0.110	T	0.91	0.08	L *	10.7458	0.0058	0.043	116	*	10.68	10.83		R	14460+4723	H 1	2 C	A	AB	312	0.426	0.008	0.43	0.08	G
72192	6.974	0.005	6.914	0.007		0.053	0.013	G	0.08	0.02	A	6.9349	0.0010	0.009	85		6.92	6.95		C	14460−4452	I 1	1 G							S
72193	8.783	0.011	8.591	0.012		0.184	0.015	T	0.20	0.02	L	8.6230	0.0015	0.015	98		8.60	8.66					1							S
72194	7.907	0.008	6.475	0.005		1.194	0.005	G	1.15	0.01	H	6.4887	0.0008	0.007	87		6.47	6.50		D	14460−1528	I 1	1	S						S
72195	10.362	0.047	9.973	0.051		0.368	0.064	T	0.43	0.07	L	10.0529	0.0044	0.027	53		10.01	10.10		C			1							
72196	10.170	0.034	8.736	0.018		1.210	0.030	T	1.17	0.03	L	8.7497	0.0019	0.013	79		8.73	8.77		C			1							
72197	5.456	0.009	5.111	0.012	A	0.315	0.001	G	0.38	0.02	A *	5.0285	0.0013	0.013	67	*	5.02	5.07		U 2	14460−2527	I 1	2 C	A	AB	124	8.325	0.008	2.07	0.02	S
72198	8.092	0.008	8.211	0.011		−0.095	0.006	G	−0.08	0.01	H	8.2042	0.0029	0.023	110		8.17	8.24	2.55	P 1 A			1							S
72199	9.278	0.013	8.644	0.012		0.589	0.015	T	0.66	0.01	L	8.6944	0.0020	0.021	143		8.66	8.74					1							S
72200	9.055	0.014	8.046	0.010		0.870	0.013	T	0.88	0.01	L	8.1130	0.0020	0.017	114		8.09	8.14					1							S

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)										Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
72201	14 46 03.15	+33 52 45.9	9.96	H	221.513 137 35	+33.879 415 75	4.58	−40.85	−5.83	0.78	1.15	1.78	0.80	1.12	+47	−34	−48	− 1	− 6	− 7	− 8	+ 1	− 9	+34	1	2.57
72202	14 46 03.21	−18 58 45.3	8.11	H	221.513 355 18	−18.979 248 15	5.32	17.48	−11.65	0.82	0.54	0.93	1.01	0.68	−15	−21	−17	− 3	−16	+ 6	−18	−14	+21	−12	0	0.00
*72203	14 46 03.38	−68 45 45.4	8.80	G	221.514 100 01	−68.762 606 12	14.79	−198.84	−58.77	0.68	0.87	1.13	0.82	1.07	+35	−18	+ 0	+12	+ 8	− 8	+ 9	+12	− 5	+49	0	1.03
*72204	14 46 03.37	−46 47 05.2	9.57	G	221.514 058 05	−46.784 790 36	0.55	−4.60	17.80	1.05	1.03	1.56	1.23	1.59	−54	− 2	−22	−23	+38	−25	+39	−49	+27	−50	0	−0.95
72205	14 46 03.43	+22 04 37.7	8.79	H	221.514 274 33	+22.077 133 35	1.87	−25.60	−34.14	0.75	0.75	1.00	0.80	0.75	−25	−11	+ 4	+28	+ 4	−12	+ 3	+22	− 5	−37	0	−0.32
72206	14 46 03.60	−62 32 08.5	7.92	G	221.514 979 62	−62.535 688 51	8.06	38.71	8.66	0.53	0.60	0.94	0.62	0.68	+22	−16	+10	+47	+14	−23	+21	+24	− 7	+38	1	−0.97
72207	14 46 05.69	−71 21 46.4	8.14	H	221.523 728 66	−71.362 894 22	1.66	−31.09	−22.09	0.55	0.67	0.85	0.65	0.80	+14	−19	− 2	+12	+ 6	−17	+ 5	+31	+ 0	+17	0	−0.94
72208	14 46 06.00	+15 07 54.3	5.78	2 H	221.524 988 66	+15.131 741 02	3.59	−85.07	19.27	0.74	0.57	0.86	0.85	0.66	− 1	−28	−22	−11	−28	+29	−24	+ 7	+ 4	− 9	0	1.55
72209	14 46 06.27	−13 45 54.8	9.23	2 H	221.526 137 26	−13.765 208 76	4.32	−27.74	13.86	1.18	1.01	1.47	1.47	1.04	−32	+ 0	−47	+27	−31	+25	−19	+22	−26	−31	0	1.12
72210	14 46 06.75	−23 09 10.3	5.80	G	221.528 134 97	−23.152 862 04	8.91	25.85	−64.04	0.82	0.51	0.96	0.94	0.71	−29	−39	−13	+21	−20	+15	−27	− 3	+18	−41	0	−1.09
72211	14 46 07.62	−42 08 52.4	8.13	1 H	221.531 763 34	−42.147 883 76	2.33	−7.76	9.27	0.97	0.93	1.28	0.86	1.03	− 9	−36	−29	+ 4	+23	−23	+ 5	−24	+31	−36	0	0.42
72212	14 46 08.00	+00 45 38.4	9.91	G	221.533 338 14	+00.760 674 12	4.33	12.74	2.46	1.92	1.78	2.90	2.99	1.85	+15	−24	−66	−18	+24	−34	−13	−30	+37	+ 8	0	0.31
72213	14 46 08.59	+05 12 35.1	9.05	H	221.535 786 05	+05.209 744 50	5.58	−57.25	38.01	1.37	0.95	1.51	1.65	1.29	− 9	−32	−17	−17	−23	+ 7	−27	−19	+ 9	−18	0	0.38
72214	14 46 09.51	+35 55 15.2	9.22	H	221.539 607 74	+35.920 897 76	2.61	−16.82	−6.02	0.77	0.96	1.29	0.83	1.05	+17	+13	+ 1	+ 5	−14	+ 7	−15	− 5	− 2	+ 0	0	−0.19
72215	14 46 09.87	−37 14 00.1	9.51	H	221.541 145 74	−37.233 369 25	0.01	−11.99	−5.89	1.40	1.26	1.71	1.29	1.51	−20	−40	−16	+15	−12	− 8	−10	+25	− 4	−42	0	0.54
72216	14 46 10.50	−30 58 12.2	8.78	H	221.543 738 10	−30.970 053 07	8.52	−23.88	−25.32	1.11	0.78	1.43	1.33	1.22	−33	−17	−11	− 8	+ 7	−18	+ 3	−33	+42	−16	0	−0.01
72217 H	14 46 10.92	−21 10 32.6	6.43	H	221.545 481 69	−21.175 714 61 *	23.64	−56.02	−103.63	1.57	1.26	1.07	1.12	0.93	−31	−27	−10	+24	−12	+ 8	−22	− 7	+18	−59	6	0.42
72218	14 46 13.51	−07 47 48.9	7.14	H	221.556 284 79	−07.796 921 92	8.57	−5.93	−13.86	1.01	0.77	1.29	1.29	1.39	−20	−50	−22	+36	−21	−26	−45	+22	+48	−53	0	2.23
72219	14 46 14.60	+36 25 53.7	7.71	H	221.560 819 27	+36.431 584 84	1.23	−78.15	−135.08	0.51	0.60	0.82	0.61	0.67	+19	+ 3	+ 7	− 2	− 6	+ 1	− 5	+ 3	− 4	+ 4	1	1.77
72220	14 46 14.99	+01 53 34.6	3.73	G	221.562 465 94	+01.892 938 30	25.35	−116.04	−21.75	0.88	0.58	0.87	1.26	0.70	−21	−23	+16	+10	−47	−16	−40	+ 1	+10	+12	0	0.09
72221 H	14 46 15.54	+09 38 50.6	7.26	G	221.564 739 70	+09.647 388 86 A	23.15	73.74	−264.01	1.48	1.31	1.84	1.14	1.18	−17	−28	−52	− 2	−33	+22	−37	−10	+41	−44	1	0.10
72222 H	14 46 15.78	+31 45 45.0	8.78	2 H	221.565 752 20	+31.762 492 60 *	1.63	−24.98	1.05	0.81	0.85	1.20	0.88	0.96	+ 3	−18	−10	−15	+10	− 1	+13	+ 3	−12	− 9	0	2.02
72223	14 46 16.34	+03 30 15.1	7.38	H	221.568 066 32	+03.504 204 49	25.50	16.96	−57.97	0.95	0.61	0.98	0.96	0.75	−36	−35	+ 1	+29	−34	+10	−35	+19	+ 3	−35	0	−0.04
72224	14 46 17.50	−66 06 59.0	8.02	H	221.572 930 31	−66.116 391 62	3.40	−4.31	−3.17	0.46	0.67	0.96	0.52	0.81	+34	− 8	− 4	−18	+12	− 2	+11	+15	− 7	+40	0	0.86
72225	14 46 17.57	−39 04 15.7	9.03	H	221.573 209 48	−39.071 015 00 A	4.76	−73.59	−38.65	3.04	2.34	2.51	3.02	2.36	+ 0	−18	− 1	+18	+13	−26	+18	− 6	+10	+18	11	1.90
72226	14 46 17.81	−00 50 01.8	6.91	G	221.574 221 09	−00.833 830 67	5.79	−14.19	23.41	0.91	0.92	1.17	1.07	0.97	+ 5	−10	−61	+40	+22	− 1	+26	−16	+24	− 2	0	−1.01
72227	14 46 18.08	+43 27 56.5	8.60	G	221.575 345 37	+43.465 684 17	3.27	−19.75	2.05	0.67	0.67	0.86	0.94	0.89	+22	− 7	− 9	+ 4	−12	−13	− 4	+ 0	+24	0	0	−2.08
72228	14 46 18.18	−48 39 18.0	8.35	H	221.575 748 63	−48.655 005 03	2.42	9.73	−20.33	0.77	0.74	1.29	0.84	0.99	−20	−33	−22	+ 8	+22	−32	+ 9	−24	+26	−33	3	1.78
72229	14 46 18.27	+14 30 37.2	7.26	1 H	221.576 123 00	+14.510 330 68	1.57	5.32	−15.20	0.76	0.63	0.93	0.87	0.74	−16	−24	−13	−12	−11	+19	−10	−14	+ 5	−22	0	−0.32
72230	14 46 19.26	+06 32 46.7	8.83	H	221.580 257 32	+06.546 292 02	0.38	−4.15	−8.23	1.11	0.94	1.34	1.33	1.11	−47	− 4	−10	− 2	−24	+17	−23	+ 4	− 5	−47	0	−0.48
72231	14 46 19.49	−39 04 24.3	10.10	H	221.581 197 05	−39.073 429 34 B	−1.92	1.10	−0.61	11.30	8.97	7.82	7.30	6.20	− 3	−23	− 3	+14	+10	−27	+12	− 8	+11	+13	11	1.90
72232	14 46 19.49	−63 55 18.4	9.29	H	221.581 206 54	−63.921 767 31	3.14	−15.12	−11.59	0.93	0.94	1.38	1.20	1.28	+25	−20	− 4	+37	+ 4	− 7	+ 7	+14	+ 1	+39	0	0.34
72233	14 46 19.82	−79 07 11.8	8.00	1 H	221.582 587 50	−79.119 933 02	2.98	4.45	1.24	0.57	0.65	0.77	0.59	0.74	+ 9	−14	+ 5	+ 4	+ 6	−11	+ 4	+21	+18	+ 7	0	1.98
72234	14 46 20.13	+14 45 52.2	10.57	H	221.583 884 56	+14.764 497 11	5.39	−7.40	8.44	1.57	1.36	1.98	1.79	1.58	−25	−25	−12	− 9	− 5	+25	− 2	−15	− 3	−33	2	1.80
72235 H	14 46 22.42	−33 45 58.1	8.30	H	221.593 417 48	−33.766 126 79 A	23.44	93.62	−12.46	1.59	1.10	1.84	1.73	1.59	−34	−25	+ 1	− 2	−17	+ 4	−25	− 8	+23	−10	5	0.28
72236	14 46 22.56	+27 54 01.4	8.67	G	221.594 004 92	+27.900 375 44	14.67	−156.71	−95.60	0.76	0.87	1.26	0.77	1.05	+11	−23	−38	−21	−19	− 1	−12	+ 8	+10	−39	2	1.89
72237	14 46 23.35	+16 29 56.2	9.23	H	221.597 284 79	+16.498 939 14	56.87	−110.78	−919.57	1.04	0.89	1.29	1.40	1.06	−15	−20	−15	+ 7	−17	+ 5	−13	− 5	− 5	−16	0	2.32
72238	14 46 23.44	+56 36 59.0	6.61	H	221.597 670 74	+56.616 399 97	4.94	−12.82	0.12	0.52	0.55	0.59	0.56	0.65	+14	+ 8	+ 3	−24	−14	−10	−16	−29	−15	+13	0	0.37
72239	14 46 24.20	−10 29 48.1	8.62	H	221.600 850 35	−10.496 689 35	−0.21	−16.83	10.94	1.14	1.01	1.65	1.43	1.12	+13	−34	−67	+23	− 1	− 7	−18	−13	+32	−13	0	−0.43
72240	14 46 24.98	−33 07 31.1	9.47	H	221.604 072 13	−33.125 292 83	2.15	−32.34	−12.76	1.35	0.87	1.68	1.62	1.54	−35	− 2	−24	+21	− 3	+11	+ 6	−29	+38	−17	0	−0.59
72241	14 46 25.76	−37 13 20.1	8.08	2 G	221.607 332 43	−37.222 242 07	1.48	1.33	−2.22	0.84	0.74	1.03	0.76	0.88	−11	−38	−25	+10	−11	+ 8	+ 1	+27	−20	−38	0	−0.01
72242	14 46 26.76	−64 32 34.9	7.37	H	221.611 499 44	−64.543 016 36	2.90	−2.29	−2.86	0.49	0.61	0.82	0.59	0.75	+24	−17	− 5	+24	+18	− 2	+19	+18	− 3	+47	0	−2.36
72243	14 46 27.06	−01 26 48.8	8.96	H	221.612 762 49	−01.446 883 01	1.29	−14.27	−15.60	1.16	1.36	1.67	1.27	1.31	− 7	−24	−61	+ 9	+25	−15	+15	−26	+19	−35	0	0.08
72244	14 46 27.29	+25 56 54.8	8.10	H	221.613 707 41	+25.948 549 69	−0.06	16.54	−20.39	0.79	0.65	1.11	1.09	0.96	+ 8	−10	−32	+ 6	+ 6	−21	+11	+21	− 3	−54	0	−0.40
72245	14 46 27.51	−31 40 55.6	8.10	H	221.614 608 15	−31.682 112 82	5.29	16.07	18.36	0.90	0.70	1.19	1.03	0.94	−28	− 7	−39	+15	+ 8	+ 9	+19	−35	+42	− 4	0	0.90
72246	14 46 27.92	−49 33 16.1	10.34	H	221.616 323 70	−49.554 476 70	10.21	20.86	−0.53	1.32	1.24	2.21	1.53	1.55	−18	−21	−15	− 2	+20	−38	+13	−19	+21	−16	0	−0.56
72247	14 46 28.06	−22 24 14.2	7.34	H	221.616 935 96	−22.403 934 83	12.16	−89.17	−41.62	0.78	0.53	0.90	0.94	0.73	−27	−26	−18	+23	−11	+17	−11	− 4	+ 6	−34	0	−2.50
72248	14 46 28.13	−36 27 27.0	9.35	H	221.617 202 32	−36.457 512 92	13.89	−124.41	−97.17	1.17	1.10	1.45	1.25	1.30	−16	− 9	−34	+ 3	− 2	+10	+ 4	+10	− 7	−27	0	−0.79
72249	14 46 28.47	+32 29 58.5	8.03	H	221.618 628 63	+32.499 586 01	10.94	−40.42	−38.13	0.45	0.79	1.02	0.61	0.89	+ 6	+ 1	−43	+ 7	+ 9	−20	− 4	−22	+18	−14	0	0.62
72250	14 46 29.03	−47 26 27.9	5.74	H	221.620 949 63	−47.441 079 99	9.59	−39.79	−14.74	0.54	0.57	0.83	0.69	0.94	−47	− 3	−37	−25	+40	−35	+30	−46	+34	−62	0	0.22
72251	14 46 29.64	+14 51 19.2	7.67	H	221.623 506 55	+14.855 330 90	5.02	−20.18	7.18	0.84	0.67	1.00	0.89	0.79	− 9	−17	−21	−18	−26	+27	−22	+ 4	− 2	−27	0	−0.79
72252 H	14 46 30.07	−27 53 06.4	10.67	G	221.625 271 57	−27.885 101 65 *	3.91	5.40	0.68	2.22	1.27	2.18	3.00	1.69	+ 5	+ 3	+ 7	−24	−23	−20	−21	−29	− 5	+34	2	3.08
72253	14 46 30.13	+50 23 52.3	7.78	H	221.625 540 72	+50.397 848 82	15.87	−40.56	50.77	0.53	0.49	0.62	0.64	0.55	+11	− 4	− 5	+ 7	−12	+ 7	−14	− 3	− 9	−20	0	−0.05
72254 H	14 46 31.95	−56 11 05.4	8.50	H	221.633 128 13	−56.184 839 79 *	2.63	−38.29	−36.76	0.90	0.62	1.18	1.19	1.05	+29	−27	−11	+20	+ 9	−21	+10	−17	+11	+37	0	0.28
72255	14 46 32.87	+30 38 15.7	9.24	H	221.636 950 96	+30.637 687 71	0.26	5.69	−18.79	0.92	1.06	1.32	1.18	1.13	−11	− 7	−29	+ 9	− 7	+ 9	− 2	+24	−16	−31	0	1.28
72256	14 46 33.02	+28 53 49.0	10.82	H	221.637 575 63	+28.896 943 13	6.95	−64.03	−57.16	1.20	1.61	2.37	1.57	1.98	− 1	+ 2	−28	−34	−21	+31	− 3	+ 2	− 7	−31	0	0.51
72257	14 46 33.63	−32 10 15.2	8.48	2 T	221.640 135 79	−32.170 902 64	2.81	3.19	−0.43	1.05	0.67	1.31	1.20	1.03	−34	+ 8	−34	+ 7	+ 0	+14	+19	−39	+43	+ 4	0	−0.43
72258	14 46 34.77	−68 07 19.3	8.29	H	221.644 882 71	−68.122 040 03	4.75	−11.19	−29.43	0.58	0.74	1.09	0.67	0.95	+19	− 9	+ 7	− 2	+ 6	−36	+10	+17	−28	+34	0	0.15
72259	14 46 35.23	−24 44 21.4	10.09	H	221.646 802 10	−24.739 266 68	6.09	−20.21	−18.99	1.27	0.92	1.48	1.46	1.22	−29	−13	−11	+ 1	−17	+ 1	−20	− 4	+ 4	−33	0	−0.27
72260	14 46 37.05	−60 01 48.6	8.67	H	221.654 381 31	−60.030 161 96	2.16	−23.90	−23.99	0.85	0.70	1.16	0.93	0.82	+30	−35	−27	+37	+ 4	−10	+ 3	+30	− 3	+40	0	−0.10
72261	14 46 37.11	+42 27 56.5	11.05	H	221.654 605 24	+42.465 704 48	17.89	125.62	−35.22	1.22	1.36	1.73	1.51	1.77	+16	+ 4	+ 9	+10	− 2	+ 4	− 3	+ 2	+10	+ 0	0	0.38
72262	14 46 38.12	−43 09 47.5	8.64	H	221.658 828 02	−43.163 195 06	2.73	0.79	−9.86	1.08	1.04	1.48	1.23	1.16	− 7	− 9	−35	−20	+ 9	−33	− 5	− 3	+ 9	−10	0	−2.06
72263	14 46 38.34	+43 53 55.8	8.76	H	221.659 734 42	+43.898 822 27	10.20	−111.23	−134.20	0.71	0.71	0.92	0.94	0.91	+18	− 8	+ 2	− 9	− 8	+ 9	− 9	− 8	+11	+22	1	0.35
72264	14 46 41.99	−61 27 43.0	7.52	2 T	221.674 945 32	−61.461 932 19	0.13	−4.77	−4.33	0.64	0.54	0.88	0.70	0.66	+31	−39	− 5	+17	+ 3	−11	− 2	+11	+12	+39	1	−0.29
72265	14 46 42.25	−02 56 08.9	9.30	H	221.676 030 69	−02.935 801 73	3.94	3.19	9.91	1.26	1.26	1.53	1.43	1.31	−17	−23	−34	+ 9	+22	+14	+34	−20	−10	−15	0	0.45
72266	14 46 42.68	−64 45 41.1	8.73	H	221.677 844 55	−64.761 408 30	2.06	−14.73	−7.46	0.65	0.74	1.00	0.76	0.95	+21	−20	−10	+19	+ 9	− 2	+13	+ 3	− 1	+41	0	−1.19
72267	14 46 43.83	−45 24 07.1	10.15	G	221.682 641 65	−45.401 958 81	16.21	−70.19	−444.84	1.20	1.23	1.87	1.74	2.00	−41	+ 2	−19	+33	− 8	−13	−10	+32	+ 6	−19	0	1.31
72268	14 46 44.18	+07 16 53.1	7.23	2 H	221.684 085 54	+07.281 404 04	2.58	−26.00	−2.58	0.80	0.68	1.16	0.85	0.79	−34	−29	−10	−17	−11	+38	−10	−19	+ 9	−38	0	3.19
72269	14 46 44.92	+04 56 59.3	8.41	H	221.687 173 24	+04.949 815 72	5.52	−60.07	20.30	1.22	0.79	1.38	1.50	1.08	−34	−29	−12	+ 5	−15	+ 8	−21	− 9	+24	−39	0	1.09
72270	14 46 45.49	−53 51 43.5	8.39	H	221.689 550 28	−53.862 084 37	4.50	−15.11	−7.84	0.86	0.67	1.11	0.89	0.89	+ 0	−41	− 3	+16	+14	+ 0	+18	+ 2	− 7	− 4	0	−1.19
72271	14 46 47.60	+30 46 47.0	9.27	H	221.698 348 56	+30.779 713 17	2.68	−41.29	−0.34	0.90	0.98	1.33	1.13	1.06	−13	−11	−22	+13	−15	+10	−11	+14	−17	−42	0	0.03
72272	14 46 48.05	−65 54 55.2	9.33	2 H	221.700 204 65	−65.915 343 94	2.59	−4.82	−11.00	0.64	0.93	1.35	0.70	1.14	+31	−16	−10	−16	+13	−10	+14	+18	−15	+37	0	−0.04
72273	14 46 48.41	−54 46 44.9	8.54	H	221.701 724 87	−54.779 129 40	2.80	−9.68	−6.37	0.79	0.80	1.06	0.99	0.99	−15	−23	+18	+20	+10	− 3	+ 7	+16	+14	− 2	0	0.24
72274	14 46 49.30	+12 22 24.6	9.69	H	221.705 412 31	+12.373 493 98	6.81	8.16	−27.63	1.37	1.17	1.51	1.53	1.38	−10	+12	−25	−37	−24	+ 4	−23	−15	− 2	−22	0	0.24
72275	14 46 49.40	−01 41 42.6	9.52	H	221.705 822 31	−01.695 163 85	13.68	18.28	−92.59	1.41	1.57	2.05	1.60	1.49	− 2	−20	−62	+ 5	+22	−12	+13	−26	+22	−24	0	−0.34
72276	14 46 49.64	−32 24 39.9	8.85	H	221.706 828 28	−32.411 087 04	3.16	2.26	7.55	1.30	0.75	1.56	1.44	1.22	−36	+10	−31	+23	− 6	+14	+15	−35	+40	− 2	0	1.49
72277	14 46 51.26	−54 49 10.9	8.62	H	221.713 591 02	−54.819 688 37	1.36	−3.31	−4.96	0.80	0.81	1.08	1.01	1.01	−14	−22	+17	+20	+ 9	− 4	+ 7	+16	+15	− 2	0	−0.77
72278	14 46 51.35	−27 14 53.3	8.13	G	221.713 970 90	−27.248 128 32	5.91	−213.89	−79.77	0.98	0.64	1.08	1.29	0.75	−17	−11	− 9	+ 4	−11	+ 0	− 1	−27	+18	+18	5	1.24
72279 H	14 46 52.12	−33 01 55.8	9.02	H	221.717 158 94	−33.032 161 89 *	4.70	−31.43	2.49	2.93	1.87	2.10	2.12	1.74	−32	+11	−18	+16	−11	+20	+ 1	−17	+27	+22	2	0.21
72280	14 46 52.26	−22 28 23.0	8.63	1 H	221.717 769 80	−22.473 051 24	0.77	−4.97	1.14	0.95	0.65	1.13	1.13	0.85	−26	−26	−18	+16	−11	+21	−10	−11	+ 9	−30	0	−1.43
72281	14 46 52.35	−53 20 57.9	10.86	G	221.718 117 85	−53.349 410 86	3.26	−19.86	−19.29	1.52	1.34	2.12	1.56	1.75	− 3	−39	−10	− 5	+ 4	− 6	+ 9	+ 3	−13	− 8	0	0.82
72282	14 46 52.74	+15 22 43.2	10.10	H	221.719 766 87	+15.378 658 23	1.80	19.70	−72.16	1.72	1.16	1.83	1.82	1.32	+ 9	−35	−31	−42	−32	+27	−26	−10	+ 9	−11	0	0.30
72283	14 46 56.65	−09 58 46.0	9.80	G	221.736 047 98	−09.979 457 02	13.01	−129.62	−109.40	1.59	1.30	2.45	2.24	2.02	+ 8	−33	−55	+19	− 2	−15	−29	−15	+57	−11	0	0.16
72284 H	14 46 56.86	−29 24 11.7	10.56	G	221.736 918 32	−29.403 259 50 A	4.29	23.46	−3.62	5.00	3.70	4.53	6.00	3.82	+10	− 7	− 3	+16	− 4	+36	+ 0	− 6	− 1	+ 1	1	0.71
72285	14 46 57.92	+11 28 38.1	8.40	H	221.741 315 37	+11.477 256 31	3.98	−8.61	8.01	1.04	0.87	1.19	1.22	1.06	−21	+ 0	+ 0	− 6	−34	+ 3	−35	− 4	−12	−29	0	−0.27
72286	14 46 59.64	+19 47 58.3	7.39	H	221.748 498 84	+19.799 541 29	4.99	31.86	−16.34	0.60	0.60	0.88	0.65	0.67	−23	−10	−21	+33	+13	−15	+10	+ 6	−23	−43	2	0.46
72287	14 47 00.15	+17 05 09.9	12.00	H	221.750 620 81	+17.086 080 43	30.11	−540.59	−87.85	2.59	2.48	3.90	3.20	2.85	−32	−12	−24	+41	+12	−30	+ 2	− 8	+ 0	−40	2	−0.46
72288	14 47 00.29	−25 27 52.8	8.98	G	221.751 194 01	−25.464 668 97	7.16	37.39	−29.42	1.17	0.77	1.33	1.69	0.98	−18	+ 0	−18	− 7	−22	+16	−15	−18	+ 6	+ 8	2	1.21
72289	14 47 01.17	+18 30 21.9	10.65	H	221.754 862 07	+18.506 087 68	11.66	−189.87	80.94	2.32	2.50	3.30	2.70	2.92	−31	− 1	−24	+ 5	+ 2	+ 4	+ 1	− 8	−15	−39	0	
72290	14 47 01.31	−52 22 59.9	5.22	G	221.755 460 88	−52.383 317 77	12.58	−17.93	−82.32	0.47	0.47	0.66	0.47	0.60	−19	−34	− 6	+ 0	+ 3	−20	+ 4	+ 6	− 3	−32	0	−1.04
72291	14 47 01.99	+01 23 35.7	8.60	H	221.758 299 43	+01.393 239 24	2.47	26.43	−38.22	1.39	1.10	1.72	2.11	1.33	−10	−18	+ 9	+ 7	−12	−46	− 9	+ 6	+ 4	+12	0	0.35
72292	14 47 02.35	−16 28 24.0	9.30	H	221.759 785 36	−16.473 329 83	3.11	−18.42	−1.34	1.16	0.77	1.42	1.48	0.88	−32	+ 1	−33	+37	−22	+43	− 6	− 3	+ 0	−22	0	−0.01
72293	14 47 02.47	+59 42 37.1	7.32	H	221.760 306 23	+59.710 303 79	10.22	44.11	−12.71	0.47	0.56	0.57	0.51	0.63	+17	−18	−23	+ 2	− 5	− 6	− 7	−15	+ 2	+11	1	−0.73
72294 H	14 47 02.93	−28 46 01.4	9.30	2 H	221.762 200 43	−28.767 047 48 A	6.11	−44.43	5.64	3.23	1.99	2.79	3.94	2.47	+ 0	− 6	−15	−38	−25	+11	−31	− 7	−23	+44	3	1.00
72295	14 47 03.81	−06 02 04.8	9.07	H	221.765 870 86	−06.034 663 54	4.78	6.81	−21.20	1.22	0.92	1.31	1.48	1.16	−15	−33	−18	+26	−16	+ 7	−14	+27	+ 2	−18	0	−0.16
72296	14 47 05.06	−38 17 25.6	5.90	H	221.771 077 48	−38.290 437 87	5.88	52.75	−82.59	0.66	0.55	0.76	0.76	0.64	−11	−25	− 2	+16	− 8	− 3	−10	+20	+ 4	+ 7	0	1.63
72297	14 47 05.34	+08 12 31.2	8.35	H	221.772 254 15	+08.208 657 16	0.39	1.10	7.68	0.98	1.03	1.29	1.01	1.19	−44	−18	−22	−22	+ 6	+19	+ 1	−40	+15	−55	0	1.04
72298 H	14 47 05.37	+00 58 15.4	6.62	G	221.772 372 72	+00.970 957 83 A	5.52	−27.98	−29.02	1.69	1.06	1.54	2.25	1.38	+ 9	−35	−38	+19	+34	−34	− 7	−11	+62	−19	3	−0.15
72299	14 47 05.60	−11 22 09.0	8.00	H	221.773 340 09	−11.369 164 40	7.20	−28.40	−27.52	1.00	0.88	1.26	1.27	1.05	−26	+ 0	−47	+32	− 5	+13	+ 3	−19	+26	−23	0	−1.12
*72300	14 47 05.

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
72201	10.422	0.020	9.964	0.020		0.432	0.026	T	0.50	0.03	L	10.0500	0.0019	0.037	230		9.98	10.13					1							
72202	8.392	0.012	8.120	0.013		0.259	0.017	T	0.29	0.02	L	8.1841	0.0011	0.009	80		8.17	8.20					1							
72203	9.724	0.017	8.854	0.013		0.756	0.002	G	0.80	0.00	H	8.9429	0.0018	0.019	173		8.91	8.99		D			1							
72204	10.132	0.023	9.678	0.024		0.440	0.015	G	0.51	0.02	H	9.6927	0.0020	0.020	139		9.65	9.72		C			1							G
72205	9.859	0.023	8.886	0.017		0.854	0.021	T	0.87	0.01	L	8.9440	0.0023	0.018	102		8.91	8.98		C			1							
72206	8.554	0.011	7.981	0.010		0.549	0.015	G	0.62	0.01	H	8.0479	0.0012	0.012	176		8.03	8.08					1							S
72207	8.392	0.009	8.178	0.010		0.204	0.013	T	0.22	0.01	L	8.2075	0.0016	0.016	149		8.18	8.23					1							
72208	7.587	0.019	6.023	0.017		1.335	0.021	T	3.22	0.07	O	5.5986	0.0171	0.122	66		5.33	5.71		U 2			1	S						S P
72209	10.861	0.070	9.387	0.033		1.241	0.061	T	1.20	0.06	L	9.3871	0.0102	0.058	48		9.31	9.46	1.43	P 1 A			1							P
72210	7.042	0.006	5.913	0.004		0.980	0.000	G	0.96	0.00	H	5.9600	0.0005	0.004	75		5.95	5.97		C			1							S
72211	10.248	0.034	8.348	0.014		1.612	0.030	T	2.16	0.08	O	8.2034	0.0050	0.023	58		8.17	8.25		U			1	S						
72212	10.678	0.084	10.020	0.072		0.656	0.015	G	0.72	0.01	H	10.0458	0.0045	0.027	34		9.99	10.07					1							
72213	9.561	0.022	9.086	0.022		0.447	0.028	T	0.52	0.03	L	9.1499	0.0018	0.016	74		9.12	9.17		C			1							S
72214	10.461	0.028	9.319	0.018		0.982	0.026	T	0.96	0.02	L	9.3846	0.0021	0.029	166		9.34	9.44		C			1							
72215	11.659	0.108	9.658	0.028		1.658	0.089	T	1.68	0.09	L	9.6213	0.0035	0.023	63		9.58	9.66		C			1							
72216	9.340	0.017	8.809	0.017		0.506	0.018	T	0.58	0.02	L	8.8935	0.0025	0.018	78		8.87	8.92		C	14462−3058	I 1	1							S
72217	7.163	0.006	6.494	0.005	*	0.603	0.002	G	0.61	0.07	F	* 6.5502	0.0006	0.005	75	*	6.54	6.56		D	14462−2111	I 1	2 C	A	BA	160	0.239	0.004	0.00	0.05	S
72218	8.439	0.017	7.236	0.011		1.029	0.016	T	1.00	0.01	L	7.3020	0.0012	0.007	43		7.29	7.32		C			1							S
72219	9.302	0.013	7.852	0.007		1.223	0.012	T	1.18	0.01	L	7.8755	0.0013	0.016	175		7.85	7.90					1							S
72220	3.735	0.002	3.730	0.002		−0.005	0.006	G	0.01	0.02	A	3.7371	0.0005	0.004	77		3.73	3.75		C			1							S
72221	8.253	0.037	7.542	0.035	A	0.624	0.002	G	0.69	0.00	H	* 7.3813	0.0009	0.007	67	*	7.36	7.39		D	14462+0938	I 1	2 C	A	AB	88	1.690	0.003	0.67	0.01	S
72222	10.839	0.042	9.164	0.018	*	1.400	0.036	T	1.38	0.04	L	* 8.9329	0.0122	0.072	110	*	8.84	9.05		U 2 C	14463+3146	H 1	2 C S	A	AB	113	0.156	0.014	0.56	0.49	P
72223	8.050	0.010	7.446	0.008		0.562	0.009	T	0.64	0.01	L	7.5038	0.0013	0.014	99		7.48	7.52					1							S
72224	9.993	0.017	8.182	0.007		1.507	0.015	T	1.54	0.02	L	8.1436	0.0012	0.018	274		8.11	8.17		R			1							
72225	9.545	0.027	9.055	0.026	A	0.473	0.028	T	0.54	0.03	L	9.1315	0.0166	0.057	59	A	8.98	9.18		D	14463−3904	I 2	1 C P	A						
72226	8.381	0.017	7.044	0.009		1.119	0.015	G	1.08	0.02	H	7.0829	0.0021	0.009	47		7.07	7.10					1							S
72227	9.116	0.012	8.628	0.011		0.446	0.015	G	0.52	0.02	H	8.6985	0.0017	0.020	127		8.67	8.73					1							S
72228	9.885	0.018	8.483	0.010		1.185	0.016	T	1.15	0.01	L	8.5181	0.0014	0.017	143		8.48	8.55		D			1	S						
72229	9.345	0.016	7.435	0.007		1.620	0.014	T	1.74	0.05	O	7.3579	0.0023	0.016	88		7.33	7.38		U			1							S
72230	10.756	0.048	8.955	0.019		1.499	0.041	T	1.53	0.06	L	8.9553	0.0023	0.014	74		8.93	8.98					1							
72231	11.228	0.080	9.978	0.044	B	1.066	0.071	T	1.03	0.06	L	10.1194	0.0288			B				D	14463−3904	I 2	1 C I	A						
72232	9.594	0.015	9.346	0.018		0.236	0.022	T	0.26	0.03	L	9.3572	0.0027	0.031	170		9.31	9.41					1	S						
72233	10.309	0.052	8.203	0.019		1.742	0.044	T	1.77	0.04	L	8.1008	0.0019	0.016	137		8.08	8.14		U			1							
72234	10.876	0.050	10.671	0.063		0.494	0.072	G	0.57	0.08	R	10.6752	0.0042	0.035	85		10.59	10.73					1							G
72235	9.245	0.016	8.508	0.014	A	0.710	0.096	G	0.71	0.04	L	* 8.4314	0.0014	0.013	95	*	8.41	8.46		D	14464−3346	M 1	2 C	D	AB	27	9.098	0.007	2.19	0.04	D
72236	9.542	0.018	8.724	0.015		0.710	0.015	G	0.76	0.01	H	8.8017	0.0015	0.017	115		8.77	8.84					1							S
72237	11.031	0.067	9.409	0.028		1.261	0.010	G	1.43	0.02	I	9.3476	0.0025	0.018	71		9.32	9.38					1							
72238	8.074	0.009	6.733	0.005		1.137	0.008	T	1.10	0.01	L	6.7754	0.0007	0.009	113		6.76	6.79					1							S
72239	10.056	0.038	8.766	0.023		1.097	0.035	T	1.06	0.04	L	8.7941	0.0016	0.012	50		8.77	8.82		D			1							
72240	9.958	0.026	9.498	0.025		0.447	0.028	T	0.52	0.03	L	9.5674	0.0026	0.020	101		9.53	9.59					1							
72241	7.839	0.008	8.028	0.011		−0.173	0.002	G	−0.18	0.00	H	8.0313	0.0029	0.024	63		8.00	8.07		U 2			1							S
72242	9.607	0.016	7.556	0.006		1.698	0.014	T	1.72	0.01	L	7.4718	0.0015	0.013	173		7.45	7.50					1							S
72243	11.025	0.071	9.104	0.025		1.595	0.060	T	1.61	0.06	L	9.0711	0.0027	0.015	48		9.05	9.10		C			1							
72244	9.718	0.016	8.235	0.009		1.249	0.014	T	1.21	0.01	L	8.2569	0.0013	0.014	124		8.23	8.29					1							S
72245	9.419	0.018	8.226	0.012		1.022	0.017	T	1.00	0.01	L	8.2693	0.0017	0.012	96		8.24	8.29					1							
72246	11.297	0.065	10.382	0.047		0.797	0.062	T	0.83	0.04	L	10.4784	0.0043	0.038	120		10.41	10.56					1							G
72247	7.844	0.008	7.384	0.007		0.434	0.010	T	0.50	0.01	L	7.4341	0.0013	0.008	89		7.42	7.45		C			1							S
72248	10.219	0.037	9.386	0.028		0.734	0.036	T	0.78	0.03	L	9.4908	0.0030	0.019	68		9.46	9.53		C			1							
72249	8.673	0.007	8.093	0.007		0.542	0.009	T	0.62	0.01	L	8.1503	0.0010	0.015	195		8.13	8.17					1							S
72250	5.829	0.003	5.743	0.003		0.066	0.004	G	0.06	0.02	A	5.7662	0.0006	0.006	123		5.76	5.77		C			1							S
72251	9.073	0.015	7.795	0.010		1.088	0.014	T	1.05	0.01	L	7.8424	0.0020	0.013	92		7.82	7.86					1							S
72252	11.370	0.089	10.684	0.078	*	0.550	0.020	G	0.62	0.02	H	* 10.7998	0.0032	0.036	70	*	10.73	10.85			14465−2753	H 1	2 C S	B	AB	6	0.197	0.028	0.86	0.52	G
72253	8.398	0.011	7.828	0.008		0.533	0.012	T	0.61	0.01	L	7.8914	0.0011	0.010	125		7.87	7.92		C			1							S
72254	9.146	0.014	8.575	0.013	*	0.537	0.014	T	0.61	0.01	L	* 8.6156	0.0014	0.015	133	*	8.59	8.64		D	14465−5611	H 1	2 C S	A	AB	50	0.158	0.009	0.15	0.56	
72255	10.454	0.029	9.360	0.019		0.945	0.027	T	0.94	0.02	L	9.4017	0.0032	0.033	119		9.36	9.46		R			1							
72256						1.228	0.197	G	1.39	0.21	I	10.9406	0.0038	0.046	132		10.87	11.02					1							G
72257	9.389	0.019	8.565	0.015		0.600	0.020	G	0.61	0.02	A	8.7002	0.0167	0.192	90		8.36	8.87	2.06	P 1 A			1	S						
72258	9.625	0.017	8.416	0.011		1.034	0.016	T	1.01	0.01	L	8.4528	0.0015	0.021	166		8.42	8.49					1							
72259	10.593	0.050	10.157	0.053		0.550	0.020	G	0.62	0.02	H	10.2111	0.0020	0.020	75		10.18	10.25					1							G
72260	8.972	0.012	8.718	0.014		0.238	0.019	T	0.27	0.02	L	8.7374	0.0014	0.018	139		8.70	8.77					1							
72261											T	11.1909	0.0037	0.039	126		11.13	11.25		C			1	S						G
72262	10.363	0.042	8.770	0.020		1.335	0.037	T	1.30	0.04	L	8.7972	0.0025	0.013	51		8.77	8.82		C			1							
72263	9.674	0.019	8.820	0.014		0.765	0.018	T	0.80	0.01	L	8.9024	0.0020	0.018	136		8.87	8.93		C			1	S						S
72264	8.293	0.019	7.588	0.015		0.649	0.020	T	0.71	0.02	L	7.6384	0.0216	0.138	134		7.50	7.83	2.40	P 1 A			1							S
72265	10.547	0.052	9.436	0.034		0.958	0.048	T	0.95	0.04	L	9.4578	0.0028	0.017	42		9.43	9.49		C			1							
72266	10.204	0.025	8.851	0.014		1.147	0.022	T	1.11	0.02	L	8.9011	0.0020	0.021	164		8.87	8.94		C			1							
72267	11.166	0.048	10.225	0.033		0.811	0.004	G	0.85	0.00	H	10.2990	0.0034	0.039	143		10.22	10.35					1							G
72268	9.322	0.015	7.455	0.007		1.584	0.014	T	2.43	0.04	O	7.2555	0.0059	0.043	93		7.22	7.33	9.95	P 1 A			1 G							S P
72269	8.940	0.014	8.464	0.014		0.448	0.018	T	0.52	0.02	L	8.5063	0.0021	0.016	72		8.48	8.53		C			1							S
72270	8.489	0.011	8.382	0.013		0.152	0.015	G	0.06	0.01	L	8.4097	0.0018	0.013	90		8.39	8.43		C			1							
72271	10.039	0.021	9.321	0.018		0.660	0.022	T	0.72	0.02	L	9.4041	0.0022	0.024	121		9.37	9.45		C			1							S
72272	10.581	0.027	9.465	0.017		0.954	0.025	T	0.94	0.02	L	9.4736	0.0017	0.027	249		9.42	9.52		U			1	S						
72273	8.587	0.011	8.549	0.014		0.087	0.015	G	0.10	0.02	H	8.5720	0.0025	0.016	91		8.54	8.60		C			1							
72274	10.495	0.040	9.775	0.033		0.661	0.042	T	0.72	0.04	L	9.8224	0.0033	0.020	80		9.79	9.86		C			1							
72275	10.586	0.061	9.617	0.042		0.838	0.058	T	0.86	0.04	L	9.6598	0.0029	0.017	45		9.62	9.70		C			1							
72276	9.949	0.026	8.934	0.018		0.885	0.024	T	0.89	0.02	L	9.0075	0.0016	0.018	96		8.98	9.03		C			1							
72277	8.649	0.012	8.642	0.015		0.084	0.015	G	0.06	0.01	L	8.6368	0.0020	0.018	91		8.61	8.66		C			1							
72278	8.190	0.012	8.155	0.014		0.032	0.016	T	0.05	0.01	L	8.1535	0.0017	0.012	68		8.14	8.17		C			1							S
72279	9.487	0.019	9.081	0.019	*	0.397	0.022	T	0.46	0.02	L	* 9.1105	0.0016	0.017	97	*	9.07	9.14		D	14469−3302	H 1	2 C	A	AB	230	0.258	0.007	0.08	0.10	
72280	10.877	0.049	8.804	0.016		1.716	0.041	T	1.74	0.04	L	8.7295	0.0029	0.019	88		8.69	8.75		U			1							
72281	12.173	0.213	11.234	0.148		1.840	0.015	G	3.28	0.05	I	10.9188	0.0046	0.038	100		10.86	10.99					1							G
72282	10.724	0.052	10.184	0.051		0.506	0.065	T	0.58	0.07	L	10.2151	0.0032	0.030	66		10.14	10.25					1							
72283	10.624	0.059	9.794	0.046		0.675	0.003	G	0.73	0.00	H	9.9260	0.0017	0.015	41		9.90	9.96		D			1							
72284	11.164	0.070	10.444	0.058	*	0.588	0.020	G	0.66	0.02	H	* 10.6967	0.0045	0.034	87	*	10.63	10.76		D	14469−2924	H 1	2 C	A	AB	25	0.389	0.006	0.40	0.06	G
72285	9.614	0.024	8.512	0.016		0.951	0.022	T	0.94	0.02	L	8.5638	0.0016	0.014	71		8.54	8.58		C			1							S
72286	8.903	0.010	7.504	0.006		1.183	0.009	T	1.14	0.01	L	7.5504	0.0011	0.011	127		7.53	7.57					1 G							S
72287						2.400	0.495	G	2.85	0.55	K	11.9523	0.0072	0.064	104		11.80	12.04					1							D
72288			9.234	0.024		0.498	0.020	G	0.57	0.02	H	9.0948	0.0019	0.018	64		9.06	9.13		C			1							
72289	11.672	0.101	10.612	0.060		0.909	0.092	T	0.95	0.10	L	10.7934	0.0046	0.037	101		10.73	10.87					1 X							G
72290	6.480	0.004	5.334	0.003		0.984	0.004	G	0.96	0.00	H	5.3855	0.0005	0.005	112		5.38	5.40		C	14470−5223	I 1	1							S
72291	9.965	0.050	8.751	0.031		1.038	0.046	T	1.01	0.04	L	8.7639	0.0037	0.016	32		8.71	8.79					1							
72292	9.785	0.025	9.342	0.026		0.437	0.020	G	0.51	0.02	H	9.3960	0.0024	0.019	81		9.36	9.44		C			1							
72293	7.635	0.006	7.356	0.006		0.265	0.008	T	0.30	0.01	L	7.3952	0.0008	0.009	119		7.38	7.41		C			1							S
72294	10.431	0.048	9.809	0.046	A	0.712	0.400	G	0.87	0.07	B	* 9.4533	0.0059	0.055	81	*	9.41	9.71		R 2	14471−2846	I 1	2 C	A	AB	37	4.931	0.009	0.89	0.05	
72295	9.661	0.027	9.131	0.026		0.432	0.020	G	0.50	0.02	H	9.1683	0.0025	0.017	60		9.15	9.20		C			1							
72296	7.674	0.008	6.054	0.005		1.336	0.007	G	1.30	0.01	H	6.0513	0.0007	0.007	60		6.04	6.07		C			1							S
72297	10.302	0.030	8.506	0.013		1.495	0.026	T	1.52	0.04	L	8.4800	0.0018	0.014	87		8.45	8.50					1							
72298	6.601	0.010	6.557	0.012	*	0.012	0.002	G	0.03	0.00	H	* 6.6287	0.0015	0.009	33	*	6.60	6.64		D	14471+0058	I 1	2 C	A	AB	0	3.504	0.010	2.50	0.05	S
72299	8.321	0.013	8.021	0.014		0.285	0.018	T	0.32	0.02	L	8.0766	0.0026	0.015	45		8.06	8.10					1	S						S
72300						1.500	0.510	G	2.50	0.72	Q	10.4075	0.1052	1.138	97		9.41	12.17	195.20	P 1 B			1 X	S						D Y

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19 20 21 22 23 24 25 26 27 28	29	30
*72301	14 47 05.75	−11 33 04.1	8.85	H	221.773 977 25	−11.551 135 33	1.84	10.72	1.51	1.18	1.02	1.55	1.42	1.17	−22 + 1 −54 +36 − 1 +18 + 9 −23 +25 −25	0	1.47
72302	14 47 05.97	−42 53 44.9	10.26	G	221.774 881 73	−42.895 793 92	−3.99	−6.08	−5.79	1.51	1.35	1.96	1.63	1.52	+ 3 −19 −44 −13 + 9 −21 − 6 −18 +26 − 4	0	1.61
72303	14 47 07.14	+18 20 26.0	8.34	H	221.779 753 33	+18.340 565 14	4.26	17.11	−7.46	0.70	0.68	1.00	0.81	0.78	−27 + 1 −30 +25 + 5 − 4 + 0 − 4 −10 −38	0	−0.66
72304	14 47 08.74	+05 08 22.0	10.28	H	221.786 401 31	+05.139 442 93	8.48	50.86	−29.62	1.97	1.31	2.19	2.43	1.73	−36 −33 − 1 +11 −32 +14 −33 − 2 +12 −30	0	1.50
72305	14 47 09.34	−64 00 37.8	9.16	H	221.788 920 67	−64.010 502 15	3.05	−3.91	−3.23	0.72	0.83	1.19	0.95	1.09	+20 − 6 − 3 +30 + 3 − 2 + 6 +19 − 6 +36	2	1.24
72306	14 47 09.92	+11 25 51.2	8.86	H	221.791 332 84	+11.430 877 41	7.16	30.30	−55.63	1.19	0.99	1.36	1.41	1.16	− 1 −14 −27 −23 −51 +23 −45 + 6 − 5 −19	0	0.64
72307	14 47 10.24	+76 02 32.1	7.38	H	221.792 660 29	+76.042 239 00	8.89	−28.31	8.56	0.47	0.54	0.55	0.50	0.60	+ 4 −12 −26 − 4 −12 + 0 − 8 +27 −11 − 9	0	1.55
72308	14 47 12.59	−52 12 18.9	6.07	H	221.802 468 60	−52.205 249 25	1.35	−6.64	−2.93	0.50	0.47	0.68	0.51	0.60	−19 −37 − 2 + 3 + 8 −14 +11 + 0 − 6 −26	0	−0.26
72309	14 47 12.90	−04 14 03.1	8.41	G	221.803 767 81	−04.234 194 15	12.27	−0.75	−16.55	1.05	0.97	1.13	1.17	1.07	−14 − 7 −33 +39 − 5 + 9 + 0 +34 −17 −18	5	0.44
72310	14 47 13.66	−21 19 29.6	6.05	1 H	221.806 908 78	−21.324 877 94	1.75	−13.90	2.82	0.67	0.46	0.77	0.83	0.60	−27 −18 −16 +19 −16 +20 −14 + 0 + 5 −25	0	1.08
72311	14 47 15.50	+08 30 38.9	9.34	H	221.814 577 52	+08.510 815 06	3.24	−39.11	11.19	1.20	1.30	1.40	1.28	1.48	−65 +13 −31 −27 +22 + 0 +22 −43 +20 −70	2	0.85
72312	14 47 16.27	+02 42 12.3	7.76	H	221.817 788 00	+02.703 416 82	50.84	−289.08	−79.28	1.06	0.68	1.04	1.42	0.80	−31 −23 +12 +17 −49 + 8 −43 + 7 + 2 − 3	0	1.61
72313 H	14 47 17.48	−50 21 07.4	9.84	H	221.822 818 73	−50.352 051 00 A	2.75	−5.77	−0.26	1.84	1.54	2.45	2.00	1.80	+ 6 −33 − 4 +21 +14 −24 +16 −15 + 0 +15	1	0.10
72314	14 47 17.57	+73 31 41.5	8.32	2 H	221.823 222 00	+73.528 204 84	2.35	3.22	8.27	0.64	0.74	0.77	0.67	0.83	+15 −26 −37 + 6 −18 +10 −14 + 9 − 7 + 0	0	1.50
72315	14 47 18.34	+12 58 47.4	9.71	H	221.826 434 70	+12.979 840 21	21.04	−189.53	−118.49	1.45	1.12	1.51	1.58	1.39	+17 −15 −25 −49 −29 + 6 −31 −33 +24 + 0	0	1.19
72316	14 47 18.90	+23 46 43.1	8.55	H	221.828 759 70	+23.778 642 91	8.22	−44.27	−12.20	0.92	0.69	1.19	1.02	0.80	− 7 −39 −18 +29 + 5 −16 + 6 +22 + 1 −24	0	−0.77
72317	14 47 19.77	+09 17 29.5	9.88	H	221.832 365 09	+09.291 521 25	6.39	−13.52	62.04	1.32	1.19	1.99	1.44	1.30	−30 −12 −37 −29 −15 +30 − 8 −21 +23 −37	0	−1.47
72318	14 47 21.19	+35 34 04.2	7.65	H	221.838 280 37	+35.567 829 03	6.27	−27.96	−11.17	0.47	0.59	0.84	0.55	0.67	+15 − 4 −12 + 1 − 3 − 9 − 4 − 2 − 8 + 6	0	−0.52
72319	14 47 21.37	−18 29 04.1	9.32	H	221.839 048 07	−18.484 468 86	1.35	−35.71	−29.62	1.16	0.71	1.28	1.46	0.94	−30 −27 − 5 +24 −26 + 1 −29 + 4 +25 −23	0	−2.22
72320	14 47 21.38	+68 13 48.9	9.64	1 H	221.839 095 67	+68.230 260 08	2.89	−6.25	0.97	0.75	0.80	0.85	0.78	0.91	+ 0 − 7 −29 − 7 − 8 + 4 − 6 +18 − 2 −10	2	1.25
72321	14 47 22.03	+04 21 06.7	8.28	H	221.841 773 09	+04.351 849 51	7.11	0.82	10.86	1.09	0.68	1.13	1.33	0.88	−32 − 9 − 8 +29 −24 +20 −24 − 3 + 9 −28	2	0.23
72322	14 47 22.32	+10 18 22.7	8.11	H	221.843 009 18	+10.306 295 32	15.84	−91.18	−172.34	0.84	0.81	1.06	0.85	0.92	−35 −28 −12 − 6 −14 +17 −16 − 7 + 8 −48	0	−0.38
72323	14 47 22.56	−25 37 27.2	5.61	1 H	221.843 999 93	−25.624 233 21	5.32	−7.84	−13.85	0.68	0.45	0.75	0.86	0.55	−20 −19 −11 +11 −11 + 6 − 6 −12 + 9 + 2	0	0.80
72324	14 47 22.64	−65 51 10.2	8.40	H	221.844 326 37	−65.852 824 38	3.69	−10.25	−15.43	0.48	0.66	0.97	0.51	0.74	+34 −19 −13 + 6 +22 −14 +22 +22 −16 +42	0	−2.83
72325	14 47 23.54	+47 54 33.6	7.88	G	221.848 090 15	+47.909 326 44	11.82	−18.41	8.38	0.61	0.53	0.72	0.73	0.58	+10 −10 + 4 + 3 −11 − 9 −10 + 1 + 8 −11	0	0.53
72326	14 47 23.81	+28 12 45.4	8.93	H	221.849 216 30	+28.212 613 08	8.57	152.66	−9.85	0.75	0.89	1.23	0.73	1.04	+ 0 −16 −32 −33 −13 +11 − 1 + 1 − 4 −38	0	0.23
72327	14 47 24.19	−47 02 46.6	10.20	H	221.850 792 47	−47.046 282 28	2.18	44.29	−24.88	1.45	1.51	2.07	1.77	2.29	−58 + 7 −27 −28 +36 −31 +34 −39 +23 −56	0	0.62
72328	14 47 24.32	+17 45 25.9	8.41	G	221.851 344 32	+17.757 182 32	12.48	−101.30	30.45	0.64	0.73	1.03	0.74	0.85	−43 − 1 −23 +25 − 9 + 3 − 9 +14 −17 −52	0	0.96
72329	14 47 24.82	−30 21 08.5	8.13	H	221.853 404 18	−30.352 368 54	4.76	−38.20	−87.74	1.00	0.65	1.16	1.35	1.10	−29 − 4 − 3 + 8 − 8 + 4 − 6 −16 +14 −10	2	−0.39
72330	14 47 25.65	+02 02 08.9	6.80	H	221.856 854 83	+02.035 805 45	9.07	−23.40	−37.03	1.00	0.65	0.93	1.49	0.77	−21 − 6 + 7 +28 −41 − 3 −29 + 9 − 5 +15	0	1.53
72331	14 47 28.48	+52 49 28.3	8.40	H	221.868 651 07	+52.824 520 21	1.38	−32.23	−22.66	0.55	0.58	0.69	0.57	0.58	+10 −10 − 2 − 8 −13 + 1 −12 − 5 − 1 −10	0	0.92
72332	14 47 28.59	−66 10 44.8	7.36	H	221.869 129 03	−66.179 102 48	3.92	− 7.13	−11.45	0.36	0.49	0.71	0.39	0.59	+31 −19 −14 − 4 +22 −10 +22 +25 −12 +38	0	−0.54
72333	14 47 28.83	−07 07 15.0	10.61	G	221.870 132 72	−07.120 819 82	13.44	−295.75	−226.04	2.30	1.50	2.39	2.53	1.90	−14 −37 −14 +39 −12 + 7 −13 +20 + 5 −22	0	−0.42
72334	14 47 29.45	−34 47 25.8	9.50	H	221.872 726 72	−34.790 503 47	3.07	−19.94	−3.51	1.43	1.09	1.84	1.60	1.89	−29 − 2 −24 + 0 + 2 −35 −12 − 9 +39 −57	0	1.05
72335	14 47 31.35	+64 33 01.2	8.79	H	221.880 636 20	+64.550 340 12	5.58	−17.91	4.21	0.67	0.64	0.72	0.71	0.73	− 1 − 6 −15 −28 + 4 −10 + 7 + 0 − 5 −15	0	1.13
72336	14 47 31.88	+19 03 00.1	7.46	H	221.882 851 10	+19.050 029 56	20.56	6.52	1.73	0.62	0.57	0.81	0.71	0.69	−23 − 3 −12 +23 − 2 − 6 − 5 + 7 −10 −36	0	−0.16
72337	14 47 31.94	+20 40 47.0	8.88	H	221.883 084 98	+20.679 717 77	8.45	−43.22	−42.06	0.82	0.79	1.11	0.85	0.87	−28 + 4 − 3 +53 − 8 − 3 −15 +26 −11 −48	0	−0.45
72338	14 47 32.11	−43 33 24.4	6.30	H	221.883 774 35	−43.556 775 16	5.35	−12.74	−12.62	0.82	0.68	1.00	1.35	0.92	− 2 + 1 −19 −24 + 0 −33 − 9 −18 +15 +22	0	−0.80
72339	14 47 32.80	−00 16 52.1	8.04	H	221.886 677 04	−00.281 133 82	33.60	−129.60	−140.79	1.19	1.06	1.51	1.32	1.40	+ 3 −25 −42 +48 +31 −23 +10 −20 +51 −20	0	0.68
72340	14 47 32.98	+76 49 15.7	9.18	H	221.887 401 63	+76.821 013 92	2.22	−27.31	−39.49	0.70	0.75	0.81	0.65	0.87	+ 4 −14 −18 −27 + 3 + 8 + 5 +20 −17 + 7	2	0.62
72341	14 47 33.49	−75 58 56.2	9.14	H	221.889 541 33	−75.982 273 70 A	0.99	− 6.12	− 9.43	1.92	2.26	2.15	1.90	2.15	+14 − 8 +35 − 7 + 5 − 4 + 4 +40 +15 +21	16	1.59
72342	14 47 35.28	+16 50 43.9	10.61	2 H	221.896 997 99	+16.845 524 68	1.38	−25.63	−38.34	1.33	1.26	1.86	1.68	1.44	−28 − 7 −20 +35 + 0 −12 + 0 − 3 − 6 −24	0	0.73
*72343	14 47 36.42	+65 29 12.0	8.50	G	221.901 758 55	+65.486 672 72	5.16	−29.14	35.68	0.58	0.65	0.69	0.62	0.71	+ 4 −17 −16 −13 + 2 − 4 + 4 − 6 − 8 −15	0	−0.90
*72344	14 47 36.39	−75 59 01.8	10.30	H	221.901 610 85	−75.983 842 22 B	6.35	4.27	6.27	7.72	10.10	7.40	7.03	7.76	+14 − 4 +36 − 3 + 7 − 4 + 7 +43 +13 +19	16	1.59
72345	14 47 37.05	−30 25 28.1	9.77	H	221.904 381 81	−30.424 465 64	4.12	− 7.01	−15.63	1.38	0.97	1.59	1.85	1.57	−21 −11 − 5 + 6 −11 − 5 −14 − 8 +10 −17	4	−0.52
72346	14 47 38.46	−03 58 25.4	9.37	H	221.910 264 19	−03.973 731 60	2.96	1.36	5.61	1.49	1.28	1.85	1.45	1.34	+ 3 −42 −46 + 7 +14 +13 +34 − 2 −29 −19	0	−0.55
72347	14 47 38.89	−12 56 04.9	8.48	H	221.912 043 93	−12.934 687 22	6.28	3.59	−11.71	1.06	0.90	1.22	1.42	1.00	−32 − 3 −36 +28 −18 + 2 −16 +21 −11 −27	3	0.28
72348	14 47 39.25	+24 05 51.0	7.48	H	221.913 551 83	+24.097 489 75	2.87	−35.41	26.63	0.67	0.59	1.04	1.06	0.86	+ 2 −24 −29 +20 + 5 −25 + 1 +23 + 3 −52	0	−1.51
72349	14 47 40.36	+61 33 45.8	8.07	H	221.918 162 54	+61.562 708 61	3.46	16.68	− 7.12	0.67	0.64	0.72	0.71	0.73	+14 −21 − 6 −30 −15 + 3 −14 − 6 + 5 + 8	0	0.27
72350	14 47 40.61	−34 44 00.6	7.84	G	221.919 225 53	−34.733 490 82	7.37	52.76	−21.47	0.92	0.72	1.26	1.05	1.32	−33 −13 −24 − 1 + 5 −36 −14 −13 +48 −60	0	0.07
72351	14 47 40.62	+65 15 06.7	7.73	H	221.919 263 03	+65.251 858 42	2.62	−15.72	16.60	0.53	0.55	0.61	0.55	0.60	+ 1 −19 −20 −16 + 7 −14 + 7 − 6 − 6 −16	1	0.29
72352	14 47 41.32	−41 15 34.2	8.44	G	221.922 165 16	−41.259 494 45	3.52	−10.08	−11.41	1.09	0.88	1.24	1.29	1.13	− 6 −29 −16 +29 − 3 − 4 −10 +22 +23 −19	0	1.61
72353	14 47 43.42	−27 41 56.3	7.55	G	221.930 915 88	−27.698 982 12	19.67	−48.27	−33.42	0.95	0.59	0.99	1.47	0.78	− 7 −13 − 6 −26 −20 − 4 −19 −30 +11 +36	0	0.04
72354	14 47 44.10	−52 35 52.5	7.97	H	221.933 764 63	−52.597 917 85	4.04	−23.54	− 6.54	0.71	0.62	0.98	0.71	0.81	−16 −39 − 9 + 3 +11 −21 + 8 − 2 + 4 −25	0	−1.32
72355	14 47 44.27	−73 11 45.0	9.57	H	221.934 451 71	−73.195 835 56	−3.11	−20.34	−20.63	0.79	0.90	1.11	0.88	1.00	+23 −19 − 4 +18 +11 −14 +10 +26 − 6 +30	3	0.29
72356	14 47 44.50	−07 17 34.3	9.39	H	221.935 415 44	−07.292 868 31	4.27	−17.05	1.09	1.52	1.09	1.72	1.74	1.45	−18 −47 −18 +19 −16 − 3 −21 +11 +13 −30	0	1.40
72357	14 47 44.78	−26 05 14.9	5.23	H	221.936 588 30	−26.087 479 90	9.84	36.88	− 8.40	0.69	0.47	0.76	0.86	0.56	−15 −20 − 8 + 7 − 8 − 1 − 6 −12 +12 + 6	0	2.19
72358	14 47 44.85	+71 36 04.5	7.86	G	221.936 887 11	+71.601 256 52	14.09	44.71	− 8.00	0.61	0.69	0.70	0.85	0.78	+ 5 −12 −45 −44 − 4 + 8 − 3 −15 +14 − 4	0	−0.49
72359	14 47 45.51	−42 40 02.6	8.73	H	221.939 636 60	−42.667 382 72	5.11	−26.30	−20.25	1.11	0.98	1.42	1.06	1.19	− 2 −26 −31 −16 +10 −26 − 5 −23 +27 −29	0	0.90
72360	14 47 46.56	+49 33 35.3	8.68	H	221.943 998 07	+49.559 811 68	9.94	−60.88	−49.04	0.67	0.68	0.80	0.85	0.79	+16 − 4 −14 − 3 −21 +10 −19 − 3 − 4 −14	3	−1.10
72361	14 47 46.69	+01 49 52.3	9.21	H	221.944 534 72	+01.831 187 76	6.79	−49.93	−27.83	1.51	1.10	1.59	2.13	1.35	+ 5 −20 + 3 + 0 −11 −27 − 9 + 7 −17 +33	0	0.65
72362	14 47 46.97	−39 55 35.0	6.92	H	221.945 687 71	−39.926 380 07	5.08	−32.91	−10.82	0.69	0.61	0.82	0.76	0.66	−10 −15 −11 − 8 − 3 −10 − 7 + 2 + 4 +11	0	0.46
72363	14 47 47.43	+26 11 55.3	10.40	H	221.947 623 88	+26.198 683 14	7.38	−19.56	39.39	1.28	1.11	1.91	1.65	1.59	+ 9 −26 −34 − 6 −14 +24 +16 +35 −48 +51	0	−1.21
72364	14 47 48.11	−66 19 54.9	7.22	1 H	221.950 437 64	−66.331 914 96	3.63	− 6.99	−10.55	0.35	0.48	0.71	0.40	0.59	+24 −10 − 8 −11 +17 − 8 +14 +21 −12 +35	0	−1.23
72365	14 47 48.21	+21 00 24.9	9.18	H	221.950 866 74	+21.006 914 51	13.15	−155.53	−123.31	0.77	0.83	1.07	0.88	0.91	−36 + 0 −16 +17 + 8 − 9 + 4 + 2 − 6 −49	0	1.15
72366	14 47 48.79	−61 35 18.7	8.36	G	221.953 308 98	−61.588 535 31	1.67	− 3.01	− 5.47	0.85	0.68	1.05	0.99	0.89	+36 −15 − 3 + 0 −10 −14 −13 + 5 − 4 +50	1	0.27
72367	14 47 48.96	−60 25 26.1	8.91	2 H	221.954 004 89	−60.423 918 60	2.29	0.37	− 2.50	0.90	0.67	1.22	1.00	0.86	+25 −42 −21 +34 + 1 + 2 − 5 +26 +16 +42	0	0.52
72368 H	14 47 49.13	−72 04 23.3	8.07	H	221.954 698 42	−72.073 140 05 A	3.33	−15.10	−17.00	1.18	1.37	1.45	1.02	1.25	+28 −16 −16 + 6 − 4 −19 + 1 +23 − 9 +33	1	0.69
72369	14 47 49.96	+35 39 16.1	7.55	H	221.958 183 40	+35.654 479 80	12.25	−28.13	37.52	0.47	0.58	0.81	0.52	0.64	+23 − 8 −12 + 4 − 5 −11 − 6 + 0 −12 +12	0	0.12
72370	14 47 51.73	−79 02 41.0	3.83	1 G	221.965 525 67	−79.044 712 42	7.93	− 5.67	−15.75	0.40	0.44	0.53	0.41	0.50	+ 7 −27 − 1 + 2 + 6 − 5 + 2 + 5 +13 +11	1	1.09
72371	14 47 52.75	+57 20 36.8	9.23	H	221.969 797 10	+57.343 558 74	4.82	−43.28	33.37	0.77	0.79	0.87	0.89	0.94	+26 −20 −19 −28 −21 + 7 −19 −25 − 8 +20	1	0.40
72372	14 47 53.61	−32 14 49.5	7.70	2 H	221.973 384 46	−32.247 079 87	3.82	3.05	− 2.62	1.01	0.57	1.25	1.12	0.98	−29 −14 −17 +12 + 1 + 1 + 5 −27 +43 − 6	0	1.88
72373	14 47 54.92	−12 50 23.2	6.34	G	221.978 839 50	−12.839 781 60	9.04	49.05	−92.64	0.78	0.65	0.93	1.05	0.73	−29 − 6 −34 +17 − 6 − 5 − 7 + 1 − 1 −25	0	−0.15
72374	14 47 55.12	+13 49 01.0	9.19	H	221.979 672 67	+13.816 940 93	5.64	− 2.54	−17.30	1.15	0.93	1.43	1.32	1.03	+11 −29 −34 −34 −32 +33 −28 −26 +20 + 2	0	1.37
72375	14 47 55.47	−46 09 22.2	8.09	G	221.981 110 29	−46.156 177 42	1.82	− 9.84	− 7.31	0.66	0.65	0.95	0.83	1.03	−47 − 5 −16 +19 + 0 −13 + 1 + 4 +23 −41	0	0.45
72376	14 47 56.79	+27 32 46.1	9.09	H	221.986 640 25	+27.546 131 88	4.87	−15.95	− 8.68	0.96	0.85	1.34	1.12	1.00	− 8 −32 −19 − 2 +22 −22 +23 − 1 −11 −39	0	0.47
72377 H	14 47 57.15	−68 31 10.6	7.13	2 G	221.988 119 13	−68.519 617 66 A	4.44	−11.96	−14.91	0.91	1.07	1.09	0.81	1.08	+ 4 − 3 +17 +12 +10 −17 +12 +21 −20 +20	1	1.89
72378	14 47 57.56	−26 38 46.1	5.76	H	221.989 851 95	−26.646 133 29	7.51	−10.65	− 8.83	0.75	0.53	0.85	0.91	0.61	−27 −26 + 6 + 0 − 5 − 3 + 0 −24 +10 + 2	0	0.73
72379	14 47 57.75	−63 55 42.2	7.88	1 H	221.990 632 11	−63.928 392 15	3.17	−14.58	− 7.32	0.58	0.68	0.98	0.75	0.85	+21 −13 − 7 +37 + 9 − 5 +10 +28 + 0 +37	1	−0.58
72380 H	14 47 58.06	−67 50 18.0	8.50	H	221.991 902 59	−67.838 328 82 A	17.46	−102.79	−47.56	1.04	1.18	1.65	1.07	1.42	+15 + 2 + 0 −18 +10 −38 + 4 +17 −38 +42	2	0.66
72381	14 47 59.16	+46 27 28.2	8.67	G	221.996 483 98	+46.457 839 36	6.00	−31.29	15.20	0.62	0.60	0.77	0.80	0.75	+10 + 8 + 4 + 3 − 5 + 4 − 4 + 6 + 9 + 0	0	−1.40
72382	14 47 59.59	+21 42 24.5	8.08	G	221.998 307 39	+21.706 797 34	8.56	−34.03	− 3.97	0.64	0.64	0.86	0.68	0.66	−19 − 6 + 0 +40 + 9 −14 + 6 +24 − 4 −34	2	0.85
72383	14 48 00.74	−65 44 22.5	8.45	H	222.003 091 35	−65.739 575 31	2.94	− 3.60	− 4.36	0.48	0.63	0.92	0.53	0.77	+27 −22 −13 + 0 +15 −11 +17 +14 −13 +33	0	−1.06
72384	14 48 00.96	+11 26 32.6	10.27	H	222.003 999 16	+11.442 394 70	6.58	0.28	− 7.69	1.62	1.51	2.08	2.02	1.74	− 1 −11 −42 −27 −44 +30 −35 − 2 − 3 −23	0	0.18
72385	14 48 01.07	−49 26 30.0	9.09	H	222.004 458 75	−49.441 660 56	2.19	6.59	7.93	0.90	0.77	1.37	1.03	1.05	−17 −16 −18 −11 +24 −38 +18 −29 +21 −26	2	0.77
72386	14 48 01.08	−51 34 33.7	10.42	H	222.004 500 54	−51.576 017 54	2.36	− 2.43	− 6.65	1.48	1.46	2.07	2.07	2.06	−16 −12 −13 +24 +27 − 5 +26 − 9 +14 −14	3	−1.31
72387	14 48 01.47	+38 27 59.6	9.73	G	222.006 145 67	+38.466 549 72	41.26	−65.31	−128.56	0.98	1.09	1.47	1.12	1.20	+26 −21 −19 − 1 − 6 −15 − 9 + 5 + 4 +12	1	1.64
72388	14 48 02.28	−05 30 23.7	7.78	H	222.009 484 29	−05.506 570 48	3.42	−15.58	−20.41	1.17	0.88	1.32	1.33	1.02	− 3 −48 −30 +47 −10 + 5 − 7 +46 − 6 −12	0	0.65
72389	14 48 02.86	+56 09 33.2	10.04	H	222.011 914 30	+56.159 209 16	10.01	−14.09	− 0.09	0.96	0.97	1.10	1.09	1.18	+12 − 6 − 1 − 7 − 7 − 1 − 9 −23 + 0 + 0	0	1.99
72390	14 48 03.42	−63 18 50.0	10.36	H	222.014 231 65	−63.313 878 91	0.60	− 1.65	− 6.62	1.42	1.82	2.78	1.80	2.15	+16 − 6 + 2 +39 +12 −19 +13 +29 + 5 +23	4	−0.56
72391	14 48 03.42	+13 56 41.1	9.32	2 H	222.014 256 84	+13.944 756 50	5.80	−27.30	7.67	1.20	1.02	1.58	1.40	1.15	+ 3 −28 −34 −31 −32 +36 −26 −18 +16 − 9	0	−1.33
72392	14 48 03.54	+07 20 49.2	8.65	H	222.014 737 31	+07.346 987 51	0.74	− 6.78	5.64	1.15	1.01	1.67	1.19	1.12	−42 −32 −12 −40 + 5 +35 + 0 −39 +18 −42	0	0.54
72393	14 48 04.74	+37 40 12.2	8.24	H	222.019 760 41	+37.670 060 64	1.73	−22.70	− 6.64	0.63	0.71	0.99	0.69	0.77	+21 +11 − 6 −12 − 5 −16 − 7 − 3 +15 +10	0	−0.28
72394	14 48 05.53	−41 51 46.8	8.54	H	222.023 051 72	−41.862 986 35	4.55	−36.73	−52.94	0.99	0.87	1.24	0.98	1.14	+ 0 −35 −31 − 4 + 3 − 2 − 2 − 6 +17 −34	0	1.39
72395	14 48 06.04	+23 29 43.5	8.23	H	222.025 157 74	+23.495 430 10	4.10	− 9.32	− 7.97	0.77	0.64	1.02	0.96	0.79	− 8 −25 −22 +23 + 5 −19 + 7 +30 −13 −42	0	−0.07
72396	14 48 06.49	+04 57 00.8	9.10	H	222.027 026 70	+04.950 229 09	2.72	−15.86	18.79	1.70	1.12	1.81	2.20	1.41	−48 − 5 − 5 +29 −26 +14 −23 − 5 +10 −40	0	0.68
72397	14 48 08.94	−58 34 18.1	7.86	H	222.037 255 05	−58.571 697 77	3.60	−32.59	− 7.71	0.77	0.60	1.20	1.12	1.13	+25 −18 −13 +15 +32 −21 +22 − 7 +41 − 2	0	−0.23
72398	14 48 09.05	−41 01 01.7	7.66	H	222.037 702 63	−41.017 133 20	12.22	−37.60	−61.77	0.87	0.70	1.01	0.97	0.82	+ 5 −20 −22 +13 +10 − 1 + 5 + 2 +25 + 1	0	0.81
72399	14 48 09.77	−36 47 02.0	10.02	H	222.040 702 43	−36.783 902 47 A	29.64	−164.17	5.71	7.76	7.16	6.25	6.90	7.20	−36 + 6 −45 − 6 +45 −17 +51 −46 +17 −33	21	3.77
72400	14 48 10.67	−36 47 00.5	10.70	H	222.044 454 29	−36.783 469 21 B	32.58	−139.85	−18.20	11.98	10.12	9.48	11.57	11.19	−15 + 0 −28 + 9 +34 − 5 +38 −20 + 1 −20	21	3.77

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
72301	10.174	0.046	8.979	0.028		1.023	0.042	T	1.00	0.03	L	9.0144	0.0012	0.014	51		8.99	9.04		D			1 S							
72302	10.254	0.036	10.217	0.054		0.050	0.015	G	0.06	0.01	H	10.2843	0.0045	0.024	52		10.24	10.33					1						G
72303	8.878	0.012	8.396	0.012		0.466	0.013	T	0.54	0.01	L	8.4447	0.0018	0.014	114		8.42	8.47		C			1						S
72304	10.997	0.064	10.271	0.054		0.666	0.067	T	0.73	0.06	L	10.4224	0.0033	0.027	69		10.37	10.48		C			1						
72305	9.378	0.013	9.229	0.017		0.284	0.015	G	0.32	0.02	H	9.2386	0.0022	0.025	170		9.20	9.28					1						
72306	9.557	0.025	8.923	0.022		0.589	0.029	T	0.66	0.03	L	8.9851	0.0022	0.016	73		8.95	9.01		C			1						
72307	7.630	0.006	7.405	0.007		0.215	0.009	T	0.24	0.01	L	7.4495	0.0009	0.010	121		7.44	7.47		C			1						S
72308	6.162	0.003	6.076	0.003		0.084	0.004	T	0.10	0.00	L	6.1048	0.0007	0.007	120		6.10	6.12		C	14472−5212	I 1	1						S
72309	9.041	0.022	8.492	0.021		0.558	0.015	G	0.63	0.01	H	8.5337	0.0020	0.012	47		8.51	8.56					1						S
72310	8.214	0.010	6.242	0.004		1.649	0.006	G	1.62	0.01	J	6.1678	0.0012	0.008	83		6.15	6.18		M			1						S
72311	9.882	0.027	9.431	0.026		0.425	0.034	T	0.49	0.04	L	9.4333	0.0027	0.019	84		9.41	9.46		C			1						
72312	8.911	0.015	7.869	0.010		0.893	0.004	G	0.94	0.00	H	7.9099	0.0012	0.013	87		7.88	7.93		C			1						S
72313	9.894	0.023	9.826	0.032	A	−0.300	0.495	G	0.01	0.04	L *	9.8451	0.0029	0.024	110	*	9.79	9.89		C	14473−5021	I 1	2 C C	AB	232	1.956	0.042	3.13	0.14	G
72314	10.411	0.031	8.538	0.012		1.556	0.026	T	1.57	0.03	L	8.4423	0.0033	0.025	116		8.40	8.48		U 2			1						
72315	10.921	0.055	9.885	0.036		0.901	0.049	T	0.90	0.04	L	9.8586	0.0047	0.034	77		9.80	9.91		R			1						
72316	8.807	0.012	8.574	0.013		0.222	0.017	T	0.24	0.02	L	8.6162	0.0014	0.013	115		8.60	8.64		C			1 G						S
72317	10.526	0.057	9.944	0.051		0.544	0.068	T	0.62	0.06	L	10.0025	0.0028	0.020	67		9.96	10.04					1						
72318	7.753	0.006	7.660	0.007		0.091	0.009	T	0.10	0.01	L	7.6917	0.0014	0.016	167		7.67	7.72					1						S
72319	10.631	0.047	9.388	0.027		1.061	0.042	T	1.12	0.06	L	9.4532	0.0017	0.016	70		9.42	9.49					1						
72320	10.105	0.030	9.687	0.031		0.395	0.040	T	0.46	0.04	L	9.7210	0.0039	0.029	94		9.68	9.77		U			1						
72321	8.658	0.013	8.343	0.013		0.349	0.015	G	0.41	0.02	H	8.3681	0.0020	0.015	84		8.35	8.40		C			1						S
72322	9.292	0.018	8.233	0.013		0.918	0.017	T	0.92	0.01	L	8.2667	0.0017	0.012	89		8.25	8.29		C			1						S
72323	5.553	0.004	5.605	0.003		−0.043	0.005	T	−0.02	0.01	L	5.6031	0.0011	0.009	68		5.58	5.61		U 2			1						S
72324	8.417	0.007	8.410	0.009		0.007	0.010	T	0.03	0.01	L	8.4131	0.0012	0.018	239		8.38	8.45		C			1						
72325	8.591	0.009	7.934	0.008		0.602	0.015	G	0.67	0.01	H	8.0013	0.0012	0.011	128		7.98	8.02		C			1						S
72326	9.497	0.015	8.968	0.015		0.496	0.019	T	0.57	0.02	L	9.0374	0.0021	0.023	120		9.00	9.08		C			1						S
72327	10.797	0.049	10.220	0.045		0.539	0.059	T	0.61	0.06	L	10.3200	0.0029	0.025	100		10.27	10.36		C			1						G
72328	9.110	0.015	8.496	0.014		0.540	0.020	G	0.61	0.02	H	8.5342	0.0013	0.012	121		8.52	8.55		C			1						S
72329	9.747	0.023	8.263	0.013		1.249	0.021	T	1.21	0.02	L	8.2925	0.0021	0.013	83		8.27	8.31		C	14474−3021	I 1	1						
72330	6.928	0.008	6.827	0.008		0.098	0.011	T	0.11	0.01	L	6.8414	0.0011	0.009	70		6.83	6.86			14474+0202	I 1	1						S
72331	9.700	0.019	8.524	0.012		1.008	0.018	T	0.98	0.01	L	8.5637	0.0015	0.014	117		8.54	8.59					1						S
72332	7.249	0.004	7.339	0.005		−0.077	0.006	T	−0.06	0.01	L	7.3364	0.0009	0.013	280		7.31	7.36					1						S
72333						0.933	0.009	G	0.98	0.01	I	10.7306	0.0056	0.032	55		10.67	10.79					1						G
72334	11.257	0.087	9.691	0.037		1.314	0.074	T	1.28	0.09	L	9.6542	0.0034	0.021	67		9.62	9.70					1						
72335	9.150	0.015	8.808	0.015		0.324	0.020	T	0.38	0.03	L	8.8730	0.0013	0.013	108		8.85	8.90					1						
72336	8.050	0.009	7.516	0.008		0.509	0.009	T	0.58	0.01	L	7.5740	0.0014	0.011	113		7.55	7.59		C			1						S
72337	9.840	0.021	8.951	0.016		0.792	0.020	T	0.82	0.01	L	9.0298	0.0016	0.021	116		9.00	9.07		C			1						S
72338	7.665	0.009	6.419	0.006		1.068	0.032	G	1.04	0.02	A	6.4681	0.0014	0.008	52		6.45	6.48		C			1						S
72339	9.016	0.022	8.127	0.017		0.781	0.002	G	0.82	0.00	H	8.1843	0.0025	0.013	35		8.15	8.22					1						S
72340	10.278	0.030	9.276	0.021		0.876	0.027	T	0.89	0.02	L	9.3338	0.0023	0.020	118		9.29	9.36					1						
72341	9.116	0.013	9.113	0.017	A	0.007	0.019	T	0.03	0.02	L	9.1537	0.0070	0.037	139	A	9.11	9.26		D	14476−7559	I 2	1 C P A						
72342	10.908	0.066	10.677	0.079		0.220	0.097	T	0.24	0.11	L	10.6709	0.0354	0.199	99		10.49	10.96	0.31	P 1 A			1						G
72343	9.027	0.011	8.542	0.011		0.468	0.015	G	0.54	0.02	H	8.5996	0.0013	0.012	129		8.58	8.62		C			1						S
72344	10.194	0.028	10.091	0.040	B	0.100	0.046	T	0.11	0.05	L	10.3585	0.0193			B				D	14476−7559	I 2	1 C I A						
72345	10.355	0.041	9.823	0.041		0.499	0.052	T	0.57	0.06	L	9.8796	0.0023	0.024	83		9.85	9.92		D			1						
72346	11.722	0.186	9.568	0.041		1.821	0.157	T	1.93	0.22	K	9.4577	0.0044	0.024	38		9.43	9.50					1						
72347	9.003	0.018	8.512	0.018		0.474	0.020	T	0.55	0.02	L	8.5811	0.0023	0.011	55		8.55	8.60		C			1						S
72348	9.277	0.014	7.617	0.007		1.388	0.012	T	1.36	0.01	L	7.6273	0.0013	0.014	129		7.61	7.65			14477+2406	I 1	1						S
72349	8.202	0.008	8.072	0.010		0.126	0.012	T	0.14	0.01	L	8.1231	0.0011	0.013	101		8.10	8.15		C			1						S
72350	8.221	0.012	7.892	0.013		0.371	0.015	G	0.43	0.02	H	7.9147	0.0017	0.012	66		7.90	7.94		C			1						S
72351	8.031	0.007	7.750	0.009		0.267	0.011	T	0.30	0.01	L	7.8048	0.0009	0.011	137		7.79	7.83		C			1						S
72352	8.590	0.012	8.443	0.014		0.104	0.015	G	0.12	0.02	H	8.4866	0.0018	0.012	61		8.45	8.52		D			1						
72353	8.180	0.015	7.599	0.012		0.541	0.015	G	0.61	0.02	H	7.6625	0.0012	0.008	66		7.65	7.68		C			1						S
72354	9.332	0.015	8.091	0.010		1.059	0.014	T	1.03	0.01	L	8.1322	0.0017	0.013	121		8.11	8.16		C			1						
72355	9.725	0.017	9.585	0.022		0.127	0.026	T	0.14	0.03	L	9.6149	0.0022	0.029	154		9.57	9.67					1 S						G
72356	10.111	0.038	9.478	0.034		0.588	0.044	T	0.66	0.04	L	9.5157	0.0034	0.024	55		9.48	9.55		C			1						
72357	6.418	0.005	5.339	0.003		0.938	0.000	G	0.93	0.00	H	5.3937	0.0011	0.006	72		5.39	5.41					1						S
72358	8.362	0.011	7.922	0.011		0.415	0.014	T	0.48	0.01	L	7.9503	0.0014	0.009	95		7.94	7.97					1 G						S
72359	9.211	0.019	8.744	0.019		0.453	0.021	T	0.52	0.02	L	8.8317	0.0026	0.015	52		8.80	8.85					1						
72360	9.917	0.020	8.775	0.013		0.982	0.019	T	0.96	0.01	L	8.8465	0.0016	0.017	121		8.82	8.87		C			1						S
72361	10.561	0.068	9.407	0.042		0.991	0.062	T	0.97	0.05	L	9.3776	0.0033	0.018	43		9.35	9.42					1						
72362	6.940	0.005	6.926	0.007		0.013	0.008	T	0.03	0.01	L	6.9333	0.0010	0.006	62		6.92	6.95		C			1						S
72363	10.880	0.047	10.487	0.053		0.372	0.066	T	0.43	0.07	L	10.4877	0.0034	0.034	110		10.42	10.55					1						
72364	7.150	0.003	7.207	0.005		−0.048	0.005	T	−0.03	0.01	L	7.2164	0.0009	0.014	266		7.19	7.23		M			1						S
72365	10.147	0.026	9.212	0.018		0.812	0.024	T	0.84	0.02	L	9.3219	0.0020	0.019	113		9.30	9.35		C			1						
72366	10.056	0.024	8.504	0.012		1.320	0.015	G	1.28	0.02	H	8.5123	0.0018	0.017	139		8.48	8.54					1						
72367	9.184	0.014	8.966	0.016		0.208	0.020	T	0.23	0.02	L	8.9725	0.0089	0.090	146		8.90	9.16	2.18	P 1 A			1 S						
72368	8.337	0.008	8.227	0.009	*	0.099	0.011	T	0.11	0.01	L *	8.1144	0.0017	0.015	139	*	8.09	8.14		D	14478−7204	I 1	2 C A	AB	294	1.019	0.003	0.83	0.02	S
72369	8.040	0.007	7.604	0.007		0.412	0.009	T	0.48	0.01	L	7.6432	0.0011	0.014	176		7.62	7.67					1						S
72370	5.697	0.003	3.980	0.002		1.433	0.003	T	1.42	0.01	L	3.9796	0.0005	0.005	136		3.97	3.99		M			1						S
72371	9.770	0.023	9.276	0.023		0.488	0.015	G	0.56	0.02	H	9.3357	0.0017	0.018	115		9.31	9.37		C			1						
72372	9.769	0.023	7.904	0.010		1.583	0.021	T	2.16	0.06	O	7.7602	0.0045	0.042	93		7.68	7.79		U 2			1 S						S
72373	7.741	0.012	6.439	0.007		1.097	0.006	G	1.06	0.01	H	6.4955	0.0010	0.007	61		6.49	6.51					1						S
72374	10.306	0.039	9.258	0.026		0.910	0.035	T	0.91	0.03	L	9.3463	0.0021	0.016	74		9.33	9.38					1						
72375	8.043	0.007	8.072	0.009		−0.023	0.016	G	0.02	0.02	A	8.0897	0.0014	0.015	144		8.07	8.12					1						S
72376	9.554	0.019	9.154	0.019		0.378	0.025	T	0.44	0.03	L	9.1764	0.0024	0.023	101		9.14	9.23					1						
72377	7.081	0.005	7.126	0.005	*	−0.046	0.005	G	−0.02	0.01	H *	7.1181	0.0029	0.028	179	*	7.08	7.15	6.99	P 1 A	14479−6831	I 1	2 C A	AB	117	0.413	0.002	0.72	0.01	S P
72378	5.758	0.003	5.767	0.003		−0.007	0.004	T	0.01	0.00	L	5.7699	0.0007	0.005	70		5.76	5.78		C			1						S
72379	10.091	0.020	8.082	0.008		1.701	0.018	T	2.05	0.05	O	7.9622	0.0021	0.020	177		7.92	7.99		U			1						
72380	9.352	0.014	8.653	0.012	A	0.679	0.096	G	0.69	0.03	L *	8.6328	0.0023	0.022	175	*	8.59	8.68			14480−6750	I 1	2 C A	AB	64	5.263	0.017	2.65	0.07	
72381	9.124	0.012	8.724	0.012		0.394	0.003	G	0.46	0.00	H	8.7578	0.0014	0.016	143		8.73	8.80		C			1						S
72382	8.440	0.010	8.118	0.010		0.306	0.013	T	0.35	0.02	L	8.1707	0.0018	0.013	98		8.15	8.19					1						S
72383	8.468	0.008	8.460	0.010		0.012	0.012	T	0.03	0.01	L	8.4630	0.0015	0.018	236		8.43	8.49					1						
72384	10.774	0.059	10.270	0.058		0.560	0.072	G	0.63	0.07	R	10.3942	0.0041	0.029	65		10.36	10.44		C			1						
72385	10.487	0.028	9.228	0.017		1.073	0.026	T	1.04	0.02	L	9.2603	0.0019	0.020	130		9.22	9.31					1						
72386	11.211	0.062	10.504	0.054		0.651	0.067	T	0.71	0.06	L	10.5582	0.0046	0.036	109		10.49	10.66					1						G
72387	11.545	0.066	9.931	0.026		1.308	0.002	G	1.51	0.00	I	9.8465	0.0030	0.036	144		9.78	9.90					1						
72388	9.240	0.023	7.915	0.014		1.125	0.021	T	1.09	0.02	L	7.9513	0.0019	0.012	56		7.93	7.97					1 G						S
72389	10.971	0.050	10.068	0.037		0.787	0.048	T	0.82	0.03	L	10.1816	0.0031	0.024	95		10.14	10.22		C			1						
72390	10.597	0.028	10.517	0.042		0.190	0.020	G	0.21	0.02	H	10.4253	0.0041	0.050	198		10.34	10.53					1 S						G
72391	9.972	0.028	9.399	0.026		0.536	0.034	T	0.61	0.04	L	9.4420	0.0160	0.075	74		9.35	9.54	0.21	P 1 A			1						P
72392	9.793	0.021	8.729	0.015		0.922	0.020	T	0.92	0.01	L	8.8107	0.0017	0.015	94		8.79	8.84					1						S
72393	9.888	0.017	8.378	0.009		1.270	0.015	T	1.23	0.02	L	8.4018	0.0016	0.018	154		8.37	8.43					1						S
72394	10.085	0.033	8.658	0.018		1.205	0.029	T	1.16	0.03	L	8.7044	0.0032	0.016	62		8.68	8.73					1						
72395	9.534	0.015	8.323	0.010		1.036	0.014	T	1.01	0.01	L	8.3969	0.0018	0.016	126		8.37	8.43					1						S
72396	10.418	0.041	9.170	0.024		1.064	0.037	T	1.03	0.03	L	9.2691	0.0023	0.023	65		9.23	9.31		C			1						
72397	9.833	0.019	8.029	0.008		1.502	0.016	T	1.53	0.02	L	7.9801	0.0012	0.015	156		7.96	8.01					1						
72398	8.228	0.012	7.717	0.009		0.490	0.011	T	0.56	0.01	L	7.7715	0.0013	0.011	66		7.76	7.80		C			1						S
72399	11.322	0.114	10.038	0.059	A	1.087	0.103	T	1.16	0.15	L	10.1483	0.0186	0.151	67	A	10.05	10.55		D	14482−3647	I 2	1 C P B						G
72400											T	10.9390	0.0187			B				D	14482−3647	I 2	1 C I B						

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ mas/yr	Standard Errors α* mas	δ mas	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ mas/yr	Astrometric Correlations (%) δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
72401	14 48 10.88	−30 24 52.0	8.39	H	222.045 319 84	−30.414 435 86	3.93	−48.45	16.35	1.07	0.69	1.15	1.41	1.01	−23	−21	+ 8	+21	− 9	− 3	− 3	− 3	+ 0	+ 5	0	0.09
72402	14 48 12.77	−56 00 31.3	7.90	H	222.053 223 68	−56.008 687 01	2.81	−23.02	−21.18	0.75	0.66	1.00	1.06	0.90	+13	−27	− 4	+39	+21	−18	+24	+ 4	+ 8	+33	0	−1.31
72403	14 48 13.07	−66 26 20.5	7.67	H	222.054 449 71	−66.439 024 86	2.78	−4.95	−9.85	0.42	0.60	0.86	0.51	0.70	+41	− 6	− 4	+15	+28	−10	+26	+29	−15	+52	1	−1.84
72404	14 48 15.50	+52 37 32.8	7.99	H	222.064 573 51	+52.625 772 28	3.31	−12.94	13.29	0.53	0.52	0.64	0.55	0.52	+ 3	− 6	− 4	− 8	−15	− 7	−14	− 4	− 1	−17	0	0.47
72405	14 48 18.14	−20 30 45.7	10.53	H	222.075 587 89	−20.512 681 00	4.93	−52.46	20.75	1.47	0.99	1.77	1.59	1.17	−27	−26	−18	+10	− 4	+17	− 4	−25	+18	−23	0	1.81
72406	14 48 18.53	+66 15 11.0	8.97	H	222.077 222 07	+66.253 046 10	−1.90	6.79	−0.95	0.72	0.73	0.82	0.80	0.78	+ 7	− 9	−18	−15	− 4	+ 9	+ 1	+ 5	−19	− 8	1	0.26
72407	14 48 19.01	+58 54 35.5	9.74	H	222.079 199 36	+58.909 869 14	10.49	−269.10	67.83	0.78	0.96	0.93	0.83	1.06	+22	−16	−15	−18	− 7	−10	− 9	−39	+ 0	+16	3	0.18
72408	14 48 20.77	+21 19 07.2	7.89	H	222.086 554 34	+21.318 653 22	12.54	−57.61	−18.92	0.60	0.61	0.83	0.61	0.63	−31	−17	+ 2	+34	+ 1	− 9	+ 1	+17	−10	−42	0	−0.59
72409	14 48 21.13	+58 03 26.4	8.26	G	222.088 055 09	+58.057 338 74	4.70	−10.24	9.61	0.57	0.66	0.67	0.71	0.81	+19	− 8	− 7	−17	−18	+ 5	−15	−29	− 3	+34	0	−0.73
72410	14 48 21.46	+63 43 30.3	7.97	2 H	222.089 436 90	+63.725 094 20	1.00	−15.91	−13.77	0.61	0.66	0.70	0.76	0.80	− 6	+ 7	−24	+16	− 6	+ 9	− 5	+13	− 3	−27	0	−0.57
72411 H	14 48 21.81	−31 24 07.7	8.38	H	222.090 894 29	−31.402 143 10	A 8.00	−21.89	−34.66	2.19	1.25	2.49	2.29	2.17	−47	−36	+17	+12	− 7	+ 6	−10	−11	+38	− 4	2	0.04
72412 H	14 48 23.41	+24 22 00.3	6.15	G	222.097 538 68	+24.366 736 85	A 12.36	−101.06	57.29	0.96	0.72	1.13	1.34	0.96	+25	−29	−37	+44	+22	−22	− 4	+12	− 2	−44	2	0.08
72413	14 48 23.97	−39 01 44.2	8.19	H	222.099 858 62	−39.028 938 14	5.94	17.32	5.73	0.84	0.70	0.98	0.82	0.79	− 8	−35	− 4	− 2	−10	− 7	−14	+15	+ 6	− 2	0	−0.16
72414	14 48 24.19	+16 08 34.2	8.67	H	222.100 801 22	+16.142 833 83	9.55	11.08	−39.12	0.95	0.83	1.22	1.23	0.93	− 4	−26	−38	−15	−19	+12	−17	−14	+19	−18	0	1.54
72415	14 48 25.20	−56 26 10.1	8.25	G	222.104 982 93	−56.436 133 35	10.83	−65.61	−45.98	0.75	0.64	1.06	0.85	0.89	+18	−36	−15	+23	+18	−20	+ 8	− 9	+22	+ 7	0	0.03
72416	14 48 25.27	−29 37 30.6	9.18	H	222.105 277 64	−29.625 154 18	6.15	−11.29	−42.30	1.34	0.84	1.49	1.69	1.25	−25	+ 2	− 3	+19	− 6	+11	+ 2	−15	+14	+ 2	0	−0.86
72417	14 48 25.39	−15 13 36.3	8.82	H	222.105 782 54	−15.226 745 75	0.16	15.27	−11.93	1.09	0.76	1.29	1.44	0.91	−48	+ 0	−29	+36	−40	+42	−28	+ 9	− 4	−36	2	0.77
72418	14 48 25.46	+22 23 55.5	7.68	2 H	222.106 084 21	+22.398 739 35	2.07	11.85	−11.94	0.63	0.61	0.83	0.69	0.64	−26	− 8	− 9	+17	+ 5	−18	+ 3	+17	− 2	−41	0	2.02
72419	14 48 29.00	+42 47 58.9	9.94	H	222.120 842 65	+42.799 705 78	−0.54	−16.70	10.62	0.98	1.09	1.35	1.37	1.34	+24	+ 0	− 2	+ 0	− 3	−15	− 1	+19	−13	+17	0	2.88
72420	14 48 29.12	−25 29 14.8	7.03	H	222.121 320 39	−25.487 434 09	19.35	−129.04	168.87	0.78	0.57	0.89	1.05	0.71	−28	− 8	−17	+11	−16	+13	−10	−10	+ 2	−16	0	0.61
72421	14 48 29.35	+03 17 44.8	8.39	H	222.122 293 03	+03.295 771 19	7.19	−49.03	−15.16	1.10	0.66	1.13	1.20	0.89	−23	−39	−10	+ 9	−41	+20	−46	+ 6	+13	−23	0	2.49
72422	14 48 29.52	+14 27 41.8	9.42	H	222.122 996 17	+14.461 609 67	8.28	−29.47	55.26	1.04	1.00	1.43	1.28	1.15	− 9	−23	−31	− 8	−38	+36	−30	+13	+ 6	−24	0	−0.66
72423 H	14 48 31.70	−17 20 24.4	6.87	G	222.132 101 23	−17.340 106 98	A 19.56	25.71	−61.24	1.86	1.31	1.50	2.14	1.34	−41	−12	− 3	+19	−21	+ 4	−15	− 8	− 2	−34	7	1.82
72424	14 48 31.96	−54 28 24.3	9.64	G	222.133 167 24	−54.473 414 75	1.46	−1.75	−3.36	1.26	1.11	1.63	1.71	1.51	− 1	−19	+ 5	+22	+15	+ 7	+14	+11	+ 6	+ 7	0	−0.28
72425	14 48 32.15	−09 09 20.0	8.23	H	222.133 959 38	−09.155 551 48	3.55	3.28	−5.23	1.14	0.89	1.37	1.44	1.54	−23	−36	−18	+46	−19	−35	−39	+27	+44	−56	0	0.95
72426 H	14 48 32.21	+24 45 03.7	9.02	2 H	222.134 218 34	+24.751 034 41	A −0.46	14.81	1.08	2.20	1.61	2.42	2.82	2.12	+ 8	−28	−34	+25	+17	−33	−10	− 6	+24	−64	2	0.79
72427 H	14 48 32.68	−35 50 29.4	6.72	H	222.136 176 84	−35.841 498 41	A 7.08	26.25	−1.93	1.11	1.09	1.43	1.18	1.13	− 5	−18	−56	−13	+ 3	−13	−11	−15	+25	−16	3	−0.65
72428	14 48 34.88	−01 07 03.2	8.78	H	222.145 334 26	−01.117 548 41	3.14	−9.72	7.90	1.12	1.13	1.77	1.22	1.38	+ 5	−43	−55	+27	+25	−37	−18	−29	+52	−46	3	0.66
72429	14 48 35.18	+38 37 31.1	9.67	H	222.146 604 04	+38.625 314 03	9.51	14.66	−17.28	0.85	1.04	1.32	0.96	1.15	+20	+ 5	−10	− 4	− 1	− 7	− 1	+19	− 2	+19	1	1.53
72430	14 48 35.60	+07 43 51.6	10.10	H	222.148 323 70	+07.731 007 30	7.16	2.35	17.13	1.44	1.53	2.26	1.54	1.73	−45	− 3	−45	−26	+ 3	+20	+ 6	−47	+35	−49	0	0.60
72431	14 48 35.87	−63 21 19.2	7.46	H	222.149 451 15	−63.355 345 13	1.09	−4.54	−4.15	0.45	0.63	0.89	0.59	0.75	+18	− 4	− 3	+40	+17	− 5	+20	+24	+ 4	+34	3	−0.82
72432	14 48 38.06	−36 38 04.5	5.89	2 H	222.158 571 55	−36.634 585 07	7.26	−12.94	−46.04	0.70	0.66	0.90	0.68	0.74	−13	−27	−35	+11	− 6	+ 6	+ 0	+18	− 8	−35	0	0.41
72433	14 48 40.67	−07 06 25.2	8.11	G	222.169 462 54	−07.107 011 61	6.55	−55.59	−5.46	0.99	0.78	1.12	1.15	0.96	−18	−40	−21	+28	−16	+12	−11	+25	− 3	−23	0	0.89
72434	14 48 42.37	+53 03 30.9	8.68	H	222.176 525 88	+53.058 571 85	2.70	−9.29	−30.70	0.61	0.61	0.75	0.63	0.62	+10	− 9	− 3	−17	−11	+ 0	− 9	−12	− 6	−15	1	−0.74
72435	14 48 42.56	−70 35 56.2	7.37	H	222.177 325 86	−70.598 958 18	1.69	−6.52	−5.09	0.52	0.61	0.80	0.59	0.74	+15	−17	+ 2	+19	+14	− 4	+14	+28	− 4	+29	1	0.81
72436	14 48 42.63	−38 04 14.6	11.67	G	222.177 630 55	−38.070 720 57	2.44	−210.77	−113.49	2.44	2.15	2.97	3.02	2.77	− 6	−19	−23	+10	−11	+13	− 6	+21	−13	− 7	0	−0.94
72437	14 48 44.17	−62 15 43.8	9.03	H	222.184 025 78	−62.262 152 94	5.11	−48.66	−34.46	1.00	0.88	1.41	1.18	1.11	+37	−32	− 3	− 3	−10	−25	−12	+ 7	− 9	+58	4	0.58
72438	14 48 44.56	−66 35 36.7	5.91	2 H	222.185 671 67	−66.593 536 12	2.85	−7.49	−11.14	0.31	0.44	0.62	0.38	0.54	+32	− 5	− 1	+ 1	+19	− 7	+17	+25	−12	+41	1	−2.10
72439	14 48 46.47	−32 47 21.2	9.84	H	222.193 637 80	−32.789 211 79	5.71	−18.59	−2.96	1.52	1.06	1.95	1.66	1.55	−33	+ 1	−29	+13	+ 3	+ 8	+19	−35	+39	− 2	2	−0.23
72440	14 48 46.80	+36 03 01.2	8.75	H	222.195 010 70	+36.050 329 42	9.81	−77.53	7.25	0.62	0.77	1.04	0.74	0.88	+10	+ 3	−12	+ 7	+ 1	−10	− 1	+ 2	−11	+ 7	0	−0.49
72441	14 48 48.92	+45 39 56.5	9.26	H	222.203 844 83	+45.665 690 09	4.00	−95.98	87.63	0.87	0.83	1.08	1.07	0.99	+10	+11	+10	+ 6	−11	+ 6	−10	+ 2	+12	− 1	0	0.67
72442	14 48 48.95	−13 07 09.9	7.66	H	222.203 952 86	−13.119 425 59	3.52	−3.93	−16.58	0.89	0.66	0.99	1.13	0.83	−36	+ 4	−25	+18	− 9	+ 2	− 5	−10	+ 1	−22	0	1.12
72443	14 48 49.67	−54 06 20.6	8.45	H	222.206 937 76	−54.105 713 06	2.12	−2.46	−5.23	0.85	0.71	1.09	0.93	0.93	+ 5	−32	−16	+20	+13	+ 9	+15	+ 9	− 1	− 6	0	−1.29
72444	14 48 50.08	−71 19 42.0	12.09	3 H	222.208 652 30	−71.328 320 80	0.48	−35.44	8.18	1.57	1.81	2.47	1.75	2.13	+19	−17	+ 1	+13	+13	− 9	+12	+34	+ 2	+23	0	1.09
72445 H	14 48 50.32	−35 34 36.0	9.91	H	222.209 650 20	−35.576 676 75	A 18.37	−86.18	−90.00	9.93	5.42	4.02	3.03	3.30	−71	−14	−28	− 2	− 4	−25	−11	− 8	+45	−35	0	0.34
72446	14 48 51.46	+18 11 58.9	7.36	H	222.214 402 41	+18.199 706 21	4.45	13.48	−9.72	0.55	0.61	0.85	0.65	0.73	−29	+ 6	−23	+26	− 9	+ 3	−10	+17	− 7	−40	0	−1.65
72447 H	14 48 53.25	+05 57 16.6	6.83	G	222.221 865 46	+05.954 616 19	A 17.23	10.91	−87.35	2.10	1.49	1.78	1.96	1.47	−44	−34	+25	− 7	−18	−20	−13	−30	+20	−35	1	0.82
72448	14 48 53.53	−37 37 58.0	8.44	H	222.223 056 42	−37.632 774 68	1.89	−30.94	−0.24	0.94	0.84	1.18	1.03	1.02	+ 0	−32	−32	− 6	−12	+15	− 6	+ 7	− 4	−16	0	−0.78
72449	14 48 54.10	−00 50 51.7	6.15	H	222.225 414 73	−00.847 695 86	9.24	−8.50	16.88	0.84	0.87	1.31	0.85	0.90	+13	−39	−65	+19	+16	−15	− 9	−28	+43	−26	0	−0.49
72450	14 48 55.53	+03 54 29.2	9.74	G	222.231 366 36	+03.908 106 05	5.23	−11.81	−2.83	1.44	0.98	1.64	1.55	1.42	−39	−40	− 4	+20	−13	+ 5	−27	−20	+26	−47	2	0.15
72451	14 48 56.65	+31 14 13.0	10.43	H	222.236 033 81	+31.236 954 22	4.68	28.21	−21.71	1.15	1.50	1.83	1.38	1.59	−14	+ 4	−10	− 2	+ 9	−14	+ 7	+ 4	+ 1	−28	0	0.95
72452	14 48 57.10	−58 39 18.7	8.63	H	222.237 913 29	−58.655 184 93	2.18	−6.04	−6.20	0.93	0.66	1.33	1.48	1.33	+21	−14	−12	+18	+25	−17	+21	−10	+29	+ 9	0	1.11
72453	14 48 57.18	+23 33 33.9	8.68	H	222.238 236 71	+23.559 425 36	5.89	4.87	−12.82	0.78	0.68	1.09	1.12	1.02	− 9	− 4	−19	+23	+ 1	−20	+ 1	+26	+ 5	−56	0	1.31
72454	14 48 58.65	−40 25 15.3	7.64	H	222.244 374 59	−40.420 920 74	1.93	−17.00	−5.90	0.84	0.67	0.98	0.86	0.71	− 2	−33	−16	+13	+ 9	− 3	+ 4	− 5	+17	+ 8	0	−1.89
72455 H	14 48 58.71	−58 07 09.7	7.13	G	222.244 610 70	−58.119 360 09	* 12.79	−2.38	12.69	0.62	0.49	0.93	0.93	0.92	+13	−16	−18	+23	+32	−31	+23	−12	+35	− 9	0	−2.13
72456	14 48 59.18	−29 33 32.3	8.65	H	222.246 602 50	−29.558 974 89	12.63	−54.78	13.89	1.06	0.65	1.20	1.34	0.97	−22	−11	− 4	+11	− 8	+17	− 4	−11	+20	+ 9	0	0.39
72457	14 49 00.59	+53 30 29.8	9.34	H	222.252 463 81	+53.508 275 53	6.79	−16.12	3.19	0.76	0.70	0.89	0.81	0.70	+ 9	− 5	+ 0	−12	−18	− 4	−14	− 1	− 7	−17	0	−1.10
72458	14 49 01.32	+36 04 05.3	8.46	H	222.255 515 36	+36.068 127 32	15.72	−205.49	−77.05	0.60	0.75	0.98	0.70	0.84	+18	− 3	−17	− 2	− 2	− 7	− 4	− 6	− 4	+ 9	0	0.51
72459	14 49 01.72	−35 33 00.8	7.63	G	222.257 168 43	−35.550 215 96	5.30	22.14	−32.12	1.10	0.95	1.70	1.20	1.44	− 5	−41	−49	+ 9	+10	−33	−29	−25	+56	−53	0	0.18
72460	14 49 02.24	−54 27 45.9	10.35	G	222.259 324 34	−54.462 760 23	0.13	−7.93	−6.30	1.42	1.25	1.84	1.91	1.67	− 4	−19	+ 6	+22	+19	+ 9	+21	+ 3	− 5	+ 7	0	−0.83
72461	14 49 02.36	+25 42 12.2	9.73	G	222.259 845 24	+25.703 387 34	10.28	−8.94	−346.52	1.07	0.95	1.42	1.34	1.29	− 1	−19	−22	+10	− 4	− 7	− 1	+16	−10	−41	0	0.87
72462	14 49 02.46	+19 20 51.3	8.41	H	222.260 258 03	+19.347 577 42	2.28	−17.34	39.33	0.71	0.79	1.02	0.83	0.88	−25	−10	+ 8	+ 8	+ 5	− 4	+ 6	+ 0	−12	−26	0	−0.31
72463 H	14 49 03.97	+40 57 38.0	10.52	H	222.266 547 55	+40.960 565 41	A 19.55	−253.20	118.90	1.78	1.96	2.31	1.78	2.21	+17	− 1	− 5	− 2	+ 0	−16	+ 0	+13	− 4	+ 6	0	0.03
72464 H	14 49 05.33	+07 56 28.1	8.36	H	222.272 188 12	+07.941 131 29	A 3.58	−43.54	8.05	1.88	2.24	2.29	1.70	2.12	−30	−25	−34	+ 5	−14	−13	−36	−14	+61	−70	1	−0.45
72465	14 49 05.87	−05 45 05.3	8.25	H	222.274 461 19	−05.751 463 99	7.87	−31.71	−44.99	0.90	0.84	1.09	1.16	0.90	−23	− 4	−48	+33	−26	+25	−15	+37	−26	−27	0	0.87
72466	14 49 05.96	+19 41 53.8	7.80	H	222.274 830 80	+19.698 265 07	2.80	−66.23	−30.26	0.62	0.64	0.96	0.75	0.72	−22	− 9	−29	+29	+22	−35	+ 8	+ 6	+11	−50	1	1.06
72467	14 49 06.60	+56 53 46.0	8.16	G	222.277 503 86	+56.896 102 87	8.23	−22.45	−49.08	0.62	0.61	0.65	0.71	0.74	+27	− 2	− 7	−36	−23	+ 3	−22	−26	− 5	+20	0	−0.94
72468	14 49 06.75	+54 13 53.4	7.03	H	222.278 120 43	+54.231 508 81	2.69	−42.05	−3.72	0.49	0.46	0.56	0.56	0.50	+ 0	− 1	− 3	+ 8	−17	+ 1	−17	+ 2	−10	−25	0	−0.64
72469	14 49 06.93	+37 48 39.3	6.15	H	222.278 874 78	+37.810 912 87	24.39	−253.00	109.62	0.44	0.45	0.66	0.47	0.49	+23	+12	− 7	−13	−15	−21	−18	− 6	−21	+17	0	−1.08
72470	14 49 07.01	+70 31 33.9	10.64	H	222.279 225 86	+70.526 096 71	21.81	−119.10	120.90	1.26	1.27	1.45	1.37	1.43	+ 3	+ 8	−27	−31	− 3	−32	− 9	+ 1	+ 8	−10	0	1.80
72471	14 49 07.17	−56 40 03.1	6.21	H	222.279 870 82	−56.667 538 64	10.45	−105.75	−119.53	0.58	0.50	0.81	0.64	0.68	+ 6	−38	− 3	+21	+13	−25	+11	− 5	+ 6	+ 3	0	−1.70
72472	14 49 08.46	+10 32 25.9	8.98	H	222.285 261 65	+10.540 540 90	4.01	14.68	−1.58	0.99	1.00	1.30	1.07	1.19	−28	−26	−27	+ 8	−38	+27	−32	+25	+ 0	−54	2	−0.41
72473	14 49 08.61	−01 41 20.1	9.08	H	222.285 883 89	−01.688 916 33	6.74	−39.64	−81.12	1.51	1.38	2.01	1.64	1.39	+19	−29	−61	+36	+32	−25	+ 8	−22	+36	−12	6	1.08
72474	14 49 09.22	−04 30 07.1	9.31	H	222.288 424 85	−04.501 972 00	8.36	−34.24	0.07	1.24	1.14	1.52	1.40	1.17	−11	−19	−42	+20	+ 5	+15	+18	− 5	−16	−14	0	0.00
72475	14 49 09.39	+20 24 04.7	7.83	H	222.289 112 14	+20.401 307 97	1.14	8.54	4.94	0.62	0.67	0.90	0.63	0.70	−46	+ 8	−22	+19	+16	− 6	+11	− 3	− 8	−59	0	2.23
72476	14 49 09.50	−42 14 36.1	12.67	H	222.289 565 56	−42.243 354 64	B 6.19	−39.94	−57.41	127.18	102.37	4.73	4.12	4.51	− 5	+11	−34	−21	−12	− 7	−12	+ 8	− 2	−29	0	0.33
72477	14 49 09.67	−42 14 20.2	10.14	H	222.290 286 10	−42.238 944 91	A 6.19	−39.94	−57.41	5.30	3.85	4.73	4.12	4.51	+15	−51	−32	− 7	− 4	− 7	+ 0	+ 3	− 2	−29	0	0.33
72478 H	14 49 10.88	−10 49 38.0	7.53	G	222.295 327 86	−10.827 222 21	A 7.42	37.97	−3.53	3.44	1.96	1.44	1.60	1.37	−65	− 5	−17	+25	− 7	− 7	− 7	+ 9	+39	−15	2	0.05
72479 H	14 49 13.70	+10 12 53.7	8.42	H	222.307 096 95	+10.214 912 27	* 24.21	−139.17	−184.91	0.99	0.81	1.29	1.01	1.00	−25	−42	−18	+ 1	−35	+27	−38	+15	+17	−46	0	−0.93
*72480	14 49 14.84	+25 09 03.3	6.68	H	222.311 838 90	+25.150 921 63	3.07	−17.20	−11.77	0.63	0.52	0.90	0.91	0.75	− 4	+ 1	−22	+15	+ 3	−31	− 3	+14	+10	−52	0	0.91
*72481	14 49 14.77	−45 48 05.5	9.29	G	222.311 535 35	−45.801 535 83	4.40	−61.23	−53.11	0.90	0.89	1.38	1.26	1.44	−53	+19	−34	+25	− 8	+ 4	− 2	+18	− 2	−32	1	0.10
72482	14 49 14.93	−59 24 26.4	6.59	H	222.312 210 01	−59.407 337 10	1.24	−9.21	−7.53	0.62	0.44	0.78	0.72	0.73	+15	−32	−13	+14	+21	− 9	+18	− 9	+ 9	−10	0	−1.38
72483	14 49 15.93	−49 39 16.4	9.09	G	222.316 392 91	−49.654 549 45	3.06	4.01	−19.63	0.99	0.84	1.52	1.11	1.08	+ 5	−37	−27	+16	+24	−32	+11	−32	+20	− 9	0	1.00
72484	14 49 17.12	−34 07 57.9	9.37	H	222.321 324 57	−34.132 750 39	4.12	−5.91	−31.47	1.32	1.23	1.81	1.55	1.34	−17	+ 4	−54	− 5	+ 1	+ 1	+ 2	−16	+17	−12	0	−1.06
72485	14 49 17.20	−34 01 12.2	8.22	H	222.321 651 49	−34.020 054 92	4.54	−11.04	−10.21	1.00	0.95	1.43	1.15	1.02	−17	− 2	−54	− 4	+ 7	− 3	+ 7	−27	+28	−10	0	1.64
72486 H	14 49 18.07	+49 50 15.7	8.11	H	222.325 270 95	+49.837 701 97	A 18.33	39.55	25.65	1.03	1.05	1.14	1.12	0.98	+22	− 2	−22	+14	−22	+ 4	−23	−10	− 7	− 7	0	1.03
72487	14 49 18.68	+46 06 59.0	5.76	H	222.327 814 37	+46.116 393 36	21.34	−7.35	−77.32	0.46	0.41	0.55	0.57	0.49	+ 3	+ 2	− 6	− 3	+ 1	+ 6	+ 2	+ 4	+ 6	− 9	2	0.59
72488	14 49 18.76	−24 15 05.3	5.68	1 H	222.328 159 84	−24.251 469 51	2.93	−20.69	−0.43	0.74	0.52	0.84	0.84	0.69	−30	−26	− 1	+ 3	−17	− 2	−21	− 6	+ 6	−35	0	0.13
72489 H	14 49 19.09	−14 08 56.3	5.32	G	222.329 545 67	−14.148 985 87	A 13.86	−65.89	−14.79	1.19	0.86	1.30	1.46	1.01	−20	+17	−28	−19	−48	+24	−47	−17	− 2	+19	4	0.75
72490	14 49 20.56	−60 04 46.8	9.18	H	222.335 650 57	−60.079 673 01	9.65	−155.09	−85.93	1.13	0.89	1.49	1.58	1.44	+34	−21	−21	+43	+33	− 6	+27	+ 2	+25	+27	0	0.89
72491	14 49 21.42	−05 47 28.6	7.92	1 H	222.339 250 51	−05.791 277 79	1.94	−18.91	−4.69	0.94	0.74	0.98	1.19	0.87	− 7	− 8	−24	+42	+ 4	+17	+11	+22	− 5	+ 0	3	−0.78
72492 H	14 49 23.60	−57 26 16.7	7.76	G	222.348 337 13	−57.437 977 53	A 4.13	−10.37	−47.76	1.32	1.41	1.35	1.05	1.24	+44	−31	−30	+18	+27	−33	+14	−19	+35	−16	0	−0.52
72493 H	14 49 23.88	−67 14 06.7	7.26	G	222.349 497 76	−67.235 190 60	A 41.69	−107.28	−320.91	0.79	1.01	1.24	0.70	0.95	+32	+ 4	− 4	− 9	+18	−17	+11	+24	−18	+47	2	0.32
72494	14 49 25.07	−65 40 53.5	7.09	H	222.354 451 39	−65.681 520 24	6.94	12.70	−1.93	0.40	0.52	0.73	0.39	0.58	+23	−21	− 7	+ 3	+25	− 9	+26	+20	−14	+36	0	0.33
*72495	14 49 25.37	+35 11 31.4	8.58	H	222.355 688 01	+35.192 068 84	7.23	−18.42	−17.36	0.59	0.73	1.02	0.65	0.82	+37	−20	−21	− 8	− 9	−12	−10	− 5	− 4	+31	0	0.37
*72496	14 49 25.35	−08 30 15.4	7.10	H	222.355 644 26	−08.504 278 47	7.15	24.04	−29.37	0.85	0.71	0.92	0.99	0.94	−32	−28	−13	+31	−28	−15	−31	+30	+ 5	−43	0	−0.61
72497 H	14 49 25.42	−59 26 47.5	8.36	H	222.355 898 30	−59.446 515 68	A 3.59	−9.84	−10.08	1.26	0.87	1.53	1.40	1.30	+39	−32	−20	+22	+31	−15	+18	− 5	+30	+12	1	−0.69
72498	14 49 25.71	−02 00 37.0	9.44	H	222.357 114 40	−02.010 288 22	7.83	−27.38	0.06	1.54	1.43	1.88	1.79	1.51	+ 1	+ 0	−55	+41	+25	+ 3	+32	−21	+33	+ 5	0	1.22

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
72401	9.755	0.021	8.507	0.013		1.064	0.019	T	1.03	0.02	L	8.5517	0.0018	0.015	91		8.53	8.58		C			1							
72402	8.024	0.011	7.893	0.014		0.126	0.017	T	0.14	0.02	L	7.9437	0.0019	0.015	92		7.92	7.97					1							
72403	7.623	0.004	7.669	0.006		−0.022	0.002	G	0.00	0.00	H	7.6740	0.0010	0.014	260		7.65	7.70					1							S
72404	9.797	0.021	8.126	0.010		1.397	0.018	T	1.37	0.02	L	8.1371	0.0012	0.011	114		8.12	8.16		C			1							S
72405	10.947	0.058	10.574	0.069		0.569	0.071	G	0.64	0.07	R	10.6563	0.0024	0.023	82		10.61	10.70		C			1							G
72406	11.093	0.064	9.174	0.022		1.593	0.054	T	1.61	0.06	L	9.0806	0.0021	0.017	98		9.05	9.11		C			1							
72407	10.562	0.040	9.867	0.034		0.630	0.040	G	0.70	0.04	R	9.8749	0.0028	0.024	103		9.84	9.91					1							
72408	8.351	0.008	7.941	0.009		0.412	0.003	G	0.48	0.00	H	7.9888	0.0011	0.011	116		7.97	8.01					1							S
72409	8.787	0.011	8.293	0.011		0.466	0.015	G	0.54	0.02	H	8.3594	0.0013	0.011	110		8.34	8.38		C			1							S
72410	9.528	0.017	8.110	0.010		1.198	0.015	T	1.16	0.01	L	8.1318	0.0024	0.025	110		8.09	8.18		U 2			1							S
72411	8.972	0.013	8.504	0.013	*	0.454	0.014	T	0.52	0.01	L *	8.4853	0.0014	0.013	111	*	8.46	8.51		D	14484−3124	I 1	2 C	A	AB	102	0.929	0.006	1.17	0.02	S
72412	6.668	0.008	6.097	0.007	*	0.506	0.023	G	0.58	0.02	H *	6.2546	0.0006	0.007	141	*	6.24	6.27		D	14484+2422	I 1	2 C	A	AB	55	2.099	0.002	0.95	0.01	S
72413	8.436	0.012	8.212	0.013		0.214	0.017	T	0.24	0.02	L	8.2608	0.0020	0.014	63		8.24	8.28		C			1							S
72414	9.430	0.019	8.728	0.017		0.647	0.021	T	0.71	0.02	L	8.8007	0.0019	0.015	79		8.78	8.83		C			1							S
72415	8.868	0.014	8.279	0.013		0.544	0.015	G	0.62	0.01	H	8.3631	0.0017	0.014	111		8.34	8.39		C			1							
72416	10.482	0.035	9.299	0.021		1.014	0.032	T	0.99	0.03	L	9.3474	0.0021	0.021	91		9.32	9.38					1							
72417	10.107	0.029	8.932	0.018		1.008	0.027	T	0.98	0.02	L	8.9847	0.0019	0.017	83		8.95	9.01		C			1							
72418	9.783	0.021	7.871	0.009		1.587	0.018	T	1.61	0.02	L	7.7972	0.0033	0.025	102		7.76	7.83		U 2			1							S
72419	11.560	0.076	10.103	0.034		1.228	0.065	T	1.19	0.06	L	10.1072	0.0027	0.031	125		10.05	10.17		C			1	S						
72420	7.606	0.008	7.083	0.006		0.491	0.024	G	0.56	0.03	H	7.1389	0.0010	0.009	70		7.13	7.16					1							S
72421	8.987	0.014	8.453	0.013		0.501	0.017	T	0.57	0.02	L	8.4982	0.0015	0.013	93		8.48	8.53		C			1							S
72422	10.070	0.029	9.495	0.028		0.537	0.036	T	0.61	0.04	L	9.5387	0.0020	0.016	78		9.52	9.58					1							
72423	8.071	0.034	7.377	0.046	A	0.621	0.015	G	0.69	0.01	H *	6.9930	0.0010	0.010	84	*	6.98	7.02		D	14485−1720	I 1	2 C	A	AB	274	2.477	0.005	0.50	0.01	S
72424	9.894	0.025	9.690	0.031		0.214	0.038	G	0.24	0.04	H	9.6968	0.0037	0.029	86		9.65	9.75			14485−5428	I 1	1							D
72425	9.614	0.028	8.348	0.018		1.079	0.026	T	1.04	0.02	L	8.3973	0.0017	0.012	44		8.37	8.42		C			1							
72426	9.659	0.016	9.119	0.016	*	0.506	0.021	T	0.58	0.02	L *	9.1352	0.0027	0.037	131	*	9.10	9.34	2.45	P 1 A	14485+2445	M 1	2 C	A	AB	306	0.469	0.017	2.17	0.07	S
72427	7.975	0.015	6.820	0.008	*	0.992	0.013	T	0.97	0.01	L *	6.8881	0.0015	0.009	49	*	6.88	6.90		D	14485−3551	I 1	2 C	A	AC	215	9.801	0.012	2.51	0.04	S
72428	9.134	0.022	8.803	0.024		0.314	0.030	T	0.36	0.04	L	8.8611	0.0021	0.015	49		8.83	8.89		C			1							S
72429	10.311	0.025	9.744	0.023		0.530	0.030	T	0.60	0.03	L	9.7871	0.0028	0.035	149		9.72	9.84					1							
72430	10.531	0.037	10.177	0.043		0.336	0.053	T	0.39	0.07	L	10.1771	0.0030	0.026	96		10.11	10.23					1							
72431	9.785	0.015	7.666	0.006		1.752	0.013	T	1.78	0.01	L	7.5536	0.0009	0.013	204		7.53	7.58					1							
72432	7.756	0.013	6.150	0.014		1.369	0.016	T	3.21	0.06	O	5.7201	0.0195	0.082	56		5.61	5.86		U 2			1	S						S P
72433	8.582	0.013	8.154	0.013		0.397	0.015	G	0.46	0.02	H	8.1997	0.0015	0.013	58		8.18	8.22					1							S
72434	10.209	0.028	8.814	0.015		1.179	0.025	T	1.14	0.02	L	8.8463	0.0015	0.014	116		8.83	8.87		C			1							
72435	9.058	0.011	7.506	0.006		1.303	0.010	T	1.26	0.01	L	7.5230	0.0012	0.015	155		7.50	7.55					1							S
72436						0.440	0.010	G	0.51	0.01	H	11.8405	0.0086	0.055	57		11.76	11.92					1							G
72437	10.601	0.036	9.180	0.019		1.200	0.032	T	1.16	0.03	L	9.1966	0.0026	0.023	137		9.16	9.24					1							
72438	5.745	0.003	5.869	0.004		−0.106	0.004	T	−0.09	0.01	L	5.8800	0.0021	0.046	266		5.79	5.92		U 2 C	14487−6635	I 1	1							S P
72439	10.285	0.036	9.878	0.039		0.398	0.044	T	0.46	0.05	L	9.9291	0.0037	0.025	83		9.88	9.97		C			1							
72440	9.278	0.011	8.787	0.011		0.462	0.014	T	0.53	0.01	L	8.8493	0.0016	0.022	173		8.80	8.89					1							S
72441	10.461	0.035	9.343	0.021		0.955	0.032	T	1.00	0.03	L	9.3982	0.0034	0.022	112		9.36	9.44					1							
72442	9.034	0.017	7.775	0.011		1.064	0.020	G	1.03	0.02	H	7.8239	0.0013	0.011	76		7.81	7.84		C			1							S
72443	8.551	0.011	8.453	0.014		0.108	0.015	G	0.07	0.01	L	8.4786	0.0017	0.014	93		8.46	8.50		C			1							
72444											T	12.1777	0.0499	0.450	136		11.28	12.53	0.50	P 1 A			1	S						D
72445	10.855	0.073	9.843	0.049	*	0.872	0.069	T	0.88	0.05	L *	10.0597	0.0034	0.022	45	*	10.02	10.09		C	14488−3535	I 1	2 C	A	AB	291	0.318	0.044	1.47	0.51	G
72446	8.681	0.011	7.478	0.007		1.029	0.010	T	1.00	0.01	L	7.5312	0.0009	0.011	115		7.51	7.55		C			1							S
72447	7.371	0.009	6.874	0.008	*	0.458	0.012	G	0.53	0.01	H *	6.9136	0.0010	0.007	69	*	6.91	6.93		D	14489+0557	I 1	2 C	A	AB	286	0.649	0.004	0.02	0.01	S
72448	9.934	0.031	8.537	0.017		1.179	0.029	T	1.14	0.03	L	8.5734	0.0019	0.015	63		8.55	8.60		C			1							
72449	6.102	0.005	6.132	0.006		−0.025	0.007	T	0.00	0.01	L	6.1482	0.0008	0.005	50		6.14	6.16		C			1							S
72450	10.309	0.029	9.829	0.031		0.500	0.020	G	0.57	0.02	H	9.8336	0.0027	0.017	95		9.80	9.86		C			1							
72451	10.886	0.041	10.421	0.045		0.438	0.056	T	0.51	0.06	L	10.5260	0.0049	0.039	105		10.47	10.59					1							
72452	10.428	0.028	8.781	0.013		1.378	0.024	T	1.35	0.03	L	8.7783	0.0023	0.020	150		8.74	8.81					1							
72453	9.132	0.012	8.730	0.013		0.380	0.016	T	0.44	0.02	L	8.7699	0.0021	0.020	128		8.74	8.80					1							S
72454	9.677	0.021	7.834	0.010		1.533	0.018	T	1.58	0.04	L	7.7603	0.0017	0.011	66		7.75	7.79					1							S
72455	7.740	0.006	7.183	0.006	*	0.521	0.006	G	0.59	0.01	H *	7.2386	0.0011	0.012	142	*	7.22	7.26		D	14490−5807	H 1	2 C S	B	AB	243	0.116	0.021	1.72	0.83	S
72456	9.382	0.016	8.722	0.014		0.602	0.016	T	0.67	0.01	L	8.7826	0.0016	0.014	91		8.75	8.80		C			1							
72457	9.795	0.020	9.389	0.021		0.384	0.027	T	0.45	0.03	L	9.4287	0.0021	0.020	123		9.39	9.46					1							
72458	9.259	0.011	8.513	0.009		0.682	0.011	T	0.74	0.01	L	8.6032	0.0017	0.019	176		8.57	8.64		C			1							S
72459	7.854	0.010	7.668	0.012		0.188	0.009	G	0.21	0.01	H	7.6895	0.0021	0.012	43		7.68	7.71		C			1							S
72460	10.510	0.038	10.273	0.051		0.140	0.015	G	0.15	0.01	H	10.4265	0.0040	0.029	88		10.38	10.48		C			1							D
72461	10.212	0.028	9.818	0.030		0.437	0.036	G	0.51	0.04	H	9.8192	0.0023	0.022	105		9.77	9.87		C			1							
72462	9.971	0.026	8.544	0.014		1.217	0.015	G	1.18	0.01	H	8.5697	0.0015	0.014	100		8.53	8.60					1							
72463	12.045	0.122	10.667	0.057	A	1.447	0.197	G	1.79	0.88	I *	10.6010	0.0040	0.036	152	*	10.54	10.65			14491+4058	H 1	2 C	B	AB	89	1.392	0.033	2.28	0.12	G
72464	8.746	0.010	8.405	0.011	*	0.323	0.014	T	0.37	0.02	L *	8.4437	0.0015	0.012	99	*	8.42	8.47		D	14491+0756	H 1	2 C	A	AB	359	0.425	0.018	2.48	0.09	S
72465	8.729	0.016	8.292	0.016		0.402	0.015	G	0.47	0.02	H	8.3436	0.0014	0.011	54		8.33	8.36					1							S
72466	9.141	0.014	7.920	0.009		1.043	0.013	T	1.01	0.01	L	7.9676	0.0010	0.010	120		7.95	7.99					1							S
72467	8.710	0.010	8.211	0.010		0.469	0.013	T	0.54	0.01	L	8.2705	0.0012	0.011	108		8.25	8.29		C			1							S
72468	8.964	0.011	7.202	0.005		1.469	0.010	T	1.48	0.01	L	7.1631	0.0012	0.014	130		7.14	7.19					1							S
72469	6.590	0.003	6.192	0.003		0.389	0.004	T	0.45	0.00	L	6.2393	0.0007	0.008	144		6.22	6.25					1							S
72470	12.029	0.171	10.578	0.070		1.552	0.197	G	2.45	0.82	I	10.6656	0.0055	0.037	88		10.60	10.74					1							G
72471	7.672	0.007	6.342	0.004		1.107	0.039	G	1.11	0.02	A	6.3810	0.0010	0.008	102		6.37	6.39		C			1							S
72472	10.465	0.037	9.115	0.020		1.144	0.033	T	1.11	0.03	L	9.1419	0.0026	0.019	82		9.12	9.17		C			1							
72473	10.387	0.058	9.122	0.033		1.078	0.052	T	1.04	0.04	L	9.2505	0.0036	0.024	44		9.22	9.29					1							
72474	9.937	0.031	9.362	0.028		0.537	0.037	T	0.61	0.04	L	9.4314	0.0022	0.015	48		9.41	9.47					1							
72475	9.283	0.013	7.949	0.008		1.132	0.012	T	1.10	0.01	L	8.0001	0.0012	0.013	121		7.98	8.02					1	S						S
72476											T	12.7894	0.4015			B				D	14492−4214	I 2	1 C F	D						D
72477	10.790	0.056	10.228	0.052	A	0.526	0.068	T	0.60	0.07	L	10.2514	0.0417	0.046	59	A	10.16	10.32		D	14492−4214	I 2	1 C P	D						G D
72478	8.122	0.011	7.560	0.015	*	0.528	0.015	G	0.60	0.02	H *	7.6282	0.0010	0.010	49	*	7.61	7.65		D	14492−1050	I 1	2 C	A	AB	297	0.323	0.010	1.29	0.08	S
72479	9.540	0.020	8.534	0.014	*	0.866	0.007	G	0.91	0.01	H *	8.5632	0.0017	0.013	79	*	8.54	8.58		C	14492+1013	I 1	2 C S	A	BA	108	0.155	0.012	0.09	0.72	
72480	8.451	0.009	6.837	0.004		1.347	0.009	G	1.33	0.03	C	6.8281	0.0010	0.009	114		6.81	6.85		C			1							S
72481	9.931	0.020	9.336	0.019		0.510	0.015	G	0.58	0.02	H	9.4165	0.0020	0.018	155		9.38	9.45		C			1							
72482	8.597	0.009	6.801	0.005		1.495	0.008	T	1.52	0.01	L	6.7180	0.0010	0.011	169		6.70	6.73			14493−5924	I 1	1	S						S
72483	10.472	0.032	9.215	0.018		1.084	0.003	G	1.05	0.00	H	9.2588	0.0023	0.021	116		9.22	9.29					1							
72484	9.973	0.035	9.418	0.033		0.525	0.036	T	0.60	0.04	L	9.4881	0.0026	0.021	50		9.45	9.53					1							
72485	9.866	0.029	8.367	0.015		1.261	0.026	T	1.22	0.03	L	8.3800	0.0017	0.010	51		8.36	8.40		D			1	S						
72486	8.812	0.012	8.200	0.010	*	0.570	0.014	T	0.64	0.01	L *	8.2383	0.0017	0.015	122	*	8.22	8.27		C	14493+4950	H 1	2 C	B	AB	354	0.986	0.034	3.45	0.12	S
72487	6.322	0.003	5.815	0.003		0.482	0.002	G	0.55	0.00	H	5.8715	0.0006	0.006	136		5.86	5.88		C			1							S
72488	7.357	0.006	5.840	0.004		1.275	0.006	T	1.23	0.01	L	5.8411	0.0019	0.010	83		5.83	5.86		M	14493−2415	I 1	1							S
72489	5.644	0.017	5.599	0.018	A	0.066	0.005	G	0.08	0.01	H *	5.3339	0.0006	0.005	79	*	5.33	5.34		D	14493−1409	I 1	2 C	A	AB	2	1.924	0.002	1.03	0.01	S
72490	9.895	0.023	9.235	0.020		0.602	0.023	T	0.67	0.02	L	9.3071	0.0024	0.023	132		9.26	9.35					1							
72491	10.115	0.039	8.144	0.015		1.634	0.033	T	1.66	0.03	L	8.0310	0.0023	0.012	54		8.00	8.07		U			1							S
72492	8.450	0.011	7.835	0.009	*	0.617	0.015	G	0.69	0.01	H *	7.8855	0.0015	0.014	120	*	7.87	7.91			14494−5726	H 1	2 C	B	AB	210	0.438	0.028	3.17	0.13	S
72493	8.354	0.008	7.410	0.006	A	0.836	0.003	G	0.88	0.00	H *	7.4028	0.0012	0.013	201	*	7.38	7.43		D	14494−6714	I 1	2 C	A	AB	249	1.524	0.011	2.18	0.03	S
72494	7.781	0.005	7.161	0.005		0.577	0.006	T	0.65	0.01	L	7.2158	0.0012	0.014	227		7.20	7.24					1							S
72495	9.256	0.012	8.647	0.011		0.567	0.014	T	0.64	0.01	L	8.7066	0.0015	0.020	167		8.67	8.74					1							S
72496	7.642	0.010	7.159	0.011		0.455	0.015	G	0.52	0.02	H	7.2039	0.0013	0.009	57		7.19	7.23		C			1							S
72497	9.932	0.019	8.579	0.011	A	1.100	0.495	G	1.11	0.03	L *	8.5306	0.0014	0.017	163	*	8.50	8.56		D	14494−5927	I 1	2 C	A	AB	7	3.079	0.012	2.79	0.07	
72498	9.883	0.046	9.481	0.049		0.380	0.062	T	0.44	0.07	L	9.5260	0.0041	0.023	45		9.50	9.56					1							
72499	8.269	0.012	6.771	0.006		1.260	0.011	T	1.22	0.01	L	6.8003	0.0008	0.006	82		6.79	6.81					1							S
72500	10.236	0.029	9.024	0.017		1.036	0.026	T	1.01	0.02	L	9.0550	0.0021	0.021	150		9.01	9.09					1	S						

Number	Descriptor: epoch J1991.25					Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)																						Soln	
HIP	RA	Dec	V			α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ $\alpha*$	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$										F1	F2
	h m s	±° ′ ″	mag			deg	deg	mas	mas/yr		mas		mas	mas/yr																						%	
1 2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28										29	30
72501	14 49 27.65	−19 54 12.9	7.19	1	H	222.365 204 34	−19.903 592 64	4.69	2.57	4.08	0.77	0.52	0.85	0.86	0.68	−28	−21	−17	+36	−12	+ 6	−15	+ 1	+22	−33										2	−1.49
72502	14 49 28.05	+05 32 27.7	9.27		H	222.366 861 60	+05.541 041 26	2.26	−1.58	−15.02	1.48	0.96	1.80	1.77	1.12	−32	−44	− 8	−15	−21	+36	−17	−23	+13	−15										0	0.83
72503	14 49 28.22	−47 47 51.6	8.03		H	222.367 562 58	−47.797 667 43	1.54	21.43	5.90	0.80	0.78	1.20	1.00	1.25	−42	−23	−18	+ 7	+ 9	−44	− 6	− 5	+31	−54										0	0.40
72504	H 14 49 28.27	+45 16 50.1	10.70		G	222.367 779 71	+45.280 592 64	A 13.18	−162.65	−0.03	12.44	11.02	13.56	12.89	14.06	+17	+ 2	+ 6	−19	− 1	+11	+ 1	−26	+15	+23										3	1.74
72505	14 49 28.74	+19 30 37.4	6.91		H	222.369 739 14	+19.510 383 33	7.82	−46.63	−6.87	0.56	0.54	0.78	0.69	0.62	−17	−12	−13	+30	+ 9	−20	+ 4	+11	+ 8	−26										0	−0.98
72506	14 49 28.75	−36 02 34.7	9.28		H	222.369 799 73	−36.042 983 79	3.15	−2.00	0.51	1.27	1.20	1.65	1.38	1.52	−27	−13	−37	+ 0	+ 9	−19	− 1	−10	+26	−44										0	0.38
72507	14 49 31.75	−59 07 54.1	8.52		H	222.382 291 45	−59.131 693 52	20.07	−131.20	−48.77	0.83	0.62	1.15	1.14	1.20	+ 8	− 8	− 5	− 2	+23	−15	+22	−16	+27	−23										0	−0.62
72508	14 49 32.37	+51 22 28.2	6.49	1	H	222.384 864 34	+51.374 497 76	A 19.41	15.19	2.19	0.62	0.58	0.67	0.55	0.54	+ 0	−17	− 3	− 6	+ 2	− 2	+ 1	−10	− 1	−26										2	0.44
72509	14 49 32.69	−26 06 40.2	12.07		G	222.386 188 49	−26.111 177 61	B 221.80	−1421.60	−203.60	158.74	114.52	69.07	82.33	61.18	−28	+ 0	−30	+ 6	+ 1	+ 1	+ 2	−22	− 4	−21										0	5.77
∗72510	14 49 33.77	−56 25 38.5	9.27		H	222.390 716 43	−56.427 351 10	0.54	−6.93	−3.14	1.05	1.05	1.64	1.27	1.25	+ 2	−40	+ 1	+ 7	+ 9	−34	+ 8	−11	+ 4	+20										0	−0.24
∗72511	14 49 33.51	−26 06 21.7	11.72		G	222.389 638 76	−26.106 033 70	A 235.24	−1389.70	135.76	26.05	18.06	22.43	28.92	20.39	−22	+10	−30	+ 5	− 3	+ 1	− 2	−20	− 4	−12										0	5.77
72512	14 49 34.91	−44 17 32.2	9.78		H	222.395 438 03	−44.292 267 49	3.87	5.45	0.00	1.43	1.19	2.03	1.70	1.65	−16	−17	−30	− 1	+ 9	−36	− 9	− 3	+22	−10										0	−0.84
72513	14 49 35.08	+46 34 29.6	7.53		H	222.396 168 36	+46.574 886 53	13.30	95.69	−159.42	0.53	0.53	0.67	0.63	0.65	+ 8	+ 1	+ 0	−14	− 4	+ 2	− 2	+18	+ 4	− 1										0	0.38
72514	14 49 35.12	−43 43 20.4	8.65		H	222.396 318 82	−43.722 334 81	7.77	−34.57	−21.04	1.08	0.95	1.42	1.59	1.24	− 5	−12	−21	−15	+ 5	−34	− 8	− 8	+16	+15										0	0.84
72515	14 49 35.51	+39 27 58.5	8.27		G	222.397 956 83	+39.466 237 64	7.10	−20.28	23.48	0.55	0.65	0.84	0.68	0.74	+14	+ 8	−18	+13	− 1	−16	− 4	+24	−17	+12										1	0.80
72516	14 49 35.56	−44 31 56.0	9.49		H	222.398 182 51	−44.532 219 26	2.30	−34.79	−16.98	1.00	0.97	1.56	1.34	1.46	−51	+ 7	−14	+ 7	+ 9	−27	+11	− 1	+ 6	−19										0	0.11
72517	14 49 36.38	−51 31 15.1	10.17		H	222.401 589 85	−51.520 868 86	4.70	−35.17	−27.03	1.36	1.17	1.80	1.75	1.62	− 7	−17	−11	+23	+37	− 3	+35	−22	+13	− 9										3	0.97
72518	14 49 37.06	−68 56 10.2	6.50	1	H	222.404 422 70	−68.936 157 86	3.83	−9.73	−13.35	0.37	0.47	0.61	0.47	0.59	+27	−10	+ 7	+ 5	+ 5	− 3	+ 5	+ 7	− 6	+43										0	0.07
72519	14 49 37.72	−54 30 45.1	9.67		G	222.407 167 85	−54.512 537 69	4.56	4.81	−1.73	1.23	1.15	1.66	1.58	1.51	− 7	−23	− 1	+ 9	+15	+ 5	+17	+ 1	− 8	− 1										0	−0.83
72520	14 49 38.03	+44 52 55.7	8.49		H	222.408 439 72	+44.882 126 30	3.75	−32.15	30.65	0.71	0.75	0.96	0.83	0.89	+ 9	−21	− 8	+ 1	− 9	+ 9	−12	−15	+20	+ 7										0	−0.49
72521	14 49 38.43	+01 30 16.2	7.60		H	222.410 143 72	+01.504 486 44	4.25	−33.82	−1.25	1.11	0.96	1.21	1.70	1.27	+ 3	−29	−29	+ 1	−19	− 2	−18	+46	−32	+32										0	1.55
72522	14 49 38.91	−28 26 29.5	9.76		H	222.412 135 92	−28.441 517 44	10.47	−75.67	−34.24	1.42	0.93	1.52	2.02	1.30	−20	− 8	+ 8	−22	−14	−15	−18	−14	− 2	+36										0	1.23
72523	14 49 41.23	+15 35 12.7	10.71		H	222.421 784 48	+15.586 854 64	5.86	−26.94	16.93	1.96	1.58	2.39	2.25	1.59	+ 6	−25	−43	−45	−23	+27	−13	−17	+ 9	− 8										0	0.93
72524	H 14 49 41.36	+48 43 14.0	5.68		G	222.422 339 56	+48.720 562 84	A 14.22	−76.93	99.13	0.91	0.85	0.87	0.95	0.78	+ 9	− 6	+ 0	+ 7	−13	+ 4	−17	−15	− 4	−21										7	1.53
72525	14 49 41.60	−18 56 31.6	8.59		H	222.423 332 13	−18.942 101 57	0.84	1.17	−10.70	0.96	0.66	1.07	1.11	0.83	−26	−21	−10	+13	−15	+ 2	−18	− 7	+11	−30										0	0.32
72526	14 49 42.02	+48 31 53.0	9.27		H	222.425 088 38	+48.531 395 14	5.49	−38.70	−29.41	0.77	0.76	0.96	1.01	0.84	+ 0	+ 2	− 2	+10	− 9	− 1	−11	− 5	+ 6	−26										1	0.29
72527	H 14 49 42.18	+07 59 12.3	6.96		G	222.425 765 75	+07.986 762 00	A 5.42	−24.54	−4.06	1.77	1.34	1.88	1.65	1.43	−55	− 9	−21	−11	−13	−17	−22	− 9	+56	−55										1	0.84
72528	14 49 43.00	+23 01 56.5	7.12		H	222.429 161 15	+23.032 350 44	19.86	52.41	−6.51	0.57	0.49	0.78	0.70	0.64	− 8	−11	− 7	+12	− 6	−11	+ 2	+28	−10	−46										0	0.48
72529	14 49 44.30	+03 52 15.0	7.36		H	222.434 589 93	+03.870 830 95	5.32	−39.85	−35.27	0.90	0.61	0.99	0.95	0.75	−33	−33	− 3	+13	−27	+20	−27	− 3	+ 0	−30										0	−0.52
72530	14 49 45.23	+58 49 48.4	8.66		H	222.438 440 82	+58.830 123 04	16.11	−66.46	100.59	0.64	0.73	0.74	0.67	0.82	+19	− 8	− 7	−15	−10	+ 6	−11	−28	+12	+20										1	−1.24
72531	14 49 46.15	−09 12 09.0	7.65		G	222.442 285 30	−09.202 495 24	13.26	−68.14	−1.56	0.97	0.75	1.09	1.27	1.15	−17	−22	−21	+38	− 9	−17	−19	+16	+29	−35										0	0.59
72532	14 49 46.93	−53 26 53.2	9.34		G	222.445 521 81	−53.448 124 48	2.09	−5.61	−8.38	0.96	0.83	1.31	1.01	1.08	− 3	−31	−16	+ 0	+14	− 9	+12	− 6	+ 6	− 9										0	−0.27
72533	14 49 47.20	−52 44 41.3	7.17		H	222.446 675 66	−52.744 816 59	4.04	−4.56	−9.68	0.58	0.53	0.82	0.58	0.70	−13	−38	−11	− 1	+13	−19	+ 7	−14	+10	−31										0	1.35
72534	14 49 48.08	+10 29 34.5	7.09		H	222.450 315 07	+10.492 916 72	7.28	−28.64	−25.43	0.72	0.67	0.89	0.77	0.78	−37	−24	−15	+10	−36	+29	−32	+26	− 7	−54										0	−1.50
72535	14 49 48.62	+06 48 59.2	9.68		H	222.452 594 64	+06.816 445 60	7.78	58.78	−55.92	1.30	1.11	1.49	1.65	1.33	−45	+ 3	−10	−11	+ 3	−19	+ 7	−38	+ 8	−33										0	−1.34
72536	14 49 49.28	−32 25 37.4	6.85		H	222.455 325 76	−32.427 056 29	7.41	60.81	−48.57	0.83	0.56	1.03	0.91	0.84	−29	−15	+ 1	+16	+ 6	+10	+ 7	−16	+32	−12										0	1.83
72537	14 49 50.25	−47 16 55.9	9.75		H	222.459 393 68	−47.282 195 53	8.56	−56.38	−12.28	1.19	1.28	1.87	1.53	1.74	−47	+14	−44	−13	+16	−20	+ 6	+ 2	+ 3	−29										0	0.89
72538	14 49 50.77	+36 35 39.2	8.64		H	222.461 558 03	+36.594 208 45	2.35	−33.82	10.48	0.59	0.67	0.89	0.69	0.76	+17	− 6	−15	− 5	+ 1	+ 7	+ 3	−13	−17	+12										1	−0.75
72539	14 49 50.95	−41 25 53.1	9.53		H	222.462 274 16	−41.431 428 35	2.93	8.77	1.08	1.24	1.06	1.55	1.23	1.20	+ 7	−31	−34	+ 2	+ 6	− 4	− 2	− 4	+24	− 8										0	0.49
∗72540	14 49 51.28	+64 34 50.2	8.51		G	222.463 658 59	+64.580 622 37	10.92	−15.91	−25.82	0.63	0.65	0.70	0.67	0.76	+ 4	− 5	−19	−29	+ 6	−14	+ 7	− 6	+ 8	+ 1	−11										0	0.73
∗72541	H 14 49 51.14	−44 26 54.6	9.92		H	222.463 078 46	−44.448 490 12	A 2.37	−21.85	−27.81	2.44	2.24	3.38	2.92	2.92	−64	− 1	− 5	+ 0	+13	−45	+20	−13	+14	−17										1	0.10
72542	14 49 52.00	−63 11 28.0	10.33		H	222.466 663 41	−63.191 113 80	1.99	−19.77	−11.17	0.83	1.11	1.67	1.04	1.31	+15	− 4	+ 2	+50	+17	−15	+22	+15	− 4	+28										0	0.01
72543	14 49 52.17	+10 49 44.6	10.47		H	222.467 392 05	+10.829 066 19	6.74	2.89	10.53	1.39	1.33	1.73	1.53	1.62	−30	−15	−23	− 8	−15	+17	−14	− 6	+ 1	−51										0	−0.19
72544	14 49 52.64	−57 20 47.6	7.77		H	222.469 341 63	−57.346 543 92	−0.04	−11.81	−7.10	0.73	0.52	0.93	0.76	0.78	+15	−44	−13	+31	+19	−22	+11	− 8	+12	− 2										0	−0.39
72545	14 49 53.60	+65 32 48.6	8.29		H	222.473 335 11	+65.546 827 28	11.96	−57.17	171.24	0.53	0.62	0.65	0.58	0.68	+ 3	−15	−17	− 6	− 2	− 4	+ 0	+ 0	−18	−16										0	0.50
72546	14 49 54.38	+02 02 57.6	10.16		G	222.476 580 38	+02.049 320 79	2.43	3.29	−14.74	1.66	1.46	1.96	2.42	1.93	−10	−11	−21	+23	+ 1	−29	− 3	+38	−41	+25										0	1.30
72547	14 49 54.95	−29 20 37.5	10.41		G	222.478 945 90	−29.343 744 85	4.81	9.43	−19.30	1.68	1.03	1.87	2.05	1.43	−23	− 7	+ 4	+22	− 4	+19	+ 6	−10	+18	+16										0	−0.67
72548	14 49 55.68	−24 13 11.7	8.43		H	222.481 983 27	−24.219 927 35	8.11	−20.53	−12.37	0.91	0.64	1.03	1.06	0.88	−30	−22	− 1	+ 4	−19	− 4	−24	− 3	+11	−35										0	0.36
72549	14 49 56.24	+27 38 21.7	10.50		H	222.484 313 03	+27.639 374 37	4.20	20.72	−60.47	1.35	1.19	1.98	1.53	1.58	−14	−30	−10	−21	+ 5	+15	+27	+14	−37	−55										0	0.81
72550	14 49 56.28	+24 43 13.7	6.77		H	222.484 489 49	+24.720 472 21	6.16	−37.64	5.27	0.63	0.52	0.92	1.06	0.75	+14	−19	−32	+33	+28	−41	+ 5	+ 7	+20	−47										2	−0.16
72551	14 49 57.64	−29 02 04.8	7.19		H	222.490 167 68	−29.034 655 93	5.53	−57.42	9.11	0.82	0.53	0.97	1.12	0.79	−28	−12	+ 8	+10	− 5	+24	+ 0	−11	+25	+18										0	1.06
72552	14 49 58.39	+28 36 57.0	5.80		G	222.493 276 59	+28.615 833 41	11.06	18.80	−0.72	0.42	0.45	0.65	0.41	0.51	− 3	−13	− 6	−34	−19	+16	− 5	+22	−26	−29										0	0.71
72553	14 49 59.11	−13 30 31.0	7.98		H	222.496 298 69	−13.508 615 13	11.45	−62.11	−9.99	0.95	0.64	1.01	1.25	0.87	−41	+ 4	−21	+15	−35	+ 6	−33	+ 0	+ 1	−23										0	−0.31
72554	14 49 59.32	+57 54 51.5	8.04		H	222.497 171 13	+57.914 311 38	2.71	−14.26	0.62	0.60	0.67	0.70	0.70	0.77	+16	−10	−16	−19	−18	+ 6	−17	−32	+ 2	+22										0	−0.04
72555	14 50 00.63	+12 20 08.5	8.28		H	222.502 622 99	+12.335 682 78	12.49	17.76	−82.66	0.93	0.77	1.08	1.11	0.96	+12	− 9	−17	−39	−35	+12	−34	−18	+19	+ 6										0	0.05
72556	14 50 01.05	−62 19 50.7	7.40		H	222.504 370 32	−62.330 747 85	2.93	−5.25	−5.03	0.54	0.52	0.80	0.62	0.64	+26	−17	− 4	+40	+ 8	−16	+11	+16	− 9	+40										1	−0.17
72557	H 14 50 03.76	−07 09 52.4	8.35		H	222.515 679 63	−07.164 559 38	A 6.36	−24.08	−33.06	1.44	1.20	1.48	1.64	1.42	−17	−26	−18	+23	−13	+ 3	−13	+15	+20	− 7										1	0.16
72558	14 50 05.02	−38 32 01.2	8.40		H	222.520 909 90	−38.533 661 12	1.81	−9.03	5.28	1.00	0.83	1.12	1.02	1.05	−11	−28	−11	+30	− 8	− 8	− 4	+31	−18	−19										0	1.54
72559	14 50 05.60	−37 23 54.9	7.85		G	222.523 341 87	−37.398 593 03	15.52	−80.26	−119.01	0.80	0.75	1.02	0.85	0.90	−12	−28	−32	− 2	− 5	+ 7	− 3	+ 2	− 2	−26										0	3.79
72560	14 50 07.79	−16 24 23.1	8.65		H	222.532 453 02	−16.406 407 16	5.19	−42.06	−0.20	1.07	0.75	1.23	1.32	0.90	−35	−15	−22	+31	−25	+30	−15	+16	−17	−35										0	0.43
72561	14 50 07.97	+00 50 28.1	11.05		G	222.533 207 67	+00.841 131 33	7.01	−286.20	−101.01	2.41	1.79	2.43	2.93	2.15	+14	−22	−25	+39	+ 6	+11	+12	+34	− 7	+19										0	−0.24
72562	14 50 13.25	−21 31 34.6	8.94		H	222.555 190 33	−21.526 284 50	10.90	−36.46	−121.96	0.92	0.67	1.11	1.05	0.81	−25	−25	−22	+18	− 3	+13	− 3	−15	+23	−20										0	−0.42
72563	14 50 13.65	+52 24 51.0	7.14		H	222.556 862 48	+52.414 159 46	18.31	−33.13	91.83	0.48	0.45	0.57	0.49	0.45	+ 3	− 8	− 7	−10	− 9	− 1	− 8	− 7	− 7	−21										0	1.23
72564	14 50 14.45	−44 09 25.5	9.03		H	222.560 220 49	−44.157 074 83	7.70	46.06	8.50	1.09	0.94	1.57	1.31	1.24	−29	−13	−17	− 3	+15	−35	+10	−14	+10	− 8										0	1.16
72565	14 50 14.45	−22 34 19.0	8.65		H	222.560 227 85	−22.571 951 97	4.01	−13.68	−3.09	0.90	0.59	1.04	1.04	0.76	− 8	−24	−25	+ 4	−10	+15	−12	−21	+22	−14										0	1.57
72566	14 50 15.65	−07 51 52.8	8.71	2	H	222.565 210 94	−07.864 656 63	0.58	1.42	−13.61	1.26	0.88	1.33	1.39	1.09	− 2	−42	−18	+21	−11	− 6	−13	+32	+ 3	− 8										0	−0.58
72567	14 50 15.72	+23 54 42.4	5.86	1	G	222.565 495 08	+23.911 765 38	55.73	144.73	32.42	0.50	0.42	0.80	0.82	0.66	− 4	−14	−33	+14	+15	−41	+ 2	+ 6	+15	−64										0	−0.67
72568	14 50 15.80	−30 56 50.2	10.51		H	222.565 835 79	−30.947 270 51	2.64	−46.88	−6.73	3.51	2.31	3.92	4.52	3.53	−24	−13	−10	+10	− 8	+15	− 5	− 6	+ 1	−10										0		
72569	14 50 16.10	−58 58 36.2	6.85		G	222.567 063 51	−58.976 734 52	0.93	−3.05	−3.92	0.65	0.48	0.88	0.93	0.86	+22	−13	−11	+21	+33	−12	+27	− 4	+33	+ 4										0	0.04
72570	14 50 16.61	+16 48 19.7	9.20		G	222.569 228 62	+16.805 473 21	3.75	32.47	−13.51	1.08	0.93	1.33	1.38	1.00	− 4	−33	−29	− 4	−36	+17	−25	+ 7	− 6	−17										0	−1.04
72571	14 50 17.47	−27 57 36.8	4.42		H	222.572 777 90	−27.960 219 25	10.68	−237.37	−62.37	0.78	0.49	0.83	1.28	0.75	−17	− 8	+11	−15	−16	−22	−11	−23	− 5	+40										0	0.55
72572	14 50 18.24	−52 23 07.1	7.78		H	222.575 979 90	−52.385 318 94	−0.11	−4.25	−9.35	0.59	0.58	0.89	0.65	0.78	− 8	−34	−16	+ 7	+19	−11	+13	−14	+12	−24										2	0.66
72573	14 50 19.63	+82 30 45.0	5.63		H	222.581 780 99	+82.512 487 01	23.08	177.66	−223.33	0.44	0.48	0.50	0.51	0.55	− 4	+ 1	−15	+25	− 8	+15	− 6	+26	−10	−13										3	0.79
72574	14 50 19.99	−02 14 43.3	9.73		H	222.583 281 93	−02.245 355 31	2.66	15.68	−10.39	1.63	1.49	1.74	1.83	1.69	−21	+14	−42	+26	+38	− 9	+42	−34	+35	−15										0	−2.17
72575	14 50 20.56	+73 01 40.0	7.64		H	222.585 652 23	+73.027 774 12	4.57	13.68	2.65	0.51	0.60	0.62	0.54	0.67	+16	−23	−35	+ 6	− 6	+ 5	− 3	+13	− 9	+ 7										0	−0.80
∗72576	14 50 21.34	+71 49 59.9	8.91		H	222.588 920 78	+71.833 305 98	3.24	−3.02	11.33	0.77	0.80	0.89	1.12	0.93	+16	−18	−41	− 5	+ 1	− 5	− 2	− 6	+ 2	+ 4										0	1.49
∗72577	14 50 21.32	+06 48 54.3	9.08		G	222.588 831 98	+06.815 091 59	32.53	−621.09	−66.70	1.39	1.25	1.56	1.74	1.47	−56	+31	−31	−31	+25	−35	+24	−55	+19	−44										0	2.14
72578	14 50 21.93	+65 38 45.0	6.98	1	H	222.591 392 49	+65.645 823 86	1.64	−27.15	4.44	0.46	0.50	0.54	0.53	0.56	+ 4	−10	−22	− 2	−11	− 5	− 8	+11	− 8	−20										0	0.91
72579	14 50 27.13	+09 24 30.5	9.24		H	222.613 043 37	+09.408 482 88	6.45	6.14	9.62	1.21	1.00	1.53	1.18	1.21	−29	−34	+ 8	− 9	−31	+24	−40	+21	+21	−35										0	−0.98
72580	14 50 29.55	+17 10 31.5	9.69		H	222.623 144 08	+17.175 405 79	8.66	12.01	0.96	1.02	0.98	1.42	1.29	1.12	−31	+ 3	−21	+46	− 2	+ 2	− 3	+ 9	−23	−29										0	−0.52
72581	14 50 29.65	+80 44 59.3	7.20		H	222.623 559 53	+80.749 816 94	5.58	−40.23	21.01	0.45	0.50	0.52	0.47	0.55	− 7	− 8	−15	− 2	+ 1	+ 2	+ 4	+ 9	− 7	−22										3	1.94
72582	14 50 29.80	+37 16 18.5	5.47		H	222.624 175 99	+37.271 815 11	16.31	−212.26	95.24	0.39	0.43	0.61	0.44	0.48	+19	+ 6	−13	+ 2	− 8	− 2	− 9	− 1	−12	+16										0	−0.58
72583	14 50 30.30	−67 29 51.4	7.47	2	H	222.626 254 73	−67.497 617 11	3.40	−2.92	−1.24	0.58	0.71	1.09	0.68	0.90	+30	+ 0	+ 1	−18	− 4	−23	− 5	+15	−23	+37										2	0.00
72584	14 50 30.57	−35 05 35.9	8.08		H	222.627 373 71	−35.093 298 99	5.78	−17.03	−21.05	0.90	0.96	1.37	0.92	1.06	−14	−19	−57	− 9	+ 8	− 9	− 1	−20	+29	−45										0	−0.08
72585	H 14 50 30.98	−70 32 06.4	8.12		H	222.629 077 83	−70.535 121 82	A 8.34	−76.54	−12.86	1.54	1.79	2.11	1.51	1.85	+16	−22	+ 4	+ 9	+10	− 3	+10	+21	− 8	+31										0	−2.30
72586	14 50 31.47	+29 57 37.5	11.35		H	222.631 106 06	+29.960 407 53	5.52	−191.07	77.37	2.12	1.87	2.88	2.14	2.26	− 1	−39	−13	−53	− 5	+36	+ 8	−17	−10	−32										0	1.89
72587	14 50 31.99	−57 09 09.1	8.47		H	222.633 281 33	−57.152 526 83	−1.84	0.09	−8.84	0.80	0.73	1.13	0.94	0.93	+ 8	−38	−24	+37	+21	−28	+ 9	−12	+22	+ 2										0	−0.42
72588	14 50 32.52	−67 30 03.6	8.52		H																																
72589	14 50 32.85	−70 32 18.0	8.28		H	222.636 863 31	−70.538 344 35	B 8.34	−76.54	−12.86	7.38	8.20	2.11	1.51	1.85	+15	− 5	− 6	+10	− 1	− 3	− 1	+ 1	− 8	+31										0	−2.30
72590	H 14 50 33.13	−00 01 27.3	8.15		H	222.638 024 49	−00.024 245 11	A 9.07	−18.68	58.05	3.26	2.56	2.81	3.68	2.43	−21	−36	−18	+51	− 7	−17	−18	+41	+31	−36										7	0.06
72591	H 14 50 34.12	−40 23 23.8	8.43		H	222.642 154 67	−40.389 953 87	A 0.59	−19.00	−19.93	2.19	2.10	2.20	1.91	1.98	+28	−19	−23	− 4	+ 2	+ 3	+ 5	+ 1	+11	−14										0	−0.23
72592	14 50 34.17	−66 15 33.6	7.71	2	H	222.642 371 81	−66.259 323 60	2.74	−7.66	−11.35	0.38	0.57	0.78	0.44	0.72	+27	−10	+ 4	+ 3	+24	− 8	+21	+37

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
72501	7.479	0.006	7.215	0.007		0.251	0.009	T	0.28	0.01	L	7.2623	0.0008	0.009	92		7.25	7.28		M			1							S
72502	10.620	0.046	9.350	0.027		1.082	0.042	T	1.04	0.03	L	9.4346	0.0024	0.020	71		9.41	9.47		C			1							
72503	9.578	0.021	8.160	0.012		1.198	0.019	T	1.16	0.02	L	8.1942	0.0016	0.014	96		8.16	8.22					1							
72504	11.971	0.130	11.005	0.090	A	1.110	0.015	G	1.19	0.02	I *	10.8535	0.0051	0.038	113	*	10.78	10.91		D	14495+4517	M 1	2 C D	AB	180	7.333	0.052	1.31	0.56	G D
72505	6.958	0.006	6.918	0.007		0.042	0.009	T	0.06	0.01	L	6.9278	0.0008	0.007	102		6.92	6.94		C			1							S
72506	11.570	0.121	9.483	0.031		1.727	0.100	T	1.75	0.10	L	9.3817	0.0040	0.025	57		9.33	9.42		C			1							
72507	9.294	0.013	8.592	0.011		0.648	0.003	G	0.71	0.00	H	8.6557	0.0014	0.017	163		8.62	8.68					1							
72508	6.948	0.004	6.524	0.004	A	0.401	0.006	T	0.47	0.01	L	6.5807	0.0052	0.014	107	A	6.57	6.61		M	14495+5122	I 1	2 C A	AB	91	15.248	0.018	3.21	0.10	S
72509						1.524	0.020	G	2.25	0.14	I	12.3140	0.3687			B				D	14495−2606	I 2	1 C I C							G
72510	9.785	0.024	9.329	0.025		0.443	0.069	G	0.51	0.07	H	9.3709	0.0022	0.021	74		9.33	9.41		C			1							
72511						1.480	0.015	G	2.06	0.00	A	11.8102	0.2596	0.107	79	A	11.62	11.93		D	14495−2606	I 2	1 C P C							D G
72512	11.160	0.082	9.848	0.040		1.114	0.071	T	1.08	0.07	L	9.9524	0.0041	0.028	77		9.92	10.00					1							G
72513	8.160	0.009	7.591	0.007		0.532	0.010	T	0.60	0.01	L	7.6421	0.0012	0.012	137		7.62	7.66		C	14496+4634	I 1	1							S
72514	8.977	0.025	8.676	0.027		0.300	0.015	G	0.34	0.02	H	8.7219	0.0027	0.016	53		8.70	8.75					1							
72515	8.821	0.010	8.305	0.009		0.490	0.015	G	0.56	0.02	H	8.3815	0.0011	0.016	159		8.35	8.41		C			1							S
72516	9.928	0.024	9.549	0.026		0.347	0.005	G	0.41	0.01	H	9.5754	0.0022	0.023	111		9.53	9.62					1							
72517	10.859	0.047	10.214	0.041		0.599	0.054	T	0.67	0.05	L	10.2964	0.0044	0.034	107		10.24	10.34		C			1							G
72518	6.360	0.003	6.476	0.003		−0.101	0.004	T	−0.08	0.01	L	6.4677	0.0010	0.012	169		6.45	6.49		M			1							S
72519	11.000	0.056	9.784	0.031		1.030	0.015	G	1.00	0.01	I	9.8630	0.0039	0.027	90		9.81	9.90					1							G
72520	9.733	0.018	8.576	0.012		0.986	0.017	T	0.97	0.01	L	8.6363	0.0016	0.018	133		8.60	8.68		C			1							
72521	9.577	0.033	7.751	0.015		1.519	0.029	T	1.55	0.04	L	7.7186	0.0026	0.014	45		7.69	7.74					1							S
72522	10.672	0.055	9.783	0.040		0.777	0.052	T	0.81	0.04	L	9.8977	0.0023	0.026	81		9.84	9.94		C			1							
72523	11.319	0.073	10.660	0.064		0.602	0.072	T	0.67	0.06	L	10.8406	0.0052	0.041	63		10.77	10.90		C			1							G
72524	6.218	0.006	5.695	0.004	*	0.501	0.026	G	0.57	0.03	H *	5.7747	0.0007	0.006	116	*	5.76	5.79		D	14497+4843	I 1	2 C A	AB	45	2.776	0.002	0.36	0.01	S
72525	10.068	0.032	8.703	0.018		1.156	0.029	T	1.12	0.03	L	8.7581	0.0017	0.014	87		8.73	8.78		C			1							
72526	9.947	0.024	9.310	0.021		0.592	0.028	T	0.66	0.03	L	9.3950	0.0027	0.021	105		9.36	9.43		C			1							S
72527	7.868	0.009	7.097	0.007	*	0.710	0.006	G	0.76	0.01	H *	7.1111	0.0008	0.009	103	*	7.10	7.13		D	14497+0759	I 1	2 C A	AB	246	0.648	0.002	0.54	0.01	S
72528	7.651	0.006	7.168	0.006		0.455	0.008	T	0.52	0.01	L	7.2255	0.0010	0.010	133		7.21	7.24					1							S
72529	8.819	0.012	7.478	0.007		1.137	0.011	T	1.10	0.01	L	7.5288	0.0011	0.011	94		7.51	7.54					1							S
72530	9.499	0.016	8.722	0.014		0.707	0.017	T	0.76	0.01	L	8.8058	0.0018	0.015	109		8.79	8.83		C			1							
72531	8.239	0.011	7.698	0.011		0.518	0.015	G	0.59	0.02	H	7.7606	0.0020	0.011	47		7.73	7.77					1							S
72532	9.358	0.016	9.300	0.022		0.114	0.015	G	0.13	0.01	H	9.3538	0.0028	0.025	104		9.32	9.40					1							
72533	7.263	0.004	7.183	0.006		0.079	0.007	T	0.09	0.01	L	7.2022	0.0011	0.010	126		7.18	7.22		C			1							S
72534	7.216	0.007	7.111	0.009		0.102	0.011	T	0.12	0.01	L	7.1362	0.0008	0.008	88		7.12	7.15		C			1							S
72535	10.368	0.042	9.739	0.038		0.585	0.049	T	0.66	0.04	L	9.8082	0.0023	0.019	72		9.77	9.84		C			1							
72536	8.214	0.011	6.969	0.008		1.062	0.011	T	1.03	0.01	L	7.0178	0.0009	0.007	76		7.00	7.03		D			1							S
72537	10.328	0.033	9.825	0.034		0.473	0.043	T	0.54	0.05	L	9.8518	0.0026	0.025	90		9.81	9.89		C			1							G
72538	8.796	0.009	8.650	0.010		0.140	0.013	T	0.15	0.01	L	8.6872	0.0015	0.020	166		8.65	8.72					1							S
72539	9.965	0.027	9.553	0.028		0.403	0.032	T	0.47	0.04	L	9.6254	0.0026	0.019	64		9.59	9.65		C			1							
72540	9.028	0.015	8.518	0.014		0.486	0.015	G	0.56	0.02	H	8.5971	0.0012	0.011	105		8.58	8.62		C	14499+6435	I 1	1							S
72541	10.655	0.041	10.097	0.040	A	0.732	0.126	G	0.78	0.11	R *	10.0596	0.0026	0.022	109	*	10.03	10.11		D	14499−4427	I 1	2 C A	AB	263	1.719	0.015	1.76	0.06	G
72542	10.660	0.028	10.358	0.034		0.287	0.041	T	0.33	0.05	L	10.4034	0.0028	0.037	219		10.33	10.46					1							G
72543	11.092	0.061	10.549	0.060		0.480	0.072	G	0.55	0.08	R	10.5776	0.0036	0.028	82		10.54	10.63		C			1							
72544	7.921	0.008	7.800	0.010		0.117	0.012	T	0.13	0.01	L	7.8192	0.0013	0.012	119		7.80	7.84		C			1							S
72545	8.916	0.012	8.346	0.011		0.533	0.014	T	0.61	0.01	L	8.4046	0.0013	0.013	131		8.39	8.43		C			1							S
72546	10.516	0.054	10.229	0.065		0.460	0.020	G	0.53	0.02	H	10.2575	0.0044	0.026	46		10.20	10.33		C			1							
72547	10.853	0.050	10.383	0.054		0.470	0.020	G	0.54	0.02	H	10.5289	0.0053	0.031	91		10.46	10.58					1							G
72548	8.926	0.013	8.484	0.013		0.424	0.020	G	0.49	0.02	H	8.5252	0.0018	0.011	83		8.50	8.55		C			1							S
72549	11.260	0.068	10.602	0.058		0.574	0.072	G	0.65	0.07	R	10.6244	0.0042	0.038	110		10.56	10.71					1							G
72550	6.791	0.004	6.767	0.004		0.027	0.005	T	0.04	0.00	L	6.7885	0.0009	0.009	123		6.78	6.80					1							S
72551	8.827	0.013	7.334	0.008		1.256	0.012	T	1.21	0.01	L	7.3496	0.0015	0.011	87		7.34	7.37			14500−2902	I 1	1							S
72552	5.878	0.003	5.800	0.003		0.046	0.004	G	0.06	0.00	H	5.8214	0.0006	0.007	161		5.81	5.85			14500+2837	I 1	1							S
72553	8.448	0.010	8.029	0.010		0.432	0.015	G	0.50	0.02	H	8.0802	0.0013	0.012	97		8.06	8.10					1							S
72554	9.323	0.015	8.140	0.010		1.014	0.014	T	0.99	0.01	L	8.2086	0.0013	0.013	118		8.19	8.23		C			1							S
72555	8.981	0.016	8.347	0.014		0.589	0.015	G	0.66	0.01	H	8.4071	0.0016	0.015	84		8.38	8.44		C			1							S
72556	7.371	0.005	7.396	0.007		−0.018	0.008	T	0.00	0.01	L	7.4010	0.0015	0.012	148		7.38	7.42			14500−6220	I 1	1							S
72557	9.094	0.018	8.517	0.016	A	0.600	0.495	G	0.64	0.03	L *	8.4695	0.0022	0.011	55	*	8.45	8.49		D	14501−0710	I 1	2 C A	AB	90	3.461	0.014	2.61	0.07	S
72558	9.673	0.025	8.505	0.016		1.002	0.023	T	0.98	0.02	L	8.5673	0.0017	0.014	63		8.54	8.59		D			1							
72559	8.439	0.016	7.926	0.013		0.495	0.015	G	0.57	0.02	H	7.9653	0.0018	0.012	60		7.95	7.98			14501−3724	I 1	1							S
72560	9.132	0.020	8.724	0.021		0.399	0.024	T	0.46	0.03	L	8.7457	0.0020	0.015	70		8.71	8.77		C			1							
72561						0.413	0.028	G	0.48	0.03	H	11.1273	0.0065	0.032	40		11.04	11.19					1							G
72562	9.822	0.025	9.005	0.020		0.721	0.024	T	0.77	0.02	L	9.0756	0.0020	0.014	84		9.06	9.10		C			1							
72563	7.788	0.006	7.208	0.006		0.542	0.008	T	0.62	0.01	L	7.2624	0.0010	0.009	129		7.24	7.28		C			1							S
72564	9.708	0.028	9.067	0.025		0.589	0.028	T	0.66	0.03	L	9.1587	0.0026	0.018	86		9.12	9.20					1							
72565	9.087	0.018	8.694	0.018		0.340	0.020	G	0.40	0.03	H	8.7310	0.0019	0.011	66		8.71	8.75		C			1							
72566	10.956	0.075	9.028	0.025		1.600	0.063	T	1.62	0.07	L	8.8229	0.0178	0.093	58		8.71	8.96		U 2			1 S							P
72567	6.590	0.004	5.939	0.003		0.576	0.016	G	0.67	0.07	F	5.9949	0.0010	0.011	148		5.98	6.01		U 2			1							S
72568	12.025	0.142	10.508	0.054		1.275	0.119	T	1.23	0.12	L	10.6791	0.0051	0.043	111		10.57	10.73					1 X S							G
72569	8.291	0.008	6.987	0.005		1.108	0.007	T	1.07	0.01	L	6.9572	0.0010	0.009	160		6.94	6.97					1							S
72570	9.637	0.022	9.261	0.024		0.370	0.020	G	0.43	0.02	H	9.2955	0.0021	0.018	74		9.26	9.33		C			1							
72571	6.216	0.005	4.576	0.003		1.366	0.050	G	1.43	0.02	A	4.5608	0.0008	0.006	77		4.55	4.57					1							S
72572	7.793	0.008	7.789	0.009		0.008	0.011	T	0.03	0.01	L	7.7947	0.0011	0.011	121		7.77	7.81		C			1							S
72573	6.461	0.004	5.710	0.003		0.671	0.004	T	0.73	0.00	L	5.7644	0.0009	0.006	116		5.76	5.78		C			1							S
72574	10.350	0.063	9.822	0.062		0.495	0.080	T	0.57	0.08	L	9.8401	0.0035	0.023	52		9.80	9.87					1							
72575	7.748	0.007	7.657	0.009		0.116	0.015	G	0.13	0.01	H	7.6814	0.0011	0.009	107		7.67	7.70		C			1							S
72576	10.153	0.026	9.010	0.017		0.983	0.024	T	0.96	0.02	L	9.0736	0.0020	0.015	92		9.05	9.10		C			1							
72577	10.319	0.038	9.202	0.024		0.957	0.003	G	1.03	0.01	A	9.2157	0.0026	0.019	72		9.19	9.25		C			1							
72578	9.083	0.012	7.163	0.006		1.594	0.011	T	1.61	0.01	L	7.0923	0.0015	0.016	132		7.06	7.12		U 2			1							S
72579	10.148	0.029	9.307	0.022		0.756	0.028	T	0.80	0.02	L	9.3928	0.0025	0.024	83		9.34	9.44					1							
72580	10.289	0.034	9.725	0.032		0.528	0.042	T	0.60	0.04	L	9.8095	0.0025	0.020	92		9.77	9.85					1							
72581	7.231	0.005	7.194	0.006		0.041	0.004	G	0.06	0.00	H	7.2164	0.0009	0.007	123		7.20	7.24		C			1							S
72582	6.798	0.003	5.595	0.002		1.030	0.002	G	1.10	0.06	F	5.6364	0.0006	0.007	161		5.63	5.65					1							S
72583	8.496	0.008	7.534	0.006		0.410	0.510	G	0.85	0.02	L	7.6209	0.0126	0.128	189		7.40	7.71	3.07	P 1 A	14505−6730	I 2	1 S							S P
72584	8.246	0.011	8.093	0.013		0.147	0.016	T	0.16	0.02	L	8.1302	0.0020	0.012	50		8.12	8.15		C			1							S
72585	9.169	0.013	8.447	0.011	*	0.703	0.096	G	0.71	0.02	L *	8.2549	0.0050	0.064	152	–	8.19	8.38		D	14505−7032	I 2	2 C P B	AC	296	0.795	0.007	1.39	0.05	G
72586						1.111	0.005	G	1.19	0.01	I	11.4804	0.0067	0.062	120		11.36	11.58					1							G
72587	8.687	0.013	8.496	0.014		0.183	0.018	T	0.20	0.02	L	8.5279	0.0018	0.014	95		8.50	8.55		C			1							
72588											T	8.6524	0.0687	0.692	175		7.75	9.82		D	14505−6730	I 2	S							S G
72589	10.228	0.027	9.557	0.024	B	0.591	0.072	G	0.66	0.07	R	8.4062	0.0385	0.258	153	–	8.21	9.31		D	14505−7032	I 2	1 C F B							G
72590	8.632	0.027	8.181	0.027	*	0.425	0.035	T	0.49	0.04	L *	8.2410	0.0018	0.013	45	*	8.21	8.26		D	14506−0001	I 1	2 C A	AB	145	4.064	0.006	0.33	0.02	S
72591	9.860	0.028	8.714	0.018	A	1.100	0.495	G	0.94	0.03	L *	8.5952	0.0020	0.013	63	*	8.57	8.61		D	14506−4023	I 1	2 C A	AB	267	1.294	0.010	0.80	0.02	
72592	7.603	0.007	7.653	0.008		−0.041	0.010	T	−0.02	0.01	L	7.7017	0.0030	0.090	276		7.51	7.74		U 2 C			1							S P
72593	10.100	0.021	9.035	0.014	A						T *	9.0610	0.0017	0.019	166	*	9.03	9.09		D	14506−4508	I 1	2 C A	AB	286	4.118	0.034	3.01	0.10	
72594	9.094	0.016	7.404	0.008		1.412	0.014	T	1.39	0.02	L	7.4094	0.0013	0.010	74		7.39	7.43		C			1							S
72595	9.314	0.016	8.143	0.011		1.004	0.015	T	0.98	0.01	L	8.1816	0.0021	0.016	102		8.16	8.21		C			1							
72596	7.672	0.010	7.170	0.010		0.472	0.013	T	0.54	0.01	L	7.2280	0.0012	0.008	52		7.21	7.24					1							S
72597	11.261	0.047	9.835	0.021		1.204	0.040	T	1.16	0.04	L	9.8605	0.0027	0.042	213		9.79	9.92		U			1 S							G
72598	10.612	0.037	10.062	0.035	*	0.515	0.046	T	0.59	0.05	L *	10.1118	0.0027	0.028	131	*	10.06	10.16		D	14506+4326	I 1	2 C A	AC	31	0.210	0.009	0.02	0.22	
72599	11.870	0.111	10.928	0.074		0.831	0.099	T	0.85	0.07	L	10.8248	0.0048	0.041	136		10.76	10.89					1							G
72600	8.061	0.011	7.515	0.009		0.507	0.013	G	0.58	0.01	H	7.5741	0.0015	0.010	64		7.56	7.60		C			1							S

Number HIP 1 2	Descriptor: epoch J1991.25 RA h m s 3	Dec ±° ′ ″ 4	V mag 5 6 7	Position: epoch J1991.25 α (ICRS) deg 8	δ deg 9 10	Par. π mas 11	Proper Motion $\mu_{\alpha*}$ mas/yr 12	μ_δ mas/yr 13	Standard Errors α* mas 14	δ 15	π mas 16	$\mu_{\alpha*}$ mas/yr 17	μ_δ 18	Astrometric Correlations (%) 19 20 21 22 23 24 25 26 27 28	Soln F1 % 29	F2 30
72601 H	14 50 40.18	−66 29 10.2	8.37 H	222.667 420 24	−66.486 163 31 *	3.69	−6.78	−10.58	0.51	0.77	1.09	0.63	0.91	+35 − 6 + 1 + 7 +23 −12 +20 +32 −12 +50	0	−0.26
72602	14 50 41.08	−55 25 15.3	8.58 H	222.671 183 36	−55.420 924 00	2.45	−9.38	−3.14	0.88	0.79	1.22	1.12	0.99	+ 6 −36 + 6 +28 + 3 −22 + 7 +11 − 4 +18	0	0.23
*72603	14 50 41.26	−15 59 49.5	5.15 H	222.671 932 19	−15.997 092 26	42.26	−135.93	−59.47	0.76	0.57	1.04	0.94	0.62	−26 −24 −41 +24 −22 +38 − 6 + 0 −14 −36	2	2.06
*72604	14 50 41.25	+22 54 28.0	7.50 H	222.671 879 90	+22.907 764 07	26.79	−432.93	−60.85	0.58	0.53	0.88	0.81	0.77	− 9 + 1 −14 +17 + 0 −24 + 4 +27 + 5 −57	0	0.78
72605	14 50 41.44	−52 15 52.7	8.75 1 H	222.672 669 39	−52.264 637 30	−0.10	−1.36	−3.34	0.78	0.71	1.10	0.89	1.00	−10 −34 −14 + 6 +13 −13 + 8 − 6 +10 −25	0	−0.26
72606	14 50 42.15	−08 13 27.7	8.19 H	222.675 638 13	−08.224 353 51	11.18	−12.35	22.48	0.98	0.76	1.01	1.06	0.92	−18 −29 − 2 +24 −21 − 5 −20 +28 − 4 −20	0	0.68
72607	14 50 42.40	+74 09 19.7	2.07 1 H	222.676 647 51	+74.155 475 96	25.79	−32.29	11.91	0.44	0.49	0.52	0.45	0.57	+20 −31 −28 − 5 − 6 +15 − 1 − 2 − 3 +17	3	0.85
72608	14 50 43.20	−46 17 36.6	8.49 H	222.679 997 11	−46.293 486 65	4.60	−18.17	−11.93	0.76	0.70	1.07	0.95	1.23	−35 −15 −17 + 5 − 7 −27 −16 +15 +22 −47	0	0.54
72609	14 50 43.64	+34 12 31.3	10.59 H	222.681 839 90	+34.208 693 23	5.03	−57.43	0.18	0.90	1.47	1.92	1.05	1.68	+34 −13 −12 +12 −12 −14 −13 − 4 −11 +28	0	3.20
72610	14 50 43.97	−55 00 33.3	7.12 H	222.683 224 20	−55.009 255 46	2.12	4.84	0.68	0.63	0.58	0.83	0.71	0.76	+ 0 −28 − 4 +11 + 9 − 1 +11 + 7 − 9	2	0.06
72611	14 50 44.24	+13 57 40.6	9.14 H	222.684 318 64	+13.961 276 45	12.07	24.86	−16.53	1.22	1.01	1.42	1.37	1.04	+16 −24 −38 −35 −52 +35 −40 − 5 − 9 − 5	0	−1.34
72612	14 50 46.67	+51 31 43.7	7.94 H	222.694 438 16	+51.528 800 42	1.82	7.36	−32.16	0.65	0.54	0.72	0.67	0.57	+ 4 − 3 − 6 −14 − 4 − 7 − 4 −10 − 2 −24	0	1.77
72613	14 50 48.55	+57 24 39.2	7.78 H	222.702 299 09	+57.410 876 96	2.46	−41.26	32.81	0.60	0.62	0.68	0.66	0.71	+17 −14 −14 −25 −16 + 9 −16 −20 − 1 +18	0	−0.38
72614	14 50 49.15	−03 09 01.7	10.64 G	222.704 778 73	−03.150 484 08	15.90	−264.53	−107.44	1.94	2.52	3.63	2.07	1.86	+25 −39 −81 +17 +14 −11 + 2 −13 +19 −22	0	2.07
72615	14 50 49.26	+30 25 45.7	8.50 H	222.705 266 92	+30.429 349 56	3.00	−16.59	−7.98	0.76	0.86	1.13	0.97	0.98	− 6 − 5 −27 −16 − 8 +23 − 3 −18 −13 −36	0	1.87
72616	14 50 50.26	−60 17 10.3	9.84 2 H	222.709 408 53	−60.286 202 89	−0.63	−1.86	0.82	1.49	1.04	1.87	1.78	1.76	+28 −34 −10 +34 +28 − 3 +20 + 8 +25 +22	0	2.61
72617	14 50 50.78	−53 22 05.7	6.56 H	222.711 583 66	−53.368 240 67	6.76	−15.66	−31.56	0.55	0.47	0.73	0.50	0.57	− 4 −41 −10 − 3 +10 −10 + 8 − 1 + 6 −26	0	−1.39
72618	14 50 51.80	−04 08 00.9	7.86 H	222.715 826 87	−04.133 587 75	10.33	−86.11	25.74	1.00	1.01	1.31	1.18	1.04	−10 − 2 −60 +24 +21 − 5 +20 −33 +24 −19	0	0.53
72619	14 50 51.92	+04 22 21.1	9.84 G	222.716 350 21	+04.372 515 51	1.87	13.52	−8.08	1.54	1.21	1.63	1.68	1.39	−55 −13 − 4 +25 −17 +18 − 9 −18 − 8 −44	0	−1.39
72620	14 50 52.08	+37 22 42.0	9.50 H	222.717 018 45	+37.378 330 29	7.90	−28.38	−3.07	0.80	0.90	1.22	0.93	0.98	+20 +11 − 8 + 4 − 8 + 3 −11 −12 − 5 + 3	0	0.58
72621	14 50 52.54	+25 25 37.1	10.55 H	222.718 906 76	+25.426 985 36	0.47	2.86	−17.58	1.38	1.08	1.93	1.87	1.56	− 8 + 7 −23 + 7 + 0 +11 − 2 + 6 −27 −51	0	−0.15
*72622	14 50 52.78	−16 02 29.8	2.75 G	222.719 905 36	−16.041 610 47	42.25	−105.69	−69.00	0.73	0.59	1.05	0.87	0.62	−25 −27 −44 +13 −24 +43 + 4 + 3 −17 −32	0	0.82
*72623	14 50 52.76	+44 26 04.3	10.92 H	222.719 844 59	+44.434 522 16	7.03	22.49	−206.58	1.23	1.23	1.62	1.49	1.67	+15 −11 −13 − 6 +10 + 0 +10 + 3 + 2 +22	0	0.06
72624	14 50 54.73	+62 46 49.7	7.72 H	222.728 051 44	+62.780 460 97	4.63	−4.60	−5.65	0.57	0.63	0.67	0.61	0.83	+ 8 −21 −14 −15 − 5 − 2 − 9 −12 +16 −10	0	−0.21
72625	14 50 55.84	+67 19 09.8	11.38 3 H	222.732 665 03	+67.319 392 26	18.24	−114.91	106.16	3.56	3.70	4.00	3.59	3.93	+ 4 −14 −22 −22 − 2 − 5 − 1 − 6 − 2 − 9	1	
72626	14 50 58.35	−01 26 04.9	10.10 H	222.743 110 36	−01.434 701 26	8.94	20.51	3.76	2.20	2.02	3.22	2.44	2.45	+ 5 −43 −53 +38 +35 −40 − 8 −28 +53 −40	0	1.79
72627	14 50 58.73	−42 49 20.8	6.84 G	222.744 703 15	−42.822 456 36	7.80	−22.21	−22.77	0.88	0.66	0.92	0.94	0.88	+ 7 +10 −10 −42 −26 −31 −33 +14 −25 + 5	0	1.57
72628	14 50 58.88	+32 57 53.1	9.21 H	222.745 313 55	+32.964 748 69	6.74	−30.47	−19.50	0.55	0.77	1.18	0.65	0.83	+23 − 7 −13 +15 − 8 −10 − 9 + 7 − 3 + 8	0	−0.43
72629	14 51 00.11	−00 15 27.0	6.18 H	222.750 473 49	−00.257 507 38	7.18	−32.08	6.89	0.84	0.74	0.91	0.87	0.86	−21 −34 − 7 +31 − 9 + 1 − 8 +29 − 1 −23	0	−0.64
72630	14 51 00.67	−36 23 06.4	9.23 H	222.752 779 11	−36.385 111 89	6.06	−19.82	−15.33	1.17	1.23	1.57	1.30	1.73	−38 −28 −25 +14 + 6 −28 −10 − 4 +34 −68	0	−0.18
72631	14 51 01.02	−02 17 55.9	4.93 H	222.754 250 52	−02.298 849 95	15.09	87.63	−123.64	0.89	0.73	1.09	1.03	0.91	+ 7 − 6 −44 +45 +32 −13 +24 −12 +47 − 1	0	−1.15
72632	14 51 01.86	−39 40 50.0	8.10 H	222.757 759 43	−39.680 551 72	1.09	−20.22	−30.95	0.85	0.74	1.00	0.90	0.83	−11 −25 − 2 + 5 − 7 − 8 − 9 +18 − 1 + 4	0	−0.77
72633	14 51 02.27	−61 55 57.2	8.89 H	222.759 446 40	−61.932 567 08	5.28	−46.39	1.85	0.99	0.80	1.31	1.10	0.98	+36 −29 + 6 + 3 −20 −26 −20 + 4 − 4 +53	0	0.44
72634 H	14 51 02.44	+09 43 24.7	7.40 G	222.760 176 41	+09.723 532 10 A	36.73	−216.26	57.80	1.18	0.87	1.26	1.20	1.06	−11 − 3 −31 − 2 −47 +25 −47 + 8 +13 −30	3	0.05
72635	14 51 02.55	−00 01 36.6	8.40 H	222.760 617 59	−00.026 840 87	4.53	−12.66	26.34	1.31	1.06	1.26	1.44	1.24	− 6 −24 − 7 +51 + 7 +10 +10 +38 − 5 + 0	0	−0.14
72636	14 51 02.61	−86 23 41.1	7.69 H	222.760 870 78	−86.394 745 42	1.58	−4.62	3.51	0.56	0.54	0.63	0.62	0.65	+ 8 + 0 + 0 −17 −11 − 8 − 9 +11 − 7 + 2	0	0.63
72637	14 51 02.85	+12 09 50.8	7.73 2 H	222.761 876 05	+12.164 113 17	2.38	−7.77	−5.08	0.87	0.71	1.02	1.03	0.89	− 4 + 1 − 3 −26 −27 + 8 −28 −12 + 8 − 8	0	1.37
*72638	14 51 03.44	−50 32 33.7	9.61 H	222.764 342 41	−50.542 698 44	2.29	−28.70	−17.31	0.98	0.95	1.50	1.25	1.22	+ 0 −31 −15 − 9 +16 − 2 +11 −42 +13 − 1	0	0.37
*72639 H	14 51 03.33	−37 05 49.4	9.06 G	222.763 866 96	−37.097 044 37 A	11.75	−64.37	−68.27	2.85	2.77	3.09	2.15	2.32	− 9 −11 −53 −15 + 2 −16 − 5 −14 +21 −23	0	−0.25
72640	14 51 03.68	−15 01 38.9	7.19 G	222.765 331 08	−15.027 473 55	3.43	−17.75	−1.62	0.82	0.59	0.91	1.03	0.70	−50 + 2 −22 +43 −31 +35 −22 +11 − 6 −43	0	0.37
72641	14 51 07.23	−45 53 34.5	10.18 H	222.780 111 76	−45.892 917 18	0.93	−13.64	−9.79	1.28	1.24	1.80	1.63	2.02	−43 − 3 −20 +27 − 6 − 9 − 4 +21 +13 −38	0	−0.08
*72642	14 51 08.04	+41 36 50.0	9.63 H	222.783 499 27	+41.613 894 41	5.35	18.26	−45.96	0.80	0.88	1.21	0.94	1.03	+17 + 1 −17 + 0 − 6 −27 − 8 +25 −24 + 8	2	2.16
*72643	14 51 08.02	−49 49 05.4	7.61 G	222.783 407 62	−49.818 163 50	5.25	−82.42	−72.30	0.66	0.61	1.02	0.85	0.84	− 6 −20 −29 +21 +20 −25 +12 −25 +27 −10	0	0.16
72644	14 51 08.66	+00 33 24.5	8.20 G	222.786 101 21	+00.556 804 55	7.37	−37.51	−9.32	2.21	1.12	1.23	2.41	1.31	+49 − 1 − 3 +85 +48 +20 +51 +64 − 3 +50	0	−2.16
72645	14 51 10.20	−18 55 07.6	8.25 H	222.792 518 63	−18.918 774 47	3.64	0.00	−63.59	0.87	0.64	1.01	1.06	0.83	−30 − 1 −31 +19 −19 +12 −18 − 2 + 5 −33	0	0.60
72646	14 51 10.58	+22 17 59.9	9.35 H	222.794 088 81	+22.299 958 51	6.00	2.15	−3.24	0.83	0.74	1.19	1.01	1.01	− 5 − 7 −11 +41 + 8 −18 − 1 +20 − 1 −47	1	0.57
72647	14 51 10.67	−75 31 43.3	8.85 H	222.794 449 46	−75.528 706 65	0.36	−8.84	−5.12	0.65	0.71	0.94	0.79	0.84	+13 + 2 +14 −16 + 7 −10 + 6 +18 +24 +21	0	0.63
72648	14 51 11.93	+00 08 44.2	10.42 G	222.799 725 85	+00.145 600 68	1.49	4.79	9.10	2.42	1.69	2.09	2.81	2.04	+ 8 − 6 − 9 +58 +18 +13 +23 +36 − 6 +15	0	0.30
72649	14 51 14.15	−63 15 13.3	9.53 H	222.808 958 19	−63.253 695 76	6.53	−49.86	−48.96	0.73	0.90	1.45	0.91	1.16	+13 −18 + 0 +44 +11 −18 +18 +12 − 7 +31	0	−0.68
72650	14 51 14.42	−13 36 25.3	7.72 H	222.810 068 72	−13.607 035 03	2.91	−15.71	1.27	0.92	0.65	1.08	1.26	0.89	−38 +12 −30 − 7 − 9 −13 − 7 −37 +27 −26	2	1.69
72651	14 51 14.62	+11 36 41.6	10.32 H	222.810 898 14	+11.611 543 59	7.20	−19.22	−10.79	1.38	1.27	1.70	1.46	1.40	−32 −20 −19 − 6 −12 +11 −12 −12 + 3 −43	2	0.92
72652	14 51 15.36	−23 51 33.5	7.50 H	222.814 007 37	−23.859 297 06	5.44	29.23	−34.51	0.84	0.56	0.97	0.92	0.71	−16 −28 −16 + 0 − 9 − 4 −15 −15 +13 −26	2	0.46
72653	14 51 16.03	+18 39 00.3	7.60 H	222.816 797 48	+18.650 087 57	2.18	−12.52	−101.06	0.58	0.61	0.87	0.65	0.70	−20 − 9 − 9 +17 − 2 − 8 − 4 + 9 + 3 −34	0	−1.33
72654 H	14 51 16.84	−47 24 21.2	7.35 H	222.820 179 16	−47.405 897 09 A	0.55	−14.31	−7.29	1.28	1.29	1.71	1.77	1.65	−41 +14 −52 −13 +25 −24 +12 + 3 −16 + 0	2	1.74
72655	14 51 21.69	−59 30 12.6	7.26 2 H	222.840 387 68	−59.503 497 44	4.34	−0.53	−14.42	0.67	0.53	0.94	0.86	0.97	+10 −33 −11 + 9 +22 −18 +12 −17 +22 −23	0	−0.98
72656	14 51 22.27	+13 41 34.2	8.68 H	222.842 778 17	+13.692 835 10	10.99	−31.13	21.01	1.19	0.89	1.16	1.27	1.01	+18 −18 −26 −41 −47 +21 −44 − 3 − 5 + 9	2	0.24
72657	14 51 22.30	−61 34 05.9	8.36 H	222.842 915 05	−61.568 292 18	5.61	−10.13	−50.91	0.83	0.66	1.10	0.89	0.81	+34 −23 + 4 +11 −15 −25 −18 +11 − 7 +49	1	−0.38
72658	14 51 22.56	−48 37 09.9	8.81 H	222.844 001 72	−48.619 416 24	0.94	−10.05	−12.57	0.93	1.19	1.27	1.20	1.83	−49 −10 −25 + 9 − 8 −12 − 6 +25 + 3 −65	0	2.74
72659 H	14 51 23.28	+19 06 02.3	4.54 1 H	222.847 017 56	+19.100 633 29 A	149.26	152.81	−71.28	0.70	0.68	0.76	0.64	0.70	−43 −10 − 3 +19 − 8 + 0 − 9 +10 + 4 −51	21	1.15
72660	14 51 23.77	−48 49 08.5	9.89 H	222.849 034 99	−48.819 027 30	2.62	17.39	1.57	1.30	1.38	1.78	1.63	2.18	−48 − 5 −20 − 1 + 7 −24 + 7 + 9 +12 −58	0	−0.82
72661	14 51 24.82	+04 37 35.8	10.03 G	222.853 402 70	+04.626 602 90	3.09	0.38	9.78	1.66	1.21	1.86	1.68	1.38	−46 −34 + 1 + 8 − 7 +19 + 2 −28 − 3 −36	5	1.45
72662 H	14 51 25.00	+44 36 34.1	8.03 G	222.854 173 18	+44.609 469 82 A	8.82	−9.41	22.87	1.03	1.01	1.19	1.08	1.12	+ 5 − 1 − 1 + 5 + 5 − 7 + 4 + 1 − 5 + 5	2	−0.69
72663	14 51 26.01	−02 27 25.4	8.47 H	222.858 361 92	−02.457 060 86	21.93	−8.17	−130.14	1.15	1.18	1.73	1.40	1.30	− 2 −20 −55 +31 +22 −16 + 6 −14 +43 −17	0	−0.99
72664	14 51 26.57	+59 17 37.1	5.48 H	222.860 727 95	+59.293 652 46	7.38	−120.89	136.99	0.42	0.47	0.48	0.43	0.55	+25 −15 − 7 −13 −13 + 0 −16 −25 + 4 +16	0	−0.90
72665	14 51 26.96	+40 41 57.8	9.52 H	222.862 339 13	+40.699 400 88	9.05	6.43	−6.85	0.74	0.80	1.05	0.89	0.94	+21 −12 −18 − 6 + 5 − 5 + 6 + 3 − 1 + 4	2	0.55
72666 H	14 51 27.55	+44 55 42.5	7.70 G	222.864 791 89	+44.928 483 52 A	17.45	−18.28	−31.74	1.49	1.64	1.62	1.38	1.85	+ 3 + 9 + 0 − 3 + 6 +14 + 7 + 5 +13 +17	2	0.46
72667	14 51 27.94	−47 40 59.4	8.95 H	222.866 428 59	−47.683 179 72	0.84	−5.08	−3.95	0.84	1.00	1.46	1.05	1.27	−36 − 1 −49 + 0 +13 −30 − 2 +10 + 0 −34	0	1.93
72668 H	14 51 28.19	−10 32 58.7	8.73 H	222.867 470 61	−10.549 645 84 A	8.67	−17.17	−23.87	2.81	1.71	2.63	3.38	2.44	−33 −27 −18 +55 −34 −26 −46 +14 +49 −55	1	−0.89
72669	14 51 28.57	+62 17 00.0	9.01 H	222.869 059 54	+62.283 343 10	12.65	−45.73	48.45	0.70	0.76	0.79	0.75	0.92	+ 7 − 7 −24 −29 − 2 + 8 − 2 −39 +22 − 1	0	0.41
72670	14 51 30.07	−77 10 33.4	6.44 H	222.875 303 30	−77.175 945 71	3.63	−14.27	−9.99	0.41	0.46	0.57	0.47	0.54	+11 −17 +10 + 9 +20 +13 +14 +27 +15 +24	1	0.93
72671 H	14 51 30.18	−74 55 59.1	6.83 H	222.875 741 15	−74.933 093 72 *	3.43	−10.00	−3.98	0.46	0.45	0.63	0.57	0.55	+ 5 −10 + 1 −16 +10 −11 + 5 +18 +11 +16	1	−0.57
72672	14 51 30.71	−47 04 59.8	8.00 H	222.877 945 15	−47.083 283 96	11.96	−44.66	−33.25	0.67	0.67	0.99	0.85	1.05	−37 − 4 −27 +10 + 1 −18 − 4 + 3 +21 −42	0	−0.31
72673	14 51 31.66	−60 55 51.8	7.16 H	222.881 906 11	−60.931 064 87	20.94	54.43	113.14	0.65	0.53	0.88	0.75	0.72	+27 −31 + 0 +22 − 1 − 8 − 5 +21 + 5 +46	1	−0.01
72674	14 51 32.53	+13 28 40.0	7.85 H	222.885 539 86	+13.477 765 88	4.97	−73.07	−84.18	1.03	0.76	1.03	1.12	0.91	+ 8 −12 −20 −39 −41 + 4 −42 −10 − 3 − 1	0	1.44
72675	14 51 34.03	+07 44 42.8	9.52 G	222.891 798 66	+07.745 209 16	13.23	−205.49	221.12	1.33	1.13	1.96	1.51	1.45	−31 −12 −34 −15 −23 +16 −26 −20 +36 −37	0	0.86
72676	14 51 34.12	−15 04 54.5	8.14 H	222.892 173 42	−15.081 811 13	0.50	1.31	−0.49	0.94	0.63	1.12	1.22	0.77	−42 + 2 −27 +40 −29 +40 −17 + 0 + 6 −30	0	1.24
72677	14 51 34.96	−17 47 24.2	6.55 H	222.895 685 69	−17.790 055 07	17.94	−13.54	−127.92	0.78	0.53	0.94	1.09	0.66	−33 + 4 −21 +18 −22 +34 −11 − 8 −20 −22	0	−0.51
72678	14 51 35.41	+05 38 25.4	10.98 G	222.897 556 13	+05.640 377 29	−2.43	9.37	−6.80	2.40	1.68	2.85	2.83	2.09	−51 −12 −15 − 3 − 5 +14 − 2 −41 +28 −37	0	−1.87
72679	14 51 36.35	+12 53 41.5	8.74 H	222.901 464 02	+12.894 848 51	9.37	−57.39	31.15	1.04	0.79	1.10	1.19	0.99	+11 + 5 − 5 −39 −38 + 7 −39 −13 + 1 + 7	0	0.13
72680	14 51 36.83	+26 07 35.6	9.52 2 H	222.903 447 59	+26.126 560 80	0.50	0.16	−25.57	1.11	0.98	1.57	1.25	1.28	− 4 −40 −30 −17 +10 + 4 +21 − 5 −25 −50	0	0.17
72681 H	14 51 37.58	+15 19 02.3	8.39 H	222.906 579 22	+15.317 297 40 A	21.83	−236.41	93.32	1.60	1.44	1.83	1.63	1.56	−23 + 0 −18 −15 −26 +23 −23 + 9 − 1 −33	2	1.95
72682	14 51 38.20	+39 06 11.9	7.84 H	222.909 174 47	+39.103 314 31	16.46	12.28	−27.90	0.56	0.60	0.80	0.64	0.68	+17 + 8 − 2 − 4 −11 −15 −11 +10 −17 + 4	0	0.43
72683 H	14 51 38.32	−43 34 31.1	4.32 1 G	222.909 680 50	−43.575 293 83 *	8.00	−24.79	−26.80	0.68	0.54	0.78	0.93	0.70	− 1 + 4 − 7 −15 −10 −32 −19 +16 −18 +26	0	0.16
72684	14 51 40.33	−30 52 41.2	8.24 H	222.918 031 98	−30.878 106 92 A	8.26	−57.73	−71.18	2.49	1.69	2.13	2.69	2.06	−25 −12 − 2 + 5 − 7 +19 − 3 −13 +15 + 6	2	0.41
72685	14 51 40.35	−30 53 05.2	9.35 H	222.918 112 41	−30.884 774 93 B	25.68	−68.41	−67.84	15.45	9.79	8.87	11.69	8.73	−24 −16 − 9 + 2 − 8 +12 − 5 −10 +10 + 3	2	0.41
72686	14 51 40.56	+53 44 54.6	8.48 G	222.919 009 64	+53.748 487 58	2.43	−8.66	−22.36	0.66	0.58	0.74	0.81	0.64	+ 4 − 1 − 2 − 4 −25 + 0 −19 + 6 −10 −30	0	−0.54
72687	14 51 40.58	+83 56 14.9	6.95 H	222.919 070 38	+83.937 478 04	2.83	−10.70	1.99	0.45	0.50	0.54	0.49	0.57	+ 9 −14 −12 + 2 − 3 + 1 − 1 +19 − 3 − 1	1	1.09
72688	14 51 41.07	−24 18 11.1	7.81 H	222.921 123 20	−24.303 083 56	58.96	−943.26	−431.74	0.91	0.60	1.05	1.05	0.78	−17 −21 −19 + 2 − 3 − 2 − 8 −25 +13 −26	0	0.45
72689	14 51 42.22	+19 05 21.3	8.48 2 H	222.925 912 18	+19.089 236 89	2.01	3.51	−5.28	0.73	0.81	1.05	0.85	0.94	−37 −11 + 0 +24 −11 − 8 −12 +15 + 2 −45	0	−1.75
72690	14 51 44.27	−60 29 54.3	8.94 G	222.934 472 08	−60.498 405 55	1.77	−1.81	0.20	0.90	0.71	1.20	1.23	1.25	+29 −27 −13 +13 + 9 + 4 + 4 − 6 +28 +33	0	0.21
72691	14 51 44.64	+60 04 09.3	11.80 3 H	222.936 006 25	+60.069 259 08	1.88	2.35	−32.09	1.50	1.51	1.60	1.71	1.86	+25 + 2 − 3 −26 −17 −12 −18 −23 − 9 +21	0	−1.66
72692	14 51 45.05	−20 36 51.1	7.61 H	222.937 708 36	−20.614 191 05	4.78	−7.98	12.32	0.80	0.58	0.96	0.95	0.70	−25 −19 −24 +20 −11 +18 − 9 − 9 +19 −24	0	−0.81
72693	14 51 45.13	+45 10 20.4	9.44 H	222.938 032 73	+45.172 320 40	8.98	−72.04	71.94	0.87	0.89	1.10	1.12	1.17	+ 3 − 3 − 5 + 0 − 3 + 2 − 4 +10 − 2 + 9	0	0.16
72694	14 51 45.96	+38 24 14.8	7.53 H	222.941 512 89	+38.404 106 73	5.68	−55.10	−63.62	0.55	0.56	0.79	0.60	0.63	+25 + 1 − 9 −11 −10 −18 −11 − 4 − 1 +17	0	−1.51
72695	14 51 46.33	+77 24 41.2	8.26 H	222.943 022 24	+77.411 450 40	2.86	−1.55	−2.72	0.56	0.69	0.68	0.56	0.80	− 1 − 8 −23 − 8 − 2 + 4 − 2 +21 −14 + 1	0	−0.65
72696	14 51 46.80	+49 05 53.4	8.40 H	222.945 008 42	+49.098 161 22	4.09	−16.23	−61.61	0.54	0.57	0.71	0.68	0.64	+15 −10 −21 + 4 −11 +23 − 7 − 1 − 8 −11	0	0.63
72697	14 51 47.33	−04 05 29.8	8.60 H	222.947 191 08	−04.091 607 69	4.22	−74.06	−18.29	1.20	1.25	1.59	1.38	1.26	−21 − 7 −58 +20 +22 − 8 +20 −32 +22 −33	0	−1.03
72698	14 51 47.75	+24 45 21.4	9.07 H	222.948 938 94	+24.755 944 20	3.90	−25.87	11.07	0.93	0.77	1.20	1.31	0.94	− 9 −14 −22 +24 +20 −16 +12 +11 −17 −38	0	−0.40
72699	14 51 48.91	−17 17 43.1	9.83 H	222.953 800 40	−17.295 314 24	−2.98	−10.97	−22.56	4.78	3.16	5.40	6.69	3.75	−28 + 7 −18 +16 −14 +22 − 4 −28 − 9 −16	0	
72700	14 51 50.95	−31 49 31.2	9.72 H	222.962 293 52	−31.825 321 89	2.71	8.43	−23.01	1.52	1.02	1.65	1.65	1.29	− 5 −19 −22 +26 − 2 + 6 − 2 + 4 + 9 −11	0	1.09

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data										Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
72601	8.427	0.006	8.370	0.007	*	0.051	0.008	T	0.06	0.01	L *	8.3960	0.0014	0.019	269	*	8.36	8.43			14507−6629	H 1	2 C S A	AB	110	0.141	0.005	0.15	0.36	
72602	10.104	0.032	8.726	0.018		1.166	0.029	T	1.13	0.03	L	8.7477	0.0022	0.014	81		8.72	8.78		C			1							
72603	5.617	0.004	5.190	0.005		0.401	0.007	G	0.48	0.02	A	5.2416	0.0004	0.003	73		5.23	5.25			14508−1602	I 2	1 G							S
72604	8.284	0.008	7.564	0.006		0.643	0.002	G	0.71	0.00	H	7.6306	0.0010	0.011	137		7.61	7.66					1							S
72605	9.132	0.015	8.791	0.016		0.375	0.037	G	0.44	0.04	H	8.8403	0.0030	0.027	114		8.80	8.88		U			1 S							D
72606	8.755	0.022	8.234	0.021		0.470	0.015	G	0.54	0.02	H	8.2888	0.0019	0.012	55		8.27	8.31					1							S
72607	4.015	0.003	2.238	0.003		1.465	0.005	G	1.46	0.03	C	2.2044	0.0008	0.008	99		2.19	2.22		M	14506+7410	I 1	1							S
72608	9.333	0.015	8.569	0.012		0.696	0.015	T	0.75	0.01	L	8.6303	0.0012	0.016	113		8.61	8.66		D			1							
72609	11.217	0.043	10.520	0.039		0.643	0.048	T	0.71	0.04	L	10.7134	0.0034	0.045	197		10.66	10.81					1 S							G
72610	9.234	0.015	7.326	0.007		1.584	0.013	T	1.60	0.01	L	7.2383	0.0012	0.010	101		7.22	7.25		C			1							S
72611	9.897	0.031	9.204	0.027		0.640	0.034	T	0.70	0.03	L	9.2724	0.0023	0.015	66		9.25	9.30		C			1							
72612	9.863	0.019	8.092	0.009		1.476	0.017	T	1.49	0.03	L	8.0685	0.0013	0.012	110		8.05	8.09		C			1							S
72613	9.529	0.017	7.915	0.009		1.352	0.015	T	1.32	0.02	L	7.9333	0.0014	0.013	125		7.91	7.96					1							S
72614	11.446	0.147	10.615	0.109		0.883	0.005	G	0.93	0.01	H	10.7417	0.0048	0.031	37		10.71	10.80					1							G
72615	9.883	0.020	8.627	0.012		1.071	0.018	T	1.04	0.01	L	8.6724	0.0018	0.021	121		8.64	8.71					1							
72616	10.696	0.041	10.037	0.037		0.611	0.047	T	0.68	0.04	L	9.9795	0.0042	0.044	140		9.91	10.06		U 2	14508−6017	I 1	1 S							G
72617	6.620	0.004	6.562	0.005		0.052	0.006	T	0.06	0.01	L	6.5797	0.0008	0.008	113		6.56	6.60					1							S
72618	9.127	0.018	7.980	0.012		0.986	0.017	T	0.97	0.01	L	8.0259	0.0022	0.014	56		8.00	8.04		C			1							S
72619	10.408	0.041	9.881	0.039		0.500	0.020	G	0.57	0.02	H	9.9448	0.0030	0.019	82		9.90	9.98					1							
72620	10.163	0.022	9.573	0.021		0.551	0.027	T	0.62	0.03	L	9.6233	0.0020	0.024	147		9.59	9.67		C			1							
72621	12.030	0.140	10.613	0.059		1.197	0.119	T	1.16	0.12	L	10.7140	0.0046	0.031	97		10.65	10.77		C			1							G
72622	2.957	0.002	2.770	0.003		0.147	0.005	G	0.16	0.02	A	2.7892	0.0004	0.003	64		2.78	2.80			14508−1602	I 2	1							S
72623	11.644	0.085	11.156	0.095		0.459	0.116	T	0.53	0.12	L	11.0222	0.0043	0.040	127		10.94	11.09					1							G
72624	8.946	0.014	7.821	0.009		0.969	0.013	T	0.95	0.01	L	7.8856	0.0013	0.012	108		7.87	7.91		C			1							S
72625											T	11.5165	0.0104	0.120	125		11.41	12.02		U 2 C	14509+6719	I 1	1 X S							D P
72626	10.951	0.090	10.463	0.091		0.950	0.020	G	0.94	0.01	H	10.2584	0.0042	0.029	39		10.22	10.32					1							S
72627	7.010	0.007	6.845	0.008		0.129	0.006	G	0.13	0.02	A	6.8778	0.0015	0.008	54		6.86	6.90					1							S
72628	9.883	0.015	9.256	0.013		0.583	0.017	T	0.65	0.02	L	9.3374	0.0019	0.026	225		9.29	9.38					1							
72629	8.030	0.013	6.337	0.005		1.397	0.007	G	1.37	0.01	H	6.3214	0.0015	0.009	52		6.31	6.34					1							S
72630	9.604	0.023	9.255	0.024		0.331	0.031	T	0.39	0.04	L	9.3119	0.0027	0.021	54		9.28	9.35					1							
72631	6.189	0.005	5.034	0.004		0.988	0.001	G	0.97	0.00	H	5.0912	0.0009	0.005	47		5.08	5.11					1							S
72632	9.517	0.023	8.252	0.014		1.078	0.021	T	1.04	0.02	L	8.2672	0.0016	0.016	62		8.24	8.29		C			1							
72633	10.425	0.031	8.990	0.016		1.210	0.029	T	1.17	0.03	L	9.0227	0.0020	0.020	146		8.99	9.05					1							
72634	8.316	0.014	7.451	0.008	*	0.760	0.015	G	0.80	0.01	H *	7.5179	0.0020	0.016	93	*	7.49	7.55		D	14510+0943	I 1	2 C A	AB	226	7.778	0.006	2.19	0.03	S
72635	9.608	0.030	8.488	0.020		0.965	0.028	T	0.95	0.02	L	8.5608	0.0024	0.015	50		8.54	8.59		C			1							
72636	9.651	0.017	7.866	0.008		1.487	0.015	T	1.51	0.02	L	7.8164	0.0016	0.013	128		7.79	7.84					1							S
72637	9.789	0.025	7.952	0.011		1.560	0.023	T	2.40	0.06	O	7.7616	0.0088	0.057	75		7.67	7.85		U 2			1							S P
72638	10.357	0.028	9.648	0.024		0.639	0.028	T	0.70	0.03	L	9.7417	0.0025	0.023	121		9.71	9.77			14511−5033	I 1	1 G							G
72639	10.324	0.048	9.295	0.032	*	0.810	0.015	G	0.85	0.01	H *	9.2108	0.0031	0.016	57	*	9.18	9.25		D	14511−3706	I 1	2 C A	AB	46	0.939	0.006	0.54	0.03	
72640	7.879	0.008	7.260	0.008		0.578	0.006	G	0.65	0.01	H	7.3044	0.0008	0.007	90		7.29	7.32		C			1							S
72641	10.578	0.038	10.245	0.044		0.316	0.054	T	0.36	0.07	L	10.2558	0.0036	0.030	116		10.19	10.31					1							G
72642	10.193	0.024	9.679	0.023		0.483	0.030	T	0.55	0.03	L	9.7336	0.0025	0.025	150		9.68	9.77		C			1							
72643	9.137	0.016	7.735	0.009		1.194	0.002	G	1.15	0.00	H	7.7755	0.0012	0.012	110		7.75	7.80		C			1							
72644	8.467	0.017	8.198	0.018		0.243	0.015	G	0.27	0.02	H	8.2580	0.0030	0.016	40		8.23	8.29					1							
72645	9.456	0.018	8.337	0.012		0.956	0.017	T	0.94	0.01	L	8.3963	0.0020	0.013	91		8.37	8.42		C			1							S
72646	9.956	0.020	9.408	0.020		0.513	0.025	T	0.59	0.03	L	9.4664	0.0019	0.018	127		9.43	9.52		C			1							
72647	8.890	0.011	8.854	0.014		0.038	0.016	T	0.05	0.01	L	8.8740	0.0023	0.019	136		8.84	8.91					1							
72648	11.058	0.077	10.496	0.076		0.470	0.015	G	0.54	0.02	H	10.5167	0.0061	0.034	47		10.47	10.56					1							
72649	10.215	0.019	9.610	0.018		0.563	0.019	T	0.64	0.02	L	9.6482	0.0022	0.026	207		9.61	9.69		C			1 S							G
72650	9.618	0.025	7.864	0.011		1.462	0.022	T	1.47	0.04	L	7.8539	0.0016	0.011	92		7.83	7.87		C			1							S
72651	10.823	0.065	10.264	0.064		0.391	0.072	G	0.46	0.08	R	10.4073	0.0036	0.028	83		10.35	10.48		C			1							
72652	8.787	0.013	7.611	0.008		1.008	0.012	T	0.98	0.01	L	7.6650	0.0015	0.011	86		7.65	7.68					1							S
72653	8.855	0.015	7.697	0.010		0.994	0.014	T	0.97	0.01	L	7.7635	0.0010	0.012	101		7.74	7.79					1							S
72654	8.893	0.020	7.456	0.011	*	1.212	0.018	T	1.17	0.02	L *	7.5105	0.0023	0.018	90	*	7.48	7.54		R	14513−4724	I 1	2 C A	AB	219	6.719	0.004	1.32	0.02	S
72655	9.640	0.016	7.459	0.006		1.843	0.014	T	2.42	0.03	O	7.2933	0.0019	0.028	157		7.25	7.33		U 2			1							S
72656	9.256	0.018	8.720	0.017		0.503	0.022	T	0.58	0.02	L	8.7947	0.0021	0.013	68		8.77	8.82		C			1							S
72657	9.381	0.014	8.456	0.011		0.818	0.013	T	0.84	0.01	L	8.5180	0.0013	0.014	149		8.49	8.54					1							
72658	10.601	0.042	8.947	0.019		1.383	0.036	T	1.36	0.04	L	8.9557	0.0019	0.018	81		8.92	8.99		C			1							
72659	5.485	0.005	4.612	0.004	*	0.720	0.015	G	0.82	0.03	C *	4.6801	0.0014	0.013	101	*	4.66	4.71		U 2	14513+1906	I 1	2 C A	AB	325	7.071	0.010	2.27	0.03	S
72660	10.608	0.044	9.891	0.037		0.659	0.046	T	0.72	0.04	L	10.0285	0.0031	0.023	78		9.98	10.06		C			1							G
72661	10.486	0.040	10.082	0.044		0.430	0.020	G	0.50	0.02	H	10.1242	0.0035	0.028	84		10.07	10.16					1 G							
72662	8.545	0.011	7.991	0.011	*	0.524	0.015	G	0.60	0.02	H *	8.1358	0.0016	0.014	128	*	8.11	8.17		D	14514+4437	I 1	2 C A	AB	122	6.057	0.006	1.69	0.03	S
72663	9.290	0.028	8.546	0.024		0.666	0.028	T	0.73	0.02	L	8.6077	0.0032	0.017	48		8.57	8.65					1							S
72664	7.281	0.006	5.641	0.003		1.369	0.004	G	1.34	0.01	H	5.6326	0.0005	0.006	119		5.62	5.64					1							S
72665	10.175	0.024	9.564	0.022		0.569	0.029	T	0.64	0.03	L	9.6409	0.0027	0.023	154		9.61	9.69					1							
72666	8.572	0.008	7.882	0.007	*	0.634	0.015	G	0.70	0.01	H *	7.8260	0.0014	0.013	137	*	7.80	7.85		D	14515+4456	I 1	2 C A	AB	349	0.955	0.003	0.21	0.01	S
72667	10.134	0.030	9.045	0.020		0.941	0.028	T	0.93	0.02	L	9.1089	0.0026	0.018	101		9.08	9.14			14515−4741	I 1	1							
72668	10.030	0.033	8.880	0.021	*	0.988	0.030	T	0.97	0.02	L *	8.8895	0.0030	0.012	50	*	8.85	8.93		D	14515−1033	I 1	2 C A	AB	259	0.642	0.012	1.70	0.05	
72669	9.698	0.020	9.032	0.017		0.607	0.020	T	0.68	0.02	L	9.1342	0.0017	0.015	102		9.11	9.16		C			1							
72670	6.404	0.003	6.435	0.004		−0.024	0.005	T	0.00	0.01	L	6.4371	0.0006	0.008	147		6.43	6.45		C			1							S
72671	6.834	0.004	6.832	0.005	*	−0.002	0.002	G	0.02	0.00	H *	6.8413	0.0009	0.009	147	*	6.83	6.86			14515−7456	I 1	2 C S B	AC	274	0.116	0.016	1.88	0.58	S
72672	8.519	0.010	8.044	0.010		0.447	0.014	G	0.51	0.02	A	8.1007	0.0016	0.013	109		8.08	8.13		C			1							S
72673	7.688	0.006	7.222	0.006		0.452	0.007	T	0.52	0.01	L	7.2647	0.0009	0.010	144		7.25	7.28					1							S
72674	9.099	0.017	7.965	0.012		0.976	0.016	T	0.96	0.01	L	8.0121	0.0019	0.012	77		8.00	8.04		C			1							S
72675	10.265	0.032	9.568	0.028		0.630	0.000	G	0.70	0.00	H	9.6506	0.0024	0.019	92		9.62	9.68					1							
72676	9.782	0.024	8.278	0.013		1.265	0.021	T	1.22	0.02	L	8.2982	0.0013	0.011	87		8.28	8.32		C			1							
72677	7.107	0.007	6.602	0.006		0.483	0.020	G	0.55	0.05	E	6.6594	0.0009	0.006	75		6.65	6.67		C			1							S
72678	11.735	0.133	11.079	0.113		0.550	0.020	G	0.62	0.02	H	11.1053	0.0040	0.036	90		11.04	11.16		C			1							G
72679	9.285	0.018	8.792	0.017		0.464	0.022	T	0.53	0.02	L	8.8460	0.0021	0.015	78		8.82	8.87		C			1							S
72680	11.571	0.084	9.669	0.026		1.613	0.072	T	1.71	0.17	K	9.6214	0.0047	0.045	110		9.56	9.68		U 2			1							
72681	9.579	0.022	8.568	0.016	A	1.300	0.495	G	0.95	0.04	I *	8.5331	0.0019	0.016	85	*	8.51	8.56		D	14516+1519	I 1	2 C A	AB	291	3.364	0.025	2.57	0.09	S
72682	8.371	0.008	7.887	0.008		0.456	0.010	T	0.53	0.01	L	7.9462	0.0013	0.012	150		7.92	7.97		C			1							S
72683	4.138	0.002	4.299	0.003	*	−0.154	0.033	G	−0.14	0.02	A *	4.2816	0.0010	0.010	55	*	4.26	4.30		U 2	14516−4335	I 1	2 C S A	AS	275	0.135	0.007	0.43	0.32	S
72684	8.788	0.022	8.249	0.021	A	0.505	0.027	T	0.58	0.03	L	8.3470	0.0180	0.032	99	A	8.30	8.46		D	14517−3053	I 2	1 C P B							S
72685	10.049	0.030	9.425	0.027	B	0.581	0.035	T	0.65	0.03	L	9.5460	0.0419			B				D	14517−3053	I 2	1 C I B							
72686	10.091	0.024	8.599	0.013		1.240	0.015	G	1.20	0.01	H	8.6407	0.0016	0.014	119		8.61	8.67					1							
72687	8.741	0.011	7.093	0.006		1.378	0.010	T	1.35	0.01	L	7.0963	0.0011	0.008	120		7.08	7.12					1							S
72688	9.147	0.019	7.927	0.012		1.036	0.018	T	1.08	0.02	A	7.9471	0.0017	0.013	74		7.93	7.97		C			1							S
72689	10.759	0.086	8.678	0.027		1.761	0.074	T	2.23	0.16	O	8.5342	0.0048	0.044	100		8.45	8.59		U 2			1							
72690	9.473	0.018	8.979	0.017		0.490	0.015	G	0.56	0.02	H	9.0574	0.0021	0.020	137		9.03	9.09					1							
72691											T	11.8870	0.0314	0.298	109		11.29	12.10	0.59	P 1 A			1							G
72692	9.032	0.015	7.742	0.009		1.097	0.014	T	1.06	0.01	L	7.7760	0.0015	0.009	77		7.76	7.79		C			1							S
72693	9.999	0.024	9.484	0.024		0.484	0.031	T	0.56	0.03	L	9.5469	0.0020	0.023	117		9.52	9.59		C			1							S
72694	8.871	0.010	7.654	0.007		1.040	0.010	T	1.01	0.01	L	7.7004	0.0013	0.015	160		7.67	7.73					1							S
72695	9.347	0.013	8.341	0.010		0.879	0.012	T	0.89	0.01	L	8.4131	0.0018	0.017	131		8.38	8.45					1							S
72696	9.614	0.016	8.515	0.011		0.949	0.015	T	0.94	0.01	L	8.5670	0.0014	0.012	119		8.55	8.58					1							S
72697	9.772	0.030	8.719	0.021		0.914	0.028	T	0.91	0.02	L	8.7567	0.0018	0.010	54		8.74	8.78					1							S
72698	10.515	0.032	9.190	0.018		1.125	0.029	T	1.09	0.03	L	9.2303	0.0032	0.026	105		9.19	9.27					1							
72699	11.427	0.105	9.918	0.042		1.130	0.020	G	1.09	0.02	K	9.9962	0.0030	0.017	68		9.96	10.02		C			1 X							
72700	10.207	0.039	9.676	0.038		0.506	0.041	T	0.58	0.04	L	9.8277	0.0035	0.029	64		9.78	9.89					1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg	mas	mas/yr		mas		mas	mas/yr												%	
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
*72701	14 51 51.34	+29 30 17.2	9.46	H	222.963 922 31	+29.504 774 32	6.11	−21.61	31.76	0.91	0.90	1.35	0.99	1.00	− 5	−18	−20	−39	− 1	+14	+ 8	+10	+ 7	−24	0	0.36
*72702	14 51 51.31	−18 21 19.2	6.27	H	222.963 808 00	−18.355 322 04	3.57	−13.17	−1.20	0.69	0.50	0.80	0.87	0.63	−23	− 6	−33	+19	−20	+15	−17	+ 3	+ 5	−25	0	−0.04
72703	14 51 53.41	+02 00 53.2	8.36	H	222.972 524 08	+02.014 768 41	25.68	−4.77	34.24	1.08	1.01	1.29	1.72	1.41	− 6	−19	−22	+10	− 6	−18	−10	+39	−28	+24	0	0.34
72704	14 51 53.90	−27 35 43.3	8.31	H	222.974 579 49	−27.595 366 23	3.86	−41.10	−8.46	1.10	0.65	1.11	1.70	1.08	− 6	+13	+ 9	−25	−26	−16	−34	−10	−21	+36	0	−0.99
72705	14 51 55.20	−34 28 49.1	8.82	H	222.979 998 22	−34.480 296 72	0.01	−18.27	−5.61	1.08	1.09	1.51	1.04	1.10	−19	+ 0	−54	−19	+10	−10	+ 5	−19	+17	−30	0	−0.69
72706	14 51 55.88	+08 49 31.5	7.60	H	222.982 841 34	+08.825 411 44	11.82	−113.80	−32.98	0.74	0.61	0.93	0.73	0.80	−30	−33	− 5	− 9	−25	+23	−35	+ 5	+18	−44	0	−0.55
72707	14 51 56.08	+60 54 00.7	12.03	H	222.983 685 85	+60.900 197 11	1.74	−11.25	15.04	1.98	1.87	2.17	2.24	2.46	+17	−27	−11	−19	− 6	− 7	− 8	− 3	+ 4	+12	4	−0.60
*72708 H	14 51 57.19	−29 58 22.3	10.43	H	222.988 309 91	−29.972 872 29 A	2.54	−13.73	−6.68	3.70	2.97	3.14	3.56	2.63	−20	−12	+ 2	+20	− 1	−12	+14	−11	− 6	+13	1	0.32
*72709	14 51 57.08	−70 48 09.3	10.07	2 H	222.987 849 21	−70.802 593 71	10.59	−44.02	−16.26	1.07	1.26	1.65	1.15	1.45	+18	−15	+12	+ 1	+14	+ 3	+ 9	+24	+ 4	+38	0	0.47
72710	14 51 57.61	−40 48 21.0	7.94	2 H	222.990 061 14	−40.805 825 04	0.40	− 9.78	− 5.98	0.97	0.72	1.05	1.02	0.76	+ 9	−38	−11	+23	+13	− 2	+ 7	+20	+12	+21	0	−0.31
72711	14 51 57.83	+33 37 50.6	10.12	H	222.990 976 19	+33.630 723 20	5.40	−16.71	− 5.49	0.76	1.11	1.87	0.83	1.16	+34	− 8	− 5	− 7	−11	−16	− 9	− 9	−25	+24	1	2.05
72712	14 51 58.48	−36 37 37.8	8.20	H	222.993 682 18	−36.627 168 20	3.47	−10.33	− 1.62	1.00	1.00	1.44	1.11	1.42	−20	−36	−39	+20	+ 8	−35	−19	− 6	+38	−65	0	−1.66
72713	14 51 58.54	−60 20 04.9	7.89	H	222.993 932 63	−60.334 704 64	5.56	− 0.42	−14.45	0.67	0.53	0.89	0.89	0.93	+25	−31	−13	+20	+19	− 4	+13	−10	+18	+13	0	−1.23
72714	14 51 59.25	−41 22 07.8	9.70	G	222.996 861 25	−41.368 844 09	3.77	−28.71	−12.58	1.28	0.99	1.47	1.17	0.98	+ 9	−33	−34	−27	− 3	+ 1	−10	− 9	+14	+ 8	5	−0.47
72715	14 52 00.44	+08 13 18.6	9.18	H	223.001 832 62	+08.221 825 50	5.89	−20.10	−25.16	1.12	0.83	1.56	1.06	1.25	−33	−47	− 7	− 7	−24	+11	−45	+ 1	+46	−45	0	0.46
72716	14 52 01.27	−13 44 54.3	10.06	H	223.005 304 62	−13.748 413 36	4.76	13.43	−32.84	1.89	1.13	2.20	2.55	1.59	− 8	+ 2	−40	−31	−21	−15	−27	−42	+43	− 6	0	−1.95
72717	14 52 02.03	−17 30 35.7	8.62	H	223.008 453 81	−17.509 925 86	6.82	− 0.05	−49.79	1.16	0.80	1.27	1.71	1.02	−39	+ 2	−26	+33	−40	+24	−33	+15	− 2	−37	0	−0.39
72718 H	14 52 03.23	+46 28 36.3	6.76	H	223.013 468 17	+46.476 750 15 A	8.20	11.12	−53.71	0.91	0.91	0.77	0.76	0.80	+21	+ 4	− 6	+16	− 7	+ 9	− 3	+ 1	− 2	+ 7	2	0.07
72719	14 52 03.48	−67 04 24.8	8.27	H	223.014 506 75	−67.073 559 20	3.74	−12.82	−19.44	0.55	0.71	1.08	0.65	0.81	+35	+ 9	+19	− 1	+12	−13	+10	+19	−14	+49	0	−1.32
72720	14 52 05.20	−04 45 02.1	9.30	H	223.021 655 85	−04.750 577 68	7.91	− 5.43	− 2.81	1.16	1.29	1.85	1.38	1.18	+ 4	−30	−70	+ 9	+18	− 5	+ 9	−37	+31	−22	0	0.66
72721	14 52 05.48	−79 40 46.7	12.45	3 H	223.022 850 88	−79.679 634 71	0.71	−17.67	9.04	2.15	2.44	3.03	2.29	2.99	+ 5	−12	+ 1	+ 3	+ 2	+16	− 1	− 2	+28	+20	0	0.15
72722	14 52 05.74	+52 35 20.5	7.70	G	223.023 899 08	+52.589 015 00	8.33	−48.02	40.03	0.50	0.49	0.60	0.49	0.50	+ 8	− 8	− 2	− 8	− 9	− 7	− 9	− 8	− 8	− 9	1	2.37
72723	14 52 06.45	−56 55 54.2	8.20	H	223.026 892 82	−56.931 723 88	5.75	−115.92	−67.58	0.73	0.78	1.06	0.85	0.93	+ 1	−33	− 5	+14	+19	−27	+17	− 4	+ 1	+ 2	0	1.68
72724	14 52 06.67	+15 18 53.2	9.27	H	223.027 788 74	+15.314 773 05	5.90	−10.96	−43.55	1.20	1.18	1.57	1.35	1.29	−23	−23	−20	−21	− 3	+21	+ 3	+18	− 4	−28	0	−1.00
72725 H	14 52 07.43	+20 17 26.5	6.91	H	223.030 949 91	+20.290 682 82 A	9.12	9.60	− 0.09	0.75	0.75	0.95	0.76	0.79	−38	+ 6	−10	+42	− 2	−12	− 4	+29	+ 0	−55	2	0.29
72726	14 52 09.09	+71 39 48.5	10.85	H	223.037 893 72	+71.663 467 41	21.76	−868.01	−409.29	1.35	1.36	1.50	1.64	1.57	+10	−18	−34	−26	− 2	− 3	− 1	− 3	+ 0	− 5	0	0.34
72727	14 52 09.76	−53 20 40.3	8.81	H	223.040 650 29	−53.344 518 38	6.56	15.84	−19.53	0.88	0.76	1.36	0.89	1.00	+ 5	−44	−21	+ 6	+21	−17	+11	−14	+17	−21	0	0.11
72728	14 52 10.19	−20 48 51.1	8.78	H	223.042 473 99	−20.814 194 04	0.34	9.30	−31.01	0.99	0.68	1.17	1.19	0.91	−32	−21	−14	+16	−15	+11	−16	− 2	+20	−22	2	−0.43
72729	14 52 10.64	−51 00 14.9	9.98	H	223.044 319 92	−51.004 149 70	6.13	−56.36	− 9.46	1.29	1.03	1.76	1.71	1.47	− 3	−10	−13	+24	+28	− 5	+31	−18	+30	+16	0	0.86
72730	14 52 10.81	+34 52 03.1	9.15	H	223.045 027 29	+34.867 521 03	2.77	1.97	−12.36	0.61	0.79	1.09	0.74	0.97	+30	−17	−10	+ 8	− 8	−10	− 6	− 1	− 9	+35	1	0.39
72731	14 52 12.45	−13 30 18.6	7.80	G	223.051 871 86	−13.505 177 82	7.30	−51.40	− 0.81	0.95	0.68	1.15	1.29	0.92	−31	+13	−38	−15	− 9	−20	−13	−37	+33	−28	0	1.46
72732	14 52 12.61	−50 04 12.4	10.09	H	223.052 539 90	−50.070 109 39	5.07	−12.10	−26.32	1.31	1.17	1.95	1.48	1.62	+ 0	−33	−30	+13	+17	−16	+ 5	−20	+28	−12	3	1.50
72733 H	14 52 13.44	−26 37 22.2	8.52	H	223.055 993 29	−26.622 842 72 A	2.90	8.04	4.46	2.00	1.31	1.77	4.15	2.04	+26	−16	−41	−37	−46	+38	−42	−32	+24	+78	10	0.68
72734	14 52 13.90	+38 44 27.3	9.83	H	223.057 927 06	+38.740 920 10	0.19	17.04	−10.94	0.93	1.01	1.37	1.08	1.18	+12	− 1	− 5	+ 3	−11	−10	−12	+ 3	−10	+10	0	3.15
72735	14 52 13.96	+15 23 53.5	8.79	H	223.058 187 18	+15.398 191 18	4.97	7.24	− 2.32	1.05	0.95	1.33	1.16	1.05	−19	−20	−19	−18	−15	+22	−10	− 4	− 8	−27	0	0.68
72736 H	14 52 14.49	+03 56 19.7	9.59	G	223.060 391 20	+03.938 793 85 A	3.81	− 4.33	−23.31	3.96	3.37	3.75	3.14	3.11	−34	−28	−24	+ 9	−21	+29	− 1	+31	−28	−44	0	0.44
72737 H	14 52 15.09	+44 13 29.4	8.49	G	223.062 889 95	+44.224 823 75 A	2.28	−41.34	0.75	1.18	1.15	1.37	1.16	1.21	+16	−34	− 3	− 5	+12	− 9	+11	+18	+ 0	+13	0	−0.55
72738	14 52 15.51	−44 55 37.3	7.20	G	223.064 640 70	−44.927 019 35	11.44	−12.92	−57.06	0.62	0.58	0.88	0.81	0.90	−53	− 6	+ 1	+29	+ 0	− 8	+11	+ 5	+23	−23	0	0.66
72739	14 52 15.75	−04 00 59.5	9.03	H	223.065 610 70	−04.016 518 32	3.79	− 4.00	13.11	1.31	1.43	1.81	1.55	1.35	−25	− 6	−59	+19	+23	−11	+21	−36	+27	−29	0	−0.13
72740	14 52 17.31	−03 31 06.3	8.19	H	223.072 124 92	−03.518 411 70	4.97	−74.87	4.85	0.95	0.97	1.40	1.10	1.01	− 1	−23	−60	+15	+21	−20	+ 1	−37	+42	−25	0	−0.17
72741	14 52 17.74	−48 47 27.1	9.29	H	223.073 896 63	−48.790 852 72	4.92	−48.52	−64.80	1.10	1.25	1.58	1.38	2.03	−44	− 5	−34	+17	−19	−25	−26	+35	+17	−63	4	0.46
72742	14 52 17.81	−43 49 03.9	8.70	G	223.074 201 53	−43.817 743 14	29.13	−89.62	−184.39	1.13	0.95	1.48	1.39	1.24	−24	−19	−17	− 8	+10	−35	+ 2	− 9	+ 3	− 4	0	−0.01
72743	14 52 18.31	−43 47 31.3	9.43	H	223.076 276 41	−43.792 034 47	4.89	17.19	− 0.59	1.36	0.95	1.75	1.68	1.46	−27	+ 9	−12	−29	+ 6	−39	− 4	−10	− 4	+ 2	0	0.37
72744	14 52 18.36	−27 08 20.9	9.32	H	223.076 493 36	−27.139 143 66	2.88	−30.07	−11.00	1.72	1.12	1.36	2.43	1.36	+30	+ 3	− 6	−42	−34	+ 6	−29	−31	− 6	+37	0	1.05
72745 H	14 52 19.27	−09 57 11.2	8.94	2 H	223.080 309 72	−09.953 109 61 A	6.09	− 6.91	−10.74	2.87	2.11	2.53	2.90	2.28	−16	−32	−10	+35	− 8	−11	−10	−10	+42	− 6	0	1.61
72746	14 52 20.16	−54 39 22.9	9.39	G	223.083 994 34	−54.656 354 93	9.92	−177.75	−97.11	0.93	0.94	1.29	1.18	1.27	−14	−16	−11	+ 5	+ 3	+ 0	+ 6	+12	−12	−23	0	−0.29
72747	14 52 20.41	−28 39 27.2	11.82	H	223.085 027 36	−28.657 545 96	−2.63	− 5.17	− 7.33	3.48	2.00	4.12	4.28	3.12	−40	−26	+18	+10	−14	+16	−14	−10	+17	+ 5	0	1.44
72748	14 52 20.67	+17 46 52.9	7.88	1 H	223.086 132 04	+17.781 348 59	2.89	−39.33	13.97	0.68	0.69	0.97	0.85	0.80	−23	− 1	−18	+47	+ 6	−10	+ 2	+14	− 4	−25	0	1.88
72749	14 52 21.01	+48 40 14.9	7.63	G	223.087 532 75	+48.670 798 28	13.72	−109.53	−27.53	0.80	0.78	0.98	1.01	0.84	+ 6	− 8	− 6	+ 2	−11	+ 8	−12	− 7	− 1	−22	0	
72750	14 52 21.07	−11 28 22.7	7.95	H	223.087 811 93	−11.472 979 10	6.12	−17.34	− 1.55	1.07	0.65	1.35	1.30	1.10	−28	−45	−22	+48	− 8	−28	−42	−13	+57	−60	0	0.21
72751 H	14 52 22.28	−64 48 37.3	9.95	H	223.092 835 79	−64.810 369 89 A	3.70	3.99	3.41	1.75	1.94	2.42	1.81	2.16	+32	−15	− 4	+30	+16	− 6	+16	+27	+ 8	+43	0	−0.47
72752	14 52 22.71	−65 47 37.1	8.15	H	223.094 614 78	−65.793 636 77	5.56	−30.41	−16.95	0.52	0.69	0.98	0.52	0.78	+26	−19	−17	− 7	+27	−16	+26	+13	−21	+47	1	−0.40
72753	14 52 22.93	+27 18 59.6	10.27	H	223.095 523 37	+27.316 558 15	22.72	−250.05	−96.49	1.16	0.97	1.48	1.38	1.17	+ 2	−26	−18	+10	+ 5	− 5	+ 8	+ 1	−26	−20	0	−1.00
72754	14 52 23.43	−62 34 19.4	8.19	G	223.097 635 45	−62.572 059 94	10.08	10.36	16.04	0.69	0.65	1.20	0.85	0.85	+25	− 8	+21	+67	+19	−17	+33	+25	+ 5	+44	0	−0.33
72755	14 52 23.55	−32 52 35.5	8.94	H	223.098 139 80	−32.876 531 69	3.43	− 9.32	− 0.28	1.28	0.96	1.62	1.44	1.28	− 3	−38	−17	+10	− 3	+ 1	−15	− 2	+36	+ 1	0	0.07
72756	14 52 24.06	−46 45 35.8	6.85	1 H	223.100 263 28	−46.759 936 79	2.55	16.11	− 3.85	0.56	0.57	0.84	0.73	0.90	−38	− 7	−23	+ 1	+ 4	−27	− 3	+ 4	+22	−47	0	0.20
72757 H	14 52 25.84	+17 57 23.4	8.79	2 G	223.107 650 25	+17.956 493 21 A	9.25	−31.25	−13.48	2.62	3.31	3.62	2.83	3.63	−31	− 4	−13	+26	+16	−28	− 2	−13	+ 7	−64	2	0.50
72758	14 52 27.36	−11 12 13.3	8.07	H	223.114 020 36	−11.203 689 70	1.08	16.94	− 4.61	1.15	0.69	1.37	1.42	1.18	−35	−43	−19	+53	−18	−26	−48	− 2	+54	−64	0	0.28
72759	14 52 28.00	−38 49 58.4	10.15	H	223.116 669 92	−38.832 902 16	8.38	80.45	23.95	1.49	1.23	1.75	1.51	1.50	+ 5	−14	−25	+ 1	− 5	− 6	− 4	+14	−19	− 7	0	0.14
72760	14 52 28.02	+38 24 22.8	9.23	H	223.116 751 70	+38.406 324 00	6.83	−26.82	−10.39	0.84	0.85	1.21	0.88	0.94	+22	+ 7	+ 3	−11	−16	−13	−17	−10	− 1	+ 7	0	0.33
72761	14 52 29.10	−33 16 02.0	9.53	H	223.121 262 55	−33.267 212 45	8.62	−43.88	−34.97	1.40	1.10	1.83	1.53	1.43	− 8	−38	−20	+ 3	− 4	− 2	−17	− 6	+34	−12	0	−0.19
72762	14 52 29.24	+23 48 04.7	7.24	H	223.121 831 00	+23.801 306 51	5.21	−19.68	23.71	0.60	0.54	0.89	0.87	0.76	−13	−11	−29	+ 2	+19	−29	+13	+ 0	+ 0	−58	0	0.93
72763	14 52 29.35	−48 14 49.4	6.96	H	223.122 311 19	−48.247 062 46	2.90	11.34	1.03	0.65	0.72	0.98	0.68	0.95	−24	−19	−39	+ 3	− 5	−21	−11	+25	− 2	−47	0	−0.18
72764 H	14 52 30.05	+18 44 19.5	8.28	G	223.125 217 34	+18.738 744 23 A	19.46	−26.67	195.43	1.23	1.24	1.56	1.25	1.35	−40	−10	− 7	+34	− 7	− 7	− 9	+ 7	+ 5	−51	2	−0.63
72765	14 52 30.58	+40 04 36.4	9.10	H	223.127 405 55	+40.076 771 52	8.70	− 7.02	15.17	0.68	0.82	1.03	0.80	0.98	+25	− 8	−25	− 6	+ 2	− 9	+ 1	+ 4	+ 3	+12	3	−0.19
72766	14 52 30.60	+00 06 40.1	8.72	G	223.127 498 94	+00.111 150 36	15.24	−36.63	−294.34	1.34	1.18	1.35	1.53	1.36	− 2	−24	−23	+48	−10	+20	− 4	+60	− 8	− 4	0	0.07
72767	14 52 31.01	−32 00 35.4	8.44	H	223.129 200 70	−32.009 820 87	−0.24	1.21	1.26	1.26	0.87	1.35	1.42	1.08	+ 1	− 8	−23	+27	+ 0	+ 7	+ 1	+ 6	+ 6	− 2	0	0.64
72768	14 52 31.22	+55 44 42.6	7.15	H	223.130 071 31	+55.745 163 20	6.99	− 0.88	4.06	0.48	0.47	0.56	0.48	0.51	+ 4	− 9	− 2	−11	− 2	+ 5	− 1	−10	−14	− 9	1	0.04
72769	14 52 31.79	−15 23 15.7	7.71	H	223.132 452 24	−15.387 690 84	4.48	−40.72	6.74	0.87	0.63	1.09	1.02	0.71	−30	− 9	−42	+37	−23	+31	−12	+ 1	+ 2	−37	4	2.82
72770	14 52 32.09	+10 26 19.1	10.65	H	223.133 688 47	+10.438 646 24	0.73	− 2.99	− 9.62	1.55	1.62	2.57	1.77	1.85	−14	−26	−46	−27	−17	+41	−11	−41	+24	−32	5	1.42
72771	14 52 32.42	−01 24 28.3	8.89	H	223.135 100 78	−01.407 849 02	2.38	−15.54	−24.52	1.41	1.07	1.43	1.52	1.33	− 5	−19	− 7	+44	+ 7	+ 3	+ 4	+27	+22	− 9	0	0.79
72772	14 52 33.33	−30 34 37.8	6.30	H	223.138 867 82	−30.577 152 91	24.99	−336.20	−41.34	0.72	0.49	0.80	0.80	0.64	−24	−32	+ 3	+13	+ 0	+ 7	− 1	− 2	+13	− 8	0	0.36
72773 H	14 52 35.27	−63 48 35.3	5.91	2 H	223.146 959 46	−63.809 817 41 A	3.22	−10.05	− 4.11	1.32	1.67	1.22	0.91	1.09	− 3	− 5	− 3	+ 8	+ 7	− 5	+ 6	+ 3	+11	+22	2	3.93
72774	14 52 35.85	+61 40 15.4	10.08	H	223.149 378 20	+61.670 938 21	3.09	−19.01	16.14	1.01	0.95	1.08	1.20	1.19	+15	−10	−16	−17	− 3	+ 4	− 3	−18	+ 8	+ 1	0	0.62
72775	14 52 35.93	+00 30 24.6	8.89	H	223.149 724 53	+00.506 829 65	4.83	19.48	−10.32	1.68	1.26	1.49	1.74	1.46	+ 8	−35	−17	+63	+ 9	+ 5	+14	+57	−10	+ 6	0	0.83
72776	14 52 35.98	−00 37 28.2	10.55	G	223.149 904 50	−00.624 491 47	1.38	22.01	−37.48	2.14	1.88	2.54	2.17	2.09	− 7	−42	−28	+16	−14	+ 4	−11	+32	− 5	−22	0	−0.21
72777	14 52 36.49	−61 34 07.0	8.19	H	223.152 041 59	−61.568 624 20	2.79	− 7.28	− 8.55	0.77	0.65	1.14	0.77	0.81	+25	−36	− 2	+ 7	−18	−32	−22	+25	−13	+39	1	−0.56
72778	14 52 36.59	−42 04 34.3	9.52	H	223.152 473 03	−42.076 185 16 B	7.20	− 5.65	−19.50	13.00	11.72	9.98	8.08	9.33	+18	−36	−35	−20	+ 1	−10	− 6	− 3	− 9	+ 1	16	1.77
72779	14 52 37.21	−25 27 16.2	7.89	G	223.155 041 11	−25.454 488 12	17.72	−198.46	−115.46	0.91	0.65	1.02	1.16	0.95	−27	−12	−11	+13	−17	+11	−16	+11	− 6	−16	0	−0.96
72780	14 52 37.77	+14 04 45.6	9.52	H	223.157 392 83	+14.079 331 37	3.23	− 7.91	−17.14	1.34	1.09	1.45	1.55	1.25	+14	−15	−31	−47	−34	+20	−31	−18	+ 0	+10	2	−0.43
*72781	14 52 38.07	−42 04 30.0	8.86	H	223.158 616 64	−42.074 995 38 A	0.85	3.38	− 8.91	4.39	3.98	4.22	3.46	3.71	+19	−31	−36	−24	− 3	− 7	− 7	− 2	−12	+ 6	16	1.77
*72782	14 52 38.04	−24 07 04.3	7.57	H	223.158 481 58	−24.117 863 98	5.16	−12.55	−22.54	0.79	0.52	0.90	0.92	0.69	−16	−21	−17	+ 1	−14	+ 4	−18	− 8	+12	−19	0	2.01
72783	14 52 38.42	+19 03 51.2	8.11	H	223.160 077 84	+19.064 231 13	5.91	−23.61	−102.92	0.67	0.76	1.04	0.79	0.86	−35	−14	−18	+ 7	+13	−24	+ 4	−18	+22	−49	0	−1.01
72784	14 52 38.85	−16 23 51.8	8.26	H	223.161 860 52	−16.397 729 75	0.60	−28.64	− 2.65	1.04	0.74	1.19	1.45	0.98	−34	− 4	−25	+18	−20	+ 5	−15	+ 3	− 7	−20	0	1.06
72785	14 52 39.06	−52 16 36.3	9.04	H	223.162 766 95	−52.276 749 97	1.06	− 8.88	− 7.41	0.84	0.79	1.26	0.97	1.07	− 6	−24	−12	+10	+18	−18	+14	−20	+11	−14	0	−1.14
*72786	14 52 40.04	−76 27 07.3	8.74	H	223.166 850 42	−76.452 021 40	2.02	8.75	− 6.31	0.71	0.74	0.99	0.75	0.85	+ 5	−25	+18	+ 4	+ 8	− 9	+ 6	+26	+ 9	+16	0	0.07
*72787	14 52 39.90	−53 16 36.7	8.60	G	223.166 258 69	−53.276 867 93	6.48	8.28	−19.74	0.83	0.77	1.23	0.87	1.04	− 9	−37	−11	− 3	+17	−13	+11	− 6	+17	−28	0	1.70
72788	14 52 40.24	−31 28 43.6	9.67	H	223.167 683 51	−31.478 788 77	1.75	−19.29	− 2.05	1.47	1.02	1.55	1.65	1.17	+ 3	−18	−20	+13	+ 2	+ 5	+ 4	+ 4	+ 0	+10	0	−0.28
72789	14 52 40.70	−40 00 18.4	9.44	H	223.169 601 89	−40.005 123 82	2.90	−48.22	− 8.58	1.31	1.06	1.44	1.46	1.27	− 7	−30	−14	+29	− 5	− 1	− 3	+31	− 8	− 4	0	−0.74
72790	14 52 40.83	+08 28 50.5	8.03	H	223.170 116 74	+08.480 703 15	5.09	−51.12	−23.33	0.78	0.65	1.07	0.81	0.83	−35	−34	−11	− 7	−26	+34	−32	+ 6	+15	−45	2	−0.29
72791	14 52 41.11	+29 15 22.7	8.24	H	223.171 280 10	+29.256 318 57	4.15	−23.90	−50.40	0.63	0.66	0.95	0.67	0.73	−10	−10	− 6	−48	− 1	+ 9	+11	+ 3	−18	−31	0	−1.35
72792	14 52 42.81	+32 27 04.4	8.70	H	223.178 368 00	+32.451 224 61	7.82	18.35	52.95	0.57	0.78	1.12	0.75	0.93	+20	+ 0	−16	+25	+ 9	− 7	+ 7	+13	+ 0	+12	2	1.30
72793	14 52 42.98	−45 35 26.4	9.14	G	223.179 076 89	−45.590 674 99	3.47	− 3.87	3.02	0.99	0.86	1.41	1.22	1.31	−43	− 2	− 3	+16	+11	−16	+18	− 6	+30	−23	0	−0.95
72794	14 52 43.77	+31 55 30.2	6.89	H	223.182 369 86	+31.925 053 82	6.35	− 6.56	−13.22	0.43	0.58	0.78	0.58	0.75	+ 5	+ 1	−21	− 1	+10	−18	+ 0	−29	+13	−20	0	2.06
72795	14 52 46.70	+31 12 19.8	8.76	H	223.194 599 37	+31.205 501 93	6.43	−21.49	−17.41	0.75	0.90	1.14	0.89	1.08	− 7	− 3	−29	− 9	+16	−11	+ 5	−42	+13	−34	0	1.98
72796	14 52 46.81	+27 29 54.4	8.02	H	223.195 058 07	+27.498 451 49	3.43	− 9.76	24.66	0.86	0.71	1.05	0.97	0.83	+ 3	−25	−14	+25	− 9	− 8	− 2	+26	−30	−17	0	−0.23
72797	14 52 47.17	−33 36 52.7	9.33	G	223.196 545 80	−33.614 651 11	17.81	153.98	− 3.39	1.35	1.08	1.64	1.59	1.29	−15	− 9	−22	+ 5	+16	−15	+13	−18	+29	− 1	0	−0.35
72798	14 52 48.83	+11 15 06.8	8.41	H	223.203 476 32	+11.251 891 76	11.95	−109.55	41.98	0.90	0.75	1

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
72701	10.022	0.022	9.498	0.021		0.492	0.027	T	0.56	0.03	L	9.5706	0.0024	0.027	149		9.52	9.62					1							
72702	7.675	0.008	6.389	0.005		1.094	0.007	T	1.06	0.01	L	6.4361	0.0013	0.010	79		6.42	6.45					1							S
72703	9.190	0.024	8.461	0.021		0.654	0.024	T	0.72	0.02	L	8.4995	0.0029	0.018	41		8.48	8.53					1							S
72704	9.536	0.025	8.392	0.017		0.983	0.024	T	0.96	0.02	L	8.4751	0.0016	0.015	86		8.45	8.50		C			1							
72705	10.985	0.064	9.016	0.022		1.668	0.056	T	2.06	0.13	O	8.8909	0.0042	0.025	49		8.85	8.93					1							
72706	8.914	0.012	7.709	0.008		1.031	0.011	T	1.00	0.01	L	7.7637	0.0011	0.011	118		7.75	7.78					1							S
72707											T	12.1965	0.0084	0.066	97		12.05	12.30					1							G
72708	10.918	0.057	10.451	0.063	*	0.480	0.042	G	0.55	0.04	R *	10.5330	0.0043	0.034	103	*	10.45	10.60		D	14519−2958	I 1	2 C	A	AB	358	0.390	0.009	1.03	0.07	G
72709	11.034	0.049	10.138	0.035		0.782	0.046	T	0.82	0.03	L	10.2137	0.0040	0.046	158		10.11	10.29		U			1							G
72710	7.828	0.011	7.918	0.015		−0.074	0.022	G	−0.05	0.03	H	7.9234	0.0096	0.043	59		7.88	8.00	1.31	P 1 A			1							S P
72711	11.413	0.049	10.239	0.026		1.007	0.043	T	0.98	0.04	L	10.2896	0.0024	0.032	236		10.22	10.36		C			1							
72712	9.850	0.027	8.331	0.014		1.277	0.024	T	1.24	0.03	L	8.3593	0.0017	0.011	53		8.33	8.37		C			1							
72713	8.004	0.007	7.900	0.010		0.094	0.011	T	0.11	0.01	L	7.9265	0.0010	0.012	158		7.90	7.94		C			1							
72714	10.196	0.034	9.716	0.034		0.450	0.020	G	0.52	0.02	H	9.7973	0.0031	0.021	61		9.77	9.85		C			1							G
72715	9.566	0.017	9.203	0.019		0.344	0.024	T	0.40	0.03	L	9.2586	0.0010	0.012	101		9.24	9.29					1							
72716	11.297	0.094	10.157	0.055		0.973	0.086	T	0.96	0.07	L	10.2117	0.0032	0.023	67		10.13	10.24		C			1							
72717	10.041	0.031	8.739	0.018		1.107	0.028	T	1.07	0.03	L	8.7925	0.0019	0.015	67		8.76	8.81		D			1							
72718	8.346	0.009	6.900	0.006	*	1.219	0.009	T	1.18	0.01	L *	6.9188	0.0012	0.009	132	*	6.90	6.93		D	14521+4629	H 1	2 C	A	AB	59	0.441	0.017	3.28	0.08	S
72719	9.727	0.015	8.401	0.009		1.125	0.014	T	1.09	0.01	L	8.4334	0.0015	0.020	221		8.40	8.47					1							
72720	9.783	0.036	9.308	0.035		0.447	0.046	T	0.52	0.05	L	9.3988	0.0021	0.015	54		9.37	9.43		C			1							
72721											T	12.5371	0.0727	0.495	112		11.81	13.02	0.59	P 1 A			1							G
72722	8.032	0.007	7.718	0.008		0.311	0.001	G	0.36	0.00	H	7.7692	0.0010	0.009	137		7.76	7.78		C			1							S
72723	9.512	0.019	8.332	0.012		1.011	0.018	T	0.99	0.01	L	8.3710	0.0016	0.013	87		8.34	8.40		C			1							
72724	9.891	0.025	9.350	0.025		0.507	0.032	T	0.58	0.03	L	9.3858	0.0031	0.023	75		9.34	9.42		C			1							
72725	7.105	0.005	6.943	0.006	A	0.100	0.495	G	0.13	0.01	L *	6.9592	0.0009	0.008	112	*	6.95	6.97		D	14521+2017	I 1	2 C	A	AB	89	1.575	0.019	3.39	0.07	S
72726						1.592	0.197	G	1.53	0.19	S	10.9768	0.0038	0.042	95		10.90	11.04		R			1							G
72727	9.478	0.018	8.870	0.017		0.565	0.018	T	0.64	0.02	L	8.9326	0.0018	0.013	100		8.91	8.96		C			1							
72728	10.136	0.033	8.875	0.020		1.075	0.030	T	1.04	0.03	L	8.9496	0.0014	0.010	71		8.93	8.97					1							
72729	10.730	0.036	10.008	0.031		0.663	0.038	T	0.72	0.03	L	10.1159	0.0029	0.030	123		10.06	10.17		C			1							G
72730	10.998	0.041	9.281	0.015		1.433	0.035	T	1.42	0.06	L	9.2817	0.0020	0.021	180		9.25	9.32		C			1							
72731	8.202	0.014	7.834	0.012		0.376	0.015	G	0.44	0.02	H	7.8859	0.0011	0.010	78		7.87	7.91					1							S
72732	10.609	0.037	10.053	0.038		0.521	0.047	T	0.59	0.05	L	10.2038	0.0026	0.032	101		10.15	10.25		C			1							G
72733	9.768	0.026	8.628	0.016	A	0.700	0.495	G	0.92	0.04	L *	8.6828	0.0016	0.012	74	*	8.66	8.70		C	14522−2637	I 1	2 C	D	AB	143	1.977	0.047	3.69	0.19	D
72734	11.311	0.057	9.889	0.026		1.201	0.049	T	1.16	0.05	L	9.9988	0.0029	0.030	151		9.93	10.05		C			1	S						
72735	9.488	0.021	8.849	0.019		0.594	0.025	T	0.66	0.02	L	8.9203	0.0025	0.021	74		8.88	8.96					1							S
72736	10.482	0.076	9.911	0.070	A	0.500	0.020	G	0.57	0.02	H *	9.6977	0.0029	0.018	36	*	9.62	9.73		D	14522+0356	H 1	2 C	A	AB	194	1.663	0.012	0.92	0.08	
72737	10.060	0.020	8.637	0.011	A	0.877	0.150	G	1.02	0.03	L *	8.6517	0.0019	0.021	140	*	8.62	8.69		D	14523+4413	M 1	2 C	A	AB	204	1.032	0.023	2.91	0.10	
72738	7.852	0.005	7.263	0.005		0.546	0.013	G	0.62	0.02	A	7.3187	0.0011	0.012	180		7.30	7.34					1							S
72739	10.470	0.047	9.147	0.027		1.000	0.040	G	0.98	0.03	R	9.2005	0.0029	0.018	56		9.17	9.23					1							
72740	9.798	0.031	8.301	0.017		1.260	0.028	T	1.22	0.03	L	8.3466	0.0020	0.013	50		8.32	8.36		C			1							
72741	9.804	0.025	9.301	0.025		0.473	0.032	T	0.54	0.03	L	9.3954	0.0022	0.020	81		9.36	9.43		C			1							
72742	9.909	0.030	8.812	0.021		0.913	0.025	G	0.96	0.02	A	8.8503	0.0026	0.022	92		8.83	8.89		C			1							
72743	10.820	0.060	9.552	0.033		1.080	0.054	T	1.04	0.04	L	9.5965	0.0026	0.020	85		9.56	9.64		C			1							
72744	9.852	0.026	9.358	0.025		0.476	0.028	T	0.55	0.03	L	9.4293	0.0027	0.016	77		9.40	9.46		C			1 G							
72745	9.747	0.026	9.065	0.023	*	0.630	0.029	T	0.70	0.03	L *	9.0745	0.0078	0.053	54	*	8.98	9.12		U 2	14523−0957	H 1	2 C	D	AB	76	0.830	0.029	2.38	0.16	D
72746	10.084	0.025	9.466	0.023		0.576	0.005	G	0.65	0.01	H	9.5076	0.0020	0.024	105		9.47	9.55		C			1							G
72747											T	11.9661	0.0093	0.059	97		11.84	12.06					1							G
72748	9.878	0.021	8.040	0.009		1.529	0.018	T	1.57	0.04	L	8.0024	0.0018	0.016	125		7.97	8.03		M			1							S
72749	8.430	0.009	7.715	0.009		0.669	0.015	G	0.73	0.01	H	7.7725	0.0011	0.009	127		7.76	7.79		C			1 X							S
72750	9.403	0.022	8.087	0.013		1.118	0.020	T	1.08	0.02	L	8.1216	0.0016	0.012	70		8.10	8.14		C			1							S
72751	10.686	0.033	10.081	0.032	A	0.453	0.071	G	0.52	0.07	R *	10.0502	0.0037	0.035	159	*	9.98	10.10			14524−6449	H 1	2 C	A	AB	37	3.958	0.032	2.49	0.13	G
72752	8.775	0.009	8.211	0.008		0.528	0.011	T	0.60	0.01	L	8.2646	0.0014	0.019	234		8.23	8.29					1							
72753	11.778	0.103	10.315	0.046		1.447	0.197	G	1.79	0.88	I	10.3532	0.0036	0.027	99		10.31	10.39		C			1							
72754	8.815	0.010	8.258	0.010		0.543	0.015	G	0.62	0.01	H	8.3070	0.0013	0.016	195		8.28	8.33		C			1							
72755	10.167	0.034	9.040	0.022		0.970	0.032	T	0.95	0.03	L	9.1085	0.0030	0.017	54		9.08	9.14		C			1							
72756	9.026	0.012	7.056	0.005		1.669	0.011	T	2.16	0.03	O	6.9144	0.0024	0.021	109		6.88	6.94		U 2			1							S
72757	9.727	0.020	9.096	0.017	A	0.720	0.126	G	0.62	0.06	L *	8.9179	0.0019	0.020	125	*	8.89	8.96		U 2 C	14524+1757	I 1	2 C	A	AB	270	1.272	0.011	0.70	0.02	S
72758	9.968	0.035	8.231	0.016		1.449	0.030	T	1.45	0.05	L	8.2066	0.0016	0.012	67		8.18	8.23		C			1							
72759	10.806	0.059	10.112	0.052		0.628	0.059	T	0.70	0.05	L	10.2777	0.0031	0.019	58		10.24	10.32					1							G
72760	9.720	0.016	9.276	0.016		0.419	0.021	T	0.49	0.02	L	9.3291	0.0022	0.026	147		9.29	9.38					1							S
72761	10.147	0.039	9.642	0.038		0.485	0.041	T	0.56	0.04	L	9.6363	0.0023	0.024	56		9.60	9.67					1							
72762	8.596	0.009	7.365	0.006		1.051	0.008	T	1.02	0.01	L	7.4111	0.0012	0.010	123		7.39	7.43		C	14525+2348	I 1	1							S
72763	8.174	0.009	7.064	0.005		0.957	0.008	T	0.94	0.01	L	7.1203	0.0013	0.009	93		7.11	7.14		C			1							S
72764	9.093	0.018	8.470	0.016	A	0.613	0.005	G	0.68	0.00	R *	8.3666	0.0019	0.012	97	*	8.35	8.39		D	14525+1844	I 1	2 C	A	AB	216	1.988	0.006	1.75	0.02	S
72765	9.562	0.016	9.135	0.017		0.420	0.015	G	0.49	0.02	H	9.1897	0.0020	0.020	144		9.16	9.23		C			1							
72766	9.500	0.025	8.762	0.022		0.630	0.006	G	0.70	0.01	H	8.8431	0.0024	0.014	55		8.83	8.87		C			1							S
72767	10.478	0.040	8.602	0.016		1.559	0.034	T	1.58	0.04	L	8.5534	0.0019	0.016	60		8.53	8.58		C			1							
72768	7.454	0.007	7.186	0.006		0.255	0.009	T	0.29	0.01	L	7.2183	0.0008	0.008	121		7.20	7.23		C			1							S
72769	8.199	0.012	7.760	0.012		0.433	0.015	G	0.50	0.02	H	7.8105	0.0010	0.009	76		7.79	7.83		C			1							S
72770	11.322	0.093	10.557	0.069		0.341	0.072	G	0.40	0.10	R	10.7283	0.0036	0.028	85		10.67	10.77		C			1							G
72771	9.519	0.030	8.960	0.028		0.523	0.037	T	0.60	0.04	L	9.0031	0.0042	0.019	42		8.96	9.04					1							
72772	7.024	0.005	6.362	0.004		0.605	0.006	G	0.64	0.07	F	6.4223	0.0009	0.007	91		6.41	6.44					1							S
72773	6.856	0.019	6.030	0.014	*	0.660	0.020	G	0.82	0.02	A *	6.0565	0.0173	0.186	164	*	5.79	6.23	5.27	P 1 A	14526−6349	H 1	2 C	B	AB	344	0.401	0.006	2.19	0.05	S P
72774	10.651	0.039	10.117	0.037		0.501	0.048	T	0.57	0.05	L	10.1933	0.0025	0.022	110		10.17	10.24		C			1							
72775	9.463	0.026	8.914	0.024		0.514	0.032	T	0.59	0.03	L	9.0010	0.0027	0.015	40		8.98	9.03		C			1							
72776	11.427	0.119	10.718	0.105		0.757	0.015	G	0.80	0.01	H	10.6663	0.0066	0.038	51		10.59	10.74					1							G
72777	8.193	0.007	8.182	0.009		0.015	0.011	T	0.03	0.01	L	8.1988	0.0016	0.014	154		8.18	8.22					1							
72778	10.903	0.062	9.556	0.032	B	1.142	0.055	T	1.11	0.06	L	9.7714	0.0409			B				D	14526−4205	I 2	1 C I A							
72779	8.784	0.012	7.953	0.010		0.707	0.002	G	0.76	0.00	H	8.0289	0.0015	0.010	77		8.00	8.05		C			1							S
72780	10.012	0.034	9.492	0.033		0.488	0.043	T	0.56	0.04	L	9.6301	0.0030	0.024	71		9.59	9.68		C			1							
72781	10.214	0.055	8.999	0.034	A	1.039	0.051	T	1.01	0.04	L	9.0254	0.0301	0.131	62	A	8.86	9.23		D	14526−4205	I 2	1 C P A							
72782	7.553	0.008	7.578	0.011		−0.018	0.012	T	0.00	0.01	L	7.5771	0.0014	0.010	79		7.56	7.60		C			1							S
72783	9.353	0.023	8.213	0.015		0.968	0.015	G	0.95	0.01	H	8.2706	0.0016	0.015	94		8.25	8.31		C			1							S
72784	10.236	0.035	8.467	0.015		1.474	0.030	T	1.49	0.04	L	8.3888	0.0016	0.013	75		8.36	8.42		C			1							
72785	10.569	0.036	9.178	0.018		1.176	0.032	T	1.14	0.03	L	9.2037	0.0023	0.020	120		9.17	9.24		C			1							
72786	10.512	0.030	8.921	0.014		1.334	0.026	T	1.30	0.03	L	8.8947	0.0020	0.021	142		8.85	8.94		C			1							
72787	9.203	0.017	8.669	0.016		0.548	0.015	G	0.62	0.01	H	8.7202	0.0019	0.017	100		8.69	8.75					1							
72788	10.060	0.031	9.662	0.033		0.389	0.038	T	0.45	0.04	L	9.7553	0.0034	0.024	59		9.72	9.80		C			1							
72789	10.112	0.031	9.507	0.029		0.563	0.031	T	0.64	0.03	L	9.5621	0.0022	0.021	67		9.53	9.61					1							
72790	8.520	0.009	8.056	0.009		0.437	0.012	T	0.51	0.01	L	8.1266	0.0010	0.010	120		8.11	8.15					1							S
72791	9.577	0.016	8.361	0.010		1.039	0.015	T	1.01	0.01	L	8.4054	0.0017	0.021	169		8.37	8.44					1							S
72792	9.329	0.011	8.756	0.010		0.536	0.013	T	0.61	0.01	L	8.8137	0.0016	0.019	214		8.78	8.85					1							S
72793	10.531	0.035	9.235	0.020		1.089	0.001	G	1.05	0.00	H	9.3090	0.0024	0.020	115		9.27	9.34					1							
72794	8.194	0.008	7.006	0.006		1.018	0.008	T	0.99	0.01	L	7.0563	0.0009	0.010	161		7.04	7.08					1							S
72795	9.163	0.012	8.800	0.012		0.408	0.015	G	0.47	0.02	H	8.8476	0.0017	0.019	118		8.82	8.89					1							S
72796	9.261	0.016	8.145	0.011		0.962	0.015	T	0.95	0.01	L	8.1876	0.0018	0.014	98		8.17	8.22		C			1							S
72797	10.250	0.045	9.372	0.034		0.840	0.003	G	0.88	0.00	H	9.4830	0.0032	0.026	50		9.45	9.53					1							
72798	9.078	0.015	8.473	0.014		0.564	0.018	T	0.64	0.02	L	8.5355	0.0015	0.017	90		8.49	8.57		C			1							S
72799	9.548	0.021	8.932	0.019		0.570	0.020	G	0.64	0.02	H	9.0036	0.0023	0.016	94		8.97	9.02					1							
72800	4.817	0.003	4.995	0.004		−0.155	0.004	T	−0.15	0.01	L	4.9662	0.0029	0.011	59		4.95	4.98	1.57	P 1 A			1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)																						Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ																						F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas			mas/yr		$\alpha*$	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$									%	
1 2	3	4	5 6 7		8	9 10		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28											29	30
72801	14 52 51.23	−71 37 51.1	8.87	2 H	223.213 457 48	−71.630 869 99		1.08	−3.66	−5.12	0.81	0.99	1.23	0.92	1.20	+26	−29	−12	−	3	−	6	−26	−	6	+27	−16	+30									1	0.99
72802	14 52 51.31	−33 37 38.2	8.05	H	223.213 781 64	−33.627 286 03		6.90	9.77	−4.37	1.00	0.79	1.22	1.19	0.99	−10	−17	−22	+	4	+11	−16	+	4	−13	+26	−	6									0	1.11
72803	14 52 51.79	+48 28 05.3	8.42	H	223.215 773 32	+48.468 138 38		10.32	−221.24	113.21	0.71	0.61	0.76	0.86	0.71	−	2	−10	−	9	+23	−	8	+11	−10	+13	+	3	−	4								0	3.67
72804	14 52 52.98	−12 23 01.0	7.70	G	223.220 754 86	−12.383 614 32		10.79	−54.51	−15.97	0.99	0.66	1.17	1.52	1.11	−46	−13	−20	+36	−18	−31	−31	−13	+46	−59											0	−0.83
72805	14 52 53.03	+26 27 54.1	7.26	H	223.220 952 75	+26.465 027 36		5.19	−28.99	0.11	0.61	0.52	0.80	0.65	0.61	−12	−26	−18	+	6	−	7	−	3	+	4	+23	−27	−38									0	−0.38
72806	14 52 53.27	−35 22 51.0	9.48	G	223.221 965 56	−35.380 838 90		3.19	−19.26	−20.66	1.26	1.25	1.85	1.42	1.28	−11	−	8	−60	−	7	+	4	+	1	+	4	−19	+23	−20								0	0.24
72807	14 52 53.44	+32 41 27.2	6.87	H	223.222 662 43	+32.690 896 37		13.62	32.87	5.10	0.35	0.50	0.74	0.45	0.61	+22	+	2	−11	+23	+	0	−10	+	0	+	9	+	0	+22								1	0.99
72808	14 52 53.64	−08 41 44.5	7.83	H	223.223 517 94	−08.695 697 12		12.89	−12.12	21.75	0.97	0.72	0.98	1.19	0.87	−24	−19	−11	+40	−21	+	5	−18	+25	−	2	−16		0	−1.13									
72809	14 52 53.85	+46 09 15.9	8.95	H	223.224 357 09	+46.154 405 60		12.66	34.01	−7.19	0.76	0.78	0.95	0.93	0.93	+22	+	6	+	1	−	5	−10	−	7	−10	−	4	−	3	+14							0	−0.78
72810	14 52 54.26	−29 23 44.3	10.51	H	223.226 095 68	−29.395 626 57		−1.24	13.78	−5.49	2.05	1.29	2.33	2.52	2.04	−44	−	4	+13	+	8	−	4	−	2	+11	−32	+10	−	4								0	1.94
72811	14 52 54.88	−12 38 38.4	8.03	G	223.228 653 74	−12.643 995 68		10.50	−11.48	−21.95	1.40	1.04	1.36	1.65	1.26	−40	−28	−15	+32	−	6	−39	−20	−36	+51	−48											0	1.56
72812	14 52 55.56	−51 27 28.2	9.00	H	223.231 517 86	−51.457 819 60		7.44	−18.81	−53.57	0.86	0.75	1.32	1.19	1.05	+	1	−26	−21	+26	+34	−10	+28	−28	+28	+	6									0	0.63
*72813	14 52 56.52	+58 08 44.5	9.48	G	223.235 511 63	+58.145 694 35		4.75	5.13	12.51	0.76	0.83	0.88	0.88	1.02	+11	−13	−11	−25	−10	−	2	−12	−32	+17	+24											1	−0.86
*72814	14 52 56.50	+15 07 56.6	7.03	H	223.235 398 27	+15.132 395 41		10.08	−38.25	−15.94	0.77	0.66	0.92	0.88	0.77	+	3	−22	−21	−26	−31	+23	−29	−20	+	4	−	8									0	0.78
72815	14 53 00.11	+45 42 10.9	9.12	H	223.250 437 65	+45.703 024 46		4.88	11.83	12.44	0.80	0.86	1.03	0.99	1.02	+12	−	4	+	4	+	1	−12	−	5	−11	+	1	+	2	+	1						0	0.27
72816	14 53 00.61	−64 19 31.1	8.26	1 H	223.252 526 63	−64.325 301 64		1.50	−3.37	−8.48	0.55	0.66	0.90	0.69	0.79	+21	−	9	−	4	+33	+11	−	2	+11	+27	+15	+34									0	1.07
72817	14 53 01.84	+81 53 46.3	9.73	H	223.257 650 31	+81.896 195 08		7.26	−20.13	47.64	0.77	0.84	0.90	0.86	0.95	+	0	−	3	−25	+	7	−	7	+	2	−	3	+26	−11	−17						4	−0.42
72818	14 53 02.38	+81 36 57.1	9.74	H	223.259 903 65	+81.615 854 49		3.95	−1.30	−1.86	0.72	0.80	0.84	0.79	0.92	+	3	−14	−25	+	4	−	2	+	6	+	5	+27	−16	−20						1	0.18
72819 H	14 53 03.72	+78 10 36.0	6.52	H	223.265 503 33	+78.176 666 18	A	14.19	−13.03	−2.51	0.70	0.80	0.76	0.72	0.89	+	5	+	5	−13	−	2	−	6	−	3	−	5	+12	−15	−20						1	0.85
72820	14 53 04.66	−56 17 56.9	8.60	H	223.269 405 45	−56.299 126 18		−0.50	−4.59	−8.36	0.89	0.76	1.19	1.13	0.95	+	7	−34	+	8	+31	+17	−24	+22	+16	−	9	+28									2	−0.40
72821 H	14 53 04.85	−46 38 12.5	8.15	G	223.270 203 93	−46.636 807 01	A	21.63	−61.66	−188.38	1.44	1.57	1.45	1.32	1.61	−28	+	4	−12	+25	−	7	−16	−	4	+13	+19	−48									1	−0.22
72822	14 53 05.58	−65 10 15.3	10.42	H	223.273 241 68	−65.170 925 70		9.58	−70.31	−13.92	1.03	1.24	1.72	1.12	1.45	+26	−15	−12	+28	+19	−11	+19	+25	−	7	+39											0	1.54
72823	14 53 06.64	−38 15 25.0	6.58	H	223.277 658 57	−38.256 942 93		5.31	−26.23	−23.91	0.73	0.62	0.91	0.77	0.75	−	6	−27	−35	+21	−	1	−13	−	4	+12	−	8	−18									0	1.74
72824	14 53 07.76	+50 38 34.6	9.29	H	223.282 336 82	+50.642 952 90		3.72	−28.85	1.02	0.67	0.70	0.82	0.71	0.78	+16	−21	−21	+	5	−10	+	7	−11	−	9	+	3	−	2								0	0.81
72825	14 53 08.40	−82 40 56.8	8.77	2 H	223.285 016 77	−82.682 433 30		0.46	−11.36	−12.60	0.74	0.72	0.89	0.83	0.84	+10	−12	+15	+	1	+	4	−11	+	5	+15	+	7	+11									0	−0.18
72826 H	14 53 08.60	+65 34 05.5	9.12	H	223.285 838 68	+65.568 184 24	*	4.79	0.27	19.01	1.35	1.50	1.00	0.98	1.28	−	3	−	5	−11	+	4	−	9	+11	−10	−	9	−	4	−22						0	−1.26
72827	14 53 08.87	+02 43 33.9	8.69	H	223.286 940 33	+02.726 084 55		1.66	−10.38	−3.66	1.51	1.50	1.90	2.45	1.89	−12	−	2	−41	+23	+31	−29	+24	+12	−35	+20											0	0.45
72828	14 53 10.72	−00 44 36.2	10.62	G	223.294 650 31	−00.743 396 05		1.91	29.03	−25.16	2.13	1.98	2.33	2.35	2.24	−16	−19	−28	+26	−20	+	8	−15	+45	−18	−23											0	−0.44
72829	14 53 11.57	−07 14 15.0	8.89	H	223.298 215 45	−07.237 500 59		2.47	−24.53	−1.73	1.05	0.93	1.32	1.21	0.99	−14	−33	−38	−	6	−	4	+	9	+	5	+	8	−17	−13								0	1.35
72830	14 53 11.98	+28 30 29.0	7.96	G	223.299 918 03	+28.508 060 68		13.97	−93.37	86.94	0.62	0.65	0.88	0.57	0.72	−14	−16	−	3	−24	−12	+	5	−	1	+23	−24	−33									0	0.28
*72831	14 53 12.85	−59 42 55.6	8.05	H	223.303 562 50	−59.715 457 85		3.17	−11.92	−8.15	0.76	0.60	1.05	0.94	1.08	+16	−23	+	2	+17	+26	−10	+21	−	9	+23	−13											0	−1.38
*72832 H	14 53 12.23	−69 32 17.4	8.69	H	223.300 957 27	−69.538 162 19	A	3.20	−12.81	−12.98	1.45	1.92	2.12	1.47	1.99	+40	−10	+	5	+	2	+	9	−	1	+	6	+15	−	2	+48						2	−0.10
72833 H	14 53 13.54	−73 11 24.6	5.59	H	223.306 403 36	−73.190 154 57	A	10.19	18.33	34.31	0.55	0.62	0.69	0.47	0.59	+20	−14	−	4	+11	+15	−27	+12	+21	−17	+37											3	1.36
72834	14 53 15.18	+78 45 05.7	8.91	H	223.313 264 16	+78.751 570 70		2.22	6.78	−15.23	0.72	0.73	0.80	0.80	0.81	−	2	−	2	−30	−27	+	0	+	2	+	3	−13	+	5	−20						0	1.09
72835	14 53 15.77	+40 49 00.0	7.79	H	223.315 723 89	+40.816 660 70		17.87	8.22	14.10	0.53	0.57	0.75	0.60	0.66	+15	−	2	−	8	+	6	+	1	+	2	+	2	+	9	−	1	+	8			2	−0.92
72836	14 53 15.79	+63 23 13.3	9.97	H	223.315 782 74	+63.387 037 94		3.19	−20.78	−23.16	0.86	1.03	1.08	1.03	1.34	+16	−26	−34	−	3	−	5	+	8	−	8	−12	+13	−12									0	−0.74
72837	14 53 17.89	−81 51 02.2	8.58	H	223.324 551 73	−81.850 607 15		3.35	−1.02	−8.27	0.73	0.71	0.88	0.72	0.81	+17	−21	+	3	−12	−	2	−12	−	4	+	5	+	2	+24								0	−1.42
72838	14 53 17.99	+35 53 44.8	9.85	2 H	223.324 969 89	+35.895 772 40		−3.81	−20.50	−0.55	0.89	1.18	1.50	1.09	1.54	+19	+	1	−16	+	5	−	1	−11	−	3	−10	−	8	+16						1	−0.97
72839	14 53 18.06	−23 28 07.0	8.27	H	223.325 267 93	−23.468 597 26		6.33	−10.02	−25.99	0.86	0.58	0.98	0.93	0.73	−23	−13	−15	−	9	−	6	−	5	−	9	−21	+12	−18								0	−0.07
72840	14 53 18.17	−21 36 16.7	8.60	H	223.325 705 20	−21.604 648 80		2.26	−1.02	14.47	0.93	0.62	1.07	1.10	0.80	−26	−25	−17	+23	−18	+15	−20	−	4	+17	−30											0	−0.11
72841	14 53 20.56	−46 58 24.1	8.32	H	223.335 648 65	−46.973 355 90		3.13	−17.78	−11.02	0.75	0.79	1.19	1.02	1.23	−31	+	0	−28	+12	−	2	−26	−	9	+17	+15	−39									0	1.10
120006	14 53 20.87	−45 51 32.7	9.62	G	223.336 963 55	−45.859 081 56	B	4.11	−3.78	−0.77	46.27	52.00	1.93	1.79	2.19	−48	−	1	+	0	+	0	+	0	−22	+	0	+	0	+36	−36					3	1.67
72842	14 53 21.81	−56 52 54.4	7.64	H	223.340 886 95	−56.881 775 20		3.41	−44.08	−23.96	0.76	0.64	1.03	0.86	0.78	+	0	−45	−	2	+24	+19	−20	+18	+	1	+	2	+12		0	−0.14						
72843	14 53 22.12	−45 51 20.7	7.11	H	223.342 161 88	−45.855 744 27	A	4.11	−3.78	−0.77	1.69	1.65	1.93	1.79	2.19	−41	−15	−	9	+12	+	7	−22	+	2	−	2	+36	−36								3	1.67
72844	14 53 22.71	−07 52 27.4	11.07	G	223.344 610 13	−07.874 284 73		14.43	−82.82	−115.53	2.25	1.80	2.52	2.39	1.96	−15	−20	−30	+21	−15	+	1	−13	+11	−10	−23											5	−0.01
72845	14 53 23.00	+18 14 07.8	7.80	H	223.345 839 11	+18.235 489 83		8.24	44.44	−36.46	0.62	0.69	0.98	0.71	0.80	−44	−13	+	4	+26	+	4	−11	+	3	−11	+	2	−47								2	−0.54
72846 H	14 53 23.36	+15 42 18.4	6.41	G	223.347 342 86	+15.705 110 93	A	20.40	−23.60	23.11	1.64	1.31	1.43	1.42	1.18	−41	−12	−	7	−18	−13	+20	−15	+	2	+	0	−52									2	0.30
72847	14 53 23.80	+19 43 34.5	8.81	H	223.349 154 37	+19.726 241 77		6.51	−47.08	24.07	0.72	0.78	1.03	0.88	0.92	−35	−26	−	9	+10	+	2	−16	+	0	−	2	+	1	−42								0	0.44
72848	14 53 24.04	+19 09 08.2	6.00	2 H	223.350 165 78	+19.152 271 42	+	86.69	−442.75	216.84	0.72	0.96	0.81	0.57	0.70	−49	−	3	−27	+27	−14	+	1	−25	+48	−16	−36									0	−0.45
72849	14 53 24.58	+16 48 36.6	10.42	H	223.352 410 96	+16.810 167 19		3.13	−7.32	1.78	1.27	1.12	1.64	1.75	1.20	+	6	−28	−37	−11	−23	+18	−16	−	7	+	7	−	4		0	0.24						
72850	14 53 24.72	−68 23 29.6	7.54	G	223.353 010 19	−68.391 551 59		5.81	−37.07	−29.30	0.48	0.65	0.89	0.59	0.79	+22	−	5	+	4	−	5	+	0	−16	−	2	+25	−18	+36								0	−0.59
72851 H	14 53 25.30	−63 54 33.4	8.65	H	223.355 413 22	−63.909 283 09	A	2.32	−9.31	−10.11	2.34	1.83	2.57	2.57	2.22	+19	−23	−14	+32	+	4	−	8	+	2	+23	+	6	+34								3	0.90
72852	14 53 26.15	−58 19 36.8	9.49	H	223.358 971 68	−58.326 901 25		0.05	−12.68	−16.06	0.97	0.93	1.44	1.48	1.32	+	2	−14	−	8	+14	+23	−23	+16	+	4	+28	+	8		0	−0.44						
72853	14 53 26.86	−62 31 10.1	8.75	H	223.361 931 61	−62.519 473 88		3.13	−17.05	−11.43	0.75	0.83	1.37	0.95	1.04	+36	−	3	+18	+57	+26	−16	+33	+34	+	0	+48		0	0.38									
72854	14 53 28.25	+58 11 53.3	8.66	H	223.367 697 30	+58.198 148 75		1.87	12.57	2.85	0.65	0.72	0.75	0.76	0.89	+13	−10	−	7	−22	−12	−12	−13	−34	+	5	+22		0	0.43									
*72855	14 53 29.57	+03 24 35.5	8.70	H	223.373 026 95	+03.409 857 87		4.91	−37.58	−25.68	1.52	1.16	1.48	2.91	1.63	+11	+	2	−10	+57	+27	+	9	+39	+32	−23	+58		0	0.57									
*72856	14 53 29.56	−27 16 09.7	8.83	H	223.373 183 18	−27.269 350 30		6.25	−33.64	−12.34	1.23	0.69	1.24	1.92	1.21	−18	+15	+	7	−27	−24	−16	−29	−21	−14	+33		0	−1.33									
72857	14 53 30.55	−32 04 42.2	8.81	H	223.377 272 47	−32.078 378 44		6.88	15.95	−11.28	1.24	0.85	1.31	1.41	1.10	+11	−22	−30	+31	−	7	+18	−	3	+27	+	5	−	3		3	−0.13						
72858	14 53 30.58	+14 40 31.3	10.46	H	223.377 410 60	+14.675 371 48		4.48	−29.86	8.96	1.79	1.53	2.21	1.94	1.79	+	6	−28	−27	−33	−25	+29	−26	−37	+17	−	5		0	1.60									
72859	14 53 31.18	+19 53 18.7	6.94	H	223.379 932 74	+19.888 527 27		6.18	3.68	−53.36	0.62	0.60	0.86	0.71	0.67	−27	−25	−	1	+24	−12	−17	−13	+10	+	1	−34		4	−1.18									
72860	14 53 32.52	+69 46 05.8	10.86	H																																		
72861	14 53 33.65	+07 41 24.6	8.44	H	223.390 192 46	+07.690 166 00		2.51	−10.95	−20.44	1.10	0.77	1.26	1.42	1.02	−38	−17	+	6	+31	−34	+11	−34	+	0	+21	−23		0	0.69									
*72862	14 53 35.35	+69 45 46.1	7.42	G	223.397 299 04	+69.762 796 59		1.71	16.52	−50.83	0.53	0.61	0.63	0.61	0.71	+	6	−	5	−26	+	5	−	2	+	8	+	1	+10	−	6	−	9			1	0.59
*72863	14 53 35.17	−49 40 18.6	10.34	H	223.396 549 31	−49.671 823 42		3.60	−8.84	−3.74	1.64	1.92	2.34	2.38	3.16	−36	−18	−31	+20	−14	−	4	−13	+34	−	9	−48		0	0.41									
72864 H	14 53 35.59	−62 21 21.8	8.63	H	223.398 298 34	−62.356 069 21	*	3.24	−7.00	−2.28	0.92	0.85	1.33	1.17	1.11	+39	−24	−	7	+70	+33	−28	+39	+53	−19	+58		4	−0.32									
72865 H	14 53 36.47	−19 08 50.6	8.17	H	223.401 957 14	−19.147 388 21	A	1.51	5.23	2.33	1.14	0.84	1.23	1.24	0.99	−32	−	4	−36	+26	−25	+20	−25	+10	+	5	−42		0	−0.04									
72866	14 53 38.41	+24 49 47.4	9.00	H	223.410 047 90	+24.829 823 13		6.47	−86.95	32.12	0.93	0.74	1.24	1.27	0.94	−	5	−27	−26	+24	+18	−	9	+15	+10	−31	−40		0	−0.88									
72867	14 53 38.49	−25 36 03.5	9.16	H	223.410 364 90	−25.600 968 77		3.19	18.83	−11.13	1.13	0.83	1.25	1.44	1.19	−19	−16	−19	+	2	−22	+	9	−23	+21	−13	−10		0	0.66									
72868	14 53 39.12	+02 14 15.3	6.82	H	223.412 979 66	+02.237 579 47		4.77	−61.53	−18.54	0.92	0.76	1.15	1.42	1.13	+	1	−21	−18	+	7	−	5	−20	+	1	+23	−52	+42		0	−0.18							
72869	14 53 39.83	+06 14 30.4	6.63	G	223.415 955 68	+06.241 788 74		3.47	−22.65	4.44	0.96	0.61	1.10	1.08	0.72	−25	−41	−11	−10	−30	+24	−32	−10	+18	−12			0	2.60									
72870	14 53 39.94	+14 41 54.0	10.08	H	223.416 407 17	+14.698 325 35		5.53	33.12	−12.65	1.62	1.33	1.94	1.75	1.55	+	7	−29	−16	−33	−26	+30	−27	−32	+	6	−	3		0	0.73									
72871	14 53 40.11	−19 58 20.9	7.49	H	223.417 135 99	−19.972 475 64		5.56	14.66	−29.45	0.81	0.58	1.02	1.01	0.70	−28	−	2	−37	+30	−18	+31	−	8	−	6	+10	−28		0	−0.44									
72872	14 53 40.94	+07 01 37.8	10.79	H	223.420 598 42	+07.027 160 07		13.06	−14.36	19.32	2.23	1.48	2.48	2.79	2.24	−43	−32	+	9	+16	−36	−28	−46	+	3	+43	−48		0	0.31									
72873 H	14 53 41.57	−16 30 45.9	8.77	H	223.423 228 15	−16.512 745 22	A	2.95	22.21	−32.12	2.43	1.77	2.54	2.91	1.77	−32	+	5	−36	+	4	−30	+	8	−24	−	7	−12	−15		0	−0.05							
72874	14 53 41.87	+55 00 35.8	7.90	G	223.424 454 82	+55.009 940 17		7.47	−57.23	31.29	0.55	0.53	0.64	0.58	0.59	−	4	−14	+	2	−10	−	9	+	8	−	6	+	2	−	8	−28		0	0.14						
72875	14 53 42.09	+23 20 42.6	8.65	H	223.425 393 99	+23.345 167 95		43.66	−824.15	2.29	1.06	0.96	1.20	1.27	1.07	−43	+	6	−24	−	5	+28	−25	+12	−10	+	6	−60		0	−0.17									
72876	14 53 42.38	−18 20 40.3	10.89	H	223.426 570 73	−18.344 532 19		24.66	164.74	−15.52	1.80	1.28	2.07	2.06	1.60	−29	−10	−24	−	6	−19	+13	−19	−	8	−	6	−30		0	−0.18									
72877	14 53 42.58	−51 10 43.6	10.03	H	223.427 411 87	−51.178 772 84		4.03	−28.03	−18.56	1.33	1.11	1.70	1.74	1.49	+	2	−	6	−	9	+28	+28	−10	+30	−	4	+19	+15		4	0.44								
72878	14 53 43.62	−21 42 45.7	8.63	H	223.431 729 59	−21.712 686 03		3.99	−13.76	−8.80	0.99	0.64	1.16	1.10	0.81	−28	−34	−11	+14	−19	+11	−24	−	8	+24	−26		0	−0.10									
72879	14 53 43.69	+30 57 29.1	8.90	H	223.432 053 97	+30.958 074 51		4.70	−10.51	−13.25	0.79	0.90	1.18	0.94	1.12	−11	+14	−28	−	4	+15	−	9	+	9	−33	+18	−32		0	1.44									
72880	14 53 45.26	+42 58 54.9	8.69	H	223.438 591 71	+42.981 921 77		0.97	−33.29	10.72	0.70	0.74	0.93	0.89	0.89	+21	+13	−	1	+10	+	3	−16	+	2	+26	−	9	+18		1	1.30									
72881	14 53 46.52	+53 37 38.8	8.96	H	223.443 820 54	+53.627 441 44		2.59	4.13	6.88	0.66	0.62	0.77	0.81	0.66	+	8	−	3	+	7	−15	−19	−	3	−11	+	1	−11	−30		0	0.17									
72882	14 53 46.66	−00 25 28.9	8.00	H	223.444 404 25	−00.424 705 08		2.63	2.00	10.43	1.05	0.95	1.19	1.10	1.08	−14	−34	−29	+29	−28	+17	−16	+55	−22	−27		0	−0.08											
72883	14 53 46.77	−28 24 20.3	7.46	H	223.444 876 94	−28.405 646 76		1.55	−6.54	−8.47	0.88	0.53	0.99	1.22	0.84	−29	−21	−	3	+	8	−18	+23	−16	−	2	+	8	+	5		2	1.37							
72884	14 53 46.86	+01 46 29.9	8.71	H	223.445 265 47	+01.774 980 31		4.38	−26.07	3.98	1.15	0.98	1.39	1.70	1.28	+	2	−23	−31	−10	−	3	−	8	−	3	+19	−34	+27		0	0.20								
72885	14 53 46.89	−43 09 43.5	7.69	H	223.445 388 12	−43.162 090 01		0.68	−14.73	−8.23	0.91	0.66	0.99	1.36	0.98	−	2	−	5	−10	−24	−13	−17	−25	+	8	+	7	+28		0	0.16								
72886	14 53 48.59	+21 53 45.8	9.55	H	223.452 452 93	+21.896 048 57		2.65	−4.95	−7.81	1.01	1.37	1.39	1.05	1.47	−43	−	3	−20	+35	−11	−14	−10	+15	+	3	−60		0	0.32									
72887	14 53 49.32	+45 40 57.8	7.97	H	223.455 512 42	+45.682 709 97		2.85	−20.36	−18.52	0.65	0.66	0.80	0.76	0.79	+21	+	6	+	6	−	8	+	0	+	3	+	0	+23	−	6	+16		0	0.22							
72888	14 53 49.84	−00 24 19.6	7.36	G	223.457 654 24	−00.405 450 73		14.71	22.60	−59.87	0.99	0.88	1.10	1.02	1.01	−	15	−35	−28	+31	−28	+17	−16	+54	−22	−28		0	1.36											
72889	14 53 50.82	−02 29 33.0	9.05	H	223.461 754 84	−02.492 492 01		6.90	−52.03	−2.68	1.33	1.11	1.90	1.55	1.54	−	6	−51	−40	+14	+10	−30	−26	−20	+46	−46		0	1.19											
72890	14 53 50.98	−56 00 42.1	8.83	H	223.462 429 29	−56.011 690 58		0.84	−14.55	−12.11	0.84	0.83	1.24	1.10	1.10	+	8	−33	+	1	+21	−	2	−34

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data										Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″		ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65		66	67	68-70
72801	11.190	0.060	9.043	0.016		1.775	0.050	T	1.80	0.05	L	8.9713	0.0041	0.040	132		8.90	9.03		U 2			1 S								
72802	8.437	0.014	8.097	0.015		0.396	0.015	G	0.46	0.02	H	8.1393	0.0026	0.014	53		8.12	8.17					1								S
72803	9.328	0.014	8.494	0.011		0.769	0.015	G	0.81	0.01	H	8.5643	0.0015	0.015	119		8.54	8.59		C			1 G								S
72804	8.253	0.009	7.758	0.009		0.480	0.015	G	0.55	0.02	H	7.8080	0.0013	0.012	90		7.79	7.83					1								S
72805	7.393	0.005	7.285	0.006		0.105	0.007	T	0.12	0.01	L	7.3025	0.0011	0.011	114		7.28	7.32		C			1								S
72806	9.878	0.029	9.512	0.031		0.329	0.004	G	0.38	0.01	H	9.5757	0.0040	0.019	51		9.55	9.62		C			1								
72807	7.370	0.004	6.912	0.004		0.432	0.005	T	0.50	0.01	L	6.9647	0.0006	0.009	248		6.95	6.98		C			1								S
72808	8.426	0.012	7.888	0.010		0.519	0.015	G	0.59	0.02	H	7.9423	0.0020	0.010	53		7.93	7.96		C			1								S
72809	9.840	0.019	9.031	0.015		0.731	0.019	T	0.78	0.01	L	9.0915	0.0015	0.018	126		9.06	9.13					1								S
72810	11.331	0.081	10.680	0.073		0.604	0.093	T	0.67	0.08	L	10.6384	0.0030	0.031	89		10.56	10.69		C			1								G
72811	8.666	0.012	8.095	0.011		0.551	0.015	G	0.62	0.01	H	8.1417	0.0015	0.013	95		8.12	8.16		C			1 G								S
72812	9.900	0.020	9.066	0.016		0.734	0.020	T	0.78	0.01	L	9.1386	0.0022	0.018	118		9.10	9.17					1								
72813	9.922	0.024	9.493	0.025		0.402	0.015	G	0.47	0.02	H	9.5832	0.0014	0.019	117		9.55	9.61					1								
72814	7.229	0.007	7.049	0.008		0.172	0.010	T	0.19	0.01	L	7.0933	0.0011	0.010	86		7.08	7.11		C			1								S
72815	9.668	0.017	9.153	0.017		0.484	0.022	T	0.56	0.02	L	9.2233	0.0020	0.024	126		9.18	9.26					1								S
72816	8.341	0.007	8.280	0.009		0.055	0.010	T	0.07	0.01	L	8.2884	0.0017	0.018	175		8.26	8.33		U			1								
72817	10.366	0.031	9.755	0.028		0.569	0.037	T	0.64	0.03	L	9.8521	0.0024	0.022	122		9.81	9.89		C			1								
72818	10.210	0.026	9.719	0.026		0.462	0.033	T	0.53	0.04	L	9.8443	0.0019	0.019	125		9.81	9.88		C			1								
72819	7.889	0.012	6.714	0.008	A	1.200	0.495	G	0.98	0.01	L *	6.6867	0.0011	0.009	109	*	6.67	6.71		D	14532+7810	I 1	2 C A	AB	241	1.437	0.008		2.08	0.03	S
72820	8.631	0.012	8.615	0.015		0.091	0.015	G	0.10	0.02	H	8.6349	0.0018	0.017	94		8.61	8.66		C			1								
72821	9.055	0.013	8.235	0.011	*	0.699	0.003	G	0.76	0.02	A *	8.2894	0.0012	0.012	106	*	8.27	8.31		D	14531−4638	I 1	2 C A	AB	5	0.404	0.006		1.63	0.03	
72822	11.440	0.067	10.473	0.044		0.837	0.062	T	0.88	0.07	L	10.5653	0.0038	0.043	190		10.49	10.65			14531−6510	I 1	1 S								G
72823	6.599	0.005	6.574	0.007		0.023	0.008	T	0.04	0.01	L	6.5947	0.0011	0.006	55		6.58	6.61		C			1								S
72824	9.431	0.014	9.254	0.017		0.170	0.021	T	0.19	0.02	L	9.3491	0.0017	0.016	117		9.32	9.38		C			1								
72825	10.929	0.046	9.074	0.016		1.575	0.040	T	3.16	0.04	O	8.6308	0.0058	0.052	133		8.56	8.71		U 2			1 S								
72826	9.820	0.021	9.198	0.018	*	0.579	0.024	T	0.65	0.02	L *	9.2439	0.0015	0.020	129	*	9.20	9.28		D	14531+6534	I 1	2 C A	AB	189	0.237	0.005		0.35	0.12	S
72827	10.375	0.058	8.870	0.029		1.266	0.051	T	1.22	0.05	L	8.8531	0.0033	0.015	32		8.83	8.89					1								
72828	11.434	0.109	10.655	0.094		0.722	0.015	G	0.77	0.01	H	10.7581	0.0069	0.041	44		10.67	10.81					1								G
72829	9.374	0.023	8.902	0.023		0.445	0.030	T	0.51	0.03	L	8.9928	0.0012	0.014	50		8.97	9.03		D			1								
72830	9.070	0.012	8.027	0.009		0.896	0.012	T	0.90	0.01	L	8.0917	0.0019	0.016	132		8.06	8.13					1								S
72831	8.267	0.008	8.069	0.008		0.189	0.011	T	0.21	0.01	L	8.1122	0.0016	0.016	144		8.09	8.15					1								
72832	8.868	0.013	8.642	0.015	*	0.210	0.020	T	0.23	0.02	L *	8.7524	0.0014	0.016	170	*	8.72	8.79		D	14532−6932	I 1	2 C A	AB	86	3.972	0.004		0.56	0.02	
72833	6.573	0.006	5.645	0.004	*	0.820	0.000	G	0.84	0.00	H *	5.7427	0.0008	0.007	166	*	5.73	5.76		D	14532−7311	I 1	2 C A	AB	123	2.167	0.003		1.74	0.01	S
72834	10.200	0.025	9.025	0.016		1.008	0.023	T	0.98	0.02	L	9.0836	0.0023	0.020	98		9.05	9.12					1								
72835	8.337	0.009	7.843	0.008		0.465	0.011	T	0.54	0.01	L	7.8889	0.0011	0.013	154		7.86	7.91					1								S
72836	11.522	0.081	10.129	0.037		1.178	0.070	T	1.14	0.06	L	10.1368	0.0028	0.024	108		10.09	10.18		C			1								
72837	10.154	0.025	8.707	0.013		1.220	0.022	T	1.18	0.02	L	8.7436	0.0017	0.018	117		8.71	8.78		C			1								
72838	11.821	0.093	10.022	0.028		1.528	0.080	T	1.71	0.17	K	9.9540	0.0053	0.047	154		9.89	10.02		U 2			1								
72839	8.710	0.012	8.311	0.012		0.390	0.014	T	0.46	0.01	L	8.3562	0.0015	0.015	88		8.33	8.38		C			1								S
72840	9.041	0.015	8.640	0.015		0.392	0.018	T	0.46	0.02	L	8.6950	0.0020	0.016	79		8.68	8.72					1								
72841	10.196	0.028	8.485	0.013		1.428	0.024	T	1.42	0.04	L	8.4597	0.0016	0.016	103		8.44	8.49					1								
120006	10.498	0.041	9.546	0.028	B	1.004	0.033	G	0.98	0.03	H	9.7354	0.1243			B					14534−4551	I 2	1 C F C								
72842	9.662	0.020	7.805	0.009		1.544	0.017	T	1.60	0.04	L	7.7557	0.0011	0.011	95		7.74	7.77		D			1								
72843	6.950	0.005	7.071	0.006	A	−0.104	0.007	T	−0.09	0.01	L	7.0852	0.0123	0.021	103	A	7.05	7.12		D	14534−4551	I 2	1 C P C								S
72844						1.033	0.006	G	1.08	0.01	I	11.2116	0.0042	0.034	49		11.10	11.27		C			1								G
72845	9.127	0.014	7.912	0.009		1.039	0.013	T	1.01	0.01	L	7.9634	0.0010	0.010	129		7.95	7.98		C			1								S
72846	7.223	0.024	6.573	0.023	A	0.569	0.013	G	0.64	0.01	H *	6.4900	0.0009	0.007	79	*	6.48	6.50		D	14534+1542	I 1	2 C A	AB	169	1.312	0.008		0.72	0.02	S
72847	9.361	0.018	8.872	0.018		0.460	0.023	T	0.53	0.02	L	8.9136	0.0020	0.013	91		8.89	8.94		C			1								
72848	7.062	0.005	6.085	0.004		0.841	0.005	G	0.92	0.07	F	6.1435	0.0019	0.013	97		6.12	6.19		U 2			1 O								S P
72849	10.769	0.049	10.398	0.055		0.351	0.069	T	0.41	0.07	L	10.4997	0.0035	0.025	77		10.46	10.53		C			1								
72850	9.102	0.011	7.684	0.007		1.203	0.005	G	1.16	0.01	H	7.7050	0.0014	0.016	180		7.68	7.73					1								
72851	10.160	0.024	8.878	0.014	*	1.091	0.022	T	1.05	0.02	L *	8.8156	0.0020	0.023	170	*	8.77	8.86		D	14534−6355	I 1	2 C A	AB	97	0.591	0.003		0.56	0.02	
72852	9.886	0.024	9.484	0.025		0.380	0.032	T	0.44	0.04	L	9.5762	0.0031	0.024	105		9.51	9.63					1								G
72853	10.688	0.040	8.944	0.016		1.454	0.034	T	1.46	0.05	L	8.8829	0.0017	0.020	190		8.85	8.92		C			1								
72854	9.899	0.019	8.736	0.013		0.998	0.018	T	0.98	0.01	L	8.8216	0.0016	0.016	115		8.80	8.85		C			1								S
72855	9.321	0.034	8.732	0.032		0.551	0.034	T	0.62	0.03	L	8.8185	0.0034	0.017	32		8.80	8.85					1								
72856	9.275	0.015	8.870	0.016		0.396	0.018	T	0.46	0.02	L	8.9227	0.0017	0.014	94		8.89	8.95		C			1								
72857	9.316	0.018	8.853	0.018		0.450	0.020	T	0.52	0.02	L	8.9094	0.0020	0.016	60		8.88	8.93		C			1								
72858	10.923	0.067	10.642	0.084		0.341	0.072	G	0.40	0.10	R	10.5404	0.0061	0.036	78		10.46	10.59					1								
72859	8.414	0.011	7.072	0.006		1.138	0.010	T	1.10	0.01	L	7.1082	0.0013	0.009	99		7.08	7.13					1								S
72860											T	10.9930	0.0902	0.696	103		8.98	11.46		D	14536+6946	I 2	S								G
72861	9.638	0.023	8.536	0.016		0.951	0.022	T	0.94	0.02	L	8.6011	0.0016	0.013	83		8.58	8.63		C			1								
72862	9.183	0.014	7.592	0.008		1.552	0.197	G	1.31	0.03	L	7.6143	0.0020	0.012	112		7.59	7.64		D	14536+6946	I 2	1								S
72863	11.508	0.118	10.439	0.071		0.926	0.105	T	0.92	0.08	L	10.5000	0.0067	0.044	65		10.43	10.55					1								G
72864	8.681	0.010	8.621	0.012	*	0.060	0.015	T	0.07	0.01	L *	8.6577	0.0015	0.019	168	*	8.62	8.69		D	14536−6221	I 1	2 C S A	AB	288	0.163	0.007		0.62	0.34	
72865	9.698	0.022	8.327	0.012	*	1.161	0.020	T	1.12	0.02	L *	8.3417	0.0010	0.010	83	*	8.32	8.36		D	14536−1909	H 1	2 C A	AB	293	0.932	0.024		3.54	0.10	
72866	9.532	0.018	9.054	0.017		0.450	0.023	T	0.52	0.02	L	9.1042	0.0022	0.023	110		9.08	9.15					1								
72867	9.831	0.028	9.256	0.026		0.540	0.028	T	0.61	0.03	L	9.2816	0.0017	0.015	73		9.26	9.31		D			1								
72868	8.833	0.024	7.009	0.012		1.518	0.021	T	1.55	0.03	L	6.9433	0.0056	0.021	30		6.92	6.99					1								S
72869	8.170	0.010	6.765	0.006		1.170	0.015	G	1.13	0.01	H	6.7976	0.0010	0.008	79		6.78	6.81		C			1								S
72870	10.960	0.062	10.139	0.046		0.740	0.059	T	0.79	0.04	L	10.2251	0.0051	0.032	78		10.17	10.26		C			1								
72871	7.990	0.009	7.549	0.010		0.458	0.015	G	0.53	0.02	H	7.5974	0.0012	0.011	80		7.58	7.62		C			1								S
72872						0.625	0.126	G	0.69	0.11	R	10.9236	0.0042	0.031	101		10.87	10.97		C			1								G
72873	9.753	0.033	9.233	0.032	A						T *	8.9019	0.0023	0.019	66	*	8.88	8.94		D	14537−1630	I 1	2 C A	AB	304	1.654	0.008		0.82	0.02	S
72874	8.308	0.010	7.926	0.011		0.406	0.003	G	0.47	0.00	H	7.9818	0.0016	0.013	113		7.96	8.01					1								S
72875	9.892	0.019	8.765	0.013		0.934	0.022	G	0.98	0.02	I	8.7908	0.0020	0.016	117		8.77	8.82		C	14537+2321	I 1	1 G								
72876											T	11.0355	0.0040	0.027	74		10.97	11.08		C			1 S								G
72877	10.466	0.031	9.990	0.032		0.448	0.041	T	0.52	0.04	L	10.1488	0.0040	0.039	113		10.09	10.21					1								G
72878	10.172	0.036	8.730	0.019		1.216	0.032	T	1.18	0.03	L	8.7950	0.0017	0.013	77		8.78	8.81		C			1								
72879	9.296	0.013	8.937	0.014		0.391	0.015	G	0.46	0.02	H	8.9927	0.0021	0.023	127		8.96	9.03					1								
72880	9.998	0.020	8.786	0.012		1.036	0.018	T	1.01	0.01	L	8.8536	0.0017	0.017	138		8.83	8.89		C			1								
72881	9.373	0.015	9.012	0.016		0.342	0.020	T	0.40	0.03	L	9.0435	0.0020	0.017	108		9.02	9.07					1								
72882	9.392	0.023	8.126	0.014		1.079	0.021	T	1.04	0.02	L	8.1693	0.0018	0.010	54		8.15	8.18		C	14538−0026	I 2	1								S
72883	8.706	0.011	7.556	0.008		0.988	0.011	T	0.97	0.01	L	7.6281	0.0016	0.011	95		7.61	7.65					1								S
72884	9.191	0.032	8.746	0.032		0.420	0.042	T	0.49	0.04	L	8.8028	0.0017	0.010	36		8.78	8.82		D			1								S
72885	9.791	0.029	7.872	0.012		1.593	0.025	T	1.61	0.03	L	7.8052	0.0016	0.011	75		7.79	7.83		C			1								
72886	11.301	0.049	9.683	0.020		1.355	0.042	T	1.32	0.05	L	9.7034	0.0016	0.021	145		9.65	9.74					1 G								
72887	9.797	0.018	8.128	0.009		1.395	0.016	T	1.37	0.02	L	8.1196	0.0015	0.016	131		8.09	8.15					1								S
72888	8.535	0.015	7.457	0.011		0.913	0.015	G	0.91	0.01	H	7.5118	0.0017	0.008	54		7.50	7.53		C	14538−0026	I 2	1								S
72889	9.584	0.032	9.092	0.032		0.463	0.041	T	0.53	0.04	L	9.1550	0.0022	0.020	44		9.13	9.19		C			1								
72890	8.819	0.013	8.859	0.017		0.043	0.015	G	0.06	0.01	H	8.8513	0.0033	0.020	83		8.82	8.89					1								
72891	7.532	0.009	7.378	0.012		0.148	0.014	T	0.16	0.01	L	7.3988	0.0015	0.011	51		7.38	7.42		C			1								S
72892	9.976	0.020	9.300	0.017		0.625	0.022	T	0.69	0.02	L	9.3452	0.0024	0.030	157		9.29	9.41					1								
72893	10.309	0.039	9.612	0.033		0.600	0.020	G	0.67	0.02	H	9.7381	0.0025	0.018	82		9.70	9.77		C			1								
72894											T	12.1891	0.0085	0.079	83		11.97	12.30					1								G
72895	7.238	0.007	7.081	0.008		0.143	0.010	T	0.16	0.01	L	7.1094	0.0009	0.008	80		7.09	7.12		C			1								S
72896											T *	11.6790	0.0109	0.067	71	*	11.11	11.78			14539+2333	I 1	2 C B	AS	35	0.231	0.034		0.42	0.48	G
72897	8.972	0.014	7.809	0.009		0.998	0.013	T	0.98	0.01	L	7.8381	0.0017	0.013	93		7.82	7.86		C			1								
72898	10.546	0.029	9.202	0.016		1.140	0.026	T	1.10	0.03	L	9.2614	0.0024	0.025	155		9.21	9.31		C			1								
72899	8.657	0.011	8.659	0.014		0.014	0.012	G	0.01	0.02	A	8.6836	0.0018	0.015	107		8.66	8.71		C			1 S								
72900	8.535	0.010	8.510	0.012		0.023	0.014	T	0.04	0.01	L	8.5353	0.0011	0.014	151		8.51	8.56					1 S								

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)																						Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	π	$\mu_{\alpha*}$										F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr		$\alpha*$	$\alpha*$	δ	$\alpha*$	δ	π	$\alpha*$	δ	π	$\mu_{\alpha*}$										%	
1 2	3	4	5 6 7		8	9 10		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28										29	30
72901	14 53 59.15	+18 29 59.2	8.68	H	223.496 438 20	+18.499 784 06		2.84	−9.99	0.74	0.72	0.89	1.22	0.85	1.06	−47	+11	−31	+30	−	6	−	6	−10	+11	+	1	−54										2	−0.75
72902 H	14 54 00.76	−05 34 17.3	7.73	H	223.503 175 06	−05.571 462 82	A	5.84	24.33	−31.86	1.41	1.42	1.69	1.74	1.66	−	8	−16	−56	+26	+23	−24	+	2	−27	+46	−38										1	1.06
72903	14 54 00.81	−43 35 52.1	8.22	G	223.503 382 01	−43.597 817 05		1.41	−7.70	−5.27	0.97	0.65	1.21	1.30	1.12	−31	+18	−	8	−26	−	5	−34	−24	+11	−11	+	5										0	1.01
72904	14 54 00.87	−49 28 40.5	9.34	H	223.503 622 62	−49.477 927 29		4.89	−6.07	−10.14	1.26	1.39	1.69	1.63	2.23	−43	−18	−26	+22	−17	−23	−21	+39	+	1	−55										0	−0.26
72905	14 54 01.98	−31 37 44.0	7.98	H	223.508 237 59	−31.628 898 27		4.53	−40.14	2.54	1.14	0.78	1.24	1.09	0.87	+	0	−34	−20	+31	+	9	+10	+14	+10	−	5	−	5										0	0.53
72906	14 54 02.95	−48 48 13.8	9.01	H	223.512 301 31	−48.803 821 59		5.24	18.04	23.27	2.80	3.27	4.25	3.49	4.60	−32	−	1	−41	−	1	+	3	−13	−	1	+17	−12	−37										0	
72907 H	14 54 04.85	+52 17 46.2	9.36	H	223.520 224 62	+52.296 162 00	B	3.46	5.89	1.30	2.73	2.61	2.22	2.15	2.29	+30	−	5	−10	−	6	−	9	−14	−10	−	5	+	3	−17										1	2.30
72908	14 54 05.30	+79 31 51.6	8.30	H	223.522 085 83	+79.530 992 54		4.06	−25.42	1.92	0.60	0.62	0.67	0.59	0.67	−	2	−	7	−17	−20	−	1	−	9	+	0	+	3	−11	−11									0	2.45
72909	14 54 05.40	−69 22 23.1	7.60	1 H	223.522 507 71	−69.373 072 90		3.09	−6.67	−11.11	0.44	0.58	0.77	0.49	0.68	+27	−20	−	2	−	9	+	4	+	3	+	1	+	8	+	7	+39						0	0.23
72910	14 54 05.49	−24 39 15.9	8.77	H	223.522 881 22	−24.654 404 03		2.40	−30.62	−15.40	1.08	0.74	1.19	1.36	1.09	−24	−	3	+	6	+	8	+	1	+11	+	4	−15	−	7	−10						0	2.04
72911	14 54 06.10	+66 34 36.8	10.74	H	223.525 406 07	+66.576 875 29		17.32	−200.57	−58.54	1.21	1.12	1.28	1.14	1.15	+	8	−19	−16	−25	−	4	−	5	−	3	−	3	+	1							0	−1.33
72912 H	14 54 06.55	+59 30 53.3	7.25	H	223.527 291 23	+59.514 792 68	*	4.91	−18.86	−2.03	1.45	1.44	0.72	0.66	0.85	−	2	−	9	−	7	+	0	−15	+	2	−15	−31	+	4	+	0					0	−0.59
72913	14 54 06.65	−25 34 27.3	9.21	G	223.527 706 35	−25.574 261 03		8.37	20.38	−25.44	1.13	0.82	1.26	1.49	1.24	−32	+	0	−	8	+	8	+	1	+	3	+	6	−16	+	0	−13					0	0.56
72914	14 54 07.04	+57 10 01.8	9.75	G	223.529 338 68	+57.167 178 18		3.51	−37.71	9.31	0.90	0.79	0.94	0.98	0.96	+14	+10	−	4	−26	−	8	+	4	−	8	−	1	−10	+11							0	−0.03
72915	14 54 07.18	−80 47 12.1	9.17	H	223.529 908 46	−80.786 707 17		5.76	19.39	−2.39	0.84	0.77	1.00	0.98	0.95	+21	−22	−13	−	6	−	6	+11	−	9	−	3	+20	+35							0	0.04
72916	14 54 07.24	+52 18 07.5	11.54	H	223.530 161 90	+52.302 083 05		−2.22	−19.67	0.64	3.83	3.97	4.32	4.55	4.41	+	4	−13	−25	−30	+	1	+	6	−	0	−11	−	8	−	2						0	2.16
72917 H	14 54 07.79	−58 54 35.9	8.93	G	223.532 447 25	−58.909 959 50	A	3.28	−5.30	−5.67	2.30	2.01	2.83	2.72	2.79	−	4	−	5	−20	+	1	+12	−17	+13	−	7	+31	−	6						4	1.23
72918 H	14 54 09.47	−39 16 42.0	9.85	2 G	223.539 474 13	−39.278 344 74	A	10.49	−0.12	−24.03	3.00	2.74	3.04	2.99	2.84	+17	−16	−31	+10	+	7	−	9	+	5	+	1	−	1	+11					5	3.97
72919	14 54 10.15	−11 40 19.0	9.18	H	223.542 299 96	−11.671 941 34		3.11	−35.82	−12.26	1.24	0.78	1.39	2.00	1.29	−36	−20	+	1	+	2	−28	−22	−33	−12	+33	−39										0	0.17
72920	14 54 10.82	+25 33 51.5	11.00	G	223.545 077 02	+25.564 292 64		4.81	−165.93	−288.00	1.59	1.32	2.09	2.11	1.72	+	3	+	3	−15	+12	+13	−11	+15	+23	−	8	−37										0	1.65
72921 H	14 54 11.32	−66 25 10.8	6.98	G	223.547 185 69	−66.419 665 80	A	23.05	−263.97	−172.75	1.38	1.61	2.02	1.20	1.81	+31	−	8	−	3	−17	+14	−	5	+10	+18	−10	+50										5	3.06
72922	14 54 11.35	+68 46 24.8	8.20	H	223.547 279 88	+68.773 550 27		3.50	7.45	−3.26	0.57	0.65	0.67	0.60	0.71	+	5	+	1	−23	−	5	+	1	+	5	+	4	+13	−	7	−	5					1	−0.62
72923	14 54 13.18	+33 36 31.2	8.89	H	223.554 914 08	+33.608 661 31		7.35	−29.26	28.05	0.53	0.68	1.03	0.62	0.77	+30	−	7	−	3	+	5	−	5	+	5	−	5	−	4	+26						0	0.51
72924	14 54 14.48	+62 09 12.4	8.66	H	223.560 339 79	+62.153 453 96		3.09	−23.32	−11.08	0.71	0.72	0.78	0.82	0.96	+	8	−	3	−13	−30	−	5	−	8	−	7	−25	+17	−	1						0	−0.72
72925	14 54 15.10	−74 31 14.1	9.29	H	223.562 903 48	−74.520 586 89		2.06	−8.68	−3.93	0.75	0.79	1.06	1.03	1.02	+19	−	1	+	5	−15	−	3	−11	−	4	+	5	−	6	+28						0	−1.27
72926	14 54 16.44	−37 37 14.1	9.96	H	223.568 488 87	−37.620 578 04		0.04	−9.32	−1.62	1.47	1.46	1.95	1.89	2.11	−30	−	8	−37	+26	−10	−12	−18	+11	+23	−41										0	−1.12
72927	14 54 18.07	+32 01 00.4	6.95	H	223.575 280 98	+32.016 780 92		6.38	−86.18	33.08	0.45	0.61	0.88	0.59	0.77	+	2	+	0	−37	−	8	+14	−18	+	5	−28	+32	−26									3	1.21
72928	14 54 19.63	+40 23 46.5	9.88	H	223.581 771 28	+40.396 258 92		6.57	−11.82	6.66	0.87	0.93	1.23	0.99	1.13	+30	−18	−16	−	7	−	7	+	1	−	8	−	7	+	5	+14						0	−0.09
72929	14 54 20.14	−24 38 31.7	5.27	G	223.583 901 00	−24.642 135 17		8.48	−11.02	−27.51	0.66	0.50	0.77	0.85	0.68	−16	−17	−25	+20	−	1	+	4	−	2	+	1	+23	−	5							0	3.84
72930	14 54 20.75	−28 20 53.5	6.54	H	223.586 444 54	−28.348 187 31		5.64	−53.92	−4.57	0.78	0.49	0.94	1.13	0.79	−31	−	2	−11	+18	−16	+34	−	7	−	9	+14	+	2								0	1.01
72931	14 54 20.88	−01 52 19.9	9.59	H	223.587 017 75	−01.872 194 17		3.63	40.85	−4.41	1.35	1.30	1.64	1.60	1.51	−29	−19	−36	+36	−18	+19	−10	+30	−	7	−40										0	0.14
72932	14 54 21.73	+35 14 43.3	8.42	H	223.590 557 71	+35.245 360 46		3.76	−0.30	−57.20	0.58	0.64	0.89	0.66	0.72	+19	−	8	−	3	−	1	−	7	−	7	−	6	+	1	−10	+11					0	−1.01
72933	14 54 21.74	+07 40 35.6	9.89	H	223.590 602 01	+07.676 560 79		8.61	−48.26	17.11	1.52	1.21	1.77	2.37	1.44	−35	−10	−	4	+13	−44	+18	−29	−18	+10	−	4										0	0.47
72934	14 54 22.91	−11 53 54.0	5.78	H	223.595 441 61	−11.898 330 43		8.94	−55.68	−7.09	0.81	0.54	0.96	1.27	0.88	−48	−	9	−	8	+19	−16	−32	−21	−17	+39	−52										0	0.39
72935	14 54 23.24	−05 37 18.8	9.87	G	223.596 828 33	−05.621 882 73		5.60	−78.51	23.08	1.40	1.37	1.82	1.72	1.43	−22	+	1	−56	+25	+19	−10	+19	−36	+33	−22										0	1.11
72936	14 54 23.33	−57 02 51.4	8.12	G	223.597 216 83	−57.047 598 39		3.52	−17.53	−19.45	0.67	0.68	0.95	0.79	0.84	+	3	−30	−10	+26	+17	−22	+15	+10	+	3	+10										0	−0.72
72937	14 54 23.52	+31 45 28.8	8.11	H	223.597 992 44	+31.757 999 35		2.10	−87.44	30.46	0.65	0.83	1.18	0.82	1.03	+	1	+	4	−30	−13	+15	−21	+	8	−32	+27	−24										0	0.64
72938	14 54 24.45	−42 52 58.2	9.68	G	223.601 872 00	−42.882 822 56		4.59	−12.84	−14.02	1.38	1.12	1.62	2.30	1.56	+	1	−	8	−21	−15	+	1	−15	−14	+14	−16	+51									0	−0.30
72939	14 54 24.57	+45 17 55.2	7.91	H	223.602 395 23	+45.298 667 34		11.53	−67.46	55.93	0.76	0.72	0.79	0.90	0.88	+	3	−	9	−	5	+35	−	0	+	0	+	1	+47	−13	+	6					0	−0.23
72940 H	14 54 25.33	−34 08 33.8	7.04	G	223.605 542 31	−34.142 712 49	A	10.63	−31.55	−30.93	1.11	0.94	1.25	1.00	1.04	−10	−19	−27	−	5	+	7	−23	−	7	−	9	+28	−22							2	0.53
72941	14 54 25.65	+64 38 47.0	7.81	H	223.606 855 82	+64.646 397 92		4.77	35.22	−32.20	0.57	0.60	0.64	0.59	0.74	+11	−13	−18	−29	+	2	−	6	+	2	−	1	+14	+	1							1	0.71
72942	14 54 28.67	−67 38 45.6	8.96	H	223.619 470 12	−67.646 005 80		9.43	−71.91	−23.11	0.71	0.86	1.34	0.86	1.03	+40	−	8	−17	−	4	+12	−26	+	8	+25	−29	+52										2	0.78
72943	14 54 28.81	−08 23 18.4	7.39	H	223.620 046 30	−08.388 450 30		2.56	3.24	−4.06	0.87	0.65	0.93	1.08	0.77	−12	−	9	−25	+28	−	9	+	7	−	4	+	6	−	7	−	2					0	1.87
72944	14 54 29.07	+16 06 04.9	10.11	H	223.621 122 79	+16.101 358 77		101.91	275.95	−122.11	1.62	1.18	1.67	1.95	1.33	+13	−12	−19	−37	−29	+	7	−28	−22	+	6	+13										0	1.00
*72945 H	14 54 30.05	+34 05 14.2	8.41	H	223.625 225 07	+34.087 274 17	A	10.16	−66.70	44.75	0.89	1.03	1.42	0.93	1.03	+16	−10	−	3	+	6	−	3	−	8	+	0	+	0	−	4	+	7				1	−0.22
*72946	14 54 29.88	−40 21 42.4	8.64	H	223.624 518 32	−40.361 787 97		0.79	−6.49	3.67	1.20	0.80	1.21	1.27	0.94	+15	−30	−	9	+28	+14	+17	+15	+23	+	4	+15										0	−1.21
72947	14 54 30.21	−16 23 33.6	8.82	H	223.625 869 16	−16.392 675 41		5.65	−33.00	−17.86	1.16	0.89	1.37	1.54	0.98	−31	+	6	−33	+11	−11	+	3	−	6	−15	−	6	−18							2	0.96
72948	14 54 30.41	−34 55 11.0	8.61	H	223.626 715 66	−34.919 722 75		2.29	−12.07	−0.56	1.19	1.05	1.60	1.14	1.08	−	6	−22	−49	−17	+20	−19	+	5	−32	+31	−23										0	−0.61
72949	14 54 31.81	−38 15 32.2	8.29	H	223.632 562 43	−38.258 936 33		4.81	−0.78	−3.06	0.91	0.93	1.24	1.05	1.15	−18	−11	−41	+	2	+13	−22	+	2	−15	+11	−34										2	0.84
72950 H	14 54 32.75	−39 20 46.5	7.61	G	223.636 451 91	−39.346 250 40	*	3.17	−23.15	−31.02	2.06	1.25	1.30	1.10	1.15	−17	−	7	−42	−18	+11	−	5	+10	−	4	−21	−21								0	−0.65
72951	14 54 33.44	+34 24 40.4	8.01	H	223.639 351 64	+34.411 223 35		9.11	21.83	9.21	0.45	0.51	0.75	0.50	0.57	+20	−	8	−	6	+	4	−	5	−	7	−	5	−	3	−13	+	8				0	3.29
72952	14 54 33.60	+46 35 37.7	7.33	H	223.640 002 94	+46.593 817 56		6.30	52.86	−32.54	0.53	0.60	0.69	0.70	0.78	+16	+13	−	9	−16	−11	−	1	−	9	+16	−12	+	4								0	−1.26
72953	14 54 35.63	+30 03 49.0	6.84	H	223.648 477 01	+30.063 598 89		10.72	−35.73	21.49	0.60	0.53	0.81	0.71	0.68	−14	−21	−	8	−49	+17	+23	+27	−27	−	4	−50										0	1.52
72954	14 54 36.01	+02 50 30.3	12.18	H	223.650 037 07	+02.841 746 29		12.53	−63.47	−208.14	4.92	3.77	5.26	6.69	4.70	+	2	−23	−32	+48	+23	−12	+34	+27	−41	+29										0	2.37
72955	14 54 36.51	+16 00 35.0	10.17	H	223.652 121 92	+16.009 712 02		−0.10	−23.48	23.66	1.54	1.19	1.75	1.77	1.31	+	8	−10	−17	−19	−26	+20	−24	−25	+	4	+	5								4	−0.28
72956	14 54 36.83	−05 03 02.2	8.83	H	223.653 466 33	−05.050 606 79		−0.25	−20.80	7.89	1.09	1.12	1.49	1.38	1.24	−25	−10	−52	+13	+22	−21	+10	−36	+37	−35										0	−1.01
72957	14 54 37.45	−36 45 55.1	8.03	G	223.656 048 63	−36.765 311 66		13.48	−80.33	−36.65	0.82	0.89	1.20	0.89	1.05	−19	−18	−52	−	1	+	6	−18	−	7	−	4	+16	−47							0	−0.79
72958	14 54 37.47	−39 18 32.1	8.03	H	223.656 118 51	−39.308 910 99		2.42	−7.47	−4.01	0.94	0.85	1.13	1.18	1.04	−12	−	4	−25	+10	+	9	+14	+13	−	6	+17	−	5							0	−0.54
72959	14 54 37.92	−33 18 02.0	5.85	H	223.658 002 70	−33.300 560 91		4.07	−8.58	−5.75	0.74	0.59	0.86	0.88	0.73	−	7	−18	−17	+12	−	5	+	7	−	5	+14	+	7	−	7					0	1.43
72960	14 54 38.03	−51 24 22.7	8.86	H	223.658 446 49	−51.406 310 78		6.79	20.15	−40.59	0.84	0.76	1.32	1.14	0.98	+	7	−28	−35	+27	+31	−23	+21	−26	+26	+	6										2	0.65
72961	14 54 40.06	−75 36 06.6	7.47	H	223.666 899 92	−75.601 823 22		1.43	−27.84	−9.43	0.52	0.55	0.74	0.58	0.64	+12	−	5	+11	−14	+	9	−15	+	8	+19	+16	+16										0	−0.20
72962	14 54 40.33	−28 09 52.1	9.77	H	223.668 051 97	−28.164 475 64		0.47	−14.20	−11.81	1.47	0.89	1.64	1.94	1.47	−23	−14	−17	−12	−14	+11	−16	−21	+19	+	5										0	−0.06
72963	14 54 40.97	+67 57 47.0	7.97	H	223.670 711 87	+67.963 060 33		5.67	17.71	−7.60	0.57	0.55	0.62	0.59	0.62	−	3	−10	−20	−	3	+	8	+	0	−	7	+12	−	5	−14					3	0.12
72964	14 54 41.21	−37 55 48.4	11.20	2 H	223.671 722 65	−37.930 122 15		6.70	−5.48	−7.67	4.07	3.88	5.22	4.42	4.66	−21	−	9	−37	−	5	+	7	−10	+	5	−	6	−	5	−23					0	
72965	14 54 42.59	−65 59 27.8	6.09	H	223.677 461 33	−65.991 065 56		2.66	−6.38	−12.23	0.32	0.44	0.62	0.32	0.55	+18	−20	−	5	−10	+25	−10	+29	+12	−25	+33										2	0.90
*72966 H	14 54 43.95	−67 53 02.1	9.48	2 H	223.683 108 45	−67.883 903 59	A	−1.42	−5.04	−9.08	1.93	2.14	2.90	2.04	2.40	+22	−	8	−15	−15	+	9	−24	+	0	+21	−15	+47								19	3.60
*72967	14 54 43.05	−61 59 43.8	8.93	H	223.679 389 87	−61.995 489 87		1.37	−9.90	−5.91	0.93	0.84	1.39	1.05	1.08	+25	−36	+	1	+	6	−11	−22	−21	+29	−	1	+52										1	1.02
*72968	14 54 43.33	+37 25 32.4	9.97	H	223.680 545 21	+37.425 653 50		0.20	10.22	−0.47	1.67	1.94	2.56	1.97	2.25	+14	+	2	−	7	−12	−	3	+	0	−	3	−12	+	5	+15					0	
*72969	14 54 43.77	+10 31 25.5	8.42	H	223.682 384 34	+10.523 750 83		1.70	18.07	−47.21	1.01	0.85	1.44	1.04	1.10	−15	−35	−16	−15	−32	+30	−42	−	6	+33	−19										0	−0.71
72970	14 54 44.08	+26 30 11.3	8.55	H	223.683 686 20	+26.503 134 72		1.25	4.61	−4.92	0.87	0.76	1.15	0.96	0.98	−	8	−38	−13	+	0	−10	+	9	+16	+34	−37	−48								0	0.54
72971	14 54 45.80	+51 44 59.3	8.64	H	223.690 820 62	+51.749 802 84		3.93	−8.13	11.57	0.69	0.70	0.86	0.74	0.73	+14	−13	−20	−	9	−	9	+	7	−11	−23	−	6	−	9		1	1.70
*72972	14 54 47.25	−50 49 23.2	8.55	H	223.696 856 90	−50.823 118 82		2.69	−33.97	−7.77	0.84	0.81	1.19	1.11	1.14	−12	−10	−23	+20	+21	−	8	+19	−10	+24	−11										0	−1.00
*72973	14 54 47.22	+85 07 15.3	7.46	H	223.696 730 51	+85.120 911 93		4.31	−78.55	−28.69	0.47	0.55	0.62	0.54	0.71	+14	+	0	−17	−22	+	4	−	2	+	6	−12	+	6	−	4					0	0.11
72974	14 54 47.66	−29 41 33.9	10.11	G	223.698 571 37	−29.692 736 23		3.49	−30.49	−27.33	1.62	1.20	1.86	1.78	1.38	−13	−42	−	7	+	9	−	1	+	5	−	3	+10	+	5	+	2					0	1.26
72975	14 54 48.91	−40 44 50.2	8.98	H	223.703 798 60	−40.747 266 32		−0.32	−4.89	1.62	1.24	0.91	1.35	1.44	1.13	+	5	−35	−	8	+	8	+	2	+	7	−	1	+18	+	9	+	4					0	−0.34
72976	14 54 49.98	+15 19 31.1	7.14	H	223.708 244 55	+15.325 295 85		4.34	−15.57	11.49	0.69	0.60	0.82	0.80	0.66	+	2	−19	−13	−22	−29	+18	−27	−15	+	6	+	3										0	−0.40
72977	14 54 50.18	−36 09 11.6	8.95	G	223.709 082 70	−36.153 235 67		4.72	−14.96	−8.88	0.91	0.99	1.40	0.89	1.04	−12	−24	−55	−	2	+12	−15	+	0	−16	+21	−44										0	−0.90
72978	14 54 51.06	+01 06 52.3	8.19	H	223.712 749 33	+01.114 536 65		11.53	−30.46	−29.19	1.60	0.96	1.18	1.87	1.22	+27	+14	−	7	+74	+38	+31	+47	+27	−	5	+30										0	1.22
72979	14 54 51.58	+36 23 45.0	9.57	H	223.714 904 14	+36.395 844 97		2.95	−48.12	70.36	0.88	1.03	1.38	0.95	1.20	+31	−	6	−	9	−	7	−14	−	6	−16	−19	+	2	+20		1	0.91
72980	14 54 52.61	+08 38 35.4	10.74	G	223.719 227 70	+08.643 152 81		7.15	−199.14	78.40	1.75	1.65	2.73	1.97	1.93	−34	−	9	−40	−	6	−35	+45	−32	−12	+10	−43										0	0.55
72981	14 54 53.67	+09 56 40.1	11.28	G	223.723 621 92	+09.944 459 16		44.46	−317.19	−398.95	1.96	1.88	2.60	2.06	2.36	−36	−	5	−16	−21	−	5	+	8	−	9	−20	+23	−45								2	1.02
72982	14 54 54.01	+23 35 35.0	7.45	1 H	223.725 056 05	+23.593 068 71		2.26	18.64	−18.69	0.65	0.57	0.93	0.88	0.72	−	6	−	3	−28	+25	+11	−28	−	1	+15	−	2	−46								4	−0.47
72983	14 54 54.05	−69 51 39.3	6.38	H	223.725 213 74	−69.860 924 69		3.52	−9.48	−13.00	0.38	0.47	0.63	0.41	0.53	+17	−25	+	3	+	9	+15	−	8	+16	+12	−	8	+33		1	−0.41
72984 H	14 54 54.50	−36 25 49.0	7.23	G	223.727 071 31	−36.430 290 89	A	5.93	−27.43	−26.89	0.97	1.06	1.20	0.91	1.09	+	1	−28	−61	−15	+	3	+	2	+	7	−	5	−	1	−31					0	0.16
*72985	14 54 54.92	−32 48 47.2	9.32	H	223.728 836 67	−32.813 103 17		3.45	−16.90	−27.85	1.22	0.96	1.49	1.51	1.27	+	4	−29	−38	+	2	−15	+14	−12	+	8	+	4	−	8							0	−0.87
*72986	14 54 54.91	−41 21 52.4	7.15	H	223.728 786 37	−41.364 560 81		22.23	−136.41	−88.92	0.80	0.60	0.93	0.58	0.61	−12	−55	+	0	−	1	−	5	−16	−	7	+	8	+	6	−21						0	1.03
72987	14 54 55.47	−72 31 09.7	8.92	H	223.731 142 91	−72.519 358 41		3.19	−2.97	−6.48	0.66	0.80	0.98	0.78	0.92	+16	−17	−11	+	9	+	4	−	9	+	2	+34	−	6	+25							0	2.81
72988	14 54 56.13	+02 25 07.3	8.37	H	223.733 863 75	+02.418 680 58		6.18	−22.84	−6.66	1.26	1.16	1.77	1.84	1.48	−	9	−24	−42	+	1	−	2	−	2	+	7	+26	−49	+20							0	0.34
72989	14 54 56.95	−61 04 33.0	7.45	2 H	223.737 275 10	−61.075 832 10		4.24	−5.95	−3.64	0.71	0.55	1.02	0.83	0.80	+33	−33	+	1	+	3	−	4	−26	−	5	−	6	+	6	+33						0	0.54
72990	14 54 57.33	−03 37 49.9	7.43	G	223.738 862 44	−03.630 530 09		9.07	1.96	22.40	0.97	0.82	1.22	1.17	1.17	−24	−24	−27	+40	+13	−21	−	6	−12	+49	−42										0	0.58
72991	14 54 58.34	−34 26 43.6	9.72	H	223.743 070 74	−34.445 437 51	

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
72901	9.840	0.022	8.776	0.015		0.922	0.020	T	0.92	0.01	L	8.8407	0.0022	0.019	122		8.81	8.88					1							
72902	9.032	0.019	7.853	0.013	*	1.011	0.018	T	0.99	0.01	L *	7.8981	0.0020	0.011	58	*	7.87	7.92		D	14540−0534	I 1	2 C A	AB	308	0.635	0.014	2.54	0.07	S
72903	9.553	0.019	8.327	0.012		1.047	0.018	T	0.99	0.00	A	8.3944	0.0019	0.016	102		8.37	8.43					1							
72904	9.839	0.028	9.401	0.028		0.413	0.036	T	0.48	0.04	L	9.4303	0.0035	0.020	62		9.39	9.46					1							
72905	8.547	0.013	8.031	0.012		0.470	0.015	G	0.54	0.02	H	8.0839	0.0020	0.014	59		8.06	8.11		C			1							S
72906	9.577	0.023	9.063	0.023		0.493	0.025	T	0.57	0.03	L	9.1227	0.0020	0.018	70		9.10	9.16		C			1 X							
72907	9.742	0.024	9.279	0.025	*	0.436	0.032	T	0.50	0.03	L *	9.4521	0.0035	0.031	136	*	9.41	9.52		R	14541+5218	I 2	2 C A	BA	118	3.439	0.004	0.21	0.02	
72908	8.541	0.010	8.330	0.011		0.202	0.014	T	0.22	0.02	L	8.3656	0.0013	0.012	120		8.34	8.40					1							S
72909	7.632	0.005	7.598	0.007		0.036	0.008	T	0.05	0.01	L	7.6148	0.0016	0.016	171		7.59	7.64		U 2			1							S
72910	11.065	0.077	8.925	0.021		1.769	0.064	T	1.80	0.07	L	8.8699	0.0021	0.018	76		8.84	8.91		C			1							
72911	12.123	0.173	10.854	0.087		1.081	0.151	T	1.04	0.12	L	10.9015	0.0044	0.036	103		10.81	10.96		R			1							G
72912	8.694	0.011	7.365	0.007	*	1.128	0.010	T	1.09	0.01	L *	7.4207	0.0010	0.009	124	*	7.40	7.44		D	14541+5931	H 1	2 C A	AB	333	0.260	0.024	2.75	0.25	S
72913	9.743	0.029	9.251	0.028		0.451	0.020	G	0.52	0.02	H	9.3290	0.0015	0.017	78		9.30	9.35		D			1							
72914	10.352	0.028	9.782	0.027		0.513	0.015	G	0.59	0.02	H	9.8867	0.0022	0.022	117		9.84	9.93		C			1							
72915	9.604	0.017	9.222	0.018		0.373	0.021	T	0.44	0.02	L	9.2619	0.0021	0.020	121		9.23	9.29					1							
72916											T	11.6789	0.0114	0.112	128		11.38	11.83		D	14541+5218	I 2	1 G							D
72917	9.053	0.013	8.963	0.016	A	0.140	0.015	G	0.15	0.01	H *	8.9645	0.0023	0.019	124	*	8.93	9.00		C	14541−5855	H 1	2 C B	AB	4	1.373	0.049	2.92	0.19	
72918	10.167	0.040	9.714	0.043	A	0.480	0.071	G	0.55	0.07	R *	9.5943	0.0108	0.070	65	*	9.51	9.69		U 2	14542−3917	H 1	2 C B	AB	271	1.015	0.065	2.65	0.32	G
72919	9.599	0.022	9.183	0.023		0.393	0.029	T	0.46	0.03	L	9.2672	0.0014	0.017	88		9.24	9.29		C			1							
72920	11.527	0.095	10.971	0.097		0.400	0.015	G	0.47	0.02	H	11.0995	0.0037	0.034	96		11.05	11.19		C			1							G
72921	7.728	0.005	7.096	0.005	*	0.580	0.008	G	0.65	0.01	H *	7.0960	0.0008	0.012	272	*	7.08	7.12		D	14542−6625	I 1	2 C A	AB	298	0.689	0.002	0.52	0.01	S
72922	9.855	0.022	8.329	0.012		1.282	0.020	T	1.24	0.02	L	8.3639	0.0016	0.015	106		8.34	8.39		C			1							
72923	9.304	0.010	8.908	0.011		0.375	0.014	T	0.44	0.01	L	8.9733	0.0016	0.022	241		8.93	9.01					1							S
72924	10.167	0.025	8.797	0.014		1.160	0.022	T	1.12	0.02	L	8.8302	0.0020	0.019	110		8.79	8.86		R			1							
72925	10.439	0.030	9.390	0.020		0.911	0.027	T	0.91	0.02	L	9.4476	0.0022	0.021	135		9.41	9.49					1							
72926	11.595	0.167	10.119	0.074		1.243	0.143	T	1.20	0.14	L	10.1298	0.0040	0.023	51		10.10	10.17		C			1							G
72927	8.377	0.007	7.071	0.005		1.110	0.007	T	1.07	0.01	L	7.1189	0.0012	0.011	182		7.10	7.14					1							S
72928	10.385	0.029	9.889	0.029		0.466	0.037	T	0.54	0.04	L	9.9799	0.0039	0.035	144		9.92	10.03					1							
72929	7.021	0.005	5.418	0.003		1.336	0.006	G	1.30	0.01	H	5.4228	0.0006	0.005	81		5.41	5.43		C			1							S
72930	7.946	0.008	6.664	0.005		1.091	0.007	T	1.05	0.01	L	6.7080	0.0008	0.007	95		6.70	6.72					1							S
72931	10.011	0.033	9.622	0.036		0.368	0.045	T	0.43	0.05	L	9.6763	0.0041	0.019	54		9.64	9.70		C			1							
72932	9.830	0.016	8.533	0.010		1.110	0.015	G	1.07	0.02	H	8.5870	0.0014	0.018	179		8.55	8.62					1							
72933	10.462	0.036	9.915	0.036		0.512	0.046	T	0.58	0.05	L	9.9976	0.0037	0.023	83		9.96	10.03		C			1							
72934	7.036	0.006	5.895	0.004		0.982	0.000	G	1.00	0.07	F	5.9484	0.0010	0.007	92		5.94	5.96					1							S
72935	10.511	0.052	9.887	0.047		0.590	0.020	G	0.66	0.02	H	9.9937	0.0049	0.026	58		9.94	10.04					1							
72936	8.546	0.011	8.169	0.011		0.385	0.015	G	0.45	0.02	H	8.2105	0.0015	0.012	97		8.19	8.23		C			1							
72937	9.394	0.015	8.236	0.010		0.994	0.014	T	0.97	0.01	L	8.2795	0.0015	0.017	137		8.25	8.31		C			1							S
72938	10.331	0.037	9.784	0.034		0.530	0.020	G	0.60	0.02	H	9.8133	0.0033	0.021	62		9.77	9.86		C			1							G
72939	8.408	0.010	7.956	0.009		0.440	0.011	T	0.51	0.01	L	8.0138	0.0017	0.016	124		7.99	8.05					1 G							S
72940	7.190	0.008	7.080	0.006	A	0.093	0.015	G	0.11	0.02	H *	7.0928	0.0014	0.007	58	*	7.08	7.11		D	14544−3409	I 1	2 C C	AB	220	3.146	0.042	4.04	0.19	S
72941	9.097	0.016	7.945	0.011		0.990	0.015	T	0.97	0.01	L	7.9769	0.0013	0.012	105		7.96	8.00					1							S
72942	9.601	0.014	9.017	0.013		0.536	0.003	G	0.61	0.00	H	9.0791	0.0022	0.024	187		9.04	9.12					1							
72943	9.088	0.018	7.518	0.010		1.317	0.016	T	1.28	0.02	L	7.5475	0.0015	0.009	53		7.53	7.57		C			1							S
72944	11.783	0.123	10.306	0.053		1.500	0.250	G	1.93	0.33	K	10.2007	0.0040	0.029	75		10.11	10.24		C			1							
72945	8.969	0.013	8.381	0.012	*	0.549	0.016	T	0.62	0.01	L *	8.5355	0.0013	0.018	220	*	8.50	8.56		D	14545+3405	I 1	2 C A	AB	245	3.551	0.006	1.63	0.03	S
72946	9.771	0.024	8.730	0.017		0.905	0.022	T	0.91	0.02	L	8.7952	0.0025	0.018	62		8.77	8.82		C			1							
72947	9.411	0.019	8.888	0.019		0.500	0.020	T	0.57	0.02	L	8.9273	0.0024	0.017	64		8.90	8.96		C			1							S
72948	9.919	0.031	8.721	0.019		1.025	0.028	T	1.00	0.02	L	8.7776	0.0030	0.014	48		8.75	8.80		C			1							
72949	9.763	0.030	8.387	0.017		1.165	0.027	T	1.13	0.02	L	8.4532	0.0021	0.013	47		8.42	8.47		C			1							
72950	8.720	0.013	7.726	0.010	*	0.890	0.015	G	0.90	0.01	H *	7.7521	0.0015	0.013	64	*	7.72	7.79		D	14545−3921	I 1	2 C A	AB	355	0.250	0.005	1.06	0.09	S
72951	8.603	0.007	8.071	0.007		0.499	0.009	T	0.57	0.01	L	8.1227	0.0011	0.013	224		8.10	8.15					1							S
72952	8.622	0.011	7.449	0.007		1.006	0.010	T	0.98	0.01	L	7.5001	0.0013	0.011	123		7.48	7.52		C			1							S
72953	7.340	0.005	6.888	0.005		0.430	0.015	G	0.50	0.02	H	6.9371	0.0011	0.010	129		6.92	6.95		C			1							S
72954											T	12.3230	0.0171	0.123	32		12.09	12.50					1							G
72955	10.826	0.057	10.354	0.067		0.560	0.072	G	0.63	0.07	R	10.2881	0.0038	0.033	80		10.22	10.34					1							
72956	10.616	0.050	8.963	0.022		1.382	0.043	T	1.35	0.05	L	8.9753	0.0028	0.019	57		8.95	9.00		C			1							
72957	8.594	0.014	8.108	0.014		0.491	0.015	G	0.56	0.02	H	8.1362	0.0021	0.012	54		8.12	8.16		C			1							S
72958	9.557	0.021	8.168	0.012		1.175	0.019	T	1.14	0.02	L	8.1999	0.0012	0.014	63		8.18	8.23		C			1							
72959	7.716	0.010	6.004	0.004		1.429	0.009	T	1.42	0.01	L	5.9879	0.0008	0.005	52		5.98	6.00		C	14546−3318	I 1	1							S
72960	9.621	0.018	8.912	0.015		0.617	0.004	G	0.69	0.00	H	8.9888	0.0022	0.016	116		8.96	9.02		C			1							
72961	9.446	0.015	7.638	0.007		1.505	0.013	T	1.53	0.02	L	7.5901	0.0013	0.013	142		7.57	7.61					1							S
72962	11.658	0.106	10.030	0.040		1.363	0.089	T	1.33	0.10	L	9.9227	0.0029	0.025	95		9.89	9.96					1							
72963	8.541	0.009	8.034	0.009		0.476	0.012	T	0.55	0.01	L	8.0780	0.0013	0.012	119		8.06	8.10		C			1							S
72964											T	11.3380	0.0079	0.055	44		11.21	11.41		U			1 X							G
72965	5.983	0.002	6.067	0.002		−0.061	0.015	G	−0.07	0.03	C	6.0642	0.0006	0.009	262		6.05	6.08					1							S P
72966	9.686	0.017	9.579	0.022	A	0.157	0.106	G	0.04	0.05	L *	9.4966	0.0056	0.084	182	*	9.43	9.75		U 2 C	14547−6753	I 1	2 C A	AB	111	5.165	0.015	1.91	0.09	G P
72967	8.947	0.011	8.972	0.015		0.101	0.015	G	0.01	0.01	L	8.9380	0.0020	0.023	157		8.89	8.97					1 S							
72968	11.503	0.066	10.130	0.031		1.162	0.057	T	1.12	0.05	L	10.1359	0.0031	0.034	145		10.09	10.21		C			1 X S							
72969	9.804	0.024	8.520	0.015		1.093	0.022	T	1.05	0.02	L	8.5932	0.0014	0.013	84		8.57	8.62		D			1							
72970	9.924	0.023	8.645	0.015		1.089	0.021	T	1.05	0.02	L	8.7149	0.0019	0.020	106		8.68	8.75					1							S
72971	9.868	0.024	8.765	0.015		0.951	0.022	T	0.94	0.02	L	8.7997	0.0014	0.014	112		8.78	8.82		C			1 S							S
72972	10.527	0.037	8.737	0.015		1.491	0.032	T	1.51	0.05	L	8.6741	0.0024	0.023	100		8.64	8.71					1							
72973	8.764	0.010	7.565	0.007		1.026	0.010	T	1.00	0.01	L	7.6306	0.0014	0.012	129		7.61	7.65					1							S
72974	10.857	0.060	10.276	0.061		0.640	0.020	G	0.70	0.02	H	10.2498	0.0049	0.026	58		10.21	10.30		C			1							G
72975	11.177	0.068	9.223	0.022		1.621	0.057	T	1.64	0.06	L	9.0960	0.0044	0.026	58		9.05	9.15					1							
72976	7.419	0.008	7.159	0.007		0.248	0.010	T	0.28	0.01	L	7.2109	0.0018	0.012	82		7.19	7.23		C			1							S
72977	9.348	0.021	8.976	0.022		0.321	0.015	G	0.37	0.02	H	9.0582	0.0019	0.012	65		9.04	9.08		C			1							
72978	9.084	0.023	8.296	0.019		0.699	0.023	T	0.76	0.02	L	8.3270	0.0021	0.010	39		8.31	8.35					1 S							S
72979	10.316	0.027	9.636	0.023		0.629	0.029	T	0.70	0.03	L	9.7029	0.0027	0.027	141		9.65	9.77					1							
72980	11.687	0.089	10.798	0.068		0.998	0.002	G	1.04	0.00	I	10.8785	0.0037	0.031	103		10.82	10.92					1							G
72981						1.377	0.023	G	1.62	0.04	I	11.3506	0.0071	0.048	79		11.26	11.43					1							G
72982	9.494	0.015	7.626	0.007		1.553	0.013	T	1.57	0.01	L	7.5668	0.0018	0.016	114		7.53	7.59		U			1							S
72983	6.287	0.002	6.365	0.003		−0.059	0.002	G	−0.04	0.00	H	6.3646	0.0008	0.007	165		6.35	6.38					1							S
72984	7.340	0.007	7.266	0.008	A	0.062	0.015	G	0.06	0.01	L *	7.2595	0.0026	0.010	54	*	7.24	7.27			14549−3626	I 1	2 C B	AB	260	4.749	0.033	3.82	0.12	S
72985	11.036	0.057	9.504	0.027		1.287	0.050	T	1.25	0.05	L	9.4781	0.0023	0.016	65		9.45	9.52		C			1							
72986	7.734	0.008	7.204	0.008		0.506	0.008	T	0.58	0.01	L	7.2628	0.0013	0.011	67		7.25	7.28		C			1							S
72987	8.952	0.010	8.922	0.013		0.028	0.014	T	0.04	0.01	L	8.9349	0.0017	0.021	150		8.89	8.98		C			1							
72988	10.351	0.061	8.511	0.025		1.530	0.052	T	1.57	0.11	L	8.4951	0.0041	0.017	31		8.46	8.51					1							
72989	9.748	0.020	7.692	0.008		1.740	0.018	T	2.70	0.03	O	7.4251	0.0040	0.033	157		7.38	7.50		U 2			1							
72990	7.846	0.010	7.455	0.009		0.396	0.015	G	0.46	0.02	H	7.5108	0.0021	0.011	51		7.49	7.54		C			1							S
72991	10.445	0.046	9.817	0.041		0.579	0.046	T	0.65	0.04	L	9.8423	0.0039	0.024	57		9.80	9.87		C			1							
72992	9.046	0.014	7.093	0.006		1.655	0.013	T	2.14	0.05	O	6.9540	0.0057	0.046	110		6.90	7.04		U 2			1 S							S P
72993	8.112	0.011	7.016	0.007		0.896	0.008	G	0.90	0.01	R	7.0804	0.0012	0.008	78		7.06	7.10		C			1							S
72994	8.867	0.016	7.533	0.010		1.132	0.015	T	1.10	0.02	L	7.5634	0.0010	0.007	72		7.55	7.57		C			1							S
72995	6.991	0.004	6.978	0.005		0.017	0.006	T	0.04	0.01	L	6.9869	0.0009	0.010	163		6.97	7.01					1							S
72996	8.925	0.015	7.887	0.011		0.903	0.014	T	0.90	0.01	L	7.9345	0.0017	0.016	84		7.91	7.96					1							S
72997	10.894	0.077	10.286	0.072	*	0.567	0.092	T	0.64	0.09	L *	10.3589	0.0047	0.025	46	*	10.30	10.40		D	14551−0744	I 1	2 C A	AB	134	0.481	0.013	0.26	0.06	
72998	10.443	0.050	9.611	0.039		0.716	0.004	G	0.76	0.00	H	9.6401	0.0031	0.017	50		9.60	9.67		C			1							
72999	10.766	0.050	10.105	0.042		0.613	0.055	T	0.68	0.05	L	10.1385	0.0034	0.024	97		10.09	10.17		C			1 S							G
73000	9.256	0.016	9.221	0.022		0.070	0.020	G	0.08	0.02	H	9.2579	0.0029	0.026	90		9.20	9.31					1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)												Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ $\alpha*$	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr													%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
73001	14 55 09.22	+21 08 38.4	9.22	H	223.788 431 45	+21.144 003 25		10.02	14.78	−19.86	0.76	0.74	1.32	1.01	1.27	−11	+11	−20	+38	+ 4	−11	+ 0	+25	+ 0	−68		0	−0.64
73002	14 55 09.49	+25 34 35.2	8.96	H	223.789 541 31	+25.576 430 66		4.04	−35.78	−5.99	0.93	0.78	1.11	1.14	0.89	− 5	−15	+ 2	+21	+14	− 6	+15	+25	−12	−22		0	0.55
73003	14 55 09.84	+15 19 00.4	9.64	H	223.791 001 01	+15.316 775 97		5.33	−29.87	3.79	1.25	1.09	1.54	1.43	1.17	+ 2	−29	−11	−29	−30	+30	−27	−21	+ 3	+ 3		2	−0.17
73004	14 55 11.44	+06 00 54.5	11.01	H	223.797 653 85	+06.015 139 59		8.42	−24.74	22.59	2.69	1.86	3.00	3.66	2.65	−38	−16	−13	+33	−17	− 3	−21	+ 0	+28	−40		0	−1.38
73005	14 55 12.00	+53 40 45.1	7.77	G	223.799 999 63	+53.679 183 67		41.83	−970.94	478.79	0.53	0.50	0.63	0.63	0.54	+ 6	−10	− 7	− 8	−19	− 1	−15	− 6	− 6	−31		0	0.60
73006	14 55 12.48	+27 35 33.2	8.90	H	223.801 985 22	+27.592 564 90		−0.32	−3.31	2.07	1.05	0.87	1.22	1.16	0.96	+ 0	−30	−14	+27	− 2	− 3	+ 4	+21	−22	− 9		0	1.13
73007	14 55 13.81	−07 17 34.4	8.04	H	223.807 560 68	−07.292 875 99		2.33	13.44	−8.88	0.98	0.87	1.22	1.14	0.93	− 5	−25	−44	+ 2	+ 3	− 8	+ 0	−16	+ 2	−17		0	0.66
73008	14 55 14.47	+10 49 49.1	8.83	H	223.810 290 67	+10.830 315 36		2.89	16.53	−12.73	1.03	0.89	1.51	1.04	1.14	−16	−43	−18	− 9	−33	+26	−43	− 1	+38	−23		0	−1.35
73009	14 55 15.61	+54 56 37.3	9.24	H	223.815 041 40	+54.943 682 27		7.44	13.12	9.24	0.70	0.73	0.86	0.72	0.76	−10	−14	+ 2	−14	− 4	+14	+ 0	− 2	−10	−33		0	0.56
73010	14 55 16.20	−02 06 50.6	8.98	H	223.817 493 38	−02.114 060 93		4.68	−41.03	−6.65	1.17	1.00	1.38	1.34	1.15	−18	−36	−27	+30	−15	+ 6	−11	+24	− 3	−23		0	1.08
73011 H	14 55 16.29	+69 13 40.2	8.59	G	223.817 871 59	+69.227 823 50	A	2.12	7.44	−20.63	0.93	1.17	1.02	0.98	1.26	− 4	+ 9	−15	+16	−17	+19	−10	+41	−16	−25		1	0.13
73012	14 55 16.50	−29 31 44.3	8.40	G	223.818 757 27	−29.528 963 50		18.90	−203.43	129.78	1.04	0.92	1.24	1.23	1.11	−13	−26	−28	+19	+ 2	− 2	+ 7	+16	−23	−20		0	0.25
73013	14 55 17.00	−82 55 08.2	8.49	H	223.820 846 48	−82.918 954 32		5.95	−4.23	2.70	0.62	0.63	0.76	0.77	0.78	+ 7	− 5	+16	+11	+ 1	− 6	+ 1	+20	+17	+ 7		0	0.73
73014	14 55 17.55	−04 22 20.0	9.61	H	223.823 112 11	−04.372 232 36		2.67	−28.61	−8.84	1.48	1.48	2.42	1.69	1.64	− 3	−40	−61	+21	+17	−23	−17	−37	+53	−39		0	0.70
73015	14 55 18.92	+32 49 26.2	7.22	H	223.828 818 37	+32.823 931 01		5.28	−2.73	−14.98	0.37	0.51	0.79	0.44	0.65	+37	− 5	−13	+ 9	− 9	+ 2	− 9	− 1	− 4	+42		0	2.24
73016	14 55 18.93	−46 37 52.5	7.30	H	223.828 887 77	−46.631 242 21		4.88	23.14	−27.09	0.62	0.63	0.97	0.77	0.93	−31	−14	−20	+12	+ 0	−33	−11	+12	+35	−43		2	−0.99
73017	14 55 20.71	−60 31 06.1	8.43	H	223.836 301 17	−60.518 347 44		2.78	10.19	4.30	0.88	0.66	1.28	1.09	1.28	+32	−35	−13	+ 5	+11	− 8	− 1	−21	+38	+17		0	−0.17
73018	14 55 22.52	+32 58 26.8	8.66	H	223.843 814 36	+32.974 107 51		15.76	−54.45	19.15	0.50	0.69	1.05	0.64	0.90	+40	− 2	− 1	+13	− 4	+ 0	− 2	+ 0	− 7	+49		0	0.77
*73019	14 55 22.85	+06 47 05.3	6.74	H	223.845 192 06	+06.784 791 70		3.77	4.12	−8.29	1.42	0.96	1.52	1.64	1.28	−22	−17	−12	+ 5	−24	− 8	−31	− 1	+15	−29		0	
*73020	14 55 22.80	−66 39 38.0	8.13	H	223.845 006 18	−66.660 544 10		2.12	−6.18	−11.68	0.46	0.67	0.96	0.55	0.83	+37	+ 3	+ 9	− 9	+11	− 9	+ 8	+20	−11	+47		0	−3.49
73021 H	14 55 24.68	−55 25 53.1	7.91	H	223.852 813 89	−55.431 428 77	A	6.93	−33.60	−15.98	1.80	1.68	2.27	2.14	2.15	+12	−13	−10	+14	+ 8	−17	+10	+ 6	−28	+27		4	1.29
73022	14 55 25.53	−09 28 27.3	8.16	H	223.856 370 31	−09.474 262 21		2.58	−24.27	−0.52	0.98	0.69	1.04	1.16	0.80	−39	−10	−18	+34	−30	+17	−23	+ 0	− 1	−30		0	−1.01
*73023 H	14 55 25.92	+43 54 06.1	10.97	H	223.858 006 99	+43.901 707 39	A	3.70	−103.80	29.15	3.12	2.93	3.61	3.43	3.00	+14	− 5	+ 1	−17	− 4	−10	− 5	+ 6	+ 1	+19		2	0.13
*73024	14 55 25.82	−44 20 02.5	7.99	2 G	223.857 576 19	−44.334 035 46		4.19	−22.66	−4.90	0.65	0.56	0.86	0.78	0.87	−54	−16	+ 7	+11	− 1	−10	+ 5	+ 6	−10	−25		0	−0.31
73025	14 55 26.50	+07 45 43.5	7.63	H	223.860 416 73	+07.762 079 83		2.91	−40.37	−16.71	1.01	0.71	1.06	1.25	0.88	−37	− 4	+ 4	+15	−37	+ 1	−36	+ 5	− 1	−30		2	1.52
73026	14 55 26.69	−31 25 05.6	8.04	H	223.861 195 48	−31.418 213 14		2.09	−39.04	21.52	1.17	0.79	1.32	1.09	0.86	+ 0	−43	−20	+23	+10	+ 3	+11	+ 1	+ 4	+ 0		0	−0.13
73027	14 55 26.80	−25 36 56.0	8.32	G	223.861 675 19	−25.615 552 17		1.33	−0.91	−15.26	1.04	0.63	1.12	1.35	0.97	−15	− 7	−14	+ 0	−10	+ 5	−10	− 8	+ 9	+ 9		0	1.59
73028	14 55 28.61	+12 25 51.1	6.78	H	223.869 195 87	+12.430 873 74		9.08	−33.08	−43.96	0.68	0.58	0.79	0.76	0.67	−16	− 4	−12	−14	−36	+15	−33	+18	− 8	−27		0	0.58
73029	14 55 29.21	+39 39 10.8	7.52	H	223.871 714 67	+39.652 996 67		5.31	21.34	23.76	0.53	0.60	0.78	0.60	0.66	+14	+ 8	− 7	−13	− 6	−20	− 8	−16	+ 3	+ 4		0	−0.31
73030	14 55 30.05	−37 09 41.5	7.59	G	223.875 229 08	−37.161 534 52		8.88	13.74	−10.53	0.80	0.86	1.11	1.00	1.05	−29	− 5	−44	+ 5	+ 2	− 2	+ 3	−11	+ 8	−27		0	−0.36
73031	14 55 31.08	−10 16 53.4	8.03	H	223.879 493 36	−10.281 510 27		5.71	−24.67	−2.05	1.00	0.56	0.99	1.09	0.70	−50	−27	− 3	+52	−34	+18	−34	+11	+12	−45		0	0.71
73032	14 55 32.88	−15 20 25.0	9.00	H	223.886 993 62	−15.340 283 19		6.74	−19.07	−1.76	1.43	1.31	2.02	1.68	1.54	−27	−32	−50	+26	+26	−28	− 4	−54	+56	−50		0	2.25
73033	14 55 33.11	+00 43 53.9	8.55	H	223.887 962 24	+00.731 640 01		9.35	10.31	−7.74	1.13	0.98	1.28	1.42	1.21	− 4	−18	−30	+40	+13	+20	+26	+12	− 9	+ 0		0	0.14
73034	14 55 33.57	+35 27 21.5	8.47	2 H	223.889 873 61	+35.455 971 04		−0.57	15.33	−17.09	0.62	0.72	0.97	0.76	0.84	+ 7	+ 2	− 4	− 3	+12	− 7	+11	+ 4	− 9	+ 0		0	0.28
73035	14 55 34.69	−44 23 32.1	9.12	G	223.894 528 56	−44.392 248 68		4.43	−21.96	−6.88	0.88	0.77	1.15	1.22	1.26	−51	−12	+ 6	+27	− 7	− 4	− 2	+17	+ 7	−26		0	0.45
73036	14 55 34.71	−60 06 50.0	5.18	H	223.894 615 16	−60.113 891 33		18.87	−125.69	−112.25	0.54	0.45	0.80	0.69	0.83	+12	−37	−14	+14	+25	−12	+11	−17	+32	−12		0	−0.92
73037	14 55 34.97	+30 38 32.7	8.78	H	223.895 716 66	+30.642 403 36		3.63	−13.64	6.66	0.74	0.77	1.10	0.98	0.95	−13	− 2	−24	− 4	+13	+ 3	+11	−11	+ 2	−46		0	−1.17
73038	14 55 35.97	−01 26 59.8	9.61	G	223.899 869 21	−01.449 939 68		7.98	−38.31	0.98	1.43	1.23	1.48	1.63	1.37	−23	−10	−21	+49	−23	+30	−14	+54	−23	−26		0	−0.59
73039	14 55 37.71	+52 34 02.3	7.82	H	223.907 124 35	+52.567 300 82		15.94	−255.72	−18.11	0.54	0.51	0.64	0.54	0.52	+ 6	−16	−10	− 6	−10	− 1	− 8	− 3	− 9	−17		1	1.03
73040	14 55 37.95	+10 41 33.0	8.47	H	223.908 123 82	+10.692 513 53		2.70	−21.48	−14.58	0.91	0.85	1.37	0.96	1.01	−21	−31	−22	− 8	−32	+33	−35	+ 1	+27	−25		0	−1.90
73041	14 55 38.54	−79 48 20.6	9.16	2 T	223.910 603 49	−79.805 725 20		4.89	−19.05	−1.74	0.75	0.86	0.96	0.90	1.13	+13	− 7	− 4	− 9	− 7	+ 1	− 8	−10	+ 6	+16		0	−0.06
73042	14 55 39.46	−53 39 11.9	8.41	G	223.914 424 02	−53.653 310 44		9.42	−19.87	5.32	0.80	0.72	1.10	0.88	0.92	+10	−33	−21	+13	+26	− 6	+15	−21	+20	−12		0	−0.71
73043	14 55 39.47	−78 52 58.9	7.36	H	223.914 440 57	−78.883 015 94		7.96	−6.65	−18.09	0.46	0.51	0.62	0.47	0.56	+11	−15	+ 2	+ 1	+ 6	− 3	+ 4	+ 8	+11	+20		0	2.62
*73044	14 55 42.04	−12 38 40.3	8.77	H	223.925 181 53	−12.644 540 48		1.34	−6.13	12.52	1.23	0.78	1.36	1.68	1.26	−24	−16	−13	+ 9	−24	−18	−35	−12	+29	−38		0	−0.13
*73045	14 55 42.03	−25 16 18.9	10.15	H	223.925 140 69	−25.271 922 13		2.41	−25.66	−7.35	1.64	1.13	1.82	1.94	1.58	−19	−12	− 1	− 1	+ 2	−16	+ 6	−18	−15	+ 0		0	4.16
73046	14 55 42.69	+27 07 59.4	10.90	H	223.927 855 16	+27.133 168 85		1.78	15.27	−45.03	1.53	1.40	1.94	1.66	1.61	−16	−24	−13	+14	−10	+ 1	+ 1	+30	−31	−42		0	3.16
73047 H	14 55 43.86	+76 18 23.9	8.77	1 H	223.932 733 23	+76.306 645 72	*	3.71	−22.17	−31.64	1.42	1.33	0.97	0.85	0.98	+ 4	+ 2	−29	−11	− 8	+10	− 7	− 4	− 8	−14		1	0.14
73048	14 55 44.25	+37 58 27.1	8.71	H	223.934 359 59	+37.974 187 89		5.02	5.75	0.51	0.59	0.62	0.87	0.70	0.75	+19	+ 2	−10	− 7	− 5	−20	− 8	−11	− 1	+19		0	1.33
73049	14 55 44.69	−33 51 20.8	5.32	H	223.936 227 72	−33.855 780 04		13.20	19.18	−2.03	0.69	0.54	0.81	0.67	0.66	− 5	−26	−22	+ 1	− 7	− 6	−11	+ 9	+ 6	−24		0	0.16
73050	14 55 44.96	−73 45 05.4	8.24	H	223.937 338 60	−73.751 494 02		1.55	−12.92	−8.21	0.62	0.72	1.01	0.73	0.82	+22	−13	+ 8	− 4	− 3	−35	+ 1	+12	−22	+36		0	0.13
73051	14 55 45.69	−45 58 26.5	8.11	G	223.940 360 16	−45.974 029 90		7.08	−30.29	−2.25	0.72	0.71	1.17	0.83	0.96	−29	−26	−25	+ 8	+17	−44	− 3	−12	+41	−46		0	1.66
73052	14 55 46.31	−73 09 59.4	7.79	H	223.942 956 02	−73.166 510 11		15.79	−93.37	−43.14	0.52	0.64	0.83	0.60	0.74	+27	−18	− 8	+ 6	+ 9	−31	+ 9	+20	−20	+35		0	−0.67
73053	14 55 46.57	+39 38 54.3	8.00	H	223.944 030 51	+39.648 416 51		9.66	−10.83	15.64	0.58	0.61	0.82	0.65	0.69	+17	+ 7	−13	−11	− 4	−20	− 7	−14	+ 6	+ 1		0	−0.67
73054	14 55 47.04	−70 31 13.2	8.16	H	223.945 998 49	−70.520 326 34		4.72	10.01	−25.27	0.57	0.72	0.95	0.63	0.80	+24	−21	+ 6	+ 6	+10	− 6	+11	+13	−10	+43		0	−1.40
73055 H	14 55 47.27	−13 12 21.6	8.31	H	223.946 951 58	−13.206 009 75	A	4.73	−3.17	−4.86	1.60	0.95	1.78	1.78	1.51	− 9	−29	−10	+ 0	−33	−11	−49	−22	+32	−27		1	−0.74
73056	14 55 48.10	+07 17 53.8	11.29	G	223.950 433 23	+07.298 278 72		27.80	−173.64	−247.23	2.41	1.77	2.62	2.91	2.26	−43	− 8	− 3	+ 4	−16	− 6	−17	−13	+ 8	−41		0	0.32
73057	14 55 48.44	−44 41 48.1	7.95	H	223.951 842 54	−44.696 691 88		3.41	8.74	5.29	0.72	0.69	0.98	0.94	0.98	−47	−10	+ 2	+31	+ 2	− 6	+ 8	+16	+11	−20		0	−1.24
73058	14 55 48.56	+09 09 12.1	9.10	G	223.952 346 72	+09.153 351 00		5.76	19.11	0.05	0.98	0.90	1.30	1.04	1.13	−42	−17	−17	−14	− 9	+15	−15	−16	+24	−50		0	−0.70
73059	14 55 48.77	−24 16 50.0	8.13	2 H	223.953 190 21	−24.280 561 95		4.88	−5.94	−7.02	0.91	0.60	1.03	1.27	0.85	−22	+ 3	−24	+17	− 8	+16	+ 4	−11	+22	+17		2	1.60
73060	14 55 49.36	+20 31 47.8	8.74	H	223.955 685 15	+20.529 950 48		9.91	−17.11	−49.70	0.79	0.74	1.27	1.12	1.12	− 5	−18	−20	+12	− 2	−25	− 5	+11	− 9	−39		0	−0.94
73061	14 55 50.60	−18 22 02.1	8.37	H	223.960 833 40	−18.367 259 52		11.01	54.25	−38.90	1.00	0.71	1.11	1.10	0.86	−33	−25	−19	+28	−23	+11	−20	+15	− 2	−35		0	0.83
73062	14 55 50.88	+13 40 01.2	9.57	H	223.961 996 27	+13.666 997 49		3.96	4.89	−6.05	1.39	1.01	1.36	1.62	1.12	+15	+ 3	+16	−51	−34	−10	−34	−27	+ 2	+19		0	−0.41
73063	14 55 52.41	+72 48 11.1	8.56	H	223.968 360 85	+72.803 080 30		3.85	−12.81	35.10	0.68	0.72	0.76	0.77	0.85	+20	−17	−31	+19	+ 3	+ 1	+ 5	+15	−10	+15		0	−0.24
73064	14 55 53.19	−13 54 02.4	7.59	2 G	223.971 637 68	−13.900 672 57		3.70	−14.20	−14.16	0.90	0.68	1.19	1.19	1.03	−33	−15	−40	+32	− 4	−15	−23	−24	+45	−55		0	−0.25
73065	14 55 53.63	+36 25 48.7	7.66	H	223.973 473 87	+36.430 186 23		14.80	−110.31	−30.34	0.55	0.61	0.84	0.59	0.70	+24	− 2	+ 2	+ 7	+ 5	− 6	+ 5	+11	− 1	+20		0	0.77
73066	14 55 55.09	−27 07 38.1	9.00	G	223.979 523 75	−27.127 236 83		35.39	−102.96	−22.61	1.28	0.73	1.26	1.94	1.32	−18	+ 1	+11	−27	−27	−16	−37	−11	− 9	+25		0	−0.88
73067	14 55 58.11	−60 54 21.3	6.69	H	223.992 127 87	−60.905 922 27		8.57	−33.93	−4.64	0.60	0.48	0.84	0.66	0.80	+27	−33	− 3	+ 4	+ 8	−21	+ 4	−18	+15	+ 4		0	0.02
73068 T	14 55 58.63	+32 18 00.3	6.12	H	223.994 290 53	+32.300 070 60		10.41	−53.33	−3.23	0.35	0.47	0.72	0.42	0.55	+27	−10	−20	+15	−18	− 1	−20	− 8	+ 2	+19		3	1.32
73069	14 55 59.74	+42 51 30.3	8.70	G	223.998 916 20	+42.858 423 26		3.98	36.08	−5.10	0.64	0.67	0.84	0.78	0.76	+15	− 7	−12	+17	− 2	−11	− 2	+20	− 9	− 4		0	0.19
73070	14 55 59.86	+41 08 11.5	7.18	H	223.999 404 07	+41.136 519 87		9.24	−10.05	35.69	0.46	0.51	0.65	0.55	0.61	+11	− 2	− 5	+14	− 2	+ 9	− 1	+16	−13	+ 5		2	0.31
73071	14 56 00.38	+24 23 09.9	6.82	H	224.001 570 99	+24.386 074 08		5.78	41.29	−23.35	0.57	0.52	0.83	0.74	0.61	−18	−18	−24	+14	+16	−28	+ 9	+ 7	−13	−47		0	2.36
73072	14 56 01.14	+42 47 32.8	8.33	H	224.004 742 13	+42.792 444 73		3.07	−39.83	7.27	0.65	0.70	0.86	0.78	0.79	+18	+ 5	−10	+13	+ 5	−11	+ 5	+22	− 2	+ 6		0	0.74
73073	14 56 02.05	−56 56 42.4	9.06	H	224.008 550 26	−56.945 112 16		7.58	31.09	−31.81	0.96	0.77	1.31	1.02	0.99	+ 7	−45	− 9	+21	+16	−17	+12	+13	+ 5	+12		0	−0.61
73074	14 56 02.54	−15 39 23.6	8.00	G	224.010 591 65	−15.656 549 53		7.64	0.96	10.47	1.01	0.81	1.42	1.44	1.07	−37	+ 4	−54	+16	+ 2	−18	− 8	−35	+42	−49		0	0.50
73075	14 56 03.28	−74 25 23.2	8.75	H	224.013 658 26	−74.423 097 66		17.89	163.62	−48.10	0.64	0.73	0.94	0.83	0.88	+13	− 4	+ 7	−14	+ 1	−15	+ 1	+ 8	−10	+19		0	0.99
73076	14 56 05.28	+66 37 06.7	8.45	H	224.021 999 76	+66.618 533 23		3.69	−4.16	1.21	0.66	0.64	0.72	0.64	0.71	+10	−24	−13	−22	− 8	− 7	− 9	+ 0	− 1	+ 5		1	1.84
73077	14 56 07.63	+29 52 53.4	9.41	H	224.031 790 81	+29.881 508 80		4.44	12.52	−15.29	1.05	0.95	1.50	1.33	1.21	−15	− 5	−19	−38	+20	− 4	+30	−10	− 2	−49		0	1.18
73078	14 56 08.07	+43 19 03.3	7.91	G	224.033 634 24	+43.317 579 65		14.78	−74.83	92.17	0.62	0.63	0.86	0.85	0.78	+13	− 3	−10	+ 8	+ 1	−21	+ 1	+21	−17	+ 3		1	0.73
73079	14 56 08.51	+31 08 35.6	8.76	1 H	224.035 474 47	+31.143 217 59		3.20	3.32	1.45	0.79	0.91	1.34	0.94	1.17	−17	+16	−25	−11	+10	−21	+12	− 7	+26	−47		0	0.53
73080	14 56 09.37	+25 05 15.4	8.05	H	224.039 057 71	+25.087 612 51		11.05	−60.16	42.81	0.82	0.63	1.02	0.99	0.74	− 5	−30	− 9	+32	+12	−15	+14	+23	−25	−30		0	−0.15
73081	14 56 09.66	+48 04 44.0	8.52	H	224.040 233 81	+48.078 886 85		6.33	−26.95	19.64	0.69	0.66	0.82	0.87	0.79	+16	−19	−17	+ 4	− 3	− 5	− 3	+12	− 5	+16		0	0.14
73082	14 56 11.99	−35 23 15.5	8.78	2 H	224.049 942 54	−35.387 633 83		1.70	1.23	0.11	1.06	0.97	1.31	1.07	1.06	−25	− 5	−28	− 4	+21	−16	+18	−27	+23	−24		0	−0.54
73083	14 56 12.52	+09 49 23.2	9.06	H	224.052 183 94	+09.823 111 12		2.33	−16.10	−28.26	1.12	0.92	1.39	1.12	1.16	−29	−19	− 7	−22	−24	+12	−31	+ 1	+22	−37		0	0.89
73084	14 56 12.96	−38 35 57.8	8.98	H	224.054 007 06	−38.599 377 38		6.79	25.88	−27.55	1.10	1.11	1.45	1.27	1.45	−24	− 9	−33	+ 2	+ 5	−21	− 4	− 3	+15	−37		0	1.21
73085 H	14 56 12.99	+17 44 53.0	11.16	G	224.054 135 14	+17.748 056 27	*	11.64	−188.13	50.89	5.67	6.02	3.68	3.59	3.09	−60	−12	−11	+15	−11	−10	−17	+ 8	+13	−46		3	1.47
73086	14 56 13.02	−52 16 53.7	9.69	H	224.054 268 59	−52.281 587 64		1.99	3.09	−6.49	1.00	0.95	1.40	1.00	1.19	− 4	−37	−16	−14	+22	−20	+13	−38	+14	−25		0	1.23
73087	14 56 13.24	+14 26 46.6	5.90	H	224.055 158 40	+14.446 265 86		5.96	−12.78	−0.08	0.72	0.55	0.74	0.73	0.59	+ 8	−19	− 7	−28	−29	+ 7	−29	−19	+ 0	− 1		0	−0.64
73088	14 56 13.40	+39 11 24.1	10.21	H	224.055 818 59	+39.190 027 58		4.12	32.11	−89.55	0.99	1.09	1.40	1.09	1.23	+27	− 7	−12	− 7	−14	− 2	−19	−27	+16	+ 3		1	1.86
73089	14 56 13.71	−37 03 58.6	8.86	H	224.057 106 07	−37.066 280 76		0.92	−19.07	−17.70	1.18	1.21	1.49	1.61	1.54	−31	− 1	−39	− 3	+ 9	+11	+19	−33	+21	−11		7	−1.19
73090	14 56 14.78	−44 05 31.7	7.89	H	224.061 562 69	−44.092 125 97		5.10	19.02	−0.19	0.65	0.60	0.96	0.85	0.93	−60	−10	+ 8	+24	−10	−13	− 5	+21	−25	−22		0	0.50
73091	14 56 15.60	−61 16 02.7	7.71	G	224.064 988 41	−61.267 425 03		13.42	−79.00	−56.23	0.69	0.52	0.98	0.76	0.79	+31	−23	+ 8	+ 6	− 5	−33	− 3	− 5	− 5	+23		0	0.75
73092	14 56 16.14	+06 09 32.6	8.44	H	224.067 247 32	+06.159 068 38		5.62	−48.98	33.36	1.63	1.07	1.39	2.13	1.37	+32	−38	−21	+52	+28	−11	+26	+51	− 4	+39		3	2.44
73093	14 56 16.86	+03 24 58.4	7.11	H	224.070 234 52	+03.416 220 34		6.99	−42.60	−41.36	1.40	0.88	1.15	2.56	1.38	+28	− 4	−13	+63	+39	−13	+52	+33	−21	+69		0	1.02
73094	14 56 16.90	+08 52 55.0	9.87	G	224.070 400 96	+08.881 956 31		18.53	−260.46	−24.33	1.41	1.26	2.22	1.43	1.75	−25	−27	−35	−19	−15	+19	−30	−34	+45	−38		0	−0.77
73095	14 56 17.23	−52 48 34.4	5.38	H	224.071 770 99	−52.809 567 07		15.08	27.59	7.90	0.46	0.44	0.72	0.45	0.54	− 4	−36	−31	− 4	+28	−35	+10	−26	+27	−43		2	−0.08
73096	14 56 19.37	−18 55 41.5	7.69	G	224.080 715 78	−18.928 208 00		14.07	42.92	−10.73	0.81	0.60	0.94	0.96	0.71	−40	− 6	−30	+36	−24	+28	−14	+ 9	− 4	−37		0	−0.06
73097	14 56 19.83	−16 48 02.4	7.28	G	224.082 627 52	−16.800 672 89		7.42	−5.85	−28.75	0.88

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
73001	9.769	0.014	9.241	0.013		0.495	0.017	T	0.57	0.02	L	9.3240	0.0018	0.021	156		9.29	9.36					1							
73002	9.476	0.019	9.003	0.018		0.446	0.024	T	0.52	0.03	L	9.0603	0.0030	0.020	98		9.03	9.09					1							S
73003	10.242	0.037	9.699	0.036		0.509	0.046	T	0.58	0.05	L	9.7473	0.0025	0.021	84		9.70	9.79					1							
73004						0.625	0.126	G	0.69	0.11	R	11.1441	0.0047	0.043	49		11.07	11.21		C			1							G
73005	8.756	0.012	7.829	0.009		0.785	0.005	G	0.87	0.02	A	7.9055	0.0010	0.009	113		7.89	7.92		C			1							S
73006	11.057	0.056	9.090	0.019		1.631	0.047	T	1.65	0.05	L	9.0158	0.0034	0.030	91		8.97	9.06					1							
73007	9.617	0.027	8.143	0.015		1.200	0.015	G	1.16	0.01	H	8.2019	0.0016	0.010	48		8.19	8.22		C			1							S
73008	10.186	0.033	8.933	0.019		1.068	0.030	T	1.03	0.03	L	8.9897	0.0025	0.015	81		8.96	9.01		C			1							
73009	9.779	0.020	9.309	0.020		0.443	0.026	T	0.51	0.03	L	9.3371	0.0021	0.018	105		9.31	9.37		C			1							
73010	9.683	0.029	9.004	0.026		0.617	0.029	T	0.69	0.03	L	9.1097	0.0026	0.018	53		9.08	9.13		C			1							
73011	10.019	0.021	8.695	0.012	A	1.052	0.197	G	1.00	0.02	L *	8.7282	0.0016	0.016	121	*	8.70	8.75		D	14553+6914	H 1	2 C	B	AB	152	1.845	0.033	3.50	0.15	
73012	9.152	0.017	8.472	0.015		0.633	0.004	G	0.70	0.00	H	8.5310	0.0026	0.014	55		8.51	8.56					1 G							
73013	9.216	0.013	8.558	0.012		0.601	0.013	T	0.67	0.01	L	8.6231	0.0018	0.017	147		8.60	8.66		C			1							
73014	10.313	0.064	9.680	0.058		0.588	0.075	T	0.66	0.07	L	9.7316	0.0032	0.017	42		9.70	9.76					1							
73015	8.655	0.006	7.343	0.004		1.114	0.006	T	1.08	0.01	L	7.3924	0.0008	0.011	268		7.37	7.42		C			1							S
73016	8.535	0.011	7.411	0.007		0.958	0.025	G	1.00	0.02	A	7.4667	0.0011	0.012	99		7.44	7.48					1							S
73017	10.094	0.023	8.613	0.012		1.247	0.020	T	1.21	0.02	L	8.5905	0.0014	0.017	146		8.56	8.62					1							
73018	9.312	0.009	8.708	0.008		0.563	0.011	T	0.64	0.01	L	8.7801	0.0015	0.021	265		8.74	8.82					1							
73019	8.848	0.013	6.934	0.006		1.589	0.011	T	1.61	0.01	L	6.8596	0.0014	0.012	95		6.84	6.88			14554+0647	I 1	1 X							S
73020	8.063	0.005	8.116	0.006		−0.045	0.007	T	−0.02	0.01	L	8.1217	0.0013	0.017	251		8.09	8.15					1							
73021	8.663	0.017	7.941	0.015	*	0.649	0.017	T	0.71	0.01	L *	8.0445	0.0032	0.019	85	*	8.01	8.08		R	14554−5526	I 1	2 C	A	AB	227	7.110	0.006	0.35	0.02	S
73022	9.915	0.029	8.313	0.015		1.342	0.026	T	1.31	0.03	L	8.3146	0.0018	0.011	69		8.30	8.34		C			1							S
73023	11.657	0.107	11.177	0.113	A	0.583	0.072	G	0.65	0.07	R *	11.1000	0.0052	0.053	111	*	10.96	11.18			14554+4354	H 1	2 C	B	AB	5	4.708	0.042	2.25	0.17	G
73024	8.260	0.007	8.010	0.008		0.234	0.003	G	0.25	0.02	A	8.0592	0.0010	0.013	170		8.04	8.08		U			1							S
73025	9.491	0.019	7.789	0.009		1.421	0.017	T	1.41	0.03	L	7.7666	0.0021	0.017	117		7.74	7.79					1							S
73026	9.822	0.030	8.215	0.015		1.346	0.026	T	1.31	0.03	L	8.1955	0.0023	0.013	55		8.17	8.23		C			1							
73027	10.515	0.042	8.530	0.015		1.671	0.020	G	1.68	0.09	H	8.4107	0.0019	0.017	82		8.38	8.45					1							
73028	6.832	0.005	6.785	0.007		0.042	0.002	G	0.06	0.00	H	6.8032	0.0011	0.007	91		6.79	6.81		C			1							S
73029	8.864	0.011	7.631	0.007		1.053	0.010	T	1.02	0.01	L	7.6885	0.0010	0.013	165		7.67	7.71					1							S
73030	8.046	0.011	7.619	0.012		0.412	0.015	G	0.48	0.02	H	7.6841	0.0010	0.009	53		7.67	7.71		C			1							S
73031	8.309	0.010	8.047	0.011		0.249	0.014	T	0.28	0.02	L	8.0987	0.0020	0.014	89		8.08	8.12					1							S
73032	9.120	0.017	8.994	0.021		0.122	0.025	T	0.14	0.03	L	9.0431	0.0021	0.014	60		9.02	9.07		C			1 G							S
73033	9.065	0.022	8.605	0.022		0.434	0.028	T	0.50	0.03	L	8.6512	0.0023	0.011	46		8.63	8.67		C			1							S
73034	10.591	0.026	8.708	0.010		1.564	0.022	T	1.58	0.02	L	8.5831	0.0031	0.027	173		8.53	8.63		U 2			1							
73035	9.458	0.015	9.150	0.016		0.293	0.015	G	0.33	0.02	H	9.2078	0.0018	0.021	162		9.17	9.24					1							
73036	6.684	0.004	5.310	0.003		1.161	0.000	G	1.12	0.00	H	5.3418	0.0008	0.007	135		5.33	5.35					1							S
73037	9.116	0.013	8.829	0.014		0.297	0.015	G	0.34	0.02	H	8.8593	0.0019	0.022	131		8.83	8.91					1							S
73038	10.063	0.036	9.647	0.037		0.496	0.015	G	0.57	0.02	H	9.7161	0.0033	0.020	58		9.68	9.75		C			1							
73039	9.068	0.011	7.936	0.008		0.974	0.011	T	0.96	0.01	L	7.9899	0.0011	0.010	137		7.97	8.01		C			1							S
73040	10.361	0.035	8.583	0.016		1.481	0.030	T	1.50	0.04	L	8.5996	0.0016	0.014	81		8.58	8.62		C			1							S
73041	9.953	0.021	9.235	0.018		0.660	0.022	T	0.72	0.02	L	9.3066	0.0179	0.112	122		9.19	9.49	1.07	P 1 A			1							
73042	9.009	0.013	8.478	0.013		0.529	0.015	G	0.60	0.02	H	8.5268	0.0015	0.015	114		8.49	8.55		C			1							
73043	7.433	0.005	7.365	0.006		0.061	0.007	T	0.07	0.01	L	7.3876	0.0010	0.011	151		7.37	7.41		C			1							S
73044	10.046	0.032	8.873	0.020		1.006	0.029	T	0.98	0.02	L	8.9352	0.0029	0.019	64		8.91	8.96					1							
73045	10.851	0.062	10.187	0.052		0.615	0.068	T	0.68	0.06	L	10.2822	0.0028	0.028	79		10.21	10.32					1							G
73046	11.577	0.082	11.010	0.090		0.530	0.108	T	0.60	0.11	L	11.0198	0.0054	0.041	94		10.94	11.09		C			1							G
73047	9.269	0.015	8.806	0.015	*	0.436	0.019	T	0.50	0.02	L *	8.8670	0.0033	0.031	113	*	8.83	8.91	0.19	P 1 A	14557+7618	H 1	2 C	A	AB	141	0.221	0.005	0.47	0.14	
73048	9.069	0.011	8.724	0.012		0.327	0.015	T	0.38	0.02	L	8.7872	0.0016	0.019	155		8.76	8.82		C			1							S
73049	5.374	0.004	5.323	0.004		0.046	0.005	T	0.06	0.00	L	5.3402	0.0006	0.004	63		5.33	5.35			14557−3351	I 1	1							S
73050	9.731	0.018	8.380	0.011		1.145	0.017	T	1.11	0.01	L	8.4084	0.0015	0.017	153		8.38	8.44					1							
73051	8.423	0.010	8.121	0.010		0.285	0.015	G	0.32	0.02	H	8.1768	0.0017	0.016	104		8.16	8.21		C			1							S
73052	8.328	0.009	7.836	0.009		0.495	0.001	G	0.57	0.00	H	7.8956	0.0010	0.012	155		7.88	7.93		C			1							S
73053	8.489	0.009	8.050	0.008		0.414	0.011	T	0.48	0.01	L	8.0936	0.0015	0.015	165		8.06	8.12			14558+3939	I 1	1	S						S
73054	9.359	0.014	8.295	0.010		0.922	0.013	T	0.92	0.01	L	8.3253	0.0016	0.018	158		8.30	8.36					1							
73055	8.926	0.018	8.412	0.018	A	0.400	0.495	G	0.50	0.05	L *	8.4031	0.0023	0.015	62	*	8.37	8.42		D	14558−1312	I 1	2 C	A	AB	10	2.353	0.015	3.22	0.09	
73056						1.414	0.016	G	1.71	0.04	I	11.3708	0.0061	0.043	97		11.29	11.44		C			1							G
73057	10.013	0.021	8.121	0.009		1.572	0.018	T	1.64	0.02	A	8.0575	0.0014	0.014	151		8.04	8.08					1							
73058	9.528	0.016	9.111	0.016		0.407	0.015	G	0.47	0.02	H	9.1762	0.0015	0.018	119		9.14	9.21					1							
73059	8.366	0.011	8.164	0.012		0.193	0.015	T	0.21	0.02	L	8.1923	0.0036	0.021	80		8.17	8.23		U 2			1							S
73060	9.410	0.013	8.803	0.012		0.566	0.016	T	0.64	0.01	L	8.8627	0.0016	0.023	125		8.83	8.90					1							S
73061	9.384	0.017	8.486	0.013		0.783	0.016	T	0.82	0.01	L	8.5100	0.0014	0.011	82		8.50	8.53		C			1							
73062	9.997	0.029	9.577	0.030		0.397	0.039	T	0.46	0.04	L	9.6633	0.0036	0.025	78		9.63	9.72					1							
73063	9.958	0.027	8.659	0.017		1.104	0.025	T	1.07	0.03	L	8.7261	0.0012	0.013	97		8.69	8.75		D			1							
73064	7.977	0.011	7.612	0.009		0.325	0.004	G	0.38	0.01	H	7.6731	0.0031	0.021	75		7.64	7.70		U 2			1							S
73065	9.012	0.011	7.770	0.007		1.060	0.010	T	1.03	0.01	L	7.8261	0.0013	0.016	153		7.80	7.85					1							S
73066	10.326	0.032	9.054	0.019		1.005	0.015	G	1.05	0.02	I	9.1286	0.0024	0.019	92		9.10	9.16					1	S						
73067	7.929	0.007	6.805	0.005		0.968	0.007	T	0.95	0.01	L	6.8529	0.0010	0.010	161		6.84	6.87			14560−6054	I 1	1	S						S
73068	6.259	0.002	6.139	0.002		0.109	0.003	T	0.12	0.00	L	6.1616	0.0006	0.008	236		6.15	6.18			14560+3218	I 1	1	S						S
73069	9.115	0.012	8.736	0.013		0.397	0.015	G	0.46	0.02	H	8.7856	0.0013	0.017	131		8.76	8.82					1	S						S
73070	7.491	0.006	7.207	0.006		0.270	0.008	T	0.30	0.01	L	7.2537	0.0010	0.010	150		7.24	7.27		C			1							S
73071	8.351	0.008	6.957	0.005		1.171	0.015	G	1.13	0.01	H	6.9889	0.0007	0.008	126		6.97	7.00		C			1							S
73072	9.665	0.016	8.435	0.010		1.050	0.015	T	1.02	0.01	L	8.4950	0.0016	0.016	133		8.47	8.52					1							S
73073	9.622	0.019	9.131	0.019		0.474	0.021	T	0.55	0.02	L	9.1628	0.0019	0.022	101		9.13	9.21					1							
73074	8.703	0.015	8.040	0.013		0.624	0.015	G	0.69	0.01	H	8.1208	0.0013	0.009	69		8.10	8.14		C			1							S
73075	9.598	0.017	8.841	0.014		0.676	0.017	T	0.74	0.01	L	8.8897	0.0018	0.018	136		8.86	8.92					1							
73076	9.869	0.021	8.566	0.012		1.107	0.019	T	1.07	0.02	L	8.6236	0.0012	0.013	107		8.60	8.65					1							
73077	9.753	0.019	9.458	0.022		0.280	0.027	T	0.32	0.03	L	9.4809	0.0044	0.040	146		9.43	9.54		R			1							S
73078	8.908	0.011	7.992	0.009		0.807	0.015	G	0.83	0.01	H	8.0628	0.0015	0.013	114		8.04	8.08		C			1							S
73079	10.108	0.022	8.879	0.014		1.050	0.020	T	1.02	0.02	L	8.9271	0.0017	0.021	129		8.89	8.98		U			1							S
73080	8.668	0.009	8.103	0.009		0.544	0.015	G	0.62	0.01	H	8.1682	0.0013	0.018	118		8.15	8.20					1							S
73081	8.846	0.011	8.541	0.012		0.312	0.015	G	0.36	0.02	H	8.5924	0.0014	0.015	119		8.56	8.63		C			1							S
73082	10.948	0.059	8.996	0.020		1.654	0.051	T	2.30	0.11	O	8.8261	0.0081	0.057	62		8.77	8.92		U 2			1							
73083	9.643	0.020	9.089	0.018		0.519	0.024	T	0.59	0.03	L	9.1772	0.0016	0.015	96		9.14	9.21		C			1							S
73084	9.471	0.023	9.031	0.023		0.429	0.026	T	0.50	0.03	L	9.0742	0.0025	0.015	44		9.04	9.11		C			1							
73085						1.339	0.009	G	1.55	0.01	I *	11.2702	0.0077	0.043	71	*	11.20	11.33			14562+1745	H 1	2 C	B	AB	46	0.240	0.015	0.51	0.27	G
73086	11.079	0.055	9.762	0.027		1.118	0.048	T	1.08	0.05	L	9.8579	0.0028	0.030	125		9.78	9.90					1							G
73087	5.861	0.005	5.898	0.004		−0.031	0.006	T	−0.01	0.01	L	5.8990	0.0009	0.006	74		5.89	5.91		C			1							S
73088	10.904	0.041	10.285	0.037		0.576	0.048	T	0.65	0.04	L	10.3340	0.0031	0.036	162		10.27	10.39					1							
73089	10.424	0.043	8.964	0.021		1.230	0.038	T	1.19	0.04	L	9.0237	0.0030	0.015	48		9.00	9.06		C			1							
73090	8.072	0.006	7.903	0.008		0.158	0.001	G	0.17	0.02	A	7.9434	0.0011	0.011	164		7.93	7.96		C			1							S
73091	8.187	0.008	7.754	0.008		0.409	0.001	G	0.48	0.00	H	7.8125	0.0011	0.014	168		7.79	7.84					1							S
73092	9.851	0.045	8.525	0.026		1.125	0.041	T	1.09	0.04	L	8.6090	0.0022	0.011	47		8.59	8.64		C			1							
73093	7.583	0.009	7.147	0.010		0.412	0.015	G	0.48	0.02	H	7.2000	0.0012	0.007	41		7.19	7.21					1	S						S
73094	10.997	0.049	9.942	0.031		0.913	0.004	G	0.96	0.00	I	10.0115	0.0029	0.029	111		9.98	10.06					1							
73095	5.554	0.002	5.406	0.003		0.142	0.003	T	0.16	0.00	L	5.4346	0.0005	0.005	113		5.43	5.45		C			1							S
73096	8.240	0.011	7.748	0.010		0.496	0.015	G	0.57	0.02	H	7.7918	0.0007	0.007	87		7.77	7.80		D			1							S
73097	7.786	0.009	7.332	0.010		0.428	0.015	G	0.50	0.02	H	7.3753	0.0012	0.008	65		7.36	7.39		C			1							S
73098	8.864	0.016	8.597	0.018		0.254	0.023	T	0.29	0.03	L	8.6246	0.0019	0.012	49		8.60	8.65		C			1							
73099	9.020	0.013	8.408	0.012		0.568	0.013	T	0.64	0.01	L	8.4789	0.0013	0.015	121		8.45	8.51		C			1							
73100	6.258	0.004	5.693	0.003		0.533	0.004	T	0.61	0.00	L	5.7475	0.0005	0.006	118		5.74	5.76					1							S

Number	Descriptor: epoch J1991.25					Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V			α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	α*	δ	π	$\mu_{\alpha*}$	α*	δ	π	$\mu_{\alpha*}$	μ_δ	F1	F2
	h m s	±° ′ ″	mag			deg	deg		mas	mas/yr		mas		mas	mas/yr		α*	α*	δ	α*	δ	π	δ	π	π	$\mu_{\alpha*}$	μ_δ	%	
1 2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
73101	14 56 24.24	−21 59 07.0	8.20		H	224.101 004 73	−21.985 291 10		4.29	−34.09	0.64	0.95	0.65	1.11	1.18	0.88	−22	− 7	−30	+17	−12	+19	− 7	− 4	+ 3	−19		0	0.84
73102	14 56 24.80	−44 42 15.3	6.76		H	224.103 324 78	−44.704 237 85		7.47	29.16	−2.36	0.57	0.52	0.74	0.76	0.75	−41	−10	− 3	+38	− 6	+ 4	− 3	+29	+ 6	−19		0	−0.15
73103	14 56 28.34	+46 21 44.1	10.10	2	H	224.118 098 82	+46.362 239 21		7.58	−9.11	8.99	0.99	1.07	1.27	1.30	1.26	+ 7	+ 6	− 5	+ 4	− 6	− 9	− 5	+22	−12	+ 1		0	0.28
73104	14 56 28.44	−22 56 59.3	10.56		H	224.118 502 94	−22.949 814 62		4.19	−93.96	53.91	1.63	1.15	1.79	1.72	1.58	−31	−23	+ 3	+ 7	−26	−10	−31	+20	+ 2	−29		2	−0.07
73105	H 14 56 29.63	+59 22 47.7	8.03		G	224.123 446 79	+59.379 911 55	A	9.43	−11.86	−0.91	0.88	0.96	0.90	0.90	1.06	+17	− 3	−12	− 8	−21	+ 4	−23	−16	+12	+10		0	0.19
73106	14 56 29.96	+17 06 12.0	7.78	1	G	224.124 817 41	+17.103 336 20		12.86	−36.16	−47.24	0.90	0.72	1.06	1.05	0.83	−14	−32	− 8	− 2	−20	− 8	−22	+ 2	+15	−27		0	−1.15
∗73107	14 56 30.87	−32 38 12.2	6.06		G	224.128 620 34	−32.636 709 76		5.92	−3.44	−30.61	0.74	0.57	0.88	0.80	0.67	− 8	−32	−20	+ 9	− 1	+12	+ 1	+ 1	+ 2	− 9		0	1.67
∗73108	H 14 56 30.78	−34 37 54.2	7.34		H	224.128 250 72	−34.631 734 60	A	16.24	−72.49	−38.73	4.63	3.61	1.35	3.62	4.96	+ 6	−14	−12	−15	−13	− 9	− 5	+13	+14	−47		2	−0.74
73109	14 56 30.99	−53 44 18.5	9.14		H	224.129 120 29	−53.738 466 75		2.81	17.84	−2.84	1.02	0.89	1.48	1.27	1.17	+14	−38	−22	+29	+27	− 3	+18	− 1	+12	− 2		0	−1.46
73110	14 56 31.57	−24 15 29.9	7.49		H	224.131 548 73	−24.258 306 86		4.38	−84.27	−12.91	0.84	0.54	0.90	1.16	0.82	−15	−11	− 9	+17	−11	+ 9	− 9	+ 2	+17	+ 5		0	1.94
73111	H 14 56 32.08	−47 52 44.9	5.62		G	224.133 665 38	−47.879 143 21	A	5.21	−29.91	−22.46	0.86	0.83	0.99	0.81	0.94	−22	+ 4	−40	− 2	+ 3	−22	− 4	+17	+ 0	−34		2	1.76
73112	14 56 32.95	+72 29 55.0	10.09		H	224.137 281 25	+72.498 612 73		1.99	−9.01	−0.50	1.00	1.00	1.12	1.36	1.14	+15	−14	−38	+16	− 2	+ 6	+ 1	+ 6	+ 0	+14		0	0.13
73113	14 56 33.32	+28 33 53.8	9.27		H	224.138 840 31	+28.564 936 73		3.59	7.95	−2.41	0.77	0.85	1.15	0.80	1.11	−12	−16	−12	−28	+14	− 3	+17	−21	+ 1	−36		1	0.00
73114	14 56 33.73	−08 55 52.7	8.58		G	224.140 545 55	−08.931 294 63		14.29	−6.13	137.63	1.09	0.74	1.21	1.36	0.92	−34	−25	−12	+12	−28	+ 6	−25	−18	+17	−21		0	1.14
73115	14 56 34.40	−46 57 01.7	7.06		H	224.143 338 09	−46.950 471 96		3.47	7.66	5.49	0.61	0.57	0.95	0.76	0.83	−19	−28	−25	+30	+ 3	−28	−13	+13	+37	−35		2	1.07
73116	14 56 35.78	−39 24 57.5	6.36		G	224.149 072 83	−39.415 971 72		8.30	−38.85	−21.22	0.69	0.68	1.01	0.81	0.77	− 6	−31	−41	+15	+ 3	+ 7	+ 6	+20	−13	−15		0	−0.27
73117	14 56 36.22	−43 27 22.0	7.42		H	224.150 906 15	−43.456 098 71		0.70	−11.57	−11.03	0.69	0.50	0.92	0.92	0.76	−42	−17	+ 3	+ 2	− 1	−28	− 4	+ 7	− 6	+13		0	0.61
73118	H 14 56 38.35	−62 21 51.9	6.39		H	224.159 786 48	−62.364 407 39	∗	3.22	−9.11	−4.09	0.48	0.46	0.72	0.57	0.57	+17	−22	+ 6	+66	+12	−23	+18	+41	− 2	+35		0	−0.99
73119	14 56 39.26	+84 01 37.7	8.22		H	224.163 568 81	+84.027 129 30		3.78	14.94	−2.98	0.54	0.61	0.67	0.68	0.76	+ 7	−15	−14	+ 3	− 6	+ 5	− 3	+ 8	− 6	−13		0	0.68
73120	H 14 56 40.44	−48 32 00.9	8.26		H	224.168 520 57	−48.533 575 45	A	1.76	−6.80	4.58	4.00	5.26	1.75	1.52	2.04	−40	+ 4	−18	+ 3	+ 7	− 7	+ 4	+ 2	− 2	−30		1	0.30
73121	14 56 40.71	+21 04 16.1	9.41		G	224.169 631 45	+21.071 138 40		23.40	−102.51	74.44	0.85	0.76	1.52	1.30	1.42	−10	+ 2	−25	+27	+25	−17	+ 5	− 8	+ 4	−71		0	−3.27
73122	14 56 41.80	−75 19 04.1	11.41	2	H	224.174 174 57	−75.317 810 30		−2.89	−2.77	−11.28	3.43	3.51	4.70	4.07	4.19	+17	+ 7	+ 5	−27	+ 8	−19	+ 5	+ 8	+11	+29		1	
73123	14 56 41.82	−35 14 23.5	8.01		H	224.174 244 79	−35.239 867 16		10.85	7.98	−46.06	0.96	0.80	1.21	0.90	0.94	−12	−36	−14	+18	+ 7	−23	− 5	+ 8	+27	−30		0	−0.31
73124	14 56 41.88	−00 01 24.3	9.61		G	224.174 482 95	−00.023 423 43		5.56	−58.58	48.84	1.28	1.34	1.65	1.38	1.48	−15	−33	−39	+11	− 2	+ 9	+ 6	+15	−14	−37		0	−1.14
73125	14 56 42.30	+05 23 56.2	7.95		H	224.176 236 05	+05.398 941 62		7.86	−18.69	−14.19	1.21	0.94	1.23	1.14	1.16	−13	−46	− 9	+32	−22	−11	−14	+47	−13	−24		0	0.27
73126	14 56 43.69	+57 02 40.6	8.67		H	224.182 049 15	+57.044 620 35		2.04	4.43	1.84	0.73	0.62	0.75	0.76	0.69	+ 9	− 1	+ 2	−31	+ 0	− 8	+ 2	− 7	−11	+ 3		0	0.64
∗73127	14 56 44.01	−64 09 34.7	8.46		H	224.183 356 30	−64.159 639 34		2.68	−36.15	−37.75	0.58	0.69	0.99	0.72	0.83	+18	−15	−11	+27	+ 9	− 3	+ 7	+18	+14	+25		0	−1.28
∗73128	14 56 43.94	+13 08 58.0	8.11		G	224.183 097 10	+13.149 437 88		16.98	−21.17	−93.00	0.91	0.69	1.05	1.09	0.81	+ 3	−25	− 8	−30	−31	+25	−32	+ 0	+20	+ 5		0	1.06
∗73129	14 56 44.00	−62 46 51.6	5.08	2	T	224.183 343 08	−62.780 987 62		3.91	−12.41	−11.78	0.34	0.42	0.67	0.42	0.51	+15	−17	+13	+49	+ 7	−25	+13	+33	− 3	+33		0	0.04
73130	14 56 44.05	−05 07 48.5	8.95		H	224.183 546 63	−05.130 143 63		8.60	−0.37	44.81	1.14	1.05	1.59	1.41	1.38	−20	−18	−40	+35	+20	−24	+ 0	−27	+56	−36		0	0.04
73131	14 56 44.51	−50 35 18.1	7.66		H	224.185 444 98	−50.588 374 82		2.83	−22.48	−16.26	0.65	0.71	0.87	0.78	1.11	−33	−21	−20	+ 1	− 4	−21	− 4	+19	+19	−61		0	1.09
73132	14 56 45.41	−09 53 10.3	9.03		H	224.189 193 50	−09.886 200 21		12.89	−42.73	48.25	1.22	0.79	1.35	1.47	0.86	−48	− 8	−21	+47	−33	+36	−19	+ 3	+ 1	−34		0	0.76
73133	14 56 46.11	−11 24 35.0	5.48		H	224.192 112 88	−11.409 727 90		6.06	7.93	11.21	0.76	0.51	0.79	1.03	0.63	−37	−17	+ 5	+23	−33	+ 3	−27	+ 7	− 3	−18		0	0.53
73134	14 56 47.58	+19 42 01.6	9.68		H	224.198 257 82	+19.700 455 46		3.05	−9.56	7.16	0.83	0.85	1.39	1.07	1.23	−18	−28	−16	+15	+ 6	−16	− 5	−14	+ 1	−54		0	−0.57
73135	H 14 56 47.75	+70 49 59.7	8.31		H	224.198 959 38	+70.833 245 87	A	16.57	29.29	−22.20	1.86	2.24	2.05	1.59	1.60	+ 0	+26	−41	−15	+ 8	−25	−11	− 4	−20	+ 2		3	0.85
∗73136	14 56 48.32	+74 54 03.3	6.83		H	224.201 346 02	+74.900 913 29		6.67	13.50	5.65	0.54	0.55	0.60	0.48	0.60	+23	−33	−33	−24	− 9	− 6	−10	− 2	− 6	+12		0	1.14
∗73137	14 56 48.32	+16 19 44.2	9.95		H	224.201 334 56	+16.328 944 73		1.66	0.35	4.10	1.80	1.33	1.80	2.09	1.61	+13	− 7	+ 0	−58	−32	−15	−33	−36	+10	+ 4		0	−1.12
73138	14 56 48.62	+08 35 55.5	8.64		G	224.202 594 57	+08.598 758 51		26.05	−298.45	194.46	1.10	0.97	1.67	1.38	1.39	−32	− 5	−44	+15	−17	+17	−15	−45	+51	−24		0	−0.18
73139	14 56 48.68	−20 29 23.5	8.20		H	224.202 813 40	−20.489 848 75		24.71	−29.05	−56.35	0.86	0.65	1.04	1.05	0.81	−32	−16	−27	+20	−20	+28	−12	+ 6	− 7	−37		0	1.96
73140	14 56 48.91	−34 14 47.3	9.25		H	224.203 798 68	−34.246 484 29		6.51	−33.82	−15.48	1.42	0.97	1.57	1.27	1.25	+10	−43	−29	− 6	−14	+ 1	−15	+10	+ 6	−25		0	−0.14
73141	14 56 49.06	+13 17 41.5	10.70		H	224.204 417 36	+13.294 869 40		4.76	−5.46	0.35	1.71	1.50	2.11	1.94	1.71	−26	−18	+ 7	−37	− 1	+17	− 6	−22	+19	−20		0	1.18
73142	14 56 51.91	−30 16 54.2	9.30		H	224.216 300 35	−30.281 732 68		1.87	−19.82	−14.67	1.34	1.05	1.65	1.51	1.20	−11	−30	−24	+ 7	+ 7	+18	+ 8	− 8	+18	− 2		0	0.49
73143	14 56 53.47	+04 00 01.2	8.17		H	224.222 793 35	+04.000 339 83		2.70	−0.40	−26.50	1.18	1.21	1.43	1.65	1.49	−23	+ 5	−46	+20	+27	−19	+25	−14	+10	−12		0	1.31
73144	H 14 56 54.37	+34 28 48.4	9.95		H	224.226 527 28	+34.480 111 08	A	2.05	18.82	−16.75	1.24	1.53	1.90	1.26	1.43	+20	− 2	−10	+15	+ 0	− 1	− 3	+ 2	+ 6	+ 2		2	−0.08
73145	14 56 54.48	−35 41 43.4	7.88		H	224.227 019 41	−35.695 399 94		9.00	−24.02	−23.50	0.82	0.73	1.08	0.77	0.81	−11	−34	−32	+ 1	+12	−13	+ 1	−11	+22	−29		0	−2.62
73146	14 56 54.67	+53 22 58.3	8.45		G	224.227 772 21	+53.382 850 32		14.09	−14.50	−281.33	0.63	0.61	0.77	0.77	0.67	− 6	−16	−10	+ 9	−19	+21	−15	+ 8	−18	−37		0	0.40
73147	14 56 55.77	−42 27 40.5	8.14		G	224.232 373 20	−42.461 238 19		4.61	−15.70	−20.59	0.87	0.55	0.94	0.92	0.73	−13	+ 3	+ 3	−42	−10	−32	−27	− 1	−14	+24		2	2.54
73148	14 56 55.93	+04 09 02.0	7.85		G	224.233 039 81	+04.150 563 08		5.07	−38.10	−2.93	1.07	1.04	1.35	1.43	1.31	−11	− 6	−46	+10	+16	−21	+ 7	− 4	+ 6	−18		0	1.14
73149	14 56 56.86	−65 05 52.5	7.84		H	224.236 907 36	−65.097 915 45		4.41	9.53	−18.71	0.50	0.62	0.87	0.55	0.74	+ 9	−24	−16	+28	+ 4	−17	+ 3	+34	− 9	+13		0	−0.60
73150	14 56 57.47	−26 17 05.9	6.91		H	224.239 449 84	−26.284 962 84		8.24	−20.60	−26.19	0.87	0.48	0.87	1.55	0.90	−22	+23	− 5	−11	−30	+ 1	−37	− 2	−12	+38		0	0.41
73151	14 56 58.39	+05 16 48.7	11.73		H	224.243 283 97	+05.280 184 79		18.12	−198.92	33.00	3.56	3.21	3.99	3.86	4.25	−16	−42	−23	+35	−18	−23	−23	+40	+ 4	−40		0	0.85
73152	14 57 00.69	−68 50 22.9	8.69	2	H	224.252 882 65	−68.839 691 06		−1.29	−4.42	1.05	0.72	0.97	1.23	0.84	1.10	+24	−23	+ 4	+15	+14	+ 2	+13	+35	− 5	+39		0	−0.53
73153	14 57 01.93	+00 27 47.4	10.04		G	224.258 059 91	+00.463 175 08		5.03	−11.41	−62.69	1.51	1.58	2.02	1.69	1.65	−13	−27	−43	+15	− 8	+27	+11	+22	−27	−29		0	−1.18
73154	14 57 01.94	−51 26 49.9	6.60	1	H	224.258 084 36	−51.447 207 32		3.15	−27.45	−18.64	0.52	0.60	0.90	0.69	0.84	−24	−19	−24	− 6	+26	− 6	+12	−31	+31	−36		2	1.00
73155	14 57 03.00	−58 11 29.1	8.44		H	224.262 506 82	−58.191 418 88		1.72	−7.43	−8.57	0.71	0.76	1.04	1.01	0.91	+13	−20	−15	+15	+27	−20	+18	+22	+ 8	+27		0	0.05
73156	14 57 03.61	+21 33 19.7	6.50		H	224.265 038 95	+21.555 484 60		7.34	−24.50	−26.98	0.45	0.51	0.82	0.59	0.71	−18	+11	−36	+25	+22	−27	+10	+ 4	+10	−62		1	−2.02
73157	14 57 04.44	+05 25 50.9	7.28		H	224.268 513 59	+05.430 813 77		5.28	−6.98	−13.30	1.06	0.84	1.12	1.06	1.02	− 3	−42	−23	+29	− 8	−11	− 4	+37	−14	−16		0	0.42
73158	14 57 05.53	+36 40 55.6	8.65		H	224.273 031 15	+36.682 114 06		3.12	−18.52	20.04	0.67	0.73	1.02	0.76	0.87	+17	− 5	+ 6	+13	− 4	−11	− 4	+ 9	− 2	+10		0	−0.11
73159	14 57 06.13	−55 54 45.4	7.44		G	224.275 551 69	−55.912 601 18		12.65	15.14	−35.14	0.66	0.59	0.93	0.75	0.77	+ 7	−41	−25	+12	+19	− 6	+23	+10	−11	− 3		0	0.08
73160	14 57 06.86	+35 29 25.1	7.36		H	224.278 576 59	+35.490 302 03		11.25	−7.50	−41.35	0.48	0.53	0.75	0.57	0.63	+10	+ 8	− 3	− 3	+ 5	− 8	+ 4	− 1	− 6	+ 1		1	0.98
73161	14 57 07.22	−16 30 53.6	8.20		H	224.280 081 31	−16.514 879 91		5.05	16.47	5.97	1.00	0.80	1.22	1.42	1.01	−41	+ 7	−36	+ 5	− 4	− 5	− 1	−29	+24	−34		0	1.13
73162	14 57 08.13	+26 23 47.4	9.84		H	224.283 861 92	+26.396 498 81		0.85	−23.07	2.10	1.24	1.03	1.53	1.31	1.20	−13	−25	− 7	+ 6	− 3	+12	+10	+25	−35	−38		2	0.64
73163	14 57 08.28	+48 23 42.0	7.67		G	224.284 485 55	+48.394 986 11		11.66	−16.27	116.11	0.59	0.56	0.70	0.78	0.66	+18	−13	−21	+16	− 8	+ 3	− 5	+ 4	− 8	+15		1	−0.61
73164	14 57 08.29	−50 07 50.0	10.19		H	224.284 541 39	−50.130 557 68		4.40	−3.15	−3.15	1.57	2.07	1.94	2.07	3.34	−57	−12	−12	+26	−35	+ 1	−29	+58	− 4	−65		5	1.22
73165	14 57 11.06	−04 20 45.9	4.47		H	224.296 069 96	−04.346 086 34		35.83	−97.83	−154.56	0.77	0.67	0.91	0.91	0.91	−24	−21	−35	+44	+ 9	−15	− 7	−11	+36	−48		0	0.21
73166	14 57 11.68	+16 23 17.3	5.72		H	224.298 667 69	+16.388 139 86		5.28	−4.08	−4.98	0.76	0.61	0.81	0.93	0.72	+13	−16	− 6	−30	−48	+ 5	−44	− 3	− 6	+12		0	0.18
73167	H 14 57 12.23	−66 52 21.8	7.37		H	224.300 939 78	−66.872 731 03	A	4.46	−22.52	−31.09	0.66	0.89	1.18	0.70	1.05	+42	+ 2	+ 4	− 9	+ 7	−19	+ 7	+19	−20	+52		2	1.10
73168	14 57 12.60	−42 08 14.7	7.00		H	224.302 504 86	−42.137 428 70		3.02	−85.78	−21.07	0.74	0.56	0.86	0.76	0.70	−13	−29	− 4	−10	−13	−21	−23	+17	+ 2	+ 4		0	0.58
73169	14 57 12.80	−06 19 00.4	11.82		H	224.303 323 15	−06.316 778 97		34.30	−261.16	−74.86	4.35	4.83	7.94	5.23	4.45	− 8	−19	−72	+12	+ 7	−23	−22	−29	+49	−39		6	3.73
73170	14 57 13.41	−63 15 38.1	8.62		H	224.305 880 60	−63.260 585 64		7.11	−13.13	−5.25	0.74	0.86	1.16	0.90	0.97	+54	−24	− 1	+67	+51	−12	+44	+56	+ 7	+58		1	−1.00
73171	14 57 13.72	−29 09 27.4	6.28		H	224.307 167 30	−29.157 607 02		5.85	−17.32	−29.41	0.72	0.60	0.84	0.83	0.74	−19	−24	−22	+21	− 4	+13	+ 0	+14	− 1	−26		0	2.42
73172	14 57 16.44	+38 36 12.0	9.67		H	224.318 500 74	+38.603 342 12		2.39	−26.41	1.81	0.89	0.94	1.37	1.00	1.14	+24	+10	− 9	− 1	−11	− 1	−13	−22	+27	+ 1		0	−1.48
73173	14 57 16.45	+16 52 56.0	8.86		H	224.318 524 87	+16.882 228 81		11.16	−112.64	17.45	1.05	0.89	1.35	1.44	1.17	+ 3	−30	−31	− 2	−26	+ 3	−32	−13	+33	− 7		0	−0.77
73174	14 57 19.87	−32 50 01.2	7.20		G	224.332 791 75	−32.833 669 79		7.52	−32.69	−17.81	0.85	0.61	0.95	0.91	0.71	− 1	−31	−18	+12	+ 1	+ 5	+ 3	+ 3	+ 0	+ 2		0	−2.56
73175	14 57 20.67	+57 38 57.2	7.23		H	224.336 107 53	+57.649 208 70		9.74	−38.72	−29.50	0.52	0.46	0.56	0.56	0.53	+ 9	− 9	+ 0	−11	− 3	−11	− 2	+ 8	−12	+ 9		1	0.34
73176	H 14 57 20.78	+58 31 32.0	9.27		H	224.336 564 80	+58.525 561 98	∗	7.36	16.21	−48.40	2.60	3.34	1.20	1.20	1.33	+16	− 5	+ 0	+ 7	− 5	− 2	− 6	+26	+ 1	+ 6		1	−0.57
73177	14 57 21.47	+02 47 08.8	10.13		H	224.339 439 84	+02.785 783 00		1.51	1.41	−0.18	1.89	1.77	2.46	2.66	1.93	− 8	−33	−38	− 9	+19	−21	+14	− 1	−20	+14		0	0.65
73178	14 57 23.25	+25 19 25.0	7.32		H	224.346 878 68	+25.323 599 52		12.69	−82.64	22.80	0.63	0.54	0.78	0.73	0.62	−12	−25	+ 1	+29	− 2	− 9	+ 5	+29	−25	−27		0	−0.44
73179	14 57 23.39	−59 21 04.4	8.51		H	224.347 470 84	−59.351 211 85		−0.12	−4.24	−3.79	0.88	0.85	1.19	1.15	1.11	+10	−26	−15	+17	+15	−13	+ 9	+ 5	+14	+ 8		0	1.96
73180	14 57 24.21	+32 22 51.0	10.36		H	224.350 886 24	+32.380 821 59		−1.21	−4.15	−9.14	0.80	1.23	1.84	1.01	1.37	+26	− 7	−18	+22	−21	+ 7	−19	+ 3	− 4	+15		2	3.21
73181	14 57 25.04	−22 09 11.7	7.95		H	224.354 319 12	−22.153 238 36		13.34	−125.58	−97.47	0.97	0.70	1.12	1.13	1.01	−24	−27	−20	+17	−16	+ 7	−16	+12	− 2	−37		0	−0.63
73182	14 57 25.92	−21 24 26.9	8.01		G	224.358 018 34	−21.407 468 58	B	133.63	987.05	−1666.81	62.10	40.84	33.56	44.59	28.64	−22	−10	−28	+10	−19	+36	− 3	−12	− 8	−14		3	0.39
73183	14 57 25.99	+55 54 36.0	10.59		H	224.358 292 09	+55.909 986 83		28.20	−74.62	356.22	1.03	1.07	1.23	1.01	1.13	+ 9	−16	− 3	− 6	+ 1	+ 2	+ 4	+14	− 2	+ 0		0	1.41
73184	14 57 27.35	−21 24 40.6	5.72		G	224.363 965 01	−21.411 280 90	A	169.32	1034.18	−1725.60	1.77	1.25	1.67	1.80	1.29	−10	− 5	−36	+ 1	−20	+32	− 9	−16	− 4	− 9		3	0.39
73185	14 57 27.86	+40 09 42.2	8.24		H	224.366 075 63	+40.161 732 37	A	9.09	13.55	−7.92	2.08	2.30	2.21	1.98	2.20	+19	−12	− 8	−24	−10	+ 1	−11	−24	+ 5	+11		13	2.76
73186	14 57 28.60	+40 09 51.5	8.88		H	224.369 162 04	+40.164 304 92	B	7.68	10.96	−6.62	5.99	6.06	3.35	3.12	3.43	+21	−13	− 6	−22	−11	+ 2	−11	−13	+ 2	+12		13	2.76
73187	14 57 28.87	−14 54 33.5	9.61		G	224.370 294 11	−14.909 305 90		7.01	−3.92	−21.58	1.42	1.01	2.05	1.86	1.61	−20	−23	−50	+44	+ 2	−23	−28	−28	+58	−55		0	−0.05
73188	14 57 29.93	+50 51 10.4	8.51		H	224.374 719 55	+50.852 887 29		5.05	18.23	−6.58	0.61	0.63	0.77	0.66	0.69	+17	−25	−26	+ 0	− 7	+ 6	− 8	−11	+ 0	−10		2	1.57
73189	14 57 31.94	−25 26 30.4	6.94		H	224.383 066 85	−25.441 783 37		8.21	32.03	0.32	1.10	0.69	0.91	1.25	0.84	+30	−24	−14	+31	+19	+ 3	+15	+11	+ 1	+17		0	2.69
73190	14 57 32.16	−49 16 03.8	10.20		G	224.383 990 31	−49.267 735 44		1.63	16.51	0.60	1.28	1.21	1.79	1.56	1.71	−18	−20	−40	+11	+11	−13	+10	+ 8	+ 0	−24		0	0.18
73191	14 57 32.48	−16 31 23.7	10.59		H	224.385 352 29	−16.523 236 69		7.91	−182.16	27.58	1.96	1.50	2.50	2.71	1.95	−44	+20	−46	+12	+ 3	− 2	+12	−48	+42	−35		0	−0.44
73192	H 14 57 32.77	+31 23 54.7	11.08		G	224.386 559 78	+31.398 533 89	A	24.56	−694.60	−1159.81	4.11	4.80	5.24	3.99	4.84	−20	+ 7	−17	−22	+11	− 4	+ 9	−25	+ 1	−52		2	1.72
73193	14 57 33.22	−00 10 03.2	5.51		G	224.388 401 15	−00.167 548 03		11.06	59.91	−26.20	0.73	0.65	0.87	0.81	0.72	−10	−25	−25	+13	− 8	+21	+ 4	+22	−28	−16		0	−0.27
73194	14 57 33.26	−06 19 47.0	11.43		G	224.388 584 81	−06.329 724 84		38.48	20.44	−212.54	3.00	2.86	4.72	3.58	3.11	− 1	−33	−58	− 2	+15	−32	−21	−41	+53	−36		6	0.83
73195	H 14 57 33.37	−35 23 02.3	6.99		H	224.389 024 83	−35.383 972 49	A	3.54	−5.15	−9.20	1.23	1.00	1.34	1.11	1.08	−19	+ 0	−15	+17	+18	− 9	+22	−14	+32	+ 1		1	0.89
73196	14 57 33.91	−13 42 16.1	8.86	1	H	224.391 287 34	−13.704 464 04		3.98	19.53	−30.21	1.09	0.75	1.31	1.34	1.19	−28	−29	−24	+42	−14	−12	−30	+ 7	+41	−50		0	−0

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
73101	9.710	0.025	8.337	0.015		1.162	0.023	T	1.12	0.02	L	8.3696	0.0014	0.010	63		8.35	8.39		C			1							
73102	6.822	0.004	6.761	0.004		0.041	0.006	G	0.03	0.02	A	6.7768	0.0008	0.010	138		6.76	6.80					1							S
73103	10.869	0.049	10.224	0.042		0.592	0.048	T	0.66	0.04	L	10.2331	0.0178	0.212	120		10.09	10.65	0.35	P 1 A			1							
73104	11.357	0.086	10.622	0.073		0.630	0.020	G	0.70	0.02	H	10.6882	0.0036	0.032	84		10.57	10.76					1							G
73105	8.391	0.014	7.965	0.013	*	0.433	0.015	G	0.50	0.02	H *	8.1286	0.0014	0.014	125	*	8.11	8.15		D	14565+5923	I 1	2 C	A	AB	216	2.799	0.007	1.84	0.02	S
73106	8.492	0.011	7.851	0.011		0.596	0.015	G	0.67	0.01	H	7.9032	0.0036	0.021	71		7.87	7.94		U			1	S						S
73107	7.915	0.011	6.226	0.005		1.413	0.004	G	1.39	0.01	H	6.2117	0.0010	0.007	65		6.20	6.23					1							S
73108	8.003	0.012	7.385	0.010	*	0.534	0.008	G	0.61	0.01	R *	7.4615	0.0011	0.007	59	*	7.44	7.48		D	14565−3438	I 1	2 C	A	AB	81	0.301	0.006	0.33	0.06	S
73109	9.710	0.021	9.187	0.021		0.491	0.027	T	0.56	0.03	L	9.2462	0.0022	0.023	108		9.20	9.28		C			1							
73110	8.923	0.014	7.613	0.009		1.113	0.013	T	1.08	0.01	L	7.6538	0.0012	0.008	80		7.64	7.67		C			1							S
73111	5.951	0.027	5.985	0.026	A	−0.035	0.003	G	−0.02	0.02	A *	5.6301	0.0007	0.006	96	*	5.62	5.64		D	14565−4753	I 1	2 C	A	AB	278	2.184	0.002	0.79	0.01	S
73112	11.545	0.089	10.194	0.043		1.145	0.077	T	1.11	0.07	L	10.2594	0.0034	0.028	90		10.21	10.31		C			1							
73113	10.617	0.036	9.387	0.020		1.050	0.032	T	1.02	0.03	L	9.4329	0.0022	0.024	130		9.38	9.48					1							
73114	9.386	0.021	8.652	0.018		0.655	0.002	G	0.72	0.00	H	8.7133	0.0015	0.010	71		8.70	8.74					1							S
73115	7.789	0.008	7.152	0.006		0.605	0.044	G	0.73	0.02	A	7.1996	0.0011	0.009	100		7.18	7.22		C			1							S
73116	6.432	0.005	6.367	0.006		0.061	0.004	G	0.07	0.00	H	6.3857	0.0009	0.006	63		6.38	6.40		C			1	G						S
73117	9.463	0.016	7.589	0.007		1.557	0.014	T	1.57	0.01	L	7.5434	0.0011	0.010	137		7.52	7.56					1							S
73118	6.314	0.003	6.379	0.003	*	−0.055	0.003	T	−0.03	0.00	L *	6.3798	0.0007	0.008	189	*	6.37	6.39		C	14566−6222	I 1	2 C	S A	AS	115	0.125	0.007	1.18	0.26	S
73119	9.855	0.020	8.355	0.011		1.290	0.015	G	1.25	0.02	H	8.3727	0.0012	0.012	112		8.35	8.40		C			1							
73120	9.525	0.019	8.411	0.013	*	0.960	0.018	T	0.95	0.01	L *	8.4258	0.0019	0.013	84	*	8.40	8.44		D	14567−4832	H 1	2 C	B	AB	327	0.338	0.032	2.68	0.35	
73121	10.759	0.032	9.504	0.018		1.035	0.009	G	1.08	0.01	I	9.5400	0.0018	0.021	152		9.50	9.57		C			1							
73122	11.765	0.134	11.370	0.153		0.374	0.189	T	0.44	0.21	L	11.4900	0.0136	0.123	134		11.24	11.66		U 2			1	X	S					G
73123	8.428	0.011	8.044	0.011		0.364	0.014	T	0.43	0.01	L	8.0914	0.0031	0.016	59		8.06	8.12					1							S
73124	10.187	0.047	9.659	0.046		0.455	0.015	G	0.52	0.02	H	9.7113	0.0013	0.019	48		9.68	9.75		D			1							
73125	8.103	0.013	7.978	0.013		0.121	0.017	T	0.14	0.02	L	7.9998	0.0015	0.012	40		7.98	8.03		C			1							S
73126	10.244	0.026	8.813	0.014		1.208	0.023	T	1.17	0.02	L	8.8272	0.0021	0.018	113		8.80	8.86		C			1							
73127	9.831	0.019	8.579	0.012		1.068	0.018	T	1.03	0.01	L	8.6244	0.0014	0.018	170		8.59	8.66					1							
73128	8.868	0.014	8.179	0.012		0.636	0.015	T	0.70	0.01	L	8.2371	0.0021	0.015	89		8.21	8.27		C			1							S
73129	5.041	0.006	5.069	0.007		−0.023	0.008	T	0.00	0.01	L	4.9999	0.0126	0.119	226		4.86	5.13		U 2 C	14567−6247	I 1	1	S					S	P
73130	9.507	0.023	9.021	0.024		0.457	0.030	T	0.53	0.03	L	9.0564	0.0019	0.013	47		9.04	9.10		C			1							
73131	7.751	0.008	7.670	0.010		0.073	0.012	T	0.08	0.01	L	7.6945	0.0017	0.012	77		7.68	7.72					1							S
73132	9.784	0.023	9.109	0.021		0.625	0.026	T	0.69	0.02	L	9.1632	0.0023	0.019	88		9.13	9.21					1							
73133	7.409	0.008	5.638	0.004		1.491	0.002	G	1.51	0.00	H	5.6073	0.0011	0.006	77		5.60	5.62					1							S
73134	10.065	0.022	9.688	0.025		0.357	0.031	T	0.42	0.03	L	9.7710	0.0020	0.020	126		9.73	9.80					1							
73135	9.008	0.024	8.360	0.022	*	0.601	0.028	T	0.67	0.03	L *	8.4402	0.0017	0.014	103	*	8.42	8.47		D	14568+7050	I 1	2 C	A	AB	161	2.991	0.003	0.11	0.01	S
73136	8.092	0.011	6.946	0.006		0.985	0.010	T	0.97	0.01	L	6.9990	0.0011	0.008	108		6.98	7.01		C	14569+7455	I 1	1							S
73137	11.363	0.083	9.992	0.043		1.161	0.073	T	1.12	0.07	L	10.1228	0.0038	0.027	67		10.07	10.20		C			1							
73138	9.619	0.022	8.715	0.017		0.816	0.008	G	0.86	0.01	H	8.7777	0.0016	0.014	95		8.75	8.80		D			1							
73139	9.142	0.016	8.291	0.013		0.747	0.016	T	0.79	0.01	L	8.3434	0.0013	0.008	75		8.33	8.36		C			1							
73140	9.925	0.033	9.348	0.030		0.542	0.033	T	0.62	0.04	L	9.3689	0.0031	0.018	56		9.34	9.40		C			1							
73141	11.415	0.092	10.630	0.071		0.713	0.090	T	0.77	0.07	L	10.8408	0.0045	0.038	78		10.77	10.91					1							G
73142	11.081	0.069	9.395	0.026		1.408	0.058	T	1.39	0.07	L	9.4399	0.0036	0.021	59		9.41	9.47		C			1							
73143	9.660	0.036	8.287	0.020		1.162	0.032	T	1.12	0.03	L	8.3367	0.0022	0.010	39		8.32	8.35					1							
73144	10.553	0.025	10.046	0.025	A	0.574	0.072	G	0.65	0.07	R *	10.0745	0.0030	0.034	206	*	10.00	10.13			14569+3429	H 1	2 C	D	AB	21	1.390	0.070	3.34	0.25	D
73145	8.100	0.011	7.899	0.012		0.192	0.015	T	0.21	0.02	L	7.9459	0.0012	0.011	63		7.93	7.97		C			1							S
73146	9.221	0.015	8.522	0.013		0.650	0.015	G	0.71	0.01	H	8.5798	0.0016	0.015	111		8.55	8.61		C			1							S
73147	8.216	0.011	8.153	0.014		0.086	0.006	G	0.10	0.01	H	8.1726	0.0016	0.014	91		8.15	8.20					1							S
73148	8.253	0.015	7.897	0.015		0.392	0.007	G	0.46	0.01	H	7.9326	0.0013	0.008	35		7.92	7.95					1							S
73149	9.257	0.014	7.958	0.008		1.104	0.013	T	1.07	0.01	L	8.0102	0.0012	0.014	172		7.99	8.03					1							
73150	6.918	0.005	6.902	0.006		0.015	0.007	T	0.03	0.01	L	6.9176	0.0009	0.008	93		6.90	6.93		C			1							S
73151											T	11.8370	0.0111	0.064	39		11.65	11.91					1							G
73152	9.609	0.014	8.782	0.012		0.745	0.014	T	0.79	0.01	L	8.8354	0.0106	0.116	165		8.62	9.05	37.10	P 1 A			1	S						P
73153	10.808	0.068	10.116	0.059		0.584	0.015	G	0.66	0.01	H	10.1686	0.0044	0.025	45		10.11	10.20					1							
73154	8.835	0.013	6.826	0.005		1.707	0.018	G	2.27	0.05	F	6.6540	0.0018	0.014	103		6.63	6.68		U 2			1	G						S
73155	8.443	0.010	8.437	0.012		0.010	0.014	T	0.03	0.01	L	8.4508	0.0017	0.017	93		8.43	8.48					1							
73156	6.523	0.003	6.507	0.004		0.015	0.004	T	0.03	0.00	L	6.5162	0.0006	0.006	150		6.51	6.53					1							S
73157	8.859	0.017	7.405	0.010		1.226	0.015	T	1.18	0.01	L	7.4386	0.0021	0.009	43		7.42	7.46		C			1							S
73158	9.938	0.018	8.764	0.012		1.007	0.017	T	0.98	0.01	L	8.8105	0.0020	0.022	148		8.78	8.85					1							
73159	7.898	0.008	7.485	0.008		0.403	0.009	G	0.47	0.01	H	7.5387	0.0012	0.010	101		7.52	7.55		C			1							S
73160	7.836	0.006	7.415	0.006		0.398	0.008	T	0.46	0.01	L	7.4540	0.0012	0.013	185		7.43	7.48			14571+3529	I 1	1							S
73161	8.778	0.014	8.249	0.013		0.505	0.014	T	0.58	0.01	L	8.3141	0.0018	0.012	69		8.29	8.33		C			1							S
73162	11.615	0.085	9.975	0.033		1.372	0.072	T	1.34	0.09	L	9.9886	0.0031	0.025	97		9.95	10.04		C			1							
73163	8.547	0.009	7.761	0.008		0.720	0.015	G	0.77	0.01	H	7.8069	0.0014	0.013	124		7.78	7.83		C			1							S
73164	10.814	0.052	10.328	0.055		0.457	0.069	T	0.53	0.07	L	10.2975	0.0031	0.031	76		10.22	10.35		C			1	S						G
73165	4.851	0.003	4.507	0.002		0.318	0.006	G	0.38	0.02	A	4.5518	0.0009	0.004	48		4.55	4.56		C			1							S
73166	6.923	0.006	5.821	0.004		0.951	0.006	T	0.94	0.00	L	5.8814	0.0010	0.007	73		5.87	5.89		C			1							S
73167	8.818	0.008	7.525	0.005	A	1.200	0.495	G	1.03	0.01	L *	7.5370	0.0011	0.013	243	*	7.52	7.56		D	14572−6652	I 1	2 C	A	AB	81	2.327	0.024	3.41	0.09	S
73168	8.497	0.013	7.122	0.007		1.164	0.012	T	1.13	0.01	L	7.1704	0.0016	0.009	68		7.15	7.19			14572−4208	I 1	1							S
73169											T	11.9666	0.0147	0.072	52		11.59	12.06					1							G
73170	8.679	0.009	8.634	0.011		0.041	0.013	T	0.06	0.01	L	8.6376	0.0013	0.020	209		8.60	8.68					1	G						
73171	6.259	0.004	6.273	0.005		−0.011	0.006	T	0.01	0.01	L	6.2881	0.0007	0.005	61		6.28	6.30		C			1							S
73172	10.133	0.024	9.665	0.024		0.441	0.031	T	0.51	0.03	L	9.7736	0.0024	0.026	145		9.72	9.82					1							
73173	9.505	0.021	8.925	0.019		0.542	0.025	T	0.62	0.03	L	8.9769	0.0026	0.016	64		8.95	9.02		C			1							S
73174	7.330	0.008	7.213	0.010		0.101	0.015	G	0.11	0.02	H	7.2384	0.0017	0.009	62		7.22	7.25					1							S
73175	7.798	0.007	7.280	0.007		0.488	0.015	G	0.56	0.02	H	7.3357	0.0010	0.010	124		7.32	7.35		C			1							S
73176	9.787	0.019	9.285	0.019	*	0.472	0.024	T	0.54	0.03	L *	9.3720	0.0018	0.021	136	*	9.33	9.40		D	14573+5832	H 1	2 C	C	AB	248	0.275	0.040	2.56	0.38	
73177	11.635	0.152	10.143	0.065		0.742	0.126	G	0.79	0.09	R	10.2795	0.0072	0.025	26		10.24	10.37					1							
73178	8.143	0.009	7.391	0.006		0.687	0.009	T	0.74	0.01	L	7.4648	0.0008	0.010	110		7.45	7.48		C			1							S
73179	10.674	0.043	8.716	0.016		1.624	0.036	T	1.65	0.04	L	8.6186	0.0024	0.021	78		8.56	8.64					1	S						
73180	11.702	0.058	10.456	0.031		1.063	0.051	T	1.03	0.04	L	10.5314	0.0023	0.039	262		10.47	10.59					1	S						
73181	8.553	0.034	8.018	0.033		0.553	0.015	G	0.63	0.01	H	8.0733	0.0022	0.015	72		8.05	8.11					1							S
73182						1.519	0.025	G	2.22	0.19	I	8.1824	0.1842			B				D	14574−2124	I 2	1 C I	D							D
73183	12.211	0.141	10.640	0.056		1.555	0.197	G	2.46	0.82	I	10.6216	0.0034	0.036	118		10.56	10.68					1							G
73184	7.168	0.008	5.873	0.005	A	1.024	0.015	G	1.23	0.08	G	5.8770	0.0293	0.011	68	A	5.84	5.89		D	14574−2124	I 2	1 C P	D						S	D
73185	8.549	0.010	8.242	0.011	A	0.292	0.014	T	0.33	0.02	L	8.3199	0.0103	0.095	142	A	8.27	8.57		D	14575+4010	I 2	1 C P	A						S
73186	9.153	0.016	8.885	0.018	B	0.255	0.023	T	0.29	0.03	L	8.9970	0.0151			B				D	14575+4010	I 2	1 C I	A						
73187	10.196	0.035	9.716	0.036		0.481	0.020	G	0.55	0.02	H	9.7379	0.0030	0.017	61		9.71	9.76		C			1							
73188	9.514	0.016	8.590	0.012		0.820	0.015	G	0.84	0.01	H	8.6587	0.0019	0.017	108		8.63	8.70					1							S
73189	7.186	0.005	6.965	0.005		0.205	0.007	T	0.23	0.01	L	7.0083	0.0011	0.008	103		6.99	7.02					1	G						S
73190	10.995	0.067	10.218	0.053		0.530	0.020	G	0.60	0.02	H	10.3207	0.0035	0.031	78		10.25	10.37		C			1							G
73191	11.607	0.120	10.625	0.075		0.849	0.110	T	0.86	0.08	L	10.7377	0.0035	0.027	67		10.69	10.80					1							G
73192						1.320	0.020	G	1.53	0.03	I *	11.2431	0.0053	0.046	129	*	11.17	11.35		D	14575+3124	H 1	2 C	D	AB	327	0.764	0.009	0.18	0.05	G W
73193	6.968	0.007	5.636	0.004		1.131	0.002	G	1.09	0.00	H	5.6799	0.0007	0.005	42		5.67	5.69			14575−0011	I 1	1							S
73194						1.408	0.021	G	1.69	0.05	I	11.4850	0.0074	0.064	53		11.36	11.58					1							G
73195	8.519	0.018	7.039	0.010	*	1.246	0.016	T	1.20	0.02	L *	7.1461	0.0017	0.013	71	*	7.13	7.17		R	14576−3523	I 1	2 C	A	AB	63	1.826	0.003	1.31	0.02	S
73196	9.156	0.018	8.902	0.020		0.278	0.020	G	0.32	0.03	H	8.9333	0.0043	0.024	68		8.89	8.97		U			1							
73197	11.035	0.066	10.234	0.051		0.725	0.064	T	0.78	0.04	L	10.4103	0.0032	0.031	83		10.35	10.47					1							
73198	9.507	0.020	9.460	0.026		0.048	0.030	T	0.06	0.02	L	9.4680	0.0019	0.019	76		9.44	9.50					1							G
73199	6.595	0.010	4.862	0.013		1.590	0.017	G	2.85	0.00	G	4.5808	0.0119	0.107	109		4.44	4.70		U 2			1	O						S	P
73200	7.878	0.011	7.797	0.012		0.073	0.015	T	0.08	0.02	L	7.8428	0.0011	0.008	68		7.83	7.85					1							S

Number HIP 1 2	Descriptor: epoch J1991.25 RA h m s 3	Dec ±° ′ ″ 4	V mag 5	6 7	Position: epoch J1991.25 α (ICRS) deg 8	δ deg 9	10	Par. π mas 11	Proper Motion $\mu_{\alpha*}$ mas/yr 12	μ_δ 13	Standard Errors α* mas 14	δ 15	π mas 16	$\mu_{\alpha*}$ mas/yr 17	μ_δ 18	Astrometric Correlations (%) 19	20	21	22	23	24	25	26	27	28	Soln F1 % 29	F2 30
73201	14 57 38.52	+78 42 02.4	11.07	H	224.410 501 35	+78.700 662 03		10.02	−35.86	147.23	1.48	1.64	1.76	1.63	1.73	− 5	+ 2	−37	−26	+11	−15	+ 7	− 9	− 8	−10	0	−0.60
73202 H	14 57 39.89	+12 09 27.1	9.62	H	224.416 198 37	+12.157 517 62	A	6.67	−35.27	16.19	2.77	2.41	2.80	2.62	2.59	−49	−25	+ 2	−12	− 8	+ 1	−15	− 5	+18	−55	0	0.14
73203	14 57 41.62	+24 40 26.6	6.95	H	224.423 415 31	+24.674 064 50		3.03	−56.01	17.88	0.64	0.55	0.87	0.76	0.64	−13	−32	−20	+23	+ 9	−27	+ 9	+17	−22	−38	0	−0.71
73204	14 57 41.64	−49 52 16.9	7.78	H	224.423 515 96	−49.871 374 24		5.47	−41.63	5.85	1.15	1.16	1.06	1.75	2.81	−48	−30	− 5	−50	+59	+24	+61	−58	−18	−86	0	0.89
73205	14 57 42.76	−41 08 09.9	11.76	G	224.428 147 51	−41.136 076 91		19.74	−250.66	−159.37	2.75	2.17	3.13	2.70	2.67	+13	−37	−32	+ 1	− 3	− 1	− 2	+ 7	− 4	−15	0	0.83
73206	14 57 42.94	+44 27 58.7	7.39	H	224.428 935 58	+44.466 316 58		6.92	20.77	2.01	0.54	0.51	0.70	0.63	0.60	+19	−23	−14	+ 3	− 0	+ 7	+ 4	+ 9	−15	+ 1	0	0.27
73207	14 57 43.05	+46 15 04.6	8.80	H	224.429 364 39	+46.251 269 02		4.42	0.30	1.52	0.77	0.80	0.98	1.01	0.97	+15	+12	− 9	+10	+ 3	+ 6	+ 4	+31	−23	+ 0	3	−1.47
73208	14 57 43.09	−04 01 53.6	7.53	H	224.429 562 21	−04.031 546 26		11.37	−15.55	−52.65	0.99	0.73	1.14	1.08	0.85	−16	−46	−23	+18	−22	+17	−16	+25	− 2	−22	0	0.87
73209	14 57 43.55	+51 35 35.5	9.87	H	224.431 468 97	+51.593 180 90		3.76	−53.48	−123.84	1.02	0.92	1.17	1.10	0.95	+22	−11	−20	− 4	− 4	+ 7	+ 0	+ 7	−12	+ 2	0	0.78
73210	14 57 44.63	+53 38 48.3	8.60	H	224.435 962 08	+53.646 748 38		0.92	−41.86	46.12	0.68	0.65	0.81	0.86	0.73	+ 8	−14	−16	− 8	−12	− 6	−11	− 8	− 5	−33	2	−0.13
73211	14 57 45.05	+18 59 12.7	6.62	H	224.437 717 77	+18.986 866 51		8.97	−134.35	12.20	0.49	0.47	0.81	0.58	0.61	−20	−18	+ 7	+27	+ 4	−14	− 1	− 2	+ 4	−40	2	0.36
73212	14 57 45.21	+07 39 50.2	8.30	H	224.438 358 51	+07.663 957 35		3.96	9.47	−12.43	1.01	0.76	1.14	1.29	0.98	−37	+ 1	−29	+ 9	−22	+ 0	−24	− 3	+14	−38	0	0.77
73213	14 57 46.54	−12 26 15.2	7.14	2 H	224.443 896 81	−12.437 551 31		2.97	18.44	−14.46	1.09	0.69	1.19	1.46	0.98	−24	−18	− 6	+ 0	−28	−10	−31	−13	+23	−20	2	0.10
73214	14 57 47.53	+15 03 31.9	7.01	H	224.448 039 60	+15.058 851 53		4.90	35.30	−25.25	0.72	0.65	0.84	0.78	0.74	+ 7	−18	−30	−32	−41	+22	−38	− 6	+ 2	−12	0	0.04
73215	14 57 47.53	−42 29 50.0	7.41	G	224.448 044 43	−42.497 234 65		9.03	21.18	15.98	0.75	0.57	0.93	1.19	0.83	−27	− 4	+19	−21	− 9	−30	−23	+11	−14	+41	0	1.53
73216	14 57 48.00	+51 56 07.4	8.98	H	224.450 001 27	+51.935 384 20		6.31	−22.47	31.91	0.73	0.73	0.89	0.75	0.74	+20	−13	−17	− 8	−10	− 1	− 7	− 4	−17	+ 3	0	1.32
73217	14 57 49.39	−30 15 10.7	10.76	H	224.455 778 60	−30.252 984 62		−3.59	−42.82	−8.20	2.23	1.63	2.58	2.68	2.01	− 7	−28	−21	+11	− 5	+23	− 2	+ 8	+ 9	− 5	0	0.68
73218	14 57 50.16	+27 53 48.7	10.77	H	224.458 999 95	+27.896 853 65		1.70	−21.66	−14.46	1.44	1.25	1.89	1.84	1.54	−10	−23	−11	+16	+23	−17	+18	− 1	−10	−44	0	1.25
73219	14 57 50.85	−71 23 34.8	7.97	H	224.461 862 01	−71.392 996 09		−0.72	−4.17	−2.24	0.64	0.74	0.97	0.62	0.82	+31	−36	−17	− 1	+ 6	−16	+ 8	+ 0	−13	+36	0	−1.05
73220	14 57 51.42	+29 28 00.7	8.28	H	224.464 230 77	+29.466 853 93		11.71	65.06	−63.29	0.62	0.71	1.01	0.72	0.99	−11	+ 4	−10	−52	+14	− 6	+19	−33	− 3	−37	0	−0.34
73221	14 57 51.67	−33 16 26.5	8.96	H	224.465 270 83	−33.274 026 08		10.86	12.70	−44.28	1.24	0.94	1.37	1.37	1.07	− 8	− 5	−17	+11	+ 6	+12	+ 9	+ 7	− 5	+ 6	0	0.73
73222	14 57 52.04	−23 30 48.4	9.23	H	224.466 823 00	−23.513 448 62		9.67	−96.38	−56.79	1.23	0.78	1.34	1.45	1.09	−13	−18	−15	+ 7	− 9	+ 3	−11	+ 6	+ 5	+ 3	0	−0.29
73223	14 57 53.16	−76 39 45.4	5.37	H	224.471 489 16	−76.662 616 22		7.62	−68.58	−16.14	0.41	0.43	0.56	0.43	0.52	+ 1	−17	+13	−17	+12	− 5	+ 9	+13	+17	+10	1	0.39
73224	14 57 53.53	+29 52 34.3	9.84	2 H	224.473 033 61	+29.876 189 23		14.79	56.41	−198.13	1.18	1.15	1.69	1.24	1.45	−16	+ 7	−29	−50	+ 8	− 8	+18	− 6	+ 4	−41	0	−1.42
73225	14 57 56.17	−01 43 50.7	8.98	H	224.484 046 50	−01.730 744 97		8.36	−52.00	−31.34	1.26	1.26	1.39	1.49	1.43	−41	−21	−32	+45	−47	+23	−37	+61	−20	−46	0	1.07
73226	14 57 56.85	−81 12 15.1	8.82	H	224.486 883 34	−81.204 187 48		6.54	−6.73	−23.39	0.74	0.70	0.88	0.77	0.84	+17	−22	− 1	+ 0	− 3	− 3	− 2	− 4	− 2	+31	0	1.19
73227	14 57 57.25	−28 43 42.3	9.34	H	224.488 552 84	−28.728 403 26		−0.20	−5.69	0.61	1.29	1.09	1.43	1.73	1.46	−26	− 4	−11	+27	− 7	+10	− 6	+13	− 4	−19	0	0.94
73228	14 57 58.92	+18 39 52.7	9.66	H	224.495 520 41	+18.664 628 60		5.61	13.03	−9.93	0.76	0.92	1.42	1.00	1.37	−28	−11	− 5	+23	+ 9	+ 4	+11	+12	− 6	−47	0	−2.37
73229	14 57 58.98	−63 17 14.6	8.25	H	224.495 758 34	−63.287 390 66		10.21	−33.64	−53.42	0.48	0.62	0.98	0.60	0.77	+24	−10	+ 5	+32	+17	+ 3	+16	+32	+14	+36	0	−0.44
73230 H	14 57 59.44	−57 45 56.6	8.99	G	224.497 664 31	−57.765 728 61	A	−0.97	−6.23	−7.65	1.57	1.44	1.86	1.86	1.65	+ 1	− 1	+ 8	+ 9	+13	−19	+13	+11	+10	+18	2	0.32
73231	14 58 00.32	−77 07 23.2	8.07	H	224.501 332 08	−77.123 117 60		3.37	−14.36	−10.90	0.57	0.61	0.77	0.62	0.72	+10	−12	+21	+ 0	+18	− 5	+14	+31	+18	+26	0	0.50
73232	14 58 02.23	−30 10 14.6	9.97	G	224.509 289 53	−30.170 721 15		0.59	−23.79	−18.44	1.63	1.25	1.97	1.99	1.54	−11	−25	−29	+11	− 9	+24	− 3	+ 9	+ 6	−11	0	1.27
73233	14 58 02.84	+41 51 07.7	10.36	H	224.511 844 82	+41.852 139 26		1.89	−82.65	25.74	0.93	1.13	1.30	1.07	1.28	+19	− 5	+ 6	− 9	−15	− 8	−14	− 2	+ 5	+ 0	1	−0.04
73234	14 58 03.82	+09 24 02.2	10.59	H	224.515 930 54	+09.400 606 06		6.58	−217.00	104.08	1.55	1.24	2.07	1.53	1.64	−28	−30	−10	−16	−24	+23	−39	−13	+29	−33	0	−0.01
73235	14 58 03.97	+20 53 16.2	10.34	H	224.516 550 60	+20.887 821 20		10.45	−19.63	−21.43	1.07	1.06	1.88	1.57	1.76	+ 1	− 8	−30	− 4	+16	−21	+ 7	−15	+10	−46	0	−2.09
73236	14 58 04.06	+43 24 47.1	8.58	H	224.516 936 30	+43.413 081 71		0.14	−5.25	3.68	0.72	0.75	0.95	0.88	0.88	+20	+ 5	−19	+ 5	+17	−16	+13	+26	− 9	+29	0	3.41
73237	14 58 04.72	+63 51 21.9	8.65	2 H	224.519 659 13	+63.856 092 52		1.07	−19.51	−0.84	0.67	0.72	0.75	0.69	0.98	+ 2	−31	−11	−32	+ 4	+ 9	+ 1	−38	+13	− 7	0	−0.72
73238	14 58 05.30	−17 21 51.2	6.64	H	224.522 063 06	−17.364 212 88		7.16	−49.19	3.08	0.76	0.55	0.90	0.95	0.68	−32	−12	−26	+15	−15	+16	−11	−15	+11	−31	0	1.20
73239	14 58 06.89	+48 01 44.5	8.38	H	224.528 697 30	+48.029 016 07		17.90	−142.17	−63.57	0.69	0.62	0.79	0.97	0.72	+ 8	+ 7	− 4	+17	−12	− 2	−11	+14	−15	+ 2	0	0.07
73240	14 58 07.56	+40 49 44.5	9.32	H	224.531 494 96	+40.829 037 54		8.66	−72.20	70.13	0.84	0.90	1.11	0.96	1.09	+16	− 9	−12	+12	−15	+12	−15	+11	− 2	+10	0	0.86
73241	14 58 08.81	−48 51 43.9	6.34	H	224.536 725 27	−48.862 192 10		40.79	−15.47	−337.07	0.59	0.76	0.86	0.89	0.88	−39	− 2	−39	−23	+37	−22	+17	−29	+24	−50	2	0.04
73242	14 58 09.44	−38 47 01.6	8.91	H	224.539 314 36	−38.783 780 14		4.08	−11.36	−16.92	1.03	1.21	1.49	1.32	1.64	−29	−14	−49	+12	−21	− 4	−25	+24	+15	−56	0	0.54
73243	14 58 09.45	+05 52 43.2	9.92	H	224.539 383 87	+05.878 666 52		6.37	−19.34	16.48	1.57	1.26	1.66	1.99	1.52	+ 1	−19	−18	+27	+ 5	−28	+ 5	+30	−28	+17	3	0.63
73244	14 58 09.79	−68 35 26.3	8.63	G	224.540 787 01	−68.590 651 68		19.10	−175.70	−44.44	0.58	0.83	1.06	0.74	0.96	+39	−16	−10	+ 9	+10	− 2	+ 8	+28	− 6	+47	0	0.68
73245	14 58 10.97	+06 54 17.0	8.15	H	224.545 727 61	+06.904 729 95		30.18	−167.78	94.51	1.23	1.13	1.55	1.43	1.16	+31	−48	−64	+12	−12	+12	+10	+49	−31	− 5	0	0.73
73246 H	14 58 11.23	−31 29 01.6	9.05	H	224.546 806 42	−31.483 772 50	A	3.28	−35.24	−9.26	2.71	1.87	2.82	2.52	1.99	+16	−44	−19	+ 7	+ 3	+ 7	− 3	−13	+22	+15	1	0.54
73247	14 58 12.17	−61 14 04.1	8.94	2 H	224.550 723 77	−61.234 459 10		4.10	−2.76	−0.11	1.00	0.77	1.42	1.13	1.21	+32	−26	−12	+ 0	+ 6	−40	− 1	−21	+14	+ 2	0	1.28
73248	14 58 12.73	+26 49 00.9	7.53	G	224.553 042 99	+26.816 918 68		7.42	25.57	2.93	0.71	0.55	0.87	0.73	0.65	− 4	−37	+ 3	+10	+ 2	+ 1	+16	+26	−29	−26	0	0.14
73249	14 58 13.42	−11 09 17.1	6.61	H	224.555 904 63	−11.154 740 25		8.67	−8.97	−8.08	0.81	0.54	0.85	1.10	0.65	−37	− 5	−14	+22	−38	+15	−30	+ 9	−11	−15	0	1.67
73250	14 58 14.08	−36 03 51.6	7.80	G	224.558 658 50	−36.064 324 87		4.08	−8.42	−4.63	0.79	0.68	1.02	0.75	0.77	− 5	−37	−33	− 3	+ 9	−13	− 3	−14	+22	−23	0	1.03
73251	14 58 15.07	+36 00 40.5	11.10	H	224.562 774 83	+36.011 254 70		1.82	10.90	2.43	1.16	1.31	1.87	1.50	1.56	+16	− 2	− 1	+ 2	+ 7	− 2	+ 4	+11	+11	+ 8	0	0.47
73252	14 58 15.80	+59 34 59.9	10.20	H	224.565 835 84	+59.583 299 77		39.95	−106.77	67.28	0.80	0.88	0.92	0.87	1.04	+12	−19	− 4	− 1	−10	+ 2	−13	−18	+ 4	+ 2	1	0.71
73253	14 58 16.19	+14 02 15.3	6.77	G	224.567 470 78	+14.037 587 07		5.10	−31.49	10.37	0.73	0.56	0.82	0.87	0.64	+ 2	− 4	−18	−30	−35	+19	−33	− 7	+11	+ 3	0	−1.88
73254 H	14 58 16.53	−70 55 49.6	8.62	G	224.568 854 41	−70.930 450 13	A	1.05	− 4.39	− 2.20	1.10	1.41	1.62	1.13	1.45	+21	−19	+18	+11	+19	+ 4	+14	+29	+ 0	+47	0	0.56
73255 H	14 58 17.46	−08 41 40.3	9.84	H	224.572 731 20	−08.694 537 85	A	6.20	−38.01	−21.86	5.44	3.01	3.76	4.96	2.70	−26	− 3	−15	− 8	−20	− 4	−10	−33	+27	+ 1	2	−0.31
73256	14 58 18.39	+50 06 15.5	7.79	H	224.576 612 35	+50.104 297 10		2.50	9.43	−10.08	0.52	0.52	0.62	0.60	0.60	+16	−11	−14	−24	−11	+ 7	− 9	− 7	+ 7	+ 2	2	0.46
73257 H	14 58 19.13	+41 05 34.3	8.44	H	224.579 726 00	+41.092 874 99	A	12.89	6.84	13.44	1.04	1.21	1.33	1.08	1.32	+17	+ 6	+ 3	+ 9	−15	+ 9	−17	+ 2	+ 9	+15	3	−0.52
73258	14 58 19.29	+04 45 35.9	10.49	H	224.580 382 91	+04.759 979 42		28.41	53.83	−40.18	2.57	1.93	3.01	2.39	2.16	+14	−60	−37	+20	− 6	+ 3	− 0	+31	− 5	− 9	0	−0.26
73259	14 58 20.33	+10 01 48.2	9.92	H	224.584 715 01	+10.030 056 21		8.25	0.01	−36.63	1.14	0.95	1.37	1.20	1.20	−32	− 6	− 8	−20	−23	+22	−26	+ 2	− 7	−45	0	−1.94
73260	14 58 20.38	−27 19 37.6	7.66	H	224.584 919 90	−27.327 108 53		4.78	−6.25	− 3.01	0.87	0.65	0.98	1.18	0.88	+ 2	−18	−33	− 8	+15	+ 3	−17	+ 3	+ 6	+ 5	0	−1.67
73261 H	14 58 21.57	+44 02 35.9	8.45	H	224.589 855 99	+44.043 314 93	A	10.15	−57.47	−69.27	1.86	1.59	2.01	1.95	1.56	+10	− 2	+ 2	−13	− 3	−34	− 1	− 2	−16	+22	0	1.00
73262	14 58 22.08	−17 32 57.0	10.26	H	224.592 014 13	−17.549 175 50		13.35	−113.83	−373.03	1.63	1.11	1.78	1.92	1.39	−17	+ 2	−21	−23	−11	− 9	−16	−28	+ 5	−15	4	0.48
73263 H	14 58 22.25	−45 06 52.0	8.35	H	224.592 716 11	−45.114 439 46	A	1.53	−10.66	− 7.36	1.93	1.47	1.88	1.80	1.82	−35	− 5	−15	+33	− 5	+10	− 1	+31	− 1	−16	3	0.76
73264	14 58 22.48	+87 00 22.6	8.12	H	224.593 686 34	+87.006 284 86		6.84	−49.33	− 3.12	0.54	0.65	0.65	0.60	0.84	− 6	+ 5	−10	−19	+ 3	+ 4	+ 3	−20	− 4	−21	0	0.61
73265	14 58 24.20	−65 47 48.7	8.99	H	224.600 832 19	−65.796 870 65		1.19	− 7.70	− 1.14	0.62	0.87	1.27	0.68	1.00	+34	− 3	− 3	+ 1	+28	−19	+22	+31	−16	+56	0	−0.63
73266	14 58 24.28	−37 21 44.7	7.26	H	224.601 161 80	−37.362 418 33		6.84	−19.62	−23.78	0.72	0.74	0.97	0.84	0.80	−23	− 1	−41	+ 8	+16	−12	+16	−21	+16	− 9	0	0.98
73267	14 58 26.12	−33 40 50.8	9.03	H	224.608 838 66	−33.680 789 14		4.26	−33.62	−22.34	1.12	0.85	1.25	1.08	0.97	− 4	−24	−17	− 4	− 4	+ 3	− 3	+ 6	− 5	−11	0	−1.65
73268	14 58 29.29	−70 07 45.3	8.59	H	224.622 030 36	−70.129 248 25		2.56	5.35	− 5.96	0.61	0.75	1.01	0.69	0.87	+29	−20	−12	+ 7	+14	− 7	+11	+16	+ 0	+43	0	0.19
73269	14 58 30.59	−28 42 33.5	7.66	H	224.627 459 65	−28.709 306 07		20.41	−100.64	−95.56	0.86	0.67	0.98	1.08	0.87	−13	−24	−19	+22	− 7	+11	− 6	+15	+ 7	−13	0	1.90
73270	14 58 30.81	−51 50 16.4	8.17	H	224.628 390 76	−51.837 901 15		7.53	−35.87	−32.15	0.68	0.71	1.07	0.69	0.83	− 6	−37	−34	+ 8	+21	−36	− 3	−17	+34	−37	0	0.20
73271	14 58 31.06	+09 29 52.6	7.81	H	224.629 425 00	+09.497 953 31		14.03	44.81	−25.61	0.74	0.62	1.01	0.76	0.78	−36	−25	−14	− 3	−30	+29	−37	+ 1	+19	−41	2	0.09
73272	14 58 31.76	+12 58 09.0	10.09	H	224.632 326 42	+12.969 175 03		4.66	6.05	5.13	1.22	1.07	1.54	1.27	1.09	−28	−17	− 3	−25	−15	+16	−16	−12	+ 7	−25	0	−1.84
73273	14 58 31.95	−43 08 01.9	2.68	1 G	224.633 141 93	−43.133 866 99		6.23	−34.06	−38.30	0.55	0.40	0.71	0.82	0.62	−36	− 1	− 1	− 3	− 5	−29	−17	+19	−16	+24	0	0.58
73274	14 58 32.95	+02 12 34.2	9.94	G	224.637 295 05	+02.209 502 37		6.90	−12.13	−14.08	1.51	1.46	1.80	1.87	1.56	−13	−20	−24	+20	+18	+11	+23	+ 4	− 6	+ 0	0	−0.13
73275	14 58 33.17	+17 38 23.6	9.07	H	224.638 190 55	+17.639 887 20		0.64	−47.61	15.51	1.18	1.06	1.50	1.57	1.26	− 4	−37	−29	−16	−27	+12	−24	−10	+14	−20	0	0.00
73276	14 58 34.20	−00 51 22.4	10.20	H	224.642 491 37	−00.856 223 69		6.18	21.28	− 1.73	1.67	1.48	1.81	1.93	1.69	−29	+ 5	−28	+32	+ 7	+16	+13	− 4	− 9	−28	0	−0.05
73277	14 58 34.23	+20 07 53.2	10.69	H	224.642 638 68	+20.131 448 31		5.38	− 8.15	− 2.31	1.27	1.18	2.34	1.95	2.12	− 4	−30	−27	+18	+ 3	−33	−18	− 6	+25	−62	0	0.94
73278	14 58 36.18	+30 31 18.5	10.34	H	224.650 751 23	+30.521 798 26		1.75	− 8.07	−15.19	1.22	1.20	1.89	1.70	1.73	− 7	+ 4	−27	−10	−14	+ 9	+ 2	+15	− 2	−60	0	1.36
73279	14 58 36.59	−39 54 25.1	6.17	H	224.652 440 58	−39.906 979 56		8.92	−75.62	−79.33	0.74	0.71	1.06	0.87	0.84	− 4	−10	−55	+28	+ 6	+ 0	+ 5	− 5	+30	−22	0	−1.34
73280	14 58 36.91	−06 25 39.7	8.32	H	224.653 771 20	−06.427 686 99		0.47	12.77	− 4.68	1.07	1.07	1.50	1.66	1.20	−32	+ 7	−44	− 8	+18	−49	+ 0	−34	+38	−43	0	0.22
73281	14 58 37.06	+08 10 52.9	10.46	H	224.654 435 94	+08.181 362 89		3.39	− 7.52	12.45	1.81	1.42	2.00	2.29	1.86	−48	+ 7	−15	+14	− 8	−14	− 8	−15	+19	−46	0	0.10
73282	14 58 38.25	+34 55 06.8	8.22	H	224.659 368 98	+34.918 546 46		1.62	4.78	25.81	0.58	0.67	0.94	0.66	0.79	+12	−10	−11	− 4	+ 3	− 4	+ 2	−10	+ 3	− 5	0	0.57
*73283	14 58 39.35	+61 40 00.8	7.22	H	224.663 943 20	+61.666 883 34		3.65	− 8.32	7.76	0.55	0.58	0.61	0.61	0.77	+14	−12	−15	−23	− 5	−10	− 9	−33	+12	+ 2	0	1.90
*73284 H	14 58 39.29	−27 39 26.3	5.65	G	224.663 691 81	−27.657 293 01	A	9.32	−47.62	− 8.60	1.45	1.19	1.42	1.42	1.29	+ 5	−35	−13	− 8	− 5	+ 4	− 6	−11	+ 1	− 7	3	0.09
73285	14 58 39.55	+24 20 49.2	11.00	G	224.664 806 05	+24.346 987 38		16.40	−195.76	−44.54	2.57	2.51	4.03	3.39	3.21	+ 0	−20	− 9	+21	+ 1	−37	− 8	+ 5	+ 3	−43	5	0.57
73286	14 58 40.28	+38 31 09.4	8.35	H	224.667 834 15	+38.519 286 37		7.66	−49.68	− 1.24	0.66	0.71	0.94	0.77	0.84	+24	+ 7	− 6	− 3	− 9	− 2	− 9	−15	+15	+15	0	0.63
73287	14 58 40.79	−22 24 05.1	7.89	G	224.669 966 55	−22.401 414 22	A	7.69	−92.22	−45.27	2.22	1.62	1.95	2.27	2.10	−36	+15	−21	+ 3	−12	+11	−15	+ 7	−29	−32	1	0.60
73288 T	14 58 41.16	−57 51 04.0	8.27	2 H	224.671 479 90	−57.851 106 83		−2.90	2.46	− 3.35	1.56	1.27	1.84	2.20	1.67	+ 6	−14	+ 0	+ 4	+29	− 7	+27	− 6	+10	+30	0		
73289	14 58 41.65	−22 24 06.1	10.13	H	224.673 536 58	−22.401 703 60	B	17.70	−90.06	−45.66	27.29	20.85	8.73	10.29	9.85	−37	+17	−32	+11	− 8	+ 9	−10	+ 7	−20	−36	1	0.60
73290	14 58 41.96	−17 40 45.8	8.83	G	224.674 854 08	−17.679 399 07		3.76	−14.37	− 5.27	1.00	0.79	1.23	1.14	0.99	−31	−22	−33	+20	− 5	− 1	−12	+12	+21	−47	0	0.15
73291	14 58 42.67	−12 46 06.1	7.72	H	224.677 795 04	−12.768 373 44		5.66	43.87	−13.61	1.07	0.67	1.25	1.22	0.92	−29	−37	− 8	− 1	−13	− 1	−22	−21	+26	−26	3	−0.49
73292	14 58 42.76	+08 28 29.8	8.76	H	224.678 146 82	+08.474 944 49		2.16	−12.79	−15.08	1.18	0.87	1.59	1.58	1.24	−32	−19	−21	+25	−31	+13	−30	−19	+47	−16	2	0.30
73293	14 58 43.99	−75 32 51.3	8.98	H	224.683 306 03	−75.547 569 85		15.64	34.64	−91.17	0.70	0.79	0.96	0.78	0.87	+16	− 6	+ 9	+ 2	+21	−10	+19	+33	+17	+19	0	−0.49
73294	14 58 44.65	−29 28 11.9	10.09	G	224.686 054 63	−29.469 984 07		1.42	−32.26	−22.02	1.47	1.10	1.64	1.76	1.37	−11	−26	−26	+19	− 5	+ 8	− 4	+ 9	+ 6	−13	0	−0.73
73295	14 58 44.99	−65 00 13.4	7.95	H	224.687 441 56	−65.003 722 39		8.04	−33.47	−29.89	0.47	0.55	0.76	0.50	0.62	+ 6	−25	− 4	+32	+ 4	+18	+ 3	+32	+ 2	+10	0	1.33
73296	14 58 45.48	−23 51 02.0	8.97	H	224.689 510 84	−23.850 553 22		2.32	−22.91	−21.28	1.15	0.71	1.29	1.75	1.14	−29	−12	+ 1	+ 2	−19	+19	−20	− 1	+14	+17	0	1.54
73297	14 58 46.71	+19 17 40.3	9.87	H	224.694 628 46	+19.294 541 62		10.68	−96.67	−42.23	0.90	0.86	1.53	1.21	1.40	−18	+ 1	−17	+27	+ 9	− 3	− 3	− 8	+ 6	−54	3	−1.72
73298	14 58 47.38	−66 18 50.4	8.51	H	224.697 419 80	−66.314 004 89		4.03	−11.50	−15.74	0.48	0.73	1.03	0.54	0.89	+32	− 3	+ 7	−22	+17	− 4	+ 9	+24	− 9	+50	1	0.88
73299	14 58 48.16	+76 31 40.6	7.47	H	224.700 676 87	+76.527 953 10

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
73201											T	11.1969	0.0049	0.040	88		11.14	11.27		C			1							G
73202	10.363	0.041	9.726	0.037	A	0.625	0.126	G	0.75	0.08	L *	9.7637	0.0026	0.021	85	*	9.73	9.81		D	14577+1209	H 1	2 C A	AB	323	2.458	0.052	2.42	0.11	
73203	8.745	0.010	7.101	0.005		1.390	0.015	G	1.45	0.06	F	7.0901	0.0012	0.011	113		7.07	7.11					1							S
73204	8.012	0.010	7.799	0.010		0.203	0.013	T	0.22	0.01	L	7.8477	0.0013	0.012	80		7.83	7.87					1 G							S
73205						1.219	0.012	G	1.37	0.02	I	11.9004	0.0098	0.059	67		11.81	12.00					1							D
73206	7.541	0.006	7.395	0.008		0.140	0.009	T	0.15	0.01	L	7.4388	0.0009	0.011	123		7.42	7.46					1 G							S
73207	10.041	0.021	8.895	0.014		0.985	0.020	T	0.97	0.02	L	8.9658	0.0017	0.018	117		8.93	9.00		C			1							
73208	8.200	0.011	7.598	0.013		0.561	0.015	T	0.63	0.01	L	7.6564	0.0011	0.008	45		7.64	7.67		C			1							S
73209	10.828	0.051	9.956	0.036		0.779	0.047	T	0.81	0.03	L	10.0222	0.0031	0.026	101		9.99	10.06		C			1							
73210	9.764	0.022	8.704	0.016		0.919	0.021	T	0.92	0.01	L	8.7578	0.0016	0.012	100		8.74	8.78					1							S
73211	7.793	0.007	6.723	0.005		0.927	0.007	T	0.92	0.01	L	6.7841	0.0005	0.007	148		6.77	6.80					1							S
73212	8.544	0.011	8.312	0.012		0.221	0.015	T	0.24	0.02	L	8.3636	0.0011	0.013	86		8.34	8.39		C			1							S
73213	9.031	0.017	7.376	0.009		1.410	0.016	T	3.64	0.04	O	6.7652	0.0145	0.198	55		6.58	7.08		U 2 C			1 S							S
73214	8.695	0.013	7.145	0.007		1.301	0.012	T	1.26	0.01	L	7.1715	0.0012	0.008	77		7.16	7.18		C			1							S
73215	7.761	0.007	7.448	0.009		0.299	0.012	T	0.34	0.02	L	7.4885	0.0012	0.013	98		7.46	7.52					1							S
73216	9.278	0.014	8.989	0.016		0.275	0.020	T	0.31	0.03	L	9.0512	0.0021	0.019	108		9.03	9.08					1							
73217	11.708	0.133	10.898	0.101		0.732	0.128	T	0.78	0.09	L	10.9020	0.0066	0.031	64		10.84	10.98		C			1							G
73218						1.577	0.082	G	1.71	0.17	K	10.8726	0.0039	0.031	107		10.81	10.96		C			1							G
73219	10.026	0.022	8.139	0.009		1.568	0.019	T	1.59	0.02	L	8.0836	0.0020	0.017	141		8.06	8.11					1							
73220	8.822	0.009	8.322	0.009		0.483	0.015	G	0.55	0.02	H	8.3855	0.0016	0.017	178		8.36	8.42					1							S
73221	9.632	0.024	9.018	0.022		0.569	0.024	T	0.64	0.02	L	9.0817	0.0026	0.017	59		9.06	9.11		C			1							
73222	9.986	0.033	9.252	0.027		0.658	0.032	T	0.72	0.03	L	9.3638	0.0021	0.016	72		9.34	9.40		C			1							
73223	7.258	0.005	5.535	0.002		1.442	0.004	G	1.44	0.01	H	5.5086	0.0007	0.007	152		5.50	5.52					1							S
73224	10.922	0.048	9.873	0.030		0.768	0.020	G	0.81	0.02	R	9.9776	0.0037	0.035	131		9.92	10.04		U			1							
73225	9.683	0.032	9.020	0.028		0.615	0.036	T	0.68	0.03	L	9.1091	0.0015	0.014	49		9.09	9.14		D			1							
73226	9.415	0.016	8.833	0.015		0.546	0.016	T	0.62	0.01	L	8.9380	0.0024	0.023	139		8.89	8.97					1							
73227	10.575	0.049	9.468	0.031		0.955	0.045	T	0.94	0.03	L	9.5020	0.0039	0.021	58		9.47	9.54					1							
73228	10.256	0.025	9.716	0.025		0.506	0.032	T	0.58	0.03	L	9.7716	0.0017	0.022	139		9.73	9.82		C			1							
73229	8.794	0.009	8.291	0.009		0.484	0.010	T	0.56	0.01	L	8.3586	0.0012	0.017	217		8.33	8.39					1							
73230	9.137	0.014	9.084	0.018	*	0.054	0.021	T	0.07	0.02	L *	9.0379	0.0027	0.028	99	*	9.00	9.08			14580−5746	H 1	2 C A	AB	209	0.832	0.013	2.23	0.06	
73231	8.142	0.008	8.060	0.009		0.074	0.011	T	0.09	0.01	L	8.0969	0.0017	0.017	144		8.07	8.13					1							S
73232	10.585	0.045	10.019	0.044		0.540	0.020	G	0.61	0.02	H	10.0942	0.0044	0.028	62		10.06	10.13					1							G
73233	11.090	0.050	10.448	0.044		0.596	0.058	T	0.67	0.05	L	10.4874	0.0035	0.033	129		10.44	10.57		C			1							
73234	11.320	0.058	10.577	0.050		0.680	0.061	T	0.74	0.05	L	10.7268	0.0029	0.028	134		10.68	10.78					1							G
73235	11.119	0.053	10.370	0.044		0.685	0.054	T	0.74	0.04	L	10.4766	0.0030	0.028	118		10.43	10.53		C			1							
73236	10.633	0.035	8.759	0.014		1.557	0.030	T	1.57	0.03	L	8.6989	0.0018	0.021	120		8.66	8.73					1							
73237	10.754	0.038	8.879	0.014		1.558	0.032	T	1.58	0.03	L	8.7659	0.0044	0.041	103		8.71	8.83		U 2			1							
73238	8.264	0.013	6.775	0.007		1.253	0.012	T	1.21	0.01	L	6.7957	0.0007	0.005	76		6.78	6.81					1							S
73239	9.416	0.015	8.455	0.011		0.832	0.014	T	0.85	0.01	L	8.5238	0.0021	0.020	123		8.50	8.55					1							S
73240	10.104	0.023	9.398	0.019		0.637	0.023	T	0.70	0.02	L	9.4493	0.0031	0.026	137		9.41	9.52					1							
73241	7.207	0.011	6.425	0.008		0.708	0.002	G	0.78	0.02	A	6.4810	0.0010	0.007	82		6.47	6.50		C			1 G							S
73242	10.813	0.054	9.039	0.022		1.478	0.046	T	1.49	0.07	L	9.0429	0.0035	0.016	54		9.01	9.07					1							
73243	10.369	0.050	9.981	0.056		0.367	0.070	T	0.43	0.08	L	10.0052	0.0037	0.025	41		9.96	10.05					1							
73244	9.444	0.013	8.685	0.011		0.651	0.015	G	0.71	0.01	H	8.7610	0.0013	0.017	184		8.73	8.80					1							
73245	9.124	0.021	8.234	0.016		0.780	0.015	G	0.82	0.01	H	8.2947	0.0011	0.008	49		8.27	8.31		D			1							S
73246	9.696	0.032	9.265	0.033	A	0.400	0.495	G	0.44	0.10	L *	9.1366	0.0030	0.020	45	*	9.10	9.18		C	14582−3129	I 1	2 C A	AB	48	3.512	0.014	1.64	0.11	
73247	9.184	0.013	8.962	0.014		0.212	0.018	T	0.23	0.02	L	9.0008	0.0038	0.066	145		8.95	9.13	5.87	P 1 A			1							P
73248	8.084	0.009	7.595	0.008		0.524	0.003	G	0.60	0.00	H	7.6436	0.0014	0.012	107		7.63	7.66		C			1							S
73249	6.621	0.005	6.609	0.006		0.012	0.007	T	0.03	0.01	L	6.6203	0.0006	0.006	73		6.61	6.63		C			1							S
73250	7.701	0.009	7.768	0.010		−0.067	0.002	G	−0.04	0.00	H	7.7903	0.0013	0.009	59		7.77	7.81		C			1							S
73251	11.711	0.081	11.026	0.068		0.574	0.072	G	0.65	0.07	R	11.2223	0.0041	0.045	161		11.14	11.29					1 G							G
73252	11.710	0.103	10.261	0.043		1.565	0.082	G	2.50	0.34	I	10.2231	0.0020	0.021	118		10.18	10.26					1							
73253	8.493	0.013	6.937	0.008		1.306	0.012	T	1.23	0.06	F	6.9325	0.0011	0.009	76		6.92	6.95		C			1							S
73254	8.452	0.015	8.407	0.017	*	−0.036	0.012	G	−0.01	0.01	H *	8.6161	0.0027	0.025	150	*	8.57	8.66		D	14583−7056	I 1	2 C A	AB	345	2.057	0.008	1.72	0.04	P
73255	10.455	0.049	9.811	0.043	*	0.598	0.056	T	0.67	0.05	L *	9.9635	0.0026	0.023	85	*	9.92	10.00		D	14583−0841	I 1	2 C A	AB	91	0.433	0.010	0.18	0.06	
73256	9.794	0.021	7.962	0.010		1.524	0.018	T	1.56	0.03	L	7.9099	0.0013	0.012	116		7.89	7.93					1							S
73257	9.112	0.013	8.557	0.012	A	0.200	0.495	G	0.63	0.02	L *	8.5590	0.0017	0.017	136	*	8.53	8.59		D	14583+4106	I 1	2 C A	AB	96	5.036	0.023	3.01	0.12	S
73258						1.564	0.197	G	2.50	0.82	I	10.5089	0.0069	0.031	38		10.46	10.58					1 G							
73259	10.629	0.032	9.989	0.029		0.594	0.037	T	0.66	0.03	L	10.0443	0.0023	0.024	138		10.01	10.09		C			1							
73260	8.916	0.017	7.763	0.011		0.990	0.016	T	0.97	0.01	L	7.8246	0.0011	0.010	65		7.81	7.84					1							
73261	8.999	0.019	8.399	0.018	*	0.560	0.023	T	0.63	0.02	L *	8.5687	0.0018	0.016	117	*	8.54	8.60		D	14584+4403	I 1	2 C A	AB	277	4.164	0.004	0.51	0.02	S
73262	11.246	0.104	10.200	0.061		0.898	0.094	T	0.90	0.07	L	10.4008	0.0025	0.020	69		10.36	10.43		D			1							G
73263	8.377	0.010	8.382	0.013	*	−0.003	0.014	T	0.02	0.01	L *	8.3552	0.0018	0.014	104	*	8.33	8.38		D	14584−4507	I 1	2 C A	AB	291	0.504	0.003	0.61	0.02	
73264	8.762	0.013	8.170	0.011		0.558	0.015	G	0.63	0.01	H	8.2371	0.0014	0.012	117		8.21	8.28		C			1							S
73265	9.166	0.011	9.013	0.013		0.147	0.016	T	0.16	0.02	L	9.0406	0.0020	0.022	212		9.00	9.08					1							
73266	7.237	0.007	7.254	0.007		−0.026	0.003	G	0.00	0.00	H	7.2622	0.0011	0.007	55		7.25	7.28		C			1							S
73267	9.591	0.026	9.095	0.025		0.478	0.028	T	0.55	0.03	L	9.1340	0.0028	0.018	59		9.10	9.16		C			1							
73268	8.864	0.010	8.607	0.012		0.245	0.015	T	0.27	0.02	L	8.6625	0.0014	0.018	164		8.63	8.70		C	14585−7008	I 1	1							
73269	8.312	0.013	7.719	0.009		0.554	0.012	T	0.63	0.01	L	7.7855	0.0022	0.013	59		7.77	7.82					1							S
73270	8.556	0.011	8.213	0.011		0.332	0.017	T	0.39	0.02	L	8.2527	0.0013	0.012	103		8.23	8.28					1							
73271	8.294	0.009	7.863	0.008		0.432	0.015	G	0.50	0.02	H	7.9084	0.0010	0.010	144		7.89	7.93		C			1							S
73272	10.543	0.041	10.129	0.044		0.391	0.056	T	0.46	0.06	L	10.1791	0.0030	0.025	93		10.14	10.22					1							
73273	2.435	0.002	2.646	0.002		−0.184	0.002	T	−0.23	0.02	A	2.5982	0.0005	0.005	117		2.59	2.61		M			1							S
73274	10.839	0.095	10.016	0.072		0.580	0.020	G	0.65	0.02	H	10.0555	0.0040	0.018	35		10.01	10.08					1							
73275	10.302	0.032	9.158	0.021		0.983	0.030	T	0.96	0.02	L	9.2330	0.0023	0.023	60		9.20	9.27		C			1							
73276	10.815	0.073	10.274	0.067		0.423	0.015	G	0.49	0.02	H	10.3005	0.0037	0.021	53		10.25	10.34					1							
73277	12.087	0.135	10.856	0.067		1.060	0.124	T	1.71	0.17	K	10.7981	0.0038	0.039	140		10.72	10.85					1							G
73278	12.065	0.126	10.398	0.047		1.393	0.106	T	1.37	0.13	L	10.4928	0.0040	0.039	132		10.43	10.56		C			1							
73279	7.727	0.011	6.293	0.006		1.216	0.003	G	1.18	0.00	H	6.3292	0.0011	0.007	53		6.32	6.34		C			1							S
73280	10.203	0.040	8.471	0.018		1.445	0.035	T	1.44	0.06	L	8.4619	0.0025	0.015	53		8.43	8.49					1							S
73281	11.492	0.090	10.526	0.065		0.849	0.082	T	0.86	0.06	L	10.6208	0.0041	0.034	84		10.57	10.67		C			1							
73282	9.779	0.017	8.352	0.009		1.205	0.015	T	1.16	0.01	L	8.3853	0.0015	0.020	183		8.35	8.42					1							S
73283	7.316	0.006	7.234	0.007		0.081	0.009	T	0.09	0.01	L	7.2586	0.0011	0.010	101		7.24	7.28		C			1							S
73284	5.986	0.005	5.699	0.005	*	0.262	0.011	G	0.26	0.03	C *	5.7280	0.0010	0.008	57	*	5.71	5.74		D	14587−2739	I 1	2 C A	AS	354	0.561	0.002	0.29	0.01	S
73285											T	12.0528	0.0122	0.085	84		11.84	12.19					1 S							G
73286	8.985	0.012	8.402	0.011		0.545	0.014	T	0.62	0.01	L	8.4693	0.0020	0.021	138		8.43	8.50					1							S
73287	8.488	0.015	7.914	0.011	A	0.529	0.015	G	0.60	0.02	H	7.9926	0.0078	0.035	77	A	7.96	8.09		D	14587−2224	I 2	1 C P A							S
73288	10.463	0.035	8.568	0.014		1.607	0.031	T	2.96	0.04	O	8.1958	0.0078	0.058	97		8.11	8.30		U 2	14587−5751	I 1	1 X S							P
73289	10.666	0.090	10.007	0.080	B	0.611	0.101	T	0.68	0.09	L	10.3447	0.0588			B				D	14587−2224	I 2	1 C I A							
73290	9.027	0.016	8.837	0.019		0.158	0.020	G	0.17	0.02	H	8.8930	0.0020	0.016	73		8.87	8.92		C			1							
73291	9.296	0.020	7.861	0.011		1.211	0.018	T	1.17	0.02	L	7.8866	0.0015	0.009	63		7.87	7.90					1							S
73292	10.057	0.029	8.842	0.019		1.039	0.027	T	1.01	0.02	L	8.9257	0.0021	0.016	84		8.90	8.95		C			1							
73293	9.826	0.019	9.049	0.015		0.691	0.018	T	0.75	0.01	L	9.1215	0.0022	0.021	144		9.09	9.16					1							
73294	10.612	0.047	10.071	0.046		0.470	0.020	G	0.54	0.02	H	10.1974	0.0024	0.023	66		10.15	10.23		C			1							G
73295	8.219	0.008	7.982	0.009		0.226	0.011	T	0.25	0.01	L	8.0157	0.0014	0.014	174		8.00	8.04		C			1							S
73296	10.646	0.042	9.083	0.020		1.311	0.037	T	1.27	0.04	L	9.1230	0.0017	0.013	79		9.10	9.15		C			1							
73297	10.775	0.035	9.923	0.028		0.748	0.034	T	0.79	0.02	L	10.0054	0.0024	0.023	143		9.97	10.04		C			1							
73298	8.530	0.007	8.515	0.009		0.019	0.011	T	0.04	0.01	L	8.5228	0.0014	0.019	270		8.49	8.56					1							
73299	8.568	0.010	7.565	0.007		0.876	0.009	T	0.89	0.01	L	7.6291	0.0013	0.011	112		7.61	7.65		C			1							S
73300						0.574	0.072	G	0.65	0.07	R	11.5442	0.0061	0.053	110		11.45	11.63					1							G

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 (ICRS) α deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%) δ α*	π α*	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ μ_δ	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
73301	14 58 48.50	+24 10 10.9	7.14	G	224.702 067 01	+24.169 696 52	7.19	−9.53	18.08	0.60	0.60	0.85	0.70	0.71	− 2	− 6	− 6	+19	− 6	−13	− 5	+19	−20	−25	0	−0.59
73302	14 58 49.00	+37 14 02.3	8.80	H	224.704 149 45	+37.233 959 97	22.96	−119.71	53.30	0.65	0.71	0.96	0.72	0.80	+27	− 2	−16	+ 4	+ 4	−18	+ 1	+ 2	− 4	+21	0	3.03
73303	14 58 49.64	+25 02 52.8	7.33	H	224.706 814 59	+25.047 990 56	4.01	−11.36	−2.94	0.65	0.57	0.86	0.74	0.66	−15	−30	−10	+24	− 5	−15	+ 2	+26	−27	−38	2	−0.18
73304	14 58 50.39	+34 30 09.9	8.64	H	224.709 966 73	+34.502 738 73	3.40	−10.24	8.90	0.59	0.73	1.01	0.66	0.90	+26	− 2	− 8	− 7	− 5	−10	− 7	−17	+ 0	+19	1	1.62
73305	14 58 50.70	−20 52 04.0	9.35	H	224.711 230 59	−20.867 789 17	3.95	−19.83	−33.07	1.18	0.90	1.51	1.42	1.11	−29	−14	−32	+17	−18	+36	− 3	+ 4	−14	−32	0	0.48
73306	14 58 52.29	−38 19 11.6	8.59	H	224.717 879 86	−38.319 878 51	5.34	−116.22	−17.87	1.03	1.09	1.38	1.16	1.31	−26	− 9	−39	−12	+10	−12	+ 5	−14	+ 0	−34	0	1.67
73307	14 58 52.63	+12 04 47.2	8.39	H	224.719 276 30	+12.079 768 08	4.85	9.63	9.01	0.89	0.71	1.01	0.92	0.79	−25	−18	− 3	+ 6	−13	+10	−13	− 5	+ 2	−27	0	0.38
73308	14 58 52.76	−15 26 10.7	8.61	H	224.719 820 86	−15.436 312 12	2.60	2.74	−21.21	1.20	0.84	1.45	1.93	1.44	−32	−21	−24	+21	−10	−27	−28	−10	+33	−58	0	1.17
73309	14 58 52.99	−04 59 20.4	6.08	G	224.720 802 47	−04.988 994 99	28.67	−358.55	−107.53	0.76	0.72	0.92	0.96	0.92	−34	−22	−29	+25	+16	−23	+ 2	−20	+30	−50	0	1.70
73310	14 58 53.64	−11 08 37.9	5.88	H	224.723 516 84	−11.143 864 22	10.32	−106.68	−61.53	0.81	0.54	0.85	1.21	0.67	−20	+ 3	− 2	− 1	−42	− 8	−33	−14	−22	+15	0	1.36
73311	14 58 53.73	+10 21 17.6	8.88	H	224.723 862 71	+10.354 883 23	3.05	−13.63	−17.44	0.84	0.82	1.12	0.84	0.87	−43	− 9	− 5	− 9	−11	+27	−12	− 7	+ 3	−45	0	−0.29
73312	14 58 54.23	−07 18 23.7	9.67	G	224.725 955 31	−07.306 576 44	3.23	−26.69	−4.66	1.28	1.01	1.75	1.62	1.38	−33	+ 3	−49	+16	− 5	− 8	− 5	−46	+51	−30	2	−1.01
73313	14 58 54.48	+52 11 05.3	8.90	H	224.727 005 36	+52.184 817 62	4.93	− 9.83	−24.29	0.70	0.73	0.88	0.72	0.76	+20	−16	−16	−10	− 6	− 5	− 6	− 8	−10	+ 2	1	0.76
73314	14 58 55.31	+06 36 16.6	8.45	H	224.730 450 30	+06.604 604 14	25.66	63.66	106.02	1.43	1.30	1.59	2.05	1.44	+26	−28	−60	+47	+11	+ 2	+24	+57	−34	+25	0	1.81
73315	14 58 55.93	−00 56 53.0	9.85	2 H	224.733 050 27	−00.948 041 96	6.71	−12.75	− 8.26	1.56	1.48	1.97	1.89	1.61	−30	−10	−36	+23	+ 2	+22	+14	− 9	− 6	−30	0	0.74
73316	14 58 56.29	+09 01 15.7	8.49	H	224.734 544 57	+09.021 017 60	15.73	−63.31	−31.50	1.00	0.70	1.28	1.14	0.89	−37	−21	−13	+17	−31	+35	−34	− 6	+24	−23	0	−0.26
73317	14 58 56.40	−00 20 33.6	8.08	H	224.734 988 94	−00.342 657 84	4.96	14.21	−17.95	1.08	0.92	1.36	1.16	0.96	− 9	−28	−45	+29	−15	+26	+ 7	+28	−30	−26	0	−2.24
73318	14 58 56.70	−46 02 37.2	8.47	H	224.736 234 27	−46.043 667 86	2.41	−11.31	−11.28	0.71	0.71	1.03	0.79	0.91	−31	−14	−10	+ 3	+ 4	−17	+ 0	+ 9	+17	−28	0	1.58
73319	14 58 56.74	−34 49 27.9	8.69	H	224.736 406 59	−34.824 420 75	3.06	−14.05	−25.27	1.03	0.83	1.19	1.10	1.06	−12	−15	−24	+ 8	− 5	− 5	− 6	+11	+ 2	−26	0	−1.85
73320 H	14 58 57.46	+00 59 10.0	9.16	H	224.739 407 96	+00.986 119 73 *	4.67	6.50	−3.50	3.76	4.43	2.15	1.94	2.33	−41	−29	−22	+39	−33	+ 1	−29	+47	− 2	−65	1	0.56
73321	14 58 58.22	+17 19 37.7	7.82	H	224.742 580 52	+17.327 145 18	15.88	−34.76	−69.68	0.93	0.73	1.05	1.08	0.87	− 2	−27	+ 4	−17	−26	−13	−25	−12	+ 1	− 4	0	−0.18
73322	14 58 58.64	−63 06 44.7	10.03	H	224.744 340 79	−63.112 410 64	1.28	− 3.24	− 2.80	0.78	1.01	1.55	0.92	1.16	+22	−11	+12	+49	+16	+ 0	+15	+46	+14	+35	0	0.50
73323	14 59 00.20	−55 27 53.8	8.77	H	224.750 825 53	−55.464 941 09	2.31	− 9.15	0.41	0.98	0.84	1.23	1.36	1.21	+19	−15	−20	+45	+30	−11	+34	+15	+ 7	+36	0	1.00
73324	14 59 01.79	−48 14 05.0	7.54	H	224.757 462 49	−48.234 733 50	4.48	0.24	−11.41	0.60	0.63	0.93	0.75	0.95	−25	− 9	−23	+ 8	+ 1	−36	− 7	+11	+25	−49	0	−1.67
73325	14 59 02.70	+15 36 49.8	10.53	H	224.761 245 44	+15.613 835 43	9.48	−64.73	2.07	1.48	1.41	2.01	1.66	1.82	+ 1	−32	−27	−19	−32	+24	−35	−10	+27	−15	0	1.08
73326	14 59 02.80	+15 04 44.9	8.01	H	224.761 673 03	+15.079 128 58	4.57	17.90	− 5.80	0.88	0.73	1.00	0.96	0.90	+ 1	−24	−13	−15	−37	+ 6	−40	− 1	+13	−13	2	0.15
73327	14 59 03.26	+67 44 57.5	9.77	G	224.763 596 78	+67.749 305 76	8.04	−144.64	202.53	0.79	0.85	0.89	0.84	1.00	− 2	−11	−19	− 8	−11	− 4	−12	+ 5	− 3	−14	0	1.69
73328	14 59 03.33	−42 34 19.2	8.16	H	224.763 860 22	−42.572 000 71	2.37	− 8.71	−20.97	0.98	0.64	1.11	1.70	1.09	−24	− 7	+11	−32	− 3	−13	−21	− 6	−13	+53	0	1.45
73329	14 59 05.34	−47 57 27.2	7.30	H	224.772 262 58	−47.957 566 39	3.73	−22.86	−15.30	0.64	0.65	0.95	0.70	0.87	−17	−27	−24	+10	+ 1	−29	− 8	+12	+17	−44	0	−0.88
73330	14 59 05.99	+73 25 32.6	8.55	H	224.774 970 55	+73.425 721 56	19.01	−85.51	63.78	0.63	0.71	0.74	0.69	0.80	+15	−15	−24	+ 8	− 8	+17	− 3	+21	−12	+ 6	0	−1.23
73331	14 59 06.50	−32 32 22.0	9.07	H	224.777 062 67	−32.539 446 04	5.30	28.75	− 2.67	1.26	0.92	1.44	1.34	1.02	− 7	−39	− 9	+13	+ 4	+ 0	+ 1	+ 5	+13	+12	0	−1.32
73332	14 59 07.96	−47 56 58.9	9.70	H	224.783 171 65	−47.949 706 75	1.57	−20.20	− 1.58	1.45	1.37	2.01	1.61	1.97	−11	−17	−27	+10	+ 2	−20	− 5	+ 8	+21	−38	0	0.72
73333	14 59 09.44	−41 05 03.3	8.34	H	224.789 314 71	−41.084 244 35	1.93	−22.42	0.36	1.06	1.04	1.34	1.05	1.20	−18	−27	−30	− 1	+13	−16	+12	− 2	− 8	−35	0	1.32
73334 H	14 59 09.70	−42 06 14.9	3.13	G	224.790 412 54	−42.104 141 99 *	6.05	−17.76	−21.33	0.60	0.46	0.73	0.56	0.61	−36	−21	+13	−18	−10	−26	−13	+ 5	−21	−12	0	0.85
73335	14 59 09.89	−33 49 29.0	9.16	H	224.791 189 87	−33.824 732 09	−1.34	− 2.87	− 8.16	1.40	0.91	1.62	1.17	1.04	− 4	−53	−15	−16	− 3	+14	+ 4	+ 0	− 9	−13	5	0.01
73336	14 59 10.63	−48 49 33.8	7.21	H	224.794 277 88	−48.826 063 95	9.41	−16.15	−61.85	0.63	0.60	0.88	0.76	0.86	−22	− 7	−25	− 5	+ 9	−32	+ 3	+ 7	+10	−40	2	−0.46
73337	14 59 11.52	−53 29 24.7	8.32	H	224.798 006 98	−53.490 192 58	3.85	−11.26	− 1.74	0.79	0.73	1.13	0.93	0.92	− 1	−26	−16	+17	+32	−19	+23	−25	+22	−10	0	−0.74
73338	14 59 12.63	−01 48 27.0	8.71	H	224.802 620 35	−01.807 503 27	3.88	12.67	−19.83	1.33	1.08	1.73	1.20	1.11	+ 6	−55	−48	+ 9	−26	+19	− 6	+26	−19	−32	3	0.15
73339 H	14 59 13.12	−26 08 06.7	10.35	G	224.804 653 77	−26.135 198 74 *	4.75	−24.68	−13.40	5.37	3.24	2.32	4.93	2.50	+ 5	− 1	− 6	− 7	−23	+ 9	−15	−18	+ 6	+63	0	−0.46
73340	14 59 13.84	−09 56 43.4	9.46	H	224.807 646 53	−09.945 400 73	1.75	−21.13	−17.08	1.29	0.92	1.57	1.54	1.07	−46	− 4	−22	+20	− 4	+39	−13	−42	+ 4	−32	2	2.59
73341	14 59 13.94	−37 52 52.3	6.45	G	224.808 079 05	−37.881 182 75	5.21	−18.36	−21.27	0.68	0.71	1.01	0.74	0.76	−12	− 8	−52	+ 0	+10	−16	+ 0	−13	+21	−17	0	0.73
73342	14 59 14.12	−50 33 40.4	9.60	H	224.808 848 88	−50.561 217 14	1.99	−27.49	−36.69	1.16	1.35	1.53	1.71	2.16	−45	− 9	−13	+22	+ 2	−13	− 1	+13	+24	−52	0	0.14
73343	14 59 15.43	−60 40 09.9	8.20	H	224.814 276 89	−60.669 419 98	3.41	−27.75	−30.29	0.85	0.71	1.29	0.99	1.27	+21	−38	−16	+ 1	+12	−30	− 3	−24	+28	−13	3	0.78
73344	14 59 16.68	+61 05 38.8	8.30	H	224.819 484 09	+61.094 123 46	3.64	16.98	−33.34	0.63	0.70	0.72	0.76	0.94	+12	−23	−11	−12	−16	+ 8	−20	−29	+ 1	− 8	0	−0.97
73345	14 59 19.31	−51 34 34.0	6.78	H	224.830 443 50	−51.576 103 79	2.73	−12.02	−10.77	0.56	0.72	0.86	0.60	0.84	−31	−31	−29	+15	+ 0	−32	−13	+21	+23	−57	0	1.27
73346 H	14 59 20.35	+46 49 03.5	9.11	2 G	224.834 775 82	+46.817 636 92 *	5.85	−30.79	13.81	2.38	2.31	1.40	1.39	1.28	+26	− 7	− 1	+ 7	+11	−14	+14	+19	−23	+23	2	2.33
73347	14 59 21.92	−62 30 32.0	8.18	H	224.841 335 56	−62.508 883 92	3.40	− 9.73	− 6.97	0.65	0.66	1.08	0.75	0.81	+21	−12	+ 3	+73	+20	−15	+26	+50	− 4	+37	2	1.35
73348	14 59 22.74	−69 42 26.0	7.99	H	224.844 741 46	−69.707 215 69	4.48	−11.06	−12.92	0.49	0.65	0.86	0.56	0.71	+26	−11	− 6	+ 9	+13	−10	+11	+26	+ 5	+30	0	0.08
73349	14 59 22.89	−10 34 40.1	9.39	H	224.845 363 93	−10.577 815 99	0.24	7.98	− 2.29	1.47	1.00	1.71	1.81	1.12	−37	− 8	−16	+18	−25	+32	−12	−16	− 8	−22	0	1.26
73350	14 59 23.11	+04 34 04.0	5.91	H	224.846 311 29	+04.567 772 77	4.50	1.17	− 4.75	0.87	0.77	0.93	1.06	0.94	− 3	−24	−15	+33	− 2	− 7	− 2	+37	− 6	+ 2	3	−0.95
73351	14 59 23.82	+41 50 01.3	8.91	H	224.849 267 45	+41.833 684 07	5.60	5.86	−43.60	0.68	0.77	0.95	0.79	0.95	+20	+11	− 6	+ 2	− 7	+ 1	− 6	+ 3	+ 9	+10	0	2.45
73352	14 59 24.59	+55 10 17.7	10.15	H	224.852 445 03	+55.171 586 63	9.47	−188.40	87.34	0.85	0.86	1.04	0.92	0.90	+ 2	−13	−10	−18	−14	+17	− 7	− 7	−19	−31	0	−1.90
73353	14 59 24.98	+39 38 41.3	6.70	H	224.854 074 37	+39.644 817 41	16.77	− 4.56	31.29	0.44	0.47	0.59	0.48	0.53	+21	+ 1	− 1	−12	−18	− 9	−19	−13	+ 3	+13	0	−0.14
73354	14 59 27.20	−43 09 35.3	6.10	G	224.863 341 80	−43.159 812 15	1.81	− 9.78	− 8.49	0.57	0.44	0.79	0.78	0.62	−43	−14	+ 9	+ 1	− 1	−32	− 3	+ 9	−21	+21	0	0.38
73355	14 59 27.99	+20 22 16.1	8.56	H	224.866 614 53	+20.371 131 16	4.14	15.46	− 9.91	0.72	0.82	1.26	1.05	1.14	−13	−16	−42	+ 4	+17	−25	+ 0	−20	+14	−54	0	−0.69
73356	14 59 29.18	−10 35 15.9	10.35	H	224.871 596 86	−10.587 737 90	8.73	22.31	−122.55	2.08	1.43	2.44	2.64	1.57	−35	− 7	−19	+13	−25	+33	− 9	−22	−10	−18	0	−0.45
73357 H	14 59 29.24	−30 42 41.2	6.91	H	224.871 849 64	−30.711 442 10 A	9.64	−17.93	−37.11	1.88	1.34	1.94	1.83	1.39	−37	−29	−19	+ 6	+ 2	+15	+ 2	+ 1	+ 7	+14	2	0.08
73358	14 59 30.07	−03 08 27.1	8.31	G	224.875 275 43	−03.140 867 89	11.95	−21.86	−29.97	1.22	1.00	1.17	1.45	1.14	−51	−19	−23	+57	−55	+24	−47	+60	−15	−57	0	0.89
73359	14 59 30.11	+01 07 22.9	9.75	H	224.875 438 70	+01.123 025 88	0.43	− 1.86	− 1.56	1.56	1.38	1.85	1.56	1.56	−17	−43	−21	+20	+11	+10	+24	+ 0	−19	−19	0	−1.47
73360	14 59 30.62	+45 26 52.0	10.62	H	224.877 584 64	+45.447 781 08	29.29	−34.22	102.78	1.23	1.24	1.52	1.52	1.47	+22	− 1	− 5	−14	−12	+ 1	−11	− 6	− 8	+16	1	2.62
73361	14 59 31.38	−50 03 12.2	8.97	H	224.880 754 51	−50.053 399 22	3.15	3.79	−14.71	0.94	0.89	1.18	1.12	1.28	−28	− 9	− 9	+ 9	+20	− 5	+22	− 4	+18	−30	0	1.56
73362	14 59 31.96	−44 05 38.7	10.17	G	224.883 168 55	−44.094 072 01	39.27	−266.42	−280.59	1.10	0.97	1.50	1.40	1.25	−41	− 8	+ 2	+33	+ 8	+ 5	+17	+12	+10	+ 6	0	0.48
73363	14 59 32.37	+58 17 58.6	8.62	H	224.884 878 60	+58.299 610 56	3.06	−29.80	17.12	0.61	0.65	0.70	0.70	0.78	+ 8	− 5	−11	−16	− 5	− 5	− 2	+31	−16	+ 1	0	0.97
73364	14 59 32.76	+29 52 03.3	8.37	H	224.886 506 32	+29.867 572 40	0.21	6.58	− 4.75	0.81	0.78	1.17	0.97	1.08	−10	+ 3	−15	−47	+10	− 9	+15	−24	− 1	−36	0	1.73
73365	14 59 32.95	+45 27 50.2	8.64	H	224.887 300 89	+45.463 932 40	30.48	−33.16	98.48	0.71	0.71	0.88	0.89	0.85	+19	+ 4	− 2	− 9	− 9	− 1	− 8	− 2	−11	+11	0	1.86
*73366	14 59 34.56	+53 51 36.7	6.84	H	224.893 986 54	+53.860 204 61	8.51	21.24	1.37	0.58	0.53	0.61	0.91	0.74	− 1	−24	− 7	−23	− 1	+16	+ 2	− 8	−18	−46	0	0.42
*73367	14 59 34.07	−41 10 18.6	9.38	H	224.891 972 97	−41.171 828 93	3.96	−30.67	−16.30	1.23	1.19	1.60	1.27	1.47	−14	−12	−39	− 9	+10	− 8	+ 9	− 6	−11	−30	0	0.45
*73368	14 59 33.12	+53 52 15.0	7.64	G	224.887 993 06	+53.870 828 26	9.40	21.19	− 2.66	0.58	0.58	0.71	0.72	0.65	+ 3	−20	−10	− 7	−17	+ 6	−12	− 2	− 8	−31	0	0.20
73369	14 59 36.97	+39 15 54.8	5.64	H	224.904 045 77	+39.265 231 66	19.83	−31.53	41.85	0.41	0.44	0.57	0.47	0.50	+23	+ 7	+ 1	−12	−15	− 5	−14	−10	+ 8	+ 9	0	−0.67
73370	14 59 38.32	−19 38 25.2	10.10	H	224.909 647 14	−19.640 331 49	24.78	−112.14	−106.40	1.37	0.95	1.60	1.78	1.20	−22	+ 2	−35	+12	−29	+31	−21	+ 6	− 7	−13	0	1.74
73371	14 59 38.98	−56 35 27.2	9.10	H	224.912 425 37	−56.590 891 60	5.23	−10.82	−20.01	0.90	0.76	1.22	1.01	1.00	+14	−39	−25	+22	+21	−10	+24	+10	−13	+ 5	0	0.25
73372	14 59 39.30	−78 30 39.1	8.71	H	224.913 767 12	−78.510 867 60	17.94	−28.15	2.27	0.73	0.72	0.90	0.78	0.79	+28	−15	− 2	+ 1	+ 5	+15	+ 6	+ 7	+12	+25	3	1.58
73373	14 59 39.73	+03 53 28.7	10.16	H	224.915 556 84	+03.891 298 16	3.26	− 9.41	− 9.17	2.49	1.81	2.08	3.85	2.44	+16	+23	− 3	+65	+35	+ 2	+37	+41	− 2	+38	0	2.06
73374	14 59 39.84	−68 57 07.3	8.02	H	224.916 004 33	−68.952 030 77	3.06	− 5.13	− 3.39	0.48	0.69	0.86	0.56	0.78	+16	−12	+ 1	+ 3	+ 3	+ 7	+ 1	+37	− 2	+23	1	−0.59
73375	14 59 40.11	+33 09 32.2	9.94	H	224.917 138 72	+33.158 937 63	0.24	−29.77	11.58	0.72	1.01	1.46	0.81	1.17	+35	−12	− 3	+ 5	+ 0	− 2	+ 0	+ 3	− 6	+39	2	1.29
73376	14 59 40.36	+11 33 57.2	10.39	H	224.918 151 84	+11.565 893 72	8.10	−44.31	3.11	1.30	1.09	1.81	1.42	1.25	−17	−38	− 8	−26	−12	+41	−17	−21	+19	−10	0	0.78
73377	14 59 41.92	+35 06 18.8	12.12	H	224.924 648 22	+35.105 232 67 B	1.92	0.54	−26.29	100.68	113.85	1.74	1.34	1.63	+15	+ 0	− 1	− 1	+ 1	+ 8	− 1	− 3	+12	+20	3	1.47
73378	14 59 42.37	+32 03 51.3	10.06	2 H	224.926 551 89	+32.064 262 01	−1.02	− 2.48	− 1.07	0.78	1.03	1.71	0.96	1.13	+29	− 7	− 7	+32	− 3	−11	− 2	+21	−22	+20	2	1.49
73379	14 59 42.91	−36 53 28.3	7.48	H	224.928 806 39	−36.891 198 17	4.95	−11.14	− 9.56	0.77	0.77	1.00	0.88	0.83	−18	−13	−31	+ 4	+ 9	− 1	+11	−17	+12	− 2	0	1.05
73380	14 59 43.52	+35 06 03.3	7.75	H	224.931 338 40	+35.100 923 65 A	1.92	0.54	−26.29	1.37	1.60	1.74	1.34	1.63	+25	−20	−28	−12	− 1	+ 8	− 1	− 4	+12	+20	3	1.47
*73381	14 59 44.00	−53 24 28.1	9.00	2 H	224.933 335 16	−53.407 802 35	0.52	− 8.80	− 3.85	0.89	0.80	1.33	0.99	1.05	− 1	−31	−22	− 2	+31	−20	+26	−33	+ 8	−16	0	−0.40
*73382	14 59 43.91	+49 50 35.1	8.77	H	224.932 975 76	+49.843 093 25	8.99	−96.97	51.70	0.70	0.69	0.85	0.84	0.78	+13	+ 7	−17	−10	−15	+12	−14	−10	− 9	+ 7	0	2.98
73383	14 59 45.19	−43 48 39.7	6.59	H	224.938 306 58	−43.811 021 78	26.81	−194.25	−129.13	0.53	0.48	0.72	0.63	0.59	−43	−18	+ 6	+25	− 1	−11	+ 1	+22	+ 1	− 5	0	−0.58
73384	14 59 46.61	−68 39 23.1	9.85	H	224.944 214 37	−68.656 407 04	10.64	−12.69	19.85	2.12	2.63	3.67	2.39	3.13	+25	−13	− 8	−15	+ 5	+ 4	+ 1	+ 5	+ 3	+41	0	
73385	14 59 50.12	−22 00 41.4	8.55	G	224.958 818 46	−22.011 508 69	10.85	−560.48	−499.49	0.95	0.67	1.14	1.12	0.92	−25	−20	−21	− 1	−16	+18	−11	+ 5	−16	−20	0	1.29
73386	14 59 51.11	−27 33 48.4	9.36	H	224.962 965 56	−27.563 432 18	14.69	−48.44	−16.37	3.95	2.87	4.30	4.44	3.69	− 2	− 9	−20	− 9	−15	+ 7	−14	+ 6	−19	− 3	0	
73387	14 59 51.59	−32 38 45.1	8.66	H	224.964 969 43	−32.645 854 42	1.87	5.28	−10.55	1.15	0.84	1.32	1.25	0.97	−12	−31	−14	+ 3	+ 6	− 4	+ 5	− 8	+ 7	+ 1	0	−2.68
73388	14 59 52.42	+27 09 36.6	7.64	H	224.968 407 86	+27.160 170 25	2.56	−38.31	48.33	0.66	0.53	0.88	0.77	0.66	−10	−33	− 5	+ 6	+19	−17	+23	− 1	−20	−35	1	1.48
73389	14 59 52.81	−30 21 27.5	8.68	H	224.970 022 05	−30.357 632 99	3.21	−32.40	24.93	1.26	0.84	1.39	1.39	1.00	+ 7	−35	−31	+ 2	−12	+18	− 9	+ 7	+ 7	+ 0	0	−0.06
73390	14 59 53.26	+08 28 41.9	7.75	G	224.971 929 00	+08.478 297 25	12.76	12.49	20.21	0.91	0.69	0.99	1.00	0.78	−39	−15	+ 7	+30	−22	+14	−20	+ 5	− 4	−29	0	−0.12
73391	14 59 53.49	−54 18 07.5	11.74	H	224.972 863 67	−54.302 084 83	−3.70	−14.03	7.26	4.91	4.61	7.21	6.00	6.12	+11	− 9	+13	+ 6	+ 2	− 6	+ 2	− 7	+ 9	+ 8	0	2.08
73392	14 59 53.63	+49 26 00.9	8.30	H	224.973 464 93	+49.433 574 49	2.93	2.20	− 9.82	0.67	0.68	0.84	0.80	0.82	+ 2	+ 7	−15	+13	−14	+21	−12	+16	−12	−10	0	−0.31
73393	14 59 54.66	−46 14 52.4	7.16	G	224.977 733 35	−46.247 878 84	6.64	−20.94	−23.10	0.56	0.55	0.78	0.61	0.66	−26	−24	−17	+ 6	+ 2	−17	− 4	+15	+11	+29	2	0.08
73394	14 59 55.77	−75 01 57.4	6.20	H	224.982 384 40	−75.032 619 64	6.16	− 5.57	−20.32	0.43	0.46	0.59	0.51	0.55	+ 7	− 8	+ 3	− 6	+13	− 5	+11	+26	− 2	+14	1	−0.87
73395	14 59 57.65	+14 50 00.1	7.20	H	224.990 191 95	+14.833 350 89	5.92	− 1.34	− 8.16	0.79	0.65	0.91	0.88	0.80	− 6	−19	−16	−13	−36	− 2	−38	+ 7	+17	−27	0	−1.30
73396	14 59 58.62	−58 19 01.6	8.71	H	224.994 230 75	−58.317 103 37	2.26	− 5.89	− 6.73	0.76	0.78	1.10	1.07	0.93	+ 3	−19	+ 3	+11	+23	− 8	+16	+17	+10	+24	0	0.85
73397	14 59 59.55	+12 01 26.2	8.89	H	224.998 125 70	+12.023 936 50	5.07	−32.79	4.71	1.00	0.89	1.32	1.00	1.01	−18	−22	−13	−13	−16	+12	−21	−18	+24	−23	0	1.34
73398	15 00 00.35	−36 01 49.7	6.94	H	225.001 463 57	−36.030 476 38	9.55	10.52	−37.30	0.86	0.64	1.10	0.76	0.79	+ 9	−53	−36	− 3	− 1	−15	−22	−10	+29	−23	0	0.70
73399	15 00 00.82	+14 21

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
73301	7.548	0.008	7.182	0.007		0.380	0.004	G	0.44	0.00	H	7.2321	0.0013	0.010	84		7.21	7.26					1							S
73302	9.767	0.015	8.860	0.012		0.790	0.015	T	0.82	0.01	L	8.9388	0.0017	0.019	148		8.90	8.97		C			1							
73303	8.656	0.010	7.445	0.006		1.035	0.020	G	1.01	0.02	H	7.4933	0.0012	0.012	107		7.47	7.51					1							S
73304	9.959	0.017	8.745	0.011		1.038	0.016	T	1.01	0.01	L	8.8111	0.0016	0.019	183		8.78	8.85		C			1							S
73305	10.871	0.059	9.514	0.031		1.150	0.052	T	1.11	0.05	L	9.5156	0.0027	0.022	69		9.48	9.55					1							
73306	9.723	0.026	8.692	0.018		0.897	0.024	T	0.90	0.02	L	8.7450	0.0028	0.014	50		8.72	8.76					1							
73307	8.718	0.012	8.423	0.013		0.302	0.015	G	0.35	0.02	H	8.4673	0.0023	0.019	96		8.44	8.49		C			1							S
73308	10.283	0.039	8.752	0.020		1.289	0.036	T	1.25	0.04	L	8.7412	0.0020	0.014	62		8.72	8.78		C			1							
73309	6.685	0.008	6.145	0.005		0.509	0.003	G	0.58	0.00	H	6.1960	0.0013	0.010	56		6.18	6.22		C	14589−0459	I 1	1							S
73310	7.516	0.007	6.001	0.005		1.274	0.007	T	1.23	0.01	L	6.0350	0.0007	0.006	65		6.02	6.04		C	14589−1108	I 1	1	S						S
73311	9.500	0.017	8.919	0.016		0.543	0.021	T	0.62	0.02	L	8.9957	0.0019	0.018	115		8.96	9.03		C			1							S
73312	10.123	0.035	9.698	0.037		0.412	0.020	G	0.48	0.02	H	9.7715	0.0025	0.020	66		9.74	9.80		C			1							
73313	10.049	0.022	9.002	0.016		0.909	0.020	T	0.91	0.01	L	9.0576	0.0018	0.017	111		9.03	9.09		C			1							S
73314	9.518	0.032	8.548	0.023		0.834	0.003	G	0.88	0.00	H	8.5980	0.0027	0.012	41		8.58	8.62		C			1	S						
73315	10.158	0.038	9.861	0.044		0.282	0.055	T	0.32	0.07	L	9.9264	0.0418	0.204	54		9.62	10.13	0.09	P 1 A			1							P
73316	9.105	0.015	8.542	0.014		0.527	0.018	T	0.60	0.02	L	8.6027	0.0022	0.014	102		8.58	8.63		C			1							S
73317	9.345	0.027	8.186	0.018		0.995	0.025	T	0.97	0.02	L	8.2466	0.0015	0.012	49		8.23	8.27		C			1							S
73318	8.738	0.012	8.500	0.013		0.204	0.020	G	0.25	0.02	A	8.5416	0.0019	0.014	101		8.51	8.57					1							
73319	10.823	0.054	8.891	0.019		1.638	0.047	T	2.03	0.12	O	8.7701	0.0022	0.017	67		8.74	8.80		C			1							
73320	10.101	0.042	9.288	0.034	*	0.734	0.041	T	0.78	0.03	L *	9.3111	0.0048	0.017	49	*	9.29	9.34		D	14590+0059	I 1	2 C	B	AB	312	0.263	0.014	0.40	0.24	
73321	8.595	0.012	7.888	0.010		0.651	0.013	T	0.71	0.01	L	7.9615	0.0011	0.014	73		7.93	8.00		C			1							S
73322	10.217	0.023	10.075	0.031		0.137	0.036	T	0.15	0.04	L	10.0751	0.0024	0.032	222		10.02	10.13					1							G
73323	10.174	0.029	8.921	0.017		1.068	0.026	T	1.03	0.02	L	8.9383	0.0021	0.020	100		8.91	8.99		C			1							
73324	7.770	0.009	7.550	0.008		0.204	0.012	T	0.22	0.01	L	7.6032	0.0011	0.009	85		7.59	7.62		C			1							S
73325	11.295	0.081	10.710	0.077		0.548	0.083	T	0.62	0.08	L	10.6433	0.0034	0.037	81		10.57	10.71		C			1	S						G
73326	9.297	0.019	8.124	0.012		1.006	0.018	T	0.98	0.01	L	8.1727	0.0020	0.013	80		8.15	8.19					1							S
73327	10.507	0.035	9.792	0.028		0.580	0.015	G	0.65	0.01	H	9.9085	0.0021	0.021	118		9.86	9.94					1							
73328	9.481	0.021	8.263	0.013		1.041	0.019	T	1.01	0.02	L	8.3254	0.0017	0.017	109		8.30	8.36					1							
73329	8.600	0.012	7.407	0.008		1.022	0.011	T	1.00	0.01	L	7.4634	0.0015	0.010	91		7.44	7.48		C	14591−4757	I 2	1							S
73330	9.324	0.015	8.595	0.013		0.669	0.016	T	0.73	0.01	L	8.6922	0.0014	0.017	112		8.66	8.72					1							S
73331	9.661	0.024	9.135	0.023		0.502	0.025	T	0.57	0.03	L	9.1799	0.0025	0.016	58		9.16	9.21		C	14591−3232	I 1	1							
73332	11.231	0.079	9.759	0.036		1.240	0.068	T	1.20	0.07	L	9.8700	0.0041	0.035	87		9.81	9.93			14591−4757	I 2	1	S						G
73333	10.055	0.030	8.477	0.015		1.323	0.026	T	1.28	0.03	L	8.4892	0.0024	0.017	67		8.46	8.54					1							
73334	2.894	0.003	3.097	0.002	*	−0.208	0.010	G	−0.21	0.02	A *	3.0671	0.0007	0.005	90	*	3.06	3.08		D	14592−4206	I 1	2 C	S A	AC	155	0.125	0.010	1.38	0.30	S
73335	10.672	0.045	9.304	0.024		1.158	0.040	T	1.12	0.04	L	9.3298	0.0022	0.018	62		9.30	9.36		C			1							
73336	7.861	0.007	7.266	0.007		0.555	0.007	T	0.63	0.01	L	7.3284	0.0010	0.010	91		7.31	7.35		C			1							S
73337	9.891	0.021	8.467	0.011		1.202	0.019	T	1.16	0.02	L	8.4890	0.0022	0.018	118		8.46	8.52					1							
73338	10.011	0.038	8.807	0.023		1.030	0.035	T	1.00	0.03	L	8.8781	0.0031	0.014	45		8.85	8.90					1							
73339	11.066	0.069	10.539	0.069	*	0.570	0.020	G	0.64	0.02	H *	10.4549	0.0028	0.025	75	*	10.39	10.49		C	14592−2608	H 1	2 C	B	AB	19	0.276	0.037	2.07	0.32	G
73340	10.942	0.059	9.550	0.030		1.177	0.052	T	1.14	0.05	L	9.6291	0.0025	0.014	71		9.60	9.66		C			1							
73341	6.354	0.006	6.448	0.008		−0.080	0.004	G	−0.06	0.01	H	6.4385	0.0007	0.007	51		6.42	6.45		C			1							S
73342	10.340	0.040	9.689	0.035		0.604	0.045	T	0.67	0.04	L	9.7329	0.0028	0.021	70		9.70	9.77		C			1							G
73343	9.492	0.017	8.307	0.011		1.015	0.016	T	0.99	0.01	L	8.3698	0.0018	0.018	126		8.33	8.40					1							
73344	9.653	0.019	8.422	0.012		1.051	0.018	T	1.02	0.01	L	8.4692	0.0017	0.016	107		8.45	8.51					1							
73345	6.720	0.006	6.780	0.006		−0.051	0.007	T	−0.03	0.01	L	6.7702	0.0010	0.008	83		6.75	6.78					1							S
73346	9.843	0.021	9.149	0.018	*	0.600	0.015	G	0.67	0.01	H *	9.2050	0.0069	0.101	133	*	9.14	9.44	0.65	P 1 A	14593+4649	M 1	2 C	A	AB	213	0.216	0.017	0.86	0.33	
73347	8.519	0.009	8.209	0.010		0.294	0.013	T	0.34	0.02	L	8.2496	0.0011	0.015	221		8.21	8.28					1							
73348	8.383	0.007	8.036	0.007		0.329	0.009	T	0.38	0.01	L	8.0737	0.0013	0.015	162		8.05	8.10		C			1							S
73349	10.721	0.054	9.563	0.034		0.994	0.050	T	0.97	0.04	L	9.5527	0.0027	0.019	60		9.53	9.58		C			1							
73350	8.014	0.018	6.110	0.007		1.615	0.016	T	2.01	0.04	O	5.9915	0.0021	0.011	35		5.97	6.01					1							S
73351	9.400	0.014	8.932	0.014		0.441	0.018	T	0.51	0.02	L	9.0118	0.0016	0.020	136		8.98	9.05					1							
73352	11.124	0.062	10.216	0.043		0.791	0.058	T	0.83	0.06	L	10.2887	0.0030	0.033	115		10.24	10.34					1							
73353	7.161	0.004	6.734	0.004		0.403	0.005	T	0.47	0.01	L	6.7886	0.0010	0.009	167		6.77	6.81		C			1							S
73354	6.823	0.004	6.172	0.003		0.597	0.003	G	0.67	0.02	A	6.2262	0.0006	0.007	136		6.21	6.24					1							S
73355	10.212	0.025	8.701	0.013		1.271	0.022	T	1.23	0.02	L	8.7171	0.0016	0.017	127		8.69	8.75		C			1							
73356	11.132	0.081	10.282	0.061		0.762	0.076	T	0.80	0.05	L	10.4975	0.0067	0.035	64		10.43	10.56					1							G
73357	7.189	0.009	6.905	0.009	*	0.231	0.004	G	0.26	0.01	H *	6.9763	0.0012	0.009	52	*	6.97	7.00		D	14595−3043	I 1	2 C	A	AB	337	8.433	0.028	2.35	0.07	S
73358	8.940	0.021	8.333	0.019		0.571	0.015	G	0.64	0.01	H	8.4242	0.0015	0.012	48		8.40	8.44		C			1							S
73359	11.472	0.140	9.930	0.053		1.295	0.118	T	1.25	0.12	L	9.9035	0.0019	0.019	47		9.86	9.96		D			1							
73360	12.243	0.174	10.661	0.062		1.585	0.082	G	2.57	0.19	I	10.6240	0.0039	0.034	131		10.57	10.69		C			1							G
73361	10.672	0.047	9.120	0.023		1.303	0.041	T	1.26	0.04	L	9.1297	0.0027	0.023	87		9.09	9.16		C			1							
73362	11.714	0.099	10.267	0.043		1.318	0.004	G	1.53	0.02	A	10.2725	0.0024	0.028	142		10.22	10.32		C			1							G
73363	10.103	0.022	8.744	0.013		1.151	0.020	T	1.11	0.02	L	8.7918	0.0014	0.017	135		8.76	8.82					1							
73364	10.070	0.020	8.515	0.011		1.305	0.018	T	1.27	0.02	L	8.5210	0.0020	0.021	138		8.49	8.56					1							
73365	9.744	0.019	8.701	0.014		0.896	0.018	T	0.90	0.01	L	8.7853	0.0014	0.017	127		8.76	8.81		C			1							
73366	7.189	0.008	6.860	0.007		0.312	0.010	T	0.36	0.01	L	6.9166	0.0009	0.009	104		6.90	6.93		C	14596+5352	I 2	1 G							S
73367	11.070	0.067	9.476	0.029		1.341	0.061	T	1.31	0.07	L	9.5065	0.0029	0.023	64		9.46	9.54		D			1	S						
73368	7.970	0.010	7.654	0.008		0.300	0.015	G	0.34	0.02	H	7.7129	0.0017	0.014	103		7.70	7.74			14596+5352	I 2	1							S
73369	6.031	0.003	5.677	0.003		0.336	0.004	T	0.39	0.01	L	5.7211	0.0007	0.007	154		5.71	5.73					1							S
73370	11.449	0.092	10.180	0.048		1.080	0.015	G	1.15	0.02	I	10.2382	0.0039	0.023	70		10.19	10.28					1							G
73371	9.461	0.018	9.107	0.019		0.344	0.023	T	0.40	0.03	L	9.1814	0.0019	0.019	103		9.15	9.22					1							
73372	9.542	0.015	8.806	0.012		0.660	0.015	T	0.72	0.01	L	8.8447	0.0023	0.023	172		8.81	8.89			14596−7831	I 1	1 G							
73373	10.828	0.088	10.292	0.085		0.560	0.072	G	0.63	0.07	R	10.2778	0.0056	0.026	36		10.21	10.32					1							
73374	7.955	0.006	7.998	0.007		−0.035	0.008	T	−0.01	0.01	L	8.0169	0.0016	0.020	172		7.98	8.05					1							S
73375	11.379	0.047	10.067	0.023		1.114	0.041	T	1.08	0.04	L	10.1106	0.0025	0.037	258		10.04	10.16					1							
73376	11.045	0.053	10.442	0.051		0.562	0.065	T	0.64	0.06	L	10.5075	0.0040	0.028	90		10.46	10.55		C			1							
73377	12.839	0.353	11.565	0.174	B						T	11.9095	0.5005			B				D	14597+3506	I 2	1 C F C							
73378	12.284	0.107	10.261	0.027		1.713	0.091	T	1.71	0.17	K	10.1672	0.0039	0.052	249		10.09	10.25		U 2			1							
73379	9.067	0.017	7.613	0.010		1.226	0.015	T	1.18	0.01	L	7.6457	0.0020	0.012	62		7.63	7.66		C			1							S
73380	8.984	0.010	7.862	0.007	A	0.966	0.009	T	0.95	0.01	L	7.9171	0.0172	0.014	185	A	7.89	7.94		D	14597+3506	I 2	1 C P C							S
73381	12.627	0.255	9.366	0.020		2.150	0.015	G	2.14	0.01	J	9.0689	0.0063	0.044	104		8.99	9.13		U 2	14597−5325	I 1	1							
73382	9.917	0.021	8.889	0.015		0.895	0.019	T	0.90	0.01	L	8.9279	0.0017	0.018	113		8.89	8.97					1							S
73383	7.139	0.004	6.635	0.004		0.480	0.011	G	0.54	0.02	A	6.6891	0.0007	0.008	158		6.68	6.70		C			1							S
73384	10.630	0.029	9.941	0.026		0.624	0.029	T	0.69	0.03	L	9.9791	0.0025	0.036	183		9.91	10.06					1 X	S						G
73385	9.181	0.017	8.645	0.016		0.510	0.017	T	0.58	0.02	L	8.6677	0.0016	0.011	75		8.65	8.68		C	14598−2201	I 1	1							
73386	10.176	0.039	9.408	0.033		0.684	0.039	T	0.74	0.03	L	9.4924	0.0036	0.021	60		9.46	9.54		C			1 X							
73387	10.844	0.071	8.859	0.021		1.682	0.061	T	2.02	0.13	O	8.7417	0.0035	0.020	57		8.72	8.78					1							
73388	8.939	0.013	7.739	0.008		1.006	0.002	G	0.98	0.00	H	7.8014	0.0011	0.010	119		7.78	7.82		C			1							S
73389	10.187	0.031	8.820	0.018		1.158	0.028	T	1.12	0.03	L	8.8479	0.0015	0.010	54		8.84	8.87					1							
73390	8.229	0.012	7.810	0.013		0.435	0.015	G	0.50	0.02	H	7.8450	0.0017	0.010	78		7.83	7.86		C			1							S
73391											T	11.7856	0.0138	0.106	104		11.56	11.99			14599−5418	I 1	1	S						D G
73392	9.587	0.017	8.416	0.011		1.004	0.016	T	0.98	0.01	L	8.4638	0.0016	0.018	113		8.43	8.49					1							S
73393	7.141	0.006	7.148	0.007		−0.017	0.001	G	0.01	0.00	H	7.1696	0.0009	0.008	92		7.16	7.19					1							S
73394	6.137	0.003	6.182	0.003		−0.038	0.004	T	−0.02	0.00	L	6.1909	0.0007	0.008	146		6.18	6.21			15000−7502	I 1	1	S						S
73395	8.714	0.014	7.336	0.009		1.166	0.013	T	1.13	0.01	L	7.3702	0.0008	0.009	75		7.35	7.39		C			1							S
73396	8.880	0.015	8.740	0.018		0.135	0.022	T	0.15	0.02	L	8.7591	0.0017	0.019	95		8.72	8.80					1							
73397	9.370	0.019	8.938	0.019		0.408	0.025	T	0.47	0.03	L	8.9830	0.0016	0.015	80		8.95	9.01		C			1							S
73398	8.270	0.013	7.079	0.008		1.020	0.012	T	0.99	0.01	L	7.1090	0.0009	0.007	55		7.10	7.12		C			1							S
73399	10.719	0.051	10.122	0.047		0.557	0.061	T	0.63	0.06	L	10.1951	0.0036	0.024	77		10.14	10.24					1							
73400	9.940	0.023	9.470	0.023		0.456	0.025	T	0.53	0.03	L	9.4984	0.0020	0.016	89		9.47	9.52		C			1	S						

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)												Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ $\alpha*$	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$		F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr														%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
73401	15 00 02.18	−01 52 20.2	8.96	H	225.009 097 57	−01.872 271 93		6.21	30.86	−8.11	1.23	1.12	1.67	1.28	1.15	+ 0	−42	−50	+ 5	−18	+20	− 2	+16	−16	−26		3	1.15
73402	15 00 02.54	+17 59 34.8	8.68	H	225.010 593 73	+17.993 011 81		3.67	−62.58	−26.72	1.07	0.76	1.29	1.41	1.11	+21	−38	−21	−29	−32	+16	−27	−11	+ 3	− 8		0	−2.04
73403	15 00 02.69	+65 28 34.6	6.90	H	225.011 215 14	+65.476 268 09		6.14	−1.10	−20.00	0.46	0.50	0.52	0.50	0.60	+15	−11	−20	− 4	−14	− 7	−19	−13	− 1	− 3		0	−0.40
73404	15 00 03.64	+44 35 10.8	6.91	H	225.015 157 37	+44.586 342 45		5.81	−58.73	−1.71	0.55	0.53	0.69	0.67	0.63	+11	−13	− 5	+13	− 4	+14	− 5	+ 1	− 8	− 8		0	−0.91
73405	15 00 03.84	−67 22 17.3	10.27	H	225.015 998 46	−67.371 460 52		3.34	−1.97	−2.89	0.88	1.26	2.01	1.07	1.54	+45	−13	+ 6	− 1	+ 5	−26	+ 9	+ 7	−24	+51		0	−0.24
73406	15 00 04.54	+04 50 10.2	9.43	H	225.018 914 94	+04.836 160 89		6.99	−24.88	−2.48	1.57	1.26	1.73	1.81	1.54	+ 9	−41	−25	+25	+ 0	+ 2	− 2	+31	+ 4	+ 8		0	−1.33
73407	15 00 04.65	−39 47 52.7	7.36	H	225.019 393 20	−39.797 970 40		3.33	0.84	−6.88	0.86	0.83	1.32	1.00	1.09	− 6	−31	−56	+21	+ 8	−16	−13	−15	+40	−48		0	0.96
73408	15 00 06.04	−73 32 07.5	8.13	G	225.025 182 57	−73.535 409 18		17.48	15.73	29.74	0.59	0.64	0.90	0.80	0.81	+25	− 9	− 9	− 9	− 0	−18	− 1	+16	−14	+41		0	−0.90
73409	15 00 06.28	−55 30 29.3	7.68	H	225.026 176 53	−55.508 145 43		4.20	−12.83	−18.64	0.74	0.60	0.97	0.85	0.79	+14	−33	−19	+29	+23	−14	+20	+ 2	+10	+10		0	0.19
73410	15 00 08.18	+67 05 25.7	7.48	H	225.034 090 16	+67.090 472 28		2.71	−14.88	13.81	0.52	0.52	0.58	0.52	0.58	+ 7	−12	−23	−14	− 6	− 7	− 8	− 5	+ 0	− 3		3	1.46
73411 H	15 00 10.00	+21 28 48.8	9.30	H	225.041 653 71	+21.480 215 94	*	5.82	−27.64	−41.02	1.92	1.79	1.62	1.42	1.38	−40	+ 7	−12	+34	+ 0	−12	− 8	+15	+ 6	−48		2	0.28
73412	15 00 10.24	+70 36 50.3	7.67	H	225.042 684 58	+70.613 962 92		9.42	−8.61	69.30	0.52	0.55	0.61	0.57	0.60	− 3	− 4	−37	−18	+ 5	−15	+ 2	+14	− 4	−13		0	1.52
73413	15 00 10.49	+30 58 00.8	10.32	H	225.043 724 56	+30.966 898 72		0.95	−4.77	18.07	1.14	1.17	1.79	1.22	1.33	− 7	− 9	−18	−26	− 1	+15	+ 6	−10	− 1	−39		0	−0.45
73414	15 00 11.29	+22 40 10.8	9.60	H	225.047 026 72	+22.669 672 68		1.25	−1.98	−11.45	0.89	1.07	1.48	1.04	1.40	−29	−13	−24	+46	− 9	−18	−17	+31	− 2	−65		4	1.26
73415	15 00 11.34	−77 09 37.9	5.92	G	225.047 241 66	−77.160 525 23		3.72	−13.33	−10.26	0.40	0.45	0.55	0.46	0.54	+ 9	−12	+16	+ 1	+19	+ 0	+16	+25	+14	+20		0	1.60
73416	15 00 13.36	−14 43 42.6	9.04	H	225.055 684 41	−14.728 511 89		1.92	−19.64	−9.01	1.34	0.83	1.67	1.54	1.14	−11	−35	−35	+39	+ 3	−20	−23	−20	+47	−40		0	1.10
*73417	15 00 14.59	+62 55 01.3	8.31	H	225.060 809 53	+62.917 033 55		2.33	6.02	13.87	0.67	0.72	0.76	0.80	0.97	+ 3	− 6	− 8	− 7	−11	+ 1	−12	− 7	+ 8	−25		0	−1.81
*73418	15 00 14.58	+11 01 35.9	10.00	G	225.060 759 25	+11.026 649 36		18.44	−394.73	70.49	1.17	1.02	1.61	1.22	1.20	−31	−26	− 6	−17	− 1	+28	− 7	−21	+25	−27		0	0.37
73419	15 00 15.64	+00 32 14.0	8.22	H	225.065 157 08	+00.537 224 76		4.84	−24.76	−5.20	1.00	0.92	1.28	1.08	0.97	−17	−34	−37	+ 6	−15	+22	+ 2	+21	−26	−28		0	−0.26
73420	15 00 16.26	−58 18 22.7	7.61	1 H	225.067 769 23	−58.306 303 17		2.89	−18.25	−6.26	0.70	0.66	0.95	1.01	0.81	+19	−16	−12	+20	+28	− 8	+22	+15	+11	+32		0	0.87
73421	15 00 17.20	−78 50 45.8	9.88	H	225.071 661 57	−78.846 052 13		2.51	−2.90	−8.72	0.93	0.89	1.16	1.03	1.03	+28	−16	− 6	+ 6	+ 4	+ 2	+ 3	+ 4	+12	+39		2	1.79
73422	15 00 17.66	+38 50 29.9	8.56	H	225.073 571 16	+38.841 626 77		2.61	4.51	−1.32	0.69	0.74	0.99	0.86	0.95	+24	+ 9	− 6	+12	+ 0	− 7	+ 2	− 1	+18	+29		0	0.35
73423	15 00 17.71	−45 46 45.8	8.27	H	225.073 782 39	−45.779 394 68		1.51	−13.35	−17.17	0.71	0.66	0.95	0.81	0.91	−27	−19	− 8	− 3	− 4	−12	− 5	+13	− 3	−29		2	−0.59
73424	15 00 18.67	+07 38 53.9	6.99	H	225.077 799 56	+07.648 298 55		−0.68	4.17	−6.98	0.98	0.85	1.16	1.08	0.94	+ 5	−48	−31	+21	− 2	−19	− 7	+36	− 1	−12		0	0.82
73425	15 00 18.72	+13 19 16.6	8.60	G	225.077 991 41	+13.321 276 21		4.63	−9.53	23.46	0.87	0.79	1.11	1.02	0.94	−14	− 7	−27	−23	−35	+25	−31	+ 6	+ 8	−22		0	1.02
73426	15 00 19.13	−37 52 14.3	8.59	2 H	225.079 719 25	−37.870 637 81		0.34	0.30	−11.72	1.01	0.97	1.34	1.08	1.04	−15	− 6	−43	+ 2	+23	−22	+19	−26	+18	−11		0	1.27
73427	15 00 19.53	−24 27 14.4	9.92	G	225.081 358 77	−24.454 013 87		33.65	−200.18	−26.99	1.49	0.94	1.59	1.73	1.42	−41	−16	− 2	+26	−23	− 2	−23	+16	− 2	−22		0	−0.59
73428	15 00 19.98	−16 32 27.6	9.84	G	225.083 242 44	−16.540 990 46		20.55	−32.89	−88.92	1.37	0.97	1.69	2.13	1.40	−31	− 2	−29	+12	−13	− 1	−14	−25	+36	−39		0	−1.92
73429	15 00 22.05	−77 56 04.9	8.80	H	225.091 872 72	−77.934 695 31		2.24	−0.15	−7.74	0.69	0.71	0.87	0.72	0.82	+25	−17	+ 3	+16	+15	− 2	+13	+32	+ 7	+30		0	−0.69
73430	15 00 22.12	+18 42 46.4	9.55	H	225.092 176 03	+18.712 898 07		2.84	−27.02	14.26	1.02	1.30	1.59	1.22	1.53	−53	− 5	−14	+30	− 6	−16	−12	+17	+11	−55		0	−1.64
73431	15 00 22.54	+32 31 21.3	8.88	H	225.093 933 39	+32.522 592 13		3.28	−26.32	37.47	0.50	0.65	1.04	0.56	0.72	+26	− 9	−11	+ 6	− 5	− 2	− 4	+ 3	−20	+17		0	1.65
73432	15 00 22.68	−23 57 44.9	10.34	2 G	225.094 506 64	−23.962 472 63		2.35	−17.36	0.88	1.48	0.93	1.68	1.77	1.52	−42	+ 6	−10	+ 6	−10	+12	−11	− 8	− 8	−24		0	1.41
73433	15 00 22.83	−18 37 38.2	7.81	G	225.095 121 70	−18.627 267 33		3.13	65.34	−8.18	0.85	0.61	0.98	0.99	0.75	−31	−13	−26	+30	−14	+21	− 8	+ 1	+ 5	−32		0	0.69
73434	15 00 22.87	+07 44 08.9	7.88	H	225.095 305 34	+07.735 806 24		21.07	−13.07	−129.05	1.00	0.87	1.18	1.13	0.95	+ 6	−42	−31	+15	− 1	−19	− 6	+32	− 1	− 9		0	2.44
73435	15 00 23.16	−09 08 09.0	8.27	H	225.096 479 51	−09.135 833 21		2.57	−5.76	−30.50	1.01	0.81	1.23	1.16	1.01	−51	+ 3	−38	+17	+11	+ 4	+22	−56	+40	−37		2	1.81
73436 H	15 00 23.79	+55 37 05.3	7.15	H	225.099 106 59	+55.618 126 45	A	8.98	48.97	14.95	0.59	0.59	0.63	0.55	0.58	+ 1	− 4	− 7	− 9	−11	+ 2	− 9	− 1	−11	−23		1	−0.72
73437	15 00 24.00	+12 28 33.2	8.72	H	225.100 018 12	+12.475 877 06		7.26	−41.14	26.29	1.00	0.90	1.24	1.02	1.00	−31	−27	−10	− 7	−27	+15	−29	+ 4	+ 8	−38		0	0.82
73438	15 00 26.22	+31 36 53.8	7.57	H	225.109 244 88	+31.614 953 10		13.37	−201.97	93.65	0.44	0.52	0.83	0.50	0.58	+22	+ 4	− 1	+27	− 5	− 2	− 6	+17	−16	+ 9		1	0.18
*73439	15 00 27.78	−73 16 12.4	8.78	H	225.115 749 90	−73.270 115 95		1.49	−5.67	−6.24	0.67	0.75	1.01	0.76	0.94	+18	− 5	−12	− 9	− 5	−26	− 9	+23	−20	+21		1	0.49
*73440	15 00 27.71	+71 45 54.9	6.64	H	225.115 437 79	+71.765 260 79		29.67	−405.35	80.73	0.72	0.69	0.78	0.77	0.76	+ 3	− 7	−23	−17	− 4	− 6	− 3	+ 7	−10	− 7		0	
73441	15 00 29.01	−53 29 21.7	9.05	2 H	225.120 870 42	−53.489 350 46		2.97	−2.06	−6.86	0.94	0.82	1.39	1.13	1.06	+16	−39	−33	+19	+20	−12	+ 9	− 8	+22	+ 9		0	0.30
73442	15 00 30.41	−22 50 57.6	7.66	2 H	225.126 728 02	−22.849 338 83		2.75	−9.37	4.13	0.93	0.58	1.07	1.12	0.85	−22	+ 2	−23	+ 6	−10	+20	− 5	− 4	−11	− 5		0	−0.68
73443	15 00 30.49	+71 26 49.4	9.49	2 H	225.127 033 61	+71.447 063 33		0.41	−6.02	−0.51	0.87	0.91	1.00	0.92	0.97	+13	−17	−30	−16	− 4	−12	− 2	+10	−10	− 8		0	0.65
73444	15 00 31.02	−12 26 56.3	10.26	H	225.129 261 01	−12.448 978 18		3.32	−152.36	−36.70	1.84	1.17	2.04	2.25	1.36	−14	−19	−26	− 1	−34	+21	−28	−11	+ 7	− 1		0	−0.61
73445	15 00 31.73	−11 52 27.6	8.02	2 H	225.132 216 84	−11.874 325 46		0.13	−16.08	3.65	0.96	0.67	1.04	1.25	0.78	−24	− 2	−13	+ 2	−33	+12	−26	− 9	−12	− 4		0	0.69
73446	15 00 31.98	−08 59 41.4	9.85	1 H	225.133 259 55	−08.994 843 73		8.66	−11.64	34.03	1.27	1.06	1.61	1.48	1.26	−46	+ 9	−46	+22	+ 5	+11	+21	−55	+41	−30		0	0.30
73447	15 00 32.28	+09 38 14.4	9.80	H	225.134 510 14	+09.637 343 89		5.14	−24.25	13.33	1.13	0.90	1.45	1.15	1.09	−21	−25	− 8	−19	−28	+32	−37	−22	+16	−20		0	−1.56
73448	15 00 32.62	−36 07 06.8	9.02	H	225.135 905 84	−36.118 562 89		2.30	−11.18	3.44	1.15	0.86	1.32	1.10	1.05	+ 3	−39	−23	− 6	− 8	−11	−15	+ 3	+ 8	− 9		5	1.68
73449	15 00 35.06	+08 36 03.4	7.26	G	225.146 085 25	+08.600 937 93		25.94	−110.29	−318.13	0.86	0.64	0.91	0.93	0.70	−20	−23	+11	+30	− 6	+10	− 3	+ 5	− 7	−10		3	0.69
73450	15 00 35.35	+50 34 40.8	7.85	H	225.147 289 61	+50.577 994 54		6.87	−19.66	7.64	0.56	0.57	0.69	0.65	0.68	+22	−29	−31	−12	−13	+15	− 9	−19	+ 4	+12		1	0.43
73451 H	15 00 35.83	−52 29 33.4	8.90	H	225.149 293 29	−52.492 616 81	*	1.36	−12.28	−11.67	1.31	1.26	1.47	1.05	1.23	− 5	−15	−18	+ 7	+13	−16	+10	− 8	+12	−21		1	−0.32
73452	15 00 37.20	+50 48 19.5	8.77	G	225.154 988 54	+50.805 428 23		7.02	−0.85	−7.53	0.67	0.70	0.86	0.71	0.72	+20	−26	−34	−12	−16	+14	−15	−17	+ 9	− 2		0	1.84
73453	15 00 37.51	−10 40 23.2	9.86	H	225.156 303 02	−10.673 105 72		5.41	−23.62	49.71	1.79	1.22	1.89	2.56	1.44	−17	− 5	−17	−27	−13	− 4	− 7	−41	+ 1	+10		0	1.09
73454	15 00 38.73	+47 16 38.7	6.35	1 H	225.161 356 10	+47.277 403 76		6.84	−8.22	15.49	0.46	0.45	0.56	0.57	0.52	+14	+ 8	+ 3	− 6	− 2	− 8	− 2	+13	−20	+ 8		0	1.15
73455	15 00 39.71	+69 56 27.7	9.82	H	225.165 440 15	+69.941 035 47		4.41	17.36	6.05	0.77	0.86	0.90	0.94	1.02	− 1	+ 2	−31	− 4	+ 0	+ 1	+ 1	+14	− 5	− 8		0	−0.75
73456	15 00 40.84	+06 01 54.0	8.48	H	225.170 168 73	+06.031 673 90		2.59	−12.78	−9.63	1.22	1.52	1.67	1.44	1.66	− 4	−11	−65	+23	−23	+10	−11	+61	−50	−26		7	0.37
73457	15 00 43.42	−11 08 02.3	9.49	G	225.180 927 14	−11.133 961 43		51.26	−19.01	−480.30	1.56	1.08	1.76	2.07	1.25	−24	+ 0	− 9	+ 1	−29	+20	−17	−20	−25	+ 1		0	1.22
73458	15 00 44.90	−59 48 42.0	7.32	G	225.187 072 28	−59.811 675 32		10.24	25.76	−41.06	0.72	0.68	0.95	0.93	0.92	+ 4	−28	+ 8	+21	+20	− 6	+21	+ 9	+ 9	+33		0	1.22
73459	15 00 45.61	−02 57 27.1	9.25	G	225.190 032 75	−02.957 524 28		5.84	−25.07	14.31	1.33	1.00	1.55	1.51	1.05	−20	−25	−25	+34	−26	+34	−11	+28	−22	−27		0	0.36
73460	15 00 45.89	−45 11 43.5	9.03	H	225.191 213 01	−45.195 415 76		8.97	−32.40	−43.75	0.82	0.81	1.08	0.92	1.02	−21	−18	− 6	+24	− 7	− 1	− 7	+34	+ 3	−21		3	0.77
73461	15 00 46.62	+28 35 30.2	8.61	H	225.194 251 45	+28.591 730 68		7.05	−37.05	30.29	0.69	0.65	1.02	0.73	0.91	−18	+ 1	−13	−34	+10	−17	+26	+ 4	+ 5	−56		2	−0.82
73462	15 00 50.30	+06 45 25.0	9.93	H	225.209 575 73	+06.756 952 35		4.64	20.90	−26.59	1.79	1.61	2.03	2.84	2.01	+19	−29	−45	+48	+36	−35	+22	+29	+ 2	+19		0	0.22
73463	15 00 51.44	+52 24 06.7	9.28	G	225.214 324 87	+52.401 847 92		2.10	10.55	12.12	0.71	0.77	0.91	0.76	0.85	+ 9	−13	−10	− 4	− 9	− 9	− 8	+ 5	+ 0	−13		0	1.16
73464	15 00 52.28	+22 02 44.1	6.29	H	225.217 831 89	+22.045 573 38		3.19	−4.50	6.27	0.47	0.54	0.78	0.56	0.72	−28	+ 8	−20	+33	+ 6	− 4	+ 0	+16	−12	−61		1	1.32
73465	15 00 53.17	−04 27 20.1	9.00	2 G	225.221 555 83	−04.455 593 17		2.46	−75.50	19.88	1.18	1.02	1.35	1.48	1.11	−30	−21	−15	+38	−15	+23	− 9	+31	− 1	−16		2	−0.35
73466	15 00 54.73	+04 20 08.1	8.98	H	225.228 050 86	+04.335 583 50		2.99	32.53	−35.41	1.72	1.13	1.43	3.24	1.80	+28	+ 6	− 9	+52	+25	+ 7	+32	+44	+ 2	+65		0	−0.19
73467	15 00 54.90	+25 47 52.4	9.10	G	225.228 744 91	+25.797 881 20		4.73	−22.62	−10.32	0.87	0.72	1.14	1.00	0.88	− 3	−17	−11	+24	+11	+ 5	+16	+25	−39	−28		0	0.79
73468 H	15 00 55.13	+57 45 12.7	8.54	H	225.229 721 12	+57.753 539 44	*	1.64	−5.72	4.42	0.66	0.66	0.73	0.69	0.76	+17	− 5	+ 5	−16	− 7	−12	− 2	+23	+ 0	+ 6		3	−0.90
73469	15 00 55.37	−73 47 38.9	8.42	H	225.230 709 43	−73.794 145 12		1.36	0.10	−8.89	0.55	0.64	0.83	0.64	0.73	+12	− 3	+12	−15	−11	−29	−10	+12	−11	+22		0	−1.93
73470 H	15 00 55.38	+45 25 31.1	9.15	G	225.230 747 48	+45.425 308 04	A	85.48	241.12	370.51	1.63	2.72	1.56	1.66	1.56	− 8	+ 3	− 7	− 6	− 2	+ 2	− 5	− 7	+ 3	+ 8		1	0.51
73471	15 00 57.53	+31 22 18.5	10.74	H	225.239 712 18	+31.371 804 49	B	−3.16	34.95	29.77	32.08	34.73	16.25	20.00	22.43	+17	−10	− 5	−10	−10	+14	− 9	− 5	+ 3	− 5		2	1.32
73472	15 00 57.74	+31 22 38.7	8.50	H	225.240 569 54	+31.377 407 88	A	0.78	−47.92	−48.51	1.57	1.57	1.93	1.50	1.61	+15	−13	− 6	− 2	−10	+15	−10	+ 1	+ 5	− 7		2	1.32
73473	15 00 58.39	−08 31 08.2	4.91	3 G	225.243 281 91	−08.518 934 88		10.72	−66.20	−3.40	0.72	0.61	0.91	0.86	0.81	−43	− 4	−43	+17	+13	− 9	+ 7	−50	+41	−49		0	0.68
73474	15 00 59.75	+73 03 11.1	8.66	2 H	225.248 958 09	+73.053 090 07		7.64	−28.54	39.85	0.67	0.70	0.78	0.76	0.82	+27	−34	−37	+ 3	− 1	+ 8	+ 6	+11	−12	+14		1	−0.87
73475	15 01 00.49	−34 35 51.8	11.25	H	225.252 034 27	−34.597 716 65		3.33	−3.93	−5.11	2.68	1.97	2.82	2.79	2.22	− 3	−24	− 1	+20	+ 4	+ 5	+ 8	+17	−15	+ 5		0	−0.23
73476	15 01 00.69	+40 05 03.9	7.09	H	225.252 870 76	+40.084 420 88		6.45	1.24	−39.97	0.53	0.53	0.66	0.57	0.61	+18	− 8	+ 1	−21	−21	+ 2	−19	− 1	+ 4	+ 3		0	0.50
73477	15 01 00.70	+56 54 05.3	11.38	H	225.252 912 44	+56.901 477 05		11.47	−106.73	252.40	1.53	1.32	1.62	1.67	1.45	+ 2	− 3	+ 3	−17	− 2	− 2	+ 2	+19	+ 6	−10		0	−2.24
73478 H	15 01 01.28	+45 43 24.7	8.68	G	225.255 340 31	+45.723 519 84	A	4.44	−38.77	−0.68	1.44	1.29	1.18	1.17	1.22	−37	+ 2	− 1	− 3	−11	+13	− 8	− 2	−14	+ 8		1	−0.26
73479 H	15 01 01.35	−42 59 57.7	8.69	2 H	225.255 614 12	−42.999 353 38	A	1.21	9.03	3.62	2.68	1.66	2.68	3.95	2.44	−47	−23	+19	−13	− 3	−27	+15	+ 6	− 3	+29		9	0.20
73480	15 01 01.44	+02 53 51.5	6.72	H	225.255 995 80	+02.897 650 04		14.89	−83.96	−78.84	0.99	0.95	1.06	1.46	1.24	−20	−21	−15	+29	−14	−17	−19	+58	−24	+13		0	−2.14
73481	15 01 01.72	+75 15 43.7	9.74	H	225.257 156 95	+75.262 140 89		34.58	−295.32	−106.70	0.81	0.94	0.96	0.89	1.06	+11	−13	−31	−11	− 7	+ 9	− 5	+15	− 8	+15		0	3.41
73482	15 01 02.10	+16 09 33.2	8.32	H	225.258 744 57	+16.159 209 92		2.50	−28.34	10.36	0.99	0.84	1.18	1.13	1.06	+ 3	−34	−18	−36	−33	+26	−33	−14	+ 9	− 3		2	−1.24
73483	15 01 02.26	−64 34 33.2	6.56	1 H	225.259 434 68	−64.575 897 88		7.85	−19.91	−63.63	0.37	0.43	0.60	0.42	0.52	+14	−18	−10	+24	+ 9	− 8	+ 8	+22	+ 4	+15		1	−0.64
73484	15 01 02.37	−36 32 05.7	8.86	H	225.259 872 04	−36.534 912 07		4.69	−32.92	−34.36	1.14	0.91	1.39	1.39	1.20	− 6	−26	−13	+20	+ 2	−24	− 7	+ 7	+23	− 5		0	1.32
73485	15 01 02.60	−33 50 21.8	7.40	H	225.260 822 66	−33.839 398 70		12.80	−116.61	−28.51	0.83	0.59	0.94	0.74	0.70	+ 2	−43	−21	− 3	− 6	− 3	−11	+ 8	+13	−21		0	−0.23
73486	15 01 07.64	−72 43 08.6	8.07	H	225.281 824 45	−72.719 057 11		3.36	−8.90	−9.68	0.53	0.65	0.80	0.61	0.80	+15	−13	− 4	+ 3	+ 4	−16	+ 4	+18	−12	+24		0	0.10
73487	15 01 08.79	−36 50 44.0	9.00	H	225.286 607 10	−36.845 559 36		8.22	−11.80	−11.94	1.21	1.00	1.35	1.46	1.23	− 7	− 7	− 1	+39	+23	− 3	+28	− 1	+31	+17		6	3.14
73488	15 01 08.90	−05 56 45.9	9.47	G	225.287 081 79	−05.946 089 64		5.47	−30.36	−34.31	1.30	0.91	1.50	1.48	1.21	−29	−39	−16	+10	−16	− 9	−26	−14	+24	−34		0	0.10
73489	15 01 09.19	−29 37 45.4	9.32	H	225.288 287 47	−29.629 277 11		4.27	−10.46	−16.50	1.27	0.98	1.49	1.56	1.27	−16	−30	−24	+12	−11	+20	− 6	+13	− 1	−23		0	0.92
73490 H	15 01 10.37	−04 05 50.0	9.05	G	225.293 204 60	−04.097 221 53	A	3.06	− 7.86	4.83	2.46	2.11	2.15	2.83	1.89	−51	− 6	−39	+51	−60	+23	− 5	+54	−15	+ 6		1	−0.31
73491	15 01 11.66	+01 51 14.0	8.21	H	225.298 586 22	+01.853 885 40		5.50	15.49	−3.11	1.73	1.10	1.52	2.02	1.74	+21	−22	−20	+71	+34	−11	+25	+23	+36	+ 4		0	−1.56
*73492	15 01 13.11	−69 13 06.9	8.15	H	225.304 642 43	−69.218 589 83		3.37	−17.59	−20.56	0.55	0.71	0.95	0.63	0.82	+11	−14	− 4	+ 9	+ 5	+ 1	+ 6	+34	−12	+13		0	−0.81
*73493	15 01 13.07	−38 03 29.9	5.88	H	225.304 474 74	−38.058 314 65		8.43	30.42	−34.37	0.67	0.68	0.93	0.75	0.74	−19	− 7	−46	− 2	+19	−25	+ 8	−25	+24	−20		0	2.09
73494 H	15 01 15.23	−67 58 59.8	6.99	G	225.313 467 91	−67.983 282 76	A	3.06	−10.47	− 5.28	0.56	0.67	0.91	0.64	0.80	+32	+ 2	−10	−23	+ 5	−29	− 2	+ 7	−24	+51		1	0.28
73495	15 01 18.04	+23 51 02.4	9.36	H	225.325 168 82	+23.850 679 54		8.35	41.34	36.97	0.96	0.86	1.18	1.14	1.06	+ 0	− 5	− 2	+40	− 6	− 6	− 8	+14	−28	−10		0	−0.35
73496	15 01 19.54	−01 03 16.7	8.77	H	225.331 400 28	−01.054 630 96		2.97	−44.01	− 2.23	1.19	1.26	1.73	1.51	1.20	−30	−16	−50	+20	−34	+42	− 6	+23	−34	−37		0	0.32
73497	15 01

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
73401	10.528	0.053	9.095	0.028		1.209	0.047	T	1.17	0.05	L	9.1261	0.0028	0.017	48		9.09	9.15				1 S							
73402	9.941	0.021	8.780	0.014		0.997	0.020	T	0.98	0.02	L	8.8432	0.0017	0.016	92		8.81	8.87		C		1							S
73403	8.139	0.008	7.007	0.006		0.974	0.008	T	0.96	0.01	L	7.0601	0.0009	0.009	133		7.04	7.07		C		1							S
73404	8.200	0.008	7.020	0.006		1.011	0.008	T	0.99	0.01	L	7.0708	0.0011	0.009	137		7.05	7.09				1							S
73405	10.411	0.024	10.240	0.033		0.156	0.039	T	0.17	0.04	L	10.3260	0.0029	0.034	205		10.26	10.38				1 S							G
73406	9.843	0.040	9.427	0.040		0.393	0.052	T	0.46	0.06	L	9.5164	0.0026	0.018	46		9.49	9.55		C		1							
73407	8.798	0.019	7.492	0.012		1.110	0.018	T	1.07	0.02	L	7.5259	0.0011	0.008	43		7.51	7.54		C		1							S
73408	8.967	0.012	8.194	0.010		0.667	0.015	G	0.73	0.01	H	8.2628	0.0012	0.015	159		8.24	8.29		C		1 G							S
73409	7.938	0.008	7.710	0.008		0.218	0.011	T	0.24	0.01	L	7.7457	0.0014	0.012	106		7.72	7.77		C		1							S
73410	9.030	0.013	7.602	0.007		1.205	0.012	T	1.16	0.01	L	7.6422	0.0009	0.010	113		7.63	7.66		C		1							S
73411	10.095	0.023	9.379	0.020	*	0.658	0.024	T	0.72	0.02	L *	9.4388	0.0025	0.021	118	*	9.40	9.48		D	15002+2129	I 1	2 C A	AB	245	0.238	0.005	0.01	0.08	
73412	8.282	0.009	7.730	0.008		0.517	0.011	T	0.59	0.01	L	7.7818	0.0013	0.011	112		7.76	7.80				1							S
73413	10.938	0.040	10.360	0.036		0.540	0.048	T	0.61	0.05	L	10.4339	0.0032	0.032	143		10.37	10.51		C		1							
73414	10.935	0.040	9.726	0.024		1.034	0.036	T	1.01	0.03	L	9.7694	0.0022	0.026	130		9.73	9.82				1							
73415	7.268	0.006	6.041	0.003		1.052	0.003	G	1.02	0.00	H	6.0882	0.0006	0.007	145		6.08	6.10		C		1							S
73416	9.450	0.025	9.037	0.026		0.404	0.030	T	0.47	0.03	L	9.1303	0.0018	0.015	62		9.10	9.17		C		1							
73417	9.820	0.022	8.421	0.013		1.183	0.020	T	1.14	0.02	L	8.4738	0.0021	0.019	114		8.44	8.51				1							S
73418	11.114	0.057	10.074	0.036		0.900	0.015	G	0.94	0.02	I	10.1257	0.0025	0.024	106		10.09	10.18				1							
73419	8.526	0.015	8.248	0.016		0.264	0.021	T	0.30	0.03	L	8.2903	0.0025	0.014	53		8.27	8.31		C		1 S							S
73420	9.961	0.026	7.831	0.010		1.801	0.023	T	2.53	0.04	O	7.6268	0.0027	0.021	100		7.60	7.66		U		1							
73421	10.487	0.029	9.932	0.028		0.525	0.030	T	0.60	0.03	L	9.9982	0.0024	0.031	152		9.95	10.06		C		1							G
73422	9.802	0.020	8.660	0.013		0.982	0.019	T	0.96	0.01	L	8.7228	0.0020	0.017	146		8.70	8.76		C		1							S
73423	10.045	0.028	8.408	0.013		1.370	0.024	T	1.34	0.03	L	8.4256	0.0015	0.015	90		8.40	8.46				1							
73424	8.838	0.020	7.150	0.010		1.410	0.018	T	1.39	0.02	L	7.1350	0.0021	0.013	40		7.12	7.16				1							S
73425	8.997	0.014	8.626	0.015		0.380	0.015	G	0.44	0.02	H	8.6805	0.0017	0.015	87		8.65	8.70		C		1							S
73426	10.612	0.051	8.865	0.021		1.486	0.045	T	2.83	0.07	O	8.5503	0.0145	0.072	50		8.46	8.64		U 2		1 S							P
73427	11.466	0.078	10.102	0.039		1.253	0.006	G	1.42	0.01	I	10.0302	0.0025	0.031	101		9.97	10.10				1							
73428	10.948	0.060	9.819	0.037		0.890	0.015	G	0.93	0.01	H	9.9277	0.0033	0.021	64		9.88	9.96		C		1							
73429	10.181	0.021	8.903	0.013		1.088	0.019	T	1.05	0.02	L	8.9672	0.0017	0.020	169		8.93	9.01				1							
73430	10.273	0.022	9.612	0.020		0.613	0.025	T	0.68	0.02	L	9.6827	0.0022	0.025	153		9.65	9.73		C		1 G							
73431	10.167	0.017	9.014	0.011		0.990	0.016	T	0.97	0.01	L	9.0433	0.0014	0.023	287		9.01	9.10		R		1							
73432	10.764	0.052	10.367	0.055		0.410	0.020	G	0.48	0.02	H	10.4277	0.0071	0.041	95		10.36	10.50		U		1							G
73433	9.108	0.017	7.933	0.011		1.019	0.020	G	0.99	0.02	H	7.9722	0.0010	0.010	75		7.95	7.99		C		1							S
73434	8.584	0.016	7.944	0.014		0.594	0.018	T	0.66	0.02	L	8.0098	0.0017	0.011	43		7.99	8.03		C		1							S
73435	9.694	0.023	8.388	0.014		1.110	0.021	T	1.07	0.02	L	8.4359	0.0019	0.015	91		8.41	8.46				1							S
73436	7.564	0.005	7.187	0.006	*	0.357	0.007	T	0.42	0.01	L *	7.2383	0.0010	0.011	134	*	7.22	7.26		D	15004+5537	H 1	2 C A	AB	167	0.796	0.014	3.55	0.06	S
73437	9.491	0.022	8.794	0.019		0.643	0.024	T	0.71	0.02	L	8.8494	0.0018	0.018	81		8.82	8.89		C		1							S
73438	8.285	0.007	7.638	0.006		0.600	0.008	T	0.67	0.01	L	7.7036	0.0010	0.011	210		7.68	7.72				1							S
73439	8.834	0.011	8.768	0.013		0.066	0.016	T	0.08	0.02	L	8.8077	0.0021	0.020	149		8.77	8.84		C		1							
73440	7.398	0.005	6.715	0.005		0.631	0.006	T	0.70	0.01	L	6.7701	0.0008	0.007	115		6.76	6.78		C		1 X							S
73441	9.667	0.019	9.105	0.018		0.530	0.019	T	0.60	0.02	L	9.1689	0.0039	0.036	108		9.11	9.22		U 2		1							P
73442	9.808	0.025	7.881	0.011		1.634	0.023	T	2.30	0.06	O	7.7105	0.0028	0.023	82		7.67	7.75		U 2		1							S
73443	11.434	0.071	9.696	0.026		1.450	0.060	T	1.45	0.10	L	9.6334	0.0035	0.035	118		9.59	9.70		U 2		1							
73444	10.923	0.070	10.269	0.067		0.532	0.015	G	0.60	0.02	H	10.3773	0.0036	0.029	60		10.34	10.42		C		1							
73445	10.123	0.033	8.261	0.014		1.580	0.030	T	2.59	0.05	O	8.0185	0.0078	0.065	60		7.89	8.10		U 2		1 S							S
73446	10.700	0.058	9.846	0.046		0.627	0.015	G	0.69	0.01	H	9.9770	0.0032	0.023	90		9.91	10.01		U		1							
73447	10.256	0.025	9.803	0.026		0.427	0.033	T	0.49	0.04	L	9.8903	0.0024	0.021	135		9.86	9.93		C		1							
73448	10.508	0.049	9.144	0.027		1.155	0.044	T	1.12	0.04	L	9.1848	0.0026	0.015	56		9.16	9.21		C		1							
73449	8.110	0.011	7.341	0.009		0.691	0.004	G	0.75	0.00	H	7.3886	0.0016	0.013	75		7.37	7.41		C		1							S
73450	8.010	0.007	7.868	0.009		0.137	0.011	T	0.15	0.01	L	7.8970	0.0013	0.011	116		7.88	7.91		C		1 G							S
73451	9.093	0.017	8.940	0.020	*	0.139	0.024	T	0.15	0.03	L *	8.9472	0.0016	0.014	85	*	8.92	8.97		D	15006−5230	I 1	2 C A	AB	287	0.267	0.004	0.39	0.09	
73452	9.208	0.013	8.816	0.013		0.408	0.015	G	0.47	0.02	H	8.8672	0.0016	0.015	113		8.84	8.89		C		1							S
73453	10.513	0.053	9.919	0.050		0.554	0.064	T	0.63	0.06	L	9.9831	0.0025	0.020	55		9.93	10.02		D		1							
73454	6.224	0.003	6.338	0.004		−0.099	0.004	T	−0.08	0.01	L	6.3252	0.0009	0.010	145		6.31	6.34	2.89	P 1 A	15006+4717	I 1	1							S P
73455	10.461	0.032	9.879	0.030		0.544	0.039	T	0.62	0.04	L	9.9398	0.0023	0.022	116		9.90	9.98		C		1							
73456	9.832	0.031	8.597	0.019		1.054	0.028	T	1.02	0.02	L	8.6435	0.0020	0.015	42		8.62	8.67		D		1							
73457	11.361	0.094	9.605	0.034		1.372	0.008	G	1.66	0.02	A	9.5688	0.0030	0.021	57		9.53	9.62		C		1							
73458	7.879	0.008	7.359	0.008		0.496	0.015	G	0.57	0.02	H	7.4273	0.0012	0.011	80		7.41	7.44		C		1							S
73459	9.937	0.039	9.299	0.035		0.639	0.015	G	0.70	0.01	H	9.3756	0.0025	0.019	50		9.34	9.41				1							
73460	9.759	0.023	9.071	0.020		0.623	0.023	T	0.69	0.02	L	9.1669	0.0019	0.017	92		9.14	9.20		C		1							
73461	9.221	0.013	8.663	0.012		0.538	0.015	G	0.61	0.02	H	8.7276	0.0018	0.018	135		8.69	8.77				1							S
73462	10.430	0.067	10.079	0.082		0.560	0.072	G	0.63	0.07	R	10.0537	0.0029	0.016	34		10.01	10.09		D		1							
73463	9.687	0.022	9.324	0.023		0.350	0.015	G	0.41	0.02	H	9.3607	0.0025	0.018	104		9.33	9.40				1							
73464	7.809	0.005	6.414	0.003		1.179	0.005	T	1.14	0.01	L	6.4537	0.0005	0.006	143		6.44	6.47		C		1							S
73465	9.736	0.034	9.107	0.030		0.552	0.020	G	0.62	0.02	H	9.1411	0.0091	0.052	49		9.09	9.22	0.58	P 1 A			1							
73466	9.566	0.032	9.041	0.031		0.493	0.040	T	0.57	0.04	L	9.0924	0.0017	0.010	40		9.06	9.11		D		1							
73467	9.747	0.017	9.147	0.016		0.573	0.015	G	0.65	0.01	H	9.2327	0.0020	0.020	112		9.19	9.28		C		1							
73468	9.870	0.020	8.640	0.013	*	1.050	0.019	T	1.02	0.02	L *	8.7058	0.0014	0.014	120	*	8.69	8.74		C	15009+5745	M 1	2 C S B	BA	189	0.122	0.007	0.25	0.63	
73469	8.310	0.008	8.399	0.011		−0.076	0.012	T	−0.06	0.01	L	8.4049	0.0015	0.018	153		8.36	8.43				1							
73470	11.075	0.053	9.341	0.020	*	1.427	0.016	G	1.74	0.04	I *	9.2154	0.0018	0.019	134	*	9.19	9.25		C	15009+4526	H 1	2 C C	AB	342	0.425	0.068	3.63	0.36	
73471	11.420	0.067	10.548	0.051	B	0.779	0.063	T	0.81	0.04	L	10.5350	0.0935			B				D	15010+3123	I 2	1 C I A							
73472	10.488	0.034	8.691	0.014	A	2.400	0.495	G	2.46	0.25	O	8.5212	0.0230	0.130	180	A	8.25	8.70		D	15010+3123	I 2	1 C P A							S
73473	4.936	0.030	4.945	0.027		0.000	0.370	G	0.07	0.02	A	4.9297	0.0059	0.226	81		4.91	5.80	2.33	P 1 A	15010−0832	I 1	1							S
73474	9.380	0.016	8.732	0.014		0.612	0.015	G	0.68	0.01	H	8.7921	0.0050	0.038	107		8.75	8.85	0.42	P 1 A			1							
73475											T	11.3882	0.0095	0.053	60		11.31	11.50					1							G
73476	8.380	0.007	7.203	0.006		1.013	0.010	G	0.99	0.01	H	7.2531	0.0009	0.011	151		7.23	7.27		C			1							S
73477											T	11.5103	0.0043	0.039	90		11.44	11.57					1							G
73478	9.183	0.014	8.704	0.013	*	0.436	0.015	G	0.50	0.02	H *	8.7870	0.0015	0.015	128	*	8.76	8.81			15010+4543	H 1	2 C D	AB	125	0.331	0.057	3.36	0.40	S D
73479	9.306	0.016	8.842	0.016	*	0.437	0.021	T	0.51	0.02	L *	8.7852	0.0021	0.026	131	*	8.76	9.03	1.62	P 1 A	15010−4300	I 1	2 C A	AB	83	0.662	0.005	0.54	0.02	
73480	7.332	0.011	6.797	0.011		0.553	0.003	G	0.63	0.00	H	6.8387	0.0014	0.009	42		6.82	6.87		C			1							S
73481	11.122	0.054	9.780	0.028		1.552	0.197	G	2.45	0.82	I	9.7706	0.0031	0.027	101		9.73	9.83					1							
73482	9.988	0.033	8.461	0.017		1.283	0.029	T	1.24	0.03	L	8.4766	0.0018	0.012	73		8.45	8.50		C			1							
73483	6.916	0.005	6.602	0.005		0.298	0.007	T	0.34	0.01	L	6.6395	0.0022	0.022	169		6.60	6.68	0.16	P 1 A			1							S P
73484	9.344	0.020	8.927	0.021		0.408	0.024	T	0.47	0.03	L	8.9492	0.0022	0.018	52		8.92	8.98		C			1							
73485	7.943	0.009	7.460	0.010		0.481	0.015	G	0.55	0.02	H	7.5060	0.0012	0.009	60		7.49	7.52		C			1							S
73486	8.053	0.007	8.073	0.008		−0.014	0.010	T	0.01	0.01	L	8.0765	0.0016	0.019	149		8.05	8.11					1							S
73487	9.610	0.025	9.150	0.025		0.447	0.028	T	0.52	0.03	L	9.1038	0.0028	0.027	61		9.06	9.17		D			1 S							
73488	10.180	0.037	9.580	0.036		0.600	0.020	G	0.67	0.02	H	9.5965	0.0021	0.016	73		9.57	9.63					1							
73489	10.107	0.031	9.397	0.026		0.640	0.031	T	0.70	0.03	L	9.4563	0.0023	0.020	62		9.42	9.48		C	15012−2938	I 1	1							
73490	10.609	0.070	9.271	0.037	A	1.090	0.015	G	1.05	0.02	H *	9.2081	0.0037	0.014	46	*	9.19	9.24		D	15012−0406	I 1	2 C A	AB	82	3.241	0.014	2.17	0.07	
73491	9.527	0.039	8.347	0.025		1.011	0.036	T	0.99	0.03	L	8.3752	0.0025	0.013	36		8.36	8.43					1							S
73492	9.935	0.018	8.318	0.009		1.354	0.016	T	1.32	0.02	L	8.3054	0.0016	0.020	175		8.27	8.34					1							
73493	7.518	0.007	6.015	0.005		1.246	0.007	G	1.20	0.01	H	6.0376	0.0007	0.006	53		6.03	6.05		C			1							S
73494	6.870	0.004	6.941	0.005	*	−0.058	0.002	G	−0.04	0.00	H *	6.9718	0.0012	0.015	197	*	6.95	7.00		D	15013−6759	I 1	2 C A	AB	333	5.184	0.007	2.43	0.03	S
73495	10.149	0.027	9.418	0.022		0.670	0.028	T	0.73	0.02	L	9.5015	0.0027	0.021	86		9.46	9.54		C			1							
73496	10.123	0.047	8.897	0.029		1.047	0.043	T	1.02	0.04	L	8.9408	0.0031	0.014	44		8.92	8.96		C			1							
73497	7.709	0.013	5.711	0.006		1.692	0.012	T	1.95	0.04	O	5.6057	0.0020	0.011	52		5.59	5.63		M			1							S
73498	10.130	0.045	9.657	0.044		0.476	0.015	G	0.55	0.02	H	9.6598	0.0035	0.024	39		9.61	9.69					1							
73499	10.707	0.032	9.451	0.018		1.071	0.029	T	1.04	0.02	L	9.4906	0.0023	0.031	180		9.44	9.54		C			1							
73500	6.611	0.003	6.702	0.004		−0.078	0.004	T	−0.06	0.01	L	6.6965	0.0008	0.008	153		6.68	6.71		C			1							S

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)										Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
73501	15 01 23.07	−26 57 59.4	9.43	H	225.346 136 19	−26.966 504 65	9.29	−8.94	26.66	1.30	0.92	1.47	1.61	1.13	+ 9	−33	−35	−21	−15	+ 4	−22	−13	+19	+20	0	0.99
73502	15 01 23.81	+45 46 34.0	8.86	G	225.349 187 54	+45.776 119 02	5.88	−20.59	27.17	0.72	0.73	0.90	0.91	0.94	+12	− 5	+ 2	+ 3	− 7	+13	− 6	+ 3	−12	+11	0	0.91
73503	15 01 24.85	+10 21 45.5	8.63	H	225.353 541 91	+10.362 646 38	9.26	−46.87	−28.97	0.86	0.73	1.09	0.85	0.89	−42	−26	+ 6	−21	−12	+15	−24	−12	+19	−44	0	0.95
73504	15 01 25.66	−65 54 50.4	7.60	H	225.356 903 88	−65.914 008 87	1.76	−4.70	−5.27	0.39	0.55	0.76	0.43	0.65	+25	− 5	+ 3	− 7	+20	− 7	+12	+27	− 9	+49	0	0.25
73505	15 01 25.91	−32 41 53.4	9.31	G	225.357 956 80	−32.698 172 56	8.91	0.11	2.72	1.35	0.99	1.54	1.61	1.22	− 1	−11	−12	+17	+15	+ 7	+15	− 4	+30	+17	0	−0.30
73506	15 01 26.30	+49 11 41.4	7.25	H	225.359 600 57	+49.194 819 81	3.23	−2.22	−15.98	0.51	0.51	0.62	0.61	0.59	+ 6	+ 8	− 5	+15	− 4	+17	− 5	+12	−16	− 5	0	0.34
73507	15 01 27.11	+60 12 15.9	5.91	H	225.362 955 58	+60.204 424 21 +	9.98	−13.04	11.94	0.47	0.51	0.53	0.50	0.57	+ 6	+ 0	− 4	−33	− 2	−16	+ 5	−29	+ 1	− 6	1	0.52
73508	15 01 27.29	−12 40 22.6	9.07	H	225.363 719 58	−12.672 953 36	3.91	−17.36	11.73	1.29	0.89	1.48	1.55	1.00	−19	−11	−30	+ 6	−22	+ 6	−19	− 8	+ 0	−10	0	1.38
73509	15 01 28.14	+02 42 29.9	10.07	H	225.367 250 94	+02.708 298 66	3.67	−7.61	−9.19	1.68	1.56	2.07	2.58	2.02	−15	−13	−32	+ 7	− 5	− 6	−10	+29	− 6	− 1	4	−1.75
73510	15 01 28.68	+77 18 08.2	9.04	H	225.369 508 66	+77.302 280 52	3.07	8.35	−4.07	0.66	0.79	0.80	0.69	0.90	− 4	−12	−28	− 8	− 5	+ 6	− 4	+ 1	+ 3	−12	0	1.49
73511	15 01 29.31	−35 24 48.9	9.52	H	225.372 117 76	−35.413 580 07	6.72	2.95	−26.58	1.17	1.09	1.42	1.15	1.32	−12	−29	−30	+ 4	−23	+ 9	−13	+36	−22	−39	0	0.70
73512	15 01 29.91	+15 52 10.1	9.13	H	225.374 631 73	+15.869 464 04	32.93	101.07	−236.95	1.15	1.08	1.51	1.22	1.32	− 8	−37	−18	−29	−26	+31	−28	−16	+12	−20	0	0.61
73513	15 01 30.36	−21 06 36.1	9.10	H	225.376 505 66	−21.110 024 56	11.03	−4.64	−74.85	1.37	0.81	1.51	1.68	1.05	− 5	−19	−40	+14	−30	+28	−20	+17	−10	+ 3	0	−1.10
73514	15 01 30.96	−18 48 11.7	7.94	2 H	225.378 996 96	−18.803 251 53	1.19	−20.84	2.81	0.86	0.68	1.05	1.13	0.94	−38	− 1	−30	+ 4	− 4	+12	+ 2	−20	+21	−22	0	−0.07
73515	15 01 31.58	+42 38 23.7	8.87	H	225.381 571 18	+42.639 907 00	3.31	−8.60	19.35	0.68	0.72	0.94	0.76	0.81	+14	+ 1	−17	− 1	− 4	−10	− 6	+ 3	+ 0	+ 7	1	0.49
73516	15 01 33.34	−13 19 56.3	9.64	G	225.388 926 65	−13.332 300 99	3.94	−12.21	−3.37	1.22	0.80	1.37	1.36	0.92	−27	−20	−24	+34	−15	+14	−13	− 5	+10	−30	2	−0.43
73517	15 01 34.06	−15 56 02.8	8.61	H	225.391 901 99	−15.934 111 18	3.75	13.77	−14.94	1.18	0.77	1.36	1.63	1.10	−34	−21	−19	+34	−12	−17	−26	−14	+36	−52	0	0.15
73518	15 01 35.34	−03 09 50.5	6.68	G	225.397 235 13	−03.164 037 04	10.25	11.85	−89.76	0.91	0.69	0.99	0.97	0.74	−21	−35	−19	+36	−20	+12	− 8	+28	−19	−21	0	0.93
73519	15 01 35.76	−59 38 38.2	9.11	G	225.398 989 25	−59.643 939 74	12.09	−123.30	−237.45	1.09	1.03	1.40	1.50	1.34	+21	−26	+11	+36	+31	−12	+34	+21	− 1	+51	0	1.23
73520	15 01 35.94	−63 55 36.9	7.38	G	225.399 760 12	−63.926 927 97	5.78	−24.65	−20.24	0.44	0.49	0.73	0.53	0.62	+21	−17	+ 0	+36	+17	+ 0	+15	+31	+13	+31	0	−0.49
73521	15 01 37.20	−28 47 40.9	10.02	H	225.404 991 26	−28.794 703 51	9.24	−41.76	−12.84	1.55	1.25	1.77	1.95	1.75	−24	−18	−13	+19	− 7	+ 3	− 5	+14	− 6	−35	0	0.98
73522	15 01 38.38	−56 15 36.6	6.89	1 H	225.409 897 60	−56.260 171 94	1.58	−3.46	−4.17	0.62	0.51	0.77	0.65	0.68	− 1	−33	− 9	+17	+25	−10	+30	+ 0	−10	− 6	0	1.11
73523 H	15 01 38.54	−08 27 45.8	9.43	H	225.410 587 38	−08.462 731 67 *	7.44	−5.35	−23.69	1.35	1.10	1.84	1.64	1.44	−40	−10	−44	+17	+ 6	− 8	+ 1	−51	+49	−42	0	0.73
73524	15 01 40.88	−50 23 42.4	8.78	H	225.420 322 70	−50.395 106 13	−0.19	−18.97	−14.84	0.81	0.92	1.25	1.23	1.36	−19	− 3	−25	+25	+ 5	+ 6	+ 5	+17	+28	−16	0	2.08
73525	15 01 41.81	+55 13 23.3	8.98	H	225.424 218 69	+55.223 132 10	2.06	10.22	−4.78	0.69	0.71	0.84	0.72	0.73	− 3	+ 2	− 5	−10	−21	+10	−15	+12	−18	−32	2	−0.79
73526	15 01 43.25	−45 49 32.0	8.36	2 H	225.430 201 86	−45.825 552 52	3.02	−0.38	−9.16	0.76	0.72	1.03	0.85	1.01	−30	−18	− 5	+10	−13	−14	−13	+29	+ 4	−37	0	0.15
73527	15 01 43.68	−21 14 08.0	8.80	H	225.431 990 01	−21.235 551 72	4.66	−18.81	−4.17	1.12	0.72	1.36	1.34	0.94	−25	−17	−35	+25	−30	+35	−18	+20	− 9	−22	0	0.26
73528	15 01 43.95	+00 42 53.2	7.74	H	225.433 119 49	+00.714 787 23	8.03	−11.30	17.08	0.92	0.75	1.06	0.97	0.84	−13	−41	−18	+ 8	− 6	+13	+ 4	+12	−15	−19	0	0.11
73529	15 01 45.17	+05 37 54.3	9.94	H	225.438 217 30	+05.631 746 97 A	6.29	−1.60	−0.79	5.35	8.64	7.52	6.12	7.53	+ 3	−35	−78	+40	−37	+13	−22	+63	−31	−63	1	0.22
73530	15 01 45.28	+35 40 53.6	8.95	H	225.438 677 88	+35.681 561 76	12.12	−94.01	62.21	0.63	0.77	1.04	0.71	0.86	+15	+ 0	− 6	− 5	− 3	+ 2	− 2	+ 2	+19	+ 6	0	−0.18
*73531	15 01 45.61	+05 38 11.4	10.86	H	225.440 031 51	+05.636 500 84 B	32.18	6.80	−14.56	41.33	64.21	39.57	33.59	41.11	+ 1	−35	−76	+29	−33	+ 6	−23	+56	−26	−67	1	0.22
*73532	15 01 45.51	−26 11 50.9	8.72	H	225.439 625 00	−26.197 460 63	10.52	−131.67	−5.23	1.22	0.90	1.26	1.82	1.24	− 4	+ 1	+ 0	−21	−25	−23	−31	+ 8	−13	+24	0	−1.02
73533	15 01 46.23	−30 14 40.3	12.39	3 H																						
73534 H	15 01 48.49	−41 49 05.0	8.09	H	225.452 027 19	−41.818 055 24 A	−0.60	−16.79	−7.14	3.11	1.76	3.44	4.65	3.14	−42	+38	−14	−28	+ 2	−30	−26	+14	−23	+16	1	−0.44
73535	15 01 48.71	−31 32 38.2	7.72	G	225.452 939 77	−31.543 933 63	11.90	−27.59	−37.86	0.90	0.74	1.12	1.05	0.86	− 1	−35	−24	+13	− 0	+15	− 1	+ 8	− 2	− 6	0	−0.13
73536 H	15 01 48.92	−00 08 24.9	5.71	1 H	225.453 814 14	−00.140 258 67 A	3.19	6.45	−15.03	1.39	1.03	1.21	1.25	0.98	−39	−26	−31	+28	−24	+ 9	−18	+12	− 3	−51	0	1.05
73537	15 01 49.35	+13 15 55.0	9.21	H	225.455 621 00	+13.265 276 14	2.45	−19.51	0.83	1.15	1.02	1.39	1.25	1.27	−14	−14	−18	−24	−34	+13	−32	+ 3	+ 9	−35	0	−0.08
73538	15 01 49.38	−32 18 58.3	9.56	H	225.455 759 72	−32.316 196 49	6.05	−11.34	−9.43	1.43	1.12	1.62	1.70	1.33	− 8	−16	−23	+15	+ 4	+ 4	+ 5	+ 4	+ 6	− 3	0	−0.34
73539	15 01 49.51	+41 11 09.8	10.57	H	225.456 284 06	+41.186 051 41	2.48	0.68	−5.23	1.10	1.19	1.47	1.36	1.56	+13	− 9	− 1	+22	+ 6	+ 5	+ 5	+ 2	+ 8	+12	2	0.59
73540	15 01 50.70	−83 13 40.0	5.65	H	225.461 267 96	−83.227 775 73	8.39	18.65	53.30	0.40	0.40	0.50	0.43	0.48	− 1	−19	+ 3	− 9	− 2	−10	− 4	+ 7	+12	− 4	1	1.48
73541	15 01 51.01	−11 05 39.5	9.64	H	225.462 553 88	−11.094 298 63	2.27	−1.13	−21.46	1.35	1.00	1.48	1.81	1.21	−31	+ 8	−15	+ 0	− 9	+ 7	+ 0	−38	− 5	−10	2	−0.32
73542	15 01 51.94	+15 46 52.9	9.36	H	225.466 397 26	+15.781 368 46 B	1.37	−10.19	−35.33	2.87	2.77	2.86	2.72	2.95	−11	−32	−28	−16	−30	+23	−33	−12	+21	−31	1	2.40
73543	15 01 52.27	+15 47 18.5	8.84	H	225.467 777 20	+15.788 481 77 A	2.51	9.44	−40.21	3.72	3.71	2.88	2.79	3.01	−26	−27	−24	− 1	−33	+27	−35	+ 3	+19	−34	1	2.40
73544	15 01 52.37	+03 21 37.7	8.48	H	225.468 201 94	+03.360 483 42	13.37	−77.06	4.04	1.28	1.00	1.58	1.71	1.21	+17	−50	−43	+ 9	+ 4	−13	+ 4	+27	−19	+28	0	−2.26
73545 T	15 01 53.01	−38 19 02.2	8.73	H	225.470 860 47	−38.317 278 03	3.69	−0.23	−13.48	1.26	1.29	1.59	1.41	1.45	−36	− 1	−44	−22	+30	−17	+26	−43	+31	−33	0	2.43
*73546	15 01 53.33	−47 14 52.5	9.90	H	225.472 190 21	−47.247 916 81 A	8.98	−44.20	−7.52	4.43	4.40	4.61	4.20	4.49	−30	− 8	−21	+ 3	+26	−26	+23	− 8	− 3	+ 9	8	1.14
*73547	15 01 53.29	−47 00 26.3	7.74	G	225.472 035 95	−47.007 294 87	36.84	−25.24	−73.13	0.73	0.65	0.98	0.79	0.79	−24	−14	−22	+ 7	+16	−24	+12	+13	+ 5	−20	0	−0.06
73548	15 01 53.40	+53 36 01.2	9.86	H	225.472 512 65	+53.600 325 36	0.09	−1.38	−2.96	0.88	0.89	1.06	1.11	1.01	+ 1	− 9	− 9	−12	−13	+ 6	− 7	− 3	−16	−37	0	−0.47
73549	15 01 54.03	+43 32 30.3	8.15	H	225.475 116 58	+43.541 737 44	5.23	−64.43	39.42	0.64	0.57	0.79	0.74	0.68	+11	− 1	− 1	+ 6	− 2	−15	− 3	+ 3	+ 2	+10	0	−1.01
73550	15 01 54.75	−47 14 46.4	11.58	H	225.478 123 20	−47.246 210 27 B	16.04	−86.06	−54.80	31.99	31.47	15.12	27.77	24.60	−24	− 6	−27	+ 3	+28	−24	+24	− 6	+ 0	+16	8	1.14
73551	15 01 55.29	−67 23 55.3	8.79	2 H	225.480 385 26	−67.398 700 45	1.41	−0.80	−12.45	0.65	0.78	1.14	0.74	1.09	+35	−20	−16	−12	− 1	−21	+ 0	+ 4	−19	+33	0	−1.57
73552	15 01 55.62	+22 01 08.2	9.48	H	225.481 730 88	+22.018 953 63	2.03	7.43	−2.53	0.78	0.92	1.27	0.97	1.28	−28	+ 3	+ 0	+26	+ 6	− 1	+ 6	+18	− 7	−64	0	−0.69
73553	15 01 56.47	−27 43 44.8	8.72	H	225.485 279 63	−27.729 104 66	5.33	−57.38	−30.40	1.02	0.76	1.20	1.31	0.95	− 2	−19	−32	+11	− 3	+11	+ 1	− 5	+13	+10	0	−0.18
73554	15 01 56.60	+40 36 02.2	8.76	G	225.485 851 96	+40.600 609 85	4.28	29.01	−32.84	0.68	0.76	0.93	0.78	0.91	− 1	−13	+ 4	+12	−13	+ 3	−15	+12	+14	−16	0	−0.28
73555	15 01 56.79	+40 23 26.3	3.49	H	225.486 638 04	+40.390 636 71	14.91	−40.20	−29.22	0.43	0.44	0.57	0.50	0.53	+ 8	−14	− 3	−13	−14	+13	−13	+ 0	+11	− 8	0	−0.69
73556	15 01 56.95	−47 09 11.9	7.55	H	225.487 304 60	−47.153 314 65	3.10	−8.73	−8.71	0.68	0.68	0.96	0.71	0.79	−31	−25	−15	+ 2	+ 7	−32	+ 2	+12	+ 1	−31	0	−1.14
73557 H	15 01 56.96	−51 55 05.8	7.39	H	225.487 348 66	−51.918 275 62 A	5.67	−37.02	−20.09	0.95	1.05	1.22	0.90	1.19	−36	−41	+ 3	+14	−12	−32	−19	+20	+24	−48	1	1.18
73558	15 01 57.78	+17 24 30.3	9.24	H	225.490 752 85	+17.408 404 56	8.23	−46.17	−9.33	1.18	0.80	1.58	1.64	1.43	+21	−33	− 6	−14	− 9	+ 1	−17	−21	+18	− 1	0	0.74
73559	15 01 58.10	−34 21 31.7	6.21	G	225.492 089 00	−34.358 816 56	8.30	−28.07	−23.89	0.75	0.54	0.83	0.81	0.66	− 5	−28	−19	+17	+ 3	+ 1	+ 4	+10	+ 1	− 9	0	1.08
73560	15 02 00.39	−32 30 47.0	8.95	H	225.501 629 26	−32.513 048 57	13.91	−54.51	−46.52	1.26	0.94	1.44	1.45	1.12	− 5	−19	−21	+16	+ 6	+ 7	+ 6	+ 3	+11	+ 1	0	−0.79
73561	15 02 01.58	+38 55 37.5	8.15	H	225.506 565 54	+38.927 094 28	7.14	−28.90	−12.13	0.64	0.70	0.86	0.83	0.84	+17	+ 4	+ 1	+ 9	− 1	− 8	− 3	+20	− 6	+21	0	−0.54
73562	15 02 01.72	−30 07 12.7	10.61	H	225.507 183 81	−30.120 196 64	3.27	−13.40	−12.90	2.49	1.79	2.81	2.99	2.30	− 5	−32	−25	− 1	−18	+11	−17	+13	+ 1	−12	3	−0.05
73563	15 02 01.96	+09 11 14.7	8.26	H	225.508 169 16	+09.187 407 41	12.21	−21.76	−10.26	1.03	0.65	1.06	1.18	0.76	− 4	−26	− 9	+38	− 5	+26	− 2	+14	+10	+ 4	0	−0.94
73564	15 02 03.24	+50 39 14.1	9.74	H	225.513 493 20	+50.653 910 41	6.94	−13.99	−7.84	0.90	0.94	1.16	1.03	1.02	+17	−28	−35	− 7	−13	+10	−11	−10	+ 3	+ 1	1	0.99
73565	15 02 04.26	−08 20 41.2	6.70	H	225.517 730 88	−08.344 768 14	4.16	−38.14	21.52	0.78	0.59	1.03	0.98	0.91	−29	−29	−34	+26	+14	−24	−14	−43	+52	−54	0	0.80
73566	15 02 06.38	−28 03 37.9	5.83	1 H	225.526 579 21	−28.060 528 08	10.04	84.22	−34.14	0.84	0.66	0.90	0.99	0.81	+ 8	−22	−29	+24	+15	+ 3	+11	+ 3	− 9	−10	0	0.79
73567	15 02 06.44	+42 03 08.5	7.88	H	225.526 851 31	+42.052 368 74	2.13	−5.20	−8.79	0.55	0.59	0.74	0.69	0.72	+21	+ 4	−10	− 5	−14	− 6	−13	− 7	+13	+10	1	−1.87
73568	15 02 06.51	+25 00 29.7	4.80	1 H	225.527 133 91	+25.008 256 46	9.07	−5.88	−48.60	0.55	0.45	0.74	0.62	0.56	+ 9	−30	+ 9	+24	− 6	−29	+ 7	+ 5	−38	+ 9	2	−1.78
73569	15 02 07.40	+12 10 10.4	9.98	H	225.530 821 23	+12.169 545 51	5.69	41.52	−75.26	1.48	1.32	2.08	1.57	1.66	−30	−37	+ 8	− 7	−43	+31	−54	+27	+28	−22	7	0.66
73570	15 02 07.58	−02 00 41.6	8.87	H	225.531 567 65	−02.011 560 97	6.48	−62.74	−16.85	1.05	1.01	1.38	1.15	0.97	−28	−18	−44	+13	−10	+24	+ 5	+ 1	−18	−40	3	0.76
73571	15 02 08.59	−07 34 31.1	6.38	H	225.535 778 25	−07.575 292 16	5.62	−22.94	−2.75	0.87	0.59	1.08	1.09	0.94	−33	−29	−21	+10	− 6	−11	−21	−40	+45	−39	4	1.15
73572	15 02 13.24	−61 52 38.0	9.52	H	225.555 173 72	−61.877 217 89	2.05	−3.31	−0.86	0.96	0.81	1.41	1.38	1.51	+34	−19	−17	−21	+ 1	−27	− 4	−38	+21	+14	3	−0.45
73573	15 02 14.37	−31 35 29.3	8.15	H	225.559 877 67	−31.591 467 58	7.76	−58.43	−15.71	0.98	0.77	1.20	1.16	0.95	− 5	−27	−31	+ 3	−13	+21	− 9	+ 5	+ 7	− 8	0	−0.43
73574	15 02 15.07	+15 05 05.8	8.18	G	225.562 772 81	+15.084 947 70	6.70	−21.63	−13.03	0.93	0.81	1.14	1.04	1.02	−24	−25	− 8	−10	−15	− 2	−20	+ 1	+21	−37	0	−1.36
73575	15 02 15.40	−39 54 56.4	8.82	H	225.564 178 99	−39.915 666 63	−0.03	1.61	−0.41	1.26	1.42	2.12	1.58	1.78	−12	−29	−57	+20	−23	+ 5	−25	+22	+24	−49	0	−0.75
73576	15 02 17.69	−80 16 39.4	8.89	H	225.573 693 45	−80.277 602 66	3.25	10.06	−3.12	0.80	0.77	0.95	0.97	1.12	+ 9	−16	+ 8	−21	−11	− 5	−13	− 6	+ 2	+14	0	1.54
73577	15 02 19.17	+19 23 26.2	8.76	H	225.579 869 40	+19.390 622 21	17.74	−71.53	−13.25	0.68	0.72	1.18	0.90	1.09	−21	+16	−18	+33	+20	− 2	+15	− 8	+15	−44	0	−0.44
73578	15 02 20.64	+65 57 54.1	7.80	H	225.586 012 19	+65.965 032 34	3.62	18.13	3.35	0.56	0.58	0.63	0.55	0.66	+ 7	−18	−18	− 7	−12	− 7	−16	− 5	+ 5	+ 2	0	−0.01
73579	15 02 21.60	−41 41 26.0	7.59	H	225.589 990 39	−41.690 550 00	4.06	−9.98	−26.48	0.82	0.57	1.03	1.04	1.01	−43	+17	−15	+ 5	+ 2	−25	−10	+ 5	− 2	−13	0	1.11
73580	15 02 23.15	−56 37 26.3	8.03	H	225.596 470 96	−56.623 972 61	2.53	3.66	−4.87	0.83	0.66	1.00	0.87	0.85	+17	−34	− 9	+22	+25	+ 0	+22	+ 3	+ 7	+ 1	0	2.04
73581	15 02 23.27	+44 30 27.6	8.99	1 H	225.596 962 54	+44.507 666 44	7.67	−35.12	6.41	0.75	0.65	0.88	0.98	0.83	+21	−15	− 5	+ 5	− 1	+ 4	− 2	+ 2	+ 5	+ 6	0	−1.62
73582	15 02 26.16	+67 54 15.8	8.29	H	225.609 002 39	+67.904 387 47	11.59	−9.65	36.82	0.56	0.58	0.62	0.57	0.68	+ 4	−10	−25	−23	+ 0	− 6	− 2	−14	+ 7	− 4	0	1.13
73583	15 02 27.29	+34 02 27.2	10.65	H	225.613 711 86	+34.040 889 32	4.38	−23.25	15.95	1.97	2.43	3.32	2.31	2.99	+17	−12	−12	− 9	− 1	+ 0	− 2	−13	+10	+18	0	
73584	15 02 28.89	−61 37 39.0	9.30	H	225.620 370 99	−61.627 489 55	3.15	−25.76	−18.83	1.10	0.83	1.53	1.54	1.43	+41	−27	−11	− 7	+ 0	−38	− 6	−38	+ 9	+18	0	1.44
*73585	15 02 29.27	+47 44 36.1	8.67	H	225.621 962 63	+47.743 364 29	2.16	−18.87	9.44	0.73	0.66	0.84	0.94	0.78	+ 6	+18	− 2	+ 3	−11	− 2	−11	+21	−17	− 2	0	0.72
*73586	15 02 29.25	+33 16 27.7	7.17	H	225.621 883 59	+33.274 363 89	3.10	14.45	−2.55	0.38	0.47	0.70	0.42	0.52	+20	−12	− 5	+ 2	− 1	− 2	+ 1	+ 9	−10	+ 7	2	1.65
73587	15 02 30.01	−07 50 25.4	6.59	G	225.625 039 52	−07.840 398 67	10.56	−58.98	−11.12	0.83	0.61	1.01	0.97	0.94	−40	−34	−23	+33	+ 4	−18	−17	−36	+43	−58	0	0.48
73588	15 02 30.06	−22 00 50.8	7.85	H	225.625 242 06	−22.014 109 27	6.68	15.34	2.26	0.94	0.64	1.04	1.11	0.89	−34	− 9	−15	+21	−22	+16	−20	+18	− 6	−19	0	−0.64
73589	15 02 30.68	+31 41 01.7	6.60	2 H	225.627 849 83	+31.683 804 15	3.98	−26.93	19.63	0.38	0.46	0.71	0.43	0.52	+26	− 8	+ 2	+14	−17	+ 2	−17	+ 3	− 8	+14	0	0.31
73590	15 02 31.31	+51 37 10.9	7.21	H	225.630 460 73	+51.619 681 70	4.71	−6.96	−32.00	0.55	0.54	0.67	0.56	0.57	+26	−28	−28	−12	−12	+ 9	−14	−13	+18	+ 6	2	1.43
73591	15 02 32.06	+21 04 45.8	10.54	H	225.633 590 07	+21.079 402 56	3.53	−13.72	6.64	1.15	1.18	1.70	1.47	1.55	−19	−12	−22	+12	−12	− 8	−12	+17	−11	−46	0	0.62
73592	15 02 32.54	+01 01 52.3	8.38	H	225.635 592 30	+01.031 198 62	10.26	−14.96	11.66	1.22	1.28	1.36	1.37	1.67	−43	−42	−15	+36	−47	+15	−38	+63	− 4	−60	0	0.54
73593	15 02 33.18	+16 03 17.1	7.01	H	225.638 259 64	+16.054 754 41	28.29	−214.18	83.08	0.77	0.56	0.93	0.78	0.77	+17	−45	−10	−43	−28	+24	−31	−18	+14	− 3	0	0.37
73594	15 02 33.36	−12 24 50.0	10.10	G	225.639 001 65	−12.413 880 51	12.81	−198.55	−183.07	1.68	1.20	2.13	2.05	1.32	−18	−12	−36	− 2	−23	+28	− 8	−10	−22	−16	0	0.13
73595	15 02 34.77	−41 34 25.1	8.27	1 H	225.644 885 48	−41.573 649 66	3.23	−22.00	−15.84	0.93	0.67	1.16	1.26	1.23	−51	+ 8	−10	−10	+ 5	−18	− 1	+ 0	−11	−12	0	−0.48
73596	15 02 36.26	+27 25 05.4	9.35	H	225.651 091 54	+27.418 168 73	7.77	6.41	−25.42	1.13	0.88	1.45	1.51	1.34	− 6	−35	−15	+ 5	+28	−16	+25	− 9	− 7	−57	2	0.74
73597	15 02 36.67	−43 27 10.2	9.32	H	225.652 811 21	−43.452 827 39	3.72	−15.63	−24.36	0.86	0.77	1.22	1.03	1.04	−43	−18	− 8	+15	+ 3	−11	+ 5	+15	− 7	−14	0	0.05
73598	15 02 36.89	−55 18 47.4	8.92	H	225.653 709 65	−55.313 167 07	0.13	−7.66	−4.02	1.10	0.81	1.24	1.36	1.17	+23	−21	−17	+49	+43	− 8	+47	+ 4	+ 6	+28	0	1.14
73599	15 02 38.59	+17 48 19.5	10.94	H	225.660 806 68	+17.805 428 61	9.35	−147.87	65.51	2.03	1.35	2.60	3.16	2.32	+38	−22	−14	−33	−33	− 4	−33	−23	+ 8	− 2	0	−0.78
73600	15 02 38.93	+67 12 35.5	9.06	H	225.662 197 96	+67.209 856 93	12.37	−7.06	1.13	0.65	0.72	0.75	0.69

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
73501	10.240	0.032	9.494	0.027		0.667	0.032	T	0.73	0.03	L	9.5618	0.0032	0.016	63		9.53	9.59		C			1							
73502	9.139	0.013	8.873	0.015		0.282	0.015	G	0.32	0.02	H	8.9284	0.0019	0.018	126		8.90	8.97					1							S
73503	9.224	0.012	8.680	0.011		0.491	0.015	G	0.56	0.02	H	8.7357	0.0011	0.012	149		8.71	8.76		C			1							S
73504	7.622	0.006	7.590	0.007		0.034	0.009	T	0.05	0.01	L	7.6140	0.0011	0.014	224		7.59	7.64					1							S
73505	9.803	0.033	9.317	0.032		0.403	0.007	G	0.47	0.01	H	9.4381	0.0027	0.016	52		9.41	9.47		C			1							
73506	8.944	0.012	7.385	0.006		1.308	0.011	T	1.27	0.01	L	7.4029	0.0012	0.012	129		7.38	7.42		C			1							S
73507	6.047	0.003	5.929	0.003		0.107	0.004	T	0.12	0.00	L	5.9561	0.0007	0.006	101		5.95	5.97		C			1 O							S
73508	10.797	0.059	9.190	0.025		1.346	0.051	T	1.31	0.06	L	9.2285	0.0028	0.019	59		9.19	9.26		C			1							
73509	10.775	0.088	10.257	0.097		0.560	0.072	G	0.63	0.07	R	10.1871	0.0057	0.027	38		10.13	10.24					1							
73510	10.385	0.030	9.139	0.018		1.063	0.027	T	1.03	0.02	L	9.2111	0.0018	0.015	109		9.18	9.24		C			1							
73511	10.179	0.036	9.586	0.034		0.554	0.037	T	0.63	0.03	L	9.6412	0.0034	0.022	64		9.60	9.68					1							
73512	10.414	0.045	9.244	0.028		1.043	0.005	G	1.09	0.01	I	9.2647	0.0024	0.019	74		9.24	9.31		C			1							
73513	9.881	0.029	9.166	0.025		0.644	0.029	T	0.71	0.03	L	9.2316	0.0025	0.017	62		9.20	9.25		C			1							
73514	10.064	0.035	8.178	0.014		1.600	0.031	T	2.54	0.05	O	7.9514	0.0034	0.026	67		7.92	7.99		U 2			1 S							
73515	10.127	0.024	8.978	0.016		0.987	0.022	T	0.97	0.02	L	9.0398	0.0019	0.021	145		9.01	9.07					1							S
73516	10.012	0.031	9.669	0.035		0.305	0.020	G	0.35	0.03	H	9.7410	0.0025	0.021	70		9.70	9.77		C			1							
73517	9.956	0.030	8.716	0.018		1.058	0.027	T	1.02	0.02	L	8.7752	0.0018	0.017	77		8.75	8.81		C			1							
73518	8.197	0.014	6.796	0.008		1.196	0.017	G	1.16	0.02	H	6.8386	0.0011	0.007	42		6.82	6.85		C	15016−0310	I 1	1							S
73519	10.025	0.028	9.194	0.022		0.753	0.003	G	0.80	0.00	H	9.2568	0.0026	0.020	84		9.23	9.30		C			1							
73520	7.670	0.006	7.404	0.006		0.229	0.004	G	0.25	0.01	H	7.4478	0.0010	0.011	196		7.43	7.47		C			1							S
73521	10.773	0.057	10.082	0.047		0.638	0.061	T	0.70	0.05	L	10.1512	0.0040	0.026	65		10.10	10.18		C			1							G
73522	6.770	0.005	6.870	0.006		−0.086	0.007	T	−0.07	0.01	L	6.8615	0.0015	0.013	109		6.83	6.88		M			1							S
73523			9.696	0.022	*	0.638	0.155	G	0.49	0.11	L *	9.5236	0.0026	0.015	74	*	9.49	9.55		C	15016−0828	H 1	2 C S B	AB	136	0.189	0.017	0.38	0.51	
73524	10.136	0.031	8.924	0.019		1.036	0.028	T	1.01	0.02	L	8.9498	0.0016	0.015	81		8.91	8.97					1							
73525	9.986	0.024	9.073	0.017		0.810	0.022	T	0.84	0.02	L	9.1373	0.0018	0.021	121		9.11	9.19		C			1							
73526	10.238	0.028	8.621	0.014		1.378	0.026	T	3.34	0.04	O	8.1383	0.0072	0.068	99		8.03	8.37		U 2			1 S							
73527	10.009	0.032	8.860	0.021		0.987	0.030	T	0.97	0.02	L	8.9598	0.0020	0.013	75		8.94	8.98		C			1 S							
73528	8.212	0.013	7.786	0.013		0.402	0.017	T	0.47	0.02	L	7.8339	0.0016	0.012	53		7.82	7.85					1							S
73529	10.408	0.053	9.897	0.052	A	0.480	0.067	T	0.55	0.07	L	10.0466	0.0383	0.086	50	A	9.87	10.12		D	15018+0538	I 2	1 C P D							D
73530	9.623	0.015	9.019	0.014		0.563	0.018	T	0.64	0.02	L	9.0766	0.0019	0.022	175		9.03	9.12					1							S
73531	12.035	0.223	11.099	0.156	B	0.827	0.202	T	0.85	0.15	L	11.3600	0.1117			B				D	15018+0538	I 2	1 C I D							D
73532	9.372	0.021	8.803	0.019		0.536	0.021	T	0.61	0.02	L	8.8337	0.0033	0.016	53		8.79	8.86		C			1							
73533						1.500	0.510	G	1.93	0.56	K	12.4820	0.4650	0.884	9		9.48	12.72	198.80	P 1 B										G Y
73534	10.164	0.037	8.431	0.015	*	1.446	0.032	T	1.44	0.05	L *	8.2250	0.0020	0.018	107	*	8.20	8.25		R	15018−4149	I 1	2 C A	AB	195	0.923	0.002	0.36	0.01	
73535	8.001	0.011	7.744	0.011		0.249	0.015	G	0.28	0.02	H	7.7966	0.0012	0.008	66		7.79	7.81		C			1 G							S
73536	7.667	0.012	5.891	0.007	*	1.509	0.011	T	1.95	0.05	O *	5.7896	0.0022	0.015	44	*	5.77	5.82		U 2	15018−0008	I 1	2 C A	AB	109	0.493	0.004	1.24	0.02	S
73537	10.599	0.039	9.333	0.023		1.079	0.035	T	1.04	0.03	L	9.3755	0.0022	0.018	87		9.34	9.41		C			1							
73538	10.004	0.035	9.551	0.035		0.441	0.039	T	0.51	0.04	L	9.6617	0.0040	0.029	56		9.62	9.72					1							
73539	11.460	0.075	10.553	0.052		0.805	0.068	T	0.83	0.05	L	10.7274	0.0037	0.035	135		10.66	10.80					1							G
73540	6.871	0.005	5.755	0.003		0.962	0.005	T	0.95	0.00	L	5.8098	0.0006	0.006	150		5.80	5.82		C			1							S
73541	10.248	0.041	9.737	0.040		0.480	0.052	T	0.55	0.06	L	9.7487	0.0031	0.019	58		9.71	9.78		C			1							
73542	11.221	0.083	9.485	0.030	B	1.448	0.070	T	1.45	0.11	L	9.4889	0.0091			B				D	15019+1547	I 2	1 C I B							S
73543	10.006	0.029	8.922	0.019	A	0.937	0.027	T	0.93	0.02	L	9.0084	0.0074	0.026	77	A	8.95	9.04		D	15019+1547	I 2	1 C P B							S
73544	9.329	0.027	8.536	0.022		0.719	0.027	T	0.77	0.02	L	8.6291	0.0014	0.015	35		8.60	8.65		D			1							
73545	10.246	0.032	8.914	0.019		1.130	0.029	T	1.09	0.03	L	8.9036	0.0038	0.021	59		8.87	8.96			15019−3819	I 1	1 S							
73546	10.517	0.037	9.925	0.035	A	0.552	0.045	T	0.62	0.04	L	10.0152	0.0176	0.053	96	A	9.94	10.11		D	15019−4715	I 2	1 C P A							G
73547	8.651	0.011	7.822	0.009		0.721	0.003	G	0.77	0.00	H	7.8762	0.0013	0.012	92		7.85	7.89		C			1							
73548	11.517	0.081	9.932	0.033		1.352	0.072	T	1.72	0.17	K	9.9617	0.0030	0.028	104		9.91	10.01					1							
73549	8.703	0.010	8.191	0.009		0.485	0.015	G	0.56	0.02	H	8.2553	0.0016	0.014	137		8.24	8.29					1							S
73550											T	11.7546	0.0779			B				D	15019−4715	I 2	1 C I A							
73551	10.784	0.033	8.957	0.013		1.537	0.030	T	1.59	0.07	L	8.9001	0.0017	0.022	209		8.86	8.94		U			1							
73552	9.842	0.018	9.460	0.019		0.362	0.024	T	0.42	0.03	L	9.5722	0.0018	0.021	145		9.53	9.61		C			1							
73553	9.540	0.026	8.823	0.022		0.645	0.026	T	0.71	0.02	L	8.8505	0.0026	0.014	61		8.83	8.87		C			1							
73554	10.002	0.032	8.872	0.021		0.959	0.015	G	0.95	0.01	H	8.8961	0.0019	0.018	152		8.86	8.93		C			1							
73555	4.697	0.002	3.588	0.002		0.956	0.000	G	0.89	0.03	C	3.6469	0.0003	0.004	139		3.64	3.65					1							S
73556	8.787	0.013	7.657	0.009		0.972	0.012	T	0.96	0.01	L	7.7153	0.0014	0.012	95		7.70	7.74		C			1							
73557	8.582	0.017	7.442	0.011	*	0.980	0.016	T	0.96	0.01	L *	7.5505	0.0012	0.013	80	*	7.52	7.58		D	15019−5155	I 1	2 C A	AB	168	5.410	0.017	2.79	0.05	S
73558	9.795	0.020	9.280	0.019		0.484	0.025	T	0.56	0.03	L	9.3493	0.0027	0.022	100		9.31	9.38		C			1							S
73559	6.513	0.004	6.245	0.006		0.242	0.007	G	0.33	0.03	C	6.2766	0.0010	0.005	59		6.27	6.29					1							S
73560	9.650	0.031	8.988	0.027		0.604	0.031	T	0.67	0.03	L	9.0754	0.0019	0.014	55		9.05	9.10		C			1							
73561	8.790	0.011	8.203	0.010		0.541	0.016	G	0.61	0.02	H	8.2632	0.0015	0.017	151		8.24	8.29		C			1 G							S
73562	11.436	0.107	10.786	0.095		0.576	0.107	G	0.65	0.10	R	10.7396	0.0067	0.034	48		10.67	10.79		C			1							G
73563	8.937	0.019	8.319	0.017		0.575	0.022	T	0.65	0.02	L	8.3860	0.0019	0.019	78		8.36	8.42		C			1							S
73564	10.349	0.031	9.755	0.029		0.554	0.037	T	0.63	0.03	L	9.8650	0.0026	0.022	115		9.82	9.90		C			1							
73565	8.422	0.012	6.852	0.009		1.317	0.012	T	1.28	0.01	L	6.8538	0.0012	0.009	81		6.84	6.87					1							S
73566	6.042	0.004	5.850	0.004		0.164	0.011	G	0.18	0.03	C	5.8857	0.0022	0.012	63		5.87	5.90		M			1 G							S
73567	9.592	0.015	8.028	0.008		1.312	0.013	T	1.27	0.01	L	8.0336	0.0013	0.013	146		8.01	8.06					1							S
73568	6.767	0.005	4.965	0.002		1.506	0.008	G	1.54	0.03	C	4.9265	0.0009	0.007	103		4.92	4.94		M			1							S
73569	10.889	0.058	10.062	0.045		0.745	0.056	T	0.79	0.04	L	10.1302	0.0026	0.023	84		10.09	10.16		C			1 G							
73570	10.207	0.040	9.016	0.026		1.020	0.037	T	0.99	0.03	L	9.0267	0.0032	0.014	55		8.98	9.06					1							
73571	6.608	0.006	6.407	0.006		0.180	0.015	G	0.20	0.02	H	6.4354	0.0009	0.006	75		6.43	6.44		C			1							S
73572	9.558	0.017	9.503	0.022		0.056	0.026	T	0.07	0.02	L	9.5468	0.0023	0.020	147		9.52	9.59		C			1							G
73573	9.797	0.023	8.284	0.013		1.272	0.021	T	1.23	0.02	L	8.3028	0.0018	0.011	63		8.29	8.32		C			1							
73574	8.581	0.015	8.172	0.015		0.358	0.015	G	0.42	0.02	H	8.2516	0.0019	0.016	67		8.22	8.28					1							S
73575	10.361	0.046	8.929	0.024		1.208	0.041	T	1.17	0.04	L	8.9822	0.0033	0.014	40		8.96	9.01					1							
73576	10.229	0.030	8.997	0.018		1.052	0.027	T	1.02	0.02	L	9.0589	0.0022	0.021	106		9.02	9.09					1 S							
73577	9.638	0.017	8.838	0.013		0.724	0.016	T	0.78	0.01	L	8.9013	0.0013	0.016	148		8.87	8.93					1							S
73578	9.136	0.014	7.911	0.009		1.047	0.013	T	1.02	0.01	L	7.9628	0.0011	0.011	132		7.95	7.99		C			1							S
73579	9.479	0.017	7.748	0.008		1.444	0.015	T	1.44	0.02	L	7.7230	0.0012	0.010	107		7.70	7.74		C			1							
73580	9.227	0.018	8.137	0.012		0.942	0.017	T	0.93	0.01	L	8.1977	0.0015	0.015	97		8.18	8.23		C			1							
73581	9.563	0.015	9.033	0.014		0.497	0.018	T	0.57	0.02	L	9.1029	0.0011	0.017	137		9.07	9.14		M			1							
73582	8.818	0.011	8.326	0.011		0.463	0.014	T	0.53	0.01	L	8.3912	0.0014	0.012	115		8.37	8.41		C			1							S
73583	11.572	0.066	10.751	0.053		0.740	0.064	T	0.79	0.04	L	10.7969	0.0045	0.072	185		10.70	10.95		R			1 X							G
73584	9.609	0.018	9.341	0.021		0.255	0.026	T	0.29	0.03	L	9.3690	0.0022	0.021	132		9.34	9.40		C			1							G
73585	10.190	0.037	8.799	0.020		1.176	0.033	T	1.14	0.03	L	8.8394	0.0018	0.019	124		8.81	8.87			15025+4745	I 1	1							S
73586	8.368	0.007	7.269	0.005		0.949	0.007	T	0.94	0.01	L	7.3309	0.0009	0.010	224		7.31	7.35					1							S
73587	6.802	0.006	6.604	0.007		0.180	0.010	G	0.20	0.01	H	6.6450	0.0008	0.006	69		6.63	6.66		C			1							S
73588	9.471	0.017	7.991	0.010		1.246	0.015	T	1.20	0.01	L	8.0101	0.0019	0.013	87		7.99	8.04		C			1							
73589	8.500	0.008	6.857	0.007		1.400	0.009	T	2.95	0.02	O	6.5177	0.0040	0.071	216		6.42	6.61		U 2			1 S							S
73590	9.056	0.014	7.358	0.007		1.418	0.012	T	1.40	0.02	L	7.3487	0.0010	0.010	106		7.33	7.37					1							S
73591	11.263	0.054	10.548	0.046		0.657	0.057	T	0.72	0.05	L	10.6777	0.0040	0.032	121		10.61	10.73		C			1							G
73592	8.953	0.017	8.428	0.016		0.493	0.021	T	0.57	0.02	L	8.4906	0.0025	0.014	52		8.46	8.52		C			1							S
73593	7.751	0.009	7.077	0.007		0.599	0.013	G	0.67	0.07	F	7.1401	0.0010	0.008	91		7.13	7.15		C			1							S
73594	10.944	0.065	10.254	0.058		0.790	0.003	G	0.83	0.00	H	10.2438	0.0043	0.026	55		10.20	10.28		C			1							
73595	8.755	0.011	8.307	0.011		0.423	0.014	T	0.49	0.01	L	8.3650	0.0028	0.025	104		8.33	8.40	0.98	P 1 A			1							
73596	9.963	0.019	9.422	0.018		0.507	0.023	T	0.58	0.02	L	9.4578	0.0029	0.026	123		9.40	9.51					1							
73597	9.754	0.018	9.365	0.019		0.380	0.022	T	0.44	0.02	L	9.4115	0.0021	0.021	140		9.38	9.45		C			1							
73598	9.000	0.013	8.944	0.017		0.116	0.015	G	0.13	0.01	H	8.9682	0.0023	0.018	105		8.93	9.00		C			1							
73599	11.636	0.078	11.170	0.089		0.439	0.108	T	0.51	0.11	L	11.0330	0.0045	0.039	114		10.96	11.11		C			1							G
73600	9.794	0.021	9.146	0.019		0.601	0.024	T	0.67	0.02	L	9.1851	0.0014	0.017	106		9.15	9.22					1							

Number	Descriptor: epoch J1991.25					Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V			α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	$\mu_{\alpha*}$	μ_δ	π	$\mu_{\alpha*}$	μ_δ	$\mu_{\alpha*}$	μ_δ	$\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag			deg	deg		mas	mas/yr		mas		mas	mas/yr		$\alpha*$	$\alpha*$	δ	$\alpha*$	δ	π	$\alpha*$	δ	π	$\mu_{\alpha*}$		%	
1 2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
73601	15 02 39.91	−04 33 52.1	9.05		G	225.666 281 75	−04.564 481 11		4.64	17.21	−1.17	1.34	0.79	1.33	1.45	0.89	−45	−19	+ 5	+46	−28	+17	−21	− 6	− 3	−32	0	−0.11
73602	15 02 40.79	−29 00 17.5	8.75		H	225.669 959 26	−29.004 852 57		6.00	−47.61	−9.73	1.24	0.85	1.40	1.39	1.06	+ 8	−39	−39	+23	− 4	+ 6	− 4	+18	+ 5	− 8	0	1.00
73603	H 15 02 41.84	−67 18 39.1	9.35	2	H	225.674 336 70	−67.310 871 64	A	3.05	−1.83	−1.53	1.01	1.44	2.08	1.06	1.63	+40	− 6	+ 0	− 3	+ 6	−26	+ 7	+19	−29	+45	1	0.29
73604	15 02 42.67	−25 05 18.8	8.40	2	H	225.677 779 42	−25.088 563 06		0.54	−5.43	−1.09	1.37	0.88	1.42	2.17	1.36	+ 8	− 2	−29	−32	−26	− 9	−35	+ 6	−30	+38	0	1.54
73605	15 02 43.90	−48 32 11.8	9.34		H	225.682 936 93	−48.536 609 59		2.18	−17.69	−2.47	1.04	1.02	1.55	1.32	1.46	−28	−14	−17	+ 1	+ 3	−39	− 4	+14	+11	−37	0	−0.68
73606	15 02 44.49	−18 26 40.2	9.13		H	225.685 366 97	−18.444 508 49		5.63	−50.97	−20.92	1.11	0.83	1.52	1.48	1.57	−38	−12	−31	+22	+ 1	−15	−12	−20	+50	−53	0	0.04
73607	15 02 44.70	+18 10 21.2	11.27		G	225.686 254 15	+18.172 551 37		8.82	162.47	−211.25	2.69	1.77	3.21	3.42	2.86	+42	−35	−36	−36	−30	− 2	−38	−33	+27	−10	5	1.49
73608	15 02 44.90	−03 01 52.8	6.60		G	225.687 073 11	−03.031 327 67		10.68	−48.99	−24.75	0.87	0.62	0.96	0.93	0.64	−14	−36	−21	+29	−18	+17	− 6	+10	−14	−19	0	1.61
73609	H 15 02 44.95	−63 41 12.4	8.61		H	225.687 297 89	−63.686 784 00	A	1.73	−2.17	−11.65	1.28	1.35	1.88	1.29	1.52	+38	−26	−15	+27	+ 6	−15	+ 4	+33	− 3	+43	2	1.22
73610	15 02 45.24	+20 26 27.7	8.94		H	225.688 504 80	+20.441 029 94		2.28	−15.90	−4.97	0.76	0.79	1.17	0.97	0.99	−18	−17	−28	+ 0	+10	− 3	+ 8	−10	− 4	−45	0	1.00
73611	15 02 45.63	−21 49 48.4	8.86		H	225.690 129 59	−21.830 105 81		12.38	−118.73	4.79	1.01	0.70	1.18	1.18	0.97	−34	− 4	−25	+ 9	−21	+21	−19	+13	−16	−22	4	2.04
73612	15 02 46.08	+37 54 36.6	10.25	2	H	225.691 983 48	+37.910 156 99		0.98	32.64	−17.48	0.96	1.00	1.37	1.13	1.13	+20	− 9	−11	+ 7	+ 7	−25	+ 6	+22	− 8	+18	1	2.23
73613	15 02 46.77	−15 03 00.3	8.40		H	225.694 861 41	−15.050 085 16		3.84	−5.62	−3.77	0.98	0.66	1.07	1.34	0.86	−32	−15	− 9	+14	−25	+ 3	−22	+ 0	+ 7	−17	0	−0.39
73614	15 02 49.17	+07 54 43.0	8.33		G	225.704 890 60	+07.911 946 22		12.73	−28.00	−29.73	1.17	0.86	1.19	1.43	0.98	+18	−37	−28	+21	+ 5	−13	+ 6	+23	−14	+21	6	1.44
73615	15 02 51.50	−10 23 32.3	7.63		H	225.714 594 47	−10.392 305 43		5.13	39.04	−19.53	1.01	0.77	1.28	1.75	1.00	−22	+14	−44	−29	− 5	−27	− 7	−45	+34	+ 2	0	0.53
73616	15 02 51.82	−61 48 44.2	9.93		H	225.715 919 49	−61.812 290 68		0.14	−7.61	−0.57	1.24	1.13	1.87	1.66	1.81	+21	−25	−11	− 5	+ 9	−32	+ 5	−21	+14	+14	0	0.63
73617	15 02 52.87	+01 37 03.7	8.93		G	225.720 305 06	+01.617 707 00		7.19	−28.92	78.53	1.32	1.38	1.80	1.52	1.60	−18	−33	−50	+31	−14	− 3	−18	+21	+ 3	−56	0	−1.41
*73618	15 02 53.10	+56 22 08.0	9.53		H	225.721 267 01	+56.368 882 62		9.30	15.75	84.38	0.83	0.73	0.92	0.82	0.79	+ 3	− 1	+ 3	−19	− 9	−13	− 5	+ 4	− 2	−16	0	−0.54
*73619	15 02 53.01	+10 40 02.6	9.11		H	225.720 876 95	+10.667 376 02		1.17	−43.26	32.68	0.96	0.85	1.25	0.91	1.01	−52	−27	+ 2	−20	− 6	+20	−20	−16	+18	−50	0	−0.70
73620	15 02 54.07	+02 05 28.6	4.39		H	225.725 291 60	+02.091 271 29		17.78	−55.93	12.94	1.11	0.67	0.90	1.19	0.79	+15	−33	− 5	+67	+25	+ 0	+31	+35	− 6	+25	4	0.64
73621	15 02 56.72	+13 58 44.0	10.73		H	225.736 314 29	+13.978 888 12		4.66	12.30	11.48	1.63	1.46	2.08	1.92	1.90	−14	−13	−13	−25	−28	+ 5	−27	+ 4	+23	−30	0	−0.07
73622	15 02 57.43	−47 56 31.1	6.86		H	225.739 280 07	−47.941 962 63		1.99	−7.21	−9.35	0.59	0.57	0.81	0.62	0.71	−31	−19	−10	− 8	+ 7	−33	+ 3	+ 2	+ 7	−38	0	0.46
73623	15 02 58.80	+65 46 42.9	7.33		H	225.744 998 83	+65.778 582 07		24.91	72.65	−125.75	0.49	0.52	0.55	0.49	0.59	+14	−19	−12	−13	−15	− 5	−18	−10	+10	+ 1	0	0.57
73624	15 02 59.29	−32 38 35.7	5.45		H	225.747 043 41	−32.643 246 05		9.32	−21.05	−19.66	0.71	0.54	0.84	0.67	0.64	−15	−35	−18	−10	+10	+ 3	− 9	+ 7	− 6	−23	0	0.93
73625	15 03 00.52	−61 44 43.2	9.49		H	225.752 185 16	−61.745 334 53		0.50	−1.94	−1.72	1.05	0.92	1.49	1.39	1.50	+16	−19	+ 0	− 4	+ 6	−24	+ 7	−24	+12	+11	0	0.21
73626	15 03 00.66	+08 41 08.0	11.39		G	225.752 762 52	+08.685 559 30		6.80	−14.65	−510.52	2.59	1.98	2.57	2.86	2.08	+ 5	−17	−17	+28	+11	− 6	+13	+17	−18	+ 5	0	−0.79
73627	15 03 00.77	+38 51 57.1	8.66		H	225.753 229 03	+38.865 853 85		3.81	−38.18	17.84	0.70	0.76	0.99	0.82	0.89	+20	+ 5	+ 6	+ 7	−11	−11	−10	+15	+ 3	+14	0	−2.26
73628	15 03 00.84	+47 43 52.7	8.51		H	225.753 486 69	+47.731 318 45		9.50	−55.08	1.59	0.62	0.65	0.77	0.86	0.74	+ 5	+14	+ 1	+ 6	+ 4	+ 0	+ 1	+23	−17	+ 5	0	0.30
73629	15 03 01.53	+23 59 22.1	8.59		H	225.756 369 21	+23.989 462 39		2.58	−16.93	−2.67	0.83	0.71	1.05	0.97	0.90	+ 2	−19	−13	+29	+ 3	−11	+ 1	+15	−13	−22	0	−0.10
73630	H 15 03 01.92	−50 46 11.5	10.12		H	225.757 998 11	−50.769 851 80	A	−0.12	−10.92	−5.64	2.22	2.25	2.52	2.73	2.50	+ 4	− 1	−25	+42	+13	+ 0	+18	− 1	+19	+ 9	0	−0.22
73631	15 03 03.82	−46 17 37.7	9.87		G	225.765 911 60	−46.293 797 66		40.22	−299.32	−9.08	1.17	1.03	1.54	1.59	1.39	−10	+ 5	−21	+29	+ 8	+18	+13	+29	− 6	+ 0	0	0.97
73632	15 03 05.07	+19 05 21.8	8.66		G	225.771 124 12	+19.089 398 67		0.87	18.65	−25.30	0.63	0.74	1.21	0.86	1.06	−29	+ 7	−38	+21	+12	−12	+ 1	−13	+13	−55	1	2.50
73633	H 15 03 06.03	−41 59 31.4	8.98	1	G	225.775 124 25	−41.992 066 98	A	41.07	109.91	−202.53	1.99	1.42	2.11	3.07	2.25	−37	+23	− 5	−13	+ 4	−14	− 4	+ 5	−12	+26	0	0.58
73634	15 03 06.08	+35 12 20.8	5.52		H	225.775 348 28	+35.205 772 88		11.85	−39.95	9.30	0.37	0.42	0.60	0.43	0.48	+18	− 5	−15	− 3	− 7	−12	− 9	− 3	+ 4	+12	1	1.79
73635	15 03 06.37	+28 16 02.0	7.04		H	225.776 538 25	+28.267 235 84		7.54	13.33	4.38	0.58	0.47	0.79	0.82	0.66	−10	−11	−23	+18	+17	−37	+ 3	− 1	+10	−55	0	0.18
73636	15 03 06.43	−17 37 58.3	6.93		H	225.776 773 64	−17.632 851 78		8.16	32.53	−40.27	0.83	0.64	1.05	1.12	1.16	−35	−18	−32	+38	− 8	−25	−25	+ 3	+41	−65	0	−1.14
73637	15 03 06.63	+44 38 39.9	6.59		H	225.777 624 33	+44.644 428 78		17.45	−88.83	36.86	0.56	0.53	0.67	0.80	0.99	+10	−22	−12	+10	+25	− 7	+30	+17	−30	+35	0	−0.32
73638	15 03 08.09	−12 51 27.4	7.69		H	225.783 712 01	−12.857 618 95		6.31	−3.36	−4.08	0.79	0.55	0.91	0.89	0.62	−18	−22	−29	+28	−14	+23	− 6	+ 3	− 2	−25	0	1.63
73639	15 03 08.84	−42 36 51.5	10.00		G	225.786 819 45	−42.614 300 59		21.19	−280.17	−275.67	1.36	1.09	1.96	2.07	1.80	−40	+ 2	− 6	+ 4	+14	−27	+13	+ 4	−24	+ 3	2	1.67
73640	15 03 09.03	−38 06 32.6	9.03		H	225.787 615 77	−38.109 042 87		3.26	−21.82	−21.06	1.14	1.00	1.39	1.27	1.14	− 9	−14	−13	− 5	+ 9	−11	+ 3	− 8	+26	− 3	0	0.13
73641	15 03 09.53	+07 40 17.9	9.38		H	225.789 711 55	+07.671 629 20	A	15.32	−69.37	−15.66	6.97	4.02	4.79	6.91	4.58	+25	−56	−30	+11	− 6	− 8	−10	+21	+ 6	+ 2	8	1.10
73642	15 03 09.66	+07 40 31.2	10.53		H	225.790 267 94	+07.675 320 51	B	1.12	−89.73	−24.23	23.33	14.24	13.32	22.65	13.36	+27	−57	−36	+ 3	− 4	−16	−17	+ 6	+16	− 9	8	1.10
73643	15 03 10.17	+43 11 15.0	9.82	2	H	225.792 372 44	+43.187 492 87		1.25	−11.20	−6.89	0.90	0.84	1.10	1.03	1.03	+22	+ 1	+ 2	− 6	− 7	− 1	− 7	−10	+ 6	+12	0	0.72
73644	15 03 10.45	+52 08 25.0	8.47		H	225.793 543 79	+52.140 270 49		3.19	0.53	25.07	0.68	0.66	0.84	0.68	0.70	+22	−30	−22	−12	− 7	+ 5	− 9	−14	+11	− 2	0	0.31
73645	15 03 13.00	−70 47 13.5	7.54		H	225.804 176 38	−70.787 073 51		7.82	17.41	−4.76	0.52	0.62	0.82	0.57	0.72	+27	−29	− 8	+ 3	− 6	+ 1	− 2	+ 8	−14	+39	0	−0.29
73646	15 03 13.03	+17 58 32.4	7.21		H	225.804 292 89	+17.975 658 79		6.44	8.63	−2.39	0.83	0.62	0.98	1.14	0.91	+14	−11	− 3	−26	−16	−16	−19	−30	+ 5	−15	0	−0.58
73647	15 03 14.96	−56 45 25.7	8.67		H	225.812 313 19	−56.757 142 69		2.25	−6.39	−7.37	0.82	0.76	1.08	1.07	1.00	+14	−22	− 1	+39	+35	+ 0	+34	+ 6	+ 8	+23	0	0.00
73648	15 03 15.62	−44 14 49.5	9.55		H	225.815 077 42	−44.247 086 65		0.61	−10.54	0.21	1.11	0.90	1.43	1.47	1.19	−21	− 7	+ 6	+39	+19	+17	+27	+12	+25	+24	2	0.67
73649	15 03 17.15	−17 35 42.8	11.77		H	225.821 472 79	−17.595 212 95		25.24	−272.64	−32.12	3.88	2.75	5.26	4.96	5.35	−27	−48	−23	+46	− 3	−52	−40	+ 5	+56	−74	0	−1.35
73650	15 03 18.16	−36 55 25.2	7.77		G	225.825 647 71	−36.923 660 10		21.34	−7.07	−394.01	0.79	0.70	0.94	0.87	0.83	− 8	−11	−21	+17	− 2	− 1	− 2	+18	− 1	− 7	3	0.09
73651	15 03 18.27	+46 46 52.8	9.35		H	225.826 122 07	+46.781 326 34		8.65	−50.12	6.27	0.87	0.81	1.02	1.01	0.96	+20	+14	+ 8	+ 1	− 5	−15	− 6	+17	−16	+22	0	0.74
73652	15 03 20.44	+04 50 02.9	7.64		G	225.835 157 19	+04.834 142 41		4.09	16.85	−3.97	0.96	1.07	1.27	1.35	1.34	−11	+ 0	−58	+18	−19	+11	−16	+55	−42	− 8	0	−0.84
73653	15 03 20.87	−41 16 17.5	7.40	1	H	225.836 975 82	−41.271 521 68		0.60	−0.20	−2.58	0.81	0.59	1.02	0.90	1.03	−47	− 2	−12	−14	+ 4	−34	−10	+ 4	+ 7	−39	0	−1.77
73654	15 03 21.64	+56 02 07.0	6.86		H	225.840 168 57	+56.035 272 38		7.51	−6.57	−78.09	0.46	0.45	0.55	0.45	0.45	− 5	− 6	− 1	−11	− 4	−12	− 2	+ 0	− 1	−22	0	−1.00
73655	15 03 22.40	+00 53 23.0	6.91		H	225.843 337 40	+00.889 709 87		4.86	−21.27	−25.90	0.96	0.87	1.17	1.14	1.31	−27	−37	−23	+41	− 1	−31	−23	+ 8	+39	−64	3	0.26
73656	15 03 24.41	+07 03 37.0	9.55		H	225.851 720 21	+07.060 278 86		3.39	1.44	−16.37	2.16	1.36	1.71	3.29	1.77	+24	−29	+ 2	+66	+37	−23	+52	+25	−23	+59	0	0.12
73657	15 03 24.70	+33 34 16.1	8.08		G	225.852 897 95	+33.571 151 97		5.16	9.46	3.25	0.45	0.55	0.79	0.50	0.63	+ 9	−10	− 7	+ 2	+ 0	− 5	+ 1	+ 4	− 4	− 5	0	−0.63
*73658	15 03 26.01	−43 05 21.6	8.57		H	225.858 355 58	−43.089 340 76		1.88	4.18	28.89	0.84	0.78	1.22	1.01	1.06	−49	−17	− 6	+ 3	+13	−31	+14	+ 3	−10	−29	0	−0.33
*73659	15 03 25.95	+62 38 49.4	9.99		H	225.858 106 50	+62.647 046 01		20.82	−51.95	−117.39	0.98	1.07	1.12	1.18	1.52	+11	+11	− 4	− 5	+ 0	+10	− 1	−14	− 3	− 3	0	0.92
73660	15 03 26.17	−29 02 51.7	8.74		H	225.859 048 91	−29.047 691 31		3.49	−23.55	−2.29	1.06	0.80	1.21	1.24	0.94	− 2	−27	−31	+19	+ 5	+ 8	+ 8	+ 7	+ 3	− 5	0	0.55
73661	15 03 26.75	+60 01 32.1	6.69		H	225.861 445 01	+60.025 587 11		4.92	−14.92	−2.33	0.48	0.51	0.55	0.50	0.59	+ 7	− 4	−10	−10	+ 9	−13	+ 9	−10	− 2	+ 6	0	0.63
73662	15 03 27.28	+25 25 37.8	9.71	2	H	225.863 678 22	+25.427 179 85		0.46	−5.61	−12.79	1.06	0.90	1.46	1.34	1.17	+ 6	−17	− 9	+18	+19	−34	+11	−16	−11	−19	0	−1.40
73663	15 03 28.15	+35 55 29.0	9.56		H	225.867 288 46	+35.924 723 56		−0.99	7.98	2.60	0.75	0.92	1.16	0.87	1.03	+22	− 4	−14	− 3	− 4	+ 3	− 4	+ 3	+14	+11	0	1.22
73664	15 03 28.49	−03 10 05.8	8.59		H	225.868 726 86	−03.168 278 13		6.04	−55.69	−9.10	1.17	0.95	1.52	1.39	0.93	−14	−33	−39	+13	−17	+29	− 4	− 3	+ 0	−21	0	1.47
73665	15 03 30.21	+45 39 15.4	9.00		H	225.875 856 82	+45.654 283 81		5.06	−26.33	18.76	0.74	0.79	0.94	0.96	0.99	+11	+12	+ 1	+13	− 6	+ 6	− 7	− 4	− 7	+ 8	0	−1.03
73666	15 03 31.95	−31 22 34.2	7.94		G	225.883 117 22	−31.376 161 51		7.31	−26.49	−27.65	0.93	0.71	1.13	1.09	0.90	− 5	−28	−33	+ 5	−16	+22	−11	+10	+ 4	−14	0	−0.14
73667	H 15 03 32.00	−40 35 22.8	8.82		H	225.883 349 65	−40.589 658 37	A	4.81	−17.11	−15.09	2.70	3.19	2.03	1.89	2.63	−14	−16	−10	+12	−15	− 4	−30	+21	− 4	−51	2	−0.75
73668	15 03 32.66	+46 09 53.3	9.30		H	225.886 098 03	+46.164 799 87		6.59	12.84	−17.45	0.81	0.82	1.01	1.05	1.03	+18	+ 7	+18	− 2	−11	−18	+10	+ 7	+18	−29	3	−0.08
73669	15 03 32.67	−44 35 13.8	11.38		H	225.886 140 55	−44.587 168 98		−5.43	−14.03	27.53	2.03	1.73	2.72	2.24	1.98	−26	−25	+ 0	+ 4	+17	−10	+17	− 3	+ 4	+ 7	2	−0.46
73670	15 03 33.66	−16 35 31.7	7.79		H	225.890 245 08	−16.592 135 99		3.91	11.39	−24.87	1.00	0.69	1.24	1.24	1.12	−34	−34	−17	+10	− 2	−19	−18	−16	+36	−43	0	−0.66
73671	15 03 34.44	+82 49 28.5	7.63		H	225.893 497 94	+82.824 589 41		3.03	11.37	−7.03	0.89	0.95	1.01	0.89	1.12	+ 4	−16	−16	− 5	− 2	− 6	+ 1	+25	− 6	− 6	1	
73672	15 03 34.66	−35 56 34.1	6.65		H	225.894 400 30	−35.942 799 04		8.97	−5.79	15.68	0.70	0.62	0.84	0.74	0.76	−16	−30	−10	+ 6	− 8	− 1	− 5	+15	−12	−19	0	0.61
73673	15 03 34.90	+15 25 18.0	8.09		G	225.895 425 87	+15.421 657 29		9.84	−53.76	21.03	0.83	0.64	1.07	0.96	0.95	− 6	−25	− 4	− 9	−20	+10	−21	+ 5	+ 8	−38	0	−0.58
73674	H 15 03 35.70	−27 50 26.4	7.66	2	H	225.898 763 30	−27.840 657 09	B	21.13	159.27	−138.55	5.00	3.18	1.74	1.84	1.57	+42	+ 6	− 6	+ 0	+ 3	−32	+ 3	− 4	+25	−27	0	0.65
73675	15 03 36.50	+34 33 57.0	6.59		H	225.902 072 34	+34.565 824 47		6.59	−7.19	−26.06	0.41	0.48	0.68	0.55	0.62	+26	− 2	−13	+ 6	+ 4	−18	+ 1	+10	− 4	+38	1	0.91
73676	15 03 36.90	−07 34 16.9	7.49	2	H	225.903 763 59	−07.571 364 26		0.61	4.53	1.66	0.94	0.69	1.20	1.09	0.96	−29	−41	−25	+12	+ 2	−10	−17	−43	+41	−43	0	0.21
73677	15 03 36.92	+44 59 22.6	8.85		G	225.903 814 64	+44.989 619 45		18.21	−184.66	307.14	0.77	0.68	0.92	0.90	0.85	+18	−22	−10	+13	+ 7	+ 4	+10	+ 5	−12	+11	0	−0.99
73678	15 03 38.00	+03 44 53.6	8.32		H	225.908 347 06	+03.748 232 35		−0.43	−6.55	−11.06	1.23	1.03	1.43	1.73	1.30	+15	−39	−37	+18	+ 3	−13	+ 6	+40	−29	+30	0	2.42
73679	15 03 38.05	−24 35 46.1	10.24		H	225.908 549 73	−24.596 149 05		4.91	28.33	−7.07	1.71	1.34	2.08	2.70	1.87	−15	+ 5	−30	− 2	−12	+23	− 7	+ 4	−19	+ 7	0	0.37
73680	15 03 38.76	+82 20 55.9	8.73		H	225.911 491 19	+82.348 850 01		2.60	−9.60	−19.85	0.68	0.73	0.78	0.84	0.84	− 6	+ 9	−28	+27	− 9	+17	− 5	+32	−17	−20	3	0.17
73681	15 03 38.86	+41 24 25.8	9.24		H	225.911 917 14	+41.407 153 16		4.00	6.15	−10.35	0.72	0.85	1.07	0.80	0.99	+15	− 4	−11	+ 3	−11	+ 8	−12	− 4	+24	+ 2	0	−1.30
73682	15 03 39.29	−29 50 53.4	8.64		H	225.913 717 89	−29.848 157 08		3.07	−19.54	0.19	1.23	0.86	1.41	1.63	1.11	+16	−23	−46	−13	−20	+12	−20	− 1	+14	+10	0	0.77
73683	15 03 40.40	+02 23 10.7	8.78		G	225.918 335 35	+02.386 304 59		3.07	−27.24	−0.16	1.39	1.10	1.31	1.70	1.29	+ 9	−13	−17	+55	+24	+ 9	+30	+26	− 4	+21	0	2.21
73684	15 03 40.67	+59 32 24.8	8.49		H	225.919 470 95	+59.540 217 09		7.61	−21.49	74.31	0.58	0.71	0.72	0.64	0.83	+ 5	−19	−18	+ 3	+ 7	− 7	+ 7	+ 6	− 7	− 3	1	1.05
73685	15 03 41.53	−66 10 31.2	8.18		H	225.923 028 49	−66.175 338 05		6.08	11.57	−7.58	0.45	0.66	0.93	0.50	0.79	+24	+ 1	+ 3	−25	+16	− 4	+ 5	+23	− 3	+47	0	−0.59
73686	15 03 42.79	+14 00 25.5	9.98		H	225.928 291 52	+14.007 072 68		21.77	20.39	−394.15	1.45	1.31	1.76	1.58	1.61	−21	−14	−12	−26	−31	+ 7	−33	+ 4	+18	−32	0	−0.40
73687	H 15 03 43.46	−35 21 30.7	9.35		H	225.931 076 04	−35.358 524 18	A	9.89	−0.44	−78.31	1.97	1.50	1.98	1.79	1.54	+ 7	−30	−25	−13	− 4	− 1	− 3	− 6	− 1	+12	0	−0.11
73688	15 03 44.22	+12 29 40.1	9.15		H	225.934 237 85	+12.494 476 06		1.48	−1.64	−51.72	1.01	0.90	1.43	1.16	1.22	−21	−29	−18	−16	−28	+30	−34	− 3	+25	−27	0	−0.05
*73689	15 03 44.52	+79 11 16.3	8.98		H	225.935 506 37	+79.187 868 06		5.02	−36.34	13.38	0.84	0.80	0.88	0.78	0.89	− 1	−27	−18	−45	+ 5	+ 6	+12	−13	−16	−12	1	0.82
*73690	15 03 44.48	−03 35 58.3	9.94		G	225.935 322 40	−03.599 514 08		4.11	12.17	−4.53	1.38	1.00	1.55	1.66	1.10	−33	−13	−22	+26	−16	+24	− 5	+15	− 6	+27	0	−0.10
73691	15 03 44.55	+11 41 09.3	10.38		H	225.935 636 93	+11.685 920 52		2.56	−43.24	47.21	1.34	1.24	1.80	1.46	1.68	−46	−27	−10	+ 6	−35	+22	−42	+17	+24	−48	0	−0.20
73692	15 03 45.15	−16 20 49.1	9.67		G	225.938 139 03	−16.346 967 03		1.90	−0.06	1.89	1.36	0.89	1.74	1.71	1.37	−34	−24	−19	+ 7	− 5	+ 2	−12	−22	+38	−30	0	−0.93
73693	15 03 46.34	−53 57 30.1	8.53		H	225.943 070 67	−53.958 373 09		2.05	12.11	3.99	0.87	0.76	1.23	1.12	1.11	− 2	−22	−17	− 3	+13	−22	+ 6	−13	+19	− 1	0	−0.06
73694	15 03 47.19	−26 36 51.8	10.03		G	225.946 625 14	−26.614 386 95		−0.25	−10.38	−6.82	1.61	1.10	1.75	1.98	1.44	+ 4	−32	−31	−23	−26	+13	−27	+ 7	− 3	+ 9	0	−1.34
73695	H 15 03 47.68	+47 39 14.5	4.83	2	G	225.948 674 17	+47.654 014 09	A	78.39	−436.24	18.94	1.01	1.05	1.03	1.20	1.17	+12	+ 2	+ 3	+22	− 3	− 1	+ 2	+ 2	−15	+31	28	3.02
73696	15 03 48.35	−29 13 39.3	10.30		H	225.951 446 06	−29.227 591 99		6.60	−51.49	−16.87	1.65	1.20	1.92	1.95	1.40	+ 4	−34	−29	− 3	− 3	+18	+ 1	− 6	+ 6	+ 7	0	2.17
73697	15 03 48.58	−70 02 13.8	8

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
73601	9.346	0.023	9.135	0.027		0.238	0.020	G	0.27	0.03	H	9.1380	0.0013	0.014	64		9.12	9.16		C			1							
73602	9.395	0.019	8.803	0.018		0.553	0.019	T	0.63	0.02	L	8.8753	0.0021	0.016	69		8.85	8.90		C			1							
73603	9.336	0.012	9.336	0.016	A	0.101	0.164	G	0.01	0.02	L *	9.3538	0.0029	0.035	217	*	9.30	9.42		U	15027−6719	H 1	2 C D	AB	357	1.175	0.084	3.79	0.22	D
73604	10.943	0.093	8.703	0.026		1.500	0.040	G	1.63	0.16	K	8.5085	0.0083	0.039	50		8.45	8.56		U 2			1 S							P
73605	9.817	0.025	9.395	0.026		0.390	0.015	G	0.46	0.02	H	9.4302	0.0032	0.025	87		9.37	9.47					1							
73606	9.936	0.031	9.202	0.026		0.658	0.031	T	0.72	0.03	L	9.2652	0.0022	0.015	74		9.24	9.29		C			1							
73607						1.010	0.020	G	1.05	0.02	I	11.4065	0.0062	0.057	97		11.29	11.48		R	15028+1811	I 1	1							G
73608	6.834	0.008	6.624	0.006		0.201	0.003	G	0.23	0.03	C	6.6605	0.0010	0.007	45		6.65	6.67					1							S
73609	9.125	0.020	8.390	0.034	*	0.673	0.031	T	0.73	0.03	L *	8.7497	0.0014	0.022	206	*	8.72	8.78		D	15028−6341	I 1	2 C A	AB	39	1.387	0.006	0.90	0.02	
73610	10.863	0.038	9.092	0.015		1.476	0.032	T	1.49	0.05	L	9.0721	0.0028	0.021	127		9.04	9.10					1							
73611	9.757	0.026	8.943	0.021		0.719	0.026	T	0.77	0.02	L	9.0029	0.0017	0.011	85		8.98	9.02					1							
73612	10.502	0.029	10.285	0.038		0.207	0.045	T	0.23	0.05	L	10.3197	0.0037	0.049	145		10.27	10.64	0.91	P 1 A			1 S							
73613	8.502	0.012	8.419	0.014		0.082	0.017	T	0.09	0.02	L	8.4353	0.0012	0.009	69		8.42	8.46					1							S
73614	8.826	0.016	8.394	0.016		0.435	0.015	G	0.50	0.02	H	8.4240	0.0021	0.013	52		8.39	8.46		C			1							S
73615	9.082	0.018	7.754	0.011		1.109	0.020	G	1.07	0.02	H	7.7957	0.0015	0.010	60		7.78	7.81		C			1							S
73616	10.094	0.024	9.865	0.030		0.218	0.036	T	0.24	0.04	L	9.9922	0.0038	0.032	134		9.94	10.05					1							G
73617	9.467	0.027	8.962	0.026		0.459	0.004	G	0.53	0.00	H	9.0335	0.0023	0.014	40		8.99	9.06					1							
73618	10.230	0.030	9.538	0.027		0.639	0.033	T	0.70	0.03	L	9.6600	0.0023	0.020	106		9.63	9.70		C	15029+5622	I 1	1							
73619	9.668	0.015	9.169	0.015		0.469	0.019	T	0.54	0.02	L	9.2109	0.0013	0.016	152		9.18	9.24		C			1							S
73620	5.739	0.005	4.514	0.004		1.026	0.040	G	1.04	0.02	A	4.5583	0.0008	0.005	36		4.55	4.57					1							S
73621	11.380	0.079	10.879	0.085		0.560	0.072	G	0.63	0.07	R	10.8512	0.0049	0.035	82		10.79	10.92		C			1							G
73622	8.876	0.015	7.041	0.007		1.526	0.013	T	1.57	0.02	L	6.9780	0.0016	0.011	90		6.96	7.00					1							S
73623	7.987	0.007	7.390	0.007		0.574	0.003	G	0.65	0.00	H	7.4521	0.0009	0.010	125		7.44	7.47					1							S
73624	5.285	0.005	5.415	0.004		−0.127	0.003	G	−0.12	0.00	H	5.4085	0.0013	0.010	55		5.40	5.43			15030−3239	I 1	1							S
73625	9.528	0.017	9.472	0.023		0.056	0.027	T	0.07	0.02	L	9.5112	0.0025	0.027	130		9.47	9.56					1							G
73626						0.796	0.004	G	0.84	0.00	H	11.5407	0.0061	0.044	59		11.41	11.64					1							G
73627	9.817	0.018	8.764	0.013		0.914	0.017	T	0.91	0.01	L	8.8214	0.0019	0.020	147		8.78	8.86					1							S
73628	9.520	0.021	8.644	0.016		0.782	0.020	T	0.82	0.01	L	8.6628	0.0017	0.017	124		8.63	8.70					1							S
73629	10.230	0.024	8.722	0.013		1.268	0.021	T	1.23	0.02	L	8.7468	0.0019	0.019	116		8.72	8.78		C			1							
73630	10.644	0.050	10.164	0.051	*	0.452	0.065	T	0.52	0.07	L *	10.2223	0.0041	0.039	79	*	10.15	10.28			15030−5046	H 1	2 C D	AB	10	0.569	0.058	2.93	0.22	G D
73631	11.578	0.092	9.927	0.033		1.188	0.003	G	1.35	0.02	A	9.9938	0.0036	0.029	100		9.93	10.06					1 S							G
73632	9.015	0.012	8.717	0.013		0.317	0.015	G	0.37	0.02	H	8.7333	0.0018	0.021	142		8.71	8.78					1 S							S
73633	10.444	0.039	9.130	0.021	A	1.145	0.003	G	1.24	0.00	I *	9.0923	0.0030	0.025	113	*	9.05	9.14		U	15031−4200	I 1	2 C D	AB	10	4.196	0.036	3.28	0.20	D
73634	6.824	0.003	5.629	0.003		1.023	0.003	T	1.00	0.00	L	5.6865	0.0005	0.005	163		5.67	5.70		C			1							S
73635	7.177	0.005	7.056	0.006		0.120	0.015	G	0.13	0.01	H	7.0898	0.0009	0.009	130		7.07	7.11					1							S
73636	8.212	0.010	7.049	0.006		0.998	0.009	T	0.98	0.01	L	7.0992	0.0008	0.008	81		7.09	7.11		D			1							S
73637	7.123	0.004	6.646	0.004		0.449	0.005	T	0.52	0.01	L	6.6930	0.0006	0.007	141		6.68	6.71					1 G							S
73638	7.747	0.009	7.691	0.012		0.056	0.014	T	0.07	0.01	L	7.7154	0.0012	0.009	70		7.70	7.73					1							S
73639	11.449	0.080	10.064	0.036		1.171	0.007	G	1.28	0.01	I	10.1209	0.0019	0.026	118		10.08	10.17		D			1 S							G
73640	9.588	0.021	9.046	0.020		0.515	0.022	T	0.59	0.02	L	9.1381	0.0031	0.019	65		9.12	9.18		C			1							
73641	10.448	0.057	9.507	0.039	A	0.830	0.051	T	0.85	0.04	L	9.5296	0.0200	0.078	48	A	9.46	9.69		D	15032+0740	I 2	1 C P A							
73642	11.244	0.104	10.450	0.081	B	0.720	0.102	T	0.77	0.07	L	10.7976	0.0425			B				D	15032+0740	I 2	1 C I A							
73643	11.507	0.078	9.832	0.029		1.426	0.069	T	3.36	0.83	K	9.6025	0.0104	0.080	136		9.46	9.72		U 2			1							
73644	9.755	0.019	8.590	0.012		1.000	0.018	T	0.98	0.01	L	8.6330	0.0015	0.014	102		8.61	8.66					1							
73645	7.796	0.005	7.562	0.007		0.218	0.009	T	0.24	0.01	L	7.6085	0.0013	0.013	156		7.59	7.64					1 G							S
73646	8.563	0.011	7.320	0.007		1.061	0.010	T	1.03	0.01	L	7.3792	0.0012	0.012	111		7.36	7.40					1							S
73647	8.760	0.014	8.735	0.017		0.165	0.015	G	0.18	0.01	H	8.7251	0.0022	0.016	94		8.69	8.75		C			1							
73648	11.150	0.061	9.728	0.030		1.201	0.053	T	1.16	0.05	L	9.7197	0.0031	0.023	99		9.68	9.76		C			1							
73649											T	11.9154	0.0089	0.069	78		11.77	12.00					1							G
73650	8.510	0.012	7.848	0.011		0.613	0.008	G	0.68	0.01	H	7.9000	0.0017	0.013	60		7.87	7.93		C			1							S
73651	10.026	0.028	9.415	0.025		0.569	0.033	T	0.64	0.03	L	9.4755	0.0022	0.024	127		9.43	9.51					1							
73652	8.421	0.018	7.725	0.017		0.661	0.015	G	0.72	0.01	H	7.7650	0.0018	0.010	40		7.75	7.78		C			1							S
73653	7.197	0.006	7.367	0.007		−0.151	0.003	G	−0.15	0.00	H	7.3488	0.0015	0.015	104		7.32	7.37		U			1							S
73654	8.309	0.009	6.986	0.005		1.123	0.008	T	1.09	0.01	L	7.0268	0.0009	0.009	121		7.01	7.04					1							S
73655	8.385	0.013	7.044	0.007		1.137	0.012	T	1.10	0.01	L	7.0772	0.0013	0.010	52		7.06	7.09		C			1							S
73656	10.923	0.083	9.638	0.044		1.093	0.073	T	1.05	0.08	L	9.7208	0.0041	0.023	47		9.68	9.77		C			1							
73657	8.532	0.007	8.128	0.007		0.382	0.009	T	0.45	0.01	L	8.1758	0.0010	0.014	204		8.16	8.20		C	15034+3334	I 1	1							S
73658	9.857	0.019	8.672	0.012		1.015	0.018	T	0.99	0.01	L	8.7344	0.0015	0.015	134		8.71	8.76		C			1							
73659	11.281	0.069	9.974	0.035		1.106	0.062	T	1.18	0.09	L	10.1275	0.0031	0.021	95		10.08	10.18		C			1							
73660	9.014	0.016	8.785	0.018		0.213	0.024	T	0.24	0.03	L	8.8117	0.0020	0.014	66		8.79	8.83					1							
73661	8.480	0.012	6.851	0.006		1.363	0.011	T	1.33	0.01	L	6.8382	0.0012	0.009	112		6.82	6.85					1							S
73662	11.586	0.075	9.803	0.027		1.515	0.066	T	3.35	0.83	K	9.4961	0.0219	0.127	124		9.34	9.67		U 2			1							P
73663	10.849	0.032	9.635	0.019		1.038	0.029	T	1.01	0.02	L	9.7284	0.0023	0.030	175		9.66	9.78					1							
73664	8.968	0.023	8.606	0.023		0.343	0.030	T	0.40	0.04	L	8.6696	0.0016	0.010	44		8.64	8.68		D			1							
73665	9.627	0.017	9.059	0.016		0.531	0.021	T	0.60	0.02	L	9.1189	0.0020	0.023	133		9.08	9.15					1							S
73666	8.529	0.014	8.019	0.013		0.534	0.015	G	0.61	0.02	H	8.0566	0.0017	0.011	61		8.04	8.07		C			1							S
73667	9.363	0.016	8.875	0.016	*	0.471	0.018	T	0.54	0.02	L *	8.9253	0.0022	0.018	93	*	8.89	8.97		D	15035−4035	I 1	2 C A	AS	188	0.311	0.004	0.33	0.05	
73668	9.828	0.021	9.305	0.020		0.491	0.026	T	0.56	0.03	L	9.4046	0.0023	0.025	138		9.37	9.45					1							S
73669											T	11.5191	0.0056	0.037	87		11.46	11.59					1							G
73670	9.577	0.023	7.959	0.012		1.355	0.020	T	1.32	0.02	L	7.9358	0.0018	0.010	71		7.92	7.95		C			1							S
73671	9.564	0.020	7.780	0.009		1.486	0.017	T	1.51	0.03	L	7.7584	0.0017	0.015	109		7.73	7.78		R			1 X							S
73672	6.913	0.005	6.678	0.006		0.224	0.007	T	0.25	0.01	L	6.7166	0.0011	0.011	58		6.70	6.73					1							S
73673	8.624	0.015	8.150	0.015		0.476	0.015	G	0.55	0.02	H	8.1880	0.0016	0.013	81		8.17	8.21		C			1							S
73674	8.372	0.017	7.700	0.015	*	0.622	0.019	T	0.69	0.02	L *	7.7934	0.0018	0.011	61	*	7.78	7.85		U 2	15036−2751	I 1	2 C B	BA	220	7.426	0.007	0.02	0.03	S
73675	7.904	0.006	6.695	0.004		1.020	0.004	G	0.99	0.00	H	6.7513	0.0007	0.009	177		6.74	6.77					1							S
73676	9.730	0.031	7.703	0.012		1.716	0.027	T	2.24	0.07	O	7.5505	0.0037	0.024	63		7.51	7.58		U 2	15036−0734	I 1	1							S
73677	9.554	0.017	8.893	0.015		0.624	0.013	G	0.69	0.01	H	8.9567	0.0015	0.016	124		8.94	8.99					1							
73678	10.370	0.054	8.515	0.022		1.542	0.046	T	1.60	0.10	L	8.4400	0.0034	0.017	38		8.42	8.47					1 S							
73679	11.154	0.087	10.291	0.063		0.680	0.040	G	0.74	0.03	R	10.3802	0.0040	0.027	49		10.33	10.41		C			1							G
73680	10.126	0.024	8.865	0.014		1.075	0.022	T	1.04	0.02	L	8.9031	0.0019	0.016	108		8.88	8.93					1 S							
73681	9.729	0.017	9.268	0.017		0.435	0.022	T	0.50	0.02	L	9.3435	0.0020	0.023	144		9.31	9.39		C			1							S
73682	10.168	0.038	8.766	0.021		1.185	0.034	T	1.15	0.03	L	8.8082	0.0024	0.014	52		8.78	8.83					1							
73683			9.443	0.026							T	8.9683	0.0032	0.017	41		8.94	9.01					1							
73684	8.979	0.013	8.526	0.013		0.427	0.017	T	0.49	0.02	L	8.5887	0.0019	0.016	121		8.56	8.61					1							S
73685	8.528	0.008	8.211	0.008		0.301	0.011	T	0.34	0.01	L	8.2572	0.0017	0.020	240		8.23	8.29					1							
73686	11.518	0.094	10.085	0.043		1.209	0.081	T	1.17	0.08	L	10.1348	0.0040	0.035	79		10.09	10.18		R			1							
73687	10.222	0.040	9.447	0.032	A	0.700	0.495	G	0.68	0.06	L *	9.4778	0.0023	0.018	58	*	9.46	9.52		D	15037−3522	I 1	2 C A	AB	153	3.136	0.024	2.78	0.09	
73688	10.272	0.033	9.208	0.022		0.922	0.030	T	0.92	0.02	L	9.3123	0.0020	0.015	83		9.29	9.34		C			1							S
73689	9.355	0.015	9.010	0.016		0.327	0.020	T	0.38	0.03	L	9.0598	0.0023	0.020	97		9.03	9.11					1							
73690	10.504	0.048	9.924	0.046		0.523	0.015	G	0.60	0.02	H	10.0618	0.0035	0.022	71		10.02	10.10		C			1							
73691	11.010	0.055	10.391	0.051		0.576	0.065	T	0.65	0.06	L	10.5030	0.0027	0.025	111		10.46	10.55		C			1							
73692	9.711	0.028	9.679	0.038		0.028	0.020	G	0.04	0.02	H	9.6974	0.0029	0.019	68		9.67	9.74		C			1							
73693	10.532	0.038	8.709	0.015		1.517	0.032	T	1.55	0.05	L	8.6519	0.0019	0.017	104		8.62	8.68		C			1							
73694	10.721	0.057	10.086	0.050		0.600	0.020	G	0.67	0.02	H	10.1553	0.0036	0.022	62		10.10	10.18		C			1							G
73695	5.631	0.014	4.918	0.017	A	0.647	0.002	G	0.71	0.00	H *	4.8775	0.0065	0.063	123	*	4.84	4.99	0.27	P 1 A	15038+4739	I 1	2 C B	AB	49	1.703	0.003	0.78	0.02	S D
73696	11.085	0.065	10.355	0.055		0.570	0.020	G	0.64	0.02	H	10.4190	0.0044	0.026	67		10.37	10.48		C			1							G
73697	10.227	0.022	8.813	0.012		1.194	0.020	T	1.15	0.02	L	8.8558	0.0019	0.021	174		8.82	8.89		C			1							
73698	9.059	0.015	8.631	0.015	*	0.423	0.015	G	0.49	0.02	H *	8.6804	0.0023	0.015	69	*	8.66	8.72		D	15038−3819	I 1	2 C A	AB	310	0.295	0.006	0.43	0.07	
73699	8.702	0.011	6.931	0.006		1.456	0.005	G	1.46	0.01	H	6.9219	0.0011	0.010	125		6.90	6.94		C			1							S
73700	7.955	0.006	7.346	0.006		0.559	0.006	G	0.63	0.01	H	7.4089	0.0008	0.010	135		7.39	7.43					1							S

Number	Descriptor: epoch J1991.25					Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V			α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag			deg	deg		mas	mas/yr		mas		mas	mas/yr												%	
1 2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
*73701	15 03 49.48	−09 18 12.5	9.09		H	225.956 160 81	−09.303 480 79		5.66	−64.17	−19.17	1.38	0.94	1.83	1.85	1.43	−30 + 6	−50 +42	− 8	− 4	−15	−31 +52	−43				0	0.17
*73702	H 15 03 48.91	−66 48 52.1	9.71	2	H	225.953 788 13	−66.814 467 53	A	2.60	−3.92	−4.22	1.77	2.34	2.84	1.68	2.64	+26 + 4	+15 −17	− 2	−20 + 0	− 1	−19 +35					0	−0.37
73703	15 03 49.81	−44 55 46.2	8.81		H	225.957 559 98	−44.929 498 47		5.05	−28.59	−14.81	0.88	0.76	1.20	0.91	0.90	−38 −32	+ 3 + 9	+ 9	−16 +10	+ 2	+ 4 −13					0	2.08
73704	15 03 53.94	+16 59 31.8	10.70		H	225.974 735 47	+16.992 159 45		10.83	−166.78	45.62	3.14	2.18	2.35	4.18	2.59	+42 + 4	+10 −80	−55	−13 −52	−43	− 8 +42					0	0.71
73705	15 03 57.29	+13 06 25.6	8.67		G	225.988 707 35	+13.107 112 58		4.35	−24.12	1.41	1.07	0.83	1.25	1.21	1.11	− 3 −28	−13 −13	−37	− 4 −43	− 3	+28 −21					0	−0.16
73706	15 03 57.73	+65 55 11.0	6.22		H	225.990 554 01	+65.919 736 04		7.03	22.96	−9.20	0.43	0.47	0.49	0.43	0.53	+14 −16	−16 −17	−11	−10 −15	−15	+ 9 + 6					0	−0.87
73707	15 03 57.96	+09 54 41.2	10.05		H	225.991 509 20	+09.911 456 50		9.11	18.47	−51.51	1.48	1.13	1.86	1.66	1.32	−24 −23	−22 +13	−19	+35 −13	−10	+15 −14					0	0.17
73708	15 04 00.52	−02 51 05.1	10.22	2	H	226.002 155 59	−02.851 420 12		3.20	−0.67	1.16	2.05	1.76	2.80	2.23	1.59	−13 −35	−49 + 7	−15	+26 + 3	−29	+ 3 −22					0	−0.45
73709	15 04 00.74	+03 55 05.2	8.96		H	226.003 095 70	+03.918 104 90		6.63	−30.44	−15.51	1.43	1.36	1.78	2.01	1.57	+12 −34	−49 +20	+ 1	−12 + 2	+48	−30 +22					0	−1.21
73710	15 04 01.96	−28 03 41.4	7.73	2	H	226.008 146 27	−28.061 500 80		6.09	21.24	−3.43	0.85	0.63	0.98	1.00	0.81	− 9 −23	−24 +17	− 5	+ 4 − 6	+ 6	+12 −13					0	0.09
73711	15 04 02.26	−54 20 21.0	9.07		H	226.009 409 80	−54.339 168 90		0.97	−8.55	−3.90	1.01	0.94	1.59	1.29	1.31	− 9 −15	−26 − 1	+19	−34 +13	− 8	+ 4 − 5					4	1.92
73712	15 04 02.70	+29 37 46.0	9.96		H	226.011 244 79	+29.629 457 99		1.33	−3.68	0.44	2.27	2.47	3.66	2.56	3.12	−10 −16	−19 −38	+ 9	+18 +21	− 4	−18 −30					0	
73713	15 04 03.86	+10 44 06.4	7.88		H	226.016 069 79	+10.735 114 07		2.81	−23.53	6.72	0.83	0.71	1.01	0.80	0.92	−40 −24	+ 2 +10	−34	+12 −45	+11	+16 −46					0	0.40
73714	15 04 04.26	−25 16 54.7	3.25		H	226.017 757 93	−25.281 856 02		11.17	−71.85	−44.69	0.86	0.63	0.98	1.47	0.94	−14 +20	−32 − 9	−14	− 2 −22	+10	−31 +32					0	0.36
73715	15 04 06.32	+77 22 18.5	7.68		H	226.026 320 87	+77.371 810 90		14.26	−80.15	13.49	0.48	0.64	0.63	0.52	0.72	− 4 −18	−37 − 5	− 3	+ 5 − 1	+ 1	− 1 −18					1	0.16
73716	15 04 06.44	+05 29 34.5	7.15		H	226.026 841 83	+05.492 904 15	A	12.65	−7.01	−29.49	1.97	1.57	1.85	1.63	1.47	+ 2 −37	−37 +33	+ 7	−18 + 2	+19	+11 −32					5	0.19
73717	H 15 04 07.07	−06 53 14.4	7.72		G	226.029 463 96	−06.887 334 63	A	28.63	−212.49	−10.78	1.77	1.21	1.70	1.95	1.43	−51 − 6	+ 1 +37	−29	−16 −40	− 3	+19 −51					2	−0.16
73718	15 04 08.34	−52 12 47.5	7.96		G	226.034 762 15	−52.213 192 83		2.55	−10.18	−9.39	0.66	0.80	0.97	0.79	1.20	−25 −27	−32 − 1	+13	−35 + 0	− 8	+30 −71					0	1.76
73719	15 04 08.77	−53 15 37.2	8.44		H	226.036 540 36	−53.260 339 01		2.67	−1.03	−8.38	0.82	0.88	1.16	1.05	1.18	− 9 −14	−24 +22	+12	−10 + 7	+10	+25 − 3					0	−1.52
73720	15 04 08.95	−15 27 41.1	8.23		H	226.037 293 27	−15.461 429 10		1.48	−8.97	−3.54	0.95	0.66	1.07	1.25	0.85	−37 −13	−12 +22	−16	+ 7 −12	− 5	+17 −20					0	0.97
73721	15 04 10.79	+14 45 29.1	8.95		H	226.044 975 74	+14.758 090 01		1.02	2.17	−29.73	1.09	0.99	1.37	1.32	1.16	−19 −10	−19 −33	−32	+23 −25	+ 5	+ 2 −30					0	−0.18
73722	15 04 12.20	−00 16 18.4	9.70		G	226.050 846 51	−00.271 776 49		15.69	−49.50	−50.80	1.47	1.33	1.84	1.79	1.57	−32 −26	−29 +15	+ 6	+ 1 + 3	−27	+17 −40					0	1.99
73723	H 15 04 13.48	+36 40 58.4	9.60		H	226.056 169 12	+36.682 901 79	A	6.25	18.87	1.97	1.54	1.40	1.63	1.12	1.45	+22 + 4	− 1 + 2	+ 9	− 5 + 6	− 7	+22 +20					1	−0.31
73724	H 15 04 14.24	−15 29 51.4	8.03		G	226.059 328 57	−15.497 604 44	*	7.55	13.41	−33.77	2.35	1.76	1.37	1.64	1.35	−53 −22	− 8 + 0	+ 3	− 9 + 0	−25	+32 −42					1	−0.81
73725	15 04 15.80	+39 12 30.1	9.71		H	226.065 835 23	+39.208 363 31		20.30	63.99	16.69	0.91	0.95	1.26	1.07	1.10	+13 +13	+ 4 + 8	−11	− 8 −12	+ 5	− 8 + 6					0	1.47
73726	15 04 16.05	+29 04 42.7	7.85		H	226.066 875 63	+29.078 514 99		6.08	11.50	1.21	0.56	0.58	0.90	0.57	0.73	−21 + 2	−20 −45	+13	− 5 +26	+ 3	−12 −46					0	2.11
73727	15 04 16.42	−54 15 38.8	11.09		H	226.068 422 91	−54.260 775 70		−4.44	2.21	−4.63	2.21	2.01	3.65	3.13	2.80	+ 1 − 3	−24 − 1	+22	−31 +20	−24	+10 +15					0	0.20
73728	15 04 16.47	−63 12 10.3	8.16		H	226.068 611 34	−63.202 871 29		3.67	9.19	−2.03	0.52	0.64	1.10	0.64	0.85	+22 −24	−14 +31	+ 8	+ 0 + 2	+35	+16 +29					0	0.16
73729	15 04 17.28	−11 01 29.1	8.21		H	226.072 015 48	−11.024 755 43		−0.94	10.82	−3.35	1.01	0.84	1.23	1.35	1.00	−36 +13	−41 −10	+ 8	−17 +13	−50	+34 −20					0	1.02
73730	15 04 17.63	+59 32 06.2	7.40		H	226.073 458 60	+59.535 053 98		9.33	−13.68	−0.23	0.47	0.53	0.56	0.49	0.64	+ 0 −22	− 8 − 8	+12	− 8 +15	− 6	−13 − 2					1	0.29
73731	15 04 18.50	+23 10 02.4	9.21		H	226.077 103 22	+23.167 334 12		7.15	−57.62	60.87	0.79	0.70	1.15	0.79	0.90	−11 −28	−13 +48	+11	−15 + 6	+12	−19 −46					1	0.44
73732	15 04 18.55	−55 37 26.4	11.28		G	226.077 298 46	−55.623 991 48		3.15	−2.82	2.55	1.92	1.69	2.73	2.39	2.29	+ 2 −40	−16 +14	+29	−19 +29	− 3	− 8 + 5					0	1.86
73733	15 04 18.69	−08 16 04.0	9.46		G	226.077 878 14	−08.267 785 38		7.97	15.93	−5.96	1.40	1.10	1.62	1.62	1.45	−43 −22	−20 +20	+18	+ 2 +16	−42	+27 −44					0	0.15
73734	15 04 19.28	+60 23 03.0	11.00		H	226.080 331 08	+60.384 154 55		56.94	−654.95	177.55	1.33	1.38	1.44	1.52	1.62	+ 3 − 1	− 6 −31	+ 2	− 4 + 3	−27	− 2 −16					0	−3.15
73735	15 04 19.72	+20 43 54.1	9.49		H	226.082 180 49	+20.731 706 53		4.08	−74.52	9.81	0.86	1.02	1.35	1.12	1.30	−32 −11	−18 +23	−16	−15 −19	+23	+ 3 −54					0	−0.60
73736	15 04 20.09	+13 38 50.2	8.00		H	226.083 699 77	+13.647 265 10		1.86	−22.14	−1.81	0.96	0.81	1.15	1.01	1.00	−18 −16	+ 1 −23	−25	− 1 −30	− 9	+15 −28					0	−0.10
73737	15 04 22.62	−24 08 40.3	8.66		H	226.094 254 60	−24.144 532 90		3.48	5.10	−8.82	1.16	0.92	1.44	1.43	1.15	+ 1 −20	−48 + 3	− 7	+ 0 − 3	+17	−28 + 0					0	1.02
73738	15 04 22.86	−53 37 21.2	7.84		H	226.095 255 27	−53.622 554 99		1.70	−14.38	−37.67	0.78	0.66	0.99	0.92	0.89	− 4 −11	−24 +16	+20	−12 +17	− 4	+29 − 3					0	−1.07
73739	15 04 23.69	−36 40 02.9	9.80		H	226.098 719 41	−36.667 481 77		11.47	35.44	−15.93	1.38	1.15	1.59	1.64	1.43	− 9 − 8	−17 +30	+ 1	+16 + 7	+19	−15 − 2					0	−0.05
73740	15 04 23.80	−56 55 01.2	7.40		H	226.099 155 05	−56.916 988 89		0.30	−4.72	−4.75	0.77	0.58	0.89	0.86	0.78	+16 −35	−14 +34	+35	+ 0 +36	+ 1	+ 3 +14					0	0.82
73741	15 04 24.49	−00 54 19.8	8.20		G	226.102 040 92	−00.905 504 62		7.10	14.86	−2.28	0.98	0.75	1.21	0.98	0.81	−15 −48	−28 + 3	−23	+26 − 5	+14	−20 −36					3	1.95
73742	15 04 25.89	−47 58 37.2	8.61		H	226.107 868 37	−47.977 001 87		5.46	−20.80	−27.16	0.76	0.77	1.05	0.85	0.91	−20 −17	− 7 + 4	+ 8	−22 + 7	+ 8	− 1 −17					0	−0.60
73743	15 04 25.94	−09 00 17.2	9.64		G	226.108 098 25	−09.004 785 86		10.15	−98.19	−29.62	1.61	1.12	1.94	2.09	1.58	−36 − 3	−39 +42	− 3	+ 1 −11	−31	+37 −48					0	0.91
73744	15 04 26.49	−39 56 56.3	9.15		H	226.110 362 05	−39.948 959 49		4.60	−4.71	−10.12	1.30	0.97	1.56	1.44	1.44	−43 − 4	−22 −26	+13	− 8 + 8	−13	+ 1 −25					0	−0.03
73745	15 04 26.86	+26 56 51.6	4.52		H	226.111 904 57	+26.947 659 81		13.04	−176.31	−4.52	0.56	0.41	0.68	0.74	0.59	− 6 −15	−11 + 0	+37	−29 +34	−14	+ 6 −46					2	0.85
73746	15 04 26.89	+28 05 12.9	10.47		H	226.112 026 53	+28.086 906 43		7.54	−34.06	−20.95	1.39	1.23	1.85	1.66	1.45	−18 −17	−32 +12	+25	−25 +13	−14	− 2 −49					0	0.59
73747	15 04 28.05	−08 02 48.8	7.31		H	226.116 855 76	−08.046 892 17		2.18	−31.04	−12.63	0.89	0.68	1.13	1.10	1.04	−36 −31	−27 +32	+ 8	−19 −13	−30	+45 −56					0	0.46
73748	H 15 04 29.42	+19 50 28.7	7.62		H	226.122 585 12	+19.841 308 06	A	4.13	−12.79	10.19	0.89	0.96	1.22	0.98	1.12	+ 8 − 5	+12 +43	+28	− 8 +24	+12	+40 −21					2	−0.67
73749	15 04 29.84	−57 41 54.3	7.37		H	226.124 333 05	−57.698 421 29		2.27	−8.80	−8.25	0.64	0.56	0.82	0.92	0.77	+12 − 6	−14 +16	+14	+ 3 +14	+18	+ 8 +10					0	2.73
73750	15 04 30.20	+27 35 07.4	10.29		H	226.125 830 67	+27.585 382 30		5.41	34.04	−33.84	1.34	1.08	1.76	1.74	1.39	− 2 −28	−24 +16	+31	−21 +20	− 8	− 6 −49					0	0.43
73751	15 04 30.90	−17 54 13.0	7.93		H	226.128 736 02	−17.903 619 89	A	0.08	−14.44	0.39	2.30	1.66	2.05	2.75	2.58	−42 −13	− 9 +28	−21	+ 2 −27	+11	+25 −45					5	1.49
73752	15 04 32.30	−49 26 10.2	8.82		H	226.134 592 50	−49.436 159 28		1.45	−0.57	−3.08	1.07	0.86	1.30	1.44	1.35	+ 4 + 2	− 6 +53	+17	+19 +18	+26	+36 + 5					4	−0.29
73753	15 04 32.65	−17 54 13.2	8.76		H	226.136 054 56	−17.903 678 93	B	1.63	−16.56	2.01	30.13	21.75	4.38	5.81	5.30	−41 −19	− 8 +22	−16	− 4 −22	+ 5	+24 −46					5	1.49
73754	15 04 33.05	−28 18 00.2	7.18		H	226.137 722 37	−28.300 047 43		29.47	40.21	−52.04	0.80	0.65	0.93	0.93	0.76	−18 −18	−26 +11	+ 1	+ 3 + 3	+ 1	+ 4 −15					0	1.95
73755	15 04 33.76	−62 53 23.4	8.31		G	226.140 648 35	−62.889 822 05		5.12	−73.90	−56.85	0.58	0.63	1.11	0.70	0.82	+32 −20	−15 +56	+24	−14 +22	+33	+ 7 +32					1	1.50
73756	15 04 35.52	−60 21 19.3	9.55		G	226.148 017 15	−60.355 373 33		−0.76	−0.35	−0.05	1.06	0.98	1.42	1.34	1.33	+12 −30	− 2 − 2	+ 5	−12 + 6	− 7	− 4 +26					2	0.99
73757	15 04 35.74	+00 38 26.3	8.35		H	226.148 915 48	+00.640 646 76		1.48	−26.03	1.17	1.15	1.03	1.42	1.47	1.20	−28 − 2	−42 +23	− 2	− 6 − 8	− 7	+18 −43					0	1.27
73758	15 04 36.20	−43 53 50.4	7.92		G	226.150 831 14	−43.897 334 20		10.11	7.18	−82.11	0.71	0.60	0.90	0.81	0.81	−21 −27	− 9 +11	+ 2	+ 4 + 1	+12	+10 −17					4	1.21
73759	15 04 39.26	−27 04 09.3	8.74		H	226.163 574 37	−27.069 262 50		6.87	−61.68	−19.74	1.19	0.86	1.33	1.64	1.11	− 4 −17	−26 +29	− 8	+22 − 1	+23	+ 5 +13					0	−0.51
73760	15 04 40.03	−11 39 53.7	8.40		H	226.166 810 85	−11.664 919 36		0.19	−31.17	−8.62	1.02	0.85	1.34	1.36	0.99	−25 − 2	−51 −23	+18	−24 + 9	−56	+38 −25					2	0.46
73761	H 15 04 40.10	−30 31 19.5	9.02	1	H	226.167 071 18	−30.522 084 46	A	4.42	−26.41	−13.81	2.93	1.75	2.56	3.00	2.01	+10 −44	−19 + 1	−14	+11 −13	+ 4	− 4 +16					0	0.33
73762	15 04 40.14	+48 49 48.0	9.35	1	H	226.167 259 25	+48.830 011 18		0.67	9.47	−14.53	0.80	0.79	0.94	1.05	0.90	+ 7 + 1	− 9 +23	+ 2	+ 3 + 2	+12	−12 + 1					0	0.33
73763	15 04 42.62	−33 36 43.3	8.86	2	H	226.177 590 76	−33.612 035 55		2.41	−17.86	−1.72	1.12	0.84	1.29	1.04	0.99	− 4 −38	−29 +12	−11	+ 0 −12	+26	+ 8 −26					0	1.56
73764	15 04 42.90	−40 51 40.5	6.29	2	H	226.178 756 58	−40.861 242 06		5.09	−4.84	−36.25	0.86	0.64	1.09	0.94	1.26	−59 −25	+ 2 + 6	−10	−43 −24	+19	+16 −64					0	−1.99
73765	15 04 43.53	+38 36 18.5	7.49		H	226.181 381 45	+38.605 144 99		21.31	−15.96	33.85	0.52	0.54	0.71	0.63	0.63	+25 − 6	− 6 + 7	+ 1	−12 + 1	+19	− 4 +24					0	0.18
73766	15 04 44.44	−14 59 50.2	7.91		G	226.185 168 54	−14.997 290 09		5.94	−13.44	−14.60	0.86	0.60	0.95	1.11	0.75	−34 − 8	−11 +22	−24	+19 −17	+11	−17 −12					4	1.77
73767	15 04 44.63	−06 10 32.2	9.45		H	226.185 959 21	−06.175 611 24		6.04	−5.43	−21.27	1.35	0.91	1.39	1.54	1.07	−47 −31	+14 +33	−36	−17 −33	− 1	+10 −36					0	0.12
73768	15 04 45.19	+25 27 37.6	8.18		H	226.188 294 45	+25.460 439 18		9.49	−73.46	−71.68	0.97	0.77	1.25	1.47	1.64	−14 −27	− 3 + 2	− 3	+ 8 +17	+ 2	−41 −68					2	0.04
73769	15 04 45.28	−62 46 30.8	8.45		H	226.188 686 75	−62.775 213 37		4.94	−12.63	−4.07	0.57	0.63	1.20	0.67	0.84	+30 − 6	− 2 +63	+27	− 8 +26	+34	+16 +27					0	−0.39
73770	15 04 46.51	+22 24 55.3	7.79		H	226.193 788 38	+22.415 371 42		14.35	−34.86	−69.27	0.60	0.62	0.87	0.66	0.76	−19 − 2	− 6 +39	+14	+ 1 +11	+16	−15 −45					0	−0.61
*73771	15 04 46.96	−83 02 17.8	5.65		H	226.195 679 59	−83.038 268 51		1.88	−8.65	−17.65	0.42	0.43	0.52	0.51	0.53	+ 1 − 3	− 1 − 8	− 1	− 4 − 2	+ 5	+ 6 + 5					0	0.94
*73772	15 04 46.94	−51 15 04.6	8.67		H	226.195 600 92	−51.251 272 30		13.27	28.39	−40.19	0.85	0.88	1.29	1.01	1.25	−11 −32	−31 +14	+14	−34 − 8	− 8	+39 −49					0	1.57
73773	15 04 47.31	+64 48 43.8	9.46		G	226.197 124 47	+64.812 173 96		17.81	−254.99	−13.95	0.78	0.83	0.88	0.89	1.04	+15 −17	−24 −17	−19	− 1 −21	+ 3	+10 + 5					0	0.17
73774	15 04 47.51	−37 30 26.5	8.40		H	226.197 949 46	−37.507 374 78		2.08	−21.06	−11.01	1.08	0.78	1.24	1.00	0.93	+ 4 −42	−20 +23	+ 5	−13 + 0	+14	+ 7 − 6					0	0.82
73775	15 04 47.87	−59 47 41.6	8.28		H	226.199 466 77	−59.794 881 19		2.31	−2.59	2.47	0.90	0.83	1.13	1.29	1.11	+18 −28	+ 8 +39	+28	−13 +35	+16	− 6 +55					0	2.24
73776	15 04 48.05	−64 01 52.9	5.16		H	226.200 205 49	−64.031 373 07		12.20	102.92	9.47	0.34	0.40	0.59	0.40	0.49	+16 −21	− 5 +27	+ 9	− 7 + 8	+30	+ 3 +24					0	−0.58
73777	15 04 48.94	−39 49 23.4	9.73	2	H	226.203 906 09	−39.823 156 86		10.59	−30.39	−32.78	1.41	1.02	1.67	1.84	1.47	−40 +12	−28 − 9	+15	+ 5 +20	−16	+21 − 4					2	0.74
73778	15 04 48.96	−68 07 33.9	9.41		H	226.204 000 46	−68.126 072 70		1.64	−11.50	−10.56	0.77	0.95	1.37	0.93	1.23	+29 −23	−16 −11	+ 8	− 4 + 5	+14	− 4 +38					0	1.45
73779	H 15 04 49.55	−35 55 34.0	8.59		H	226.206 444 59	−35.926 119 11	A	5.05	9.28	4.63	2.67	1.92	2.78	2.71	2.19	− 3 −35	−22 − 7	− 8	− 6 + 4	+ 7	−20 +15					1	−0.11
73780	15 04 50.46	−53 21 35.6	9.27	2	G	226.210 254 75	−53.359 891 90		4.33	−59.11	−37.10	1.13	1.00	1.53	1.38	1.46	− 7 −27	−16 +27	+ 8	−16 − 3	+15	+33 − 5					2	1.15
73781	15 04 51.25	−08 48 56.5	9.47		G	226.213 542 72	−08.815 682 75		−1.01	−29.11	−4.43	1.65	1.30	1.67	1.95	1.60	−51 + 1	−22 +29	+17	+ 1 +16	−50	+18 −53					0	0.47
73782	15 04 51.73	−54 20 12.8	10.80		G	226.215 527 83	−54.336 885 91		0.43	−7.26	−0.19	1.57	1.37	2.32	1.98	1.82	+22 −10	−39 − 2	+15	−28 + 5	−21	+18 +16					0	0.91
73783	15 04 52.37	−31 16 44.3	8.73		H	226.218 207 71	−31.278 968 29		5.06	−21.49	−21.59	1.06	0.83	1.26	1.25	1.04	− 7 −27	−21 + 4	−11	+17 − 8	+12	+ 0 −13					0	0.97
73784	15 04 52.79	+70 45 57.2	7.87		H	226.219 941 68	+70.765 877 78		7.39	38.98	−49.41	0.57	0.56	0.64	0.60	0.61	+ 3 −13	−28 −12	+ 0	− 9 + 2	+11	−20 − 5					1	−0.16
73785	15 04 52.85	−63 19 34.1	7.20		H	226.220 206 58	−63.326 135 57		6.88	−22.89	−23.09	0.40	0.46	0.81	0.49	0.60	+26 −17	− 6 +27	+ 7	+ 8 + 3	+30	+22 +35					0	0.61
73786	15 04 53.88	+05 38 21.6	9.83		G	226.224 509 88	+05.639 331 00		52.11	−606.77	−507.54	1.79	1.38	1.97	1.78	1.49	+11 −51	−24 +19	+ 9	−10 + 3	+ 0	+ 6 + 0					0	1.29
73787	15 04 54.07	−18 35 26.2	9.50		H	226.225 274 08	−18.590 610 13	+	28.11	−129.61	−129.36	1.85	1.28	3.08	3.00	2.57	−17 − 8	−28 −27	−15	−31 − 4	−23	+60 −48					0	1.16
73788	15 04 55.34	−64 25 57.1	9.52	2	H	226.230 595 06	−64.432 522 36		1.95	−4.08	−2.97	0.77	0.92	1.32	0.92	1.09	+15 −19	+ 6 +38	+ 8	−23 +10	+24	− 1 +19					2	0.71
*73789	15 04 55.74	−49 10 42.2	7.85		H	226.232 254 74	−49.178 382 24		0.28	−4.02	−4.92	0.73	0.67	0.95	0.85	0.91	−15 −25	−14 +28	+11	−23 + 3	+ 9	+23 −32					0	−0.27
*73790	15 04 55.80	+08 33 34.7	8.74		H	226.232 483 49	+08.559 636 38		1.73	−6.65	6.55	1.29	1.07	1.47	1.46	1.24	+ 6 −42	−34 + 7	−10	− 6 − 5	+12	−14 +10					0	−0.32
*73791	15 04 55.69	−86 28 17.6	7.69		H	226.232 023 02	−86.471 567 27		4.39	22.62	28.09	0.59	0.55	0.66	0.65	0.67	+ 8 −13	+ 2 −16	−14	− 2 −11	+12	− 7 − 1					0	−0.53
73792	15 04 56.08	−42 20 38.0	9.41		H	226.233 673 58	−42.343 894 40		5.06	−31.40	−18.12	1.14	0.94	1.60	1.71	1.57	−49 +20	−26 −10	+13	−31 − 3	+14	−20 − 8					0	0.92
73793	H 15 04 56.30	+34 28 02.7	8.85		H	226.234 591 21	+34.467 425 52	A	7.26	26.30	23.21	1.29	1.41	1.75	1.47	1.56	+ 3 − 2	+ 3 + 1	− 2	− 7 + 0	+ 1	+ 3 +41					1	0.18
73794	15 04 56.98	−12 23 43.8	8.99		H	226.237 429 15	−12.395 509 66		5.95	9.74	−26.02	1.04	0.83	1.28	1.14	0.89	−28 −20	−35 − 1	+12	+ 6 +14	−46	+20 −29					0	−0.96
73795	15 04 57.23	−23 10 06.7	10.08		H	226.238 462 28	−23.168 531 37		3.08	−17.29	3.69	1.82	1.22	2.04	2.48	1.74	−44 +23	−27 +39	−28	+38 −19	+17	−16 −22					0	1.29
73796	15 04 58.26	−83 38 51.1	8.18		H	226.242 763 26	−83.647 532 37		3.38	−1.43	−8.51	0.59	0.58	0.70	0.63	0.69	+ 6 −11	+ 9 − 8	− 5	+ 1 − 6	+ 9	+ 5 + 7					1	−0.16
73797	15 04 58.30	+24 29 06.1	10.48		H	226.242 926 16	+24.485 027 07		2.35	−3.45	−2.07	1.31	1.04	1.77

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
73701	9.803	0.034	9.151	0.030		0.605	0.038	T	0.67	0.03	L	9.2191	0.0020	0.017	60		9.19	9.25					1							
73702	9.526	0.018	9.377	0.024	*	0.143	0.028	T	0.16	0.03	L *	9.7656	0.0026	0.042	240	*	9.71	9.85		U 2	15038−6649	I 1	2 C A	AB	195	4.071	0.010	0.87	0.03	G
73703	10.188	0.031	8.939	0.018		1.065	0.028	T	1.03	0.02	L	8.9759	0.0020	0.016	96		8.95	9.01		C			1							
73704	11.849	0.085	10.780	0.057		0.917	0.080	T	0.96	0.09	L	10.8379	0.0050	0.034	112		10.76	10.90		C			1 G							G
73705	9.020	0.014	8.686	0.015		0.335	0.015	G	0.39	0.02	H	8.7542	0.0019	0.016	82		8.73	8.79		C			1							S
73706	6.279	0.004	6.215	0.004		0.055	0.004	G	0.07	0.00	H	6.2399	0.0006	0.006	119		6.23	6.25					1							S
73707	10.540	0.054	10.095	0.057		0.420	0.072	T	0.49	0.08	L	10.1398	0.0030	0.020	60		10.10	10.17		C			1							
73708	13.594	0.962	10.322	0.094							T	10.3484	0.0122	0.068	42		10.29	10.50		U			1							
73709	9.370	0.027	9.001	0.028		0.349	0.015	G	0.41	0.02	H	9.0447	0.0038	0.018	37		9.01	9.08					1							
73710	8.286	0.016	7.777	0.012		0.470	0.006	G	0.54	0.01	H	7.8350	0.0106	0.043	65		7.77	7.89	0.15	P 1 A			1							S
73711	10.598	0.040	9.186	0.020		1.280	0.004	G	1.24	0.00	H	9.2258	0.0024	0.025	99		9.18	9.26					1							D
73712	11.327	0.055	10.026	0.029		1.106	0.049	T	1.07	0.05	L	10.1309	0.0033	0.040	160		10.04	10.21					1 X							
73713	9.878	0.018	8.045	0.008		1.525	0.016	T	1.56	0.02	L	7.9979	0.0018	0.016	144		7.97	8.03		C			1							S
73714	5.417	0.011	3.472	0.010		1.674	0.038	G	2.23	0.02	A	3.3093	0.0100	0.060	39		3.24	3.41					1 S							S
73715	8.231	0.009	7.738	0.010		0.475	0.010	T	0.55	0.01	L	7.7857	0.0010	0.009	115		7.77	7.80		C	15042+7722	I 1	1							S
73716	7.441	0.013	7.131	0.015	A	0.306	0.007	G	0.35	0.01	R	7.2279	0.0116	0.010	38	A	7.21	7.25		D	15041+0530	I 1	2 C A	AB	348	10.013	0.005	0.14	0.02	S
73717	8.676	0.015	7.795	0.011	A	0.752	0.002	G	0.80	0.00	H *	7.8546	0.0011	0.011	65	*	7.84	7.88		D	15041−0653	I 1	2 C B	AB	87	1.393	0.066	3.44	0.14	S
73718	8.046	0.007	7.966	0.013		0.051	0.002	G	0.06	0.00	H	7.9847	0.0015	0.012	71		7.96	8.01					1							S
73719	10.060	0.030	8.616	0.016		1.218	0.027	T	1.18	0.03	L	8.6051	0.0017	0.019	84		8.58	8.64					1							
73720	8.149	0.010	8.216	0.013		−0.056	0.015	T	−0.03	0.01	L	8.2176	0.0016	0.012	71		8.20	8.24		C			1							S
73721	10.524	0.048	9.085	0.024		1.160	0.015	G	1.12	0.01	H	9.1141	0.0020	0.015	71		9.09	9.14		C			1							
73722	10.849	0.067	9.752	0.042		0.910	0.015	G	0.95	0.02	I	9.8275	0.0042	0.024	43		9.78	9.88		C			1							
73723	10.211	0.026	9.623	0.023	*	0.549	0.031	T	0.62	0.03	L *	9.7175	0.0025	0.026	154	*	9.67	9.79		C	15042+3641	H 1	2 C D	AB	257	0.374	0.070	3.39	0.39	D
73724	8.610	0.015	8.061	0.014	*	0.524	0.015	G	0.60	0.02	H *	8.1373	0.0013	0.009	73	*	8.12	8.15		D	15042−1530	I 1	2 C A	AB	336	0.270	0.006	0.50	0.09	S
73725	10.898	0.041	9.849	0.025		0.911	0.036	T	0.91	0.03	L	9.8697	0.0030	0.035	161		9.82	9.94		R			1							
73726	8.113	0.006	7.865	0.007		0.236	0.009	T	0.26	0.01	L	7.9239	0.0017	0.017	187		7.90	7.95			15043+2905	I 1	1							S
73727	11.195	0.080	11.055	0.118		0.135	0.134	T	0.15	0.14	L	11.1293	0.0074	0.053	100		10.99	11.22			15043−5416	I 1	1 S							G
73728	9.962	0.016	8.316	0.008		1.377	0.014	T	1.35	0.02	L	8.3096	0.0011	0.018	255		8.29	8.34					1							
73729	10.342	0.038	8.404	0.015		1.608	0.032	T	1.63	0.03	L	8.3218	0.0023	0.014	64		8.29	8.34		C			1							
73730	7.618	0.007	7.429	0.008		0.170	0.015	G	0.19	0.01	H	7.4609	0.0010	0.008	116		7.45	7.47		C			1							S
73731	9.756	0.016	9.250	0.016		0.476	0.020	T	0.55	0.02	L	9.3200	0.0019	0.022	169		9.28	9.36					1							
73732	11.603	0.121	11.216	0.142		0.320	0.020	G	0.37	0.03	H	11.4345	0.0062	0.057	100		11.34	11.52					1							D
73733	10.107	0.031	9.517	0.029		0.571	0.020	G	0.64	0.02	H	9.5921	0.0025	0.018	75		9.55	9.62		C			1							
73734						1.500	0.495	G	2.07	3.83	I	11.0558	0.0048	0.034	91		10.98	11.10					1							G
73735	10.447	0.033	9.567	0.024		0.785	0.031	T	0.82	0.02	L	9.6380	0.0023	0.024	108		9.60	9.67					1							
73736	9.505	0.020	8.119	0.012		1.172	0.018	T	1.13	0.02	L	8.1668	0.0019	0.015	88		8.14	8.19		C			1							S
73737	9.276	0.019	8.735	0.018		0.514	0.020	T	0.59	0.02	L	8.7746	0.0016	0.011	57		8.75	8.80					1							S
73738	9.547	0.021	7.991	0.011		1.306	0.019	T	1.27	0.02	L	7.9931	0.0014	0.013	89		7.97	8.02					1							
73739	10.843	0.061	9.865	0.040		0.845	0.057	T	0.86	0.04	L	9.9444	0.0038	0.034	59		9.90	10.01					1							G
73740	7.353	0.006	7.388	0.007		−0.027	0.008	T	−0.01	0.01	L	7.3983	0.0009	0.009	94		7.38	7.41		C			1							S
73741	8.457	0.014	8.228	0.015		0.216	0.015	G	0.24	0.02	H	8.2516	0.0014	0.010	50		8.24	8.27		C			1							S
73742	9.317	0.018	8.676	0.016		0.589	0.018	T	0.66	0.02	L	8.7382	0.0017	0.018	81		8.71	8.77		C			1							
73743	10.508	0.051	9.690	0.040		0.700	0.020	G	0.75	0.02	H	9.7759	0.0028	0.016	61		9.75	9.80		C			1							
73744	10.801	0.054	9.286	0.026		1.274	0.047	T	1.23	0.05	L	9.3073	0.0033	0.021	84		9.28	9.34					1							
73745	6.155	0.004	4.655	0.002		1.240	0.005	G	1.23	0.03	C	4.6769	0.0007	0.005	122		4.67	4.69		C			1							S
73746	11.094	0.051	10.494	0.046		0.560	0.060	T	0.63	0.06	L	10.5909	0.0035	0.028	120		10.53	10.65					1							
73747	9.306	0.021	7.457	0.009		1.537	0.018	T	1.59	0.04	L	7.4259	0.0008	0.008	71		7.41	7.44					1							S
73748	8.887	0.012	7.736	0.008	*	0.989	0.011	T	0.97	0.01	L *	7.7820	0.0012	0.013	127	*	7.76	7.80		D	15045+1950	I 1	2 C A	AB	21	0.573	0.005	2.00	0.02	S
73749	7.379	0.005	7.366	0.007		0.017	0.008	T	0.04	0.01	L	7.3813	0.0015	0.012	92		7.36	7.40					1							S
73750	10.896	0.047	10.323	0.045		1.000	0.040	G	1.04	0.05	I	10.4284	0.0041	0.033	121		10.37	10.49					1							
73751	9.505	0.032	8.018	0.018	A	1.252	0.029	T	1.21	0.03	L	8.0873	0.0267	0.031	81	A	7.94	8.11		D	15045−1754	I 2	1 C P A							
73752	10.068	0.031	8.923	0.020		0.984	0.029	T	0.96	0.02	L	8.9833	0.0023	0.017	78		8.94	9.01		C			1							
73753	10.036	0.049	8.809	0.030	B	1.048	0.044	T	1.02	0.04	L	8.9670	0.0476			B				D	15045−1754	I 2	1 C I A							
73754	7.856	0.009	7.237	0.008		0.573	0.009	T	0.65	0.01	L	7.2990	0.0019	0.016	69		7.27	7.32					1							S
73755	9.564	0.012	8.437	0.008		0.969	0.002	G	0.95	0.00	H	8.4756	0.0012	0.019	258		8.45	8.51					1							
73756	9.819	0.024	9.618	0.030		0.240	0.015	G	0.27	0.02	H	9.6124	0.0027	0.020	86		9.58	9.64		C			1							G
73757	9.608	0.031	8.456	0.020		0.990	0.029	T	0.97	0.02	L	8.5199	0.0021	0.013	45		8.50	8.55		C			1 S							S
73758	9.409	0.020	8.031	0.011		1.123	0.005	G	1.09	0.01	H	8.0834	0.0017	0.012	104		8.06	8.10		C			1							
73759	9.228	0.022	8.775	0.021		0.441	0.024	T	0.51	0.03	L	8.8350	0.0023	0.016	56		8.81	8.86		C			1							S
73760	8.728	0.016	8.443	0.017		0.271	0.022	T	0.31	0.03	L	8.4780	0.0012	0.010	61		8.46	8.49					1							S
73761	9.851	0.031	9.223	0.027	*	0.579	0.030	T	0.65	0.03	L *	9.1398	0.0081	0.030	47	*	9.10	9.18		U	15047−3031	I 1	2 C A	AB	2	1.000	0.010	1.58	0.05	
73762	10.921	0.048	9.489	0.023		1.208	0.042	T	1.17	0.04	L	9.5178	0.0019	0.026	124		9.47	9.56		U			1							
73763	11.263	0.079	9.048	0.021		1.871	0.067	T	2.35	0.15	O	8.9076	0.0102	0.043	62		8.83	9.00		U 2			1							P
73764	8.176	0.012	6.546	0.014		1.389	0.015	T	3.09	0.06	O	6.1573	0.0179	0.101	113		6.12	6.37		U 2 C			1 S							S
73765	8.082	0.006	7.546	0.006		0.503	0.008	T	0.58	0.01	L	7.6056	0.0014	0.014	145		7.58	7.63					1							S
73766	8.373	0.013	7.919	0.013		0.442	0.015	T	0.51	0.02	L	7.9939	0.0010	0.010	78		7.98	8.02					1							S
73767	10.519	0.046	9.560	0.032		1.000	0.040	G	0.98	0.03	K	9.6203	0.0026	0.017	67		9.59	9.66		C			1							
73768	8.756	0.010	8.232	0.009		0.492	0.012	T	0.56	0.01	L	8.2911	0.0016	0.017	123		8.26	8.32					1 G							S
73769	9.744	0.014	8.581	0.009		0.998	0.013	T	0.98	0.01	L	8.6169	0.0013	0.018	254		8.58	8.64					1							
73770	8.307	0.007	7.822	0.008		0.456	0.010	T	0.53	0.01	L	7.8906	0.0011	0.010	137		7.87	7.91		C			1							S
73771	7.302	0.005	5.788	0.003		1.273	0.005	T	1.23	0.01	L	5.8127	0.0008	0.008	144		5.80	5.83					1							S
73772	9.390	0.020	8.746	0.018		0.591	0.020	T	0.66	0.02	L	8.7948	0.0019	0.019	80		8.76	8.82		C			1							
73773	10.417	0.028	9.504	0.021		0.814	0.002	G	0.85	0.00	H	9.5889	0.0020	0.020	123		9.54	9.62		C			1							
73774	10.103	0.033	8.560	0.017		1.296	0.029	T	1.26	0.03	L	8.5590	0.0017	0.014	61		8.52	8.59		C			1							
73775	10.488	0.039	8.465	0.013		1.676	0.033	T	1.70	0.03	L	8.3907	0.0021	0.019	91		8.36	8.43					1							
73776	6.351	0.002	5.270	0.002		0.935	0.002	T	0.93	0.00	L	5.3234	0.0005	0.005	204		5.32	5.33		C			1							S
73777	10.470	0.042	9.726	0.036		0.666	0.042	T	0.73	0.04	L	9.8568	0.0058	0.039	78		9.79	9.91		U			1							G
73778	9.394	0.012	9.408	0.017		−0.008	0.019	T	0.01	0.02	L	9.4138	0.0022	0.031	196		9.36	9.46					1 S							
73779	9.187	0.019	8.769	0.020	*	0.409	0.023	T	0.48	0.03	L *	8.6866	0.0019	0.013	64	*	8.66	8.70		D	15048−3556	I 1	2 C A	AB	191	0.856	0.003	0.65	0.02	
73780	10.086	0.029	9.401	0.026		0.667	0.000	G	0.73	0.00	H	9.4234	0.0043	0.029	73		9.38	9.48		U 2			1							
73781	10.587	0.057	9.538	0.036		0.907	0.012	G	0.91	0.01	H	9.6137	0.0029	0.025	64		9.56	9.65		C			1							
73782	11.036	0.073	10.696	0.087		0.338	0.010	G	0.39	0.01	H	10.8960	0.0043	0.038	98		10.81	10.96		C			1 S							D
73783	10.929	0.064	8.962	0.021		1.500	0.040	G	1.63	0.16	K	8.8392	0.0034	0.016	56		8.82	8.88					1 S							
73784	9.171	0.013	7.974	0.009		1.025	0.012	T	1.00	0.01	L	8.0382	0.0015	0.013	119		8.02	8.06					1							S
73785	7.468	0.004	7.223	0.004		0.219	0.002	G	0.24	0.00	H	7.2629	0.0008	0.011	250		7.25	7.28		C			1							S
73786	11.405	0.175	9.813	0.064		1.300	0.015	G	1.57	0.01	A	9.9124	0.0031	0.027	38		9.87	9.97		D			1							
73787	11.131	0.067	9.632	0.030		1.210	0.008	G	1.35	0.01	I	9.6153	0.0024	0.018	71		9.58	9.64		C			1 O							
73788	10.071	0.019	9.612	0.020		0.433	0.025	T	0.50	0.03	L	9.6208	0.0024	0.033	194		9.57	9.68		U			1 S							G
73789	9.670	0.027	7.990	0.013		1.404	0.024	T	1.38	0.03	L	7.9913	0.0020	0.013	84		7.97	8.02		C			1							
73790	10.729	0.079	8.950	0.030		1.482	0.067	T	1.50	0.10	L	8.8646	0.0030	0.019	47		8.83	8.89		C			1							
73791	9.131	0.013	7.826	0.008		1.109	0.012	T	1.07	0.01	L	7.8612	0.0013	0.013	131		7.84	7.88		C			1							S
73792	9.883	0.023	9.439	0.023		0.433	0.026	T	0.50	0.03	L	9.5082	0.0024	0.021	104		9.47	9.56		C			1							
73793	9.106	0.042	8.594	0.035	*	0.481	0.050	T	0.55	0.05	L *	8.9542	0.0017	0.020	176	*	8.92	9.00		D	15049+3428	I 1	2 C A	AB	150	1.375	0.006	1.04	0.03	S
73794	9.614	0.024	9.006	0.022		0.565	0.024	T	0.64	0.02	L	9.1109	0.0023	0.013	63		9.09	9.13		C			1							
73795	10.625	0.052	10.094	0.050		0.498	0.065	T	0.57	0.07	L	10.1886	0.0040	0.030	74		10.13	10.23		C			1							G
73796	9.520	0.017	8.303	0.011		1.040	0.016	T	1.01	0.01	L	8.3476	0.0014	0.018	138		8.32	8.38					1							
73797	12.376	0.167	10.533	0.048		1.564	0.082	G	1.69	0.17	K	10.5838	0.0045	0.040	128		10.50	10.66					1							
73798	10.674	0.053	10.058	0.051		0.633	0.002	G	0.70	0.00	H	10.0722	0.0035	0.020	57		10.04	10.11		C			1							G
73799	9.386	0.018	8.322	0.012		0.922	0.016	T	0.92	0.01	L	8.3938	0.0018	0.014	101		8.37	8.42					1							S
73800	10.809	0.082	9.986	0.062		0.693	0.004	G	0.75	0.00	H	9.9888	0.0050	0.026	30		9.95	10.05					1							

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)										Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
73801	15 05 00.25	+41 06 34.1	7.56	H	226.251 032 54	+41.109 460 00	4.09	7.09	−8.97	0.50	0.58	0.71	0.57	0.67	+10	− 3	−18	+ 1	−11	+ 4	−12	− 4	+ 7	− 9	1	−0.22
73802	15 05 01.94	+07 14 22.7	10.68	H	226.258 094 45	+07.239 649 05	4.13	−1.07	5.79	2.71	1.73	2.18	3.93	2.10	+40	−24	−25	+54	+33	− 9	+36	+28	− 4	+54	0	−0.07
∗73803	15 05 05.51	+79 03 37.5	12.19	H	226.272 954 78	+79.060 408 41 B	21.05	−13.65	38.49	89.81	90.77	46.91	48.70	56.28	+ 7	−24	−23	−15	+ 5	− 1	+ 5	− 7	− 1	+ 1	3	2.81
∗73804 H	15 05 05.43	−43 07 58.0	8.68	H	226.272 640 94	−43.132 771 17 A	9.84	39.73	−32.56	3.51	2.70	1.93	1.83	1.82	−34	− 2	−14	+ 5	+ 7	−22	+ 0	+12	−16	−18	0	0.13
73805	15 05 06.36	−32 16 16.7	9.79	H	226.276 503 98	−32.271 312 60	15.89	−90.90	27.04	1.72	1.28	1.85	2.23	1.63	−16	− 4	− 7	+18	+ 1	+16	+ 5	+10	− 8	+ 1	0	1.38
73806	15 05 06.98	−40 10 59.0	8.99	H	226.279 095 48	−40.183 067 65	5.93	−0.12	−23.21	1.12	0.83	1.38	1.24	1.30	−47	− 5	−21	−11	+ 8	− 6	+ 5	− 6	+ 4	−28	0	0.59
73807 H	15 05 07.11	−47 03 04.3	3.91	H	226.279 606 99	−47.051 193 86 A	6.56	−23.39	−21.11	0.88	0.82	0.96	0.81	0.92	−29	−27	− 5	+ 6	− 4	−18	− 1	+19	− 8	−31	4	1.17
73808	15 05 07.29	+73 53 30.4	7.56	H	226.280 391 87	+73.891 791 00	7.57	−1.64	33.44	0.52	0.52	0.58	0.55	0.61	+16	−31	−25	−13	− 2	+14	+ 2	+ 0	+ 0	+12	0	1.71
73809	15 05 07.96	+30 50 17.4	9.27	H	226.283 150 63	+30.838 180 02	0.47	−7.46	−13.82	0.78	0.90	1.33	0.85	1.06	+18	−18	−19	+ 5	−22	+ 5	−17	+18	−17	− 9	1	1.61
73810	15 05 09.59	−73 52 10.5	8.64	H	226.289 937 96	−73.869 589 40	2.12	−19.61	−18.09	0.68	0.75	1.00	0.78	0.92	+20	− 7	−10	− 3	+12	−29	+ 8	+29	−18	+30	1	−0.95
73811	15 05 10.10	−40 34 09.6	7.45	H	226.292 071 08	−40.569 327 23	2.73	−20.58	3.10	0.82	0.61	1.03	0.84	0.98	−45	− 2	−20	−19	+ 7	−29	− 8	+ 1	+ 1	−37	0	−0.88
73812	15 05 10.87	−72 11 22.4	7.23	H	226.295 279 97	−72.189 562 14	5.86	−19.35	−22.83	0.48	0.58	0.72	0.58	0.71	+18	− 7	+ 7	+ 2	+ 5	− 5	+ 5	+ 6	− 6	+36	0	−0.04
73813	15 05 11.97	−32 06 41.7	10.18	H	226.299 877 52	−32.111 578 33	3.99	−22.20	−19.98	1.77	1.29	1.90	2.22	1.70	− 7	− 7	−24	+33	− 5	+21	+ 0	+26	+ 2	−10	0	0.27
73814	15 05 12.39	−40 55 52.2	9.99	H	226.301 622 01	−40.931 180 34	20.90	130.32	−84.58	1.49	1.04	1.88	1.69	2.04	−58	−19	+ 5	+ 8	−13	−41	−25	+21	+18	−51	2	−1.80
73815	15 05 13.25	+06 17 25.8	8.18	G	226.305 209 12	+06.290 512 91	19.12	−2.40	−248.01	1.07	0.83	1.11	0.97	0.87	+ 4	−42	−14	+18	− 8	− 6	− 1	+19	−19	− 8	0	0.22
∗73816	15 05 14.36	+79 03 34.5	9.38	H	226.309 822 94	+79.059 570 19 A	6.08	22.66	−32.29	2.86	2.92	2.39	2.50	2.90	+ 5	−18	−11	−25	− 1	+ 4	+ 1	−17	− 6	− 3	3	2.81
∗73817	15 05 13.99	−60 28 01.5	8.11	H	226.308 308 39	−60.467 075 26	5.10	5.62	−23.61	0.80	0.76	1.08	0.92	0.93	+ 2	−28	+10	− 1	− 1	−18	+ 1	− 3	− 1	+18	0	2.11
73818	15 05 14.69	+09 58 43.5	10.02	H	226.311 223 92	+09.978 754 84	3.15	−8.23	−10.92	1.95	1.44	2.02	1.86	1.68	+19	−44	−24	+38	+12	+ 4	+ 8	+36	+12	+ 5	0	0.48
73819	15 05 16.44	+21 49 32.5	9.67	H	226.318 484 53	+21.825 693 74	4.69	−21.15	11.36	0.86	0.97	1.29	1.13	1.29	−26	−10	− 7	+ 8	+ 1	− 8	+ 0	+ 2	− 8	−44	2	−0.26
73820	15 05 16.82	−23 00 47.9	7.53	H	226.320 062 86	−23.013 305 85	3.53	−16.66	−6.16	0.90	0.59	1.02	1.24	0.83	−24	− 5	−22	+20	−19	+27	−11	+ 9	+ 9	+ 5	0	1.68
73821	15 05 16.94	+02 01 00.9	8.05	H	226.320 582 14	+02.016 918 98	4.62	−56.91	−14.17	0.94	0.86	1.14	1.03	0.97	−24	−32	−29	+25	−12	+ 4	−10	+15	− 4	−37	0	0.08
73822	15 05 17.37	−19 36 16.7	9.18	H	226.322 374 80	−19.604 649 91	0.24	−13.75	−4.12	1.10	0.79	1.49	1.46	1.49	−28	−22	−36	+33	+ 2	−25	−20	−17	+53	−54	0	1.53
73823	15 05 17.90	+00 29 38.4	7.95	H	226.324 567 21	+00.494 000 22	2.96	−8.25	−11.14	1.10	0.93	1.35	1.32	1.14	−22	−26	−43	+35	− 2	− 9	−14	−12	+20	−47	0	1.11
73824	15 05 18.32	−29 59 25.2	7.06	H	226.326 334 19	−29.990 331 67	6.52	−10.81	−17.48	1.06	0.67	1.07	1.34	0.84	+24	−32	−32	−23	−24	+17	−23	− 3	+ 4	+34	0	2.89
73825	15 05 18.81	+64 25 14.0	8.56	H	226.328 382 07	+64.420 559 11	2.96	−2.78	8.00	0.64	0.62	0.67	0.69	0.74	+18	−12	−17	−26	−14	− 2	−15	− 5	+ 1	+13	0	−0.04
73826	15 05 19.15	−41 04 02.0	5.13	H	226.329 785 05	−41.067 233 79	8.88	22.64	−0.84	0.74	0.58	0.94	0.85	1.11	−59	− 1	− 6	− 5	−10	−47	−24	+24	+14	−61	0	−1.86
73827	15 05 19.79	−18 37 33.5	9.18	H	226.332 459 27	−18.625 972 92	0.82	−18.39	−2.32	1.21	0.82	1.53	1.71	1.62	−29	−25	−16	+16	−14	−28	−32	− 2	+50	−48	0	1.79
73828 H	15 05 20.02	−66 14 42.1	8.94	H	226.333 423 88	−66.245 023 90 A	−0.28	−12.21	−10.69	2.03	2.26	3.16	1.98	3.00	+29	+ 1	− 1	−14	+11	+ 2	+ 1	+24	+ 5	+41	2	1.70
∗73829	15 05 20.12	+39 57 13.7	9.46	H	226.333 845 96	+39.953 794 67	7.07	11.50	−13.24	0.90	1.01	1.31	1.05	1.12	+18	+ 5	+18	−18	−14	+ 5	−11	− 3	+23	+ 2	0	−0.48
∗73830	15 05 20.09	−23 46 34.9	7.99	H	226.333 714 05	−23.776 348 94	3.63	16.23	−3.17	0.98	0.79	1.15	1.19	0.94	− 9	−11	−40	+10	−10	+ 0	− 9	+24	−22	+ 1	0	0.77
73831	15 05 20.19	+32 20 32.1	8.17	H	226.334 109 51	+32.342 237 88	3.91	−22.51	15.55	0.44	0.63	0.95	0.52	0.74	+33	− 6	−15	− 7	− 5	− 6	− 6	+ 3	− 1	+32	0	−1.79
73832	15 05 20.94	−22 59 24.5	9.90	H	226.337 249 78	−22.990 134 50	9.58	1.10	−31.98	1.69	1.08	1.92	2.55	1.50	−29	+10	−30	+26	−31	+42	−20	+18	− 1	+ 9	0	0.95
73833	15 05 21.48	−48 10 17.4	8.22	H	226.339 488 31	−48.171 488 74	15.04	−84.62	−93.80	0.75	0.68	1.01	0.81	0.80	−21	−19	− 1	− 2	+ 6	−31	+ 5	− 2	+ 6	−21	0	1.53
73834	15 05 22.00	−78 10 01.7	7.67	H	226.341 681 41	−78.167 133 19	10.94	−30.99	−26.53	0.50	0.53	0.67	0.47	0.59	+ 8	−27	+ 5	+ 2	+ 2	+ 0	− 1	+21	+11	+10	1	−0.35
73835	15 05 22.51	−26 51 06.0	8.37	H	226.343 789 13	−26.851 669 63	9.98	−93.11	−46.24	0.99	0.74	1.21	1.40	1.02	− 8	− 9	−39	+16	−20	+31	− 9	+15	− 5	− 9	0	0.48
73836 H	15 05 22.62	+13 38 20.7	9.32	H	226.344 244 86	+13.639 093 74 A	8.03	−29.37	1.04	2.57	2.41	2.98	2.56	2.88	−53	−12	− 5	− 7	+ 1	+ 1	− 6	−26	+27	−57	0	0.19
73837	15 05 23.80	+55 40 38.1	7.69	H	226.349 183 95	+55.677 244 91	6.69	−35.52	27.49	0.51	0.53	0.64	0.49	0.53	+ 2	−12	− 6	−12	− 8	−11	− 9	− 8	+11	−20	0	−2.57
73838	15 05 24.71	−65 05 27.9	10.17	G	226.352 960 93	−65.091 077 29	5.88	−6.59	−6.03	1.16	1.18	1.88	1.26	1.46	+19	−37	−19	+36	+ 9	−31	+ 9	+18	−15	+22	1	0.56
73839	15 05 24.79	+49 40 18.3	8.99	H	226.353 288 23	+49.671 747 41	2.24	−12.90	−4.07	0.75	0.73	0.87	0.84	0.83	+12	+ 1	+ 2	−12	+ 1	− 1	+ 0	+19	− 8	+16	0	−0.49
73840	15 05 25.35	−10 35 44.9	9.52	G	226.355 638 34	−10.595 797 12	4.18	−24.82	15.28	1.38	1.05	1.62	2.17	1.38	−33	+ 8	−30	+ 1	− 6	−16	− 7	−35	+26	−39	0	0.12
73841	15 05 25.89	+48 09 03.2	5.59	H	226.357 881 74	+48.150 900 31	12.55	−65.26	29.71	0.44	0.41	0.52	0.62	0.49	+ 7	+ 9	− 4	+ 2	− 5	+ 0	− 6	+ 4	−16	+ 1	0	−0.19
73842	15 05 26.77	−23 40 59.0	10.31	H	226.361 562 36	−23.683 064 90	6.28	−39.20	−12.76	1.78	1.51	2.04	2.18	1.87	−18	+ 0	−40	+10	−26	+14	−25	+38	−25	−12	0	0.11
73843 H	15 05 29.23	−05 00 35.1	8.83	H	226.371 795 50	−05.009 753 24 A	8.54	−37.39	36.02	2.83	1.73	2.66	3.02	2.07	−35	−25	−18	+24	−43	+ 3	−42	+17	+17	−31	4	2.57
73844	15 05 29.70	+11 51 25.8	7.75	1 H	226.373 760 68	+11.857 179 46	−0.18	−24.03	−6.38	0.77	0.71	1.00	0.82	0.95	−39	−16	− 6	+ 2	−35	+15	−41	+17	+17	−46	0	0.52
73845	15 05 29.83	+43 30 30.5	9.12	H	226.374 294 75	+43.508 469 95	14.62	−175.49	−131.88	0.82	0.81	1.04	0.92	0.96	+20	+10	− 4	− 3	−10	− 8	−12	−10	+ 0	+ 6	1	−0.16
73846 H	15 05 31.05	−07 00 48.8	7.56	G	226.379 363 06	−07.013 568 05 A	22.04	−225.19	−5.44	2.11	1.41	1.96	1.92	1.27	−34	−32	−12	+16	−31	−13	−37	−11	+32	−33	1	0.15
73847	15 05 31.97	−13 30 05.6	9.61	H	226.383 193 73	−13.501 542 12	13.35	−49.70	−72.18	1.28	0.82	1.52	1.49	0.87	−28	−16	−21	+24	−11	+33	+ 4	−22	+ 1	−13	0	−0.40
73848	15 05 33.35	−38 34 06.1	9.42	H	226.388 974 22	−38.568 372 75	3.23	−7.93	−19.18	1.09	0.97	1.42	1.10	1.02	− 2	−33	−38	+10	+11	− 7	+ 4	+ 0	+15	−10	0	−0.81
73849 H	15 05 33.47	+11 37 53.2	8.35	H	226.389 440 80	+11.631 446 42 A	9.96	44.57	−77.67	2.54	2.15	2.84	2.48	2.72	−55	+ 0	−16	+ 3	−28	+27	−40	+ 3	+ 1	−55	1	1.42
73850	15 05 33.90	−30 33 03.8	6.48	H	226.391 243 03	−30.551 068 19	31.40	10.60	83.89	0.79	0.64	1.01	0.94	0.81	+ 0	−23	−39	− 4	−21	+24	−12	+11	− 6	−17	3	1.93
73851	15 05 35.83	−34 32 25.1	8.68	1 H	226.399 280 63	−34.540 312 31	3.61	0.42	−7.47	0.94	0.73	1.08	0.89	0.82	− 9	−28	−13	+13	+ 6	− 6	+ 3	+ 6	+10	−11	0	−0.29
73852	15 05 36.37	−01 18 56.8	8.31	H	226.401 533 66	−01.315 774 99	12.38	1.64	−38.58	1.13	0.80	1.23	1.13	0.94	−27	−45	−12	+32	− 8	− 2	−10	+ 7	+ 1	−44	3	0.19
73853	15 05 37.07	−00 44 48.6	8.92	H	226.404 458 30	−00.746 844 14	1.12	−12.11	−0.10	1.34	1.09	1.81	1.43	1.38	−19	−54	−36	+23	+ 4	−22	−28	−23	+39	−62	0	2.17
73854	15 05 37.45	+45 23 49.9	10.53	H	226.406 058 20	+45.397 196 99	7.64	−35.93	0.33	1.15	1.04	1.34	1.41	1.36	+24	−10	+ 1	+15	+ 8	+24	+ 8	+16	+ 0	+17	0	0.10
73855	15 05 38.34	−35 46 09.5	11.19	2 H	226.409 759 29	−35.769 312 73	−5.66	2.24	−13.06	2.81	2.05	3.08	3.15	2.44	− 1	−32	+ 0	+ 8	+ 8	−16	+10	− 3	− 5	+18	0	0.74
73856	15 05 39.38	−06 35 26.4	10.26	H	226.414 099 93	−06.590 661 54	4.88	−9.05	22.24	2.09	1.35	2.13	2.62	1.63	−43	− 6	−18	+47	−41	+14	−35	+11	+12	−32	0	−0.07
73857	15 05 40.27	−28 42 53.3	8.83	H	226.417 792 97	−28.714 805 00	9.82	−10.98	17.44	1.17	0.88	1.32	1.31	1.03	+ 1	−31	−27	+21	+ 5	+ 1	+ 2	+ 9	+12	− 6	0	0.71
73858	15 05 40.38	+20 23 35.4	8.54	H	226.418 258 75	+20.393 153 91	3.46	−9.75	6.82	0.75	0.85	1.16	0.96	1.08	−21	−14	−21	+31	− 4	−10	− 9	+22	+ 8	−44	0	−0.59
73859	15 05 41.02	−04 22 06.2	9.10	G	226.420 934 92	−04.368 396 63	10.19	−30.71	−29.25	1.16	0.82	1.21	1.34	1.00	−42	−10	−11	+36	−10	+18	+ 1	−20	− 3	−29	0	1.43
73860	15 05 41.58	−55 40 38.7	10.68	G	226.423 229 82	−55.677 414 60	2.21	−5.47	1.30	1.45	1.33	2.14	1.75	1.84	+ 1	−32	−15	+ 8	+23	−27	+21	− 7	− 1	−14	0	0.65
73861	15 05 42.51	−06 50 35.8	9.59	H	226.427 137 44	−06.843 291 04	5.53	−19.15	24.45	1.81	1.11	1.91	2.18	1.42	−37	−32	−14	+33	−44	+14	−44	+ 7	+22	−29	0	2.32
73862	15 05 42.79	−01 59 07.4	7.33	H	226.428 288 25	−01.985 377 69	5.22	−23.96	−8.35	0.99	0.61	0.98	1.16	0.71	−30	−27	− 0	+47	−11	+11	− 5	− 6	−16	−23	0	−0.58
73863	15 05 45.19	+05 11 36.9	9.95	H	226.438 303 36	+05.193 582 94	4.41	5.07	−67.37	2.15	1.39	1.87	3.54	1.84	+27	+15	+ 3	+51	+31	+19	+40	+17	+15	+56	0	1.04
73864	15 05 46.01	+71 52 57.6	7.46	G	226.441 700 01	+71.882 662 36	5.23	−88.96	20.28	0.56	0.52	0.59	0.66	0.57	− 9	− 2	−25	− 3	−13	+ 4	− 9	+20	−21	−22	0	0.71
73865	15 05 47.73	−25 47 22.0	6.65	H	226.448 861 39	−25.789 437 22	5.78	−1.10	−20.01	0.86	0.61	1.01	1.26	0.91	− 8	+10	−26	−12	−16	− 7	−23	+10	−42	+27	0	0.89
73866	15 05 48.64	−51 27 26.0	9.56	H	226.452 666 69	−51.457 212 78	4.42	−10.74	13.53	0.89	1.07	1.40	1.15	1.50	−21	−17	−36	+ 6	+ 3	−20	− 6	+ 7	+22	−45	0	1.94
73867	15 05 48.71	−20 24 54.9	8.64	H	226.452 954 25	−20.415 252 68	2.26	10.11	−2.86	1.08	0.74	1.64	1.37	1.43	−19	−32	−48	+34	+ 4	−22	−26	−29	+60	−50	0	0.82
73868	15 05 49.22	+31 03 53.2	7.96	H	226.455 093 68	+31.064 768 88	4.34	5.97	−23.94	0.56	0.58	0.90	0.56	0.68	+20	−18	−11	+19	−16	+ 1	−19	+10	− 5	+ 5	2	0.29
73869	15 05 50.07	+64 02 49.0	8.40	1 H	226.458 610 33	+64.046 937 08	22.59	−121.47	112.21	0.64	0.64	0.68	0.63	0.73	+21	−24	−27	−33	−12	+ 5	−12	−21	+ 6	+ 6	0	−0.44
73870	15 05 51.30	−50 32 50.7	8.05	H	226.463 769 87	−50.547 426 48	2.27	−11.83	−5.18	0.74	0.74	1.08	0.92	1.05	− 7	−23	−31	+25	+ 2	−20	− 8	+15	+24	−31	2	1.36
73871	15 05 51.42	−74 35 43.6	8.62	H	226.464 252 86	−74.595 442 20	0.06	6.20	1.41	0.66	0.75	0.93	0.87	0.86	+21	− 9	− 2	+11	+21	− 9	+17	+25	− 6	+39	0	0.04
73872	15 05 51.85	+22 41 19.7	8.71	H	226.466 047 24	+22.688 817 99	4.37	2.67	29.63	0.72	0.62	1.12	0.75	0.81	− 5	−19	+ 2	+47	+21	−13	+14	+ 2	−16	−38	0	0.16
73873	15 05 54.46	+78 24 25.4	8.33	H	226.476 913 20	+78.407 057 13	2.87	−16.15	−4.54	0.67	0.67	0.73	0.73	0.77	− 2	− 9	−21	−29	+ 9	+ 0	+ 9	−13	− 6	+ 4	1	−0.54
73874	15 05 54.61	+03 59 15.0	8.36	G	226.477 536 33	+03.987 496 84	3.39	−13.17	−11.05	1.19	0.92	1.40	1.88	1.13	+15	−30	−41	+13	+17	−28	+ 4	+ 1	+ 5	+20	0	0.91
73875	15 05 55.78	+53 41 53.1	9.19	G	226.482 409 51	+53.698 082 15	4.07	4.43	7.49	0.77	0.72	0.90	0.77	0.72	+10	+ 3	− 4	− 5	−20	− 6	−21	−10	−22	−12	2	−0.38
73876	15 05 57.01	+07 48 47.6	11.12	H	226.487 534 34	+07.813 231 80	4.56	−4.93	−6.95	6.96	5.33	6.96	8.66	5.92	+21	−41	−28	+35	+29	−12	+27	+10	− 6	+26	0	
73877	15 05 58.28	+04 14 00.5	7.22	G	226.492 813 59	+04.233 480 43	10.39	−60.00	4.67	1.00	0.78	1.11	1.59	0.94	+ 9	−19	−32	+20	+24	−33	+17	+ 6	−11	+28	0	1.35
73878	15 05 59.19	−45 00 14.5	8.31	H	226.496 623 17	−45.004 015 17	3.25	−17.13	−28.17	0.79	0.70	1.06	0.80	0.80	−26	−32	− 6	+ 9	+ 3	−16	+ 1	+11	+ 2	−12	0	0.51
73879	15 06 01.40	−36 05 38.4	8.68	H	226.505 825 14	−36.094 000 81	1.17	−16.45	−6.67	1.08	0.91	1.26	1.32	1.06	−11	−20	+ 0	+ 7	+ 4	−12	+ 6	+ 1	− 3	+13	0	0.18
73880	15 06 01.71	−14 15 23.4	9.20	H	226.507 108 71	−14.256 491 94	3.16	−0.04	2.27	1.13	0.78	1.43	1.72	1.03	−21	+ 0	−28	− 6	−32	+37	−19	− 4	−32	+ 2	0	2.54
73881	15 06 02.42	−48 53 00.1	6.48	G	226.510 070 58	−48.883 367 90	1.91	−2.26	−9.58	0.57	0.51	0.70	0.68	0.63	−18	−27	−10	+26	+ 8	− 4	+ 8	+15	+ 3	− 8	0	0.24
73882	15 06 02.57	+57 45 05.0	7.73	H	226.510 716 63	+57.751 380 64	6.37	−78.62	81.95	0.53	0.52	0.61	0.55	0.56	+ 7	− 3	−11	−16	− 6	− 2	− 2	+11	−10	− 9	0	0.42
73883	15 06 03.12	−87 10 26.8	8.27	H	226.512 993 90	−87.174 115 09	12.52	10.19	32.30	0.65	0.64	0.77	0.70	0.72	+15	+15	+15	−27	−14	−34	−10	+14	− 4	+10	0	0.45
73884	15 06 03.13	−22 24 14.2	7.14	H	226.513 049 07	−22.403 957 69	5.15	3.51	−9.23	0.81	0.52	0.89	1.03	0.76	−21	− 9	−16	− 9	−18	+17	−18	− 3	− 9	+ 4	0	1.86
73885	15 06 04.03	−46 56 01.7	9.03	G	226.516 789 51	−46.933 816 89	2.66	27.51	−3.88	0.92	0.82	1.24	1.04	1.11	−13	−21	−17	+19	− 4	−18	− 5	+24	− 8	−23	0	2.39
73886	15 06 04.77	−09 32 17.2	8.46	H	226.519 874 92	−09.538 115 56	2.56	1.83	−12.60	1.22	0.89	1.49	1.75	1.22	−32	−12	−27	+ 1	− 7	− 5	− 7	−39	+29	−26	0	0.72
73887	15 06 04.80	+28 59 58.4	9.39	H	226.520 002 14	+28.999 559 91	1.76	−0.56	−7.27	0.90	0.86	1.36	0.82	1.18	−24	−11	−16	−57	+14	+10	+30	− 6	−27	−51	1	1.23
73888	15 06 06.24	−11 11 47.8	8.85	H	226.526 017 14	−11.196 614 85	8.83	69.05	21.18	1.33	1.09	1.92	1.76	1.25	−15	− 5	−61	+16	+ 4	−13	− 6	−44	+44	−24	0	−0.16
73889	15 06 06.76	−28 17 26.3	8.79	G	226.528 171 03	−28.290 636 54	8.38	−59.73	−157.58	1.16	0.91	1.29	1.29	1.09	−21	−26	−11	+23	−13	− 4	−15	+26	+ 5	−23	0	−2.27
73890	15 06 07.70	+29 25 56.6	9.18	H	226.532 090 77	+29.432 382 66	3.88	−16.66	3.57	0.77	0.85	1.26	0.77	1.00	− 8	−20	−22	−41	+ 2	+13	+21	+18	−27	−37	0	0.68
73891	15 06 08.05	+34 45 12.8	7.89	H	226.533 535 65	+34.753 546 29	4.50	23.64	−19.82	0.53	0.57	0.84	0.66	0.67	+21	− 5	−10	+ 3	+10	−16	+ 8	+11	− 7	+27	0	2.09
73892 H	15 06 08.53	−65 23 21.8	8.40	H	226.535 561 89	−65.389 378 98 A	6.82	−11.06	−34.26	2.62	2.09	3.00	2.88	2.83	+26	−16	+ 2	+40	+11	−23	+10	+17	− 6	+23	2	1.83
73893	15 06 09.71	−37 50 04.0	9.42	H	226.540 457 73	−37.834 444 13	10.30	−18.02	−43.25	1.31	1.16	1.54	1.42	1.44	−16	−33	−11	+ 8	−17	+ 1	−16	+35	+ 4	−30	5	1.47
73894	15 06 10.13	+51 25 13.8	9.89	H	226.542 199 83	+51.420 486 69	2.16	−5.89	−5.46	0.86	0.83	1.01	0.97	1.01	+18	−24	−18	−15	− 2	− 2	− 2	−13	+ 1	+ 1	4	1.84
73895 H	15 06 10.59	+52 24 57.0	10.38	H	226.544 115 41	+52.415 835 20 A	7.52	−139.31	−170.44	3.60	3.12	3.65	3.50	2.86	+10	−32	−39	− 4	− 9	+18	−15	−25	+ 6	−32	3	0.67
73896	15 06 10.64	−24 07 52.7	6.73	H	226.544 335 62	−24.131 299 38	6.30	4.98	−83.64	0.84	0.65	0.99	1.11	0.80	−11	− 4	−41	+ 6	−16	+ 9	−14	+20	−19	+ 8	0	−0.38
73897	15 06 11.04	−71 07 54.8	7.68	H	226.546 008 35	−71.131 880 59	1.65	−7.23	−9.12	0.51	0.60	0.83	0.52	0.68	+29	−37	− 6	+ 5	+ 2	−23	+ 9	− 3	−21	+45	1	−0.69
73898	15 06 11.07	−30 25 06.3	7.94	H	226.546 142 96	−30.418 405 40	3.84	−8.73	24.62	1.05	0.71	1.20	1.12	0.84	+11	−35	−30	+ 0	−11	+16	− 8	+ 5	+ 4	+ 9	0	2.48
73899	15 06 11.36	−49 16 18.8	8.28	G	226.547 327 02	−49.271 888 85	10.49	−11.24	−160.31	0.81	0.83	1.07	0.92	1.13	−25	−20	− 5	+18	+ 4	−11	+ 2	+23	+20

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
73801	8.823	0.009	7.656	0.006		1.001	0.008	T	0.98	0.01	L	7.7228	0.0013	0.014	155		7.70	7.74					1							S
73802	10.913	0.073	10.396	0.066		0.486	0.089	T	0.56	0.09	L	10.8099	0.0041	0.037	51		10.73	10.88					1							G
73803											T	12.6967	0.4141			B				D	15052+7904	I 2	1 C I D							D
73804	9.397	0.016	8.764	0.014	*	0.583	0.016	T	0.65	0.01	L *	8.8031	0.0020	0.016	131	*	8.78	8.83		D	15051−4308	I 1	2 C A	AB	252	0.309	0.018	2.14	0.13	
73805	10.614	0.064	9.865	0.051		0.670	0.062	T	0.73	0.05	L	9.9210	0.0043	0.029	47		9.88	9.98		C			1							
73806	9.640	0.019	9.018	0.017		0.575	0.019	T	0.65	0.02	L	9.1170	0.0017	0.020	98		9.08	9.15		C			1							
73807	3.486	0.012	3.639	0.010	*	−0.144	0.007	G	−0.15	0.02	A *	3.8552	0.0006	0.005	89	*	3.85	3.87		D	15051−4703	I 1	2 C A	AB	68	1.647	0.002	0.08	0.01	S
73808	7.721	0.006	7.585	0.007		0.131	0.009	T	0.15	0.01	L	7.6099	0.0011	0.010	120		7.59	7.63					1							S
73809	10.647	0.032	9.370	0.018		1.087	0.029	T	1.05	0.02	L	9.4348	0.0025	0.023	160		9.39	9.48		C			1							
73810	10.118	0.023	8.750	0.013		1.158	0.021	T	1.12	0.02	L	8.8096	0.0019	0.023	171		8.77	8.85					1							
73811	9.571	0.018	7.629	0.007		1.611	0.015	T	1.63	0.01	L	7.5646	0.0015	0.013	105		7.55	7.59					1							
73812	8.305	0.009	7.334	0.006		0.853	0.008	T	0.87	0.01	L	7.3887	0.0012	0.013	161		7.36	7.41					1							S
73813	11.848	0.164	10.356	0.068		0.797	0.133	G	0.83	0.10	R	10.3325	0.0045	0.028	52		10.28	10.39		C			1							G
73814	11.425	0.082	10.101	0.039		1.120	0.073	T	1.20	0.10	L	10.1207	0.0022	0.020	109		10.08	10.16		C			1							G
73815	8.999	0.018	8.280	0.016		0.656	0.005	G	0.72	0.00	H	8.3078	0.0019	0.015	49		8.28	8.34					1							S
73816	9.972	0.025	9.394	0.023	A	0.540	0.030	T	0.61	0.03	L	9.4947	0.0295	0.025	92	A	9.45	9.55		D	15052+7904	I 2	1 C P D							D
73817	9.559	0.020	8.245	0.012		1.116	0.018	T	1.08	0.02	L	8.2780	0.0025	0.019	85		8.25	8.31					1							
73818	10.373	0.050	9.944	0.054		0.405	0.068	T	0.47	0.07	L	10.1108	0.0039	0.020	38		10.08	10.15					1							
73819	10.173	0.028	9.717	0.027		0.430	0.036	T	0.50	0.04	L	9.7615	0.0024	0.020	104		9.73	9.81		C			1							
73820	7.607	0.007	7.525	0.011		0.074	0.012	T	0.09	0.01	L	7.5636	0.0010	0.009	69		7.55	7.58		C			1							S
73821	9.465	0.024	8.188	0.015		1.087	0.022	T	1.05	0.02	L	8.2209	0.0015	0.013	54		8.20	8.26		C			1							S
73822	9.644	0.022	9.222	0.023		0.399	0.029	T	0.46	0.03	L	9.2683	0.0016	0.013	76		9.24	9.29			15053−1936	I 1	1							
73823	9.545	0.032	8.096	0.017		1.222	0.028	T	1.18	0.03	L	8.1141	0.0020	0.010	42		8.09	8.13					1							S
73824	8.462	0.014	7.185	0.008		1.087	0.013	T	1.05	0.01	L	7.2299	0.0010	0.007	51		7.21	7.24		C	15053−2959	I 1	1							S
73825	8.569	0.010	8.551	0.013		0.021	0.015	T	0.04	0.01	L	8.5706	0.0011	0.012	126		8.55	8.59		C			1							S
73826	6.426	0.004	5.247	0.003		1.011	0.004	T	0.99	0.00	L	5.2944	0.0009	0.006	111		5.29	5.31			15053−4104	I 1	1							S
73827	9.434	0.021	9.212	0.025		0.212	0.031	T	0.23	0.04	L	9.2466	0.0015	0.019	74		9.22	9.28					1							
73828	9.636	0.014	9.146	0.014	*	0.461	0.018	T	0.53	0.02	L *	9.0467	0.0021	0.028	236	*	9.00	9.10		D	15053−6615	I 1	2 C A	AB	265	0.817	0.003	0.42	0.02	
73829	9.883	0.022	9.501	0.022		0.362	0.029	T	0.42	0.03	L	9.5478	0.0027	0.038	126		9.49	9.61					1							S
73830	9.585	0.024	8.139	0.014		1.219	0.022	T	1.18	0.02	L	8.1517	0.0011	0.008	61		8.13	8.18					1							
73831	9.470	0.010	8.274	0.006		1.024	0.009	T	1.00	0.01	L	8.3350	0.0012	0.018	284		8.31	8.37					1							S
73832	10.635	0.054	9.974	0.048		0.634	0.020	G	0.70	0.02	H	10.0355	0.0039	0.022	67		9.99	10.07		C			1							
73833	9.053	0.016	8.299	0.013		0.673	0.016	T	0.73	0.01	L	8.3563	0.0022	0.014	83		8.33	8.38					1							
73834	8.110	0.007	7.713	0.006		0.401	0.007	G	0.47	0.01	H	7.7631	0.0011	0.013	171		7.74	7.79		C			1							S
73835	8.974	0.018	8.425	0.017		0.520	0.018	T	0.59	0.02	L	8.4809	0.0016	0.012	58		8.46	8.50					1							S
73836	10.119	0.033	9.566	0.031	A	0.560	0.072	G	0.63	0.07	R *	9.4396	0.0018	0.021	83	*	9.39	9.47		D	15054+1338	M 1	2 C A	AB	350	1.590	0.010	1.02	0.04	
73837	8.293	0.009	7.750	0.007		0.523	0.015	G	0.60	0.02	H	7.8010	0.0010	0.010	125		7.78	7.83					1							S
73838	10.280	0.025	10.107	0.033		0.113	0.007	G	0.13	0.01	H	10.2024	0.0031	0.044	152		10.13	10.26					1							G
73839	10.323	0.029	9.107	0.017		1.039	0.026	T	1.01	0.02	L	9.1605	0.0017	0.018	137		9.12	9.20		C			1							S
73840	10.073	0.035	9.495	0.033		0.540	0.020	G	0.61	0.02	H	9.6339	0.0028	0.025	62		9.59	9.68					1							
73841	5.576	0.003	5.581	0.003		−0.005	0.003	G	0.01	0.00	L	5.5915	0.0007	0.007	116		5.58	5.60		C	15054+4809	I 1	1							S
73842	10.927	0.077	10.445	0.082		0.454	0.102	T	0.52	0.11	L	10.4066	0.0047	0.030	57		10.35	10.44		C			1							G
73843	9.377	0.020	8.937	0.020	*	0.415	0.026	T	0.48	0.03	L *	8.9252	0.0021	0.016	87	*	8.90	8.96		D	15055−0501	H 1	2 C B	AB	270	0.820	0.065	3.21	0.18	
73844	9.745	0.018	7.935	0.008		1.507	0.016	T	1.54	0.02	L	7.8782	0.0017	0.018	136		7.85	7.91		U			1							S
73845	9.846	0.022	9.169	0.019		0.626	0.024	T	0.69	0.02	L	9.2498	0.0021	0.024	130		9.21	9.30		C			1							S
73846	8.477	0.020	7.803	0.017	A	0.596	0.015	G	0.67	0.01	H *	7.6828	0.0014	0.011	56	*	7.66	7.70		D	15055−0701	I 1	2 C A	AB	279	2.150	0.008	0.67	0.02	S
73847	10.539	0.052	9.695	0.040		0.742	0.050	T	0.79	0.04	L	9.7452	0.0016	0.014	57		9.71	9.76					1							
73848	9.754	0.023	9.462	0.026		0.277	0.036	T	0.31	0.04	L	9.4932	0.0024	0.019	64		9.47	9.53		C			1							
73849	9.103	0.012	8.556	0.012	*	0.512	0.015	T	0.58	0.02	L *	8.4603	0.0013	0.014	147	*	8.44	8.49		D	15056+1138	I 1	2 C A	AB	353	0.994	0.005	0.07	0.01	S
73850	7.042	0.007	6.533	0.007		0.489	0.008	T	0.56	0.01	L	6.5849	0.0016	0.008	55		6.57	6.60					1							S
73851	10.797	0.050	8.867	0.018		1.602	0.042	T	1.62	0.04	L	8.7921	0.0022	0.021	68		8.75	8.82		U			1							
73852	8.875	0.017	8.368	0.017		0.524	0.015	G	0.60	0.02	H	8.4192	0.0022	0.014	57		8.39	8.44					1							S
73853	10.180	0.037	8.993	0.023		1.017	0.034	T	0.99	0.03	L	9.0870	0.0024	0.014	45		9.06	9.12		C			1							
73854	11.332	0.065	10.532	0.052		0.724	0.064	T	0.78	0.04	L	10.6744	0.0031	0.030	116		10.62	10.74					1							G
73855	12.317	0.255	11.152	0.152		1.000	0.231	T	0.98	0.19	L	11.3559	0.0060	0.050	63		11.22	11.44		U			1							G
73856	10.854	0.068	10.371	0.068		0.455	0.088	T	0.52	0.09	L	10.3624	0.0055	0.026	61		10.31	10.41					1							
73857	9.346	0.021	8.854	0.020		0.474	0.022	T	0.55	0.02	L	8.9354	0.0021	0.016	66		8.91	8.96					1							
73858	8.948	0.013	8.540	0.013		0.317	0.015	G	0.37	0.02	H	8.6185	0.0018	0.015	97		8.59	8.65		C			1							S
73859	9.671	0.024	9.177	0.024		0.551	0.015	G	0.62	0.01	H	9.2143	0.0026	0.022	92		9.17	9.26		C			1							
73860	10.822	0.046	10.523	0.057		0.441	0.009	G	0.51	0.01	H	10.7920	0.0038	0.042	122		10.73	10.87					1							G
73861	10.173	0.043	9.649	0.043		0.492	0.055	T	0.56	0.06	L	9.7016	0.0026	0.016	56		9.65	9.73					1							
73862	8.641	0.016	7.447	0.011		1.024	0.015	G	1.00	0.01	H	7.5007	0.0017	0.009	61		7.49	7.52					1 G							S
73863	10.424	0.077	9.927	0.075		0.560	0.072	G	0.63	0.07	R	10.0764	0.0066	0.027	38		9.99	10.11					1							
73864	8.977	0.013	7.589	0.008		1.151	0.011	G	1.11	0.01	H	7.6313	0.0011	0.008	112		7.62	7.65		C			1							S
73865	6.621	0.006	6.645	0.007		−0.020	0.008	T	0.00	0.01	L	6.6493	0.0011	0.007	58		6.64	6.66		C			1							S
73866	10.243	0.034	9.585	0.030		0.601	0.034	T	0.67	0.03	L	9.6915	0.0028	0.017	81		9.66	9.73		C			1							G
73867	8.674	0.014	8.647	0.018		0.025	0.020	T	0.04	0.02	L	8.6529	0.0019	0.014	72		8.63	8.68		C			1							
73868	9.861	0.015	8.110	0.007		1.460	0.013	T	1.47	0.02	L	8.0923	0.0015	0.017	180		8.06	8.13					1							S
73869	9.234	0.013	8.482	0.011		0.677	0.005	G	0.74	0.00	H	8.5386	0.0025	0.020	115		8.51	8.57		U			1							S
73870	9.887	0.025	8.208	0.012		1.403	0.022	T	1.38	0.03	L	8.1915	0.0016	0.016	88		8.17	8.22		C			1							
73871	9.943	0.019	8.775	0.012		1.002	0.018	T	0.98	0.01	L	8.7839	0.0020	0.022	156		8.75	8.82					1							
73872	9.887	0.016	8.807	0.011		0.934	0.015	T	0.93	0.01	L	8.8752	0.0015	0.021	186		8.84	8.92					1							S
73873	9.587	0.019	8.413	0.012		1.007	0.018	T	0.98	0.01	L	8.4987	0.0013	0.013	92		8.47	8.52		C			1							
73874	8.600	0.018	8.388	0.020		0.205	0.015	G	0.23	0.02	H	8.4139	0.0025	0.012	40		8.40	8.44		C			1							S
73875	9.647	0.017	9.190	0.017		0.370	0.015	G	0.43	0.02	H	9.2729	0.0018	0.018	114		9.24	9.30		C			1							
73876						0.560	0.072	G	0.63	0.07	R	11.2402	0.0078	0.032	41		11.19	11.32		C			1 X							G G
73877	7.485	0.010	7.226	0.011		0.230	0.015	G	0.26	0.02	H	7.2822	0.0009	0.007	38		7.27	7.30		D			1							S
73878	9.897	0.025	8.451	0.014		1.219	0.022	T	1.18	0.02	L	8.4770	0.0014	0.014	101		8.45	8.51		C			1							
73879	10.664	0.047	8.849	0.019		1.510	0.040	T	1.54	0.06	L	8.7953	0.0027	0.016	61		8.77	8.82		C			1							
73880	10.751	0.063	9.370	0.030		1.169	0.055	T	1.13	0.05	L	9.3626	0.0025	0.017	66		9.33	9.39		C			1							
73881	6.302	0.005	6.452	0.005		−0.137	0.005	G	−0.13	0.01	H	6.4374	0.0011	0.009	84		6.43	6.45					1							S
73882	9.178	0.012	7.852	0.008		1.125	0.011	T	1.09	0.01	L	7.8977	0.0009	0.011	117		7.87	7.92					1							S
73883	8.847	0.011	8.352	0.011		0.477	0.012	T	0.55	0.01	L	8.3796	0.0017	0.016	125		8.36	8.41		C			1							S
73884	8.853	0.015	7.291	0.008		1.311	0.013	T	1.27	0.01	L	7.3005	0.0010	0.009	76		7.28	7.33		C			1							S
73885	9.790	0.033	9.198	0.031		0.544	0.015	G	0.62	0.01	H	9.1463	0.0025	0.020	85		9.10	9.18					1							
73886	9.586	0.029	8.560	0.020		0.894	0.026	T	0.90	0.02	L	8.6212	0.0019	0.013	56		8.60	8.65					1							S
73887	10.533	0.027	9.488	0.017		0.908	0.024	T	0.91	0.02	L	9.5510	0.0023	0.027	175		9.50	9.60					1							
73888	9.587	0.029	8.914	0.025		0.623	0.032	T	0.69	0.03	L	8.9797	0.0023	0.015	54		8.96	9.01		C			1							
73889	9.674	0.025	8.826	0.020		0.732	0.004	G	0.78	0.00	H	8.9323	0.0025	0.014	59		8.91	8.95		C			1							
73890	9.660	0.014	9.200	0.014		0.434	0.018	T	0.50	0.02	L	9.2725	0.0021	0.027	190		9.22	9.32					1							
73891	9.555	0.013	8.018	0.007		1.291	0.012	T	1.25	0.01	L	8.0470	0.0014	0.015	182		8.02	8.07		C			1							S
73892	9.029	0.011	8.581	0.011	*	0.436	0.013	T	0.50	0.01	L *	8.4956	0.0016	0.016	160	*	8.47	8.53		D	15061−6523	I 1	2 C A	AB	264	0.789	0.003	0.05	0.01	
73893	10.206	0.032	9.505	0.028		0.633	0.032	T	0.70	0.03	L	9.5542	0.0046	0.024	68		9.52	9.59					1							
73894	11.185	0.055	10.036	0.032		0.987	0.050	T	0.97	0.04	L	10.0552	0.0022	0.021	110		10.02	10.09		C			1							
73895	11.332	0.068	10.423	0.046	*	0.792	0.063	T	0.83	0.06	L *	10.5208	0.0040	0.032	109	*	10.47	10.59		D	15062+5225	H 1	2 C A	AB	303	0.549	0.008	0.93	0.04	
73896	8.062	0.014	6.861	0.008		1.028	0.013	T	1.00	0.01	L	6.8944	0.0007	0.006	55		6.89	6.91		D			1							S
73897	7.598	0.006	7.678	0.008		−0.045	0.005	G	−0.02	0.01	H	7.6740	0.0012	0.015	158		7.65	7.71					1							S
73898	9.826	0.026	8.096	0.013		1.443	0.023	T	1.44	0.04	L	8.0736	0.0023	0.015	56		8.05	8.10					1							
73899	9.404	0.020	8.333	0.014		0.940	0.015	G	0.99	0.02	I	8.4283	0.0018	0.017	81		8.41	8.46		C			1							
73900	7.673	0.009	7.234	0.009		0.410	0.015	G	0.48	0.02	H	7.2866	0.0013	0.011	59		7.27	7.30					1							S

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)										Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
*73901	15 06 13.95	−36 15 52.5	6.27	G	226.558 125 76	−36.264 585 13	2.39	−23.58	−5.68	0.71	0.60	0.81	0.86	0.74	−11	−20	− 6	+17	+ 2	− 1	+ 4	+ 8	− 1	+ 3	0	−0.26
*73902	15 06 13.93	+73 49 16.0	10.19	H	226.558 033 73	+73.821 110 74	3.20	−11.27	5.96	0.89	0.97	1.01	0.95	1.12	+18	−18	−25	+ 5	− 1	+ 6	+ 0	− 1	+ 1	+10	0	1.10
73903	15 06 14.58	−37 25 11.0	12.79	2 H	226.560 754 73	−37.419 709 52	−6.96	−404.99	−1082.21	15.59	12.74	18.06	15.76	14.58	− 8	−20	−21	− 6	+ 8	−15	+ 6	+ 0	− 4	−12	3	
73904	15 06 14.79	−19 22 38.8	7.66	H	226.561 634 32	−19.377 442 93	3.19	15.66	−24.14	0.88	0.62	1.13	1.18	1.16	−32	−24	−34	+36	− 3	−22	−24	− 9	+43	−60	0	−0.33
73905	15 06 15.32	+19 38 31.4	10.51	H	226.563 817 43	+19.642 052 03	12.17	−103.49	−104.40	1.66	1.77	2.62	2.10	2.46	−24	− 4	− 5	+37	− 1	+ 1	− 6	+ 2	− 8	−41	0	
73906	15 06 15.36	−09 35 28.1	9.01	H	226.563 992 88	−09.591 145 09	1.46	−13.54	−17.71	1.38	0.97	1.63	1.94	1.31	−25	−14	−25	+ 3	− 6	−12	− 9	−37	+29	−25	5	1.78
73907	15 06 15.47	+14 22 56.8	10.50	H	226.564 473 44	+14.382 455 66	−1.28	5.76	−2.68	1.46	1.06	1.91	1.85	1.78	+ 6	−24	−14	−31	−36	+14	−34	+ 2	+13	−33	2	0.01
73908	15 06 16.36	−01 52 11.4	8.98	H	226.568 177 25	−01.869 833 00	8.92	−85.67	−16.99	1.22	0.79	1.31	1.48	0.98	−35	−15	− 3	+33	− 5	+27	+ 0	−27	+ 1	−28	0	−1.71
73909	15 06 16.67	+54 33 22.6	5.24	H	226.569 454 60	+54.556 286 97	12.53	47.07	12.81	0.44	0.43	0.53	0.48	0.45	+ 4	− 5	−16	− 7	−13	+10	− 9	+ 1	−18	−26	0	−0.70
73910	15 06 16.97	+32 55 27.6	9.05	H	226.570 711 25	+32.924 321 79	8.43	−40.06	28.63	0.64	0.83	1.27	0.70	0.93	+26	− 3	− 3	+ 5	+12	−12	+14	+17	−17	+16	2	1.95
73911	15 06 17.48	+24 56 20.8	9.12	H	226.572 843 03	+24.939 110 66	5.91	−21.01	11.39	1.02	0.83	1.35	1.33	1.24	+ 5	−17	−10	+26	+19	−14	+ 8	−11	+19	−21	0	−0.34
73912	15 06 17.76	−03 46 03.7	9.20	H	226.573 997 35	−03.767 687 36	6.56	31.05	3.47	1.30	0.93	1.36	1.56	1.25	−56	− 6	−13	+35	−13	+21	− 4	−25	+ 4	−45	2	0.60
73913	15 06 17.95	−35 24 22.1	8.71	H	226.574 811 88	−35.406 147 63	7.08	−20.10	−19.16	1.09	0.78	1.27	0.99	0.86	+ 0	−40	−15	+ 8	+ 5	−29	− 2	− 7	+ 7	− 6	2	−0.60
73914	15 06 18.16	+05 33 01.5	7.22	G	226.575 658 30	+05.550 420 31	11.17	−5.76	−9.51	0.86	0.70	0.92	1.05	0.79	+ 1	−32	− 4	+28	+ 5	− 2	+13	+17	−17	+24	3	2.42
73915 H	15 06 18.25	+59 49 30.9	7.67	G	226.576 034 21	+59.825 242 44 A	6.35	28.24	−48.67	1.20	1.42	0.94	0.86	1.14	+26	−10	−23	+ 8	+ 4	− 9	− 1	+ 5	+ 8	+ 7	0	−0.35
73916	15 06 18.67	+09 08 31.8	10.56	H	226.577 772 23	+09.142 163 94	4.54	−11.86	22.45	2.11	1.87	2.55	2.32	2.13	+ 5	−43	−33	+34	+10	−21	− 2	+18	+11	−18	0	0.66
73917	15 06 21.02	+26 26 13.9	7.90	H	226.587 596 76	+26.437 193 03	4.73	−18.32	−18.49	0.76	0.63	0.98	1.00	0.92	−16	+ 9	−17	− 7	+28	−22	+22	−22	− 1	−45	0	−1.53
73918	15 06 21.24	+31 10 37.0	8.71	1 H	226.588 519 01	+31.176 937 13	6.83	−40.02	27.85	0.68	0.73	1.10	0.65	0.80	+21	−22	−20	+13	− 2	+30	+ 3	−20	+19	− 6	+ 3	0	0.17
73919	15 06 21.49	−26 06 26.3	7.94	H	226.589 558 24	−26.107 292 96	2.34	28.76	−37.29	0.97	0.79	1.14	1.29	1.07	−11	−19	−36	− 9	−28	+15	−24	+22	−14	−14	0	−0.73
73920	15 06 22.50	−55 49 23.7	8.21	H	226.593 763 04	−55.823 260 91	3.14	−38.28	−7.12	0.82	0.67	1.17	1.04	0.93	+12	−28	−17	+14	+32	−27	+26	−24	+10	+ 2	0	0.90
73921 H	15 06 22.77	−72 10 12.5	6.92	G	226.594 880 26	−72.170 144 71 A	4.36	−12.55	−19.29	0.77	0.89	1.02	0.83	1.02	+23	− 4	+ 0	+ 3	+13	−10	+14	+ 8	−17	+30	1	0.49
73922	15 06 24.26	+10 45 35.5	8.59	H	226.601 085 34	+10.759 851 80	2.67	3.66	7.96	0.88	0.82	1.11	0.92	1.04	−40	−16	− 5	− 2	−29	+24	−34	+12	− 2	−55	0	0.07
73923	15 06 24.40	+80 01 11.0	8.50	H	226.601 682 86	+80.019 734 60	1.52	−1.59	10.20	0.70	0.69	0.76	0.77	0.77	+ 3	− 6	−15	−22	− 7	− 7	− 4	+ 2	+ 5	−17	0	1.95
73924 H	15 06 24.74	−59 33 42.4	8.16	G	226.603 100 62	−59.561 767 04 A	12.65	−8.82	−25.69	2.15	1.61	2.04	2.44	2.12	+41	− 4	+ 5	+20	+22	− 5	+11	+25	+19	+56	1	0.40
73925	15 06 24.85	+02 39 42.9	9.07	H	226.603 529 37	+02.661 914 96	5.36	−30.38	−16.12	1.58	1.13	1.60	1.98	1.31	−24	− 2	−27	+59	−21	+31	−11	+26	−17	−26	0	0.82
73926	15 06 26.38	−70 15 15.8	9.47	H	226.609 913 37	−70.254 387 10	6.47	52.25	−39.32	0.89	1.04	1.39	1.00	1.26	+26	−19	+ 2	+14	+10	− 8	+ 8	+29	− 7	+45	0	2.15
73927	15 06 27.10	−22 01 54.1	6.13	H	226.612 910 84	−22.031 703 47	16.69	69.94	−52.06	0.72	0.49	0.84	0.92	0.69	−36	+ 1	−18	+24	−15	+31	− 7	+ 7	+11	−10	0	0.39
73928	15 06 27.46	−17 03 48.6	9.65	H	226.614 404 12	−17.063 494 52	3.82	−16.68	7.56	1.19	0.87	1.35	1.28	1.18	−40	−31	− 7	+27	−12	+ 3	−14	+13	+18	−39	0	−0.93
73929	15 06 27.78	−11 10 56.2	10.07	G	226.615 738 37	−11.182 277 07	6.49	−26.17	14.92	1.87	1.33	2.50	2.71	1.94	−19	−16	−48	+29	− 4	−19	−26	−30	+43	−49	0	0.01
73930	15 06 27.88	+03 00 32.5	7.31	G	226.616 164 23	+03.009 027 26	5.19	1.23	15.95	0.86	0.74	0.95	1.07	0.84	−17	−19	−19	+31	− 8	+ 0	− 3	+14	−12	− 7	0	1.31
73931	15 06 28.55	+28 59 02.0	9.23	H	226.618 978 94	+28.983 881 03	1.59	−0.81	−17.87	0.79	0.78	1.25	0.80	1.05	−16	−17	−18	−40	+ 0	+15	+19	+ 7	−31	−50	2	0.16
73932	15 06 29.89	−24 49 38.1	10.01	H	226.624 531 43	−24.827 236 25	1.87	−3.31	8.94	1.71	1.24	1.94	3.17	1.85	−11	+11	−39	+ 8	−17	+ 5	−15	+16	−28	+39	0	0.11
73933	15 06 30.50	−55 45 13.3	8.52	H	226.627 100 73	−55.753 702 47	0.98	−8.62	−7.30	0.83	0.69	1.13	0.92	0.92	+19	−33	−22	+22	+35	−18	+26	−24	+12	− 1	0	0.67
73934	15 06 32.08	+38 59 10.7	8.54	H	226.633 655 80	+38.986 318 30	30.62	−88.54	−322.58	0.82	0.76	1.00	1.06	0.87	− 3	−16	+ 2	−16	+ 5	− 6	+ 4	+ 7	−12	+ 7	0	0.40
73935	15 06 32.53	−42 53 08.3	7.87	G	226.635 526 79	−42.885 625 74	5.57	−38.38	−14.21	0.72	0.66	1.04	0.99	1.00	−45	+ 0	−22	+ 8	+12	−29	+10	+ 8	+ 1	−35	2	−0.97
73936	15 06 32.68	+44 39 18.1	9.39	H	226.636 164 18	+44.655 028 18	2.46	−7.02	7.70	0.87	0.90	1.11	1.05	1.11	+20	−13	− 1	+16	+11	+13	+10	+26	+ 8	+24	0	2.30
73937 H	15 06 33.21	−30 55 06.3	5.97	1 G	226.638 386 94	−30.918 412 99 A	10.44	−23.00	−28.66	1.09	1.26	0.96	0.98	0.87	+ 1	−15	− 8	+ 3	− 2	+18	− 5	− 2	+ 5	−13	0	0.65
73938	15 06 33.80	+02 37 01.8	8.82	H	226.640 844 56	+02.617 158 95	10.52	−44.21	−17.12	1.44	0.97	1.46	1.69	1.06	−17	−23	−18	+52	−12	+18	− 4	+10	− 3	−14	0	1.14
73939	15 06 34.23	−12 54 25.2	7.48	H	226.642 604 50	−12.907 004 58	5.97	20.87	−17.83	0.96	0.62	1.15	1.12	0.71	−10	−22	−28	+42	+14	+14	+18	−17	− 5	−15	0	0.07
73940	15 06 34.41	−46 27 37.8	8.52	H	226.643 369 46	−46.460 489 83	4.83	22.54	−3.44	0.81	0.72	1.08	0.89	0.81	−12	−28	− 6	+18	+ 9	−19	+ 8	+ 8	+ 2	+ 2	0	−0.52
73941	15 06 35.19	+36 27 21.5	6.35	H	226.646 631 07	+36.455 964 49	33.91	−64.31	40.36	0.40	0.46	0.62	0.46	0.54	+15	− 4	−14	−18	− 7	− 6	− 9	−22	+19	− 3	0	0.49
73942	15 06 35.47	+58 07 11.2	9.79	H	226.647 804 54	+58.119 777 83	1.23	−12.19	−5.14	0.86	0.87	0.99	0.94	0.98	+ 5	− 3	− 7	−19	− 4	− 3	+ 2	+14	−17	−12	0	0.11
73943	15 06 36.94	+05 46 29.9	8.28	H	226.650 915 99	+05.774 966 90	9.79	−51.72	46.51	1.06	0.79	1.12	1.11	0.89	+11	−39	−20	+15	− 2	− 6	+ 3	+12	−16	+ 9	0	2.00
73944	15 06 37.02	+52 17 08.1	8.64	H	226.654 256 38	+52.285 583 25	4.80	2.46	16.20	0.73	0.76	0.92	0.75	0.80	+21	−34	−29	− 6	−11	+14	−14	−26	+ 9	− 5	1	1.31
73945	15 06 37.62	−16 15 24.3	5.19	H	226.656 743 12	−16.256 761 24	4.26	−36.41	−23.28	0.70	0.51	0.80	0.80	0.63	−34	−19	−13	+22	−18	+23	−11	+12	− 9	−24	0	−1.16
73946	15 06 38.47	+43 45 22.0	8.77	H	226.660 296 57	+43.756 107 47	1.52	30.36	−37.31	0.79	0.81	1.02	0.98	0.95	+15	+12	−12	− 9	−16	+11	−16	−17	− 8	− 6	3	1.84
73947	15 06 39.15	−48 16 33.6	8.05	H	226.663 134 87	−48.276 005 79	2.47	−45.09	−26.34	0.74	0.67	0.98	0.83	0.82	−21	−19	−18	+ 0	+ 9	−23	+ 5	+14	− 6	−15	0	−1.77
73948	15 06 41.30	−62 40 31.2	8.96	G	226.672 090 68	−62.675 343 16	2.44	−7.58	−13.36	0.64	0.71	1.22	0.76	0.99	+16	− 4	+ 8	+62	+28	−11	+27	+14	+27	+ 9	1	−0.06
73949	15 06 42.35	−47 23 52.3	10.14	H	226.676 449 96	−47.397 869 87	1.03	−12.65	−13.22	1.22	1.10	1.61	1.41	1.53	−12	−15	− 9	+14	− 5	−12	− 4	+17	−14	−19	2	0.47
73950	15 06 42.93	−62 24 04.3	7.83	H	226.678 862 87	−62.401 180 66	0.08	−10.10	−10.78	0.67	0.68	1.24	0.86	1.04	+26	−22	−27	+61	+46	−42	+25	− 7	+34	−10	0	−0.19
73951	15 06 43.02	+12 53 17.2	10.69	H	226.679 244 57	+12.888 102 36	5.25	13.56	−10.73	1.65	1.47	2.64	1.89	2.33	−31	−29	−25	−13	−18	+15	−32	−18	+53	−29	0	0.18
73952	15 06 44.12	+07 37 43.1	10.23	H	226.683 833 98	+07.628 639 79	1.59	54.70	−28.34	3.09	2.19	2.46	3.46	2.40	+52	−37	−52	+58	+41	−26	+42	+53	−41	+46	0	0.76
73953	15 06 49.10	−16 29 03.6	6.41	H	226.704 576 50	−16.484 320 63	7.89	−62.33	−16.71	0.74	0.54	0.87	0.82	0.67	−32	−25	−19	+20	−13	+18	− 6	+ 5	− 3	−28	0	−1.53
73954	15 06 49.36	−73 03 56.8	9.02	H	226.705 680 61	−73.065 790 14	2.71	−29.89	−19.53	0.69	0.88	1.06	0.82	1.14	+17	−12	− 1	− 5	−13	−18	−10	+ 0	−19	+10	0	−0.02
73955	15 06 50.02	+82 45 23.1	9.99	G	226.708 436 40	+82.756 408 01	−0.07	−3.87	0.36	0.93	1.03	1.06	1.01	1.21	− 5	−12	−19	+ 7	− 9	+ 5	− 4	+35	−11	−18	0	−0.54
73956	15 06 51.06	+53 18 57.0	7.91	H	226.712 737 59	+53.315 845 42	13.16	34.99	11.09	0.54	0.57	0.68	0.63	0.63	+17	−19	−17	− 2	−15	+20	−13	−12	−10	−10	0	2.42
73957	15 06 51.24	−26 49 31.0	7.97	H	226.713 489 92	−26.825 274 90	3.81	4.61	−23.28	0.93	0.80	1.28	1.23	0.96	− 7	−18	−50	+ 8	−23	+32	− 6	+20	−16	−16	0	−0.11
73958	15 06 52.20	−74 13 23.9	8.86	H	226.717 517 64	−74.223 297 15	14.75	−9.69	−114.50	0.71	0.74	0.99	0.90	0.92	+23	−10	+ 0	− 2	+14	−18	+11	+17	−10	+40	0	0.91
73959	15 06 53.68	+75 59 07.0	8.30	H	226.723 661 94	+75.985 267 93	5.28	−17.94	9.23	0.56	0.66	0.69	0.58	0.70	+10	−15	−35	−21	− 8	− 1	− 8	− 1	− 9	+ 4	1	1.83
73960	15 06 53.82	+30 00 37.0	9.13	G	226.724 245 34	+30.010 280 29	3.45	15.45	−8.71	0.86	0.86	1.31	1.11	1.04	− 3	−25	+ 1	−19	+18	+13	+28	+16	−27	−28	4	0.58
73961	15 06 54.16	+39 36 30.9	8.96	H	226.725 647 86	+39.608 584 75	−0.20	2.73	−5.86	0.78	0.78	1.06	0.96	0.87	+17	− 4	+ 8	− 6	−10	− 8	− 9	− 8	+ 1	+ 7	0	−1.46
73962 H	15 06 54.68	−45 25 00.7	8.91	H	226.727 838 08	−45.416 865 17 *	9.43	25.11	−54.49	2.37	6.37	2.17	1.91	1.65	−20	−23	− 1	+14	+15	−17	+14	+ 0	+18	+ 4	2	−0.57
73963	15 06 55.51	+11 49 43.7	10.35	G	226.731 272 67	+11.828 809 67	13.57	−258.02	−22.75	1.41	1.31	1.91	1.49	1.86	−41	−19	− 8	− 7	−19	+ 6	−34	−12	+29	−49	0	−0.03
73964	15 06 55.69	−57 24 32.3	8.63	H	226.732 027 74	−57.408 970 37	3.24	−8.88	−5.16	0.69	0.72	1.02	1.01	0.96	+ 3	−13	−27	+ 0	+25	−13	+19	−10	+16	+ 5	0	0.31
73965	15 06 55.83	+35 28 34.4	9.34	H	226.732 645 59	+35.476 219 29	8.44	−9.58	−115.96	0.72	0.87	1.20	0.92	1.04	+ 8	+ 3	−14	+14	+ 0	−12	− 3	−12	+ 3	+ 1	2	0.89
73966	15 06 55.97	−52 01 47.1	6.40	H	226.733 225 23	−52.029 749 68	3.21	−2.86	−12.31	0.55	0.60	0.75	0.58	0.84	−34	−31	−23	− 3	+ 6	−27	+ 1	+ 5	+21	−68	0	2.29
73967	15 06 56.10	+14 05 53.2	8.80	H	226.733 748 41	+14.098 113 18	10.31	−49.94	−106.83	1.01	0.76	1.28	1.13	1.18	− 4	−12	− 7	−30	−31	+20	−30	+ 7	+ 2	−36	0	0.04
73968	15 06 57.25	+28 40 24.0	8.65	G	226.738 527 33	+28.673 321 45	6.56	−41.61	25.00	0.71	0.77	1.11	0.74	0.92	−23	− 1	−17	−14	+ 4	−11	+ 8	+ 9	−12	−44	2	0.61
73969	15 06 58.94	−31 38 39.0	9.15	H	226.745 580 82	−31.644 158 68	1.64	−10.94	−0.40	1.39	0.90	1.34	1.58	1.11	+ 9	−19	−16	+48	+12	+11	+14	+29	+ 3	+ 8	0	1.15
73970 H	15 06 59.21	+41 39 21.5	9.18	H	226.746 698 08	+41.655 985 25 A	6.06	6.63	−54.08	1.16	1.32	1.48	1.20	1.44	+ 4	+ 6	+ 4	+11	−15	+ 1	−15	+ 4	+10	−13	0	0.25
73971	15 06 59.35	+04 27 16.7	8.40	H	226.747 288 53	+04.454 643 36	2.19	−4.01	−19.75	1.27	0.91	1.28	1.92	1.13	+18	−29	−19	+28	+19	−16	+22	+15	−16	+41	0	0.59
73972	15 07 00.45	−02 17 51.2	8.28	H	226.751 866 77	−02.297 546 51	3.25	−10.65	13.51	1.17	0.70	1.28	1.31	0.94	−43	−37	+ 6	+21	− 6	+18	− 6	−29	+ 8	−36	0	−0.13
73973	15 07 04.99	−39 30 14.1	9.31	H	226.770 799 98	−39.503 914 44	6.50	−70.67	−22.25	1.06	0.68	1.30	1.45	1.09	−31	−15	− 1	− 7	+ 5	+ 2	− 3	+ 0	+29	+ 0	0	0.76
73974	15 07 06.20	−37 56 44.3	7.18	G	226.775 849 90	−37.945 625 28	6.25	10.79	−14.11	0.83	0.72	1.00	0.85	0.81	− 7	−35	−26	+17	− 2	+ 9	+ 3	+26	− 3	−21	0	2.02
73975	15 07 06.29	+33 57 54.2	7.79	H	226.776 208 66	+33.965 065 19	3.05	3.90	−13.95	0.48	0.54	0.80	0.54	0.62	+19	−10	−14	+ 2	+ 6	− 8	+ 6	+13	− 6	+11	1	−0.69
73976	15 07 06.36	−28 49 22.9	8.35	G	226.776 488 37	−28.823 024 47	7.06	−35.99	−23.62	0.98	0.76	1.21	1.12	0.93	− 3	−36	−39	+14	−15	+13	−16	+20	+13	−16	0	−0.27
73977	15 07 06.86	+02 21 45.5	6.59	H	226.778 596 20	+02.362 652 76	2.35	4.07	−16.89	0.88	0.66	0.94	0.83	0.70	−21	−42	−12	+34	− 8	− 1	− 2	+ 8	−11	−30	3	−1.26
73978	15 07 07.42	−52 54 43.1	7.88	H	226.780 922 69	−52.911 982 44	1.07	−2.69	−3.62	0.82	0.87	1.10	1.06	1.45	−24	−25	−30	+ 7	+ 7	−17	+ 4	+ 4	+ 5	−54	0	−2.97
73979	15 07 07.97	+22 01 04.2	8.64	H	226.783 189 57	+22.017 846 64	3.08	−14.69	26.57	0.67	0.59	0.99	0.83	0.82	− 3	−19	− 5	+ 6	+10	− 3	+ 9	−15	−12	−24	0	−2.61
73980	15 07 08.19	−71 54 17.8	6.52	1 H	226.784 117 30	−71.904 934 87	1.72	7.29	−6.84	0.42	0.50	0.64	0.43	0.57	+15	−22	− 4	− 3	+ 6	−14	+ 8	+ 1	−13	+26	1	2.13
73981	15 07 08.24	−27 28 38.3	7.86	G	226.784 334 65	−27.477 309 55	5.83	−34.93	−14.47	0.88	0.78	1.15	1.18	0.99	−17	−10	−42	+18	−22	+32	− 7	+30	−26	−27	0	−0.44
73982	15 07 08.61	−02 16 50.5	7.64	H	226.785 880 82	−02.280 685 17	9.39	−80.76	23.28	0.97	0.60	1.06	1.10	0.80	−44	−36	+11	+21	− 4	+19	− 1	−29	+ 1	−33	2	1.95
73983	15 07 09.33	+40 06 28.4	8.11	H	226.788 891 09	+40.107 890 30	12.25	−77.27	65.27	0.63	0.62	0.84	0.82	0.76	+13	+ 1	+ 1	−11	− 7	− 5	− 5	− 6	+12	− 4	1	−0.25
73984	15 07 09.72	−08 55 43.1	8.04	2 H	226.790 520 56	−08.928 626 32	2.55	0.34	0.91	1.07	0.71	1.28	1.39	0.95	−27	−15	−23	+20	−14	+ 6	−12	−24	+33	−16	0	−0.12
73985	15 07 10.24	−78 20 18.1	8.65	H	226.792 670 13	−78.338 347 97	3.82	−22.81	−38.76	0.63	0.70	0.84	0.68	0.81	+20	−21	− 5	+ 4	+ 2	+ 1	− 1	+19	+11	+19	0	0.45
73986	15 07 13.20	+10 17 45.5	8.02	H	226.805 008 83	+10.295 968 01	4.58	0.58	4.38	1.16	1.07	1.17	1.22	1.24	+16	−28	−26	+46	+ 6	+11	+12	+55	− 2	− 3	0	1.20
73987	15 07 13.71	−32 54 36.5	7.18	H	226.807 120 59	−32.910 127 92	8.25	−7.96	−11.98	0.79	0.65	0.96	0.76	0.79	− 8	−33	−30	+ 3	−17	+ 7	−12	+25	+ 1	−39	0	0.21
73988	15 07 13.94	−47 59 17.5	8.90	G	226.808 071 55	−47.988 191 67	3.40	−72.50	−67.97	0.88	0.80	1.14	0.93	1.03	−23	−16	− 7	+ 1	− 3	−11	− 1	+25	−18	−21	0	−0.39
73989	15 07 14.57	−57 26 22.7	7.20	G	226.810 727 92	−57.439 640 97	4.85	−8.95	−20.73	0.65	0.61	0.86	0.91	0.82	− 3	− 4	−14	+14	+30	− 5	+29	− 7	+20	+ 7	0	0.68
73990	15 07 14.96	−29 30 15.9	8.14	2 H	226.812 312 87	−29.504 410 12	10.29	−28.36	−27.68	1.00	0.70	1.16	1.22	0.90	+11	−33	−32	+ 0	−12	+13	−15	+ 1	+20	+13	0	1.74
73991	15 07 15.44	+22 33 52.0	7.80	H	226.814 319 64	+22.564 450 34	3.82	5.78	−37.58	0.58	0.50	0.85	0.65	0.68	− 4	− 6	+10	+31	+29	+ 2	+22	−15	−10	−32	1	0.22
73992	15 07 16.50	−24 11 38.0	7.23	H	226.818 760 40	−24.193 902 02	5.43	1.23	7.03	0.96	0.69	1.01	1.36	0.91	− 2	− 2	− 2	−30	+ 9	−13	+12	−13	+24	− 9	+22	0	−0.44
73993	15 07 17.35	+22 54 30.1	7.18	H	226.822 299 54	+22.908 370 56	4.11	−9.53	−17.09	0.52	0.43	0.78	0.54	0.59	− 7	−10	+ 4	+44	+20	− 2	+11	− 3	−19	−43	1	0.31
73994	15 07 17.45	+54 53 47.9	9.38	H	226.822 720 22	+54.896 628 94	6.24	−33.84	10.70	0.69	0.71	0.82	0.76	0.80	+ 7	− 7	−13	−19	−14	+ 6	−11	−10	+ 6	−23	0	−1.36
73995	15 07 17.56	−20 13 22.2	8.49	H	226.823 174 12	−20.222 822 44	1.85	−23.39	−4.25	1.11	0.68	1.44	1.48	1.40	−34	−26	−27	+20	− 9	−14	−28	−15	+49	−44	0	0.51
73996	15 07 17.95	+24 52 10.5	4.93	G	226.824 779 48	+24.869 592 94	50.70	184.81	−163.51	0.57	0.48	0.76	0.76	0.72	− 8	−13	−19	+ 0	+29	−32	+12	−37	+25	−48	0	−0.45
73997	15 07 19.15	+19 51 38.6	8.94	H	226.829 812 05	+19.860 708 74	5.72	−15.39	7.27	0.71	0.92	1.30	0.88	1.23	−48	+25	−29	+34	−12	+14	−14	+ 7	− 9	−57	2	0.69
73998	15 07 19.28	+08 57 30.8	6.88	H	226.830 322 11	+08.958 542 92	3.62	−13.57	−22.76	0.95	0.88	1.06	1.16	1.03	−14	−36	− 4	+29	−14	−30	−15	+46	− 2	− 9	0	−1.49
73999	15 07 19.44	+25 54 06.1	9.98	G	226.830 987 55	+25.901 683 43	3.85	−3.26	17.76	1.08	1.07	1.45	1.42	1.72	− 5	− 9	+ 1	+11	+11	−27	− 7	−40	+ 1	−40	0	−0.45
74000	15 07 20.34

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data										Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″		ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65		66	67	68-70
73901	8.458	0.013	6.480	0.006		1.658	0.010	G	1.67	0.09	H	6.3747	0.0014	0.009	65		6.36	6.39					1								S
73902	10.661	0.039	10.236	0.040		0.401	0.052	T	0.47	0.06	L	10.2800	0.0025	0.029	117		10.23	10.32		C			1								
73903						1.613	0.218	G	2.63	0.54	I	12.7794	0.0193	0.129	47		12.52	12.98		U			1 X								D
73904	9.179	0.016	7.794	0.010		1.172	0.015	T	1.13	0.01	L	7.8294	0.0011	0.009	77		7.82	7.85		C			1								S
73905	11.717	0.096	10.642	0.056		0.931	0.085	T	0.93	0.06	L	10.6750	0.0030	0.034	134		10.62	10.76		C			1 X								G
73906	9.536	0.028	9.055	0.028		0.474	0.020	G	0.55	0.02	H	9.1109	0.0024	0.012	52		9.09	9.14					1								
73907	10.985	0.048	10.540	0.050		0.420	0.064	T	0.49	0.07	L	10.5904	0.0037	0.027	107		10.53	10.63					1								
73908	9.532	0.023	9.057	0.023		0.447	0.030	T	0.52	0.03	L	9.0838	0.0022	0.015	68		9.07	9.11		C			1								
73909	6.457	0.004	5.352	0.003		0.958	0.003	G	0.95	0.00	H	5.4069	0.0006	0.005	101		5.40	5.41		C			1								S
73910	9.495	0.013	9.066	0.013		0.405	0.017	T	0.47	0.02	L	9.1448	0.0021	0.025	200		9.10	9.19					1								S
73911	9.824	0.034	9.168	0.030		0.609	0.038	T	0.68	0.03	L	9.2547	0.0026	0.026	122		9.21	9.29					1								S
73912	9.820	0.026	9.258	0.025		0.561	0.015	G	0.63	0.01	H	9.3195	0.0019	0.016	87		9.27	9.35					1								
73913	9.060	0.020	8.733	0.021		0.340	0.015	G	0.40	0.02	H	8.7912	0.0033	0.018	63		8.76	8.84		C			1								
73914	7.564	0.010	7.243	0.011		0.330	0.015	G	0.38	0.02	H	7.2924	0.0018	0.009	45		7.28	7.31		C			1								S
73915	8.162	0.009	7.713	0.008	*	0.455	0.015	G	0.52	0.02	H *	7.7652	0.0010	0.011	124	*	7.75	7.79		D	15063+5950	H 1	2 C	A	AB	17	0.394	0.004	1.20	0.02	S
73916	11.347	0.106	10.647	0.091		0.560	0.072	G	0.63	0.07	R	10.6774	0.0064	0.027	42		10.61	10.74					1								G
73917	9.656	0.017	8.058	0.009		1.339	0.015	T	1.30	0.02	L	8.0513	0.0017	0.016	119		8.03	8.08		C			1								S
73918	9.193	0.010	8.754	0.010		0.414	0.013	T	0.48	0.01	L	8.8071	0.0017	0.023	185		8.77	8.85		U			1								S
73919	9.821	0.027	8.093	0.013		1.442	0.024	T	1.44	0.04	L	8.0795	0.0016	0.013	55		8.06	8.09		C			1								S
73920	9.545	0.016	8.328	0.011		1.040	0.015	T	1.01	0.01	L	8.3798	0.0013	0.015	128		8.35	8.41		C			1								
73921	7.008	0.010	7.040	0.011	A	−0.014	0.002	G	0.01	0.00	H *	6.9213	0.0013	0.012	157	*	6.90	6.94		D	15064−7210	I 1	2 C	A	AB	42	1.369	0.005	1.30	0.02	S
73922	8.983	0.015	8.622	0.016		0.342	0.020	T	0.40	0.03	L	8.6752	0.0017	0.015	99		8.65	8.70		C			1								S
73923	9.846	0.020	8.622	0.012		1.046	0.018	T	1.02	0.01	L	8.6687	0.0020	0.019	108		8.64	8.70		C			1								
73924	8.858	0.013	8.313	0.012	A	0.564	0.015	G	0.64	0.01	H *	8.2907	0.0025	0.018	92	*	8.26	8.33		D	15064−5934	I 1	2 C	A	AB	49	1.324	0.026	1.99	0.05	
73925	9.972	0.039	9.120	0.030		0.764	0.037	T	0.80	0.03	L	9.2198	0.0028	0.014	43		9.19	9.25					1								
73926	10.242	0.022	9.540	0.019		0.634	0.022	T	0.70	0.02	L	9.6037	0.0024	0.033	176		9.54	9.67					1	S							
73927	7.441	0.009	6.251	0.007		1.040	0.012	G	1.01	0.01	H	6.2977	0.0008	0.006	77		6.29	6.31		C			1								S
73928	11.184	0.072	9.753	0.034		1.000	0.040	G	0.98	0.03	R	9.8166	0.0031	0.020	90		9.78	9.84		C			1								
73929	10.667	0.061	10.158	0.063		0.570	0.020	G	0.64	0.02	H	10.1825	0.0046	0.026	54		10.14	10.22		C			1								
73930	7.776	0.011	7.349	0.011		0.396	0.004	G	0.46	0.00	H	7.3930	0.0017	0.009	50		7.37	7.42		C			1								S
73931	9.017	0.011	9.173	0.016		−0.136	0.017	T	−0.13	0.02	L	9.1801	0.0023	0.023	169		9.14	9.23					1								
73932	10.722	0.065	10.087	0.055		0.626	0.020	G	0.69	0.02	H	10.1398	0.0035	0.020	43		10.11	10.21		C			1								
73933	8.538	0.009	8.501	0.012		0.039	0.014	T	0.05	0.01	L	8.5437	0.0016	0.016	128		8.52	8.57		C			1								
73934	9.627	0.015	8.618	0.011		0.870	0.015	T	0.88	0.01	L	8.6795	0.0017	0.020	152		8.64	8.72		C			1 G								S
73935	8.306	0.009	7.907	0.011		0.379	0.002	G	0.44	0.00	H	7.9622	0.0015	0.012	119		7.95	7.99		C			1								S
73936	9.763	0.023	9.423	0.024		0.323	0.031	T	0.37	0.04	L	9.4618	0.0023	0.022	115		9.42	9.51		C			1								S
73937	5.875	0.004	5.964	0.005	*	−0.076	0.003	G	−0.06	0.00	H *	5.9501	0.0016	0.014	66	*	5.92	5.97	2.30	P 1 A	15066−3055	H 1	2 C	C	AB	193	0.382	0.038	3.93	0.27	S P
73938	9.391	0.025	8.894	0.025		0.467	0.032	T	0.54	0.03	L	8.9255	0.0012	0.013	42		8.90	8.95		D			1								
73939	7.551	0.008	7.489	0.010		0.056	0.011	T	0.07	0.01	L	7.5069	0.0014	0.010	70		7.49	7.52					1 G								S
73940	9.878	0.025	8.628	0.015		1.066	0.023	T	1.03	0.02	L	8.6915	0.0016	0.014	88		8.66	8.72					1								
73941	6.983	0.004	6.413	0.003		0.537	0.004	T	0.61	0.00	L	6.4661	0.0007	0.007	168		6.45	6.48		C			1								S
73942	11.215	0.060	9.920	0.032		1.101	0.053	T	1.06	0.06	L	9.9595	0.0018	0.020	110		9.93	9.99		C			1								
73943	8.912	0.020	8.353	0.019		0.523	0.025	T	0.60	0.03	L	8.3977	0.0018	0.015	48		8.37	8.42			15066+0547	I 1	1								S
73944	9.199	0.014	8.681	0.013		0.460	0.015	G	0.53	0.02	H	8.7421	0.0020	0.015	106		8.71	8.76					1								S
73945	7.262	0.008	5.372	0.004		1.589	0.007	G	1.60	0.09	H	5.3069	0.0010	0.006	76		5.30	5.32					1								S
73946	10.357	0.030	8.877	0.015		1.246	0.026	T	1.20	0.03	L	8.9277	0.0018	0.023	119		8.89	8.97		C			1								
73947	8.540	0.011	8.110	0.011		0.406	0.014	T	0.47	0.01	L	8.1451	0.0014	0.014	84		8.12	8.17					1								
73948	8.922	0.009	8.966	0.012		−0.028	0.008	G	−0.01	0.01	H	8.9555	0.0013	0.020	218		8.91	8.99					1								
73949	11.558	0.125	10.054	0.048		1.265	0.105	T	1.22	0.11	L	10.2764	0.0033	0.036	88		10.23	10.33					1	S							G
73950	9.952	0.017	8.009	0.007		1.612	0.015	T	1.63	0.01	L	7.9422	0.0014	0.017	180		7.92	7.97					1								
73951	11.251	0.072	10.792	0.077		0.560	0.072	G	0.63	0.07	R	10.8137	0.0048	0.036	90		10.74	10.86					1								G
73952	11.175	0.115	10.377	0.091		0.723	0.113	T	0.77	0.08	L	10.3776	0.0045	0.027	38		10.35	10.42					1 G								
73953	6.603	0.004	6.426	0.006		0.162	0.007	T	0.18	0.01	L	6.4613	0.0008	0.006	82		6.45	6.47		C	15068−1629	I 1	1								S
73954	10.422	0.028	9.149	0.016		1.084	0.025	T	1.05	0.02	L	9.1912	0.0018	0.022	150		9.16	9.23		C			1								
73955	11.317	0.066	10.082	0.037		1.150	0.015	G	1.11	0.01	H	10.1490	0.0018	0.020	99		10.10	10.19		C			1								
73956	8.398	0.012	7.951	0.009		0.430	0.007	G	0.50	0.01	H	8.0093	0.0012	0.011	109		7.99	8.03					1								S
73957	9.612	0.024	8.099	0.013		1.272	0.021	T	1.23	0.02	L	8.1251	0.0020	0.010	53		8.11	8.14		C			1								
73958	9.587	0.015	8.944	0.014		0.590	0.015	T	0.66	0.01	L	8.9831	0.0017	0.019	154		8.94	9.01		C			1								
73959	8.490	0.010	8.298	0.011		0.161	0.015	G	0.18	0.01	H	8.3517	0.0014	0.015	108		8.33	8.37		C			1								S
73960	10.621	0.036	9.265	0.018		1.248	0.029	G	1.21	0.03	H	9.2986	0.0026	0.027	139		9.26	9.36					1								
73961	10.844	0.047	9.127	0.018		1.433	0.040	T	1.42	0.06	L	9.0966	0.0020	0.021	138		9.06	9.15		C			1								
73962	9.595	0.024	9.014	0.023	*	0.545	0.024	T	0.62	0.02	L *	9.0260	0.0019	0.016	106	*	8.99	9.06		C	15069−4525	H 1	2 C	B	AB	89	0.207	0.059	2.12	0.85	
73963	11.384	0.056	10.403	0.038		0.887	0.008	G	0.93	0.01	H	10.4966	0.0029	0.026	132		10.45	10.54					1								
73964	8.711	0.012	8.638	0.015		0.090	0.015	G	0.10	0.02	H	8.6635	0.0018	0.014	104		8.64	8.69					1								
73965	10.017	0.018	9.418	0.016		0.559	0.021	T	0.63	0.02	L	9.4653	0.0027	0.031	173		9.41	9.51		R			1								S
73966	6.259	0.004	6.385	0.005		−0.109	0.006	T	−0.09	0.01	L	6.3647	0.0009	0.007	78		6.35	6.38		C			1								S
73967	9.927	0.020	8.894	0.014		0.950	0.015	G	1.00	0.01	I	8.9486	0.0019	0.018	116		8.92	8.98		C			1	S							
73968	9.167	0.013	8.707	0.013		0.451	0.015	G	0.52	0.02	H	8.7455	0.0018	0.021	145		8.71	8.79					1								S
73969	9.135	0.020	9.141	0.027		−0.004	0.029	T	0.02	0.03	L	9.1595	0.0050	0.021	59		9.12	9.19		C			1								
73970	9.723	0.017	9.268	0.017	A	0.503	0.072	G	0.54	0.05	L *	9.2841	0.0015	0.020	143	*	9.25	9.32		D	15070+4139	M 1	2 C	A	AB	50	2.223	0.034	3.17	0.15	S
73971	9.612	0.028	8.493	0.019		0.964	0.026	T	0.95	0.02	L	8.5589	0.0032	0.016	46		8.53	8.59					1								S
73972	9.730	0.042	8.369	0.024		1.153	0.038	T	1.12	0.03	L	8.4494	0.0015	0.013	79		8.43	8.48		C			1								
73973	10.015	0.025	9.355	0.023		0.602	0.025	T	0.67	0.02	L	9.4397	0.0024	0.021	97		9.41	9.48		C			1								
73974	7.250	0.006	7.181	0.008		0.061	0.001	G	0.07	0.00	H	7.2080	0.0013	0.009	71		7.19	7.22		C			1								S
73975	9.355	0.011	7.934	0.006		1.200	0.010	T	1.16	0.01	L	7.9590	0.0011	0.013	200		7.93	7.98		C			1								S
73976	9.016	0.017	8.419	0.015		0.607	0.015	G	0.68	0.01	H	8.4660	0.0017	0.013	68		8.45	8.49					1								S
73977	8.548	0.014	6.750	0.007		1.497	0.012	T	1.52	0.02	L	6.7160	0.0012	0.007	52		6.70	6.72					1								S
73978	9.906	0.027	8.041	0.012		1.550	0.023	T	1.62	0.04	L	7.9995	0.0011	0.013	76		7.97	8.02		D			1								
73979	9.174	0.010	8.679	0.010		0.466	0.013	T	0.54	0.01	L	8.7420	0.0015	0.018	162		8.71	8.78					1								S
73980	8.626	0.009	6.711	0.004		1.592	0.006	G	1.57	0.01	J	6.6434	0.0013	0.012	164		6.63	6.67		M			1								S
73981	8.277	0.012	7.894	0.011		0.374	0.015	G	0.44	0.02	H	7.9469	0.0017	0.014	58		7.92	7.98		C			1								S
73982	8.340	0.013	7.706	0.010		0.582	0.017	G	0.65	0.02	H	7.7687	0.0011	0.008	79		7.76	7.79			15071−0217	I 1	1								S
73983	8.686	0.010	8.162	0.010		0.490	0.015	G	0.56	0.02	H	8.2196	0.0019	0.017	143		8.19	8.26					1								S
73984	10.129	0.038	8.270	0.016		1.578	0.034	T	2.46	0.07	O	8.0639	0.0083	0.035	53		8.02	8.12		U 2			1								
73985	10.066	0.020	8.772	0.012		1.100	0.018	T	1.06	0.02	L	8.8196	0.0019	0.017	166		8.78	8.85		C			1								
73986	8.390	0.017	8.061	0.018		0.312	0.023	T	0.36	0.03	L	8.0959	0.0050	0.018	38		8.07	8.12					1								S
73987	7.239	0.006	7.170	0.009		0.062	0.010	T	0.07	0.01	L	7.2045	0.0010	0.006	61		7.19	7.22					1								S
73988	10.083	0.029	8.999	0.019		0.934	0.005	G	0.98	0.01	I	9.0607	0.0023	0.022	84		9.02	9.09		C			1								
73989	8.875	0.013	7.359	0.007		1.274	0.012	T	1.45	0.02	L	7.3754	0.0009	0.010	105		7.36	7.40		C			1								S
73990	8.540	0.013	8.184	0.014		0.362	0.015	G	0.42	0.02	H	8.2276	0.0030	0.020	59		8.20	8.26		U 2			1								S
73991	8.972	0.010	7.900	0.007		0.920	0.015	G	0.92	0.01	H	7.9563	0.0011	0.012	167		7.94	7.98					1								S
73992	8.546	0.014	7.353	0.009		1.022	0.013	T	1.00	0.01	L	7.4008	0.0014	0.008	54		7.39	7.41		C			1								S
73993	8.576	0.007	7.289	0.005		1.095	0.007	T	1.06	0.01	L	7.3445	0.0008	0.011	200		7.32	7.36					1								S
73994	9.822	0.023	9.448	0.025		0.354	0.032	T	0.42	0.04	L	9.4641	0.0020	0.017	107		9.43	9.49		C			1								
73995	10.585	0.044	8.645	0.016		1.610	0.037	T	1.63	0.04	L	8.5992	0.0016	0.014	84		8.57	8.62		C			1								
73996	5.442	0.003	4.979	0.002		0.429	0.006	G	0.51	0.05	G	5.0253	0.0005	0.004	121		5.02	5.03		C	15074+2453	I 1	1								S
73997	10.721	0.040	9.102	0.017		1.356	0.034	T	1.32	0.04	L	9.0912	0.0012	0.018	133		9.06	9.13		D			1								
73998	8.890	0.019	7.044	0.009		1.535	0.017	T	1.58	0.04	L	6.9960	0.0018	0.010	44		6.98	7.01					1								S
73999	10.576	0.035	10.093	0.037		0.553	0.015	G	0.63	0.01	H	10.0992	0.0033	0.031	104		10.03	10.15					1								
74000	6.125	0.004	6.044	0.004		0.073	0.005	T	0.08	0.01	L	6.0655	0.0010	0.007	76		6.06	6.08		C	15073+1827	I 1	1								S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)														Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr		$\alpha*$	$\alpha*$	δ	$\alpha*$	δ	π	$\alpha*$	δ	π	$\mu_{\alpha*}$				%	
1 2	3	4	5 6 7		8	9 10		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28				29	30
74001	15 07 21.34	+10 31 45.8	7.63 H		226.838 903 29	+10.529 396 05		12.70	−169.31	−119.66	1.09	1.02	1.19	1.05	1.12	+28	−41	−43	+41	+ 0	+10	+ 8	+52	− 4	− 7				0	−0.74
74002	15 07 22.72	+13 19 12.9	10.22 H		226.844 646 97	+13.320 253 87		8.05	−47.60	−31.84	1.39	1.01	1.91	1.66	1.67	− 6	−28	−18	−15	−32	+25	−36	+ 4	+19	−32				0	0.37
74003	15 07 24.30	+17 26 58.6	9.82 H		226.851 268 30	+17.449 600 64		2.31	−29.82	−33.36	1.54	1.24	1.71	2.11	1.76	+10	− 5	+ 7	−52	−18	+ 4	−15	−45	−25	− 5				0	−0.05
74004	15 07 24.78	+00 01 45.3	7.85 H		226.853 229 76	+00.029 262 07		2.31	−1.22	4.80	0.98	0.68	1.06	1.09	0.80	−36	−28	−	4	+36	−20	+14	−16	+	0	+ 5	−27			0	0.54
74005	15 07 25.46	−14 40 44.3	8.13 2 H		226.856 082 67	−14.678 984 99		0.39	−8.24	−5.58	0.95	0.64	1.06	1.23	0.78	−26	− 6	−	9	+18	−	6	+20	+	6	−	9	−	5	+	5	0	0.14
74006	15 07 25.93	−49 05 19.1	5.77 H		226.858 054 67	−49.088 635 39		9.35	22.29	9.50	0.52	0.51	0.66	0.51	0.59	−28	−40	+	6	+14	−	1	−11	+	0	+18	+	2	−29	0	1.66
74007	15 07 26.00	−15 25 00.1	7.78 H		226.858 326 03	−15.416 685 27		10.24	50.73	−29.79	0.86	0.54	0.94	1.21	0.71	−17	−	9	−18	+12	−23	+23	−14	+	1	−	4	+15		2	0.22
74008	15 07 27.60	+09 49 42.4	9.59 H		226.865 003 51	+09.828 456 24		11.24	−13.74	8.50	1.82	1.77	1.73	1.92	2.00	−16	−30	−18	+54	−18	+	7	−	9	+67	−18	−26			0	2.25
74009	15 07 28.14	+37 04 25.5	9.31 H		226.867 264 54	+37.073 736 27		3.37	−26.21	12.06	0.78	0.86	1.13	0.94	1.01	+	7	−	2	−	2	+19	+	5	−	3	+	4	+12	+11	+	6	0	0.53
74010	15 07 29.87	−16 24 19.3	9.13 H		226.874 472 31	−16.405 354 84		1.60	15.45	−36.37	1.09	0.78	1.29	1.15	0.96	−23	−29	−27	+12	−13	+	9	+11	+	5	+	1	−27		0	−0.49
74011	15 07 30.08	−60 46 36.5	8.54 2 H		226.875 354 16	−60.776 811 48		0.93	−5.50	−1.85	0.86	0.77	1.19	0.95	0.97	+	7	−26	−	5	−19	−	1	−32	−	1	−	2	−16	+18		0	2.39
74012	15 07 31.12	+09 37 31.0	10.50 H		226.879 665 26	+09.625 290 13		4.60	4.20	−16.95	2.27	1.97	2.23	2.38	2.31	+	9	−31	−23	+50	+	4	−	7	+	4	+48	−	2	−11		0	−0.32
74013	15 07 31.27	+64 43 10.2	7.24 H		226.880 304 26	+64.719 505 37		5.80	−46.08	28.86	0.51	0.55	0.58	0.55	0.64	+12	−14	−22	−	9	−15	+	4	−15	−	3	−	4	+	6	0	0.67
74014 H	15 07 31.68	+15 40 51.1	8.95 H		226.881 992 89	+15.680 874 92	A	12.48	−22.07	−45.71	1.31	0.95	1.48	1.48	1.35	+	1	−26	+	3	−27	−	5	+25	−	7	−21	−	5	−28		1	0.60
74015	15 07 32.68	+40 48 57.2	9.07 H		226.886 181 83	+40.815 895 68		1.66	−7.04	6.77	0.70	0.78	0.97	0.77	0.92	+11	+	4	−	7	+	5	−21	+	2	−20	+	9	+12	−15		1	0.20
74016 H	15 07 33.06	+09 13 33.5	6.72 G		226.887 750 67	+09.225 974 88	A	31.21	−191.42	24.72	1.98	2.10	1.77	1.79	2.14	−18	−34	−	6	+29	−22	−30	−19	+37	+	2	−49			1	0.91
74017	15 07 33.55	+52 15 15.3	8.99 H		226.889 805 84	+52.254 256 48		7.92	−19.15	21.20	0.79	0.78	0.96	0.84	0.82	+10	−20	−17	−	2	−	4	+	9	−	7	−25	−	3	−13		0	3.38
74018	15 07 34.29	+06 16 09.4	7.30 H		226.892 892 86	+06.269 286 23		4.76	10.92	−10.27	0.83	0.76	1.00	0.87	0.86	+	8	−35	−41	+19	−	8	+	3	+	6	+32	−36	−	7		0	1.80
74019	15 07 34.58	+52 59 36.8	7.76 H		226.894 100 87	+52.993 550 96		3.42	1.15	10.73	0.62	0.59	0.73	0.68	0.63	+15	−21	−19	+	4	−23	+22	−24	−	9	−	2	−18			0	−0.06
74020	15 07 35.41	−04 34 00.0	9.87 H		226.897 533 38	−04.566 679 27		2.48	−40.39	−23.06	1.48	1.18	1.73	1.95	1.42	−43	−13	−20	+22	−24	+20	−13	−	6	+	2	−27			0	−0.26
74021	15 07 38.20	−76 32 34.3	8.68 H		226.909 156 71	−76.542 850 08		0.69	9.46	9.12	0.64	0.82	0.95	0.68	0.92	+17	−25	+11	+	2	+18	−11	+11	+47	+	8	+32			0	1.31
74022	15 07 38.42	−41 41 37.4	9.88 H		226.910 066 32	−41.693 729 84		0.31	−15.08	−13.68	1.47	1.13	1.92	2.65	2.00	−48	+22	−19	+	4	+	6	−15	+	3	+	8	+	7	+	0	0	0.15
74023	15 07 38.93	−62 49 34.1	8.16 H		226.912 212 77	−62.826 141 28		4.27	−9.31	−24.22	0.75	0.87	1.55	0.93	1.27	+19	−15	−11	+37	+24	−19	+19	+	8	+23	+	8			0		
74024	15 07 40.14	+49 04 51.6	9.70 H		226.917 230 05	+49.081 009 18		5.18	−3.96	−6.21	0.98	0.93	1.16	1.13	1.13	+11	+	1	+11	+	3	+	2	+	5	+	1	+	5	−	6	+11		3	−2.11
74025	15 07 40.23	−28 53 19.9	8.78 H		226.917 614 33	−28.888 871 33		9.17	−64.89	−64.99	1.15	0.87	1.35	1.39	1.12	−	3	−35	−30	+	7	−21	+14	−23	+19	+17	−	8		0	0.90
74026	15 07 40.32	+05 29 53.1	6.16 G		226.918 016 34	+05.498 088 87		6.11	−0.71	−22.01	0.82	0.64	0.83	1.05	0.81	+18	−17	−19	+28	+	9	−	3	+12	+28	−24	+29			0	1.41
74027 H	15 07 40.80	+11 58 14.8	9.41 H		226.919 987 82	+11.970 779 96	A	3.89	−46.43	11.54	2.89	2.85	3.21	2.67	3.60	−57	−19	−17	+	3	−21	−	3	−31	+	0	+43	−58		1	0.74
74028	15 07 41.45	+17 13 43.4	8.63 H		226.922 717 28	+17.228 710 34		11.14	−48.54	10.78	0.93	0.92	1.39	1.11	1.22	+	9	−30	−47	−16	−17	+15	−20	−20	+16	−39			2	−0.01
74029	15 07 41.47	+32 24 41.4	11.14 G		226.922 803 46	+32.411 506 81		8.12	−136.51	−458.34	1.07	1.53	2.30	1.22	1.82	+40	−14	−21	−12	−14	+10	−14	−15	+16	+37			2	1.89
74030	15 07 42.06	+42 23 17.5	7.96 1 H		226.925 240 41	+42.388 196 22		1.78	17.10	−27.43	0.60	0.62	0.78	0.73	0.72	+19	−	4	−	2	−18	−14	−	4	−13	−11	−	4	+	5	0	−1.73
74031	15 07 42.59	+56 42 10.1	9.49 H		226.927 447 18	+56.702 793 62		8.11	21.20	−28.91	0.84	0.78	0.97	0.83	0.76	+	7	−	1	−	4	−24	−18	−11	−14	−	4	−	3	−17		4	1.45
74032	15 07 45.13	+32 15 33.1	7.87 H		226.938 051 88	+32.259 202 87		5.24	2.90	−0.33	0.41	0.57	0.85	0.46	0.70	+38	−15	−17	−18	−13	+11	−13	−14	+14	+34				1	0.74
74033	15 07 46.81	+08 52 47.7	8.26 G		226.945 024 06	+08.879 915 15		15.40	−518.99	−57.02	1.23	1.05	1.37	1.50	1.26	−	2	−40	−	2	+22	−13	−30	−14	+38	+	1	+	3	0	1.59
74034	15 07 47.13	+85 44 59.6	11.14 2 H		226.946 360 20	+85.749 902 56		13.84	−107.47	46.70	1.43	2.59	1.91	1.76	2.63	−	7	−	2	−23	−10	+	6	−	8	+	9	+	4	+	1	−	4	5	0.27
74035	15 07 49.30	−64 04 46.9	8.48 H		226.955 413 37	−64.079 682 21		3.97	−12.75	−6.56	0.56	0.62	0.99	0.69	0.76	+30	−	3	+	6	+45	+17	−	4	+17	+43	+	6	+45		0	0.81
74036	15 07 49.53	+46 53 06.3	8.73 H		226.956 371 60	+46.885 081 62		2.88	38.55	−12.88	0.70	0.69	0.85	0.87	0.79	+	7	+	5	−	9	+	0	−11	−	2	−10	+	4	+	1	+	4	0	1.28
74037	15 07 50.16	+63 07 01.6	6.82 2 H		226.958 990 31	+63.117 104 83		11.01	2.88	−0.47	0.79	0.82	0.87	0.85	1.00	+19	−13	−18	−22	−13	−	5	−14	−23	−12	+12				0		
74038	15 07 51.71	−25 14 20.7	8.24 H		226.965 441 51	−25.239 078 94		9.43	0.86	−46.67	1.12	0.82	1.21	1.62	1.10	−	6	+	8	−37	−22	−19	−12	−33	+17	−24	+27		0	0.13
74039	15 07 52.81	−45 41 17.8	8.29 H		226.970 023 62	−45.688 270 15		2.40	−4.82	−13.53	0.76	0.72	1.01	0.82	0.80	−26	−22	−	1	+	8	+11	−	5	+10	+	4	+	4	−	3	2	−0.68
74040 H	15 07 53.07	+86 29 29.4	9.69 H		226.971 131 01	+86.491 498 25	A	9.34	−42.81	32.28	1.60	1.76	1.75	1.86	2.38	−	8	+13	−	9	+12	−	7	+25	−	9	+	6	−19	−21		0	0.35
74041	15 07 54.12	+21 24 44.1	9.15 H		226.975 505 54	+21.412 237 29		4.62	−44.73	−7.35	0.83	0.67	1.21	0.96	0.93	+	5	−27	−13	+	8	+	5	−10	+	1	−	8	+	0	−25		0	−0.53
*74042	15 07 55.39	+14 57 27.6	9.29 H		226.980 792 48	+14.957 680 02		1.64	6.16	−21.56	1.23	0.74	1.42	1.46	1.17	+17	−39	−	7	−51	−31	+22	−31	−15	+22	−11			0	−0.56
*74043	15 07 55.39	−44 49 25.9	8.94 H		226.980 775 93	−44.823 870 70		8.65	−43.66	−36.26	0.90	0.80	1.26	0.98	1.06	−30	−19	−19	+	5	+11	−20	+	8	+	2	+	6	−30		0	0.96
74044 H	15 07 56.15	−61 07 43.2	6.49 G		226.983 965 97	−61.128 658 99	*	8.02	−0.47	−5.81	1.33	1.24	0.92	0.89	1.00	+11	−14	−	8	+	2	+	7	−24	+10	+	5	−34	+	9	2	1.48
74045	15 07 56.59	+76 12 01.2	8.72 2 H		226.985 771 54	+76.200 333 60		33.97	−131.87	169.32	0.57	0.69	0.69	0.62	0.79	+	6	+	7	−25	−23	−	5	−	5	−	8	−14	−	9	+15	2	−0.87
*74046	15 07 56.75	−68 57 31.0	10.13 H		226.986 475 41	−68.958 616 14		2.85	−0.81	−9.98	1.54	1.96	2.69	1.73	2.39	+17	−18	−11	−	4	−	3	+	0	−	4	+22	−	1	+18	0		
*74047	15 07 56.75	−65 16 31.6	6.18 H		226.986 457 95	−65.275 438 44		4.11	9.04	−4.52	0.39	0.45	0.66	0.46	0.56	+17	−20	−	7	+28	+10	−28	+12	+17	−13	+25			0	2.12
74048	15 07 57.10	−11 39 05.7	9.76 H		226.987 933 40	−11.651 589 64		8.46	−34.18	−9.00	1.58	1.21	2.30	2.18	1.81	−21	−21	−49	+23	+16	−35	−19	−40	+53	−60				0	0.11
74049	15 07 57.85	−45 34 44.9	7.75 H		226.991 023 49	−45.579 133 55		24.27	−117.60	−110.17	0.66	0.59	0.86	0.72	0.70	−23	−25	−11	+	4	+	0	−	8	−	3	+17	+	0	−	9	0	−0.15
74050	15 07 58.52	−14 35 32.9	7.98 H		226.993 825 23	−14.592 462 56		4.91	−18.89	5.89	0.85	0.60	0.93	1.07	0.72	−27	−16	−	6	+20	−	7	+10	+	2	−	1	−	6	+	3	0	0.37
74051	15 08 00.14	−00 03 20.7	7.98 H		227.000 570 41	−00.055 749 28		9.68	−57.16	16.57	0.93	0.66	1.03	1.04	0.80	−39	−29	−12	+35	−23	+17	−18	+	3	−	1	−40			0	0.91
74052	15 08 00.51	+28 31 06.4	7.21 H		227.002 112 78	+28.518 432 48		4.74	5.96	−7.51	0.66	0.54	0.82	0.81	0.70	−19	−13	−15	+23	+	7	−21	+	1	+	7	−	4	−49		2	1.58
74053	15 08 01.24	−51 30 35.7	8.84 H		227.005 172 88	−51.509 919 39		9.17	20.34	−25.86	0.85	0.83	1.17	0.89	1.11	−20	−19	−28	−13	+	9	−15	+10	+	4	−	2	−39		0	0.38
74054 H	15 08 01.54	−33 12 11.3	8.99 H		227.006 412 74	−33.203 133 10	A	12.42	−47.70	−84.39	2.23	1.72	2.16	2.08	1.89	−	2	−19	−26	+	4	+	2	+	6	+	3	+14	−20	−17		0	0.13
74055	15 08 05.29	+69 43 55.9	10.29 H		227.022 054 68	+69.732 198 08		7.80	−147.25	77.05	0.95	0.99	1.08	1.03	1.16	+	5	−14	−30	−	9	−	7	+	2	−	7	−	2	+	3	−13	0	−0.05
74056	15 08 05.67	−36 33 12.1	8.53 H		227.023 636 20	−36.553 372 95		3.68	5.32	−1.15	1.03	0.81	1.14	1.05	0.93	−	1	−31	+	0	+14	+	5	−	6	+	7	+	5	−	6	+	3	0	−2.31
74057	15 08 05.80	−03 45 24.2	7.64 H		227.024 161 79	−03.756 726 01		5.04	−34.14	15.03	1.14	0.65	1.06	1.32	0.80	−47	+10	−	8	+56	−26	+29	−20	−	8	−19	−41			2	−1.46
74058	15 08 06.39	+35 14 07.5	10.23 H		227.026 610 59	+35.235 424 32		0.68	15.03	−12.94	1.12	1.23	1.77	1.32	1.43	+29	−16	−	9	+23	+23	−15	+22	+20	−	4	+25			2	0.78
74059	15 08 06.49	−12 03 04.6	7.66 H		227.027 047 55	−12.051 272 42		16.21	−137.86	−60.12	0.93	0.72	1.34	1.19	1.15	−14	−30	−51	+34	+17	−29	−20	−36	+52	−61				0	0.70
74060	15 08 07.79	+01 18 30.7	8.80 H		227.032 475 44	+01.308 536 66		1.76	5.96	−5.68	1.12	0.90	1.23	1.26	0.98	−31	−23	−	5	+24	−	8	+	5	−	5	−18	+	0	−29	0	1.80
74061	15 08 09.20	+39 58 12.3	10.58 2 H		227.038 336 30	+39.970 096 78		6.76	−89.03	58.80	1.15	1.12	1.49	1.48	1.47	+21	+	0	+	4	−12	−12	+10	−10	+	2	+	8	+	7		3	0.16
74062	15 08 10.52	+17 52 15.9	9.04 H		227.043 830 53	+17.871 069 91		8.14	−2.41	3.50	1.10	0.86	1.25	1.59	1.19	+26	−24	−16	−	4	−	8	+	1	−	6	−15	−	5	+21	0	−0.81
74063	15 08 10.67	−21 10 00.4	11.44 H		227.044 440 83	−21.166 769 30		7.93	39.50	−81.30	13.42	20.34	8.68	14.39	26.46	−92	+70	−71	+86	−92	+51	−93	+98	−67	−94				0	−0.82
74064	15 08 10.88	−42 19 26.6	9.32 H		227.045 319 98	−42.324 068 24		6.87	−15.42	−75.89	0.98	0.89	1.49	1.47	1.43	−54	+	3	−20	+	1	+	8	−45	−	1	+12	+13	−45		0	0.65
74065	15 08 11.24	+21 05 08.7	7.97 H		227.046 838 70	+21.085 756 40		10.46	96.48	−110.05	0.62	0.50	0.93	0.74	0.70	+	1	−28	−	1	+12	+	3	−	8	−	1	−12	−	5	−22	0	−0.46
74066	15 08 12.15	−40 35 01.9	5.75 2 H		227.050 610 50	−40.583 856 04		7.90	−28.59	−30.38	0.66	0.51	0.85	0.61	0.63	−29	−21	−17	−19	+	9	−35	−	2	−	9	−	4	−24		0	0.17
74067	15 08 12.66	−07 54 43.6	8.00 G		227.052 749 00	−07.912 115 03		28.29	−158.40	−446.26	0.99	0.63	1.04	1.04	0.73	−36	−37	−	4	+44	−22	+10	−22	+13	+10	−34			0	1.00
74068	15 08 12.93	+18 53 35.5	8.36 H		227.053 862 86	+18.893 198 80		8.37	−105.57	22.34	1.28	1.05	1.32	2.05	2.10	+26	−12	+	1	−64	−35	+19	−28	−45	−39	+	0		0	1.69
74069	15 08 13.62	+39 40 04.1	8.55 G		227.056 767 92	+39.667 802 69		5.98	−6.77	−25.71	0.72	0.71	0.93	0.93	0.85	+	6	+	7	+	4	−11	+12	−10	+10	+	5	+	8	+	3	0	−2.08
*74070	15 08 13.92	+26 42 40.9	7.90 H		227.058 016 99	+26.711 349 83		4.46	6.04	−1.11	0.86	0.69	1.08	1.05	0.94	−20	+	5	−14	−22	+27	−11	+21	−33	−19	−41				2	0.36
*74071	15 08 13.86	−52 52 38.9	8.74 G		227.057 733 98	−52.877 480 15		1.53	−2.61	−4.00	1.05	0.98	1.31	1.40	1.64	−29	−29	−13	+30	+	4	−14	−	3	+	8	+26	−40		0	0.19
74072	15 08 14.25	+01 58 31.6	10.36 G		227.059 354 56	+01.975 449 12		4.05	−14.58	−12.20	1.58	1.30	1.88	1.68	1.41	−23	−41	−18	+16	−15	+	9	−16	+10	+	8	−37		0	0.02
74073	15 08 15.08	−59 58 06.7	9.18 G		227.062 838 85	−59.968 527 21		1.10	−0.19	−3.55	1.23	1.07	1.54	1.42	1.33	+18	−36	+	7	+24	+23	−16	+27	+	8	−	4	+40		0	−0.11
74074	15 08 15.11	+57 39 25.5	7.72 1 H		227.062 970 82	+57.657 087 17		2.29	14.67	−26.55	0.51	0.53	0.60	0.54	0.59	+	4	−	7	−13	−25	−	5	+	4	+	0	+	0	−	4	−17	1	−0.45
74075	15 08 15.42	−59 57 15.1	8.78 H		227.064 242 03	−59.954 181 44		18.55	−193.50	−177.72	1.15	0.99	1.40	1.30	1.21	+	5	−37	+13	+24	+21	−16	+27	+11	−11	+36				4	−0.19
74076	15 08 16.22	−58 41 57.8	8.87 G		227.067 580 26	−58.699 384 37		1.11	−4.53	−2.96	0.94	0.91	1.29	1.20	1.17	+	9	−	6	+	7	+12	+	2	−20	+	4	+12	−10	+21		2	2.27
74077	15 08 16.74	−68 59 50.2	8.62 2 H		227.069 746 57	−68.997 289 49		5.00	−12.79	−8.75	0.61	0.83	1.10	0.74	1.10	+25	−13	−	7	+	7	+	5	+	5	+	7	+20	−	9	+24	0	1.51
74078	15 08 17.97	−50 07 39.2	8.48 H		227.074 867 14	−50.127 561 78		13.34	−13.67	2.05	0.78	0.77	1.14	0.84	0.98	−	9	−26	−25	+11	+	9	−23	+	0	+	6	+20	−32		0	1.41
74079	15 08 18.06	+03 55 50.3	7.67 H		227.075 239 87	+03.930 631 98		16.80	0.71	−14.74	1.05	0.76	1.11	1.54	0.89	+	3	−24	−	6	−	9	−	5	−16	−	2	−16	+	9	+28	0	−0.96
74080	15 08 18.45	+33 42 23.3	6.70 H		227.076 867 12	+33.706 481 34		6.92	−34.69	12.38	0.39	0.45	0.67	0.44	0.50	+23	−11	−10	+	0	+	1	−10	+	1	+	7	−	3	+17	1	−0.68
74081	15 08 18.92	−09 49 24.3	10.44 H		227.078 838 01	−09.823 424 19		5.23	−22.47	−6.32	5.17	3.66	6.13	7.08	4.66	−23	−	1	−31	+	0	−	4	−17	−	8	−36	+27	−24		0		
74082	15 08 19.41	+65 47 19.1	6.63 2 H		227.080 884 56	+65.788 643 54		2.84	−13.50	18.64	0.47	0.53	0.55	0.47	0.63	+16	−22	−15	−17	−12	−12	−19	−14	+17	+	8			0	1.09
74083	15 08 19.54	+50 03 18.0	6.33 H		227.081 421 01	+50.055 006 20		7.71	−3.93	−21.20	0.46	0.45	0.54	0.54	0.52	−	1	−	1	+	3	+	3	−	1	+	1	−	1	+14	−12	−	3	0	−0.75
74084	15 08 21.62	−22 05 51.2	8.02 H		227.090 085 31	−22.097 567 01		1.65	3.30	−20.38	0.98	0.79	1.20	1.23	1.03	−	9	−13	−38	+	0	−	5	+	1	−	9	+	0	−22	−10	0	1.37
74085	15 08 21.89	+21 04 10.9	8.87 H		227.091 200 96	+21.069 695 24		3.81	−28.66	9.96	0.70	0.62	1.08	0.86	0.85	−	6	−19	−	5	+23	+	3	−13	−	2	−	9	−	3	−25	1	−0.20
74086	15 08 23.36	−58 41 51.1	8.83 G		227.097 346 27	−58.697 525 61		0.91	−5.47	0.48	0.90	0.93	1.31	1.15	1.24	+	5	−	7	−	5	+	8	+	2	−23	+	1	+17	−12	+12		2	1.66
74087	15 08 23.78	+26 18 04.3	5.67 G		227.099 084 75	+26.301 182 71		7.77	1.14	−12.41	0.67	0.66	0.83	0.96	0.76	−39	+26	−37	−37	+51	−46	+32	−48	+23	−54				0	1.48
74088	15 08 29.24	+03 10 40.1	9.18 H		227.121 843 46	+03.177 801 50		10.53	−33.55	−24.39	1.43	1.17	1.55	1.79	1.34	−22	−20	−18	+25	+	9	−11	+	5	−16	+	8	−25		0	0.11
74089	15 08 29.29	+30 58 14.6	8.92 H		227.122 022 93	+30.970 731 12		4.65	33.56	−37.19	0.69	0.75	1.15	0.71	0.83	+14	−	2	+	7	+28	−10	−	2	−10	+31	−	7	+	0	0	−0.01
74090	15 08 29.99	+13 06 45.8	9.07 H		227.124 944 70	+13.112 729 81		−2.63	−17.81	−9.70	1.00	0.74	1.54	1.31	1.28	−10	−34	−12	−21	−27	+41	−35	−	3	+27				0	−1.27
74091	15 08 30.18	−80 18 50.0	6.81 H		227.125 740 03	−80.313 887 14		4.25	−14.70	−5.36	0.48	0.47	0.59	0.53	0.61	+17	−15	−	3	−25	−	8	−12	−12	−	6	+	8	+25		0	1.83
74092	15 08 30.21	+72 22 09.7	7.84 H		227.125 873 32	+72.369 359 66		21.16	84.04	−7.35	0.57	0.54	0.61	0.68	0.58	+	0	−	1	−24	+14	−	8	+	7	−	6	+21	−20	−12		1	1.51
74093	15 08 30.31	−66 28 32.9	7.28 H		227.126 289 00	−66.475 810 63		1.95	−11.10	−14.15	0.36	0.48	0.72	0.37	0.55	+23	+	7	+	5	−39	+	3	−16	−	5	+	6	−	7	+43	0	−0.52
74094	15 08 33.29	+53 15 44.4	7.45 H		227.138 688 54	+53.262 338 18		9.59	−70.86	33.34	0.52	0.53	0.63	0.62	0.58	+12	−20	−22	+	7	−20	+23	−19

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
74001	8.791	0.025	7.753	0.018		0.903	0.023	T	0.90	0.02	L	7.7876	0.0024	0.012	40		7.77	7.81					1							S
74002	10.895	0.056	10.198	0.045		0.643	0.059	T	0.71	0.05	L	10.3538	0.0040	0.031	103		10.30	10.40					1							
74003	10.857	0.053	9.929	0.039		1.051	0.015	G	1.02	0.01	H	9.9852	0.0039	0.034	80		9.93	10.03					1							
74004	9.295	0.023	7.970	0.014		1.125	0.021	T	1.09	0.02	L	8.0225	0.0018	0.011	60		8.01	8.04					1							S
74005	10.159	0.036	8.381	0.016		1.511	0.032	T	2.70	0.05	O	8.1096	0.0046	0.034	67		8.05	8.19		U 2			1	S						S P
74006	6.959	0.005	5.872	0.004		0.920	0.001	G	0.92	0.00	H	5.9351	0.0007	0.006	84		5.92	5.95					1							S
74007	8.258	0.012	7.821	0.013		0.426	0.014	T	0.49	0.01	L	7.8791	0.0012	0.008	67		7.87	7.89		C			1							S
74008	10.382	0.066	9.691	0.056		0.638	0.071	T	0.70	0.06	L	9.7219	0.0022	0.017	40		9.69	9.75		D			1							
74009	10.768	0.036	9.402	0.018		1.157	0.032	T	1.12	0.03	L	9.4818	0.0024	0.026	156		9.44	9.53					1							
74010	10.849	0.049	9.301	0.022		1.300	0.042	T	1.26	0.04	L	9.2854	0.0020	0.015	83		9.26	9.31		C			1							
74011	8.564	0.012	8.541	0.015		0.024	0.015	G	0.04	0.01	H	8.5570	0.0030	0.021	82		8.48	8.59		U 2			1	S						
74012	11.123	0.106	10.601	0.105		0.560	0.072	G	0.63	0.07	R	10.6201	0.0053	0.028	44		10.58	10.68		C			1							G
74013	8.695	0.010	7.368	0.006		1.126	0.009	T	1.09	0.01	L	7.4136	0.0009	0.009	112		7.40	7.43		C			1							S
74014	9.622	0.018	9.061	0.017	A	0.700	0.495	G	0.64	0.04	L *	9.0764	0.0018	0.018	111	*	9.04	9.11			15075+1541	I 1	2 C	C	AB	12	3.295	0.040	3.87	0.16	
74015	9.268	0.013	9.096	0.015		0.165	0.019	T	0.18	0.02	L	9.1264	0.0026	0.025	148		9.10	9.17		C			1							S
74016	8.028	0.033	7.320	0.032	A	0.680	0.020	G	0.74	0.02	H *	6.8019	0.0025	0.012	45	*	6.77	6.82		R	15075+0914	I 1	2 C	A	AB	211	4.121	0.004	0.23	0.01	S
74017	9.537	0.017	9.051	0.016		0.457	0.021	T	0.53	0.02	L	9.0921	0.0017	0.018	106		9.07	9.13					1							
74018	8.901	0.018	7.429	0.010		1.240	0.016	T	1.20	0.02	L	7.4597	0.0015	0.010	48		7.44	7.48		C			1							S
74019	9.116	0.014	7.869	0.009		1.064	0.013	T	1.03	0.01	L	7.9299	0.0013	0.013	120		7.91	7.95					1							S
74020	10.539	0.049	9.924	0.044		0.511	0.015	G	0.58	0.02	H	9.9805	0.0038	0.024	74		9.92	10.02					1							
74021	10.685	0.035	8.846	0.014		1.530	0.030	T	1.57	0.07	L	8.7990	0.0018	0.019	137		8.76	8.84					1							
74022	10.404	0.040	9.901	0.040		0.473	0.051	T	0.54	0.05	L	9.9878	0.0035	0.023	81		9.95	10.03		C			1							G
74023	8.806	0.009	8.255	0.008		0.516	0.011	T	0.59	0.01	L	8.2714	0.0012	0.016	217		8.25	8.30		D	15076−6250	I 1	1 X	S						
74024	11.034	0.045	9.765	0.024		1.081	0.040	T	1.04	0.03	L	9.8668	0.0029	0.028	131		9.83	9.92		C			1							
74025	9.340	0.020	8.862	0.020		0.463	0.022	T	0.53	0.02	L	8.8885	0.0023	0.014	62		8.87	8.92		C			1							
74026	7.362	0.010	6.272	0.007		0.921	0.046	G	0.94	0.02	A	6.3184	0.0010	0.007	51		6.31	6.33					1							S
74027	9.416	0.030	8.900	0.028	*	0.485	0.037	T	0.56	0.04	L *	9.5172	0.0030	0.023	131	*	9.48	9.56		D	15077+1158	I 1	2 C	A	AB	292	1.983	0.010	0.41	0.02	
74028	9.317	0.017	8.680	0.015		0.592	0.020	T	0.66	0.02	L	8.7576	0.0025	0.016	81		8.73	8.78		C			1							
74029	11.864	0.076	11.124	0.065		0.672	0.007	G	0.73	0.01	H	11.3023	0.0038	0.052	249		11.22	11.40					1							G
74030	9.887	0.019	8.124	0.009		1.469	0.017	T	1.48	0.03	L	8.0905	0.0015	0.016	133		8.05	8.12		M			1							S
74031	10.168	0.027	9.510	0.023		0.610	0.030	T	0.68	0.03	L	9.6207	0.0032	0.025	94		9.57	9.66		C			1							
74032	7.774	0.004	7.851	0.005		−0.066	0.006	T	−0.04	0.01	L	7.8530	0.0009	0.015	283		7.83	7.88					1							S
74033	8.921	0.020	8.325	0.018		0.575	0.014	G	0.65	0.01	H	8.3747	0.0024	0.012	39		8.35	8.40					1							S
74034	12.052	0.141	10.936	0.088		1.592	0.197	G	2.58	0.45	I	11.1427	0.0103	0.115	113		10.82	11.26		U 2			1	G						G
74035	8.528	0.007	8.485	0.009		0.039	0.010	T	0.05	0.01	L	8.5032	0.0015	0.018	230		8.48	8.53					1							
74036	9.978	0.021	8.836	0.014		0.982	0.020	T	0.96	0.02	L	8.8952	0.0021	0.018	131		8.85	8.94					1							
74037	7.319	0.007	6.881	0.006		0.413	0.008	T	0.48	0.01	L	6.9172	0.0024	0.019	112		6.89	6.98		U 2	15078+6307	I 1	1 X	S						S
74038	8.746	0.016	8.277	0.015		0.455	0.017	T	0.52	0.02	L	8.3469	0.0023	0.015	58		8.33	8.36		C			1							S
74039	9.911	0.026	8.451	0.014		1.230	0.023	T	1.19	0.02	L	8.4539	0.0016	0.013	94		8.43	8.48		C			1							
74040	10.580	0.036	9.853	0.030	A	1.100	0.495	G	0.38	0.13	S *	9.7694	0.0026	0.026	103	*	9.73	9.81		R	15079+8629	I 1	2 C	A	AB	66	2.124	0.009	1.65	0.04	
74041	9.611	0.015	9.190	0.016		0.398	0.020	T	0.46	0.02	L	9.2436	0.0019	0.019	164		9.20	9.28		C			1							S
74042	10.911	0.042	9.437	0.021		1.260	0.015	G	1.22	0.02	H	9.4519	0.0023	0.021	133		9.42	9.49		C			1							
74043	9.586	0.020	9.005	0.019		0.545	0.020	T	0.62	0.02	L	9.0635	0.0023	0.019	94		9.02	9.09		C			1							
74044	7.003	0.005	6.530	0.006	*	0.432	0.003	G	0.50	0.00	H *	6.5838	0.0012	0.008	89	*	6.57	6.60		D	15079−6108	H 1	2 C	A	AB	281	0.271	0.004	0.02	0.05	S
74045	9.928	0.025	8.824	0.017		0.952	0.024	T	0.94	0.02	L	8.8841	0.0027	0.024	109		8.85	8.93		U 2			1							
74046	10.703	0.031	10.192	0.032		0.480	0.040	T	0.55	0.04	L	10.2390	0.0027	0.033	193		10.16	10.31					1	X	S					G
74047	8.099	0.008	6.339	0.003		1.470	0.000	G	1.48	0.00	H	6.3103	0.0007	0.008	161		6.29	6.33					1							S
74048	10.468	0.051	9.820	0.047		0.580	0.020	G	0.65	0.02	H	9.8800	0.0018	0.019	58		9.85	9.92		C			1							
74049	8.657	0.015	7.826	0.012		0.730	0.015	G	0.78	0.01	H	7.8854	0.0020	0.015	97		7.86	7.91					1							
74050	8.024	0.009	7.984	0.012		0.036	0.013	T	0.05	0.01	L	7.9946	0.0016	0.015	78		7.97	8.02		C			1							S
74051	8.448	0.014	8.028	0.013		0.397	0.018	T	0.46	0.02	L	8.0717	0.0015	0.011	76		8.05	8.09		C			1							S
74052	8.330	0.010	7.309	0.006		0.890	0.009	T	0.90	0.01	L	7.3674	0.0010	0.011	117		7.35	7.39		C			1							S
74053	9.325	0.018	8.861	0.018		0.450	0.020	T	0.52	0.02	L	8.9394	0.0020	0.018	95		8.90	8.97		C			1							
74054	9.636	0.028	9.043	0.025	A	0.500	0.495	G	0.56	0.06	L *	9.0949	0.0020	0.016	54	*	9.07	9.12		D	15080−3312	I 1	2 C	B	AB	65	2.778	0.052	3.21	0.29	
74055	11.294	0.059	10.364	0.041		0.808	0.056	T	0.83	0.04	L	10.4342	0.0039	0.038	115		10.38	10.50					1							
74056	9.893	0.031	8.639	0.019		1.069	0.028	T	1.03	0.02	L	8.6939	0.0034	0.014	58		8.68	8.72					1							
74057	9.136	0.019	7.782	0.011		1.147	0.017	T	1.11	0.01	L	7.8076	0.0015	0.010	68		7.79	7.83					1							S
74058	11.100	0.041	10.298	0.032		0.726	0.040	T	0.78	0.03	L	10.3701	0.0030	0.034	157		10.31	10.43					1							
74059	8.555	0.013	7.751	0.011		0.727	0.013	T	0.78	0.01	L	7.8068	0.0018	0.010	65		7.79	7.83					1							S
74060	10.595	0.078	8.967	0.031		1.363	0.066	T	1.33	0.08	L	8.9525	0.0036	0.017	51		8.91	8.97		C			1							
74061	11.364	0.065	10.664	0.055		0.633	0.064	T	0.70	0.06	L	10.7147	0.0205	0.155	142		10.57	10.96	0.30	P 1 A			1							G
74062	9.513	0.020	9.063	0.020		0.424	0.026	T	0.49	0.03	L	9.1388	0.0029	0.020	84		9.09	9.16					1							
74063						1.500	0.510	G	1.93	0.56	K	11.5274	0.3556	0.706	22		9.71	13.04					1							G
74064	10.325	0.029	9.405	0.021		0.800	0.028	T	0.83	0.02	L	9.4619	0.0024	0.021	116		9.43	9.49		C			1							
74065	9.120	0.012	8.068	0.009		0.913	0.011	T	0.91	0.01	L	8.1276	0.0011	0.013	159		8.10	8.15					1							S
74066	5.620	0.005	5.750	0.005		−0.113	0.006	T	−0.10	0.01	L	5.7187	0.0041	0.034	94		5.70	5.78	1.75	P 1 A			1							S
74067	8.699	0.016	8.065	0.014		0.598	0.019	G	0.67	0.02	H	8.1126	0.0020	0.011	62		8.10	8.14		C			1							S
74068	9.115	0.015	8.435	0.013		0.647	0.015	G	0.71	0.01	H	8.4957	0.0017	0.016	82		8.47	8.53		C			1	G						S
74069	8.995	0.013	8.582	0.013		0.404	0.015	G	0.47	0.02	H	8.6368	0.0020	0.019	139		8.61	8.67					1	G						S
74070	9.128	0.013	7.997	0.009		1.000	0.015	G	0.98	0.01	H	8.0655	0.0010	0.014	107		8.04	8.09		D			1							S
74071	8.859	0.014	8.781	0.018		0.103	0.005	G	0.12	0.01	H	8.7884	0.0023	0.017	72		8.76	8.83		C			1	S						
74072	10.976	0.072	10.458	0.071		0.510	0.020	G	0.58	0.02	H	10.4392	0.0038	0.027	56		10.37	10.48		C			1							
74073	9.271	0.016	9.151	0.020		0.120	0.015	G	0.13	0.01	H	9.2286	0.0028	0.028	95		9.17	9.27			15083−5958	I 2	1							
74074	9.689	0.017	7.909	0.008		1.483	0.015	T	1.50	0.02	L	7.8435	0.0018	0.017	122		7.81	7.87		U			1							S
74075	9.581	0.019	8.853	0.017		0.653	0.003	G	0.72	0.00	H	8.9156	0.0023	0.028	94		8.87	8.97			15083−5958	I 2	1							
74076	8.906	0.014	8.882	0.018		0.080	0.015	G	0.09	0.02	H	8.9079	0.0030	0.021	86		8.87	8.94			15083−5842	I 2	1							
74077	10.798	0.033	8.876	0.012		1.630	0.029	T	2.68	0.04	O	8.6060	0.0034	0.038	200		8.55	8.68		U 2	15083−6900	I 1	1							
74078	9.009	0.016	8.550	0.016		0.446	0.018	T	0.52	0.02	L	8.5759	0.0017	0.014	85		8.55	8.61		C			1							
74079	8.292	0.022	7.723	0.021		0.565	0.030	G	0.64	0.03	H	7.7912	0.0019	0.013	43		7.77	7.81		C			1							S
74080	7.941	0.005	6.803	0.004		0.979	0.005	T	0.96	0.00	L	6.8645	0.0008	0.009	207		6.85	6.88		C			1							S
74081	11.498	0.123	10.646	0.096		0.764	0.118	T	0.80	0.08	L	10.5891	0.0037	0.028	52		10.53	10.65		C			1	X	S					G
74082	8.723	0.012	6.909	0.006		1.510	0.011	T	1.54	0.02	L	6.7463	0.0030	0.023	112		6.71	6.78		U 2			1	S						S
74083	7.672	0.007	6.442	0.005		1.050	0.007	T	1.02	0.01	L	6.4933	0.0007	0.007	120		6.48	6.51		C			1							S
74084	9.880	0.029	8.203	0.014		1.401	0.025	T	1.38	0.03	L	8.1653	0.0022	0.012	54		8.14	8.19		C	15084−2206	I 1	1							
74085	9.298	0.014	8.899	0.014		0.377	0.018	T	0.44	0.02	L	8.9603	0.0014	0.022	161		8.93	9.00		C			1							
74086	8.840	0.013	8.803	0.017		0.046	0.005	G	0.06	0.00	H	8.8534	0.0025	0.024	89		8.83	8.90			15083−5842	I 2	1							
74087	7.288	0.005	5.810	0.003		1.240	0.015	G	1.23	0.03	C	5.8297	0.0006	0.006	106		5.82	5.84		C			1	G						S
74088	9.791	0.033	9.230	0.032		0.570	0.020	G	0.64	0.02	H	9.2987	0.0028	0.019	49		9.28	9.34		C			1							
74089	10.104	0.020	9.025	0.013		0.934	0.018	T	0.93	0.01	L	9.0846	0.0018	0.022	179		9.05	9.12		C			1							
74090	10.607	0.032	9.200	0.017		1.189	0.028	T	1.15	0.03	L	9.2318	0.0019	0.021	120		9.21	9.27					1							
74091	6.864	0.004	6.825	0.005		0.041	0.006	T	0.06	0.01	L	6.8334	0.0008	0.009	131		6.82	6.85					1							S
74092	8.562	0.009	7.898	0.008		0.602	0.015	G	0.67	0.01	H	7.9644	0.0012	0.011	120		7.94	7.99		C			1							S
74093	7.299	0.004	7.280	0.005		0.018	0.006	T	0.04	0.01	L	7.2889	0.0009	0.010	265		7.27	7.31		C			1							S
74094	7.814	0.007	7.487	0.007		0.310	0.009	T	0.36	0.01	L	7.5271	0.0009	0.009	110		7.52	7.54		C			1							S
74095	10.199	0.029	9.672	0.029		0.568	0.015	G	0.64	0.01	H	9.7236	0.0020	0.019	96		9.70	9.75		C			1							
74096	7.409	0.006	5.946	0.003		1.233	0.005	T	1.19	0.01	L	5.9781	0.0007	0.007	127		5.97	5.99		C	15086+2507	I 1	1							S
74097	8.652	0.010	8.086	0.009		0.529	0.012	T	0.60	0.01	L	8.1434	0.0015	0.016	112		8.12	8.18		C			1							S
74098	9.617	0.030	9.156	0.030		0.448	0.033	T	0.52	0.04	L	9.2050	0.0029	0.018	56		9.18	9.24		C			1							
74099	9.383	0.032	7.756	0.016		1.320	0.015	G	1.28	0.02	H	7.7886	0.0019	0.011	43		7.77	7.80		C			1							S
74100	5.685	0.003	5.809	0.003		−0.123	0.044	G	−0.16	0.03	C	5.7981	0.0005	0.004	97		5.79	5.81		C			1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	$\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr		$\alpha*$	$\alpha*$	δ	$\alpha*$	δ	π	$\alpha*$	δ	π	$\mu_{\alpha*}$	%	
1 2	3	4	5 6 7		8	9 10		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
74101	15 08 39.86	−55 47 41.5	8.42 H		227.166 069 55	−55.794 856 31		0.68	2.44	−9.53	0.74	0.71	1.11	0.89	0.95	− 1	−33	−22	+12	+23	−28	+14	− 4	+15	−22	0	−0.70
74102	15 08 41.51	−33 56 57.5	8.95 H		227.172 937 54	−33.949 302 64		8.85	−36.18	−11.22	1.01	0.86	1.18	1.08	1.03	−10	− 6	−31	+22	−11	+14	− 6	+28	− 4	−24	0	0.20
74103	15 08 41.71	+15 58 28.8	9.22 H		227.173 791 84	+15.974 654 29		8.49	−61.41	−82.50	1.26	1.46	1.57	1.55	1.89	−53	+11	−28	−46	+44	− 8	+40	−70	+33	−62	0	1.10
74104	15 08 42.53	−44 29 04.2	8.13 G		227.177 189 77	−44.484 489 84		5.96	−19.14	−22.56	0.76	0.71	1.04	0.90	1.02	−24	−16	−28	+18	− 7	− 1	− 4	+29	− 8	−31	0	0.06
74105	15 08 42.84	−29 21 54.9	7.89 H		227.178 485 05	−29.365 236 73		7.98	−11.11	−17.38	1.07	0.72	1.18	1.31	0.95	+14	−32	−37	+ 3	−18	+12	−20	+10	+14	+10	0	0.63
74106 H	15 08 42.97	−00 58 50.4	8.41 H		227.179 033 15	−00.980 678 89	A	15.10	21.92	−91.10	4.71	2.23	4.05	4.25	2.85	−43	−52	+ 0	+39	+ 4	−43	−29	−28	+53	−68	1	1.10
74107	15 08 43.71	+64 32 51.2	7.04 H		227.182 143 18	+64.547 561 41		4.12	−1.59	58.10	0.52	0.54	0.57	0.56	0.63	+15	−11	−19	−19	−17	− 5	−18	−12	− 5	+ 9	0	1.72
74108	15 08 44.49	+46 28 44.0	8.77 H		227.185 365 47	+46.478 891 36		1.31	−41.10	15.13	0.71	0.72	0.86	0.91	0.88	+10	+ 4	−15	− 6	+ 7	− 8	+ 3	+18	+ 0	+22	1	1.48
74109	15 08 44.88	+12 29 20.0	7.24 H		227.186 987 02	+12.488 889 46		5.63	−32.02	0.68	0.63	0.54	0.86	0.70	0.82	−31	−29	− 6	+ 8	−37	+17	−44	+25	+18	−48	3	−0.20
74110	15 08 45.23	−61 38 01.5	6.82 2 H		227.188 477 77	−61.633 753 93		3.24	−3.74	−6.82	0.67	0.56	0.82	0.75	0.71	+ 8	−44	− 4	+17	+23	− 3	+23	+17	− 5	+21	2	0.57
74111	15 08 47.48	−20 41 40.1	7.99 H		227.197 851 21	−20.694 475 56		3.40	15.23	−7.89	1.03	0.70	1.23	1.39	1.29	−37	− 6	−14	+14	−14	−18	−22	+ 5	+33	−44	0	0.41
74112	15 08 47.49	−42 50 50.4	8.64 1 H		227.197 893 00	−42.847 337 99		7.94	−43.25	−22.44	0.88	0.86	1.34	1.08	1.24	−55	− 4	−19	+ 8	+ 7	−32	+ 5	+12	+10	−52	2	0.89
74113	15 08 48.08	−50 41 23.3	8.62 H		227.200 333 26	−50.689 803 90		2.09	−14.55	− 6.26	0.77	0.87	1.25	0.96	1.13	−10	−25	−42	+ 8	− 4	− 7	− 8	+20	+11	−33	0	0.07
74114	15 08 48.13	−25 19 10.7	9.11 H		227.200 548 53	−25.319 651 74		5.74	−17.68	−16.25	1.40	1.06	1.58	1.84	1.45	−22	+24	−44	−23	−25	− 3	−45	+32	−41	+14	0	1.65
74115	15 08 48.71	−70 42 37.9	7.05 H		227.202 960 20	−70.710 522 56		7.68	−31.96	−33.25	0.46	0.53	0.74	0.46	0.64	+22	−34	− 1	+ 0	+ 3	−13	+ 0	+17	− 3	+39	1	1.52
74116 H	15 08 49.93	−06 09 32.9	8.21 H		227.208 050 84	−06.159 140 11	A	9.53	−45.76	−16.26	2.06	1.86	1.87	2.21	1.52	−23	+ 2	−18	+22	−19	+23	−20	−12	+13	−32	2	−0.56
74117 H	15 08 50.63	−45 16 47.3	4.07 H		227.210 956 53	−45.279 794 06	*	8.02	−17.32	−26.11	0.53	0.51	0.69	0.55	0.60	−40	−31	+ 0	+ 6	− 3	−15	− 3	+19	− 4	−32	2	−0.13
74118	15 08 52.07	+19 02 19.4	8.28 H		227.216 945 44	+19.038 716 05		26.65	−152.97	−35.54	1.01	0.75	1.16	1.16	1.06	+30	−19	−18	−42	−31	+ 0	−31	−25	+ 6	− 2	0	0.99
74119	15 08 52.96	−23 03 58.1	7.92 2 H		227.220 647 30	−23.066 142 26		1.23	−14.43	− 1.84	0.97	0.75	1.09	1.25	0.96	−15	+ 2	−29	+12	−10	+12	− 8	+14	+ 2	+ 0	0	0.80
74120	15 08 53.18	+24 13 49.4	9.10 H		227.221 571 20	+24.230 375 97		8.62	18.91	12.16	0.86	0.80	1.27	1.14	1.26	−14	−11	−25	+26	+27	−32	− 3	−31	+20	−65	0	1.17
74121	15 08 53.54	+13 14 06.2	6.16 H		227.223 079 13	+13.235 061 61		5.60	−45.21	74.29	0.63	0.45	0.93	0.76	0.67	−15	−47	− 1	−27	−19	+45	−28	+ 1	+14	−18	0	1.34
74122	15 08 53.91	−59 08 31.6	6.87 H		227.224 620 24	−59.142 118 90		2.29	−11.35	−11.46	0.77	0.59	0.85	1.09	0.86	+28	−25	− 2	+43	+27	−10	+34	+19	− 9	+51	0	−0.08
74123	15 08 53.97	−03 46 59.2	10.49 G		227.224 858 02	−03.783 113 83		12.30	−219.60	−163.15	1.92	1.36	2.17	2.31	1.59	−46	−22	+ 1	+24	−15	+21	− 1	−30	− 8	−27	4	−0.70
74124	15 08 54.52	−41 45 54.1	8.14 H		227.227 164 46	−41.765 034 21		2.11	−25.52	−42.63	0.87	0.75	1.30	1.36	1.19	−52	+15	−21	+ 0	+11	−38	+ 2	+14	+ 6	−23	0	0.52
74125 H	15 08 55.26	−06 34 38.3	8.80 H		227.230 259 52	−06.577 296 36	A	9.65	−4.84	−18.39	3.92	2.25	3.13	4.38	2.37	−21	−28	−21	+ 9	−39	+18	−38	− 1	+ 6	−15	0	2.08
74126	15 08 55.65	−05 37 30.3	8.84 H		227.231 893 98	−05.625 093 20		20.18	−1.21	43.02	1.06	0.81	1.25	1.28	0.96	−26	−10	−29	+ 8	−10	+ 8	− 6	−18	+ 2	−23	5	−0.64
74127	15 08 56.71	−11 47 25.7	7.57 2 H		227.236 299 99	−11.790 462 23		9.32	60.88	− 7.85	0.90	0.73	1.22	1.13	1.06	−23	−18	−47	+26	+11	−12	− 6	−29	+37	−53	0	−1.18
74128	15 08 57.23	−48 33 55.5	8.73 H		227.238 472 55	−48.565 415 26		6.20	−32.53	− 0.74	0.90	0.81	1.11	1.11	1.03	−20	−31	+ 3	+29	+ 6	−11	+ 6	+29	− 2	− 6	0	−0.27
74129 H	15 08 57.30	+01 41 21.5	7.51 H		227.238 748 85	+01.689 304 54	A	11.02	61.08	− 6.14	1.23	0.78	1.15	1.30	0.90	−21	−25	−12	+45	−29	+ 9	−31	+ 6	+10	−35	1	0.30
74130	15 08 57.33	+33 15 55.0	7.16 H		227.238 893 54	+33.265 281 16		4.56	−37.32	33.12	0.45	0.53	0.82	0.51	0.61	+30	− 8	−10	+ 2	− 9	− 4	−10	− 8	− 6	+24	2	−0.78
74131	15 08 57.52	−26 29 50.2	6.92 2 H		227.239 650 76	−26.497 273 67		2.33	−3.98	0.78	0.81	0.66	1.03	1.08	0.79	− 4	−17	−42	+15	−18	+31	− 2	+23	−15	− 3	3	−0.79
74132	15 08 57.70	−04 00 47.9	8.25 H		227.240 406 40	−04.013 294 99		5.68	7.16	−36.82	1.04	0.69	1.23	1.25	0.89	−38	−28	+ 2	+21	−14	+31	− 5	−18	−18	−34	0	0.60
74133	15 08 57.85	+61 44 29.0	8.60 H		227.241 031 19	+61.741 400 32		2.15	13.38	−22.97	0.67	0.74	0.79	0.72	0.88	+ 7	−11	− 9	−24	− 5	−15	+ 0	+ 5	−13	− 9	0	0.55
74134	15 08 57.98	+60 47 46.7	7.94 H		227.241 569 56	+60.796 318 05		1.47	4.52	− 1.93	0.64	0.62	0.71	0.71	0.75	+ 1	−14	− 4	−10	+ 0	+ 0	+ 5	+ 4	−19	−16	2	0.82
74135	15 08 58.69	+37 19 05.9	8.87 H		227.244 540 90	+37.318 308 87		24.58	67.70	103.07	0.71	0.69	0.98	0.75	0.80	+18	+ 2	−13	+ 6	− 5	− 1	− 6	− 4	+16	+16	0	0.20
74136	15 08 58.71	−25 03 13.1	8.35 H		227.244 606 52	−25.053 635 04		9.93	−105.47	22.64	1.17	0.81	1.17	1.69	1.13	+ 3	+ 5	−22	−22	−20	−13	−32	+17	−25	+33	0	1.14
74137	15 08 59.01	+64 04 57.8	8.33 H		227.245 864 37	+64.082 735 09		1.80	− 5.09	− 0.07	0.69	0.70	0.75	0.72	0.86	+14	− 8	−22	−27	− 9	− 3	−11	+ 2	− 4	+14	3	0.03
74138	15 08 59.69	+80 12 30.5	8.01 H		227.248 712 12	+80.208 474 43		2.93	−14.12	38.12	0.61	0.58	0.65	0.65	0.66	+ 4	−12	−12	−12	− 8	− 3	− 7	+ 5	− 1	− 8	0	1.43
74139	15 08 59.74	−36 25 57.4	7.33 H		227.248 925 55	−36.432 620 39		5.61	−19.98	− 8.50	0.78	0.64	0.93	0.84	0.74	−10	−29	−16	+11	+ 2	−16	− 1	+ 0	+ 5	− 5	0	−1.56
74140	15 09 00.19	+49 21 18.6	8.98 H		227.250 798 38	+49.355 156 04		2.79	−16.92	− 1.08	0.79	0.80	0.95	0.94	0.95	+ 2	− 8	+ 7	− 5	+ 3	+11	+ 2	+13	− 4	+ 5	2	−0.31
74141	15 09 00.76	−72 18 26.8	6.73 G		227.253 187 31	−72.307 439 18		1.13	− 6.08	− 7.05	0.40	0.49	0.63	0.44	0.60	+ 9	−15	− 5	− 2	+ 7	−21	+ 8	+ 0	−12	+18	6	1.77
74142	15 09 01.81	−21 43 31.4	9.01 H		227.257 547 43	−21.725 402 61	A	8.82	−47.37	3.64	3.30	2.55	3.09	3.81	3.68	− 4	−17	−33	+ 6	− 5	−10	−13	+ 1	+32	−22	1	0.39
*74143 T	15 09 02.76	−21 43 47.8	11.06 H		227.261 513 49	−21.729 931 44	B	8.54	17.30	−40.87	66.83	50.91	43.71	48.36	48.62	− 8	−26	−30	+ 4	− 1	−23	−15	+ 0	+35	−39	1	0.39
*74144	15 09 02.35	−38 32 03.1	7.24 H		227.259 782 30	−38.534 194 83		12.47	−41.38	−25.62	0.80	0.53	0.95	0.87	0.78	−22	−35	−13	+18	− 4	+ 9	− 3	+16	+ 9	−17	0	0.61
*74145	15 09 02.43	−13 59 58.8	7.47 G		227.260 136 62	−13.999 665 28		10.92	−46.15	13.25	0.78	0.58	0.89	1.02	0.73	−25	− 8	−24	+ 4	+ 1	+ 0	+ 5	−22	+11	− 6	0	−1.11
74146	15 09 02.85	+21 50 27.6	9.27 H		227.261 873 57	+21.840 993 91		2.70	−30.12	0.02	0.80	0.68	1.20	0.95	1.01	− 5	−22	−10	+ 6	+ 5	−10	− 2	−15	+ 4	−35	0	−0.33
74147	15 09 03.32	−61 53 15.2	6.97 2 H		227.263 836 28	−61.887 561 54		0.85	− 6.46	− 9.73	0.54	0.59	0.76	0.63	0.75	− 4	−20	+ 2	+53	+19	− 9	+21	+21	− 3	− 6	0	−1.16
74148	15 09 04.51	+24 00 56.3	9.32 H		227.268 808 02	+24.015 648 30		29.57	−469.08	144.21	0.95	0.83	1.33	1.15	1.26	−11	−18	−22	+35	+31	−24	+ 3	−28	+ 7	−62	0	−0.15
74149	15 09 04.65	−28 21 45.4	7.67 H		227.269 365 07	−28.362 620 94		10.59	32.21	−10.82	0.82	0.72	1.09	1.00	0.87	− 7	−25	−45	+ 0	−19	+28	+ 0	+24	−29	−30	0	−0.11
74150	15 09 04.76	+04 44 30.1	9.91 G		227.269 821 98	+04.741 686 13		2.81	−19.91	−18.01	1.47	1.15	1.55	2.08	1.40	+11	−16	−23	+24	+ 7	−10	+ 9	+23	−20	+27	0	0.59
74151	15 09 04.76	+51 01 56.3	8.20 H		227.269 825 47	+51.032 309 47		3.38	−35.42	43.19	0.66	0.62	0.78	0.70	0.70	+ 8	−19	+ 3	+ 1	+11	− 5	+15	+ 2	−20	+ 6	0	1.24
74152	15 09 05.73	−54 55 36.3	8.32 2 H		227.273 873 12	−54.926 744 94		1.12	− 2.71	10.44	0.91	0.75	1.18	1.06	0.96	+20	−15	−22	+41	+34	−15	+30	+ 8	+27	+18	4	0.06
74153	15 09 05.77	+59 21 37.7	10.04 H		227.274 025 06	+59.360 469 93		0.99	−15.48	12.00	0.82	0.97	1.01	0.92	1.23	+ 1	−17	− 4	− 6	+ 3	+ 5	+ 8	+ 4	−20	− 8	3	−0.29
*74154	15 09 06.31	−30 40 49.3	8.60 H		227.276 289 04	−30.680 358 90		8.17	11.53	2.93	1.00	0.75	1.19	1.25	1.01	− 5	−16	−22	+22	− 4	+16	− 6	+18	+29	+ 6	5	2.48
*74155	15 09 06.25	+69 39 11.1	7.13 1 G		227.276 038 20	+69.653 089 61		9.26	− 8.08	− 1.10	0.48	0.51	0.54	0.47	0.55	+ 2	−21	−22	− 4	− 7	+ 2	− 7	+ 2	+ 2	−12	0	−0.20
74156	15 09 08.03	+30 19 26.1	8.71 H		227.283 438 81	+30.323 923 25		6.53	14.17	4.94	0.64	0.69	1.07	0.73	0.79	+17	− 1	+17	+23	− 8	− 2	− 8	+28	− 2	+ 7	0	1.22
74157 H	15 09 08.70	−50 51 36.2	7.97 H		227.286 267 19	−50.860 053 34	A	9.59	−58.55	− 2.59	1.15	1.22	1.47	1.28	1.62	−12	−29	−25	+15	− 1	−27	−11	+22	+16	−37	2	0.63
*74158	15 09 09.88	+33 03 38.0	8.30 1 H		227.291 183 94	+33.060 542 82		0.05	12.47	−22.17	0.58	0.69	1.05	0.67	0.84	+32	−17	−17	+ 2	−17	+12	−18	−13	+13	+29	0	−1.89
*74159	15 09 09.80	+28 08 48.2	9.76 G		227.290 818 58	+28.146 729 61		11.00	−40.23	−59.57	1.25	0.96	1.51	1.45	1.24	− 3	−17	− 3	+25	+14	−19	+12	+12	+ 5	−37	0	1.98
*74160	15 09 09.87	+68 18 41.6	9.08 H		227.291 124 52	+68.311 546 28		1.14	− 4.10	− 5.92	0.65	0.67	0.72	0.73	0.87	+14	−22	−23	−24	− 6	+ 6	− 8	−19	+17	+ 8	0	−0.74
*74161	15 09 09.87	+49 38 23.8	11.68 G		227.291 117 03	+49.639 935 62		27.53	−122.84	122.61	1.68	1.79	2.06	1.95	2.10	+ 6	− 5	+17	+ 1	+ 9	+11	+ 7	+ 8	− 1	+11	1	−0.11
74162	15 09 12.36	+34 43 52.1	9.47 H		227.301 500 10	+34.731 134 77		1.40	2.94	− 5.34	0.73	0.85	1.25	0.89	0.95	+ 6	− 6	−10	− 2	+ 6	−16	+ 5	+ 5	− 7	− 7	0	1.06
74163	15 09 12.55	−63 30 57.2	8.28 1 H		227.302 287 11	−63.515 876 70		1.97	− 2.53	− 0.34	0.97	1.04	1.82	1.26	1.45	+29	−10	− 4	+26	+16	− 8	+15	+18	+11	+33	1	
74164	15 09 13.37	−01 31 45.6	11.15 G		227.305 717 90	−01.529 323 79		22.26	−157.51	113.47	2.94	2.77	3.13	3.78	3.27	−40	+10	−46	+33	+21	− 7	+17	−71	+38	−42	0	2.54
74165	15 09 13.72	+14 31 23.1	11.34 H		227.307 154 18	+14.523 079 60		12.49	−352.64	−34.10	7.75	6.34	10.35	9.48	9.59	−11	−20	− 5	−27	−10	+19	−10	−16	− 8	−42	0	
74166	15 09 14.81	−32 50 07.9	8.26 2 H		227.311 701 04	−32.835 532 97		0.60	− 8.10	− 2.54	0.89	0.76	1.09	0.89	0.94	−11	−27	−33	+10	−19	+ 5	−12	+32	− 7	−43	2	0.35
74167	15 09 15.04	+42 50 39.8	9.03 H		227.312 685 17	+42.844 379 55		2.07	0.52	17.79	0.74	0.78	0.97	0.86	0.92	+18	+ 6	− 7	+ 1	− 4	+ 0	− 4	− 3	+ 1	+12	0	1.35
74168	15 09 16.62	−23 15 36.8	11.66 G		227.319 251 64	−23.260 221 87		−1.35	−14.11	− 4.71	2.99	2.33	3.38	3.42	2.87	−11	−16	−25	+ 4	− 3	− 8	+ 4	+ 7	−11	− 9	0	−2.29
74169	15 09 17.54	−57 21 46.5	8.02 H		227.323 073 29	−57.362 926 75		5.52	−30.33	−26.61	0.74	0.71	1.03	1.01	0.91	+ 8	−12	−25	+14	+33	− 8	+29	− 3	+16	+ 7	0	1.30
74170	15 09 17.68	+00 56 39.9	10.24 G		227.323 687 19	+00.944 413 60		4.12	−35.60	− 9.83	1.52	0.96	1.65	1.87	1.30	−31	−18	+ 6	+30	−14	+ 8	− 7	−26	+ 8	−14	2	1.60
74171	15 09 18.90	−55 50 49.6	8.59 H		227.328 767 51	−55.847 122 22		3.25	− 3.68	− 4.55	0.82	0.69	1.19	0.86	0.89	+28	−40	−41	+21	+29	−24	+ 8	+18	+29	− 7	0	0.51
74172	15 09 20.13	−18 00 53.5	8.38 H		227.333 886 12	−18.014 856 65		14.38	75.34	−80.84	0.98	0.71	1.15	1.19	0.97	−41	−15	−16	+ 3	−11	+ 5	−13	−11	+21	−23	0	−0.54
74173	15 09 20.25	+39 25 48.7	8.85 H		227.334 366 11	+39.430 189 74		3.08	−27.98	− 4.35	0.75	0.77	1.02	0.96	0.98	+11	− 3	− 7	+20	+ 5	− 6	+ 4	+ 2	+11	+ 7	0	−2.38
74174	15 09 20.49	−19 57 42.3	11.43 G		227.335 367 79	−19.961 736 59		15.25	−498.08	−275.90	2.64	1.62	3.20	3.22	2.61	−32	−29	−19	+ 7	−11	+ 1	−19	−10	+30	−23	0	−0.73
74175	15 09 20.95	−25 40 52.4	8.35 H		227.337 282 06	−25.681 208 69		3.88	−10.28	− 3.31	1.09	0.86	1.32	1.44	1.10	− 7	−20	−46	+ 1	−26	+16	−24	+24	− 6	− 6	3	−0.38
74176	15 09 22.34	+57 06 44.5	7.44 H		227.343 095 50	+57.112 372 75		9.61	18.66	−96.46	0.53	0.49	0.60	0.53	0.53	+ 7	−16	−11	−27	−13	+ 5	− 7	− 6	− 7	−18	0	−1.91
74177	15 09 23.25	−57 04 01.6	8.00 G		227.346 879 47	−57.067 120 67		8.57	−27.07	−28.15	0.79	0.66	1.05	0.93	0.90	+22	−27	−21	+28	+34	+ 0	+31	+ 1	+17	+20	0	0.72
74178	15 09 23.69	+36 25 04.0	10.82 H		227.348 723 42	+36.417 781 31		11.42	−217.52	57.17	1.09	1.22	1.63	1.19	1.32	+29	− 9	− 8	−16	−14	−10	−14	− 7	+ 2	+16	0	0.50
74179	15 09 24.55	−72 03 45.2	9.72 H		227.352 287 37	−72.062 545 44		−0.89	− 5.45	− 0.76	0.99	1.19	1.56	1.37	1.68	+24	−24	+ 8	+17	+15	−17	+23	− 1	+11	+52	0	2.66
74180	15 09 24.93	+10 31 49.8	10.66 H		227.353 858 57	+10.530 504 08		0.58	−29.84	14.78	2.27	2.05	2.41	2.32	2.38	+16	−33	−32	+46	+ 3	+ 7	+ 5	+49	+ 4	− 5	0	−0.14
74181	15 09 25.54	−63 38 34.4	6.25 H		227.356 397 55	−63.642 881 15		5.87	−10.77	−20.19	0.37	0.41	0.66	0.45	0.52	+25	−14	− 8	+36	+16	− 7	+15	+34	+ 7	+27	1	0.02
74182	15 09 28.02	+03 51 57.1	7.07 H		227.366 737 51	+03.865 858 51		10.83	32.39	−20.73	0.94	0.70	0.98	1.37	0.86	+16	−22	−15	− 2	−14	−16	−11	+ 8	−17	+33	0	−0.52
74183	15 09 29.48	+24 40 33.4	7.41 G		227.372 829 94	+24.675 950 19		17.84	20.00	31.69	0.59	0.56	0.83	0.80	0.81	−13	− 7	−20	+ 6	+23	−32	+ 7	−29	+16	−48	1	1.39
74184	15 09 29.92	−67 05 02.9	5.76 G		227.374 664 11	−67.084 126 83		0.54	− 3.94	− 2.59	0.33	0.43	0.68	0.36	0.51	+32	− 5	+ 2	−25	− 1	−32	− 2	+ 1	−26	+46	1	−1.64
74185 H	15 09 31.10	−37 33 33.8	9.94 H		227.379 592 49	−37.559 391 61	A	0.71	− 6.86	−48.37	4.51	3.80	4.31	4.20	4.20	−44	−21	+12	+ 5	+ 4	−29	+11	− 3	− 8	−20	0	1.82
74186	15 09 32.22	+07 46 30.9	9.92 H		227.384 232 15	+07.775 256 98		2.61	−14.58	−17.83	1.74	1.63	2.06	2.12	1.98	−23	−31	+ 7	+28	− 8	−42	− 6	+25	+ 5	−25	0	1.23
74187	15 09 34.48	−83 54 34.2	7.83 H		227.393 655 01	−83.909 501 78		3.58	−20.56	− 9.02	0.50	0.54	0.63	0.54	0.64	+ 7	−12	− 4	− 7	+ 2	−11	+ 1	+10	+ 7	+ 8	0	−0.11
74188	15 09 34.72	−05 23 41.3	7.12 H		227.394 656 98	−05.394 792 85		12.17	−169.40	−65.10	0.91	0.65	1.00	1.06	0.77	−35	−15	−16	+25	−30	+11	−23	+ 9	−19	−31	0	0.95
74189	15 09 35.68	+16 20 17.3	10.68 H		227.398 666 62	+16.338 133 06		7.61	−50.34	66.66	1.42	1.42	2.03	1.77	1.87	−17	− 9	−31	−13	−11	+19	− 8	−13	− 1	−48	0	0.47
74190	15 09 35.94	+03 09 56.3	11.46 G		227.399 765 94	+03.165 649 90		68.99	−601.06	482.52	2.64	1.81	2.63	3.16	2.05	−22	− 6	−11	+37	+ 5	+ 0	+ 8	+34	+ 9	−16	2	−0.33
74191	15 09 36.16	−07 52 16.0	8.62 H		227.400 667 33	−07.871 122 47		4.01	− 5.77	−13.12	1.04	0.71	1.16	1.31	0.79	−34	− 5	−24	+37	−27	+30	−14	+ 2	− 4	−20	0	−0.18
74192	15 09 36.59	−68 43 16.8	6.84 H		227.402 454 91	−68.721 346 37		6.48	−28.55	−31.02	0.37	0.50	0.67	0.46	0.62	+14	−11	+ 2	−12	+12	+12	+14	+12	− 6	+ 0	1	1.47
74193	15 09 38.15	+52 26 36.4	9.34 H		227.408 938 17	+52.443 434 85		−0.10	−46.25	33.62	2.80	2.69	3.27	2.93	2.65	+14	−17	−19	−16	− 7	+19	−11	−35	+ 8	−16	2	
74194	15 09 38.22	−11 34 31.7	9.00 H		227.409 269 62	−11.575 481 93		4.78	−20.50	− 7.72	1.19	0.96	1.57	1.41	1.30	−31	−18	−39	+17	+12	− 5	+ 2	−29	+31	−50	0	−1.68
74195	15 09 40.14	−61 29 13.5	7.98 H		227.417 234 01	−61.487 077 37		1.03	− 3.63	− 2.05	0.86	0.72	1.14	0.93	0.93	+25	−49	−27	+ 7	+16	− 8	+18	+13	− 9	+19	2	0.29
74196	15 09 41.08	−35 51 57.1	7.00 H		227.421 163 77	−35.865 861 30		6.40	−17.90	8.66	0.80	0.67	0.95	0.89	0.77	−14	−32	− 9	+13	+ 2	− 8	+ 3	+ 6	− 4	+ 1	0	−0.63
74197	15 09 41.51	+51 40 55.0	8.61 H		227.422 979 00	+51.681 939 54		4.81	1.70	11.97	0.64	0.62	0.75	0.68	0.66	+13	−19	− 8	− 4	+ 4

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data										Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
74101	8.408	0.009	8.409	0.011		0.000	0.012	T	0.02	0.01	L	8.4266	0.0014	0.017	110		8.39	8.46		C			1							
74102	9.468	0.022	8.982	0.021		0.469	0.023	T	0.54	0.02	L	9.0521	0.0018	0.012	57		9.03	9.09		C			1							
74103	9.821	0.025	9.285	0.025		0.503	0.032	T	0.58	0.03	L	9.3275	0.0023	0.017	95		9.30	9.38					1 G							
74104	8.373	0.010	8.158	0.012		0.154	0.007	G	0.17	0.01	H	8.1906	0.0015	0.014	95		8.17	8.22		C			1							S
74105	8.468	0.016	7.949	0.014		0.505	0.015	G	0.58	0.02	H	7.9981	0.0010	0.009	54		7.99	8.02		D			1							S
74106	9.253	0.017	8.546	0.015	*	0.651	0.019	T	0.71	0.02	L *	8.5476	0.0011	0.010	81	*	8.53	8.57		D	15087−0059	I 1	2 C A	AB	284	0.803	0.006	0.29	0.01	S
74107	8.355	0.012	7.163	0.007		1.021	0.011	T	0.99	0.01	L	7.2090	0.0011	0.011	116		7.19	7.23					1							S
74108	10.389	0.025	8.904	0.013		1.250	0.022	T	1.21	0.02	L	8.9346	0.0019	0.015	123		8.90	8.96		C			1							
74109	7.503	0.005	7.265	0.006		0.222	0.008	T	0.24	0.01	L	7.3104	0.0012	0.013	150		7.29	7.33					1							S
74110	6.717	0.005	6.809	0.006		−0.079	0.007	T	−0.06	0.01	L	6.8011	0.0024	0.022	90		6.77	6.83		U 2			1							S
74111	9.527	0.018	8.122	0.010		1.187	0.016	T	1.15	0.01	L	8.1581	0.0018	0.013	78		8.13	8.19					1							
74112	9.019	0.013	8.657	0.014		0.343	0.018	T	0.40	0.02	L	8.7244	0.0031	0.025	103		8.68	8.75	0.91	P 1 A			1							
74113	8.637	0.013	8.619	0.016		0.018	0.015	G	0.04	0.01	H	8.6352	0.0023	0.017	89		8.61	8.66		C			1							
74114	9.593	0.027	9.211	0.028		0.373	0.033	T	0.44	0.04	L	9.2000	0.0025	0.013	51		9.18	9.22		C			1 S							
74115	7.177	0.004	7.064	0.005		0.102	0.006	T	0.12	0.01	L	7.0881	0.0008	0.012	165		7.07	7.11					1 S							S
74116	8.857	0.019	8.332	0.017	−	0.500	0.495	G	0.56	0.05	L *	8.3185	0.0013	0.012	61	−	8.29	8.33		D	15088−0610	I 1	3 C C							S G
74117	3.846	0.002	4.028	0.002	*	−0.162	0.002	G	−0.18	0.02	A *	4.0022	0.0006	0.005	91	*	4.00	4.01		D	15088−4517	I 1	2 C S A	AB	210	0.193	0.002	0.80	0.05	S
74118	9.350	0.017	8.363	0.013		0.852	0.017	T	0.90	0.02	L	8.4241	0.0028	0.022	97		8.38	8.47					1							S
74119	10.157	0.038	8.139	0.015		1.709	0.034	T	2.36	0.07	O	7.9606	0.0033	0.031	57		7.91	8.03		U 2			1 S							S
74120	10.183	0.023	9.216	0.016		0.850	0.021	T	0.86	0.01	L	9.2599	0.0020	0.023	132		9.22	9.29					1							
74121	7.385	0.005	6.257	0.003		0.967	0.002	G	0.95	0.00	H	6.3027	0.0008	0.006	130		6.29	6.32		C			1							S
74122	8.490	0.013	7.010	0.007		1.246	0.012	T	1.20	0.01	L	7.0285	0.0014	0.010	90		7.01	7.05					1							S
74123	11.181	0.079	10.533	0.075		0.701	0.006	G	0.75	0.01	H	10.6110	0.0051	0.032	69		10.55	10.66		C			1 S							G
74124	9.779	0.020	8.272	0.011		1.267	0.018	T	1.23	0.02	L	8.3009	0.0016	0.012	102		8.28	8.32		C			1							
74125	9.496	0.029	8.939	0.026	*	0.521	0.035	T	0.59	0.04	L *	8.9146	0.0021	0.013	62	*	8.89	8.93		D	15089−0635	I 1	2 C A	AB	45	0.642	0.003	0.42	0.01	S
74126	9.724	0.029	8.929	0.022		0.662	0.015	G	0.72	0.01	H	8.9792	0.0017	0.014	67		8.95	9.00		C			1							
74127	7.995	0.010	7.610	0.013		0.364	0.015	T	0.43	0.02	L	7.6517	0.0017	0.013	64		7.64	7.76		U 2 C			1							S
74128	9.237	0.019	8.793	0.019		0.433	0.021	T	0.50	0.02	L	8.8305	0.0022	0.017	81		8.81	8.86					1							
74129	7.970	0.011	7.583	0.011	A	0.500	0.495	G	0.35	0.04	L *	7.5854	0.0015	0.011	75	*	7.56	7.60		C	15090+0141	I 1	2 C A	AB	38	3.474	0.020	3.30	0.08	S
74130	8.713	0.008	7.281	0.005		1.208	0.007	T	1.17	0.01	L	7.3224	0.0009	0.010	200		7.30	7.34		C			1							S
74131	9.182	0.020	7.127	0.009		1.724	0.005	G	2.16	0.05	F	6.9815	0.0037	0.023	56		6.95	7.02		U 2			1							S
74132	8.597	0.014	8.276	0.015		0.305	0.019	T	0.35	0.03	L	8.3212	0.0035	0.017	71		8.29	8.35					1							S
74133	10.353	0.028	8.747	0.014		1.340	0.015	G	1.34	0.09	H	8.7497	0.0018	0.015	115		8.72	8.78		C			1							
74134	9.553	0.020	8.053	0.011		1.262	0.018	T	1.22	0.02	L	8.1050	0.0013	0.013	96		8.09	8.13					1							S
74135	9.876	0.018	8.958	0.014		0.799	0.018	T	0.83	0.01	L	9.0129	0.0018	0.022	159		8.98	9.05		C			1							
74136	8.956	0.019	8.381	0.017		0.540	0.019	T	0.61	0.02	L	8.4701	0.0014	0.015	59		8.44	8.49		D			1							S
74137	10.264	0.026	8.503	0.012		1.468	0.023	T	1.48	0.03	L	8.4653	0.0014	0.013	114		8.44	8.49		C			1							S
74138	9.652	0.017	8.155	0.009		1.260	0.015	T	1.22	0.02	L	8.1679	0.0017	0.013	115		8.15	8.19					1							
74139	8.891	0.016	7.456	0.010		1.211	0.015	T	1.17	0.01	L	7.4930	0.0011	0.008	59		7.48	7.51		C			1							S
74140	10.318	0.026	9.095	0.016		1.045	0.024	T	1.02	0.02	L	9.1443	0.0022	0.024	123		9.11	9.18					1							
74141	6.632	0.004	6.728	0.004		−0.059	0.009	G	−0.04	0.01	H	6.7182	0.0009	0.010	152		6.70	6.73					1							S
74142	9.504	0.029	9.054	0.028	A	0.438	0.032	T	0.51	0.03	L	9.1067	0.0334	0.035	52	A	9.02	9.15		D	15090−2144	I 2	1 C P D							D
74143											T	11.3735	0.2183			B				D	15090−2144	I 2	1 C I D							D
74144	7.543	0.007	7.266	0.008		0.253	0.006	G	0.28	0.01	H	7.3104	0.0016	0.012	95		7.29	7.33					1							S
74145	7.911	0.010	7.502	0.011		0.353	0.004	G	0.41	0.00	H	7.5673	0.0011	0.011	75		7.55	7.59		C			1							S
74146	10.533	0.026	9.355	0.016		1.010	0.024	T	0.99	0.02	L	9.4365	0.0021	0.023	170		9.40	9.47		C			1							
74147	6.934	0.006	6.979	0.008		−0.009	0.011	G	0.01	0.01	H	6.9786	0.0046	0.037	113		6.90	7.03		U 2			1							S
74148	10.767	0.036	9.455	0.019		1.070	0.015	G	1.13	0.02	I	9.4592	0.0024	0.021	133		9.41	9.50					1							
74149	8.035	0.010	7.693	0.012		0.310	0.015	G	0.36	0.02	H	7.7427	0.0010	0.007	56		7.73	7.76					1							S
74150	10.479	0.052	9.944	0.050		0.498	0.015	G	0.57	0.02	H	10.0256	0.0041	0.026	50		9.95	10.08					1							
74151	9.643	0.018	8.318	0.011		1.125	0.017	T	1.09	0.02	L	8.3729	0.0018	0.016	118		8.35	8.40					1							
74152	10.507	0.038	8.549	0.014		1.659	0.033	T	2.45	0.06	O	8.3464	0.0037	0.025	89		8.30	8.40		U 2			1							
74153	10.534	0.034	10.016	0.032		0.486	0.042	T	0.56	0.04	L	10.1445	0.0026	0.029	127		10.10	10.19		C			1							
74154	8.945	0.015	8.634	0.016		0.295	0.021	T	0.34	0.03	L	8.6744	0.0019	0.015	63		8.65	8.70		C			1							
74155	7.487	0.007	7.148	0.007		0.334	0.015	G	0.39	0.02	H	7.2048	0.0014	0.016	124		7.18	7.23		U 2			1							S
74156	9.190	0.012	8.742	0.012		0.423	0.016	T	0.49	0.02	L	8.8052	0.0018	0.022	163		8.77	8.84					1							S
74157	9.066	0.015	8.073	0.011	*	0.869	0.014	T	0.88	0.01	L *	8.1258	0.0019	0.014	93	*	8.11	8.15		D	15091−5052	I 1	2 C A	AB	26	0.615	0.010	2.37	0.04	
74158	9.592	0.013	8.436	0.009		0.993	0.012	T	0.97	0.01	L	8.4663	0.0021	0.019	210		8.44	8.51		U	15092+3304	I 1	1							
74159	10.502	0.032	9.784	0.028		0.632	0.015	G	0.70	0.01	H	9.8934	0.0029	0.028	104		9.85	9.94		C			1							
74160	10.797	0.041	9.166	0.018		1.365	0.035	T	1.33	0.04	L	9.2376	0.0019	0.016	116		9.21	9.27					1							
74161						1.417	0.020	G	1.71	0.05	I	11.7988	0.0065	0.059	126		11.67	11.90					1							G
74162	11.218	0.042	9.582	0.017		1.369	0.036	T	1.34	0.04	L	9.6175	0.0025	0.028	167		9.57	9.65					1 S							
74163	9.861	0.021	8.439	0.012		1.201	0.019	T	1.16	0.02	L	8.4454	0.0016	0.022	231		8.41	8.48		U			1 X S							
74164						1.249	0.007	G	1.41	0.01	I	11.2497	0.0088	0.060	73		11.12	11.32					1 G							G
74165						0.885	0.195	G	0.93	0.19	R	11.5010	0.0055	0.059	113		11.39	11.59		D			1 X S							G
74166	10.522	0.043	8.491	0.014		1.720	0.037	T	2.51	0.06	O	8.2781	0.0065	0.039	64		8.23	8.35		U 2			1							
74167	9.469	0.015	9.030	0.015		0.414	0.020	T	0.48	0.02	L	9.1248	0.0021	0.021	132		9.09	9.16		C			1							S
74168											T	11.7618	0.0086	0.066	51		11.67	11.89					1							G
74169	9.442	0.018	8.156	0.011		1.094	0.016	T	1.06	0.02	L	8.1841	0.0018	0.015	113		8.16	8.21					1							
74170	10.664	0.051	10.316	0.063		0.450	0.020	G	0.52	0.02	H	10.3089	0.0024	0.021	77		10.27	10.35		C			1							
74171	8.653	0.011	8.597	0.013		0.056	0.016	T	0.07	0.01	L	8.6161	0.0020	0.017	114		8.59	8.64		C			1							
74172	9.041	0.016	8.452	0.014		0.551	0.016	T	0.62	0.01	L	8.4960	0.0012	0.013	80		8.48	8.52		C			1							S
74173	9.104	0.013	8.885	0.014		0.209	0.018	T	0.23	0.02	L	8.9143	0.0017	0.019	131		8.89	8.95		C			1							S
74174						1.174	0.006	G	1.29	0.01	I	11.5550	0.0043	0.044	81		11.47	11.62					1							G
74175	9.546	0.024	8.446	0.017		0.950	0.023	T	0.94	0.02	L	8.5165	0.0016	0.010	61		8.50	8.54					1							S
74176	8.088	0.009	7.504	0.008		0.545	0.011	T	0.62	0.01	L	7.5612	0.0008	0.008	103		7.55	7.58		C			1							S
74177	9.480	0.018	8.128	0.011		1.168	0.020	G	1.18	0.02	A	8.1615	0.0016	0.015	110		8.13	8.20		C			1							
74178	11.828	0.097	10.803	0.060		0.882	0.089	T	0.93	0.09	L	10.9656	0.0045	0.046	170		10.88	11.05					1							G
74179	11.436	0.069	9.946	0.029		1.250	0.016	G	1.45	0.05	A	9.8799	0.0303	0.285	146		9.71	10.47		R 2 B			1 S							G
74180	11.175	0.104	11.138	0.176		0.560	0.072	G	0.63	0.07	R	10.7856	0.0043	0.028	39		10.73	10.84					1							G
74181	6.323	0.002	6.258	0.003		0.059	0.003	T	0.07	0.00	L	6.2734	0.0005	0.007	231		6.26	6.28		C			1							S
74182	7.461	0.010	7.098	0.010		0.344	0.013	T	0.40	0.02	L	7.1546	0.0021	0.013	50		7.13	7.18					1							S
74183	7.963	0.008	7.475	0.007		0.471	0.008	T	0.54	0.01	L	7.5135	0.0012	0.012	134		7.49	7.54					1							S
74184	6.589	0.003	5.839	0.002		0.675	0.017	G	0.75	0.03	C	5.8931	0.0004	0.007	237		5.88	5.91					1							S
74185	11.014	0.060	10.171	0.045	A						T *	10.0922	0.0034	0.022	88	*	10.04	10.16		D	15095−3734	I 1	2 C A	AB	318	1.767	0.010	0.47	0.03	G
74186	11.259	0.104	10.053	0.056		1.032	0.092	T	1.00	0.08	L	10.0870	0.0067	0.039	41		10.01	10.13					1							
74187	8.268	0.009	7.857	0.008		0.389	0.011	T	0.45	0.01	L	7.9159	0.0013	0.014	144		7.89	7.95					1							S
74188	8.483	0.014	7.244	0.009		1.057	0.013	T	1.02	0.01	L	7.2847	0.0016	0.010	65		7.25	7.30		C			1							S
74189	11.257	0.068	10.612	0.062		0.592	0.068	T	0.66	0.06	L	10.8057	0.0038	0.038	92		10.74	10.87		C			1							G
74190						1.511	0.000	G	2.16	0.00	I	11.4930	0.0073	0.052	61		11.40	11.57					1							G
74191	9.927	0.031	8.732	0.019		1.023	0.028	T	1.00	0.02	L	8.7924	0.0019	0.012	60		8.76	8.81					1							
74192	6.810	0.003	6.836	0.004		−0.019	0.005	T	0.00	0.01	L	6.8438	0.0008	0.010	206		6.83	6.86			15096−6843	I 1	1 G							S
74193	10.018	0.025	9.382	0.023		0.591	0.029	T	0.66	0.03	L	9.4683	0.0027	0.025	96		9.43	9.51					1 X							
74194	9.475	0.024	9.077	0.026		0.463	0.020	G	0.53	0.02	H	9.1063	0.0024	0.016	64		9.08	9.13		C			1							
74195	10.470	0.039	8.222	0.012		1.855	0.033	T	1.89	0.03	L	8.0668	0.0023	0.016	87		8.04	8.10					1							
74196	8.512	0.011	7.124	0.007		1.174	0.010	T	1.14	0.01	L	7.1644	0.0012	0.011	65		7.15	7.18		C			1							S
74197	8.862	0.011	8.628	0.013		0.223	0.016	T	0.25	0.02	L	8.6765	0.0017	0.013	108		8.65	8.70					1							S
74198	9.108	0.015	7.842	0.009		1.079	0.014	T	1.04	0.01	L	7.9148	0.0015	0.013	97		7.89	7.94		C			1							S
74199						0.660	0.000	G	0.72	0.00	H	12.2002	0.0096	0.071	51		12.00	12.31					1							G
74200	9.167	0.017	8.680	0.017		0.466	0.015	G	0.54	0.02	H	8.7718	0.0015	0.012	61		8.75	8.79		C			1							

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg		Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%) δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	Soln F1 %	F2
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
74201	15 09 46.78	−60 44 26.5	8.15	H	227.444 922 20	−60.740 697 12		0.99	0.63	−1.59	0.88	0.72	1.18	0.95	0.90	+18	−35	−20	− 4	+13	−29	+12	− 6	−12	+24	0	−0.50
74202	15 09 47.49	+03 42 30.3	7.87	H	227.447 884 38	+03.708 417 34		4.67	−15.76	22.31	1.03	0.72	1.09	1.24	0.88	−13	−13	+	4	+21	+ 0	− 2	+ 5	−20	− 9	− 3	0	1.68
74203	15 09 48.75	−20 31 13.3	7.22	H	227.453 144 68	−20.520 348 58		11.55	−5.88	−51.95	0.96	0.97	1.16	1.28	1.14	−38	− 2	−35	− 6	+12	+ 1	+ 2	−26	+23	−43	2	1.14
74204	15 09 48.91	−59 16 13.6	9.90	H	227.453 807 75	−59.270 438 34		2.42	27.04	−7.64	1.48	1.25	1.63	2.33	1.96	+45	− 4	+11	+54	+42	+ 3	+48	+32	+ 8	+68	0	−0.67
74205	15 09 50.83	+52 24 39.3	8.35	H	227.461 773 16	+52.410 916 43		0.81	4.89	−35.45	0.71	0.68	0.84	0.79	0.71	+16	−22	−19	− 5	−15	+19	−12	−14	− 6	− 8	1	2.12
74206	15 09 51.31	−23 59 09.3	6.55	H	227.463 807 66	−23.985 907 34		4.48	−22.63	−26.50	1.04	0.68	1.01	1.58	0.96	+19	−19	−36	−18	−18	+ 2	−22	+ 8	−15	+45	0	1.29
74207	15 09 51.83	−29 50 13.8	9.33	H	227.465 957 77	−29.837 171 46		12.28	20.46	21.23	1.42	0.88	1.53	1.58	1.18	+15	−36	−32	− 1	−15	+ 3	−23	+ 5	+18	+11	0	−0.31
74208	15 09 52.12	−44 39 10.6	8.40	H	227.467 183 85	−44.652 942 28		3.48	−17.78	−4.40	0.82	0.73	1.14	0.95	1.06	−26	−14	−25	+ 9	+ 5	−19	+ 3	+11	+ 2	−39	0	1.14
74209	15 09 52.92	−15 42 23.2	8.57	H	227.470 504 18	−15.706 454 17		5.47	−46.06	−14.09	0.99	0.64	1.15	1.13	0.76	−15	−25	−21	+ 8	− 8	+23	+ 2	− 7	+ 0	+ 6	0	0.56
74210	15 09 53.47	−12 58 34.3	8.21	H	227.472 802 69	−12.976 188 34		12.47	2.22	21.94	0.94	0.71	1.23	1.32	1.30	−28	− 3	−37	+20	+ 2	−15	− 9	−22	+45	−46	0	0.83
74211 H	15 09 54.21	+38 58 32.8	8.18	H	227.475 871 22	+38.975 782 53	A	15.95	−77.92	16.80	0.96	0.99	1.23	1.13	1.19	+22	−26	−22	+13	+ 9	−16	+ 1	− 8	+18	+ 1	2	−0.15
74212	15 09 55.73	+17 43 05.4	9.49	H	227.482 212 88	+17.718 156 79		8.82	−1.81	−15.05	1.17	0.88	1.56	1.56	1.35	+ 3	−34	−11	− 7	−18	+ 3	−26	−13	+21	−26	0	−0.28
74213	15 09 56.09	−06 43 03.7	8.23	G	227.483 699 37	−06.717 702 62		8.10	−45.74	−15.60	0.96	0.67	1.17	1.15	0.77	−23	−26	−32	+30	−22	+28	−14	+ 0	+ 4	−30	0	0.58
74214	15 09 56.98	+20 25 25.8	9.84	2 H	227.487 407 16	+20.423 846 04		0.42	−29.01	11.67	0.86	0.80	1.51	1.09	1.22	− 8	− 8	+19	+27	+13	+ 1	+ 2	−27	+ 0	−31	0	−0.07
74215	15 09 58.05	−50 50 17.7	8.41	H	227.491 894 03	−50.838 239 63		0.35	−7.88	−6.00	0.76	0.79	1.15	0.89	1.10	−11	−31	−36	+18	− 1	−18	− 8	+17	+16	−48	0	0.62
74216	15 09 58.35	−00 52 47.3	7.77	G	227.493 107 37	−00.879 795 11		7.94	−51.07	−5.77	0.99	0.64	1.04	1.03	0.80	−39	−30	+ 6	+33	−13	+ 6	− 8	−10	− 8	−32	0	2.61
74217	15 09 58.87	−49 14 45.3	8.68	H	227.495 296 07	−49.245 909 12		14.17	−69.24	36.61	0.85	0.74	1.07	0.83	0.90	−19	−32	− 7	+ 1	+ 6	− 9	+ 5	+ 9	+ 1	−19	0	−1.12
74218	15 09 58.90	+13 27 12.7	10.48	H	227.495 407 86	+13.453 524 28		14.90	−257.47	−9.28	1.40	0.97	1.96	1.78	1.51	− 4	−35	− 6	−35	−25	+45	−31	−11	+ 5	−15	0	−0.37
74219 H	15 10 00.26	−22 43 14.5	7.96	H	227.501 083 47	−22.720 688 74	A	7.09	−55.80	−41.50	1.64	1.24	1.72	1.99	1.76	+ 3	−14	−27	+16	+ 9	−13	+ 2	− 1	+25	−20	1	−0.14
74220	15 10 00.62	−41 10 45.8	7.50	H	227.502 591 04	−41.179 381 41		2.42	−14.53	−9.45	0.83	0.61	1.05	1.00	0.82	−29	+16	−20	−40	+ 8	−41	−13	+ 0	−10	+ 4	0	−0.22
74221	15 10 02.98	+12 20 38.7	9.37	H	227.512 433 12	+12.344 078 11		6.28	38.83	−0.51	0.93	0.79	1.34	1.11	1.29	−21	−23	−12	− 2	−33	+30	−35	+16	− 1	−53	0	0.28
74222	15 10 06.01	+21 51 03.5	8.89	H	227.525 060 40	+21.850 970 69		3.52	−13.89	8.83	0.72	0.62	1.07	0.83	0.90	−13	−26	+ 7	+18	− 6	− 6	− 8	+ 2	− 6	−35	3	−0.51
74223	15 10 06.82	+66 42 31.6	9.36	H	227.528 401 08	+66.708 773 20		11.85	33.13	21.39	0.80	0.85	0.89	0.85	1.04	+ 4	+ 0	− 7	−11	−17	−13	−19	− 4	+15	−15	0	−0.37
74224	15 10 07.34	−38 47 32.9	5.98	H	227.530 596 80	−38.792 460 57		6.98	−24.53	−20.85	0.71	0.48	0.82	0.80	0.71	−41	−26	+ 8	+14	+ 4	+14	+ 8	+ 9	+ 4	−14	2	0.97
74225	15 10 07.60	+37 41 27.2	8.86	H	227.531 650 76	+37.690 902 41		4.38	25.05	−39.63	0.68	0.72	0.95	0.78	0.90	+25	−10	−19	+ 9	+ 1	− 1	+ 0	+ 9	+ 8	+20	0	0.46
74226	15 10 08.32	+34 45 13.4	8.91	H	227.534 683 35	+34.753 726 62		5.03	40.39	−32.90	0.71	0.79	1.17	0.86	0.91	+15	− 7	− 9	+ 9	+ 4	− 9	+ 5	+20	+ 6	+ 0	1	0.97
74227	15 10 09.19	−75 27 42.3	6.92	H	227.538 307 02	−75.461 758 34		5.33	−24.14	−16.94	0.47	0.54	0.65	0.56	0.61	+11	− 6	+ 8	− 6	+14	− 6	+11	+31	− 2	+21	1	−0.34
74228	15 10 09.85	−36 33 27.3	8.65	G	227.541 051 08	−36.557 583 78		7.21	−56.51	−36.90	1.06	0.85	1.28	1.01	0.92	+ 3	−39	−28	+ 9	+10	−13	+ 3	− 5	+11	− 8	0	0.29
74229	15 10 09.94	−23 42 10.9	10.14	H	227.541 428 45	−23.703 018 96		17.54	44.50	−53.78	5.13	3.68	5.40	7.66	4.95	+ 8	−12	−30	+ 4	− 4	+ 9	+ 0	+ 3	− 2	+29	6	
74230	15 10 10.79	−41 00 16.3	8.66	H	227.544 939 35	−41.004 516 86		5.14	−29.36	−20.21	0.99	0.74	1.25	1.09	1.03	−25	+ 4	−24	−28	+ 3	−27	−13	+ 3	− 7	− 4	0	0.46
74231	15 10 11.07	+40 45 21.2	10.35	H	227.546 137 03	+40.755 897 59		−0.44	4.49	−7.14	1.05	1.14	1.43	1.19	1.31	+ 4	+17	+ 0	+14	−15	+ 7	−17	+ 3	− 9	−12	1	2.45
74232	15 10 11.41	−18 03 25.4	8.02	H	227.547 547 63	−18.057 044 91		3.57	−14.02	−17.69	0.98	0.68	1.18	1.13	0.94	−38	−14	−22	+14	− 7	+ 7	− 5	−13	+25	−25	0	−0.76
74233	15 10 12.26	+44 52 10.7	9.07	H	227.551 080 40	+44.869 630 04		3.97	−14.73	−8.32	0.79	0.78	0.99	0.97	0.95	+18	−12	−12	+ 8	− 6	+24	− 2	+ 8	+ 8	+19	0	2.36
74234	15 10 13.58	−16 27 15.5	9.44	G	227.556 571 02	−16.454 311 47		33.68	−1001.47	−3542.66	1.37	0.99	1.67	1.47	1.13	−40	−22	−11	+17	−13	+37	+ 1	+ 7	−21	−29	0	−0.38
74235	15 10 13.69	−16 22 14.9	9.07	G	227.557 060 17	−16.370 793 53		34.14	−998.86	−3542.91	1.15	0.84	1.36	1.22	0.97	−40	−24	−11	+14	−10	+28	+ 1	+ 2	−15	−28	0	0.39
74236	15 10 14.84	+32 07 47.1	8.72	H	227.561 833 62	+32.129 753 11		1.42	0.13	−1.01	0.53	0.71	1.07	0.57	0.79	+30	−11	−11	− 3	+ 5	+ 1	+ 7	+ 6	− 7	+14	1	0.06
74237	15 10 15.03	+42 46 56.1	10.86	H	227.562 642 84	+42.782 241 86		8.66	−265.33	83.02	1.15	1.27	1.53	1.31	1.58	+17	+ 2	− 7	− 8	− 5	+ 0	− 5	−11	+ 9	+13	0	1.68
74238	15 10 15.21	−44 02 16.3	8.81	H	227.563 384 51	−44.037 871 20		0.89	10.67	0.25	0.86	0.86	1.29	1.06	1.20	−30	− 8	−37	+16	+ 6	− 2	+ 9	+13	+ 3	−32	0	1.86
74239	15 10 18.65	−26 19 57.4	5.75	H	227.577 716 21	−26.332 600 80		7.25	−32.15	−8.39	0.75	0.66	1.00	0.95	0.75	−14	−11	−50	+13	−27	+25	−16	+26	−16	−17	0	0.50
74240	15 10 18.92	−79 36 46.1	7.38	H	227.578 843 84	−79.612 795 70		13.58	10.60	−2.98	0.50	0.54	0.65	0.49	0.62	+22	−26	−10	− 8	+ 5	−12	− 7	+16	+24		1	0.85
74241	15 10 19.74	+25 44 59.1	8.78	H	227.582 239 09	+25.749 756 29		2.17	34.54	1.59	1.09	0.86	1.37	1.39	1.10	+ 8	− 8	−35	+21	+19	+12	+16	−28	+23	− 8	2	3.13
74242	15 10 19.81	−48 59 45.2	7.98	H	227.582 523 30	−48.995 875 63		3.24	15.83	5.75	0.73	0.65	0.92	0.77	0.79	−12	−28	−11	+20	+ 7	+ 4	+11	+21	− 9	−10	0	0.69
74243	15 10 20.44	−49 53 58.4	9.41	G	227.585 165 69	−49.899 553 24		26.92	−175.11	−104.73	1.08	0.99	1.47	1.30	1.25	−13	−25	−17	+15	+15	− 3	+11	+11	+14	− 1	2	0.16
*74244	15 10 21.33	−41 29 39.1	8.86	H	227.588 880 59	−41.494 182 63		0.11	−14.97	−11.41	1.09	0.87	1.48	1.80	1.28	−41	+21	−23	− 5	+23	−27	+16	+ 2	+ 3	+19	0	0.84
*74245 H	15 10 20.82	−28 27 57.8	9.54	2 G	227.586 757 73	−28.466 069 08	A	7.96	−51.90	−148.16	3.37	2.83	3.98	4.32	3.24	+ 7	−29	−38	−12	−21	+43	+ 1	+13	−18	+ 4	7	0.63
74246	15 10 21.71	−09 53 10.2	10.19	G	227.590 457 89	−09.886 175 88		8.45	−6.75	−18.15	1.73	1.15	2.01	2.23	1.43	−23	−36	−20	+27	−19	−15	−24	− 8	+24	−21	0	−0.54
74247	15 10 22.75	+27 25 25.4	8.32	H	227.594 790 48	+27.423 728 92		3.61	−13.42	22.45	0.83	0.66	0.99	1.00	0.84	−11	−16	−21	+25	+12	−17	+ 5	+ 0	− 6	−36	0	−0.10
74248	15 10 24.33	−68 11 01.8	8.86	G	227.601 364 73	−68.183 828 88		2.69	−4.96	−4.08	0.62	0.83	1.10	0.75	1.06	+28	− 7	−17	+ 0	+15	− 2	+16	+35	−12	+27	0	1.55
74249	15 10 25.70	+25 26 41.3	8.48	G	227.607 102 41	+25.444 797 60		7.01	−45.08	25.40	0.89	0.75	1.15	1.14	0.96	− 8	−17	−28	+13	+33	−27	+16	−31	+ 4	−42	0	−0.36
74250	15 10 28.38	−57 07 57.7	7.71	H	227.618 268 49	−57.132 685 61		4.14	−36.65	−46.80	0.67	0.63	1.00	0.89	0.84	+22	−16	−33	+23	+33	−10	+26	− 5	+28	+15	0	−0.79
74251	15 10 30.28	+42 09 57.3	8.16	H	227.626 171 53	+42.165 912 81		2.82	−33.16	−12.51	0.57	0.63	0.75	0.65	0.73	+ 3	+ 3	− 3	+11	+ 2	− 5	+ 0	− 6	− 6	− 4	1	−0.75
74252	15 10 30.57	−47 36 42.9	8.36	2 H	227.627 356 94	−47.611 903 97		−0.10	−2.44	−1.13	0.71	0.68	0.97	0.72	0.81	−22	−17	− 2	+ 7	− 9	−18	− 6	+28	−14	−22	0	1.22
74253	15 10 31.51	+11 40 24.9	6.89	2 H	227.631 304 92	+11.673 576 88		1.88	3.31	20.11	0.65	0.55	0.84	0.66	0.80	−19	−37	− 2	+ 0	−36	+13	−36	+29	+14	−50	0	0.13
74254	15 10 31.81	−71 39 51.8	7.20	H	227.632 539 34	−71.664 389 59		1.91	−24.90	−41.40	0.48	0.55	0.75	0.49	0.64	+18	−30	− 1	+ 5	+ 8	−12	+13	+ 2	−15	+40	1	1.91
74255	15 10 32.30	−50 44 49.8	9.25	H	227.634 599 90	−50.747 174 56		27.97	−104.66	−129.08	1.03	0.98	1.41	1.23	1.41	− 8	−24	−28	+24	+ 4	−12	+ 1	+20	+12	−31	2	1.44
74256	15 10 32.55	+25 15 20.2	8.89	H	227.635 626 91	+25.255 618 08		1.90	−7.61	7.60	0.93	0.83	1.21	1.21	1.07	−15	−28	−14	+11	+36	−20	+23	−40	− 2	−41	0	−0.43
74257 H	15 10 32.56	+48 00 03.1	9.11	H	227.635 683 58	+48.000 874 01	*	4.38	−7.56	5.67	0.82	0.75	0.90	1.17	0.91	+16	− 3	−11	+17	− 9	− 8	− 7	+16	−12	+15	0	0.18
74258	15 10 34.29	−38 00 48.8	8.91	H	227.642 869 25	−38.013 548 86		12.91	−64.87	−61.29	1.02	0.72	1.20	1.20	1.02	−32	−32	+11	+ 4	+ 3	+11	+ 0	+10	+ 9	− 7	0	0.63
74259 H	15 10 35.14	+20 21 09.7	8.88	H	227.646 399 57	+20.352 688 77	*	14.55	−119.38	86.89	2.64	5.73	1.64	1.27	1.42	+13	−11	− 8	+26	+15	− 9	+13	−30	+15	−32	1	1.50
74260	15 10 35.22	+37 02 04.8	9.52	H	227.646 741 21	+37.034 667 78		4.11	−52.02	13.85	0.85	0.92	1.19	0.87	1.00	+30	− 3	− 8	− 6	−19	− 1	−19	+ 1	+12	+18	0	−1.24
74261	15 10 35.97	−42 58 34.6	10.63	G	227.649 861 31	−42.976 279 19		39.99	−324.71	−291.36	1.79	1.49	2.41	2.50	2.27	−37	+ 4	−22	+28	+ 9	−10	+13	+ 7	+21	−23	0	0.33
74262	15 10 36.12	−74 25 32.2	9.73	H	227.650 495 90	−74.425 599 60		4.21	16.75	3.23	0.94	0.92	1.25	1.15	1.12	+19	+ 5	+ 5	+ 2	+ 4	+ 2	+ 4	+17	+ 8	+23	0	−1.66
74263	15 10 36.96	−67 34 35.8	8.64	H	227.654 012 44	−67.576 612 07		6.76	−3.73	−5.99	0.61	0.87	1.34	0.76	1.14	+38	−18	−11	−16	+ 2	−10	+ 0	+ 6	−14	+51	2	2.03
74264	15 10 38.61	−50 09 06.2	8.78	H	227.660 876 80	−50.151 722 58		24.06	−75.53	−50.55	1.29	1.36	1.39	3.00	2.21	− 6	−33	−14	+19	+52	+ 9	+41	+17	+ 6	+53	2	2.22
74265	15 10 38.89	+33 04 44.0	6.91	H	227.662 043 43	+33.078 888 31		2.30	3.68	−1.42	0.42	0.52	0.77	0.47	0.61	+30	− 7	−12	− 6	−13	+11	−13	−14	+14	+28	0	−1.80
*74266	15 10 39.66	+22 38 56.5	8.60	H	227.665 250 83	+22.649 024 04		4.45	6.04	−10.13	0.79	0.69	1.13	1.00	1.06	−24	−18	+ 8	+13	+ 0	− 6	− 6	− 9	+ 5	−47	2	−0.67
*74267	15 10 41.34	−07 32 41.1	8.34	H	227.672 264 31	−07.544 745 87		11.00	−62.75	14.56	0.93	0.61	1.01	1.11	0.72	−21	−13	−25	+36	−14	+22	− 8	− 2	+ 3	−21	0	−0.09
*74268	15 10 41.60	−43 43 46.7	7.01	G	227.673 338 25	−43.729 630 72		32.96	12.26	−98.66	0.68	0.64	0.95	0.78	0.90	−34	− 4	−30	+ 8	+11	+ 4	+17	− 2	+12	−41	8	1.70
*74269	15 10 41.80	−35 03 07.5	9.03	H	227.674 152 30	−35.052 093 45		5.00	−48.50	−15.33	1.02	1.00	1.27	1.09	1.23	−22	−10	−32	+ 8	−10	− 7	−10	+27	−24	−31	0	0.41
*74270	15 10 39.38	+34 29 02.1	10.88	2 H	227.664 096 00	+34.483 916 84		0.83	2.26	−16.85	1.28	1.61	2.18	1.60	1.85	+10	+ 4	− 5	+12	+ 2	−17	− 1	− 5	+ 5	− 5	1	1.43
74271	15 10 43.21	−43 43 00.0	7.60	G	227.680 023 54	−43.716 660 52		32.26	12.35	−104.56	0.75	0.69	1.02	0.88	1.03	−34	−17	−24	+12	+ 7	− 3	+ 9	+ 5	+12	−43	0	2.26
74272	15 10 44.40	+67 46 51.8	6.18	H	227.684 983 50	+67.781 066 62		6.47	21.69	−13.02	0.45	0.48	0.51	0.44	0.57	+17	−20	−28	−21	− 2	−12	− 8	−20	+15	+ 1	0	−0.48
74273	15 10 44.97	−61 25 20.3	6.29	G	227.687 372 66	−61.422 292 70		41.41	−184.95	−11.27	0.60	0.54	0.77	0.62	0.64	+ 4	−44	−12	+ 4	+14	− 6	+11	+13	+ 2	+ 7	4	−1.90
74274	15 10 46.78	−46 04 00.7	8.64	H	227.694 914 13	−46.066 873 46		4.62	10.24	5.61	0.88	0.70	1.07	0.95	0.82	− 9	−21	− 3	+ 4	+12	−18	+11	+ 6	− 2	+ 4	0	1.15
74275 H	15 10 47.09	−66 52 29.1	8.80	H	227.696 209 47	−66.874 760 14	A	3.12	−10.47	2.83	1.24	1.34	1.67	0.96	1.32	+39	− 1	+ 1	−20	+ 0	−18	− 7	+ 5	−13	+53	1	0.18
74276	15 10 47.60	−38 44 25.0	8.06	H	227.698 313 03	−38.740 264 05		4.47	−9.66	−5.81	0.97	0.61	1.14	1.16	1.02	−46	−23	+10	+12	− 4	+12	− 2	+15	−10	−15	0	0.48
74277	15 10 48.15	+33 01 48.8	10.52	H	227.700 631 74	+33.030 208 66		1.77	−17.32	−14.16	0.96	1.25	1.93	1.14	1.48	+33	−20	−13	+ 8	−10	+14	−13	− 2	+23	+25	2	1.88
74278	15 10 48.44	+46 51 00.4	9.85	H	227.701 833 84	+46.850 104 57	B	8.53	−86.98	29.55	6.51	9.25	3.92	4.99	4.80	+ 3	+ 1	−20	+ 7	+ 4	+12	+ 5	+11	− 9	+ 1	11	2.98
74279	15 10 49.60	+55 25 20.6	8.65	H	227.706 656 18	+55.422 390 01		2.87	−32.24	21.57	0.62	0.68	0.76	0.63	0.71	− 1	− 7	−12	− 9	−16	+ 3	−15	− 3	− 1	−18	0	−2.52
74280	15 10 49.80	+63 52 26.2	8.34	2 H	227.707 482 07	+63.873 939 56		2.66	−1.11	−19.28	0.60	0.67	0.69	0.64	0.76	+19	− 9	−25	−23	−11	− 7	−12	−16	−15	+19	0	0.08
74281	15 10 50.16	+46 50 54.1	9.94	H	227.708 985 42	+46.848 371 53	A	7.39	−86.75	29.87	6.64	7.36	4.68	6.01	5.86	+ 3	+ 0	−17	+ 6	+ 2	+10	+ 2	+ 3	− 4	− 1	11	2.98
74282	15 10 50.58	+34 01 56.7	10.51	2 H	227.710 766 95	+34.032 418 36		1.58	−11.24	1.93	0.89	1.24	1.67	1.06	1.35	+15	− 7	−17	− 5	+ 6	−20	+ 2	−22	+ 3	+12	2	0.87
74283	15 10 51.96	+08 03 12.6	9.69	G	227.716 479 45	+08.053 501 07		3.58	−30.14	−18.55	1.66	1.45	1.75	2.04	1.79	− 6	−30	−15	+37	− 4	−24	− 3	+43	−19	+ 5	0	0.06
74284	15 10 52.61	+30 40 19.8	7.86	G	227.719 205 60	+30.672 157 25		7.18	−52.52	10.45	0.47	0.53	0.84	0.49	0.57	+18	+13	+ 7	+20	−12	− 2	−12	+26	− 2	+ 7	1	0.34
74285	15 10 53.43	−48 30 26.2	9.94	H	227.722 624 45	−48.507 273 21		7.75	−24.90	−73.10	1.38	1.20	1.67	1.83	1.67	− 8	−23	− 2	+35	+ 4	− 8	+ 3	+38	+ 4	− 9	0	−0.28
74286	15 10 53.50	+29 13 45.2	7.26	H	227.722 896 24	+29.229 219 62		16.92	8.66	−27.62	0.50	0.54	0.80	0.50	0.65	−20	−18	+ 7	−43	+13	+ 3	+27	+ 5	−15	−41	1	0.21
74287	15 10 59.25	+14 15 05.2	8.97	H	227.746 882 48	+14.251 448 01		3.46	−22.94	6.54	1.00	0.84	1.27	1.20	1.19	−29	−19	− 6	−34	+ 5	+14	+ 5	−20	+ 8	−49	0	−0.83
74288	15 11 00.42	+07 19 28.1	7.91	H	227.751 729 43	+07.324 480 21		5.07	−9.09	−4.75	1.14	1.07	1.29	1.16	1.27	−15	−50	−16	+32	−26	−22	−29	+48	+ 4	−31	0	0.98
74289	15 11 00.70	−73 52 09.9	8.66	H	227.752 929 40	−73.869 421 96		14.65	−151.39	−153.84	0.68	0.76	0.97	0.79	0.97	+ 4	− 3	+ 1	+ 4	− 3	−18	− 3	+29	−12	+ 5	1	0.87
74290	15 11 01.11	−64 24 53.6	9.04	H	227.754 641 87	−64.414 890 05		8.22	−45.09	−60.31	0.65	0.74	1.29	0.78	0.92	+23	−11	+ 4	+32	+ 3	−25	+ 5	+29	−15	+32	0	1.01
74291 H	15 11 04.86	−22 04 39.4	8.39	H	227.770 261 38	−22.077 601 37	A	7.45	−34.75	−42.09	1.76	1.19	1.49	1.76	1.66	+26	+ 0	−35	+16	− 7	+ 8	−10	+ 8	+24	−11	2	0.01
74292	15 11 05.01	−03 34 02.3	8.53	H	227.770 871 65	−03.567 297 99		6.88	32.35	−8.42	1.12	0.75	1.18	1.17	0.90	−34	−35	+ 2	+39	−10	+ 1	− 7	−11	− 2	−32	0	−1.37
74293	15 11 07.57	−73 08 18.2	9.50	2 H	227.781 523 81	−73.138 379 94		−1.17	−2.93	−2.98	0.76	0.86	1.15	0.85	1.09	+ 2	−15	− 4	+10	− 9	−15	− 4	+23	−29	− 1	1	0.49
74294	15 11 08.66	−76 56 59.3	9.08	1 G	227.786 092 73	−76.949 793 54		2.05	−0.30	−2.31	0.72	0.84	1.04	0.84	0.96	+ 7	−17	+24	+ 1	+13	+ 6	+ 3	+32	+27	+28	0	−0.31
74295	15 11 08.79	−39 51 51.1	9.56	G	227.786 625 26	−39.864 193 71		1.34	−13.72	−7.16	1.14	0.86	1.37	1.14	1.12	−20	−24	− 9	− 6	− 4	−19	− 8	+ 8	−11	− 6	4	0.78
74296	15 11 08.79	−84 47 16.2	5.88	H	227.786 640 63	−84.787 821 84		10.24	3.22	4.03	0.40	0.41	0.48	0.39	0.46	+ 3	−19	− 6	− 6	− 1	− 3	− 2	− 3	+ 6	+ 2	0	0.24
74297	15 11 09.18	−52 32 10.3	7.02	H	227.788 249 82	−52.536 200 86		5.66	−31.80	−7.95	0.71	0.90	1.02	0.93	1.04	−31	−23	−33	+12	+19	−20	− 5	+ 1	+19	−50	0	0.91
74298	15 11 10.20	+38 57 02.6	8.84	G	227.792 517 14	+38.950 735 13

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
74201	10.246	0.033	8.358	0.013		1.568	0.028	T	1.59	0.03	L	8.2655	0.0017	0.014	89		8.24	8.29		C			1							
74202	9.175	0.025	7.989	0.016		1.016	0.023	T	0.99	0.02	L	8.0326	0.0020	0.012	58		8.01	8.06		C			1							S
74203	7.772	0.009	7.267	0.007		0.483	0.015	G	0.55	0.02	H	7.3219	0.0010	0.008	71		7.30	7.35					1 G							S
74204	10.474	0.037	9.934	0.037		0.471	0.005	G	0.54	0.01	H	10.0039	0.0031	0.027	85		9.96	10.04					1							G
74205	9.897	0.021	8.480	0.012		1.230	0.015	G	1.19	0.01	H	8.5130	0.0020	0.014	101		8.49	8.54		C			1							
74206	8.617	0.017	6.718	0.008		1.577	0.015	T	1.60	0.01	L	6.6620	0.0019	0.009	49		6.65	6.68			15099−2359	I 1	1							S
74207	10.091	0.036	9.349	0.029		0.664	0.035	T	0.73	0.03	L	9.4629	0.0028	0.016	47		9.44	9.49		C			1							
74208	9.827	0.024	8.500	0.014		1.126	0.022	T	1.09	0.02	L	8.5710	0.0019	0.015	94		8.55	8.60		C			1							
74209	8.950	0.014	8.643	0.015		0.293	0.022	T	0.33	0.03	L	8.6485	0.0017	0.012	76		8.63	8.67		C			1							S
74210	8.792	0.016	8.263	0.015		0.505	0.016	T	0.58	0.02	L	8.3173	0.0014	0.009	54		8.30	8.33		C			1							S
74211	8.861	0.013	8.217	0.012	*	0.579	0.015	G	0.65	0.01	H	* 8.3094	0.0019	0.018	140	*	8.27	8.34		D	15099+3859	I 1	2 C A	AB	331	9.784	0.007	2.15	0.05	S
74212	10.029	0.026	9.468	0.025		0.525	0.032	T	0.60	0.03	L	9.6044	0.0027	0.025	107		9.55	9.64		C			1							S
74213	8.870	0.016	8.301	0.015		0.589	0.015	G	0.66	0.01	H	8.3374	0.0015	0.011	66		8.31	8.36		C			1							S
74214	11.773	0.079	9.964	0.026		1.537	0.069	T	2.03	0.23	K	9.9153	0.0041	0.041	179		9.84	9.98		U 2			1							
74215	8.395	0.011	8.383	0.014		−0.024	0.015	G	0.01	0.01	L	8.4147	0.0015	0.015	96		8.39	8.45		C			1							
74216	8.225	0.012	7.819	0.013		0.396	0.015	G	0.46	0.02	H	7.8614	0.0021	0.017	92		7.83	7.88					1							S
74217	9.494	0.020	8.764	0.017		0.655	0.020	T	0.72	0.02	L	8.8162	0.0026	0.017	85		8.79	8.85					1							
74218	11.533	0.062	10.545	0.043		0.853	0.059	T	0.90	0.06	L	10.6244	0.0028	0.030	137		10.57	10.67					1							
74219	8.579	0.016	8.117	0.016	A	0.000	0.495	G	0.51	0.04	L	* 8.0554	0.0019	0.012	55	*	8.04	8.08		D	15100−2243	I 1	2 C A	AB	129	2.015	0.010	2.16	0.03	
74220	7.427	0.007	7.495	0.010		−0.047	0.006	G	−0.03	0.01	H	7.4907	0.0013	0.010	77		7.47	7.51					1							S
74221	10.138	0.020	9.431	0.018		0.651	0.022	T	0.71	0.02	L	9.5061	0.0023	0.022	161		9.47	9.55		C			1							
74222	9.056	0.011	8.906	0.013		0.144	0.016	T	0.16	0.02	L	8.9447	0.0019	0.022	143		8.90	8.99					1							
74223	10.152	0.032	9.408	0.026		0.666	0.031	T	0.73	0.03	L	9.4969	0.0027	0.021	105		9.46	9.54					1							
74224	7.067	0.005	6.078	0.004		0.867	0.001	G	0.88	0.00	H	6.1400	0.0008	0.006	105		6.13	6.15		C			1							S
74225	9.092	0.012	8.870	0.014		0.212	0.017	T	0.23	0.02	L	8.9275	0.0016	0.019	140		8.89	8.96		C	15101+3741	I 1	1							S
74226	9.486	0.013	8.984	0.013		0.472	0.017	T	0.54	0.02	L	9.0156	0.0021	0.024	167		8.99	9.06					1							S
74227	8.074	0.007	7.020	0.006		0.915	0.007	T	0.91	0.01	L	7.0770	0.0010	0.011	155		7.06	7.10					1							S
74228	9.125	0.018	8.668	0.018		0.410	0.015	G	0.48	0.02	H	8.7350	0.0022	0.011	59		8.71	8.76		C			1							
74229	11.190	0.096	10.275	0.066		0.797	0.090	T	0.83	0.06	L	10.2800	0.0033	0.033	48		10.20	10.34		C			1 X							G
74230	9.265	0.018	8.709	0.016		0.526	0.018	T	0.60	0.02	L	8.7722	0.0015	0.014	75		8.75	8.80		C			1							
74231	11.730	0.089	10.441	0.045		1.096	0.078	T	1.06	0.08	L	10.5184	0.0039	0.041	139		10.45	10.59					1							
74232	9.737	0.023	8.180	0.012		1.307	0.020	T	1.27	0.02	L	8.1799	0.0015	0.015	75		8.16	8.21					1							
74233	9.624	0.018	9.124	0.018		0.513	0.015	G	0.59	0.02	H	9.1785	0.0020	0.018	116		9.15	9.22		C			1 G							
74234						0.850	0.000	G	0.86	0.00	H	9.5678	0.0034	0.024	87		9.53	9.60		C	15102−1624	I 2	1							
74235	10.043	0.029	9.115	0.022		0.770	0.010	G	0.81	0.01	H	9.2001	0.0021	0.016	85		9.17	9.22		C	15102−1624	I 2	1							
74236	10.741	0.027	8.891	0.010		1.538	0.023	T	1.59	0.05	L	8.8395	0.0015	0.024	275		8.80	8.88					1							
74237	11.668	0.084	10.878	0.067		0.717	0.083	T	0.77	0.06	L	10.9998	0.0038	0.040	134		10.93	11.07					1							G
74238	11.074	0.059	9.021	0.018		1.738	0.051	T	2.29	0.10	O	8.8617	0.0023	0.022	94		8.82	8.89					1							
74239	7.062	0.006	5.863	0.004		1.045	0.006	G	1.02	0.01	H	5.9183	0.0008	0.006	58		5.91	5.93		C			1							S
74240	7.884	0.007	7.426	0.006		0.432	0.008	T	0.50	0.01	L	7.4761	0.0011	0.012	158		7.45	7.50					1							S
74241	10.034	0.028	8.912	0.018		0.966	0.026	T	0.95	0.02	L	8.9472	0.0020	0.019	101		8.91	8.99		C			1							S
74242	9.234	0.019	8.086	0.013		0.986	0.018	T	0.97	0.01	L	8.1407	0.0012	0.013	93		8.12	8.17					1							
74243	10.607	0.051	9.485	0.032		0.990	0.003	G	1.03	0.00	I	9.5439	0.0023	0.021	86		9.50	9.59		C			1							G
74244	10.037	0.024	8.926	0.016		0.958	0.022	T	0.95	0.02	L	9.0231	0.0026	0.021	103		8.99	9.05		C			1							
74245	10.067	0.043	9.309	0.035	*	0.702	0.002	G	0.76	0.00	H	* 9.7035	0.0125	0.089	57	*	9.66	10.01		U 2	15104−2828	I 1	2 C A	AB	11	3.748	0.010	0.90	0.04	
74246	10.804	0.065	10.262	0.061		0.590	0.020	G	0.66	0.02	H	10.2963	0.0031	0.019	48		10.26	10.33		C			1							
74247	9.598	0.017	8.437	0.011		0.997	0.016	T	0.98	0.01	L	8.4885	0.0020	0.018	105		8.45	8.52					1							
74248	8.814	0.009	8.867	0.012		−0.038	0.002	G	−0.02	0.00	H	8.8584	0.0021	0.025	196		8.82	8.90					1							
74249	9.053	0.013	8.518	0.012		0.510	0.024	G	0.58	0.03	H	8.5872	0.0019	0.017	121		8.56	8.62		C			1							S
74250	9.355	0.018	7.848	0.010		1.267	0.016	T	1.23	0.02	L	7.8679	0.0018	0.015	113		7.85	7.89					1							
74251	9.722	0.016	8.288	0.009		1.210	0.014	T	1.17	0.01	L	8.3257	0.0015	0.016	155		8.30	8.35					1							S
74252	10.656	0.043	8.597	0.015		1.743	0.038	T	2.57	0.06	O	8.3704	0.0046	0.040	91		8.30	8.45		U 2			1 S							P
74253	9.040	0.012	7.087	0.006		1.655	0.011	T	2.03	0.04	O	6.9662	0.0042	0.031	108		6.93	7.02		U 2 C			1							S
74254	8.617	0.009	7.314	0.005		1.107	0.008	T	1.07	0.01	L	7.3665	0.0012	0.014	169		7.34	7.39					1							S
74255	10.310	0.033	9.354	0.024		0.828	0.032	T	0.87	0.03	L	9.3902	0.0027	0.021	88		9.36	9.43		C			1							
74256	10.212	0.025	9.015	0.016		1.025	0.023	T	1.00	0.02	L	9.0604	0.0024	0.022	121		9.01	9.10					1							
74257	9.502	0.016	9.165	0.017	*	0.320	0.021	T	0.37	0.03	L	* 9.1917	0.0022	0.023	124	*	9.14	9.24			15105+4800	H 1	2 C S A	AB	125	0.148	0.013	0.40	0.29	S
74258	9.636	0.018	8.998	0.016		0.587	0.018	T	0.66	0.02	L	9.0389	0.0021	0.017	104		9.01	9.07		C			1							
74259	9.764	0.016	8.967	0.013	*	0.722	0.016	T	0.77	0.01	L	* 9.0275	0.0016	0.020	191	*	9.00	9.07		D	15106+2021	I 1	2 C A	AB	266	0.198	0.014	1.01	0.35	
74260	10.095	0.021	9.550	0.020		0.511	0.026	T	0.58	0.03	L	9.6303	0.0023	0.028	152		9.58	9.68		C			1							
74261						1.406	0.028	G	1.69	0.07	I	10.7258	0.0046	0.033	80		10.67	10.78		C			1							G
74262	10.382	0.026	9.729	0.023		0.597	0.026	T	0.67	0.02	L	9.8606	0.0028	0.027	152		9.82	9.93					1							G
74263	9.694	0.014	8.766	0.011		0.807	0.014	T	0.83	0.01	L	8.7795	0.0019	0.026	227		8.74	8.83			15106−6735	I 1	1 S							
74264	9.742	0.024	8.885	0.019		0.752	0.023	T	0.80	0.02	L	8.9235	0.0023	0.020	92		8.89	8.95					1 G							
74265	8.329	0.008	7.035	0.004		1.100	0.007	T	1.06	0.01	L	7.0753	0.0008	0.009	194		7.05	7.09					1							S
74266	10.030	0.022	8.696	0.013		1.132	0.020	T	1.10	0.02	L	8.7720	0.0014	0.016	117		8.75	8.82					1							
74267	9.057	0.020	8.415	0.017		0.596	0.023	T	0.67	0.02	L	8.4675	0.0016	0.013	68		8.45	8.49		C			1							S
74268	7.755	0.009	7.055	0.007		0.619	0.003	G	0.69	0.00	H	7.1382	0.0012	0.010	99		7.12	7.16		C	15107−4343	I 2	1							S
74269	9.653	0.025	9.077	0.023		0.541	0.025	T	0.61	0.03	L	9.1478	0.0018	0.013	54		9.12	9.17					1							
74270	12.188	0.127	10.846	0.058		1.138	0.109	T	1.10	0.11	L	11.0484	0.0042	0.051	163		10.90	11.11		U			1 S							G G
74271	8.472	0.012	7.666	0.009		0.720	0.015	G	0.77	0.01	H	7.7488	0.0013	0.010	96		7.73	7.77			15107−4343	I 2	1							
74272	6.360	0.004	6.203	0.004		0.143	0.005	T	0.16	0.01	L	6.2363	0.0012	0.009	110		6.22	6.25					1							S
74273	7.052	0.006	6.365	0.004		0.623	0.003	G	0.66	0.02	A	6.4221	0.0009	0.007	91		6.41	6.44		C			1							S
74274	10.004	0.026	8.763	0.016		1.059	0.024	T	1.03	0.02	L	8.8079	0.0016	0.021	83		8.77	8.85					1							
74275	8.931	0.009	8.838	0.011	*	0.084	0.013	T	0.10	0.01	L	* 8.8382	0.0016	0.022	240	*	8.80	8.88		D	15108−6652	H 1	2 C A	AB	69	0.460	0.007	1.82	0.04	
74276	9.995	0.023	8.212	0.010		1.485	0.020	T	1.50	0.03	L	8.1909	0.0014	0.012	113		8.17	8.21		C			1							
74277	11.271	0.050	10.553	0.041		0.660	0.052	T	0.72	0.04	L	10.6627	0.0035	0.043	186		10.59	10.73					1							G
74278	10.396	0.037	9.770	0.033	B	0.582	0.044	T	0.65	0.04	L	9.9682	0.0363	0.199	111	B	9.65	10.23		D	15108+4651	I 2	1 C P A							
74279	10.129	0.025	8.748	0.014		1.169	0.022	T	1.13	0.02	L	8.8142	0.0017	0.018	110		8.78	8.84					1							
74280	9.251	0.014	8.434	0.011		0.739	0.015	G	0.79	0.01	H	8.4836	0.0041	0.037	117		8.43	8.53		U 2			1							S
74281	10.702	0.047	9.862	0.034	A	0.755	0.044	T	0.80	0.03	L	10.0515	0.0378			A				D	15108+4651	I 2	1 C I A							
74282	12.483	0.161	10.801	0.053		1.432	0.140	T	2.03	0.23	K	10.5925	0.0032	0.040	181		10.51	10.65		U			1							G
74283	10.399	0.052	9.736	0.045		0.619	0.015	G	0.69	0.01	H	9.8214	0.0040	0.024	46		9.75	9.86		C			1							
74284	8.173	0.007	7.890	0.006		0.288	0.009	G	0.33	0.01	H	7.9363	0.0011	0.014	186		7.92	7.96					1							S
74285	10.748	0.077	10.180	0.077		0.583	0.072	G	0.65	0.07	R	10.0667	0.0027	0.033	80		10.01	10.12		C			1							G
74286	7.761	0.005	7.304	0.005		0.458	0.001	G	0.53	0.00	H	7.3584	0.0011	0.013	191		7.34	7.38					1							S
74287	9.399	0.017	8.996	0.018		0.381	0.023	T	0.45	0.03	L	9.0620	0.0019	0.019	104		9.03	9.11		C			1							
74288	9.025	0.022	7.997	0.016		0.895	0.020	T	0.90	0.01	L	8.0663	0.0027	0.013	35		8.04	8.09					1							S
74289	9.509	0.015	8.741	0.012		0.678	0.004	G	0.74	0.00	H	8.7982	0.0017	0.020	169		8.77	8.83					1							
74290	9.565	0.013	9.096	0.013		0.442	0.017	T	0.51	0.02	L	9.1375	0.0017	0.023	243		9.10	9.18					1							
74291						0.600	0.495	G	0.50	0.04	L	* 8.4836	0.0019	0.013	54	*	8.47	8.53		C	15111−2205	I 1	2 C D	AB	57	3.640	0.089	3.70	0.19	D
74292	9.174	0.019	8.608	0.018		0.573	0.015	G	0.65	0.01	H	8.6557	0.0025	0.015	66		8.64	8.70					1							S
74293	9.388	0.014	9.477	0.020		−0.076	0.022	T	−0.06	0.03	L	9.4815	0.0035	0.033	160		9.44	9.54		U			1							
74294	9.264	0.014	9.079	0.016		0.164	0.003	G	0.18	0.00	H	9.1307	0.0025	0.028	128		9.09	9.18		U			1							
74295	9.306	0.016	9.529	0.025		−0.180	0.015	G	−0.19	0.02	H	9.4997	0.0014	0.019	98		9.47	9.53		D			1							
74296	5.834	0.002	5.871	0.003		−0.031	0.003	T	−0.01	0.00	L	5.8758	0.0006	0.006	140		5.86	5.89					1							S
74297	8.366	0.012	7.145	0.008		1.043	0.011	T	1.01	0.01	L	7.1914	0.0017	0.013	77		7.16	7.21					1 G							S
74298	9.546	0.016	8.915	0.014		0.603	0.018	G	0.67	0.02	H	8.9660	0.0022	0.021	138		8.93	9.00		C			1							
74299	8.203	0.010	8.046	0.012		0.151	0.015	T	0.17	0.01	L	8.0720	0.0012	0.010	74		8.06	8.10		C			1							S
74300	10.426	0.028	9.323	0.017		0.951	0.025	T	0.94	0.02	L	9.3763	0.0017	0.018	130		9.34	9.41		C			1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)												Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ				F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr		$\alpha*$	$\alpha*$	δ	$\alpha*$	δ	π	$\alpha*$	δ	π	$\mu_{\alpha*}$			%	
1 2	3	4	5 6 7		8	9 10		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28			29	30
74301	15 11 13.52	−13 03 15.5	7.36	H	227.806 349 54	−13.054 309 71		3.40	−18.57	−2.35	0.83	0.67	1.08	1.21	1.07	−26	−11	−38	+	7	+	5	−10	−	2	−25	+39	−33	0	0.15
74302	15 11 13.82	−40 42 57.2	7.66	G	227.807 593 38	−40.715 897 73		10.60	45.08	−5.72	0.82	0.60	1.02	0.88	0.81	−17	−18	−21	−	7	+	2	−25	−	8	+	2	+	2	−	3	0	−0.98
74303	15 11 14.79	+50 43 12.9	9.53	G	227.811 606 70	+50.720 256 17		5.78	−5.03	−30.37	0.78	0.77	0.92	0.89	0.85	+	2	+	7	+13	+	1	+13	+	5	+11	+	8	−	9	−	2	0	−0.70
74304	15 11 15.38	−00 51 19.2	11.64	G	227.814 076 55	−00.855 340 44		20.31	87.68	−194.86	2.95	1.90	3.26	3.68	2.26	−30	−18	+	2	+27	−13	+	9	−	3	−34	+11	−	9	0	−0.30
∗74305	15 11 15.98	−55 20 45.7	5.45	H	227.816 601 17	−55.346 014 39		1.61	−3.82	−7.41	0.54	0.53	0.76	0.57	0.66	+	0	−37	−27	+31	+16	−24	+	0	+11	+28	−21	2	−0.81
∗74306	15 11 15.89	+71 00 43.3	8.88	H	227.816 210 66	+71.012 038 44		2.75	−4.40	29.27	0.71	0.69	0.76	0.78	0.78	+	2	−	4	−19	−17	−	7	−	4	−	7	+13	−14	+	0	0	0.86
74307	15 11 16.31	+18 36 27.6	8.69	H	227.817 943 18	+18.607 678 72		1.88	−12.15	−12.13	1.03	0.63	1.18	1.34	0.97	+28	−	4	−	5	−27	−28	+	4	−34	−38	−	3	+	3	0	0.77
74308 H	15 11 16.93	−39 30 29.0	9.44	H	227.820 545 72	−39.508 042 59	A	9.44	−17.07	−43.33	5.84	4.01	6.65	8.10	8.11	−48	−	5	+	4	+	5	−	2	−	9	+	1	+	2	−28	+17	0	0.68
74309	15 11 18.42	+29 58 49.6	9.56	H	227.826 745 78	+29.980 440 80		3.90	−27.25	−13.13	0.84	0.89	1.41	0.88	0.96	+	7	−22	−	1	+33	−14	−	2	−11	+38	−	7	−13	0	1.35
74310	15 11 20.18	−18 00 43.7	11.14	G	227.834 098 09	−18.012 143 96		17.82	−150.91	−96.33	2.24	1.45	2.65	2.83	1.99	−39	+	1	−24	+15	−18	+29	−	7	−	5	−	3	−11	2	1.92
74311	15 11 20.67	−11 28 17.1	7.32	H	227.836 112 43	−11.471 427 75		1.84	−10.15	−15.58	0.94	0.72	1.30	1.04	1.05	−19	−37	−41	+26	+22	−25	−	4	−32	+45	−53	0	1.24
74312	15 11 21.07	+29 33 14.1	9.27	1 H	227.837 788 45	+29.553 912 94		5.49	−4.24	2.38	0.74	0.88	1.35	0.76	1.01	−	2	−25	+	1	+	2	−14	+	0	−	1	+36	−12	−30	0	0.52
74313	15 11 21.34	−11 03 21.4	8.75	H	227.838 901 10	−11.055 944 05		1.34	3.99	2.05	1.15	0.93	1.74	1.40	1.39	−30	−21	−43	+	4	+22	−22	+	2	−42	+53	−44	0	0.31
74314	15 11 21.63	+04 00 31.4	10.95	G	227.840 108 59	+04.008 726 54		−0.70	9.35	3.10	1.98	1.24	2.13	2.73	1.55	−	9	−12	−	2	−	2	−22	+	3	−14	−33	−	9	+	3	8	2.10
74315	15 11 22.93	+32 03 20.8	8.40	H	227.845 539 52	+32.055 790 86		9.16	−65.80	72.57	0.46	0.64	0.94	0.48	0.66	+28	−12	−14	−	3	+	8	−	3	+11	+12	−15	+11	1	0.23
74316	15 11 24.12	+59 03 14.0	7.59	H	227.850 502 02	+59.053 892 55		3.66	−11.07	1.52	0.53	0.60	0.63	0.51	0.66	+	6	−10	−18	−12	+	7	−	6	+11	+14	−	2	−	9	0	−0.36
74317	15 11 24.22	−27 19 24.0	8.85	H	227.850 900 66	−27.323 325 74		3.20	−24.65	−9.25	1.08	1.04	1.46	1.35	1.18	−21	−	6	−52	+	8	−23	+20	−15	+27	−17	−31	0	0.52
74318	15 11 24.48	−27 28 07.7	8.81	H	227.852 002 13	−27.468 797 92		1.47	−64.36	−38.47	1.07	0.93	1.38	1.34	1.10	−	7	−22	−48	+12	−22	+23	−11	+29	−11	−23	0	−1.51
74319	15 11 26.49	+65 38 20.5	7.78	H	227.860 367 36	+65.639 026 17		6.77	2.33	22.99	0.51	0.56	0.59	0.50	0.67	+16	−27	−16	−15	−11	−10	−18	−	8	+13	+12		0	0.12
74320	15 11 26.63	+48 41 34.6	8.39	G	227.860 967 97	+48.692 936 30		5.39	0.06	−1.00	0.69	0.64	0.78	0.85	0.80	+13	+	4	+	4	+	1	−	5	−	3	−	6	+10	−	5	+16	2	0.21
74321	15 11 26.78	−36 14 56.9	9.25	G	227.861 593 79	−36.249 146 76	A	6.54	−17.64	−32.15	3.06	2.30	2.52	2.90	2.38	+	5	+	3	−19	+28	+13	+11	+19	+	4	+	1	+13	4	2.19
74322	15 11 27.01	+43 47 43.3	8.69	H	227.862 520 87	+43.795 356 83		5.74	−4.45	−16.22	0.77	0.73	0.94	0.92	0.88	+24	−14	−14	−	5	−10	+10	−	9	−	3	+	4	+21	0	−2.04
74323	15 11 27.60	−36 14 32.0	10.64	H	227.865 004 01	−36.242 215 49	B	−8.83	19.64	−37.89	14.27	10.58	8.66	10.23	8.70	+	6	−	5	−14	+16	+12	+	5	+16	+	1	−	9	+11	4	2.19
74324	15 11 28.04	−37 30 18.3	9.35	H	227.866 848 29	−37.505 087 00		1.99	−5.92	−8.90	1.11	0.77	1.34	1.22	1.07	−22	−26	−12	+	7	+	1	−	2	−	5	+	9	+22	−	6	0	−1.84
74325	15 11 29.19	+19 26 43.0	8.65	H	227.871 617 58	+19.445 286 95		7.97	−36.65	−24.19	0.69	0.56	1.08	0.85	0.89	+10	−18	−	1	−	5	+	0	+16	−	5	−30	+	5	−	2	3	−0.25
74326	15 11 29.27	+71 50 26.7	9.08	H	227.871 946 89	+71.840 756 63		13.75	−190.44	79.31	0.77	0.71	0.82	0.94	0.80	−	3	+	4	−20	−	2	−	9	−	7	−10	+10	−21	−	9	0	1.53
74327	15 11 29.84	−02 03 15.6	10.42	G	227.874 340 11	−02.054 345 57		9.21	−19.49	2.10	1.85	1.47	2.42	2.16	1.67	−37	−25	−34	+11	+	1	+	9	+	2	−44	+30	−36	2	0.43
74328	15 11 29.92	+02 49 42.4	7.59	G	227.874 653 42	+02.828 437 95		7.99	−56.05	−15.01	0.84	0.52	0.91	0.87	0.67	−17	−32	−14	+27	−11	+	6	−14	−12	+	4	−26		0	2.41
74329	15 11 31.92	−45 16 44.7	7.38	G	227.882 994 97	−45.279 080 96		10.19	36.42	−49.09	0.74	0.82	1.03	0.96	0.99	−37	−11	−21	−	2	+19	+	7	+14	−	4	+	2	−44	0	2.84
74330	15 11 32.11	−73 09 09.6	8.50	H	227.883 808 81	−73.152 664 18		14.61	−87.47	−72.68	0.63	0.71	0.95	0.69	0.89	+	2	−20	−	1	+10	−	5	−16	+	0	+23	−24	+	1	0	−0.81
74331	15 11 32.53	+29 06 31.7	10.70	H	227.885 561 48	+29.108 792 80		30.51	−12.48	−22.99	2.39	2.51	3.73	2.14	3.10	−17	−19	−	2	−51	+16	+11	+26	−15	−	8	−35	0		
74332 H	15 11 32.91	−21 18 37.0	9.01	G	227.887 132 04	−21.310 285 80	∗	2.75	−30.30	−11.59	1.32	0.95	1.61	1.50	1.37	+	1	−28	−39	+13	+	3	−15	−10	+	1	+27	−28	0	0.98
74333	15 11 34.23	+20 02 36.3	7.14	H	227.892 643 33	+20.043 430 34		6.65	37.75	−18.26	0.53	0.45	0.84	0.64	0.65	−	7	−19	+11	+35	+	4	+	1	+	2	−13	−17	−19	0	−0.62
74334	15 11 34.36	+08 31 01.5	7.55	H	227.893 147 46	+08.517 072 42		2.99	18.14	−5.69	1.10	0.75	1.15	1.73	1.13	+15	−35	−23	+26	+	0	−17	+	0	+15	−	1	+38	0	0.58
74335	15 11 34.54	−51 16 54.4	9.34	H	227.893 923 97	−51.281 771 86		12.44	−57.79	−155.11	0.94	0.90	1.28	1.02	1.32	−17	−25	−21	+	1	−	4	−18	−	3	+22	+	6	−44	0	1.40
74336 H	15 11 34.82	−45 16 39.0	6.44	G	227.895 064 30	−45.277 495 13	A	8.38	−14.68	14.90	0.90	0.84	1.03	0.95	1.07	−44	−11	−	6	+13	+	3	−	2	+	9	+	3	+	4	−45	4	0.40
74337	15 11 34.99	+49 54 10.9	7.64	3 H	227.895 793 39	+49.903 036 96		2.37	−6.90	−2.47	0.61	0.54	0.68	0.74	0.67	+	3	+12	+	6	+	7	+	2	−	1	+	0	+	3	−14	+	1	0	0.12
74338	15 11 35.09	−02 15 35.9	7.21	H	227.896 220 52	−02.259 972 88		12.47	−30.43	−20.32	0.91	0.61	1.05	1.00	0.70	−49	−32	−	1	+36	−23	+28	−15	+	0	+	2	−36	0	1.74
74339	15 11 35.72	−59 25 14.6	8.98	H	227.898 853 79	−59.420 733 03		6.34	−51.45	−36.43	1.00	0.92	1.25	1.44	1.40	+27	−14	+	1	+35	+24	+	5	+26	+13	+16	+49	0	0.86
74340	15 11 36.52	+48 55 25.9	9.12	G	227.902 156 32	+48.923 848 51		4.10	−9.36	22.82	0.83	0.77	0.91	0.97	0.98	+22	−17	−	5	+17	+	8	−	6	+	9	+25	−10	+26	0	−2.87
74341	15 11 37.11	+24 13 59.0	8.85	H	227.904 613 32	+24.233 047 48		13.65	−50.42	−55.98	0.83	0.77	1.20	0.98	1.07	−12	−23	−24	+38	+35	−29	+	8	−26	+	3	−59	1	−1.43
74342	15 11 37.54	+21 31 35.1	7.64	H	227.906 415 93	+21.526 427 06		4.25	−35.87	20.41	0.59	0.53	0.88	0.69	0.72	−14	−21	+14	+19	−17	−13	−17	+	4	−11	−26		0	−1.91
74343	15 11 37.78	+80 41 42.4	8.97	H	227.907 427 74	+80.695 117 26		10.56	3.43	13.70	0.66	0.70	0.75	0.71	0.81	−	1	+	9	−13	−11	−	9	−	4	−	7	+10	+	8	−11	1	−1.37
74344	15 11 38.26	−64 56 11.8	9.86	H	227.909 418 67	−64.936 601 81		15.69	−36.69	−44.51	1.12	1.17	1.96	1.34	1.46	+41	−20	−18	+42	+25	−31	+22	+32	−13	+41		2	−1.24
74345 H	15 11 38.30	+10 07 29.8	7.97	G	227.909 591 26	+10.124 933 47	A	3.58	−24.32	−3.44	2.99	2.02	2.43	2.91	2.39	+	0	−18	+	0	+37	+18	−25	+16	+21	+	5	+13	1	1.02
74346	15 11 38.69	+53 33 18.0	9.56	H	227.911 212 50	+53.555 010 45		18.24	−138.02	129.69	0.82	0.85	0.99	0.93	0.95	+11	−18	−15	−	8	−16	+	1	−17	−10	+	7	−16	0	−1.10
74347 H	15 11 38.80	−67 42 36.0	7.47	H	227.911 664 92	−67.709 998 91	∗	4.35	−11.18	−13.42	0.41	0.57	0.81	0.50	0.71	+32	−13	−	6	−	5	+	6	−	4	+	5	+24	−	7	+36	0	2.16
74348	15 11 40.03	−42 11 26.0	8.93	G	227.916 790 65	−42.190 560 42		3.21	−16.60	−24.13	0.92	0.87	1.47	1.24	1.16	−45	+	6	−42	−	1	+25	−39	+13	+	3	+	9	−37	0	−1.69
74349	15 11 40.69	+51 37 11.0	9.70	H	227.919 553 16	+51.619 722 47		4.71	−32.43	15.25	0.83	0.79	0.96	0.97	0.90	+	9	−13	−	4	+11	+	5	+	3	+	7	+	8	−18	+	0	0	−0.48
74350	15 11 41.31	−06 00 41.2	10.74	3 H	227.922 132 75	−06.011 447 23		−0.83	−5.19	−19.10	2.43	1.76	4.05	3.84	2.60	−55	+	5	−26	+37	−33	+76	−16	+14	−57	−69		0	0.11
74351	15 11 41.44	+40 44 46.9	9.32	H	227.922 653 26	+40.746 357 37		5.02	−23.54	26.85	0.77	0.92	1.09	0.96	1.10	+16	+10	+	8	+14	+	7	+	7	+	7	+	9	+	1	+19	0	1.53
74352	15 11 41.94	+23 27 16.6	9.93	H	227.924 737 62	+23.454 607 61		8.63	−32.53	21.69	1.05	0.95	1.40	1.19	1.40	−16	−	7	−13	+36	+40	−18	+22	−33	+11	−55		0	−0.24
74353	15 11 43.77	−05 28 29.3	9.80	G	227.932 359 48	−05.474 808 48		8.61	−38.18	−14.17	2.00	1.31	2.10	2.68	1.64	−43	+	7	−11	+43	−34	+34	−32	+	7	−17	−42	0	0.96
74354	15 11 43.95	−37 16 19.2	8.75	H	227.933 119 77	−37.272 003 48		3.61	−16.69	−3.11	0.97	0.66	1.13	1.05	0.92	−36	−15	+10	+	1	+	5	+	4	+	4	+	3	+12	−10	0	−0.97
74355 H	15 11 44.45	+63 37 19.0	8.02	2 H	227.935 216 01	+63.621 957 30	∗	4.54	−19.80	8.88	0.54	0.56	0.61	0.59	0.64	+14	−	9	−11	−13	−	6	−14	−	6	−	6	+20	+13	0	1.00
74356	15 11 44.65	−05 28 57.4	8.30	G	227.936 059 15	−05.482 606 83		5.31	−36.20	−11.98	1.59	0.96	1.43	1.79	1.12	−40	+10	−	8	+59	−37	+26	−39	+22	−29	−46		0	0.28
∗74357	15 11 45.84	−33 38 19.9	6.99	H	227.941 007 98	−33.638 848 59		7.18	39.89	−10.87	0.82	0.69	0.99	0.87	0.90	−14	−29	−23	+14	−16	+10	−11	+29	−	5	−39	0	−0.24
∗74358	15 11 45.84	−34 22 11.9	10.41	H	227.941 003 47	−34.369 963 75		3.42	−24.12	−14.31	1.65	1.39	2.04	1.60	1.80	−	4	−34	−34	−	3	−13	−	1	−	9	+16	−16	−37	0	0.60
74359	15 11 47.72	+10 12 59.5	6.89	H	227.948 850 92	+10.216 523 30		8.21	−37.20	21.78	0.87	0.60	0.87	0.95	0.89	+12	−33	−	7	+50	+10	−17	+	4	+27	+11	−10	0	0.17
74360	15 11 47.79	−39 22 11.8	9.01	H	227.949 106 47	−39.369 954 89		4.20	−6.24	−6.47	1.19	0.80	1.38	1.46	1.28	−15	−10	−	3	−16	−	8	−14	−13	+	8	−25	+10	0	1.64
74361	15 11 48.29	−15 13 53.1	9.06	H	227.951 222 32	−15.231 411 97		0.69	9.75	−14.88	1.12	0.80	1.44	1.41	1.16	−18	−16	−40	−	3	+	6	−	5	+	0	−35	+38	−16	0	−2.43
74362	15 11 49.09	−49 38 17.4	8.50	H	227.954 525 01	−49.638 157 43		4.99	4.36	−9.48	0.84	0.78	1.09	0.82	0.96	−24	−37	−	9	+	0	+	1	−12	−	1	+12	+	4	−30	2	0.30
74363	15 11 49.31	+23 02 04.1	8.97	H	227.955 451 87	+23.034 465 72		8.24	53.40	−29.30	0.84	0.76	1.28	1.14	1.23	−12	−	8	−23	+	9	+34	−39	+15	−42	+40	−49	0	0.03
74364 H	15 11 49.80	+02 14 01.4	10.52	G	227.957 496 18	+02.233 721 59	A	−2.00	−13.95	14.38	3.05	2.37	3.15	3.21	2.75	−22	−38	−11	+27	−	5	−12	−20	−22	+36	−40	1	−1.04
74365	15 11 49.86	−31 27 17.2	9.52	H	227.957 752 27	−31.454 764 10		8.41	−7.25	−14.52	1.39	0.91	1.43	1.61	1.10	+15	−12	−19	+32	+14	+16	+17	+19	+14	+22		0	1.21
74366	15 11 49.96	+11 28 30.5	7.92	H	227.958 154 54	+11.475 130 22		9.67	−53.36	40.56	0.74	0.50	0.89	0.77	0.77	+10	−31	−10	−14	−19	+18	−17	+	8	+	4	−30	0	−0.13
74367	15 11 49.99	−16 09 34.2	6.68	H	227.958 271 76	−16.159 504 80		7.25	−13.15	−21.93	0.68	0.49	0.77	0.75	0.60	−35	−22	−	4	+13	−	3	+20	+	4	−	8	−	4	−18	0	0.08
74368	15 11 50.30	+61 51 40.4	8.83	H	227.959 571 01	+61.861 221 81	B	15.32	−153.96	98.81	9.99	10.35	5.18	7.60	6.95	+	1	−	6	−30	−26	+	3	−15	+	6	+	8	−	8	−20	17	3.48
74369	15 11 50.36	−46 45 06.3	7.78	2 H	227.959 838 16	−46.751 742 29		1.97	2.56	11.63	0.70	0.62	0.97	0.65	0.68	−19	−30	−	7	+	0	+	1	−32	−	2	+13	+	1	−19	0	−0.89
74370	15 11 50.56	+61 51 24.4	8.04	H	227.960 673 65	+61.856 790 89	A	14.86	−162.57	99.13	2.80	2.83	2.56	2.63	2.84	+	3	−	7	−28	−28	+	1	−17	+	2	+	3	−	8	−17	17	3.48
74371	15 11 51.61	−08 50 23.7	8.15	H	227.965 021 71	−08.839 925 63		4.27	−15.81	5.33	1.32	0.84	1.26	1.97	0.96	+	8	−13	−19	−25	−52	+	4	−44	−21	−	6	+28	0	−0.93
74372	15 11 53.09	+63 39 11.8	7.91	H	227.971 223 60	+63.653 264 91		3.53	−17.65	9.35	0.53	0.54	0.59	0.57	0.63	+15	−	8	−11	−12	−	4	−15	−	4	−	1	−18	+16	0	0.57
74373	15 11 54.17	+09 46 37.2	7.41	H	227.975 727 33	+09.777 000 64		6.10	−158.91	−42.34	0.90	0.67	1.04	1.11	1.04	+	6	−28	−26	+35	+	0	−22	−15	+	8	+17	−19	0	3.07
74374	15 11 55.09	+16 38 01.3	9.62	H	227.979 548 96	+16.633 704 45		22.63	115.43	−229.02	1.09	0.84	1.53	1.37	1.37	+	5	−25	−10	−14	−	3	+13	−15	−34	+21	−23	1	1.20
74375	15 11 55.99	−64 58 19.7	8.56	H	227.983 290 81	−64.972 141 10		6.77	−2.92	−39.50	0.70	0.70	1.25	0.82	0.89	+33	−33	−16	+45	+19	−33	+20	+28	−17	+37		0	−1.37
74376	15 11 56.16	−48 44 15.7	3.88	G	227.984 004 34	−48.737 702 12	A	17.89	−96.52	−47.97	28.94	30.59	1.26	1.13	1.24	−	8	−26	−14	+15	+	3	−	6	+	5	+21	−	8	−	9	10	1.88
74377	15 11 56.92	+56 01 30.6	7.93	H	227.987 174 03	+56.025 155 84		3.91	13.35	0.00	0.54	0.55	0.65	0.52	0.54	+	1	−10	+	5	−14	−15	−	3	−13	−	3	+	0	−24	0	1.42
∗74378	15 11 57.44	+38 40 19.0	8.71	H	227.989 336 30	+38.671 955 05		5.65	20.13	−7.95	0.71	0.83	1.06	0.90	1.14	+18	−11	−12	−	7	+	3	−	6	+	1	−	6	+	9	+13	1	−0.01
∗74379	15 11 57.37	−32 17 15.0	10.09	G	227.989 036 48	−32.287 490 38		−0.76	−103.02	−51.96	1.46	1.16	1.75	1.38	1.27	−	3	−26	−33	−	3	+	6	−	9	+	2	−	5	+11	−25	3	−0.43
∗74380	15 11 57.77	−48 44 36.9	5.70	G	227.990 687 61	−48.743 576 42	B	16.89	−98.31	−45.39	8.82	7.84	5.08	5.87	5.67	−19	−16	−12	+	9	+	8	−10	+	4	+15	−11	−	8	10	1.88
∗74381	15 11 57.76	+36 45 16.8	7.27	H	227.990 660 43	+36.754 659 83		19.03	−213.11	23.50	0.49	0.52	0.71	0.55	0.60	+19	+11	+	3	−	8	−	7	−11	−	4	+14	+	0	+	5	1	0.94
74382	15 11 59.98	+38 40 12.5	8.52	H	227.999 913 75	+38.670 137 57		6.83	20.14	−10.02	0.72	0.77	1.02	0.88	0.99	+	5	−	4	−	6	+	3	+	7	−16	+	6	−	6	+	9	+	2	0	0.63
74383	15 12 01.97	+72 52 16.5	8.48	H	228.008 219 39	+72.871 238 90		1.81	2.61	−9.15	0.60	0.63	0.67	0.69	0.72	+	3	−13	−13	+13	−	1	+	4	+	0	+	7	−15	−	8	3	−0.09
74384	15 12 02.13	+39 57 26.7	9.36	H	228.008 865 87	+39.957 420 89		13.27	−252.28	98.31	0.88	0.94	1.20	1.11	1.21	+22	+	0	+	3	−16	−	6	+15	−	6	+	9	+	4	+18	0	0.49
74385	15 12 04.06	+22 18 48.6	6.62	1 H	228.016 916 48	+22.313 498 01		3.82	−22.40	−27.58	0.51	0.47	0.73	0.62	0.65	−14	−13	−	7	+	0	+	0	−13	−	5	−17	+	0	−37	0	−1.21
74386 H	15 12 04.27	+18 58 33.6	5.90	2 G	228.017 802 23	+18.976 003 52	A	3.93	−16.41	11.38	1.85	1.31	1.45	1.94	1.39	+19	−	3	+	6	−21	−12	+	8	−24	−37	−	3	+	1	4	3.72
74387 H	15 12 04.32	−45 00 45.2	7.89	G	228.018 016 25	−45.012 564 54	A	3.70	−0.93	−5.45	0.93	0.90	1.15	1.02	1.21	−40	−	7	−16	+	0	+	4	−20	+	3	+	8	−12	−44	4	0.18
74388	15 12 06.56	+45 09 50.1	9.66	H	228.027 329 13	+45.163 909 24		14.28	−96.29	152.06	0.83	0.80	0.97	0.98	1.04	+18	−	6	−14	+10	+	6	+	0	+	7	+	5	+	2	+24	1	2.02
74389	15 12 10.29	−30 53 09.7	7.76	H	228.042 862 52	−30.886 036 50		25.31	98.82	−104.06	0.94	0.79	1.15	1.07	0.94	−	9	−23	−36	+25	−13	+	8	−11	+28	+	1	−23	0	0.77
74390	15 12 11.39	+04 19 20.4	8.28	H	228.047 451 90	+04.322 329 57		8.75	−90.51	−17.97	1.00	0.62	1.12	1.46	0.90	−11	−12	−	4	+	4	−25	−14	−23	+	7	−	2		0	1.79
74391	15 12 12.04	−19 06 23.1	6.49	H	228.050 152 84	−19.106 424 17		5.87	−40.75	−23.77	0.84	0.52	0.94	0.90	0.66	−30	−29	−18	+35	−17	+21	−	9	+15	+	7	−21	0	0.47
74392	15 12 13.31	−19 47 29.9	4.54	G	228.055 467 36	−19.791 631 43		8.66	−35.59	−32.55	0.84	0.61	0.98	1.05	0.72	−14	−30	−31	+	6	−27	+27	−21	+28	−	5	+	0	0	1.34
74393	15 12 13.53	−06 47 13.7	9.12	1 G	228.056 368 27	−06.787 127 42		6.43	−33.71	−21.81	1.19	0.87	1.45	1.40	1.00	−37	−25	−20	+22	−	7	+30	+	1	−16	−	3	−41	0	0.83
74394	15 12 15.74	+43 58 51.5	8.11	H	228.065 588 58	+43.980 983 31		6.32	10.89	−28.66	0.64	0.65	0.80	0.79	0.77	+12	−11	+	0	−11	−19	+11	−17	+	6	−	3	+	4	1	1.83
74395	15 12 17.20	−52 05 56.7	3.41	H	228.071 679 82	−

No.	Tycho Magnitudes					Colour Indices							Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag			Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3		44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
74301	8.910	0.019	7.481	0.011		1.225	0.020	G	1.18	0.02	H		7.5218	0.0013	0.010	60		7.50	7.54					1							S
74302	8.100	0.011	7.716	0.011		0.364	0.014	T	0.43	0.01	L		7.7448	0.0015	0.012	80		7.73	7.77					1							S
74303	10.030	0.024	9.547	0.024		0.420	0.015	G	0.49	0.02	H		9.6214	0.0020	0.021	130		9.58	9.66		C			1							
74304						1.344	0.009	G	1.56	0.01	I		11.7543	0.0057	0.059	63		11.60	11.87					1							G
74305	6.896	0.005	5.579	0.003		1.118	0.005	T	1.08	0.01	L		5.6155	0.0008	0.007	82		5.60	5.63			15113−5521	I 1	1							S
74306	10.307	0.026	8.985	0.015		1.122	0.023	T	1.08	0.02	L		9.0508	0.0019	0.014	105		9.03	9.07					1							
74307	10.717	0.033	8.853	0.013		1.549	0.028	T	1.61	0.06	L		8.8068	0.0016	0.014	126		8.78	8.83		C			1							
74308	9.490	0.036	8.951	0.035	*	0.513	0.037	T	0.59	0.04	L	*	9.5480	0.0034	0.023	90	*	9.51	9.59		D	15113−3930	I 1	2 C B	AB	171	1.847	0.005	0.29	0.02	
74309	10.103	0.017	9.566	0.017		0.504	0.022	T	0.58	0.02	L		9.6671	0.0022	0.031	188		9.62	9.72					1 S							
74310	12.266	0.218	11.270	0.148		1.121	0.012	G	1.21	0.02	I		11.2575	0.0048	0.040	85		11.16	11.31					1							G
74311	8.834	0.017	7.447	0.010		1.173	0.015	T	1.13	0.01	L		7.4814	0.0010	0.006	57		7.47	7.49		C			1							S
74312	10.458	0.021	9.352	0.014		0.954	0.020	T	0.94	0.01	L		9.4286	0.0022	0.030	215		9.38	9.49		U			1 S							
74313	10.353	0.047	8.866	0.025		1.252	0.042	T	1.21	0.04	L		8.9142	0.0024	0.013	53		8.90	8.94		C			1							
74314						0.600	0.020	G	0.67	0.02	H		11.0623	0.0046	0.045	77		10.96	11.12		C			1							G
74315	9.332	0.010	8.487	0.008		0.759	0.010	T	0.80	0.01	L		8.5439	0.0012	0.019	272		8.51	8.58					1							S
74316	9.411	0.015	7.724	0.008		1.409	0.013	T	1.39	0.02	L		7.7347	0.0014	0.012	119		7.71	7.75		C			1							S
74317	10.914	0.064	8.998	0.023		1.591	0.054	T	1.61	0.06	L		8.9624	0.0029	0.016	52		8.93	8.99					1							
74318	10.053	0.038	8.900	0.025		0.990	0.035	T	0.97	0.03	L		8.9796	0.0017	0.015	53		8.96	9.01		C			1 S							
74319	8.092	0.010	7.811	0.009		0.267	0.013	T	0.30	0.02	L		7.8498	0.0011	0.011	113		7.83	7.87					1							S
74320	8.836	0.010	8.450	0.011		0.365	0.014	T	0.43	0.01	L		8.4841	0.0016	0.015	119		8.46	8.52					1							S
74321	9.673	0.029	9.352	0.033	A	0.338	0.015	G	0.39	0.02	H		9.3450	0.0105	0.046	63	A	9.31	9.46		D	15115−3615	I 2	1 C P A							
74322	9.376	0.015	8.736	0.013		0.594	0.017	T	0.66	0.02	L		8.8193	0.0022	0.019	120		8.79	8.85		C			1							S
74323	11.775	0.170	10.777	0.104	B	0.873	0.148	T	0.88	0.11	L		10.9893	0.0335			B				D	15115−3615	I 2	1 C I A							
74324	10.100	0.023	9.438	0.021		0.604	0.023	T	0.67	0.02	L		9.4826	0.0025	0.023	112		9.45	9.52		C			1							
74325	9.277	0.015	8.694	0.014		0.545	0.018	T	0.62	0.02	L		8.7712	0.0016	0.015	143		8.75	8.80					1							S
74326	9.902	0.021	9.152	0.017		0.651	0.001	G	0.71	0.00	H		9.2158	0.0017	0.013	109		9.19	9.24		C			1							
74327	11.112	0.075	10.489	0.070		0.627	0.015	G	0.69	0.01	H		10.5575	0.0044	0.036	69		10.47	10.62		C			1							G
74328	7.833	0.009	7.599	0.009		0.211	0.015	G	0.23	0.02	H		7.6481	0.0008	0.009	96		7.63	7.67					1							S
74329	8.710	0.017	7.436	0.011		1.084	0.005	G	1.05	0.00	H		7.5198	0.0017	0.018	97		7.47	7.55		D	15116−4517	I 2	1 G							S
74330	9.121	0.012	8.555	0.011		0.561	0.015	G	0.63	0.01	H		8.6194	0.0020	0.021	169		8.59	8.66					1							
74331						1.554	0.197	G	1.56	0.22	R		10.8213	0.0031	0.041	175		10.76	10.90					1 X S							G
74332	9.650	0.025	9.062	0.023	*	0.551	0.020	G	0.62	0.02	H	*	9.1330	0.0018	0.016	58	*	9.11	9.17		C	15115−2119	M 1	2 C S A	AC	187	0.172	0.009	0.52	0.38	
74333	7.523	0.005	7.163	0.005		0.341	0.007	T	0.40	0.01	L		7.2172	0.0009	0.009	175		7.20	7.24					1							S
74334	7.713	0.010	7.557	0.012		0.135	0.008	G	0.15	0.01	H		7.6035	0.0015	0.010	47		7.59	7.63		C			1							S
74335	10.149	0.029	9.390	0.025		0.677	0.029	T	0.74	0.02	L		9.4778	0.0020	0.018	90		9.44	9.50					1							
74336	7.776	0.008	6.537	0.005	A	1.039	0.001	G	1.01	0.00	H	*	6.5852	0.0009	0.008	95	*	6.57	6.60		D	15116−4517	I 2	2 C A	AB	314	1.230	0.026	3.09	0.07	S
74337	9.754	0.019	7.884	0.008		1.587	0.017	T	2.48	0.06	O		7.6716	0.0128	0.203	119		7.35	8.06		U 2 C			1 S							S
74338	7.615	0.008	7.252	0.010		0.344	0.012	T	0.40	0.02	L		7.2926	0.0011	0.008	68		7.27	7.31					1							S
74339	9.534	0.021	8.985	0.020		0.520	0.022	T	0.59	0.02	L		9.0900	0.0022	0.017	86		9.05	9.12		C			1							
74340	9.507	0.018	9.133	0.019		0.347	0.015	G	0.41	0.02	H		9.2095	0.0026	0.021	126		9.17	9.25		C			1							
74341	9.676	0.015	8.935	0.013		0.678	0.016	T	0.74	0.01	L		8.9948	0.0021	0.016	132		8.96	9.03		C			1							
74342	7.945	0.007	7.675	0.007		0.257	0.009	T	0.29	0.01	L		7.7138	0.0014	0.013	127		7.69	7.75		C			1							S
74343	9.499	0.017	9.025	0.017		0.446	0.022	T	0.52	0.02	L		9.0714	0.0015	0.016	123		9.04	9.10					1							
74344	10.818	0.035	9.956	0.026		0.756	0.033	T	0.80	0.02	L		10.0041	0.0024	0.039	195		9.94	10.07					1 S							G
74345	8.378	0.014	8.076	0.015	*	0.276	0.009	G	0.31	0.01	H	*	8.0503	0.0025	0.015	61	*	8.03	8.08		D	15116+1007	I 1	2 C A	AB	48	0.776	0.004	0.02	0.01	S
74346	10.727	0.042	9.642	0.025		0.938	0.037	T	0.93	0.03	L		9.7186	0.0028	0.024	111		9.68	9.76		R			1							
74347	7.489	0.005	7.475	0.006	*	0.018	0.007	T	0.04	0.01	L	*	7.4854	0.0009	0.014	220	*	7.46	7.51		D	15116−6743	H 1	2 C S A	AB	239	0.176	0.020	1.76	0.31	S
74348	9.150	0.018	8.954	0.021		0.182	0.002	G	0.20	0.00	H		9.0001	0.0020	0.017	108		8.96	9.03		C			1							
74349	10.293	0.030	9.738	0.028		0.520	0.037	T	0.59	0.04	L		9.8137	0.0019	0.018	114		9.77	9.84		C			1							
74350						1.500	0.510	G	4.30	0.98	Q		10.0331	0.3666	0.991	33		8.50	11.55	276.70	P 1 B			1							G P
74351	10.059	0.024	9.341	0.020		0.660	0.025	T	0.72	0.02	L		9.4618	0.0025	0.027	146		9.41	9.51					1							
74352	10.509	0.028	9.918	0.026		0.552	0.034	T	0.62	0.03	L		10.0469	0.0022	0.024	143		10.01	10.09					1							
74353	10.355	0.058	9.724	0.052		0.554	0.015	G	0.63	0.01	H		9.8705	0.0049	0.027	49		9.80	9.91		D	15117−0529	I 2	1 S							
74354	10.664	0.037	8.888	0.015		1.480	0.032	T	1.50	0.05	L		8.8818	0.0016	0.015	110		8.85	8.91		C			1							
74355	8.194	0.008	8.048	0.009	*	0.140	0.011	T	0.15	0.01	L	*	8.0729	0.0013	0.014	123	*	8.05	8.16		U 2	15117+6337	H 1	2 C S A	AB	128	0.120	0.019	1.17	0.63	S
74356	8.632	0.018	8.322	0.019		0.315	0.015	G	0.36	0.02	H		8.3589	0.0030	0.014	52		8.31	8.39		D	15117−0529	I 2	1							S
74357	8.187	0.010	7.113	0.006		0.930	0.009	T	0.92	0.01	L		7.1509	0.0010	0.011	66		7.13	7.16		C			1							S
74358	11.133	0.076	10.376	0.064		0.676	0.075	T	0.74	0.06	L		10.5451	0.0040	0.026	58		10.50	10.58		C			1							G
74359	6.942	0.008	6.897	0.010		0.048	0.002	G	0.06	0.00	H		6.9134	0.0015	0.011	65		6.90	6.93					1							S
74360	10.219	0.029	9.072	0.019		0.986	0.027	T	0.97	0.02	L		9.1691	0.0032	0.020	91		9.14	9.20					1							
74361	10.682	0.052	9.182	0.025		1.262	0.045	T	1.22	0.05	L		9.2242	0.0018	0.013	73		9.20	9.24		C			1							
74362	10.170	0.029	8.619	0.014		1.302	0.025	T	1.26	0.03	L		8.6555	0.0020	0.015	96		8.63	8.68					1							
74363	9.535	0.017	9.001	0.016		0.501	0.021	T	0.57	0.02	L		9.0771	0.0021	0.023	128		9.04	9.13		C			1							S
74364	11.220	0.075	10.553	0.065	*	0.610	0.020	G	0.68	0.02	H	*	10.6262	0.0053	0.040	98	*	10.47	10.69			15118+0214	H 1	2 C A	AB	31	0.504	0.014	1.78	0.07	G
74365	10.328	0.042	9.583	0.036		0.667	0.042	T	0.73	0.04	L		9.6534	0.0029	0.016	54		9.63	9.69		C			1							
74366	8.421	0.010	7.972	0.012		0.451	0.015	G	0.52	0.02	H		8.0214	0.0012	0.010	96		8.01	8.05		C			1							S
74367	8.289	0.011	6.813	0.007		1.243	0.010	T	1.20	0.01	L		6.8382	0.0007	0.008	94		6.82	6.85					1							S
74368	9.573	0.018	8.813	0.015	B	0.693	0.018	T	0.75	0.01	L		8.9912	0.0460			B				D	15118+6151	I 2	1 C I A							
74369	9.928	0.024	8.021	0.010		1.617	0.021	T	2.65	0.04	O		7.7629	0.0108	0.075	92		7.59	7.87		U 2			1 S							
74370	8.687	0.011	8.093	0.010	A	0.555	0.011	T	0.63	0.01	L		8.1594	0.0289	0.212	115	A	7.94	8.66		D	15118+6151	I 2	1 C P A							S
74371	10.022	0.038	8.315	0.018		1.425	0.033	T	1.41	0.05	L		8.2908	0.0035	0.014	50		8.26	8.31					1							
74372	7.942	0.008	7.902	0.011		0.042	0.013	T	0.06	0.01	L		7.9304	0.0008	0.010	121		7.91	7.95		C			1							S
74373	8.673	0.017	7.530	0.011		0.983	0.016	T	0.96	0.01	L		7.5708	0.0016	0.011	57		7.56	7.60		C			1							S
74374	10.904	0.043	9.723	0.025		1.005	0.040	T	1.05	0.05	L		9.7586	0.0025	0.028	140		9.69	9.80		C			1							
74375	9.305	0.012	8.625	0.010		0.617	0.012	T	0.69	0.01	L		8.6860	0.0014	0.018	196		8.65	8.72					1							
74376	3.811	0.003	3.846	0.003	A	−0.029	0.007	G	−0.02	0.02	A		3.8523	0.0170	0.008	86	A	3.81	3.86		D	15119−4844	I 2	1 C P A							S G
74377	8.073	0.010	7.944	0.011		0.125	0.014	T	0.14	0.01	L		7.9726	0.0014	0.013	101		7.95	8.00		C			1							S
74378	9.001	0.012	8.696	0.013		0.170	0.150	G	0.24	0.05	L		8.7763	0.0021	0.023	144		8.74	8.82		D	15120+3840	I 2	1							S
74379	11.418	0.084	10.277	0.049		0.979	0.005	G	1.02	0.01	I		10.2387	0.0022	0.017	70		10.20	10.27					1							G
74380	5.846	0.005	5.657	0.004	B	0.144	0.008	G	0.16	0.01	H		5.7492	0.0722			B				D	15119−4844	I 2	1 C I A							S
74381	8.314	0.007	7.354	0.006		0.844	0.007	T	0.86	0.01	L		7.4218	0.0009	0.012	148		7.40	7.44					1							S
74382	8.833	0.011	8.527	0.012		0.170	0.150	G	0.33	0.05	L		8.5973	0.0019	0.020	147		8.56	8.63		D	15120+3840	I 2	1							S
74383	10.427	0.031	8.628	0.013		1.498	0.027	T	1.52	0.04	L		8.6104	0.0014	0.013	126		8.58	8.65		C			1							
74384	10.320	0.026	9.439	0.020		0.770	0.025	T	0.81	0.02	L		9.5007	0.0025	0.027	144		9.45	9.55					1							S
74385	8.706	0.010	6.810	0.005		1.620	0.015	G	2.16	0.05	F		6.6811	0.0018	0.015	123		6.65	6.70		U 2			1							S
74386	7.806	0.009	6.113	0.008	*	1.414	0.009	T	1.39	0.01	L	*	5.8746	0.0111	0.069	123	*	5.74	5.96		U 2 C	15121+1859	I 1	2 C B	AB	137	0.449	0.013	2.14	0.06	S D
74387	7.968	0.010	7.919	0.011	A	0.040	0.015	G	0.06	0.01	H	*	7.9174	0.0011	0.009	89	*	7.90	7.93		D	15121−4501	I 1	2 C A	AB	137	3.136	0.019	3.19	0.08	S
74388	10.493	0.034	9.714	0.028		0.708	0.034	T	0.76	0.03	L		9.8052	0.0021	0.020	115		9.76	9.85		C			1							
74389	8.554	0.012	7.815	0.010		0.662	0.012	T	0.72	0.01	L		7.8911	0.0019	0.012	65		7.87	7.91					1							S
74390	8.781	0.013	8.332	0.013		0.424	0.017	T	0.49	0.02	L		8.3784	0.0014	0.011	91		8.35	8.40		C			1							S
74391	8.485	0.013	6.674	0.007		1.507	0.012	T	1.54	0.02	L		6.6184	0.0014	0.011	74		6.60	6.63					1							S
74392	4.449	0.004	4.541	0.004		−0.071	0.019	G	−0.06	0.02	A		4.5179	0.0007	0.005	51		4.51	4.53			15122−1948	I 1	1 S							S
74393	9.490	0.024	9.154	0.026		0.339	0.020	G	0.40	0.03	H		9.2398	0.0030	0.030	62		9.19	9.27		U			1							
74394	8.595	0.010	8.153	0.010		0.430	0.015	G	0.50	0.02	H		8.2048	0.0012	0.014	130		8.18	8.23		C			1							S
74395	4.572	0.003	3.506	0.002		0.918	0.004	G	0.91	0.02	A		3.5711	0.0005	0.004	81		3.56	3.58		C	15122−5206	I 1	1							S
74396	9.661	0.017	8.664	0.012		0.860	0.016	T	0.87	0.01	L		8.7240	0.0020	0.017	134		8.69	8.76		C			1							S
74397						0.800	0.200	G	0.83	0.14	R		12.1964	0.0082	0.073	90		12.08	12.31					1							D
74398	7.871	0.005	7.737	0.004		0.129	0.006	T	0.14	0.01	L		7.7531	0.0008	0.012	248		7.73	7.77		C			1							S
74399	7.834	0.009	7.678	0.010		0.168	0.015	G	0.18	0.01	H		7.7159	0.0017	0.013	60		7.70	7.74					1							S
74400	8.323	0.011	8.292	0.014		0.012	0.015	G	0.01	0.01	L		8.2994	0.0016	0.014	68		8.28	8.32					1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)														Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2	
1 2	h m s	±° ′ ″	mag	6 7	deg	deg	10	mas	mas/yr		mas		mas	mas/yr		19	20	21	22	23	24	25	26	27	28		%		29	30
74401	15 12 20.96	−16 24 39.8	7.39	H	228.087 315 65	−16.411 066 98		4.19	−7.39	−2.95	0.71	0.52	0.81	0.78	0.61	−36	−19	− 2	+13	− 5	+25	+ 1	− 6	− 7	−20		0	−0.25
74402	15 12 21.67	−39 59 06.0	9.57	H	228.090 277 65	−39.984 991 30		6.54	−49.66	−53.74	1.31	0.92	1.62	1.20	1.23	−23	−40	+ 6	− 2	− 5	−18	− 4	+ 2	−10	−12		0	−0.67
74403	15 12 22.61	+31 28 10.5	8.36	H	228.094 215 52	+31.469 596 14		4.41	16.82	−42.28	0.50	0.69	1.10	0.54	0.74	+33	+ 0	+ 4	+ 5	+ 0	− 9	+ 1	+ 5	−15	+18		0	−0.59
74404	15 12 23.06	+38 59 15.2	7.72	H	228.096 086 65	+38.987 545 40		4.43	−20.79	11.53	0.56	0.63	0.80	0.75	0.87	+11	− 9	− 6	+20	+ 8	−15	+ 8	+11	− 1	+15		0	−0.35
74405	15 12 23.61	−75 15 15.0	9.42	2 H	228.098 360 22	−75.254 164 42		19.96	−74.36	−72.84	0.82	0.87	1.11	0.92	0.95	+13	− 7	+ 1	−10	+12	−10	+ 8	+27	− 6	+24		1	−0.22
74406	15 12 23.76	−06 39 36.1	9.53	G	228.098 990 74	−06.660 016 29		−0.75	−11.55	−6.91	1.35	0.99	1.65	1.68	1.14	−39	−25	−26	+19	−15	+26	− 5	−11	− 6	−45		0	0.77
74407	15 12 24.00	+55 37 37.6	9.19	H	228.099 984 69	+55.627 098 06		12.70	−224.09	155.79	0.69	0.75	0.83	0.75	0.81	− 1	− 9	− 2	−16	−13	+ 5	−12	−15	− 9	−14		0	−0.67
74408	15 12 24.78	+78 23 27.6	8.38	H	228.103 268 18	+78.391 008 70		6.63	4.01	−10.35	0.65	0.64	0.70	0.74	0.82	+ 2	−12	−13	−21	+10	+17	+14	−12	+ 1	+11		0	0.18
74409	15 12 25.40	+66 58 30.2	8.52	H	228.105 844 05	+66.975 061 60		8.78	−87.92	27.86	0.59	0.66	0.68	0.61	0.81	+ 7	+ 5	−19	−15	−13	−15	−18	− 4	+11	− 3		1	0.26
74410	15 12 25.55	−09 15 39.5	10.56	G	228.106 474 27	−09.260 968 01		0.20	2.41	− 6.42	2.08	1.40	2.33	3.08	1.79	−10	−12	−28	+ 3	−25	− 6	−21	− 4	−11	+19		0	−1.36
74411	15 12 26.16	+52 55 48.2	7.61	H	228.109 008 75	+52.930 046 54		7.39	15.44	20.58	0.59	0.57	0.69	0.72	0.64	+ 5	−20	−13	+ 4	−21	+18	−17	+ 8	− 8	−28		0	0.02
74412	15 12 26.24	−18 05 23.8	6.86	H	228.109 353 70	−18.089 944 84		6.16	61.86	− 1.19	0.75	0.50	0.86	0.84	0.61	−33	−27	−11	+16	−13	+16	− 2	+ 2	−11	− 8		0	−0.16
74413	15 12 26.40	−15 42 54.2	7.63	H	228.109 994 55	−15.715 064 55		1.93	10.91	14.42	0.79	0.60	0.91	0.88	0.76	−36	−18	−18	+12	+ 0	+10	+ 4	−12	+11	−27		0	−0.55
74414	15 12 29.33	−30 49 35.7	8.95	H	228.122 188 73	−30.826 579 12		1.68	−20.72	− 4.63	1.39	0.98	1.46	1.62	1.17	− 1	−14	−18	+45	+ 8	+16	+13	+25	+12	+ 8		0	0.46
74415	15 12 29.66	−63 02 00.5	6.86	H	228.123 583 94	−63.033 460 83		5.82	−34.19	−34.70	0.41	0.52	0.80	0.52	0.72	+ 9	−24	−15	+23	+22	− 9	+20	+ 9	+ 5	− 1		0	−0.90
74416	15 12 29.73	−51 15 25.5	8.70	H	228.123 889 87	−51.257 092 39		3.85	− 7.30	− 4.99	0.80	0.88	1.17	0.97	1.31	−17	−21	−25	+16	−12	−32	−21	+23	+29	−57		0	1.81
74417	15 12 30.28	−35 55 07.8	8.34	H	228.126 184 88	−35.918 819 81		19.86	78.18	−51.32	1.14	0.87	1.28	1.34	1.15	−13	−14	−19	+33	− 3	+ 7	+ 2	+22	− 5	− 4		0	2.82
74418	15 12 31.23	−48 13 08.0	6.32	G	228.130 105 21	−48.218 892 26		6.92	−24.46	−40.98	0.58	0.50	0.74	0.67	0.61	−13	−35	−11	+28	+ 7	−10	+ 7	+25	− 5	− 1		0	−0.25
74419	15 12 32.69	+06 01 50.1	12.31	2 G	228.136 221 62	+06.030 578 90		7.96	−449.82	−659.24	4.32	2.31	4.41	6.08	3.37	−18	+ 2	+ 9	+41	− 1	+ 8	+ 4	−21	+18	− 8		4	−0.23
74420 H	15 12 33.36	+15 22 34.3	9.06	H	228.138 981 08	+15.376 194 62	A	10.27	− 3.35	− 9.67	4.18	2.66	4.30	4.17	4.30	+11	+ 0	−17	−25	+ 6	−19	+ 1	−29	+32	−56		1	1.12
74421	15 12 34.01	−72 46 14.0	6.02	H	228.141 696 83	−72.770 560 92		3.84	−14.43	−15.72	0.37	0.44	0.56	0.40	0.51	+ 6	−11	+ 5	− 5	+ 2	−20	+ 5	+ 3	−16	+11		0	0.34
74422	15 12 34.50	+35 58 17.9	7.85	H	228.143 754 83	+35.971 635 39		11.59	−53.37	−10.56	0.47	0.53	0.71	0.58	0.61	+22	+ 0	+ 2	+19	+12	−11	+12	+23	− 6	+21		0	1.92
74423	15 12 35.07	−20 56 49.9	9.22	H	228.146 115 98	−20.947 203 24		17.37	−84.08	−109.76	1.25	0.99	1.57	1.41	1.38	−25	−23	−25	+ 9	+ 8	−14	− 3	− 8	+35	−35		0	0.31
74424	15 12 36.97	+54 01 16.2	8.55	H	228.154 060 90	+54.021 161 67		6.54	30.93	14.67	0.64	0.62	0.74	0.74	0.71	+ 6	−10	− 7	+ 0	−15	− 6	−16	+ 0	+ 6	−15		2	0.79
74425	15 12 37.49	−00 22 53.7	7.23	H	228.156 194 07	−00.381 576 64		4.89	3.24	− 7.08	0.81	0.52	0.85	0.88	0.63	−21	−27	+ 3	+27	− 8	+ 4	− 6	−11	− 2	−19		0	3.31
74426 H	15 12 38.85	−49 53 45.3	9.20	H	228.161 872 60	−49.895 924 71	A	11.00	92.19	32.72	1.80	1.67	2.05	1.95	1.98	−26	−22	−10	+12	+14	− 4	+14	+17	− 1	− 4		0	−0.30
74427	15 12 40.50	+08 56 04.9	10.86	H	228.168 762 88	+08.934 708 20		1.96	−24.74	−14.66	2.60	1.41	2.82	3.61	2.32	− 3	−40	− 8	+33	− 9	− 9	−12	−13	+25	+ 7		0	−0.72
∗74428 H	15 12 40.62	+60 08 04.9	8.82	H	228.169 232 20	+60.134 707 44	∗	4.91	−18.99	3.34	1.22	1.20	0.98	0.98	1.26	+ 2	−20	−10	+10	− 1	− 3	+ 1	+24	−12	− 9		1	−0.77
∗74429	15 12 40.53	−60 05 29.8	7.62	H	228.168 867 49	−60.091 602 02		4.77	43.21	−19.97	0.68	0.64	0.93	0.75	0.80	+16	−35	−14	− 7	+ 1	−12	− 2	− 4	+ 0	+20		0	0.11
74430	15 12 40.83	−12 23 13.5	9.27	H	228.170 140 32	−12.387 093 59		7.97	−22.56	−25.58	1.27	0.93	1.67	1.49	1.44	−38	−14	−28	+14	+13	+ 6	+13	−39	+43	−31		0	0.71
74431	15 12 41.91	−14 41 38.1	8.08	H	228.174 644 82	−14.693 919 32		10.57	−70.42	− 6.87	1.03	0.77	1.38	1.85	1.33	−36	+ 9	−34	− 4	+ 7	−38	+ 1	−27	+42	−32		0	−2.11
∗74432	15 12 43.85	+19 17 07.2	6.69	G	228.182 703 88	+19.285 326 29	A	35.14	−595.31	288.53	2.53	1.66	1.91	2.97	2.21	+29	− 9	+ 9	−42	−30	− 2	−32	−42	− 8	+10	16	1.54
∗74433 H	15 12 43.76	+48 34 50.4	7.16	H	228.182 317 30	+48.580 672 64	A	6.98	−19.89	43.55	0.72	0.67	0.75	0.79	0.74	+ 4	+ 3	+13	+17	− 2	− 4	− 1	+ 7	−14	+ 7		2	0.57
74434	15 12 44.14	+19 17 30.3	7.71	H	228.183 928 88	+19.291 746 70	B	27.79	−589.29	282.27	8.38	5.36	4.98	7.01	5.65	+21	−15	+ 3	−40	−27	+ 7	−31	−36	+ 1	+10	16	1.54
74435	15 12 45.13	+03 32 38.7	7.77	G	228.188 033 15	+03.544 090 24		9.79	−90.36	36.31	0.89	0.54	0.95	0.97	0.68	−18	−28	−11	+38	− 6	+13	− 6	−23	+ 6	−22		0	0.43
74436	15 12 45.37	−46 53 44.4	8.79	H	228.189 049 99	−46.895 678 71		3.69	− 5.24	− 8.16	0.93	0.73	1.13	0.88	0.86	− 9	−26	− 5	− 3	+ 8	−19	+ 8	+ 0	− 3	− 6		2	−0.98
∗74437	15 12 45.63	+19 05 42.8	7.26	H	228.190 126 19	+19.095 223 68		2.23	−23.50	−12.53	0.77	0.51	0.86	1.04	0.72	+20	−15	+11	−20	−28	+ 8	−29	−22	− 4	+16		3	0.78
∗74438 H	15 12 45.55	−60 23 36.6	7.55	G	228.189 774 93	−60.393 501 76	A	10.70	− 6.98	−27.74	1.18	1.02	1.40	1.10	1.12	+20	−40	−15	− 3	+ 5	−20	− 2	− 8	+10	+16		3	1.58
74439	15 12 45.92	+27 55 15.2	9.35	G	228.191 321 97	+27.920 892 25		16.01	7.13	−131.25	1.35	1.02	1.53	1.69	1.41	−20	−28	+ 8	+38	− 4	−20	− 5	+13	− 3	−36		3	1.73
74440	15 12 46.78	+44 16 17.3	9.21	2 H	228.194 935 29	+44.271 460 75		1.55	7.18	−14.51	0.77	0.71	0.92	0.95	0.92	+11	+ 5	− 3	+ 2	− 5	+ 5	− 5	− 8	+ 1	+ 8		0	1.70
74441	15 12 47.19	+10 42 08.9	6.50	1 H	228.196 644 84	+10.702 468 28		4.87	−38.87	−67.32	0.79	0.42	0.75	0.83	0.65	+20	−26	− 5	+44	+ 9	+ 0	+ 0	+ 4	+ 6	− 2		0	−0.21
74442	15 12 47.73	+27 55 36.7	8.38	G	228.198 890 53	+27.926 867 49		14.69	9.63	−131.12	0.92	0.70	1.07	1.10	0.93	−17	−31	+10	+36	− 3	−24	− 2	+13	− 1	−31		0	2.25
74443	15 12 47.75	−01 09 55.4	9.28	G	228.198 975 23	−01.165 401 13		24.37	−221.44	−290.17	1.37	0.81	1.45	1.50	0.97	−26	−36	+10	+29	−13	+12	−13	−12	+11	−14		0	1.02
74444	15 12 47.76	+06 48 07.4	9.02	H	228.199 009 62	+06.802 052 87		5.81	57.88	−96.39	1.52	0.77	1.85	1.41	1.26	− 6	−61	−10	+33	− 2	−20	−33	−28	+45	−26		2	−1.26
74445	15 12 49.02	+07 23 58.9	8.73	G	228.204 262 29	+07.399 696 26		3.99	−27.92	4.17	1.30	0.69	1.35	1.35	1.03	− 2	−40	− 2	+23	−16	−15	−29	−19	+20	−11		0	0.33
74446	15 12 49.28	−62 39 29.6	9.19	H	228.205 343 53	−62.658 215 90		3.90	38.41	−20.49	0.75	0.95	1.34	0.91	1.16	− 3	−20	− 3	+48	+17	− 9	+18	+22	− 8	− 3		0	−0.63
74447 H	15 12 49.38	−52 01 44.7	7.36	H	228.205 758 96	−52.029 094 86	A	4.42	− 8.00	− 7.47	1.09	0.96	1.27	1.11	1.20	+15	−13	−33	+11	+11	−14	+ 7	+ 8	+ 7	+ 2		1	0.37
74448	15 12 49.52	−54 45 19.0	9.68	3 H	228.206 326 00	−54.755 266 60		−0.24	− 3.93	− 2.70	2.32	2.01	3.08	2.78	2.75	− 2	−20	−26	+11	+20	−29	+11	− 5	+24	−11		0		
74449	15 12 49.60	−44 30 01.3	4.83	H	228.206 686 41	−44.500 359 65		7.18	−20.49	−22.20	0.54	0.55	0.72	0.63	0.80	−41	−21	−25	− 2	+10	−12	+11	+ 0	− 1	−60		0	1.77
74450	15 12 50.58	+31 20 24.2	8.78	H	228.210 752 58	+31.340 045 27		3.63	−10.45	17.85	0.54	0.69	1.08	0.59	0.76	+28	+ 2	+ 5	+10	+ 3	−10	+ 3	+12	−11	+18		0	−0.24
74451	15 12 50.92	+75 28 16.1	7.95	2 H	228.212 181 66	+75.471 146 64		1.74	− 5.88	2.86	0.53	0.59	0.62	0.60	0.69	+15	−20	−30	−13	− 7	+ 3	− 6	+ 3	− 1	+ 6		0	2.45
74452	15 12 51.77	+19 48 27.3	8.60	H	228.215 687 94	+19.807 587 26		4.21	20.16	−18.03	0.69	0.81	1.17	0.84	1.00	−14	− 8	+18	+ 3	−10	+10	− 6	− 1	−23	−16		0	−0.81
74453	15 12 53.87	+69 20 02.6	8.63	H	228.224 441 32	+69.334 061 80		2.29	− 7.06	− 4.58	0.68	0.77	0.80	0.68	0.81	+14	−27	−30	− 4	−19	+ 9	−19	− 8	+ 3	− 8		0	−0.29
74454	15 12 54.64	−44 57 31.5	7.89	H	228.227 683 80	−44.958 744 89		2.13	− 7.73	− 2.27	0.72	0.74	1.00	1.00	1.22	−41	−15	−15	+17	−14	−26	+16	+27	+16	−64		4	0.38
74455	15 12 55.77	−19 17 33.7	9.07	H	228.232 358 02	−19.292 691 93		2.76	−23.49	−11.05	1.18	0.92	1.54	1.40	1.03	−14	−22	−45	+ 6	− 9	+17	+ 0	− 5	+ 5	−11		0	0.00
74456	15 12 55.95	−79 43 06.6	8.36	H	228.233 127 63	−79.718 508 84		2.04	1.83	0.45	0.59	0.67	0.76	0.59	0.77	+25	−16	− 1	− 5	−10	− 7	−12	− 8	+ 6	+30		0	2.47
74457	15 12 57.37	+20 18 27.7	8.92	H	228.239 051 55	+20.307 699 96		7.69	11.92	− 8.99	0.72	0.74	1.20	0.90	1.06	−20	−14	+20	+42	+ 1	− 4	− 4	− 2	+ 1	−32		0	−0.60
74458 H	15 12 57.92	+56 02 47.2	7.50	H	228.241 330 43	+56.046 440 26	A	9.15	−13.39	− 1.49	0.68	0.66	0.72	0.64	0.68	+ 8	−14	− 4	−11	−22	− 6	−20	+ 0	+ 6	−29		5	0.73
74459	15 12 58.05	+14 48 14.2	9.04	H	228.241 862 71	+14.803 931 51		4.08	21.56	−21.37	0.98	0.68	1.30	1.23	1.22	−15	+ 4	−21	−34	+10	−10	+ 3	−37	+29	−49		0	1.70
74460	15 12 58.27	+24 44 46.7	9.11	H	228.242 802 51	+24.746 298 86		3.08	6.60	−74.87	0.87	0.87	1.34	1.13	1.19	−18	− 3	−30	+27	+23	−36	− 1	−19	+18	−58		1	−0.71
74461	15 12 59.22	−51 58 21.9	7.26	H	228.246 734 63	−51.972 744 53		3.02	− 5.66	−34.39	0.66	0.63	0.90	0.78	0.92	− 8	−24	−23	+13	− 5	−23	−12	+16	+17	−40		0	1.36
74462	15 12 59.34	+41 12 45.3	9.09	H	228.247 229 63	+41.212 590 92		2.15	11.63	6.27	0.71	0.75	0.93	0.81	0.90	+20	− 9	−15	+11	− 1	+ 3	− 2	+ 6	− 9	+ 1		0	−1.57
74463	15 13 00.19	−38 50 40.9	8.79	G	228.250 802 50	−38.844 683 10		1.99	−33.00	−12.33	1.09	0.75	1.24	1.65	1.15	−24	−12	+ 7	− 1	+ 0	−15	− 2	+ 6	−14	+29		0	−0.85
74464	15 13 00.32	−03 41 33.5	8.01	G	228.251 321 53	−03.692 632 81		12.11	−97.55	−48.45	0.96	0.79	1.17	1.10	0.94	−37	−31	−22	+19	− 2	− 1	− 4	−32	+17	−41		2	−0.64
∗74465	15 13 00.36	+49 46 30.8	7.26	H	228.251 499 58	+49.775 217 34		3.98	−10.92	7.21	0.53	0.54	0.62	0.62	0.66	+ 3	− 6	− 3	− 2	+ 9	+ 7	+11	− 5	−13	+ 0		0	−1.10
∗74466	15 13 00.33	+83 02 04.0	11.62	H	228.251 387 89	+83.034 433 00		19.36	−354.09	218.63	1.73	1.73	1.90	1.71	2.08	+ 4	−23	−16	−20	+ 9	− 8	+11	+27	−11	+ 2		0	0.55
74467	15 13 00.42	−43 08 41.5	9.65	H	228.251 763 16	−43.144 859 04		16.47	−111.38	−82.89	1.29	1.38	1.68	1.52	1.56	− 9	−23	−36	+27	+26	− 4	+20	− 2	+10	−25		0	1.55
∗74468 H	15 13 01.08	−37 14 47.8	7.31	H	228.254 518 70	−37.246 617 67	A	9.97	−17.61	−21.22	1.76	1.23	1.76	1.73	1.74	−31	−13	+ 7	+ 4	+ 0	+10	− 2	+ 9	+11	− 4		5	1.57
∗74469 H	15 13 00.65	−30 44 53.2	8.89	H	228.252 710 31	−30.748 123 76	A	8.49	−83.12	−35.04	5.74	4.20	1.90	1.89	1.70	−44	− 8	−18	+19	− 9	+15	− 3	+24	−24	−23		0	0.31
∗74470	15 13 01.03	−61 44 37.6	6.27	1 H	228.254 282 58	−61.743 764 11		0.43	− 4.82	− 6.50	0.53	0.54	0.74	0.59	0.63	+12	−32	−14	+49	+35	−21	+32	+16	+ 2	+13		0	−0.47
74471	15 13 03.29	+09 34 41.3	8.32	2 H	228.263 694 73	+09.578 132 79		2.99	−10.43	−15.67	1.21	0.65	1.40	1.89	1.22	+19	−29	− 6	+15	−16	−25	−25	−22	+30	+14		0	1.52
74472	15 13 03.35	+57 03 05.7	10.21	H	228.263 965 76	+57.051 589 84		4.55	− 3.90	23.98	0.99	0.95	1.12	1.01	1.02	+ 5	− 7	+ 1	−34	− 4	+ 1	+ 0	−23	−10	−31		1	−0.19
74473 H	15 13 03.76	−39 57 44.1	9.82	H	228.265 675 45	−39.962 254 95	A	1.51	−19.02	2.99	2.22	1.43	2.23	1.72	1.85	−29	−26	− 4	− 4	−10	− 4	− 3	+10	−33	−11		2	−0.28
74474	15 13 03.86	+08 51 29.2	10.96	2 H	228.266 099 37	+08.858 122 13		−1.48	− 3.44	− 2.83	2.57	1.33	2.64	3.59	2.28	− 1	−31	+ 3	+39	− 5	−20	− 7	− 7	+19	+ 2		2	0.58
74475	15 13 04.59	−09 49 40.9	8.86	H	228.269 128 38	−09.828 020 26		4.56	17.02	−28.99	1.21	0.89	1.36	1.56	1.08	−24	−16	−24	+24	−29	+16	−19	+26	−24	− 1		0	1.23
74476	15 13 05.44	−76 17 20.1	8.51	H	228.272 663 51	−76.288 918 84		8.96	− 7.09	− 4.99	0.58	0.71	0.85	0.62	0.77	+17	−18	+ 6	− 7	+17	− 1	+11	+35	+ 9	+28		0	−0.35
74477	15 13 06.24	−21 58 38.6	11.29	H	228.275 994 70	−21.977 397 97		15.52	−727.54	−79.17	2.60	1.95	2.95	3.46	2.61	−10	− 6	−21	+13	+ 5	+ 3	+ 5	− 1	+19	+ 0		0	−1.67
74478	15 13 06.91	+18 08 09.8	10.17	H	228.278 777 58	+18.136 064 32		12.35	4.43	−50.41	3.64	2.24	4.04	4.52	3.38	+16	−20	+ 0	−31	−14	+ 4	−15	−37	− 8	− 2		0		
74479	15 13 07.68	−36 05 28.9	6.09	G	228.281 993 35	−36.091 369 73		9.00	−22.90	−22.85	0.70	0.56	0.83	0.78	0.80	−34	−21	−15	+25	−17	+ 7	−15	+32	+ 3	−41		0	0.83
74480	15 13 08.31	+65 46 45.5	8.98	H	228.284 640 81	+65.779 314 74		2.85	1.60	18.90	0.64	0.72	0.74	0.66	0.87	+15	−21	−23	−18	− 8	− 7	−13	−10	+13	+ 8		0	−0.47
74481	15 13 09.34	+01 52 47.9	9.10	H	228.288 925 22	+01.879 969 94		2.90	−30.13	3.03	1.26	0.82	1.43	1.54	1.14	−30	−21	+ 1	+24	− 5	+15	+ 2	−35	+ 1	−19		0	0.83
74482	15 13 09.95	−33 19 30.4	8.53	H	228.291 445 99	−33.325 122 32		2.77	8.74	− 0.93	1.03	0.77	1.18	1.08	0.92	+ 1	−21	−23	− 1	− 6	+ 5	− 4	+ 9	− 2	− 7		0	0.17
74483	15 13 10.52	−04 39 56.2	8.54	H	228.293 831 38	−04.665 620 91		3.91	6.85	3.04	1.18	0.85	1.25	1.27	0.97	−42	−32	+ 6	+24	−34	− 8	−28	+12	−10	−32		0	0.22
74484	15 13 10.80	−65 42 24.0	8.97	H	228.295 002 44	−65.706 658 33		−0.81	− 0.95	− 6.91	0.73	0.81	1.18	0.92	1.04	+31	−11	− 4	+33	+20	−14	+21	+25	+ 2	+46		0	−0.14
74485	15 13 13.08	−47 11 23.8	10.36	H	228.304 482 94	−47.189 956 79		5.31	−15.47	− 3.54	1.41	1.32	2.02	1.96	1.83	−32	−11	− 6	+ 0	+17	+11	+17	−17	− 4	−36		0	0.97
74486	15 13 13.32	−32 26 38.4	10.08	H	228.305 518 03	−32.443 990 17		9.53	18.71	19.92	1.51	1.09	1.74	1.39	1.18	+ 8	−30	−37	− 6	+ 0	− 7	− 4	+ 7	+ 5	−11		3	1.48
74487	15 13 14.50	+38 39 55.5	8.08	G	228.310 405 30	+38.665 407 70		2.32	18.05	−20.70	0.61	0.68	0.85	0.71	0.83	+12	+ 1	− 6	− 7	− 6	− 5	− 7	−12	+10	+ 4		0	−1.36
74488	15 13 14.78	−11 00 25.1	6.65	H	228.311 599 74	−11.006 981 61		12.24	−53.23	−40.29	0.87	0.64	0.96	0.88	0.73	−30	−32	−21	+37	−27	+18	−17	+39	−15	−35		0	−0.93
74489	15 13 17.13	+45 50 16.0	9.08	G	228.321 361 43	+45.837 787 64		5.07	− 9.39	11.82	0.72	0.76	0.89	0.83	0.96	+30	−12	−22	+10	+ 4	+ 4	+ 4	+12	+ 6	+34		0	0.47
74490	15 13 17.43	−24 00 29.8	6.47	H	228.322 608 26	−24.008 273 51		7.91	−22.93	−19.97	0.87	0.64	0.94	1.44	1.01	−20	+ 2	−17	− 4	−19	−23	−31	+29	− 2	+ 5		0	0.33
74491	15 13 17.47	+12 27 25.5	9.49	G	228.322 803 03	+12.457 087 12		−2.11	−27.84	3.03	0.97	0.72	1.37	1.00	1.07	− 6	−28	+ 1	−41	− 1	+27	−11	−35	− 2	−40		3	0.57
74492 H	15 13 17.61	−20 15 15.1	9.09	H	228.323 379 03	−20.254 189 47	A	10.79	21.59	−60.88	2.84	1.74	2.52	2.45	1.95	−23	−27	−23	+ 1	+ 2	− 7	− 6	−19	+31	+ 5		0	−0.08
74493	15 13 19.22	−19 38 50.8	6.07	G	228.330 076 40	−19.647 454 18		14.89	−48.01	−48.64	0.80	0.60	0.93	1.00	0.70	−16	−26	−27	+ 9	−18	+21	−11	+18	− 5	− 2		3	1.14
74494	15 13 19.41	+08 14 42.5	8.59	H	228.330 860 95	+08.245 139 91		1.20	− 4.95	11.01	1.29	0.77	1.41	1.64	1.16	−11	−28	− 1	+26	−12	−23	−18	−19	+11	−16		0	−1.82
∗74495	15 13 22.03	−69 27 01.3	9.04	H	228.341 771 02	−69.450 351 01		2.92	−20.04	−57.24	0.69	0.89	1.14	0.85	1.12	+27	−15	−23	+ 2	+ 6	− 7	+ 5	+24	+14	+32		0	0.18
∗74496	15 13 22.02	+13 16 24.2	8.76	H	228.341 768 70	+13.273 376 54		7.25	−62.61	−10.10	0.83	0.61	1.22	0.92	1.04	−20	−37	− 5	−26	+ 3	+18	−13	−26	+25	−44		0	1.65
74497	15 13 25.15	−70 40 23.2	8.41	H	228.354 792 98	−70.673 102 14

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
74401	7.366	0.007	7.377	0.007		−0.008	0.009	T	0.01	0.01	L	7.3986	0.0010	0.008	87		7.38	7.41		C			1							S
74402	10.321	0.034	9.627	0.029		0.628	0.034	T	0.70	0.03	L	9.7027	0.0028	0.020	90		9.66	9.74		C			1							
74403	9.775	0.012	8.482	0.007		1.100	0.011	T	1.06	0.01	L	8.5236	0.0017	0.020	265		8.49	8.56					1							S
74404	8.976	0.012	7.824	0.008		0.997	0.010	G	0.98	0.01	H	7.8847	0.0016	0.016	144		7.86	7.92					1							S
74405	10.483	0.029	9.516	0.020		0.837	0.027	T	0.86	0.02	L	9.5583	0.0036	0.040	153		9.50	9.61		U 2			1							
74406	10.134	0.037	9.574	0.036		0.589	0.015	G	0.66	0.01	H	9.6482	0.0026	0.019	64		9.62	9.68		C			1							
74407	10.032	0.026	9.231	0.020		0.725	0.025	T	0.78	0.02	L	9.3366	0.0018	0.019	108		9.31	9.38		C			1							S
74408	8.961	0.011	8.430	0.011		0.498	0.014	T	0.57	0.01	L	8.4878	0.0016	0.014	104		8.46	8.51		C			1							
74409	9.048	0.014	8.566	0.013		0.454	0.017	T	0.52	0.02	L	8.6161	0.0014	0.015	115		8.59	8.65		C	15124+6659	I 1	1							S
74410	11.904	0.180	10.771	0.108		1.440	0.020	G	1.44	0.03	I	10.6909	0.0045	0.028	56		10.63	10.75		C			1							G
74411	9.095	0.013	7.738	0.008		1.150	0.012	T	1.11	0.01	L	7.7789	0.0009	0.012	113		7.76	7.81					1							S
74412	8.105	0.009	6.974	0.006		0.973	0.008	T	0.96	0.01	L	7.0227	0.0010	0.008	102		7.01	7.04					1							S
74413	9.629	0.021	7.791	0.009		1.529	0.018	T	1.57	0.04	L	7.7497	0.0019	0.014	87		7.73	7.77					1							S
74414	10.640	0.050	9.098	0.023		1.295	0.043	T	1.25	0.04	L	9.1103	0.0020	0.018	64		9.08	9.14		C			1							
74415	8.692	0.010	7.011	0.005		1.410	0.015	G	1.39	0.02	H	6.9995	0.0008	0.008	172		6.99	7.02					1							S
74416	9.258	0.017	8.741	0.017		0.486	0.022	T	0.56	0.02	L	8.8131	0.0020	0.021	95		8.78	8.85		C			1							
74417	9.135	0.017	8.419	0.015		0.645	0.017	T	0.71	0.01	L	8.4774	0.0022	0.018	62		8.45	8.52					1 S							
74418	7.768	0.008	6.455	0.005		1.115	0.000	G	1.08	0.00	H	6.4961	0.0006	0.007	97		6.49	6.51					1							S
74419						0.764	0.016	G	0.81	0.01	H	12.5065	0.0196	0.099	60		12.22	12.69		U 2			1							G
74420	9.368	0.026	8.760	0.022	*	0.567	0.030	T	0.64	0.03	L *	9.1868	0.0022	0.026	146	*	9.15	9.23		D	15126+1523	I 1	2 C A	AB	233	2.448	0.013	0.22	0.05	
74421	6.011	0.002	6.018	0.003		−0.002	0.003	T	0.02	0.00	L	6.0311	0.0006	0.007	162		6.02	6.04		C			1							S
74422	8.332	0.008	7.902	0.007		0.406	0.010	T	0.47	0.01	L	7.9454	0.0011	0.014	190		7.93	7.97			15126+3558	I 1	1							S
74423	10.327	0.044	9.284	0.031		0.906	0.040	T	0.91	0.03	L	9.3781	0.0037	0.023	55		9.34	9.42					1							
74424	9.342	0.015	8.624	0.013		0.660	0.016	T	0.72	0.01	L	8.6912	0.0015	0.014	114		8.67	8.71			15126+5401	I 1	1 S							S P
74425	9.383	0.020	7.432	0.009		1.618	0.017	T	1.64	0.02	L	7.3431	0.0026	0.015	80		7.32	7.37					1							S
74426	10.108	0.029	9.313	0.023	A	1.100	0.495	G	0.51	0.12	S *	9.3029	0.0031	0.027	96	*	9.27	9.35		R	15126−4954	I 1	2 C A	AB	296	1.750	0.019	2.05	0.07	
74427	11.541	0.117	10.985	0.124		0.625	0.126	G	0.69	0.11	R	10.9921	0.0048	0.029	62		10.91	11.06		C			1							G
74428	9.220	0.014	8.854	0.014	*	0.347	0.019	T	0.41	0.03	L *	8.9049	0.0022	0.018	107	*	8.88	8.95		D	15127+6008	I 1	2 C A	AB	336	0.247	0.004	0.47	0.08	S
74429	9.089	0.015	7.761	0.009		1.127	0.014	T	1.09	0.01	L	7.7922	0.0016	0.014	102		7.77	7.81					1							
74430	9.906	0.035	9.249	0.032		0.600	0.035	T	0.67	0.03	L	9.3995	0.0027	0.013	59		9.38	9.43					1							
74431	8.567	0.013	8.132	0.013		0.424	0.015	T	0.49	0.02	L	8.1765	0.0017	0.011	70		8.16	8.19		C	15127−1442	I 1	1							S
74432	7.487	0.007	6.716	0.007	A	0.680	0.000	G	0.74	0.00	H	6.8289	0.0102	0.067	123	A	6.67	6.93		D	15127+1917	I 2	1 C P A							S
74433	8.647	0.010	7.276	0.006	*	1.161	0.009	T	1.12	0.01	L *	7.3279	0.0008	0.010	116	*	7.31	7.35		D	15127+4835	I 1	2 C A	AC	310	0.746	0.016	3.43	0.09	S
74434	8.397	0.012	7.555	0.010	B	0.743	0.005	G	0.79	0.00	H	7.7294	0.0171			B				D	15127+1917	I 2	1 C I A							S
74435	8.344	0.010	7.795	0.009		0.505	0.015	G	0.58	0.02	H	7.8747	0.0013	0.017	100		7.85	7.90					1							S
74436	10.000	0.025	8.904	0.017		0.947	0.023	T	0.94	0.02	L	8.9554	0.0026	0.019	89		8.92	8.99					1							
74437	9.097	0.014	7.401	0.007		1.416	0.012	T	1.40	0.02	L	7.3979	0.0013	0.012	130		7.38	7.42					1							S
74438	8.048	0.011	7.523	0.011	*	0.475	0.015	G	0.55	0.02	H *	7.6081	0.0016	0.011	99	*	7.58	7.63		D	15128−6024	I 1	2 C A	AB	31	7.443	0.029	3.09	0.11	S
74439	10.181	0.031	9.322	0.023		0.704	0.001	G	0.76	0.00	H	9.4828	0.0023	0.027	105		9.42	9.53		D	15128+2756	I 2	1 S							
74440	11.231	0.052	9.421	0.019		1.537	0.046	T	2.19	0.11	O	9.2736	0.0050	0.052	125		9.18	9.35		U 2			1							
74441	8.157	0.009	6.641	0.005		1.274	0.008	T	1.23	0.01	L	6.6566	0.0019	0.014	108		6.64	6.68		U 2			1							S
74442	9.094	0.014	8.408	0.012		0.601	0.015	G	0.67	0.01	H	8.4753	0.0017	0.017	108		8.43	8.50		D	15128+2756	I 2	1							S
74443	10.247	0.037	9.379	0.028		0.772	0.002	G	0.86	0.00	A	9.4264	0.0028	0.019	75		9.39	9.46		C			1							
74444	9.771	0.025	9.122	0.023		0.602	0.029	T	0.67	0.03	L	9.1534	0.0025	0.018	68		9.12	9.18		C			1 S							
74445	9.275	0.020	8.755	0.019		0.484	0.020	G	0.56	0.02	H	8.8392	0.0021	0.018	71		8.80	8.87					1							S
74446	9.993	0.021	9.276	0.017		0.645	0.020	T	0.71	0.02	L	9.3284	0.0027	0.023	140		9.29	9.37					1							
74447	7.581	0.018	7.589	0.018	A	0.200	0.495	G	0.01	0.02	L *	7.3671	0.0018	0.011	85	*	7.35	7.39		D	15128−5202	I 1	2 C A	AB	216	2.112	0.003	1.23	0.02	S
74448	11.479	0.097	9.858	0.038		1.373	0.076	T	1.38	0.08	L	9.8140	0.0262	0.220	78		9.52	10.04	8.22	P 1 A			1 X							G
74449	4.600	0.002	4.790	0.003		−0.177	0.011	G	−0.19	0.02	A	4.7615	0.0009	0.006	79		4.75	4.77					1							S
74450	10.507	0.068	8.909	0.030		1.339	0.059	T	1.30	0.07	L	8.9376	0.0019	0.021	246		8.90	8.97					1							
74451	10.140	0.026	8.166	0.010		1.673	0.023	T	2.20	0.06	O	8.0163	0.0049	0.045	116		7.93	8.09		U 2 C			1							S
74452	9.775	0.018	8.711	0.013		0.922	0.017	T	0.92	0.01	L	8.7639	0.0017	0.018	151		8.73	8.80		C			1 G							S
74453	10.090	0.024	8.758	0.014		1.130	0.022	T	1.09	0.02	L	8.7988	0.0023	0.021	118		8.76	8.83					1							
74454	9.085	0.018	7.991	0.012		0.945	0.017	T	0.94	0.01	L	8.0536	0.0011	0.013	88		8.03	8.08		C			1							S
74455	11.019	0.078	9.246	0.029		1.477	0.066	T	1.49	0.10	L	9.1952	0.0022	0.018	54		9.17	9.22		D			1							
74456	10.126	0.021	8.526	0.011		1.341	0.019	T	1.31	0.02	L	8.5120	0.0015	0.015	155		8.49	8.54					1							
74457	9.360	0.014	8.976	0.014		0.364	0.018	T	0.43	0.02	L	9.0027	0.0017	0.019	154		8.97	9.03		C			1							S
74458	7.745	0.007	7.528	0.008	A	0.100	0.495	G	0.16	0.01	L *	7.5492	0.0013	0.010	104	*	7.53	7.56		D	15130+5603	I 1	2 C A	AB	245	3.426	0.020	3.68	0.11	S
74459	10.339	0.026	9.168	0.016		1.090	0.015	G	1.05	0.02	H	9.2122	0.0020	0.024	153		9.17	9.26					1							
74460	9.681	0.018	9.179	0.017		0.472	0.022	T	0.54	0.02	L	9.2128	0.0025	0.026	124		9.17	9.27					1							S
74461	9.283	0.033	7.416	0.015		1.552	0.029	T	1.57	0.03	L	7.3780	0.0011	0.013	83		7.35	7.40					1							
74462	9.375	0.013	9.095	0.015		0.266	0.019	T	0.30	0.02	L	9.1597	0.0020	0.025	151		9.12	9.21					1							
74463	9.331	0.017	8.855	0.016		0.473	0.015	G	0.54	0.02	H	8.8882	0.0023	0.021	91		8.85	8.92		C			1							
74464	8.852	0.018	8.048	0.014		0.699	0.015	G	0.76	0.01	H	8.1320	0.0018	0.010	61		8.11	8.15		C			1							S
74465	8.782	0.010	7.379	0.006		1.186	0.009	T	1.15	0.01	L	7.4201	0.0011	0.010	122		7.40	7.44		C			1							S
74466											T	11.7313	0.0058	0.055	98		11.64	11.81					1							G
74467	10.689	0.044	9.689	0.029		0.863	0.041	T	0.88	0.03	L	9.7896	0.0026	0.020	87		9.76	9.82		C			1 G							G
74468	7.576	0.007	7.288	0.008	*	0.273	0.012	T	0.31	0.01	L *	7.3826	0.0013	0.014	120	*	7.36	7.42		D	15130−3715	I 1	2 C A	AB	227	6.444	0.003	0.03	0.01	S
74469	9.820	0.029	8.958	0.023	*	0.756	0.028	T	0.80	0.02	L *	9.0273	0.0024	0.016	62	*	9.00	9.06		D	15130−3045	H 1	2 C B	AB	304	0.310	0.043	2.45	0.40	
74470	8.752	0.012	6.523	0.005		1.901	0.001	G	1.76	0.05	F	6.3661	0.0015	0.013	111		6.35	6.38		U 2			1							S
74471	9.710	0.021	8.443	0.013		1.079	0.019	T	1.04	0.02	L	8.4873	0.0047	0.036	97		8.41	8.53		U 2			1							
74472	10.998	0.050	10.183	0.040		0.736	0.049	T	0.78	0.04	L	10.3613	0.0031	0.024	90		10.33	10.41		C			1							
74473	11.024	0.055	9.908	0.034	*	0.954	0.051	T	0.94	0.04	L *	9.9699	0.0023	0.023	90	*	9.94	10.02		D	15131−3958	H 1	2 C D	AB	111	0.638	0.089	3.38	0.28	G D
74474						0.625	0.126	G	0.69	0.11	R	11.0883	0.0050	0.048	73		10.93	11.15		U			1							G
74475	9.554	0.026	8.975	0.024		0.541	0.031	T	0.61	0.03	L	8.9774	0.0026	0.016	62		8.95	9.00			15131−0950	I 1	1 S							S
74476	9.032	0.012	8.554	0.012		0.463	0.013	T	0.53	0.01	L	8.6158	0.0013	0.016	144		8.58	8.64		C			1							
74477						1.250	0.020	G	1.41	0.03	I	11.4009	0.0111	0.050	55		11.31	11.49					1							G
74478	11.164	0.051	10.224	0.036		0.830	0.046	T	0.85	0.03	L	10.3168	0.0032	0.034	136		10.25	10.37		C			1 X							
74479	5.979	0.004	6.076	0.004		−0.081	0.005	G	−0.06	0.01	H	6.0701	0.0007	0.006	84		6.06	6.08					1							S
74480	10.381	0.033	9.076	0.018		1.109	0.029	T	1.07	0.03	L	9.1445	0.0014	0.016	117		9.11	9.17		C			1							
74481	10.519	0.049	9.214	0.027		1.109	0.044	T	1.07	0.05	L	9.2685	0.0034	0.023	75		9.21	9.30					1							
74482	9.989	0.027	8.673	0.016		1.118	0.025	T	1.08	0.03	L	8.6994	0.0017	0.018	65		8.67	8.73					1							
74483	8.903	0.018	8.581	0.019		0.306	0.024	T	0.35	0.03	L	8.6138	0.0028	0.018	62		8.59	8.64					1							S
74484	10.595	0.031	9.092	0.015		1.264	0.027	T	1.22	0.03	L	9.1303	0.0020	0.024	186		9.08	9.17					1							
74485	11.011	0.057	10.407	0.054		0.563	0.069	T	0.64	0.06	L	10.4897	0.0042	0.041	94		10.42	10.56			15132−4711	I 1	1 G							G
74486	10.850	0.057	10.150	0.051		0.633	0.058	T	0.70	0.05	L	10.2102	0.0050	0.024	66		10.18	10.25					1							G
74487	9.443	0.014	8.193	0.009		1.070	0.015	G	1.03	0.01	H	8.2510	0.0015	0.019	152		8.23	8.29					1							S
74488	6.919	0.005	6.669	0.006		0.238	0.007	T	0.27	0.01	L	6.7160	0.0014	0.007	58		6.71	6.73					1							S
74489	9.431	0.015	9.071	0.016		0.371	0.015	G	0.43	0.02	H	9.1405	0.0022	0.020	118		9.11	9.19					1							
74490	6.426	0.007	6.459	0.007		−0.026	0.009	T	0.00	0.01	L	6.4674	0.0012	0.007	46		6.46	6.48		C			1							S
74491	11.237	0.047	9.530	0.018		1.388	0.015	G	1.36	0.02	I	9.5813	0.0019	0.022	157		9.55	9.62					1							
74492	9.844	0.033	9.199	0.030	*	0.592	0.033	T	0.66	0.03	L *	9.2218	0.0020	0.015	58	*	9.19	9.24		D	15133−2015	I 1	2 C A	AB	281	0.556	0.012	1.61	0.07	
74493	6.225	0.006	6.093	0.006		0.124	0.001	G	0.14	0.00	H	6.1143	0.0012	0.007	54		6.10	6.13					1							S
74494	10.729	0.047	8.785	0.017		1.613	0.040	T	1.63	0.04	L	8.7081	0.0035	0.021	75		8.67	8.74					1							
74495	9.222	0.012	9.053	0.014		0.154	0.018	T	0.17	0.02	L	9.0991	0.0025	0.029	175		9.07	9.15					1							
74496	9.526	0.015	8.813	0.012		0.656	0.016	T	0.72	0.01	L	8.8968	0.0018	0.022	178		8.86	8.94					1							S
74497	10.336	0.026	8.597	0.011		1.450	0.022	T	1.45	0.04	L	8.5490	0.0021	0.021	169		8.51	8.59					1							
74498	10.819	0.078	10.073	0.061		0.590	0.020	G	0.66	0.02	H	10.1094	0.0037	0.024	43		10.07	10.15		C			1							G
74499	9.320	0.022	8.844	0.022		0.461	0.024	T	0.53	0.03	L	8.8753	0.0017	0.019	62		8.85	8.92					1							
74500	7.329	0.007	6.547	0.006		0.691	0.020	G	0.71	0.02	A	6.6023	0.0009	0.006	53		6.59	6.62		C			1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	F1	F2
	h m s	±° ′ ″	mag		deg	deg	mas	mas/yr		mas		mas	mas/yr		α*	α*	δ	α*	δ	π	α*	δ	π	$\mu_{\alpha*}$	%	
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
74501	15 13 29.24	−55 43 54.3	7.47	H	228.371 830 30	−55.731 762 77	4.96	−16.11	−23.97	0.70	0.67	1.00	0.79	0.83	+ 9	−35	−37	+33	+18	−29	− 3	+ 7	+30	−13	0	−1.24
74502	15 13 29.79	−01 38 23.9	9.03	H	228.374 115 76	−01.639 970 04	3.50	−3.40	−10.35	1.36	0.91	1.49	1.54	1.05	−36	−43	+ 8	+23	−10	− 2	− 7	−18	+ 8	−25	0	0.72
74503	15 13 30.73	−42 09 57.5	9.27	G	228.378 031 65	−42.165 969 13	4.02	−22.01	−18.64	0.94	0.82	1.36	1.10	1.01	−34	− 3	−33	+ 8	+20	−25	+16	+ 7	+ 2	−16	0	1.15
74504 H	15 13 31.48	+58 16 02.8	9.45	H	228.381 156 22	+58.267 446 12 A	3.10	−10.82	24.59	1.15	1.09	1.15	1.27	1.24	− 4	− 9	− 9	−24	−20	+ 2	− 6	+14	+ 9	−41	0	−0.12
74505	15 13 31.84	+22 58 59.4	6.31	H	228.382 661 53	+22.983 155 63	11.58	49.61	99.99	0.48	0.49	0.71	0.63	0.72	−15	− 4	−10	+ 0	+20	−24	+ 9	−35	+16	−44	0	−0.68
74506	15 13 31.85	+37 47 47.4	10.08	H	228.382 692 54	+37.796 512 20	1.67	−10.86	10.70	0.99	1.05	1.42	1.01	1.26	+10	−12	+ 2	+ 2	+ 4	−12	+ 5	+ 2	+ 9	− 9	0	1.86
74507	15 13 31.88	+15 55 20.1	8.73	H	228.382 832 40	+15.922 263 41	2.37	4.82	2.03	1.01	0.64	1.25	1.24	1.14	+16	−24	−14	−47	−16	+ 3	−25	−42	+23	−18	0	1.68
74508	15 13 31.96	+05 02 39.4	7.73	H	228.383 184 40	+05.044 285 50	4.03	−17.12	−36.81	1.02	0.58	1.19	1.56	0.92	−15	−27	+ 2	+22	−20	−26	−21	−35	+17	−12	0	0.63
74509	15 13 32.57	+38 34 05.7	10.18	3 H	228.385 688 54	+38.568 261 37	4.95	−46.01	−21.79	0.98	1.08	1.39	1.21	1.37	+15	− 9	−14	− 7	− 6	+ 1	− 6	− 4	+ 2	+11	0	−1.44
74510	15 13 34.73	−01 40 00.4	9.86	G	228.394 693 86	−01.666 769 72	4.79	−2.58	10.82	1.84	1.09	2.08	1.94	1.28	−27	−54	+ 5	+ 8	−10	+10	−13	−19	+14	−18	0	1.82
74511	15 13 34.74	−62 56 37.7	8.36	H	228.394 759 76	−62.943 810 03	7.93	−3.02	−74.01	0.59	0.80	1.08	0.70	1.03	− 5	−24	− 5	+26	+16	− 6	+18	+28	− 5	− 7	0	−0.86
74512	15 13 35.21	+34 52 54.8	8.63	H	228.396 722 45	+34.881 879 00	7.24	−25.11	0.83	0.62	0.70	0.97	0.76	0.85	+20	− 1	− 5	−10	−22	−19	−23	−14	−11	+14	0	−0.44
74513	15 13 35.56	+02 15 01.8	9.03	H	228.398 179 02	+02.250 502 36	7.57	−46.26	−20.78	1.16	0.83	1.32	1.35	1.08	−24	−33	− 4	+15	−19	+ 9	−16	− 5	− 3	−19	0	0.36
74514	15 13 35.59	+38 15 53.3	6.19	H	228.398 279 98	+38.264 816 07	7.43	−6.89	−47.72	0.44	0.48	0.64	0.53	0.60	+12	− 1	−12	+ 2	+ 2	− 1	+ 2	+ 4	+20	+ 7	2	−0.92
74515	15 13 36.30	+13 06 55.6	8.41	H	228.401 261 62	+13.115 438 92	2.43	−8.63	0.46	0.74	0.59	1.01	0.80	0.94	−15	−25	− 5	−29	+ 8	+ 6	− 6	−40	+28	−34	0	−0.01
74516	15 13 37.50	+42 47 22.2	11.23	H	228.406 237 06	+42.789 511 67	8.01	−160.92	82.73	1.60	1.82	2.10	1.86	2.09	+17	+ 3	− 4	−21	−19	+ 6	−18	−17	+ 3	+ 7	2	0.17
74517	15 13 37.97	+57 11 29.5	8.37	H	228.408 216 03	+57.191 532 24	6.63	8.61	40.26	0.65	0.58	0.71	0.62	0.62	+ 3	− 7	− 2	−36	− 4	+ 4	+ 1	−19	−12	−24	0	0.38
74518	15 13 38.49	+72 04 57.1	8.45	H	228.410 357 27	+72.082 534 89	3.21	17.17	1.44	0.71	0.60	0.71	0.82	0.66	+ 4	+ 8	−15	−19	− 8	− 7	− 7	+ 5	−17	− 8	0	−0.63
74519	15 13 39.29	−41 29 37.8	7.67	G	228.413 715 47	−41.493 829 93	1.38	−11.79	−4.18	0.69	0.59	0.93	0.93	0.76	−36	+ 0	−14	+ 3	+18	−26	+11	+12	− 5	+ 2	0	0.77
74520	15 13 39.70	+23 51 28.2	10.09	H	228.415 430 26	+23.857 819 85	4.65	−17.22	13.96	1.16	1.09	1.61	1.27	1.41	−20	+ 3	−34	+42	+35	−19	+14	−31	+14	−56	0	−1.14
74521	15 13 39.77	−29 45 26.4	8.52	H	228.415 722 68	−29.757 346 65	5.92	8.60	32.79	1.07	0.86	1.48	1.31	1.07	−13	−18	−32	+ 6	− 9	+40	+ 9	+10	−20	−24	0	2.66
74522	15 13 40.12	+55 25 32.4	8.61	H	228.417 163 19	+55.425 664 06	1.84	7.77	−14.74	0.58	0.62	0.72	0.60	0.71	+ 1	−19	− 8	−10	−14	+12	−16	− 9	+ 9	−11	0	1.29
∗74523	15 13 43.23	+07 41 18.8	9.39	G	228.430 116 54	+07.688 541 71	5.47	9.67	−8.54	1.43	0.87	1.56	1.62	1.25	−20	−37	+13	+23	−11	−19	− 7	−24	− 4	−14	0	−1.53
∗74524	15 13 43.18	−28 59 04.2	9.72	H	228.429 931 31	−28.984 497 83	−0.56	−0.30	−38.54	2.26	1.48	2.54	3.18	1.83	+33	−30	−60	+14	−13	+23	+ 7	+27	−18	+38	0	−0.47
74525	15 13 44.75	−08 37 10.8	9.55	G	228.436 460 11	−08.619 654 30	14.09	−31.87	−141.37	1.78	1.10	1.82	2.97	1.66	+10	−16	−27	−28	−26	− 3	−27	−13	−15	+44	0	−0.59
74526	15 13 45.18	+12 15 14.8	9.81	H	228.438 250 63	+12.254 119 40	5.12	−16.76	27.56	1.15	0.82	1.55	1.24	1.30	−11	−12	+15	−16	+11	+21	− 1	−33	− 8	−42	0	0.16
74527	15 13 45.54	+16 30 41.9	9.80	H	228.439 759 72	+16.511 633 92	4.02	33.81	−82.11	1.24	0.86	1.59	1.43	1.39	+11	−16	− 5	−30	− 9	+19	−19	−43	+12	−10	0	1.56
74528	15 13 45.73	+12 02 26.3	8.53	2 G	228.440 555 98	+12.040 638 21	1.94	−17.19	−4.47	0.91	0.53	1.08	0.90	0.81	+ 6	−33	− 3	−47	−13	+30	−18	−27	+ 3	−24	0	−0.60
74529	15 13 46.13	−23 32 26.9	8.47	H	228.442 194 00	−23.540 814 79	7.46	−11.10	−15.97	1.46	0.92	1.48	3.17	1.72	+19	−15	−38	−38	−36	+11	−42	−13	+32	+39	8	1.29
74530	15 13 46.90	+29 58 58.2	9.27	H	228.445 409 98	+29.982 823 32	4.05	−34.57	11.95	0.70	0.77	1.18	0.76	0.84	+ 9	−15	− 8	+36	−12	− 4	−11	+33	−10	− 7	0	0.75
74531	15 13 47.10	−14 01 22.5	7.49	H	228.446 261 93	−14.022 908 38	4.24	−31.72	1.02	0.92	0.72	1.11	1.33	1.08	−38	− 7	−29	− 2	+14	−24	+ 8	−29	+23	−39	0	−0.73
∗74532 H	15 13 47.19	+14 26 54.4	8.62	H	228.446 614 62	+14.448 456 05 A	6.34	−53.78	−14.15	1.65	1.20	2.20	1.89	2.17	− 9	−19	−28	−26	− 8	+24	−19	−38	+44	−27	2	0.56
∗74533	15 13 47.14	−12 22 49.0	8.03	H	228.446 403 07	−12.380 278 98	3.54	1.31	−2.88	1.00	0.78	1.36	1.22	1.21	−38	− 3	−35	+ 5	+14	− 8	+12	−44	+50	−35	0	1.70
74534	15 13 48.17	−35 50 02.1	8.33	H	228.450 688 79	−35.833 923 12	4.24	−16.96	−4.22	0.95	0.66	1.03	1.08	1.02	−30	−19	− 5	+38	−12	+ 1	− 9	+31	+ 6	−29	2	−0.22
74535	15 13 50.30	−33 31 04.5	8.56	H	228.459 574 61	−33.517 908 57	8.73	−57.78	−17.59	0.98	0.78	1.19	1.02	0.93	− 1	−37	−26	− 2	− 9	+ 8	− 8	+ 6	+ 1	−13	0	0.92
74536	15 13 51.26	−74 54 41.3	7.47	H	228.463 602 07	−74.911 462 93	2.58	5.99	−29.87	0.54	0.55	0.73	0.66	0.67	+ 8	− 8	+ 1	−14	+14	− 3	+10	+19	+ 1	+19	0	−2.97
74537	15 13 51.64	−01 21 00.6	6.58	H	228.465 148 66	−01.350 164 49	57.80	−1269.65	−503.15	0.81	0.52	0.85	0.91	0.60	−22	−30	− 1	+28	− 4	+18	+ 4	−12	−10	−14	0	0.46
74538	15 13 52.93	+28 21 31.5	10.13	H	228.470 525 08	+28.358 746 97	5.30	45.38	−60.63	2.39	2.08	3.03	2.78	2.51	−10	−24	+10	+ 3	+13	− 9	+13	−25	+ 2	−10	0	
74539	15 13 53.32	−26 11 36.8	5.84	G	228.472 173 92	−26.193 559 39	3.55	−14.01	−4.17	0.74	0.60	0.91	0.93	0.74	−12	−24	−32	+ 6	−12	+21	− 2	+15	−12	− 9	0	2.43
74540	15 13 53.96	−24 22 43.5	7.76	G	228.474 820 50	−24.378 738 39	13.78	25.41	−25.44	1.07	0.75	1.16	1.63	1.15	−11	+13	−20	−18	−18	−30	−31	+21	− 5	+ 3	0	−0.53
74541	15 13 54.25	+47 30 07.0	8.16	H	228.476 040 10	+47.501 934 94	3.70	−21.99	16.76	0.62	0.65	0.76	0.84	0.84	+ 7	− 5	− 9	+10	+ 1	− 7	+ 0	+26	− 3	+10	0	0.58
74542	15 13 54.39	−43 21 24.0	7.83	H	228.476 609 17	−43.356 657 18	7.41	−32.64	−12.26	0.72	0.72	1.08	0.91	0.99	−35	+ 0	−34	+20	+ 1	+ 1	+ 4	+10	+20	−30	0	1.95
74543	15 13 54.45	+59 32 08.1	9.27	H	228.476 890 09	+59.535 584 20	5.35	−36.78	16.76	0.72	0.87	0.88	0.75	1.01	+ 4	−23	−20	+ 9	+ 6	− 3	+ 7	+17	− 4	− 3	0	−1.42
74544	15 13 55.01	−36 52 45.9	9.26	H	228.479 225 35	−36.879 426 94	13.71	−57.67	−74.83	1.25	0.81	1.38	1.19	1.10	−36	−36	+ 5	+22	− 1	+ 3	+ 3	+17	+ 3	−19	0	−0.39
74545	15 13 55.06	+25 37 13.2	9.52	H	228.479 433 22	+25.620 333 67	−0.77	7.43	−10.97	1.20	1.02	1.60	1.63	1.42	−21	−32	−17	+43	+ 6	−34	−20	−11	+14	−60	0	1.66
74546	15 13 56.30	−54 37 48.9	8.59	H	228.484 582 83	−54.630 242 05	0.21	−5.60	−9.94	0.99	0.88	1.25	1.32	1.22	− 3	−21	−32	+40	+23	−26	+13	+ 8	+25	−13	0	2.08
74547	15 13 57.05	+32 42 09.1	10.11	H	228.487 690 88	+32.702 517 13	−1.93	−17.67	−7.17	0.78	1.06	1.51	0.84	1.12	+17	+ 1	−13	+ 9	+ 5	−13	+ 6	+22	− 2	+ 2	1	1.86
74548	15 13 57.31	−09 29 36.6	8.02	G	228.488 803 81	−09.493 510 60	18.06	77.42	−53.88	0.92	0.65	1.05	1.19	0.82	−12	−20	−28	+18	−16	+10	− 6	+10	−17	+ 3	0	0.49
∗74549	15 13 58.99	−41 27 44.6	8.45	G	228.495 777 49	−41.462 389 99 A	16.58	−270.86	−238.91	4.34	3.19	3.96	5.98	4.58	−39	− 2	− 6	+ 6	+15	−27	+10	+14	+ 0	+10	19	2.19
∗74550 T	15 13 59.16	−41 27 27.8	8.69	G	228.496 481 97	−41.457 730 11 B	18.14	−280.42	−242.15	10.83	8.54	5.55	10.01	8.04	−37	− 2	− 9	− 2	+13	−31	+ 5	+11	− 6	+13	19	2.19
∗74551	15 13 58.91	+47 58 08.7	7.47	H	228.495 453 03	+47.969 071 29	7.31	27.56	−15.78	0.58	0.54	0.66	0.81	0.70	+12	− 3	− 3	+11	− 5	− 3	− 5	+16	− 7	+14	1	−0.96
74552 H	15 13 59.19	−61 20 34.5	6.36	G	228.496 633 05	−61.342 926 66 A	3.93	−7.13	−20.76	0.79	0.71	0.91	0.83	0.78	− 3	−30	− 4	+ 4	+28	+10	+17	+14	+16	+26	1	−0.80
74553	15 13 59.28	+43 02 52.7	6.66	H	228.496 995 94	+43.047 971 44	9.29	−73.37	45.49	0.48	0.46	0.59	0.59	0.55	+ 5	+ 2	− 4	− 4	−13	+ 7	−11	+ 1	−12	−13	0	−0.18
74554	15 13 59.52	−02 25 00.5	9.28	H	228.497 995 93	−02.416 818 75	0.96	−40.27	−12.29	1.31	0.90	1.45	1.53	1.00	−23	−26	− 7	+23	−12	+ 1	− 8	−25	+ 5	−17	0	1.08
74555	15 14 00.07	−03 47 54.1	9.84	G	228.500 307 50	−03.798 365 83	36.12	−735.99	149.76	1.38	1.20	1.78	1.77	1.35	−34	− 9	−38	− 5	+10	−19	+ 5	−49	+30	−36	0	0.26
74556	15 14 00.95	+09 58 52.2	11.10	2 H	228.503 938 36	+09.981 171 37	−4.74	−38.27	−42.75	2.09	1.14	2.30	2.63	1.98	+10	−20	+ 9	+33	+ 2	−13	− 7	−17	+11	− 5	2	1.81
74557	15 14 01.30	+50 15 36.0	8.10	H	228.505 408 65	+50.260 004 45	4.45	−11.18	−8.83	0.62	0.60	0.70	0.74	0.76	+14	+ 5	− 2	− 2	+ 8	− 6	+ 9	− 3	− 4	+20	0	−1.36
74558	15 14 01.47	−01 53 11.0	9.13	3 H	228.506 115 01	−01.886 379 58	0.98	−35.02	−6.15	1.38	1.00	1.63	1.76	1.28	−29	−34	− 4	+14	− 8	−11	−10	−24	+16	−26	2	1.87
74559	15 14 02.44	+63 24 07.8	8.77	H	228.510 185 63	+63.402 170 42	5.87	−17.00	−3.31	0.64	0.68	0.70	0.69	0.79	+26	+ 2	− 5	−13	− 5	+ 1	− 6	− 6	−12	+25	0	0.45
74560	15 14 04.29	−08 46 00.4	9.40	G	228.517 864 14	−08.766 789 70	3.09	−20.03	4.17	1.49	1.03	1.73	2.36	1.51	−10	−18	−16	− 2	−15	−14	− 6	− 6	−33	+27	0	−1.89
74561	15 14 06.01	+31 47 16.5	5.98	1 H	228.525 061 16	+31.787 918 16	5.57	42.18	−30.19	0.33	0.45	0.68	0.36	0.47	+29	− 7	−10	+12	+10	−16	+11	+29	− 9	+15	1	1.35
74562	15 14 06.85	+01 43 28.1	9.05	G	228.528 543 50	+01.724 478 15	1.89	2.19	12.77	1.23	0.74	1.37	1.46	0.92	−19	−13	−18	+34	−10	+19	− 5	−31	+11	−13	0	2.27
74563 H	15 14 07.12	+52 35 18.6	9.92	H	228.529 686 96	+52.588 499 28 A	4.32	−5.69	2.22	1.46	1.34	1.51	1.66	1.55	− 2	−15	+ 2	+ 8	− 9	+11	−11	− 2	−12	−40	1	0.72
74564	15 14 07.15	−08 33 46.5	9.78	G	228.529 791 33	−08.562 920 76	6.68	4.60	2.66	1.91	1.17	1.97	3.10	1.73	+ 9	−20	−25	−35	−24	− 1	−23	−20	−18	+40	0	0.19
74565	15 14 07.56	−41 03 35.9	10.37	H	228.531 494 37	−41.059 980 26	5.12	−19.77	−31.35	1.31	1.03	1.75	2.19	1.59	−33	− 3	− 1	+16	+13	−19	+11	+20	− 7	+23	0	0.90
74566	15 14 07.92	+17 24 35.7	9.42	H	228.533 011 29	+17.409 916 13	13.80	−38.12	−37.09	1.08	0.80	1.42	1.21	1.33	+ 0	−28	−18	−13	−18	+ 9	−27	−10	+19	−38	1	1.28
∗74567	15 14 09.66	+31 45 26.2	9.23	H	228.540 254 64	+31.757 285 38	1.97	−29.96	10.67	0.89	1.23	1.85	0.99	1.31	+28	−11	−13	+ 6	+13	−13	+13	+13	− 5	+13	0	
∗74568	15 14 09.59	−17 30 52.6	8.50	H	228.539 978 38	−17.514 624 69	14.14	−107.45	78.79	1.00	0.61	1.15	1.05	0.75	−34	−38	− 1	+ 2	+ 1	+20	+14	−20	− 7	− 5	2	−0.50
∗74569	15 14 09.93	+38 58 57.4	8.63	H	228.541 391 66	+38.982 607 95	3.06	−1.05	−7.01	0.74	0.79	1.04	0.89	0.91	+22	− 4	−10	−12	−10	− 5	− 8	+ 0	− 3	+ 9	2	−1.36
∗74570 H	15 14 09.90	−38 29 31.1	7.06	G	228.541 234 23	−38.491 983 58 A	6.56	−27.07	−18.01	1.50	1.03	1.47	1.54	1.18	−44	−36	+ 6	+ 7	+ 4	− 1	+ 1	+10	+ 4	+35	4	0.72
74571	15 14 10.29	+42 10 17.2	6.12	2 H	228.542 883 01	+42.171 448 53	3.25	23.74	−16.08	0.42	0.45	0.55	0.46	0.52	+ 9	− 1	− 2	− 9	− 8	− 5	− 8	− 5	− 9	− 6	0	1.12
74572	15 14 10.99	+46 26 18.0	9.24	H	228.545 784 59	+46.438 327 53	−0.60	−15.41	2.05	0.91	0.89	1.08	1.13	1.15	+10	+28	− 4	+15	−10	+18	− 4	+26	+16	+11	0	1.74
74573	15 14 11.87	−25 39 01.1	8.58	G	228.549 457 33	−25.650 299 39	7.50	−127.16	−22.70	1.01	0.81	1.26	1.22	0.95	− 6	−23	−42	+ 5	−12	+17	− 5	+ 5	+ 2	− 5	0	0.14
74574	15 14 12.82	−70 33 33.3	7.64	H	228.553 427 04	−70.559 254 32	8.10	15.34	3.94	0.51	0.64	0.85	0.53	0.74	+25	−32	+ 0	+ 6	+ 8	− 8	+ 4	+31	− 2	+38	1	0.09
74575 H	15 14 14.74	−40 32 23.1	8.69	H	228.561 400 36	−40.539 751 56 ∗	2.49	−23.67	21.70	2.98	2.80	1.49	1.44	1.25	− 9	−16	+13	+ 0	+ 0	−11	+ 3	+ 6	−28	+25	1	−0.14
74576	15 14 16.39	+51 28 07.3	8.86	H	228.568 275 49	+51.468 686 88	8.21	32.37	25.24	0.68	0.65	0.78	0.74	0.72	− 2	−16	+ 6	+ 4	+ 8	+ 2	+ 8	+10	− 4	+ 9	0	−0.46
74577	15 14 16.62	+20 34 29.5	7.98	H	228.569 265 58	+20.574 869 52	5.58	10.94	5.51	0.62	0.62	1.01	0.78	0.93	−28	−11	+ 9	+49	−11	−11	−16	+ 9	+ 0	−43	1	1.28
74578	15 14 18.33	+34 54 39.8	8.34	H	228.576 360 99	+34.911 066 16	2.42	−18.86	13.63	0.59	0.67	0.91	0.71	0.79	+24	− 6	− 6	−14	−23	−13	−22	−12	−12	+19	0	1.09
74579	15 14 18.67	+19 58 16.9	8.78	H	228.577 794 49	+19.971 373 61	5.56	−27.90	28.23	0.75	0.73	1.19	0.92	1.01	−11	−18	+ 9	+30	− 9	+ 6	−11	+15	− 4	−19	0	−1.05
74580	15 14 18.80	−58 31 12.2	8.88	H	228.578 324 14	−58.520 057 05	2.97	27.29	−3.27	0.86	0.92	1.31	1.24	1.26	+20	+ 2	−24	+ 8	+20	−22	+18	−15	− 2	+32	0	0.64
74581	15 14 18.81	−14 12 33.9	6.75	1 H	228.578 378 33	−14.209 426 26	3.36	−4.84	−19.16	0.85	0.62	1.01	1.23	0.97	−27	+ 8	−37	+14	+24	−18	+26	−38	+43	−18	0	0.30
74582	15 14 19.17	−70 04 46.0	5.75	H	228.579 865 95	−70.079 455 66	2.18	4.39	−8.24	0.38	0.45	0.60	0.44	0.57	+16	−17	+ 2	+ 3	+ 6	− 2	+ 1	+27	+ 7	+28	0	−0.27
74583	15 14 19.96	−43 59 55.5	11.72	2 H	228.583 153 37	−43.998 738 08	1.61	−4.46	3.34	2.51	2.37	3.48	3.26	3.62	−42	−14	−19	+26	−14	−31	−21	+31	+15	−52	0	0.74
74584	15 14 21.02	+00 22 10.5	7.99	G	228.587 576 48	+00.369 596 56	1.78	−14.15	−1.06	0.85	0.65	0.99	0.90	0.75	−17	−29	−26	+21	− 4	+11	+ 0	−10	−13	−34	0	0.41
74585	15 14 21.54	+04 59 37.7	8.25	H	228.589 758 72	+04.993 792 83	10.48	−62.56	17.41	1.32	0.67	1.47	1.64	0.97	+ 0	−49	− 1	− 9	−29	−10	−34	−43	+21	+ 3	0	1.06
74586	15 14 21.77	−22 28 12.0	9.17	H	228.590 688 76	−22.469 996 08	−2.85	−13.70	−11.46	1.25	1.05	1.57	1.72	1.39	−19	− 5	−41	− 1	+ 3	−23	− 9	+ 0	+14	−20	0	−0.48
74587	15 14 25.88	+24 24 14.8	9.79	H	228.607 850 68	+24.404 119 59	4.81	−24.41	−11.99	1.03	0.98	1.45	1.12	1.22	−14	− 8	−19	+49	+34	−22	+12	−19	+ 1	−53	0	1.53
74588	15 14 26.18	+33 00 40.1	10.67	H	228.609 073 03	+33.011 125 06	3.01	11.26	−203.33	1.01	1.32	1.87	1.40	1.52	+12	− 5	− 4	− 7	+13	− 8	+ 9	+10	+ 7	− 8	0	−0.68
74589	15 14 26.48	+10 48 31.4	8.63	H	228.610 331 78	+10.808 711 74	8.99	−40.93	18.34	1.10	0.57	1.13	1.14	0.91	+ 8	−31	+ 9	+41	+ 8	+ 4	+ 1	−11	−11	− 8	0	1.73
74590	15 14 26.89	+03 13 04.8	8.93	G	228.612 052 02	+03.217 988 95	8.83	−17.72	9.76	1.12	0.73	1.24	1.10	0.98	−28	−42	− 2	+26	− 8	+ 5	− 9	+ 8	+ 0	−36	0	1.21
74591	15 14 27.45	−16 00 15.8	8.62	H	228.614 362 79	−16.004 387 94	4.13	−4.26	−12.96	0.88	0.67	1.11	1.17	1.27	−42	− 8	−25	+16	+ 8	−17	− 3	−22	+44	−59	0	−0.89
74592	15 14 27.64	−47 02 16.5	7.24	H	228.615 153 86	−47.037 914 75	8.36	−54.94	−26.40	0.63	0.62	0.83	0.63	0.74	−36	−29	−14	− 3	+ 3	−23	+ 2	+14	− 2	−46	4	0.97
74593	15 14 28.19	−18 25 42.5	6.76	H	228.617 468 65	−18.428 481 04	14.86	−106.42	−21.40	0.82	0.53	0.90	0.88	0.62	−13	−36	−18	+20	− 5	+ 8	+ 6	+ 4	−13	+ 1	3	0.82
74594	15 14 28.32	−05 56 58.7	8.28	G	228.618 006 27	−05.949 639 66	8.38	8.84	−39.94	1.10	0.68	1.32	1.21	0.81	−31	−46	− 9	+17	−20	+31	−11	+ 4	− 9	−37	0	2.22
74595	15 14 28.65	−03 21 51.9	7.20	H	228.619 378 80	−03.364 408 87	3.88	−27.12	−6.48	0.87	0.58	0.93	0.94	0.64	−35	−38	+ 1	+32	−26	+ 5	−20	+ 0	+ 2	−27	4	−0.36
74596	15 14 29.21	+29 09 51.2	5.28	H	228.621 688 17	+29.164 225 93	14.40	−69.99	28.32	0.34	0.41	0.65	0.32	0.47	+ 7	− 8	− 3	−19	−11	− 1	− 3	+22	−16	−12	0	1.46
74597	15 14 30.00	+49 53 33.7	8.64	H	228.625 011 91	+49.892 692 67	5.18	−12.37	−7.56	0.66	0.64	0.76	0.83	0.82	+ 6	− 4	− 5	+ 6	+ 6	+ 5	+ 7	− 1	−13	+12	0	−0.68
74598	15 14 31.04	−59 44 06.7	7.17	2 H	228.629 319 58	−59.735 195 57	2.24	13.56	−23.49	0.69	0.64	0.95	0.85	0.89

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
74501	8.439	0.011	7.565	0.009		0.780	0.011	T	0.82	0.01	L	7.6163	0.0012	0.010	77		7.60	7.64					1							S
74502	10.834	0.058	9.128	0.023		1.424	0.049	T	1.41	0.08	L	9.1693	0.0025	0.021	74		9.14	9.21		C			1							
74503	9.662	0.019	9.315	0.021		0.339	0.002	G	0.40	0.00	H	9.3502	0.0025	0.017	101		9.32	9.38		C			1							
74504	10.663	0.042	9.543	0.026	*	0.965	0.038	T	0.95	0.03	L	*	9.6098	0.0027	0.018	110	*	9.58	9.64			15135+5816	H 1	2 C	B	AB	128	0.706	0.027	3.23	0.12	
74505	6.382	0.003	6.311	0.004		0.064	0.004	T	0.07	0.00	L		6.3332	0.0008	0.008	120		6.32	6.35		C			1							S
74506	10.652	0.038	10.073	0.036		0.541	0.046	T	0.61	0.05	L		10.1990	0.0034	0.035	136		10.15	10.29					1							
74507	10.060	0.020	8.829	0.012		1.090	0.015	G	1.05	0.02	H		8.8983	0.0015	0.017	167		8.87	8.94					1							
74508	9.672	0.024	7.883	0.011		1.490	0.021	T	1.51	0.03	L		7.8541	0.0015	0.013	84		7.83	7.88					1							S
74509	11.177	0.052	10.245	0.037		0.810	0.049	T	0.84	0.04	L		10.3267	0.0055	0.061	138		10.26	10.90		P 1 A			1	S						G
74510	10.809	0.067	9.980	0.051		0.787	0.015	G	0.82	0.01	H		10.0035	0.0035	0.023	72		9.94	10.04					1							
74511	9.016	0.011	8.426	0.010		0.544	0.015	G	0.62	0.01	H		8.4782	0.0015	0.020	144		8.45	8.51					1							
74512	9.152	0.010	8.664	0.010		0.459	0.013	T	0.53	0.01	L		8.7317	0.0014	0.017	168		8.70	8.76		C	15136+3453	I 1	1	S						S
74513	9.566	0.026	9.058	0.025		0.477	0.033	T	0.55	0.04	L		9.1382	0.0026	0.021	80		9.10	9.20		C			1							
74514	7.773	0.005	6.329	0.003		1.218	0.005	T	1.18	0.01	L		6.3532	0.0008	0.008	149		6.34	6.37		C			1							S
74515	10.075	0.021	8.548	0.011		1.283	0.019	T	1.24	0.02	L		8.5646	0.0014	0.018	177		8.54	8.60					1							
74516											T		11.3722	0.0065	0.055	139		11.27	11.45					1	S						G
74517	9.541	0.018	8.479	0.013		0.921	0.017	T	0.92	0.01	L		8.5334	0.0009	0.012	103		8.51	8.56		D			1							S
74518	9.714	0.019	8.567	0.012		0.986	0.018	T	0.97	0.01	L		8.6154	0.0017	0.015	108		8.59	8.64					1							
74519	7.611	0.006	7.648	0.007		−0.051	0.001	G	−0.03	0.00	H		7.6632	0.0016	0.012	122		7.64	7.68					1							S
74520	10.596	0.029	10.101	0.030		0.466	0.038	T	0.54	0.04	L		10.1908	0.0029	0.026	153		10.14	10.23					1							
74521	9.876	0.027	8.667	0.017		1.034	0.025	T	1.01	0.02	L		8.6840	0.0013	0.015	57		8.66	8.72		D	15137−2945	I 1	1	S						S
74522	9.770	0.019	8.711	0.013		0.918	0.017	T	0.92	0.01	L		8.7707	0.0018	0.015	122		8.75	8.80		R			1							
74523	9.827	0.026	9.428	0.028		0.405	0.007	G	0.47	0.01	H		9.4833	0.0039	0.025	78		9.45	9.52					1							
74524	11.366	0.124	9.751	0.046		1.352	0.104	T	1.32	0.12	L		9.8749	0.0054	0.023	38		9.84	9.91					1							
74525	10.214	0.039	9.528	0.035		0.605	0.005	G	0.67	0.00	H		9.6683	0.0025	0.028	57		9.62	9.71					1							
74526	10.438	0.026	9.813	0.025		0.581	0.031	T	0.65	0.03	L		9.9303	0.0027	0.029	143		9.87	9.98					1							
74527	10.693	0.036	9.863	0.028		0.747	0.035	T	0.79	0.03	L		9.9482	0.0028	0.030	160		9.88	9.99					1							
74528	10.580	0.032	8.718	0.012		1.560	0.020	G	1.57	0.09	H		8.6090	0.0042	0.032	140		8.57	8.66		U 2			1	S						
74529	8.757	0.016	8.451	0.017		0.291	0.022	T	0.33	0.03	L		8.5394	0.0017	0.010	45		8.52	8.56		C			1							
74530	10.608	0.027	9.410	0.016		1.025	0.024	T	1.00	0.02	L		9.4419	0.0017	0.023	189		9.41	9.49					1	S						
74531	8.559	0.015	7.590	0.011		0.838	0.014	T	0.86	0.01	L		7.6359	0.0015	0.012	75		7.62	7.65		C			1							S
74532	9.191	0.014	8.589	0.012	*	0.560	0.013	T	0.63	0.01	L	*	8.7398	0.0015	0.018	167	*	8.71	8.78		D	15138+1427	I 1	2 C	A	AB	12	4.823	0.004	1.11	0.02	S
74533	9.638	0.028	8.183	0.016		1.227	0.025	T	1.19	0.03	L		8.1977	0.0012	0.010	53		8.18	8.21		C			1							
74534	8.635	0.012	8.366	0.013		0.252	0.015	G	0.28	0.02	H		8.4009	0.0013	0.011	84		8.38	8.43		C			1							
74535	9.144	0.016	8.609	0.016		0.509	0.017	T	0.58	0.02	L		8.6733	0.0014	0.012	64		8.65	8.70		C			1	S						
74536	9.495	0.014	7.651	0.006		1.533	0.012	T	1.58	0.03	L		7.5924	0.0014	0.014	160		7.56	7.61					1							
74537	7.530	0.009	6.661	0.005		0.763	0.009	G	0.81	0.02	A		6.7223	0.0012	0.008	78		6.71	6.74		C	15138−0121	I 1	1	S						S
74538	11.012	0.046	10.159	0.035		0.765	0.044	T	0.80	0.03	L		10.2769	0.0036	0.029	106		10.23	10.32		C			1	X						
74539	7.324	0.008	5.981	0.004		1.139	0.002	G	1.10	0.00	H		6.0066	0.0010	0.005	58		6.00	6.02			15139−2612	I 1	1	S						S
74540	8.968	0.018	7.862	0.012		0.929	0.020	G	0.92	0.01	H		7.9251	0.0014	0.009	54		7.91	7.94		C			1							S
74541	9.601	0.016	8.293	0.010		1.111	0.015	T	1.07	0.02	L		8.3291	0.0016	0.014	131		8.30	8.36		C			1							
74542	9.077	0.015	7.959	0.010		0.963	0.014	T	0.95	0.01	L		7.9952	0.0012	0.011	88		7.98	8.01		C	15139−4321	I 1	1	S						
74543	9.747	0.018	9.323	0.018		0.414	0.021	T	0.48	0.02	L		9.3641	0.0020	0.022	123		9.31	9.41		C			1							
74544	9.891	0.023	9.292	0.020		0.558	0.022	T	0.63	0.02	L		9.3771	0.0027	0.024	118		9.32	9.42		C			1							
74545	11.658	0.100	9.750	0.029		1.564	0.082	G	1.69	0.17	K		9.6239	0.0030	0.031	100		9.57	9.67					1							
74546	8.619	0.013	8.584	0.017		0.032	0.019	T	0.05	0.01	L		8.6045	0.0028	0.017	67		8.57	8.63		C			1							
74547	11.194	0.044	10.182	0.029		0.883	0.039	T	0.89	0.03	L		10.2582	0.0038	0.037	201		10.19	10.32		R			1							
74548	8.641	0.016	8.079	0.015		0.516	0.011	G	0.59	0.01	H		8.1138	0.0016	0.010	68		8.09	8.13					1							S
74549						0.759	0.015	G	0.80	0.01	H		8.6053	0.0218	0.130	121	A	8.43	8.87		D	15140−4128	I 2	1 C	P A						
74550						0.833	0.013	G	0.85	0.01	H		8.8796	0.0251			B				D	15140−4128	I 2	1 C	I A						
74551	7.734	0.008	7.493	0.008		0.230	0.011	T	0.26	0.01	L		7.5338	0.0013	0.010	111		7.51	7.56		C			1							S
74552	6.334	0.005	6.402	0.007	*	−0.041	0.012	G	−0.02	0.01	H	*	6.3551	0.0009	0.007	93	*	6.34	6.37		D	15140−6121	I 1	2 C	A	AB	339	0.877	0.002	0.96	0.01	S
74553	6.908	0.004	6.689	0.005		0.209	0.006	T	0.23	0.01	L		6.7260	0.0011	0.010	137		6.71	6.74					1							S
74554	10.840	0.058	9.337	0.027		1.264	0.050	T	1.22	0.05	L		9.4367	0.0028	0.019	69		9.40	9.47		C			1							
74555	11.345	0.107	10.004	0.053		1.117	0.009	G	1.31	0.02	A		9.9387	0.0033	0.023	57		9.90	9.98		C			1							
74556											T		11.1881	0.0393	0.214	117		10.93	11.49	0.34	P 1 A			1	S						G
74557	9.754	0.018	8.231	0.010		1.280	0.016	T	1.24	0.02	L		8.2561	0.0016	0.015	125		8.22	8.28		C			1							S
74558	11.514	0.111	9.626	0.035		1.602	0.096	T	3.20	0.96	K		8.9740	0.0522	0.289	76		8.78	9.53	459.00	P 1 A			1	S						
74559	9.082	0.013	8.799	0.014		0.269	0.018	T	0.30	0.02	L		8.8387	0.0019	0.012	107		8.82	8.86			15140+6324	I 1	1							S
74560	9.791	0.029	9.428	0.031		0.362	0.020	G	0.42	0.02	H		9.5049	0.0029	0.019	57		9.47	9.54		C			1							
74561	8.034	0.006	6.167	0.003		1.552	0.005	T	1.57	0.01	L		6.0992	0.0007	0.010	278		6.08	6.12		M	15141+3147	I 2	1							S
74562	9.509	0.026	9.074	0.026		0.404	0.015	G	0.47	0.02	H		9.1584	0.0027	0.017	69		9.13	9.19					1	S						
74563	10.447	0.031	10.040	0.034	A	0.300	0.495	G	0.30	0.07	B	*	9.9870	0.0023	0.022	108	*	9.95	10.02		D	15141+5235	I 1	2 C	A	AB	131	2.077	0.012	1.93	0.04	
74564	10.374	0.045	9.727	0.039		0.460	0.020	G	0.53	0.02	H		9.8880	0.0047	0.026	55		9.86	9.94					1							
74565	11.124	0.066	10.438	0.058		0.622	0.066	T	0.69	0.06	L		10.5004	0.0034	0.030	111		10.44	10.56					1							G
74566	10.341	0.028	9.463	0.021		0.768	0.027	T	0.81	0.02	L		9.5569	0.0027	0.027	134		9.50	9.61					1							
74567	10.986	0.034	9.338	0.014		1.378	0.029	T	1.35	0.04	L		9.3778	0.0023	0.036	281		9.31	9.43		R	15141+3147	I 2	1 X	S						S
74568	9.244	0.018	8.579	0.016		0.616	0.020	T	0.68	0.02	L		8.6348	0.0017	0.012	82		8.62	8.66		C			1							
74569	10.079	0.025	8.748	0.014		1.129	0.022	T	1.09	0.02	L		8.7952	0.0027	0.020	135		8.76	8.83					1							
74570	7.233	0.007	7.097	0.007	*	0.106	0.015	G	0.12	0.02	H	*	7.1032	0.0009	0.008	93	*	7.09	7.12		D	15142−3830	I 1	2 C	A	AB	65	0.697	0.004	1.06	0.01	S
74571	8.276	0.009	6.331	0.004		1.635	0.021	G	2.07	0.05	F		6.1986	0.0018	0.020	129		6.17	6.23		U 2			1	S						S
74572	10.605	0.038	9.369	0.022		1.055	0.034	T	1.02	0.03	L		9.4043	0.0014	0.020	113		9.36	9.44		D			1							S
74573	9.220	0.024	8.627	0.022		0.512	0.020	G	0.58	0.02	H		8.7050	0.0023	0.013	50		8.69	8.73		C			1							
74574	7.979	0.007	7.656	0.007		0.307	0.009	T	0.35	0.01	L		7.7166	0.0014	0.016	167		7.69	7.74					1							S
74575	9.945	0.027	8.782	0.018	*	0.998	0.025	T	0.98	0.02	L	*	8.8597	0.0022	0.016	84	*	8.82	8.88			15142−4032	H 1	2 C	C	AB	197	0.211	0.061	2.73	0.89	
74576	9.544	0.018	8.921	0.017		0.580	0.022	T	0.65	0.02	L		8.9880	0.0013	0.014	119		8.96	9.02		C			1							
74577	9.371	0.015	8.087	0.009		1.093	0.014	T	1.05	0.01	L		8.1461	0.0012	0.014	156		8.12	8.17		C			1							
74578	9.634	0.014	8.453	0.009		1.012	0.013	T	0.99	0.01	L		8.5043	0.0011	0.016	182		8.48	8.53		C			1							S
74579	9.419	0.017	8.856	0.016		0.527	0.021	T	0.60	0.02	L		8.8914	0.0019	0.017	142		8.86	8.93					1	S						S
74580	10.513	0.046	9.051	0.023		1.232	0.040	T	1.19	0.04	L		9.0396	0.0023	0.019	93		9.01	9.07		C			1							
74581	8.932	0.016	6.954	0.007		1.676	0.014	T	2.09	0.04	O		6.8250	0.0031	0.018	69		6.80	6.86		U 2			1							S
74582	10.235	0.026	6.014	0.003		3.271	0.019	T	3.36	0.02	L		5.5275	0.0105	0.118	173		5.41	5.70		U 2 C			1	S						S
74583											T		11.8642	0.0079	0.072	75		11.51	11.97		U			1	S						D
74584	7.974	0.012	7.946	0.013		−0.002	0.008	G	0.02	0.01	H		7.9856	0.0016	0.014	72		7.96	8.00					1							S
74585	9.119	0.019	8.330	0.016		0.716	0.019	T	0.77	0.02	L		8.3953	0.0020	0.011	65		8.38	8.42		C			1							S
74586	10.686	0.049	9.340	0.026		1.141	0.043	T	1.10	0.04	L		9.3363	0.0030	0.021	61		9.31	9.38					1							
74587	10.451	0.027	9.827	0.026		0.581	0.033	T	0.65	0.03	L		9.9104	0.0025	0.023	152		9.87	9.95					1							
74588	11.733	0.083	10.742	0.055		0.730	0.040	G	0.78	0.03	R		10.8104	0.0039	0.046	193		10.73	10.89					1	G						G
74589	9.205	0.014	8.672	0.013		0.500	0.017	T	0.57	0.02	L		8.7406	0.0020	0.022	127		8.71	8.79					1							S
74590	9.369	0.017	8.995	0.018		0.411	0.001	G	0.48	0.00	H		9.0215	0.0026	0.019	80		8.98	9.05		C			1							
74591	9.027	0.014	8.647	0.015		0.371	0.018	T	0.43	0.02	L		8.7119	0.0010	0.009	85		8.69	8.73					1							
74592	7.534	0.006	7.261	0.008		0.260	0.009	T	0.29	0.01	L		7.3113	0.0014	0.014	91		7.29	7.33					1							S
74593	7.246	0.008	6.806	0.006		0.429	0.008	T	0.50	0.01	L		6.8554	0.0010	0.008	69		6.84	6.88		C	15145−1826	I 1	1							S
74594	8.652	0.014	8.305	0.015		0.389	0.001	G	0.45	0.00	H		8.3600	0.0015	0.011	62		8.34	8.38		C			1							S
74595	7.301	0.010	7.213	0.009		0.086	0.013	T	0.10	0.01	L		7.2384	0.0014	0.011	68		7.22	7.27					1							S
74596	5.356	0.002	5.287	0.002		0.062	0.003	T	0.07	0.00	L		5.3074	0.0005	0.006	186		5.30	5.32					1							S
74597	9.084	0.012	8.657	0.012		0.403	0.016	T	0.47	0.02	L		8.7327	0.0018	0.016	128		8.71	8.76					1							S
74598	9.397	0.018	7.393	0.008		1.661	0.016	T	1.68	0.02	L		7.2781	0.0034	0.028	93		7.23	7.31		U 2			1							S
74599	10.200	0.036	8.959	0.022		1.059	0.033	T	1.03	0.03	L		8.9718	0.0032	0.021	74		8.93	9.01					1							
74600	6.156	0.004	6.178	0.005		−0.015	0.006	T	0.01	0.01	L		6.1811	0.0006	0.006	85		6.17	6.19		C			1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π π	π δ	$\mu_{\alpha*}$ $\alpha*$	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
1 2	h m s	±° ′ ″	mag	6 7	deg	deg	mas	mas/yr		mas		mas	mas/yr		19	20	21	22	23	24	25	26	27	28	% 29	30
	3	4	5		8	9 10	11	12	13	14	15	16	17	18												
74601	15 14 34.06	−63 37 48.8	7.72	H	228.641 922 31	−63.630 214 95	3.48	18.83	24.33	0.52	0.60	0.92	0.66	0.78	+19	− 9	+11	+30	+20	−10	+22	+28	− 6	+22	0	0.10
74602	15 14 34.33	−45 53 41.3	7.99	H	228.643 054 53	−45.894 812 81	16.53	−37.27	−95.54	0.74	0.65	0.96	0.95	0.98	−22	−10	−14	+13	+ 9	− 8	+11	+10	− 2	−28	0	−0.38
74603	15 14 36.08	+27 07 57.7	10.22	H	228.650 334 15	+27.132 682 83	1.04	−9.36	2.03	1.41	1.34	1.76	1.74	1.80	−15	− 9	− 4	+ 1	−20	−14	−19	+ 9	− 4	−42	0	−0.27
74604	15 14 37.33	−31 31 08.9	4.91	G	228.655 524 50	−31.519 125 64	2.86	−9.72	1.83	0.75	0.63	0.95	0.69	0.68	+ 0	−35	−41	− 7	− 9	+12	− 1	+12	− 5	−33	0	−0.68
74605	15 14 38.00	+67 20 51.6	5.15	H	228.658 347 77	+67.347 675 98	39.51	221.51	−392.30	0.42	0.46	0.47	0.42	0.53	+10	− 8	−27	−30	− 3	−13	− 8	−27	+15	+ 1	0	−0.63
74606	15 14 38.37	−59 49 09.9	9.38	H	228.659 889 75	−59.819 413 69 B	3.98	−29.79	−19.06	14.40	12.77	7.61	11.73	11.70	+23	−30	− 7	+ 2	+ 1	−16	+ 0	−13	− 1	+30	1	1.13
74607	15 14 38.57	−54 24 23.1	8.11	H	228.660 695 15	−54.406 405 54	3.62	5.44	14.47	1.08	0.89	1.25	1.78	1.40	−11	−23	−21	+46	+24	−26	+11	+ 1	+20	−27	0	−0.78
74608	15 14 39.86	+11 30 56.8	10.03	H	228.666 094 59	+11.515 781 21	6.24	−11.29	−66.67	1.47	0.74	1.46	1.66	1.18	+19	−27	− 2	+22	+12	+20	+ 9	−26	− 1	+ 8	0	1.80
74609	15 14 39.91	−59 49 13.6	7.45	H	228.666 293 90	−59.820 449 95 A	3.93	−15.72	−16.71	1.55	1.48	1.65	1.77	1.75	+22	−26	− 4	+ 3	+ 1	−15	+ 2	−15	− 1	+33	1	1.13
74610	15 14 41.30	+54 24 41.3	9.07	H	228.672 096 93	+54.411 482 33	0.32	−8.64	−10.04	0.72	0.68	0.82	0.73	0.69	+ 5	−15	+ 5	−22	−14	− 9	−11	+ 0	+ 4	− 7	0	−1.02
74611	15 14 41.50	−46 08 24.8	9.71	H	228.672 925 32	−46.140 228 38	10.85	28.92	107.72	1.05	0.94	1.57	1.37	1.41	−23	− 6	−25	+ 0	+10	−31	+ 5	+15	−15	−24	0	0.21
74612	15 14 41.78	−29 04 30.1	8.50	H	228.674 099 96	−29.075 038 39	3.33	−21.77	−22.53	1.32	0.91	1.46	1.70	1.17	+10	−10	−40	−13	−26	+24	−22	+10	− 6	+16	0	3.40
74613	15 14 42.39	−07 28 25.5	8.38	H	228.676 622 74	−07.473 748 82	6.08	−23.69	−10.60	1.18	0.79	1.30	1.47	1.06	−36	+12	−29	+47	−16	+37	− 6	+ 2	−20	−39	3	1.07
74614	15 14 43.00	−33 53 59.7	8.97	H	228.679 168 17	−33.899 904 32	0.62	3.72	−4.22	1.17	0.91	1.37	1.04	1.02	+ 8	−37	−29	− 5	− 8	−12	− 9	+ 9	− 5	−18	0	−0.36
74615	15 14 43.67	−75 32 58.8	7.63	H	228.681 937 53	−75.549 672 73	2.68	2.40	−5.18	0.55	0.60	0.73	0.60	0.68	+22	−11	+ 1	− 3	+17	−11	+18	+34	− 4	+22	0	−0.13
74616	15 14 44.15	−27 39 22.7	10.12	G	228.683 944 08	−27.656 299 27	4.46	−23.12	−12.35	1.55	1.33	2.02	1.97	1.50	− 1	−26	−52	− 2	−28	+28	−15	+24	−12	−11	0	−0.68
74617	15 14 44.21	+39 32 55.5	11.11	H	228.684 210 80	+39.548 741 60	4.99	−14.88	12.35	1.40	1.57	2.04	1.74	1.89	+28	−17	−30	−15	−11	+ 5	− 6	− 1	−16	+13	1	−0.11
74618	15 14 46.03	+21 20 05.6	8.75	2 H	228.691 806 92	+21.334 896 35	3.07	−11.67	−15.88	0.77	0.80	1.29	0.99	1.02	−30	−15	− 2	+23	+ 0	− 8	− 1	−17	−11	−36	0	0.27
74619 H	15 14 46.73	−04 39 07.4	9.09	H	228.694 699 76	−04.652 057 30 A	0.86	10.97	1.88	2.23	1.77	2.50	2.51	1.96	−34	−19	−25	+ 5	+ 2	−24	−11	−31	+23	−48	2	0.17
74620	15 14 47.38	−52 00 10.1	8.04	H	228.697 420 98	−52.002 797 96	3.29	−17.58	−22.05	0.78	0.76	1.10	0.92	1.12	−12	−21	−27	+10	− 5	−13	− 6	+22	−11	−30	0	1.04
74621	15 14 49.24	+18 44 36.4	9.27	H	228.705 163 83	+18.743 440 37	8.90	9.26	−74.49	1.11	0.78	1.31	1.53	1.08	+ 1	−13	+24	−10	−11	+12	−15	−13	− 3	− 5	0	1.35
74622	15 14 49.69	−42 19 11.1	7.49	G	228.707 022 90	−42.319 741 19	2.57	−21.38	−1.90	0.65	0.61	0.94	0.69	0.68	−29	−13	−33	+ 3	+17	−20	+12	+ 0	+ 6	−20	0	0.24
74623	15 14 50.61	−05 30 09.3	6.28	H	228.710 888 02	−05.502 571 75	3.58	−28.02	6.97	0.82	0.58	0.89	0.95	0.67	−33	−25	− 1	+27	− 5	+10	+ 1	−14	− 7	−27	0	0.49
74624	15 14 51.26	−68 05 19.7	8.23	H	228.713 572 10	−68.088 818 50	4.63	−15.54	0.84	0.51	0.72	1.00	0.59	0.83	+21	− 2	+ 5	− 3	+ 9	+ 1	+ 7	+36	− 3	+24	0	−1.31
74625	15 14 51.63	+68 56 44.6	6.52	H	228.715 134 71	+68.945 722 76	4.73	10.22	3.10	0.44	0.48	0.51	0.50	0.56	+10	−13	−30	− 1	−16	+20	−15	−12	+ 8	− 8	0	1.05
74626	15 14 52.70	−18 37 47.3	11.36	G	228.719 574 09	−18.629 801 24	5.74	−276.88	−377.54	2.68	1.89	3.29	2.97	2.02	− 8	−37	−32	+13	− 9	+24	+11	+11	−22	− 2	3	0.29
74627	15 14 53.12	+01 16 16.4	8.35	H	228.721 339 28	+01.271 210 73	7.48	−27.92	−27.21	0.95	0.66	1.04	1.07	0.80	−29	−23	− 2	+33	− 7	+17	− 4	− 5	− 1	−26	0	1.86
74628	15 14 53.25	+47 06 27.5	9.53	H	228.721 878 37	+47.107 626 99	0.38	−12.35	11.72	0.85	0.92	1.05	1.11	1.17	+11	− 9	−13	+ 3	+ 2	+12	+ 2	+32	+ 7	+16	0	1.44
74629 H	15 14 55.26	−57 49 04.6	9.59	H	228.730 230 39	−57.817 955 22 A	3.68	− 6.31	− 4.39	1.54	1.50	1.94	2.10	1.96	+29	−12	− 1	− 9	− 1	− 9	+ 3	−15	+14	+45	0	−1.22
74630 H	15 14 56.15	−66 09 25.9	7.86	G	228.733 957 19	−66.157 207 57 *	3.76	−15.21	−20.16	0.42	0.59	0.85	0.46	0.75	+14	+ 5	+ 6	−28	− 2	−13	− 5	+12	−14	+21	0	0.05
74631 H	15 14 56.60	+38 18 03.6	7.11	H	228.735 822 48	+38.301 003 57 A	7.90	−32.35	44.41	0.90	0.92	0.93	0.77	0.88	+30	− 5	−15	− 4	−15	+ 9	−11	−10	+13	+21	3	−0.07
74632	15 14 57.06	+08 10 22.6	10.68	H	228.737 747 13	+08.172 950 19	2.39	− 7.00	−12.65	2.16	1.06	2.32	2.50	1.84	+ 6	−27	+ 7	+22	− 5	−28	−22	−27	+18	−22	0	1.83
74633	15 14 57.69	−02 24 52.9	7.47	2 H	228.740 368 80	−02.414 682 73	3.17	− 5.73	−32.13	1.00	0.63	1.06	1.09	0.74	−27	−32	+ 0	+31	−10	+ 0	− 3	−22	− 3	−19	0	−0.02
74634 H	15 14 57.72	−59 50 30.2	11.34	G	228.740 510 37	−59.841 723 68 A	4.52	− 3.58	−11.72	5.53	6.89	6.11	4.87	5.62	+37	−23	−10	− 1	+ 5	−24	+ 6	− 6	− 8	+12	3	−0.79
74635	15 14 59.90	−66 53 36.5	7.91	H	228.749 597 71	−66.893 469 28	7.35	−97.41	−75.04	0.55	0.66	0.98	0.57	0.81	+35	− 7	− 3	−44	−11	−16	−17	− 6	−15	+50	1	−0.08
*74636	15 15 00.52	−48 44 50.4	7.70	H	228.752 153 88	−48.747 340 38	2.02	− 0.06	− 1.45	0.67	0.62	0.87	0.64	0.72	− 9	−37	−17	+ 9	− 8	− 2	− 9	+27	+ 2	−18	0	−0.37
*74637	15 15 00.50	−74 54 07.8	10.84	H	228.752 072 22	−74.902 174 37	−0.84	−21.76	−10.25	1.20	1.21	1.61	1.56	1.54	+13	−12	+ 2	−12	+13	− 6	+11	+13	− 2	+24	1	0.66
74638	15 15 01.10	+13 45 34.4	9.04	H	228.754 591 85	+13.759 564 79	4.78	−24.18	−20.93	0.85	0.70	1.43	1.10	1.48	− 5	−30	−33	−21	+ 3	+ 0	−26	−46	+50	−43	0	−0.47
74639	15 15 01.75	+33 30 45.9	8.20	H	228.757 286 84	+33.512 739 09	4.96	−37.74	30.32	0.54	0.66	0.99	0.60	0.80	+23	− 7	− 8	+ 3	+14	− 1	+14	+15	+20	+13	2	−0.78
74640	15 15 02.29	−05 25 18.8	10.29	G	228.759 527 36	−05.421 881 97	0.62	−41.80	− 3.65	2.09	1.54	2.62	2.29	1.72	−30	−32	−29	+ 9	+12	+ 4	+ 7	−48	+25	−36	0	0.23
74641	15 15 02.32	−39 25 59.4	8.84	H	228.759 678 38	−39.433 164 97	−0.99	− 4.12	1.32	1.08	0.76	1.26	1.05	1.03	−18	−32	+ 3	− 8	−11	−21	−11	+ 7	−11	− 9	0	1.42
74642	15 15 03.07	+18 02 52.5	9.27	2 H	228.762 795 89	+18.047 904 17	2.71	−24.90	9.03	1.17	0.72	1.32	1.25	1.04	+ 2	−43	+10	−28	−25	+15	−29	− 3	+ 7	−13	0	1.91
74643 H	15 15 03.23	+36 49 48.8	8.28	H	228.763 473 20	+36.830 226 47 A	8.28	20.41	0.40	1.29	1.38	1.46	1.09	1.14	+12	+ 0	+12	− 4	+ 3	−10	+ 5	+ 8	− 8	+11	1	−0.16
74644	15 15 03.24	+71 44 54.6	8.80	H	228.763 507 64	+71.748 509 75	6.29	− 8.51	−36.83	0.76	0.67	0.77	0.88	0.74	+ 1	−10	−19	− 5	−12	+ 7	− 7	+15	− 8	−17	1	0.92
74645	15 15 07.45	−01 10 26.5	8.39	H	228.781 055 83	−01.174 019 45	5.82	−12.80	−23.44	1.03	0.70	1.20	1.22	0.80	−15	−26	−34	+30	−20	+30	− 9	+ 1	−17	−35	4	−0.09
74646	15 15 07.67	−15 09 11.8	8.95	H	228.781 960 60	−15.153 271 60	3.05	−14.18	− 6.12	0.98	0.77	1.24	1.25	1.28	−37	−12	−31	+ 3	+12	− 8	+ 5	−29	+35	−49	0	−0.61
74647	15 15 08.37	−10 03 53.1	10.10	G	228.784 884 63	−10.064 738 82	7.08	42.19	−41.12	1.54	1.01	1.77	1.87	1.31	−12	−25	−24	+ 5	−20	+14	−11	+ 6	−17	− 1	0	1.39
74648 H	15 15 11.32	−02 53 12.4	10.28	H	228.797 152 05	−02.886 786 17 A	6.13	− 2.97	−10.22	4.32	2.61	4.17	4.58	2.78	−30	−30	−15	+21	+ 0	−12	−15	−23	+26	−21	1	−0.52
74649 H	15 15 11.37	+04 56 21.7	5.32	H	228.797 360 45	+04.939 352 26 *	6.98	−23.06	3.91	0.85	0.53	0.95	1.10	0.65	−23	−29	+24	+18	−30	−21	−19	−17	− 5	− 2	2	−1.50
74650	15 15 11.67	−50 22 36.3	9.58	H	228.798 622 23	−50.376 754 71	4.36	6.10	19.72	1.12	0.94	1.40	1.12	1.08	− 7	−33	− 8	+12	+19	− 4	+21	+ 6	− 2	+ 8	2	1.65
74651	15 15 13.97	−30 58 39.9	9.21	H	228.808 204 52	−30.977 736 59	12.20	−32.95	−38.20	1.40	1.04	1.60	1.82	1.33	+ 0	− 9	−27	+21	−10	+29	− 2	+33	−11	− 2	0	1.75
74652	15 15 14.87	−10 34 08.8	9.94	G	228.811 951 55	−10.569 116 15	4.83	1.30	−28.30	1.47	1.08	1.87	1.56	1.23	−17	−29	−40	+23	−16	+18	− 4	+15	−10	−24	0	0.20
74653	15 15 15.36	−70 31 09.2	6.86	G	228.813 982 70	−70.519 223 74	37.16	−177.88	−165.01	0.45	0.54	0.72	0.46	0.66	+22	−28	− 3	+ 6	+ 1	− 8	− 1	+28	− 4	+28	0	−0.61
74654	15 15 16.18	−58 10 22.4	8.16	2 H	228.817 395 85	−58.172 876 17	0.96	0.51	− 2.47	0.78	0.73	1.14	1.22	0.99	+23	+ 1	+ 5	+ 9	+21	−34	+25	−12	− 7	+35	0	3.20
74655 H	15 15 16.87	−25 23 22.2	8.73	H	228.820 277 47	−25.389 509 96 *	1.73	−14.27	− 6.86	1.21	0.93	1.49	1.53	1.35	−11	−28	−33	+10	−13	+ 4	−19	+ 7	+22	−24	0	2.94
74656	15 15 18.38	+49 45 03.2	9.24	H	228.826 597 67	+49.750 889 25	8.26	−33.95	4.55	0.77	0.81	0.93	0.97	1.10	+12	− 6	− 9	+ 1	+ 2	+ 9	+ 4	+ 2	−13	+ 3	0	−0.31
74657	15 15 19.66	−44 08 58.0	6.74	1 H	228.831 911 54	−44.149 443 03 A	7.57	−19.12	−21.58	0.77	0.77	0.92	0.85	1.00	−37	− 1	− 9	+12	− 3	−30	− 2	+18	+10	−46	1	0.77
74658	15 15 20.34	−55 29 09.3	8.47	H	228.834 764 17	−55.485 928 72	9.85	−68.66	−68.38	0.83	0.87	1.41	1.07	1.15	+ 6	−34	−36	+22	+20	−40	− 7	− 1	+39	−21	0	−0.36
74659	15 15 23.97	−11 26 49.2	8.18	H	228.849 863 97	−11.446 994 33	6.36	−33.62	− 1.12	0.99	0.68	1.02	1.15	0.80	−34	− 6	−14	+50	−25	+32	−18	+33	− 2	−24	0	−0.63
74660	15 15 24.09	−59 04 29.3	8.11	2 G	228.850 390 40	−59.074 796 71 A	−0.84	−10.68	− 4.96	1.99	1.62	1.95	2.73	2.30	+45	− 7	−22	+56	+46	− 5	+52	+26	+ 1	+63	2	2.39
74661	15 15 27.04	−77 41 51.7	9.19	G	228.862 675 58	−77.697 705 56	2.07	− 5.37	−11.49	0.70	0.78	0.99	0.68	0.86	+ 5	−24	+ 3	− 4	− 1	−11	− 6	+19	+22	+ 5	2	−0.59
74662	15 15 27.28	+22 32 56.9	8.48	G	228.863 684 90	+22.549 137 03 A	16.18	−108.47	56.33	2.04	2.16	2.82	2.41	2.73	−12	+ 2	−38	+20	+18	−24	+ 8	−27	+21	−28	0	1.31
74663	15 15 27.79	−79 08 11.1	6.66	H	228.865 790 43	−79.136 429 26	6.99	−27.33	−34.11	0.43	0.50	0.59	0.43	0.58	+23	−27	−13	− 1	− 8	+ 3	−13	− 7	+17	+26	0	0.33
74664	15 15 27.88	−68 37 13.1	9.34	H	228.866 154 13	−68.620 300 44	6.97	−23.45	−12.15	0.73	0.90	1.19	0.84	1.11	+13	−15	+ 0	+ 0	+ 7	+ 7	+ 7	+22	− 2	+16	3	−0.05
74665	15 15 28.94	+53 44 56.8	8.99	H	228.870 581 84	+53.749 122 69	9.12	−73.31	−54.57	0.67	0.64	0.76	0.74	0.73	+10	−18	+ 2	− 6	−15	− 4	−17	−17	+ 1	− 7	1	−0.78
74666	15 15 30.10	+33 18 54.4	3.46	H	228.875 432 41	+33.315 102 22	27.94	84.84	−110.57	0.34	0.42	0.61	0.37	0.48	+13	+ 3	− 9	+ 1	+ 5	−10	+ 6	+12	+12	+ 4	3	−0.55
74667	15 15 30.11	−20 12 58.5	9.17	H	228.875 477 59	−20.216 256 38	9.74	−25.16	− 8.06	1.13	0.83	1.29	1.26	0.93	− 6	−21	−30	+ 7	− 5	+15	+ 2	+ 3	− 4	+ 1	0	−0.32
74668	15 15 31.22	−63 19 02.4	8.17	G	228.880 092 25	−63.317 344 00	7.46	−44.84	−40.29	0.54	0.70	0.99	0.69	0.88	+ 3	−19	+ 5	+21	+20	− 7	+20	+17	− 1	+ 9	1	0.45
74669	15 15 33.95	−16 56 04.8	9.53	H	228.891 438 03	−16.934 664 32	3.80	−12.58	− 1.31	1.12	0.80	1.39	1.40	1.21	−37	−11	−29	− 1	+ 5	+ 8	+ 8	−31	+24	−29	2	−0.08
74670	15 15 35.31	+10 07 35.7	7.11	H	228.897 127 55	+10.126 569 85	14.61	48.29	−26.00	0.84	0.44	0.86	0.98	0.67	+12	−26	+ 4	+30	+ 2	+ 5	+ 2	−16	−13	+ 7	0	0.10
74671	15 15 35.62	−07 09 24.8	9.28	G	228.898 435 39	−07.156 878 34	6.08	−13.57	− 6.47	1.55	1.09	1.55	1.91	1.42	−52	+ 9	−21	+58	−39	+41	−33	+35	−20	−51	0	−0.93
74672	15 15 35.74	+23 27 26.8	9.68	H	228.898 913 71	+23.457 451 65	14.82	−99.42	60.95	1.06	1.10	1.58	1.34	1.40	−19	−14	−30	− 4	+24	−16	+14	−30	+18	−47	3	−1.21
74673	15 15 38.21	−72 23 54.7	8.01	2 H	228.909 211 66	−72.398 528 53	1.23	−11.12	− 5.49	0.56	0.67	0.90	0.60	0.77	+11	−20	+ 3	+ 2	+10	−25	+15	+ 6	−24	+31	1	0.33
74674	15 15 38.29	+33 19 16.3	7.80	H	228.909 544 78	+33.321 189 41	27.61	83.89	−109.54	0.50	0.61	0.91	0.52	0.68	+ 3	+ 1	− 6	−19	+ 5	− 9	+ 8	+ 0	+17	−16	4	−0.42
*74675 H	15 15 39.39	−27 35 46.7	6.79	H	228.914 110 20	−27.596 314 85 A	7.42	−24.60	10.90	1.76	1.20	1.36	1.42	1.04	−43	−19	−31	+ 5	− 3	+28	+ 6	+ 1	− 1	− 3	0	−0.70
*74676	15 15 39.33	−54 57 50.8	8.19	H	228.913 885 63	−54.964 121 34	5.15	−26.02	−16.10	0.82	0.82	1.17	1.09	1.14	−17	−22	−26	+18	+14	−42	+ 0	+13	+29	−40	0	0.47
74677	15 15 40.40	−55 13 18.2	8.83	H	228.918 334 34	−55.221 724 18	7.09	−55.38	−41.96	0.93	0.93	1.40	1.13	1.21	+ 3	−31	−39	+19	+21	−31	+ 2	+ 5	+30	−29	0	0.10
74678	15 15 41.45	+25 38 33.2	6.97	H	228.922 703 78	+25.642 542 49	4.05	− 1.58	− 2.36	0.61	0.55	0.83	0.75	0.72	−18	−26	− 4	+36	− 8	−31	−15	+11	+ 2	−44	0	0.26
74679	15 15 44.52	−06 23 55.4	9.61	G	228.935 511 29	−06.398 719 70	3.76	3.47	5.13	1.33	0.98	1.50	1.48	1.23	−40	−33	− 5	+26	−12	+21	− 6	+ 5	− 4	−36	0	1.06
74680	15 15 45.26	−14 41 34.2	8.16	G	228.938 568 04	−14.692 837 89	5.52	− 0.37	−33.19	0.87	0.70	1.13	1.11	1.08	−43	− 2	−39	+ 7	+ 5	− 2	+ 4	−27	+32	−47	2	0.74
74681	15 15 45.38	−60 13 54.0	7.88	H	228.939 068 01	−60.231 669 68	1.78	6.82	− 6.35	0.79	0.70	1.09	0.87	0.92	+ 9	−34	−12	−13	+ 9	−23	+ 9	−14	− 5	+ 4	0	0.86
74682	15 15 45.50	+07 35 53.7	10.70	G	228.939 600 32	+07.598 255 55	28.90	−27.42	−188.93	2.35	1.16	2.52	2.76	1.88	− 2	−44	+ 0	+27	−10	− 9	−28	−18	+16	−30	2	0.73
74683	15 15 45.56	+52 15 14.1	9.35	H	228.939 834 72	+52.253 903 18	7.02	−16.01	− 5.43	0.78	0.74	0.89	0.95	0.87	+ 1	−10	+ 0	+12	− 4	+ 9	− 3	+11	−10	−21	0	0.63
74684	15 15 46.58	−20 56 20.7	8.95	H	228.944 089 94	−20.939 095 57	12.31	26.42	−14.75	1.10	0.86	1.34	1.21	1.01	− 9	−18	−40	+ 0	− 3	+ 8	− 2	− 4	+10	−15	3	1.26
74685	15 15 48.05	+27 21 42.3	8.70	H	228.950 214 77	+27.361 744 51	10.44	−53.27	11.58	1.09	0.83	1.28	1.14	1.02	− 7	−23	+11	+ 1	−11	−25	−12	− 6	+ 5	−13	0	1.86
74686	15 15 48.31	−34 48 11.8	8.81	H	228.951 312 05	−34.803 290 18	5.38	−37.29	−12.25	1.02	0.74	1.21	1.37	1.17	−27	− 9	−14	+22	− 5	+20	+ 2	+15	− 1	− 5	0	−0.22
74687	15 15 48.74	−05 02 51.0	9.66	H	228.953 068 67	−05.047 497 01	1.10	29.70	− 1.56	1.65	1.24	1.78	1.97	1.41	−37	− 7	−20	+30	+11	+ 5	+17	−40	+16	−29	0	−0.83
74688 H	15 15 48.77	−57 00 50.2	8.37	H	228.953 215 61	−57.013 931 79 A	7.41	−14.78	−18.46	1.27	1.36	1.84	1.81	1.66	+20	−11	−24	+18	+18	−28	+10	+17	+ 9	+29	0	0.61
74689	15 15 49.14	+00 22 19.6	5.62	H	228.954 749 40	+00.372 107 53	20.20	−107.26	12.83	0.82	0.51	0.95	0.77	0.63	−22	−48	+ 1	+19	−10	+21	− 7	− 9	− 6	−27	0	−0.20
74690	15 15 50.68	+50 56 18.8	6.47	H	228.961 180 36	+50.938 567 95	16.52	24.43	−45.91	0.51	0.49	0.58	0.52	0.54	+ 5	−18	+ 6	− 4	+14	− 7	+15	+10	− 9	+18	0	0.67
74691 H	15 15 52.74	−36 59 55.5	7.91	G	228.969 749 67	−36.998 754 79 A	12.77	−27.40	−57.01	1.13	0.84	1.22	1.18	1.14	−44	+ 2	−18	+13	−21	+23	−23	+35	−13	−34	2	−0.10
74692	15 15 52.93	+41 09 08.7	9.53	H	228.970 546 01	+41.152 430 51	4.35	− 7.70	−25.57	0.81	0.96	1.19	1.05	1.22	+17	+ 1	−11	− 5	+ 1	+27	+ 7	+ 6	+16	+ 4	0	0.12
74693	15 15 53.00	+35 36 24.1	9.43	H	228.970 841 10	+35.606 705 60	0.84	11.38	− 7.82	0.78	0.90	1.23	0.82	1.03	+26	− 8	− 1	− 3	−19	− 9	−21	−11	− 3	+18	0	2.54
74694	15 15 53.41	−27 01 22.1	8.15	H	228.972 562 37	−27.022 805 95	8.17	39.71	−29.60	0.86	0.72	1.09	1.08	0.83	− 4	−25	−47	+ 3	−24	+28	−11	+24	−11	−17	0	1.43
74695	15 15 53.57	+06 27 53.6	6.47	H	228.973 213 05	+06.464 886 38	2.69	− 9.72	−19.17	0.80	0.48	0.86	1.01	0.70	−14	−16	+ 3	+25	−18	+ 1	−21	−17	− 1	−19	0	−0.05
74696	15 15 53.66	−48 04 25.1	5.96	H	228.973 589 44	−48.073 640 79	19.32	5.08	− 8.39	0.61	0.51	0.76	0.67	0.62	−10	−32	−10	+34	+ 9	+ 2	+ 8	+31	+ 6	+ 5	0	−0.27
74697	15 15 55.73	−42 50 38.1	9.21	H	228.982 194 59	−42.843 915 99	2.60	− 7.72	− 1.68	0.95	0.85	1.32	1.16	1.11	−27	+ 4	−27	+24	+11	+17	+22	+ 5	+22	+ 0	0	−0.58
74698 H	15 15 56.15	−56 17 04.4	8.00	H	228.983 957 44	−56.284 555

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
74601	9.085	0.013	7.835	0.008		1.066	0.012	T	1.03	0.01	L	7.8889	0.0013	0.014	182		7.87	7.91			15145−6338	I 1	1							
74602	8.631	0.014	8.040	0.013		0.552	0.017	T	0.62	0.02	L	8.1134	0.0019	0.013	82		8.09	8.14		C			1							
74603	11.311	0.071	10.279	0.044		0.898	0.063	T	0.90	0.05	L	10.3746	0.0047	0.035	81		10.31	10.44		C			1							
74604	5.356	0.003	4.960	0.003		0.374	0.016	G	0.48	0.02	A	5.0023	0.0008	0.005	56		5.00	5.01					1							S
74605	5.802	0.003	5.213	0.003		0.550	0.004	T	0.62	0.00	L	5.2700	0.0006	0.005	118		5.26	5.28		C			1							S
74606	10.740	0.061	9.582	0.036	B	0.994	0.055	T	0.97	0.04	L	9.6097	0.0441			B				D	15147−5949	I 2	1 C I A							
74607	9.481	0.022	8.252	0.014		1.050	0.020	T	1.02	0.02	L	8.2771	0.0026	0.012	62		8.25	8.30		C			1							
74608	10.635	0.036	10.071	0.037		0.528	0.046	T	0.60	0.05	L	10.1399	0.0027	0.026	103		10.09	10.19		C			1							
74609	9.290	0.018	7.582	0.009	A	1.426	0.016	T	1.41	0.03	L	7.5891	0.0074	0.025	99	A	7.56	7.64		D	15147−5949	I 2	1 C P A							S
74610	10.947	0.049	9.234	0.019		1.430	0.042	T	1.42	0.07	L	9.2097	0.0025	0.022	119		9.17	9.25					1							
74611	10.474	0.044	9.793	0.039		0.618	0.044	T	0.69	0.04	L	9.8388	0.0029	0.025	78		9.80	9.87		C			1							G
74612	9.632	0.027	8.670	0.020		0.846	0.025	T	0.86	0.02	L	8.6580	0.0015	0.014	46		8.63	8.68		C			1							
74613	8.601	0.014	8.414	0.016		0.179	0.020	T	0.20	0.02	L	8.4430	0.0019	0.013	56		8.42	8.47		C			1							S
74614	11.529	0.107	9.231	0.026		1.895	0.088	T	1.93	0.09	L	9.0628	0.0030	0.021	65		9.03	9.10					1 S							
74615	9.465	0.015	7.781	0.008		1.407	0.013	T	1.39	0.02	L	7.7736	0.0012	0.015	154		7.75	7.80					1							
74616	11.027	0.068	10.131	0.048		0.684	0.020	G	0.74	0.02	H	10.2772	0.0038	0.018	56		10.25	10.30		C			1							G
74617						1.077	0.197	G	1.04	0.16	R	11.2763	0.0035	0.049	117		11.17	11.33					1							G
74618	10.631	0.042	9.008	0.018		1.383	0.038	T	2.87	0.06	O	8.7003	0.0048	0.044	115		8.62	8.78		U 2			1 S							
74619	10.036	0.037	9.406	0.033	A	0.585	0.107	G	0.70	0.04	L *	9.2272	0.0033	0.019	58	*	9.19	9.26		D	15148−0439	I 1	2 C A	AB	288	5.054	0.015	1.50	0.04	
74620	9.866	0.038	8.230	0.019		1.369	0.034	T	1.34	0.04	L	8.1865	0.0016	0.016	71		8.16	8.21					1							
74621	9.852	0.021	9.340	0.021		0.481	0.027	T	0.55	0.03	L	9.3803	0.0031	0.026	110		9.33	9.44					1							
74622	7.494	0.008	7.472	0.008		0.000	0.002	G	0.02	0.00	H	7.5005	0.0014	0.011	96		7.49	7.52		C			1							S
74623	8.227	0.012	6.446	0.007		1.473	0.004	G	1.49	0.01	H	6.4119	0.0009	0.008	55		6.40	6.43					1							S
74624	9.500	0.013	8.351	0.009		0.987	0.012	T	0.97	0.01	L	8.3981	0.0013	0.019	230		8.36	8.44					1							
74625	6.556	0.004	6.523	0.005		0.030	0.006	T	0.05	0.01	L	6.5332	0.0006	0.006	105		6.52	6.54					1							S
74626						0.550	0.020	G	0.64	0.01	H	11.5100	0.0070	0.038	57		11.44	11.58					1							G
74627	8.957	0.020	8.414	0.018		0.521	0.015	G	0.59	0.02	H	8.4655	0.0019	0.014	69		8.44	8.49		C			1							S
74628	11.252	0.059	9.651	0.024		1.341	0.050	T	1.31	0.06	L	9.6846	0.0027	0.027	136		9.64	9.73					1							
74629	9.816	0.021	9.713	0.028	A	0.100	0.495	G	0.07	0.09	L *	9.6191	0.0026	0.023	118	*	9.58	9.67		D	15149−5749	I 1	2 C A	AB	336	5.545	0.013	2.40	0.06	G
74630	8.071	0.007	7.914	0.008	*	0.160	0.015	G	0.18	0.01	H *	7.9416	0.0011	0.015	237	*	7.92	7.97		D	15149−6609	H 1	2 C S A	AB	338	0.147	0.005	0.30	0.27	S
74631	7.542	0.005	7.166	0.006	*	0.359	0.012	G	0.42	0.01	H *	7.1992	0.0009	0.011	151	*	7.18	7.22		D	15149+3818	I 1	2 C A	AB	240	0.462	0.005	1.70	0.02	S
74632	11.252	0.069	10.646	0.063		0.560	0.072	G	0.63	0.07	R	10.8002	0.0051	0.039	108		10.71	10.86					1							G
74633	9.558	0.023	7.756	0.011		1.531	0.021	T	3.15	0.04	O	7.3172	0.0104	0.078	69		7.19	7.47		U 2			1 S							S P
74634						0.850	0.015	G	0.89	0.01	H *	11.4560	0.0099	0.063	88	*	11.36	11.54			15150−5951	H 1	2 C B	AB	14	0.396	0.030	1.05	0.24	G
74635	9.390	0.012	8.046	0.007		1.140	0.011	T	1.10	0.01	L	8.0750	0.0014	0.018	233		8.04	8.11					1							
74636	9.135	0.017	7.818	0.011		1.118	0.016	T	1.08	0.02	L	7.8668	0.0012	0.009	93		7.85	7.88					1							
74637	11.848	0.116	11.044	0.092		1.007	0.085	G	0.98	0.07	R	11.0072	0.0042	0.043	154		10.95	11.07		C			1							G
74638	9.718	0.017	9.097	0.016		0.578	0.020	T	0.65	0.02	L	9.1681	0.0017	0.022	166		9.13	9.20					1							
74639	8.602	0.010	8.241	0.010		0.337	0.004	G	0.39	0.01	H	8.2833	0.0017	0.019	182		8.26	8.33					1							S
74640	10.995	0.073	10.362	0.069		0.602	0.015	G	0.67	0.01	H	10.4104	0.0038	0.028	49		10.36	10.45		C			1							
74641	10.358	0.036	8.959	0.019		1.183	0.032	T	1.14	0.03	L	9.0031	0.0026	0.018	92		8.98	9.03					1							
74642	11.066	0.053	9.509	0.023		1.329	0.048	T	2.81	0.09	O	9.2393	0.0128	0.088	111		9.12	9.37		U 2			1 S							P
74643	8.955	0.012	8.373	0.011	*	0.544	0.014	T	0.62	0.01	L *	8.4032	0.0015	0.014	152	*	8.38	8.43		D	15151+3650	I 1	2 C A	AB	141	0.553	0.003	1.07	0.02	S
74644	9.312	0.016	8.841	0.016		0.444	0.021	T	0.51	0.02	L	8.8952	0.0015	0.016	106		8.87	8.93		C			1							S
74645	8.765	0.014	8.408	0.015		0.338	0.019	T	0.39	0.03	L	8.4691	0.0017	0.016	74		8.44	8.49		C			1							S
74646	10.440	0.039	9.088	0.022		1.146	0.035	T	1.11	0.03	L	9.1202	0.0023	0.015	77		9.10	9.14					1							
74647	10.827	0.068	10.222	0.068		0.680	0.020	G	0.74	0.02	H	10.2267	0.0028	0.017	70		10.20	10.26		C			1							
74648	11.162	0.084	10.578	0.079	*	0.545	0.102	T	0.62	0.09	L *	10.3978	0.0032	0.031	69	*	10.35	10.45		R	15152−0253	I 1	2 C A	AB	175	1.005	0.010	0.96	0.05	
74649	6.715	0.006	5.458	0.004	*	1.092	0.005	G	1.05	0.01	H *	5.4850	0.0011	0.006	66	*	5.47	5.49		C	15152+0456	H 1	2 C S A	AB	233	0.162	0.056	2.29	0.44	S
74650	11.017	0.055	9.677	0.029		1.136	0.049	T	1.10	0.05	L	9.7525	0.0031	0.023	89		9.71	9.78		C			1							G
74651	9.918	0.037	9.334	0.034		0.547	0.037	T	0.62	0.03	L	9.3299	0.0045	0.020	44		9.30	9.36					1							
74652	10.521	0.053	10.027	0.054		0.530	0.020	G	0.60	0.02	H	10.0476	0.0020	0.026	67		10.02	10.09		C			1							
74653	7.790	0.006	6.940	0.005		0.740	0.001	G	0.79	0.00	H	7.0081	0.0009	0.010	168		6.99	7.03					1							S
74654	8.482	0.011	8.194	0.011		0.273	0.016	T	0.31	0.02	L	8.2333	0.0051	0.041	107		8.17	8.27		U 2			1							
74655	10.571	0.053	8.870	0.022	*	1.420	0.045	T	1.40	0.07	L *	8.8667	0.0022	0.013	47	*	8.84	8.88		D	15153−2523	H 1	2 C S A	AB	166	0.191	0.015	1.09	0.27	
74656	9.840	0.020	9.339	0.020		0.471	0.026	T	0.54	0.03	L	9.3465	0.0021	0.018	122		9.32	9.37		C			1							
74657	6.638	0.005	6.718	0.006	A	−0.068	0.007	T	−0.05	0.01	L	6.7274	0.0048	0.017	80	A	6.71	6.76		U	15153−4409	I 1	2 C A	AB	40	13.910	0.013	2.98	0.07	S
74658	9.312	0.019	8.560	0.016		0.687	0.020	T	0.74	0.02	L	8.6099	0.0031	0.015	69		8.58	8.64					1							
74659	8.495	0.015	8.184	0.016		0.295	0.021	T	0.34	0.03	L	8.2554	0.0010	0.011	68		8.24	8.27					1							S
74660	9.274	0.023	8.282	0.017	A	1.008	0.037	G	0.86	0.02	L	8.1052	0.0042	0.041	92	−	8.04	8.23		U 2	15154−5904	I 1	3 C C							D G
74661	9.142	0.014	9.145	0.018		−0.040	0.007	G	−0.02	0.01	H	9.1741	0.0018	0.017	128		9.14	9.22					1							
74662	9.166	0.013	8.520	0.011	A	0.570	0.015	G	0.64	0.01	H	8.6146	0.0124	0.017	122	A	8.59	8.64			15155+2233	I 1	2 C B	AB	346	11.025	0.076	3.31	0.27	S
74663	7.704	0.006	6.756	0.005		0.836	0.006	T	0.85	0.00	L	6.8098	0.0008	0.009	147		6.79	6.83		C			1							S
74664	10.159	0.030	9.438	0.025		0.648	0.030	T	0.71	0.03	L	9.4752	0.0022	0.027	206		9.43	9.52					1 S							
74665	9.662	0.019	9.076	0.018		0.547	0.023	T	0.62	0.02	L	9.1129	0.0015	0.017	111		9.08	9.14		C			1							
74666	4.688	0.002	3.577	0.002		0.961	0.003	G	0.96	0.03	C	3.6268	0.0003	0.004	184		3.62	3.63			15156+3319	I 2	1							S
74667	9.705	0.028	9.205	0.027		0.475	0.020	G	0.55	0.02	H	9.2733	0.0021	0.016	57		9.25	9.30		C			1							
74668	8.620	0.010	8.239	0.011		0.399	0.004	G	0.46	0.00	H	8.2665	0.0013	0.013	152		8.24	8.29					1							
74669	10.208	0.033	9.619	0.031		0.551	0.033	T	0.62	0.03	L	9.6487	0.0020	0.019	82		9.61	9.68		C			1							
74670	7.498	0.006	7.144	0.006		0.336	0.008	T	0.39	0.01	L	7.1882	0.0013	0.012	122		7.17	7.21					1							S
74671	9.867	0.029	9.307	0.027		0.523	0.015	G	0.60	0.02	H	9.3885	0.0018	0.018	52		9.35	9.42		D			1							
74672	10.601	0.037	9.744	0.027		0.752	0.035	T	0.80	0.03	L	9.8213	0.0027	0.028	101		9.78	9.88					1							
74673	10.209	0.024	8.245	0.009		1.664	0.021	T	2.55	0.04	O	8.0146	0.0043	0.043	150		7.94	8.08		U 2			1							
74674	8.560	0.012	7.871	0.010		0.624	0.012	T	0.69	0.01	L	7.9290	0.0013	0.016	190		7.90	7.96		R	15156+3319	I 2	1							S
74675	7.238	0.007	6.830	0.009	*	0.372	0.003	G	0.43	0.00	H *	6.8810	0.0013	0.008	64	*	6.87	6.90		D	15157−2736	I 1	2 C A	AB	119	0.398	0.004	0.87	0.02	S
74676	8.405	0.012	8.221	0.014		0.176	0.017	T	0.19	0.02	L	8.2505	0.0016	0.016	70		8.22	8.27					1							
74677	9.415	0.023	8.883	0.022		0.507	0.024	T	0.58	0.03	L	8.9400	0.0025	0.018	70		8.91	8.97		C			1							
74678	6.884	0.005	6.950	0.006		−0.078	0.009	G	−0.06	0.01	H	6.9539	0.0011	0.011	102		6.94	6.98					1							S
74679	10.049	0.036	9.595	0.037		0.463	0.015	G	0.53	0.02	H	9.7046	0.0030	0.022	63		9.66	9.74		C			1							
74680	8.029	0.010	8.125	0.014		−0.072	0.012	G	−0.05	0.01	H	8.1338	0.0014	0.010	75		8.12	8.15		C			1							S
74681	9.910	0.031	8.095	0.014		1.510	0.027	T	1.54	0.04	L	8.0028	0.0015	0.014	97		7.98	8.03					1							
74682	12.391	0.227	10.888	0.089		1.350	0.020	G	1.57	0.02	A	10.8073	0.0036	0.035	83		10.73	10.89		C			1							G
74683	9.888	0.023	9.381	0.023		0.476	0.029	T	0.55	0.03	L	9.4533	0.0017	0.016	114		9.42	9.49		C			1							
74684	9.626	0.025	9.038	0.023		0.550	0.025	T	0.62	0.02	L	9.0702	0.0030	0.016	54		9.04	9.10		C			1							
74685	9.296	0.017	8.759	0.016		0.504	0.021	T	0.58	0.02	L	8.8104	0.0023	0.021	79		8.78	8.84		C			1							S
74686	10.432	0.034	9.023	0.018		1.190	0.030	T	1.15	0.03	L	8.9822	0.0021	0.020	91		8.96	9.01					1 S							
74687	10.237	0.041	9.750	0.041		0.553	0.015	G	0.63	0.01	H	9.7833	0.0040	0.021	55		9.75	9.82					1							
74688	10.149	0.028	8.590	0.014	A	1.264	0.134	G	1.16	0.05	L *	8.5298	0.0023	0.020	97	*	8.49	8.56		D	15158−5701	M 1	2 C A	AB	174	6.962	0.020	2.71	0.09	
74689	5.843	0.005	5.647	0.004		0.181	0.001	G	0.20	0.00	H	5.6835	0.0007	0.005	66		5.67	5.70					1							S
74690	7.535	0.006	6.562	0.004		0.854	0.005	T	0.87	0.00	L	6.6224	0.0007	0.007	128		6.61	6.64		C	15159+5056	I 1	1							S
74691	8.362	0.015	7.891	0.012	*	0.443	0.015	G	0.51	0.02	H *	8.0016	0.0012	0.012	105	*	7.98	8.03		D	15159−3700	I 1	2 C A	AB	46	5.536	0.012	3.04	0.06	S
74692	10.952	0.042	9.637	0.023		1.117	0.037	T	1.08	0.04	L	9.6951	0.0026	0.028	134		9.65	9.75					1							
74693	10.994	0.041	9.540	0.019		1.226	0.035	T	1.18	0.03	L	9.5995	0.0021	0.030	167		9.54	9.65					1							
74694	8.670	0.017	8.199	0.016		0.448	0.015	G	0.52	0.02	H	8.2463	0.0008	0.008	56		8.23	8.26		D			1							S
74695	8.170	0.011	6.612	0.006		1.308	0.010	T	1.27	0.01	L	6.6225	0.0008	0.008	85		6.61	6.64		C			1							S
74696	6.214	0.004	5.988	0.004		0.210	0.006	T	0.23	0.01	L	6.0223	0.0007	0.005	80		6.01	6.03			15159−4804	I 1	1 S							S
74697	9.716	0.023	9.237	0.023		0.451	0.030	T	0.52	0.03	L	9.3095	0.0021	0.017	88		9.27	9.35		C			1							
74698	8.314	0.014	7.945	0.015	*	0.350	0.020	T	0.41	0.03	L *	8.0854	0.0017	0.013	64	*	8.06	8.12		D	15159−5617	I 1	2 C A	AB	50	5.428	0.006	0.83	0.02	
74699	10.717	0.039	9.409	0.020		1.111	0.034	T	1.07	0.04	L	9.4459	0.0027	0.025	149		9.39	9.48					1							
74700	11.301	0.093	10.433	0.066		0.560	0.072	G	0.63	0.07	R	10.5883	0.0063	0.041	65		10.52	10.65					1							G

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors $\alpha*$ mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%) δ α*	π α*	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ α*	μ_δ δ	μ_δ π	μ_δ α*	μ_δ $\mu_{\alpha*}$	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
74701 H	15 15 58.53	−70 24 48.9	6.71	G	228.993 883 95	−70.413 571 61 *	8.29	−13.36	−45.65	0.43	0.56	0.70	0.47	0.68	+25	−18	−	1	+	5	+	5	−10	+	3	+30	−	3	+32	0	−0.47
74702	15 15 59.06	+00 47 48.1	6.92	H	228.996 095 45	+00.796 694 25	64.19	178.02	−136.52	0.82	0.56	0.97	0.85	0.70	−18	−38	−18	+20	−16	+14	−17	+	0	+10	−25					0	0.63
74703 H	15 16 01.56	−04 53 52.3	7.21	G	229.006 485 03	−04.897 869 05 A	16.48	27.21	−26.84	2.98	1.70	2.61	3.43	1.93	−23	−	9	−31	+32	−	9	−13	−18	−16	+46	−30				1	0.11
74704	15 16 02.71	+02 10 04.5	9.07	3 H	229.011 281 22	+02.167 908 00	3.66	−13.50	1.25	1.32	0.91	1.53	1.78	1.18	−11	−	9	−16	+18	−13	+	7	−11	−22	+17	−	6			0	−0.62
74705	15 16 03.38	−30 43 48.9	8.18	G	229.014 074 86	−30.730 245 40	10.86	−90.60	−69.86	1.01	0.79	1.23	1.22	0.94	+	6	−13	−41	+18	−	4	+25	+	9	+19	−10	−10			0	1.73
74706	15 16 03.71	−46 37 31.2	8.24	H	229.015 444 38	−46.625 343 00	2.01	−26.83	−24.04	0.88	0.76	1.09	0.95	1.02	−27	−15	−12	+	1	+15	−19	+19	+	4	−	6	−36			0	−0.49
74707 H	15 16 04.03	−41 29 28.1	5.15	H	229.016 798 47	−41.491 143 18 *	2.54	−10.38	−4.87	1.30	0.90	0.73	0.91	0.75	−	9	−21	−	4	+	9	+	9	+26	+	9	+19	−21	+	5	2	0.41
74708	15 16 04.12	−06 44 10.8	8.47	H	229.017 158 40	−06.736 328 76	6.00	−29.71	0.79	1.12	0.77	1.14	1.17	0.89	−27	−32	+	7	+46	+	0	+13	+	9	+11	−	6	−11		0	1.26
74709	15 16 04.18	+26 30 19.2	8.70	H	229.017 411 87	+26.505 326 19	3.33	−28.68	2.84	0.92	0.82	1.22	1.11	1.03	−22	−15	+	2	+25	+	2	−19	−	1	+	6	+	5	−37	2	−0.24
74710	15 16 06.84	−45 28 52.4	8.52	H	229.028 502 33	−45.481 230 50	17.30	−95.01	−28.09	0.90	0.80	1.15	1.13	1.10	−31	−	2	−17	+	4	+18	−22	+17	+	3	+	8	−29		0	1.01
74711	15 16 07.14	+13 28 12.9	7.13	H	229.029 733 72	+13.470 241 22	6.25	−0.51	−18.16	0.59	0.50	0.86	0.71	0.91	−15	−17	−20	−27	+14	−	2	+	0	−36	+29	−57			1	−0.84
74712	15 16 07.92	−65 14 47.7	9.68	H	229.032 979 68	−65.246 583 52	12.34	−37.73	−92.81	2.19	2.13	3.59	2.93	3.03	+40	−21	−12	+29	+15	−23	+17	+18	−16	+53					3		
74713	15 16 08.38	+15 32 29.4	8.27	H	229.034 922 54	+15.541 508 83	12.43	−15.01	−88.12	0.85	0.59	1.01	1.01	0.92	−	9	−	4	−	2	−33	−	9	+	2	−11	−18	+	9	−30	0	−0.34
74714	15 16 08.55	−37 30 04.9	8.19	2 H	229.035 610 02	−37.501 365 63	−0.15	2.19	−2.51	0.92	0.62	1.12	1.08	0.97	−30	−28	−	4	+18	−11	+19	−14	+25	+18	−17					2	0.59
74715	15 16 08.67	−21 21 59.6	10.87	H	229.036 141 31	−21.366 542 02	−3.66	−20.34	−13.73	2.50	1.79	2.99	3.29	2.22	−	3	−12	−34	+	5	−	4	+10	−	4	−	3	+28	+18	0	1.98
74716	15 16 10.47	−43 29 05.9	6.05	H	229.043 614 95	−43.484 977 91	3.65	−7.82	−7.76	0.58	0.59	0.80	0.69	0.80	−37	−	9	−36	+	3	+	9	−	8	+10	+	2	+12	−53	0	0.40
74717	15 16 10.48	−32 53 32.7	9.44	H	229.043 660 00	−32.892 416 51	5.45	−131.72	−41.67	1.15	0.97	1.35	1.21	1.20	−13	−24	−21	+	7	−20	+	0	−19	+30	+	2	−29		0	1.54
74718	15 16 11.23	+10 49 32.8	8.73	G	229.046 788 21	+10.825 785 46	4.69	−18.78	11.61	1.13	0.65	1.13	1.24	0.98	+16	−	1	+	0	+46	+13	+20	+	4	−	9	−28	−	9	3	1.62
74719	15 16 11.81	−69 45 01.1	8.45	H	229.049 223 83	−69.750 292 55	2.20	−13.49	−12.16	0.61	0.77	1.01	0.69	0.99	+17	−12	−	2	+	9	+	4	+	9	+	2	+32	−12	+26	0	1.32
74721	15 16 12.38	−29 35 20.3	11.90	2 H	229.051 562 93	−29.588 968 27	8.23	10.73	−14.75	3.29	3.07	4.63	4.07	3.36	−	8	−10	−55	+25	−27	+37	−	7	+33	−	9	−24		5	1.11
74722	15 16 12.46	+30 55 39.2	8.50	H	229.051 933 20	+30.927 549 46	2.93	−28.00	9.67	0.47	0.66	1.04	0.53	0.75	+30	−	6	−	9	−	1	+	4	−12	+	4	+	6	−	5	+17	2	−0.73
74723	15 16 13.65	−31 49 48.2	9.33	H	229.056 872 14	−31.830 042 22	2.43	0.87	−0.71	1.17	1.06	1.48	1.24	1.36	−12	−25	−40	+	1	−36	+23	−16	+47	−30	−49					0	1.15
74724	15 16 15.58	−67 29 04.6	8.39	H	229.064 906 12	−67.484 613 55	6.30	−21.98	−28.36	0.54	0.74	1.14	0.62	0.89	+30	−	8	+	3	−17	+	9	−	8	+	4	+17	−	5	+46	0	−0.92
74725	15 16 17.11	−48 02 40.6	7.05	H	229.071 294 30	−48.044 607 41	4.94	−14.62	−7.76	0.68	0.56	0.86	0.76	0.69	−	6	−32	−14	+34	+12	−	2	+10	+29	+	7	+11			0	−0.20
74726	15 16 18.13	−71 10 36.2	11.65	H	229.075 549 42	−71.176 729 43	−1.95	−6.17	−3.76	1.54	1.82	2.51	1.59	2.15	+20	−27	+15	+	3	−	8	−20	−	7	+18	−	5	+31		1	−1.45
74727	15 16 19.60	+44 34 50.0	8.33	H	229.081 660 20	+44.580 564 79	1.82	−10.80	−5.18	0.77	0.68	0.91	1.01	0.84	+12	+12	−	6	−	7	−10	+22	−10	−16	+	2	+18			0	−0.27
74728	15 16 19.73	−18 37 44.5	8.17	H	229.082 192 35	−18.629 031 67	2.62	−23.68	−19.93	1.11	0.76	1.27	1.21	0.84	−13	−34	−13	+18	+12	+26	+22	−	5	−	1	+	0			0	0.83
74729	15 16 21.19	−62 21 48.2	7.55	H	229.088 292 35	−62.363 399 93	1.80	−7.82	−4.58	0.51	0.65	0.84	0.60	0.78	+	7	−18	−	3	+54	+33	−13	+31	+22	+	3	+	4		0	−0.59
*74730	15 16 21.57	+37 04 10.1	7.10	H	229.089 858 03	+37.069 477 47	28.65	−268.41	27.06	0.54	0.58	0.69	0.64	0.68	−25	+	6	−14	+	8	−	3	−	2	−12	+24	−12	−29		7	3.96
*74731	15 16 21.55	−54 08 03.4	9.03	H	229.089 806 87	−54.134 290 04	9.67	−46.84	−19.53	1.10	1.04	1.51	1.67	1.53	−	3	−21	−45	+39	+21	−28	+	3	−	9	+32	−23		0	−0.01
74732	15 16 23.03	−22 23 57.9	5.52	H	229.095 969 46	−22.399 420 83	6.52	−33.86	1.83	0.86	0.72	1.16	1.27	1.03	−28	−	4	−35	+10	+	2	−37	−15	+12	+34	−27			0	1.06
74733	15 16 23.96	−77 21 15.0	7.39	H	229.099 844 91	−77.354 158 71	1.97	−11.24	−5.62	0.48	0.59	0.67	0.50	0.63	−	1	−18	+	5	−19	+	6	−13	+	2	+21	+10	+	4	0	0.06
74734 H	15 16 25.63	+16 47 40.9	7.66	H	229.106 806 75	+16.794 685 50 A	23.18	−18.13	−168.63	1.07	0.82	1.25	1.17	1.14	+	5	−11	−11	−31	−16	+21	−23	−33	+16	−18				3	0.83
74735	15 16 26.05	+19 09 32.2	8.15	G	229.108 525 48	+19.158 944 86	7.63	−24.30	−24.99	0.83	0.60	1.00	1.06	0.82	+	0	−22	+10	−14	−17	+16	−22	+	0	+16	−	2			0	−0.23
74736	15 16 26.96	−32 39 11.3	8.80	H	229.112 347 50	−32.653 144 27	1.14	−19.28	−5.96	1.18	0.87	1.28	1.39	1.11	−	2	−11	−20	+12	−11	+	3	−11	+28	−	4	−	5		0	0.32
74737	15 16 27.00	+34 56 00.4	9.82	H	229.112 484 15	+34.933 448 46	2.54	−12.57	13.57	1.94	2.17	2.93	2.12	2.57	+22	−11	−11	−22	−12	−	8	−13	−11	+	5	+14				0		
74738	15 16 27.51	+38 47 25.0	8.36	G	229.114 625 43	+38.790 267 91	2.70	−20.88	−5.36	0.65	0.67	0.89	0.79	0.80	+	9	+	0	−15	−	6	−	6	−	1	−	6	−	4	−	3	+	0	1	2.45
74739	15 16 28.51	+16 26 39.8	12.37	3 H	229.118 788 45	+16.444 391 70	−2.01	−16.60	−8.94	2.20	1.72	3.07	2.69	2.49	+	0	−	5	−20	−15	−24	+25	−25	−13	+	3	−18		3	−0.42
74740	15 16 28.56	−44 30 13.1	6.58	H	229.118 997 20	−44.503 627 58	4.81	−69.03	−30.16	0.63	0.64	0.88	0.82	0.97	−40	−11	−25	+13	−	8	−31	−15	+21	+22	−64				0	0.93
74741	15 16 29.95	+23 32 42.0	8.22	H	229.124 784 32	+23.545 009 94	3.75	−10.70	18.82	0.74	0.72	1.09	0.95	1.07	−19	−14	−13	+12	+10	−17	−	4	−22	+16	−51				0	−0.93
74742	15 16 31.28	−55 36 38.9	8.12	H	229.130 320 06	−55.610 810 79	1.53	−8.17	−9.33	0.78	0.86	1.29	0.96	1.03	+	7	−26	−46	+25	+28	−38	+	2	−	3	+37	−24		0	−1.22
74743	15 16 31.39	−13 13 02.3	8.04	H	229.130 772 41	−13.217 305 40	7.07	−36.83	−18.66	1.00	0.77	1.14	1.31	1.10	−54	−	9	−15	+18	−10	−10	−12	+	4	+22	−40			0	−0.20
74744	15 16 31.79	−67 52 41.3	8.64	H	229.132 468 01	−67.878 126 87	4.86	−11.54	−12.58	0.52	0.74	1.04	0.62	0.85	+28	−	6	+	7	+	9	+23	−	1	+18	+41	+	2	+42	0	−0.29
74745	15 16 32.36	−39 33 39.3	6.88	H	229.134 848 32	−39.560 926 41	0.45	8.58	−7.10	0.73	0.53	0.87	0.65	0.68	−13	−34	−	2	−15	−	9	−23	−	9	+	1	−	9	−22	2	0.71
74746	15 16 33.18	+21 37 50.9	9.73	H	229.138 250 10	+21.630 799 08	10.82	−169.72	−60.84	1.01	1.03	1.51	1.34	1.42	−29	+	8	−25	+16	+24	−17	+17	−48	+21	−39				0	−0.65
74747	15 16 33.70	−51 53 57.1	8.40	H	229.140 410 28	−51.899 198 84	9.96	64.10	−31.44	0.87	0.77	1.22	1.14	1.04	+	1	−	8	−14	−16	−13	−39	−24	+18	−11	+	9		4	−0.27
74748	15 16 34.60	−47 41 49.0	7.46	H	229.144 150 11	−47.696 946 40	5.41	27.35	6.58	0.73	0.59	0.97	0.84	0.78	−12	−28	−23	+	4	+16	−25	+	8	+	7	+11	−14		0	1.18
74749	15 16 35.79	+09 42 46.8	6.74	H	229.149 111 28	+09.713 006 60	9.35	29.95	−5.96	1.68	0.82	0.91	1.76	0.92	+69	−40	−22	−45	−54	+24	−53	−53	+18	+63				0	2.10
74750 H	15 16 36.69	−60 54 14.4	5.74	G	229.152 893 66	−60.903 986 60 A	1.70	−1.55	−4.09	0.75	0.67	0.89	0.73	0.74	+17	−25	−15	+25	+29	−	3	+24	+22	+	9	+46			6	0.77
74751	15 16 37.05	−68 18 12.1	8.95	H	229.154 370 71	−68.303 360 92	2.49	−5.98	−11.13	0.57	0.74	0.96	0.66	0.90	+14	−11	+	4	+	3	+	4	−	3	+	4	+37	−	2	+17	0	−0.81
74752	15 16 37.17	−42 22 12.3	6.76	H	229.154 863 10	−42.370 090 41	7.29	−22.78	−26.95	0.58	0.48	0.75	0.66	0.62	−20	−24	−13	+16	+	7	−	9	+	5	+11	+	9	−11		0	1.68
74753	15 16 37.91	−67 39 38.5	8.99	H	229.157 969 54	−67.660 686 65	0.72	−6.04	−5.96	0.56	0.79	1.12	0.68	0.93	+35	−13	−	3	+	4	+16	−	7	+13	+30	−	2	+44		0	0.58
74754	15 16 39.22	−44 21 30.4	7.95	H	229.163 430 37	−44.358 443 03	8.92	24.61	−20.24	0.77	0.75	1.03	0.90	1.00	−39	−	5	−28	+	1	+	6	−19	+	3	+10	+	3	−49		0	1.74
74755	15 16 39.47	+47 37 51.1	8.57	H	229.164 452 74	+47.630 869 88	2.73	1.14	7.90	0.68	0.76	0.85	0.93	0.96	+	7	−	5	−18	+	4	+	2	+	2	+	1	+32	−	7	+11	0	−0.94
74756	15 16 40.21	+60 05 57.5	7.62	H	229.167 538 32	+60.099 317 91	3.99	−47.73	3.81	0.60	0.63	0.68	0.70	0.75	−	3	−15	−20	+	8	+	4	−	7	+	7	+22	−13	−18	3	−1.91
74757	15 16 43.30	+25 13 05.5	10.01	H	229.180 396 14	+25.218 198 12	14.17	−177.23	−115.54	1.31	1.25	1.75	1.61	1.72	−30	−12	−	1	+46	−12	−19	−23	+19	+10	−63				3	1.07
74758	15 16 43.72	+45 49 40.8	9.21	1 H	229.182 170 74	+45.827 989 73	2.92	−55.37	31.65	0.86	0.84	1.03	0.94	1.05	+19	+	8	−	5	+13	−	7	+19	−	8	+	2	+	5	+11	5	1.71
74759	15 16 45.00	−69 52 39.9	7.77	H	229.187 512 40	−69.877 737 93	4.44	4.54	−9.16	0.53	0.68	0.87	0.63	0.91	+22	−12	+	0	−	1	+	3	+	1	−	2	+27	−	8	+37	0	1.84
74760	15 16 45.20	−20 00 04.8	8.65	H	229.188 349 26	−20.001 340 08	5.48	0.63	−62.96	0.98	0.75	1.14	1.06	0.80	−17	−28	−14	+	3	−	1	+25	+	7	+	5	−13	−	5	0	−0.95
74761	15 16 45.25	−00 03 09.0	9.95	G	229.188 549 81	−00.052 491 99	5.72	26.35	14.52	1.53	1.15	1.79	1.90	1.34	−33	−10	−21	+16	+	1	+16	+	9	−41	+	7	−25		0	−0.97
74762	15 16 46.79	−53 13 25.6	9.43	H	229.194 973 96	−53.223 767 90	2.03	−10.70	−12.18	0.90	0.93	1.28	1.12	1.20	−	8	+	9	−34	+	8	+	2	+	7	+	7	+14	+15	−10	2	1.97
74763	15 16 47.09	+75 15 33.6	8.15	H	229.196 200 72	+75.259 342 17	3.14	−24.95	13.99	0.56	0.60	0.65	0.60	0.64	+	9	−18	−30	−10	−	7	+	0	−	5	−	3	−12	+	2	0	0.82
74764	15 16 48.47	−10 30 22.6	9.15	H	229.201 947 82	−10.506 270 45	6.69	48.66	−21.93	1.13	0.76	1.30	1.24	0.94	−19	−28	−18	+26	−13	+29	−	1	+21	−16	−21				0	−0.89
74765	15 16 48.59	−13 02 21.1	7.25	2 T	229.202 472 78	−13.039 196 02	7.90	21.18	−1.49	0.83	0.60	0.91	1.02	0.78	−39	−27	−	5	+21	−21	−11	−24	+14	+14	−25				0	1.28
74766	15 16 49.93	−51 02 51.2	7.93	H	229.208 041 24	−51.047 568 36	2.56	15.43	2.29	0.69	0.65	0.91	0.66	0.74	−	7	−31	−	8	+	2	−	9	−15	−10	+19	+	2	−17	0	−0.40
74767	15 16 50.24	+57 51 20.0	8.72	H	229.209 320 82	+57.855 558 07	2.04	18.41	−14.94	0.69	0.72	0.83	0.78	0.81	−11	+	3	−14	−	7	−15	+	2	−14	−	4	−	7	−42	0	−0.89
74768	15 16 50.52	+02 42 33.7	9.66	H	229.210 502 42	+02.709 353 79	4.20	−45.33	−24.17	1.24	0.97	1.52	1.58	1.26	−22	−14	−30	+26	−25	+12	−28	−	5	+10	−34				0	−0.33
74769	15 16 51.84	−47 51 52.2	6.46	H	229.216 017 75	−47.864 496 97	5.77	−63.04	−19.50	0.64	0.51	0.78	0.73	0.65	−	7	−33	−11	+29	+16	−	6	+16	+17	+	6	+	6		0	1.37
74770	15 16 52.53	+57 22 43.2	9.10	H	229.218 855 62	+57.378 678 27	3.67	−10.90	12.54	0.72	0.74	0.85	0.73	0.82	+	3	+12	−	9	−23	−12	−	5	−12	−17	+	0	−28		0	−1.25
74771 H	15 16 53.07	−08 17 06.1	7.85	G	229.221 130 88	−08.285 016 26 A	26.34	−100.38	−224.79	2.06	1.53	2.35	3.14	2.13	−34	−16	−28	−10	−27	−16	−39	+16	+17	−25				5	−0.21
74772	15 16 53.40	−49 34 17.4	9.82	H	229.222 489 94	−49.571 495 01	4.24	−14.60	−18.39	1.22	1.11	1.57	1.59	1.53	−14	−19	−28	+36	−13	+18	−	8	+47	−	1	−18			2	2.94
*74773	15 16 53.86	+25 45 14.8	8.32	H	229.224 423 78	+25.754 122 37	14.86	8.75	−67.38	0.90	0.75	1.11	1.04	0.93	−26	−26	+	1	+44	−13	−24	−19	+15	+	1	−48			0	1.36
*74774	15 16 53.77	−11 00 47.2	9.41	H	229.224 060 81	−11.013 111 02	2.39	−42.77	0.49	1.20	0.79	1.31	1.41	0.99	−24	−10	−18	+38	−17	+31	−	9	+18	−	9	−20			0	0.45
74775	15 16 55.08	−46 12 08.3	6.44	H	229.229 491 30	−46.202 291 88	18.75	−132.80	−26.01	0.60	0.54	0.82	0.70	0.78	−27	−21	−26	+	5	+	6	−25	+	4	+12	+	1	−47		0	0.22
74776	15 16 55.60	+14 13 29.4	8.33	H	229.231 657 32	+14.224 840 91	1.80	−22.69	21.51	0.84	0.60	1.23	1.01	1.07	−	2	−32	−15	−28	−23	+26	−37	−25	+30	−19				0	1.12
74777	15 16 55.91	−05 50 36.1	9.64	G	229.232 960 50	−05.843 369 07	4.78	1.80	−4.56	1.30	0.96	1.57	1.46	1.17	−25	−34	−25	+14	+	1	+	9	+	2	−16	+13	−27			0	1.28
74778	15 16 56.90	−60 57 26.1	5.04	2 G	229.237 076 33	−60.957 244 79	0.51	−2.02	−4.08	0.53	0.47	0.71	0.51	0.55	+12	−47	−22	−	1	+	8	−	7	+	4	+10	+	4	+	0	2	0.05
74779	15 16 57.97	−30 22 02.5	9.31	H	229.241 557 19	−30.367 374 55	4.73	5.08	−9.71	1.44	1.18	1.79	1.80	1.38	−	2	−	6	−43	+26	−	5	+26	+	9	+25	−15	−11		0	1.18
74780	15 16 58.90	+28 29 01.8	8.79	H	229.245 437 13	+28.483 827 79	2.78	−8.57	−2.15	0.82	0.73	1.13	0.93	0.90	+21	−25	−22	+32	−	4	−15	−	8	+	5	−12	+	8		0	0.34
74781	15 16 58.96	+19 38 43.9	8.57	H	229.245 681 58	+19.645 521 22	14.52	−15.45	−122.32	1.01	0.67	1.18	1.26	0.92	−	2	−30	+11	−19	−20	+16	−25	−10	+	7	+	0			0	−0.36
74782	15 16 59.41	−38 26 51.3	6.86	G	229.247 551 16	−38.447 588 58	21.70	−77.56	−8.01	0.78	0.56	0.91	1.02	0.78	−17	−22	+	2	+	8	+	0	−	6	+	0	+11	−	7	+25	0	1.29
74783	15 16 59.54	−14 35 53.7	8.68	H	229.248 071 88	−14.598 255 45	3.32	10.51	−9.62	1.09	0.85	1.42	1.25	1.33	−49	−17	−25	+	4	+15	−16	+	5	−32	+45	−51			0	−0.42
74784 H	15 16 59.91	−61 07 14.1	8.12	H	229.249 605 43	−61.120 589 53 A	0.72	−1.97	−3.87	1.36	1.16	1.55	1.55	1.42	+17	−13	+	2	+16	+38	+	4	+33	+27	+20	+37			5	0.86
74785	15 17 00.47	−09 22 58.3	2.61	G	229.251 965 91	−09.382 866 94	20.38	−96.39	−20.76	0.75	0.52	0.87	0.89	0.68	−19	−37	−	9	+17	−	7	+12	+	8	+10	−28	−	6		0	−0.73
*74786	15 17 01.57	−15 34 38.6	8.62	H	229.256 542 62	−15.577 377 28 A	5.66	2.62	2.88	1.89	1.46	2.14	2.15	2.15	−43	−	3	−26	+13	−10	−32	−19	−	2	+57	−57			0	0.37
*74787	15 17 01.53	−39 56 38.7	8.67	H	229.256 372 31	−39.944 095 20	0.81	−4.07	−2.38	1.01	0.74	1.27	1.04	0.99	−25	−33	+	3	−	5	−	8	−26	−12	+10	−	4	−11		0	−0.93
74788	15 17 03.93	−37 43 28.7	8.31	G	229.266 381 59	−37.724 630 25	10.11	−114.40	−76.41	0.97	0.65	1.12	1.13	1.00	−25	−31	−	2	+22	−10	+	8	−14	+29	+11	−11			0	1.02
74789	15 17 03.94	+41 17 08.5	8.71	G	229.266 406 17	+41.285 695 55	2.52	−6.64	−15.83	0.71	0.80	0.96	0.87	0.93	+	9	−	1	+	1	+	0	+	7	+12	+	7	+	2	+10	+	6	2	0.47
74790	15 17 04.23	+05 29 37.1	10.65	H	229.267 619 17	+05.493 626 98	4.37	30.04	−18.32	2.06	1.14	2.22	2.68	1.60	+	0	−42	−	3	+	4	−31	−	1	−32	−15	+15	+	6		0	−1.57
74791 H	15 17 04.72	−50 30 41.4	9.70	H	229.269 669 98	−50.511 512 70 *	−1.01	−16.61	−7.57	2.13	1.99	1.93	1.60	1.81	−18	−12	−	7	+	8	+	3	−15	+	2	+21	−	8	−11	1	0.49
74792	15 17 05.13	+28 50 53.7	9.25	H	229.271 373 03	+28.848 237 39	10.16	−140.23	76.02	0.79	0.92	1.44	0.86	1.11	+23	−15	−19	+	1	−	6	+	0	−	3	+24	−11	+11		1	0.02
74793	15 17 05.88	+71 49 26.0	5.02	H	229.274 506 64	+71.823 878 44	8.37	3.73	9.37	0.43	0.41	0.46	0.53	0.45	+	2	−	9	−21	+	0	−	6	+	0	−	4	+11	−15	−12	0	1.93
74794	15 17 06.17	+17 04 00.0	8.41	1 H	229.275 713 68	+17.066 659 94	1.83	−31.05	−2.02	0.85	0.66	1.14	0.98	1.01	−	7	−19	+	2	−18	−15	+19	−24	−13	+17	−24			0	1.91
74795	15 17 07.87	−56 23 02.4	7.41	H	229.282 791 48	−56.383 988 45	6.90	−55.44	−48.56	0.69	0.76	1.02	0.91	0.91	−	2	−16	−28	+32	+26	−26	+13	+	8	+32	−	2			0	1.32
74796	15 17 09.37	+00 15 07.6	9.58	H	229.289 036 20	+00.252 106 21	0.95	−48.04	3.56	1.42	0.95	1.61	1.74	1.13	−23	−19	−16	+26	−12	+10	−	9	−21	+	9	−20			2	0.40
*74797	15 17 10.72	−34 34 37.3	7.99	H	229.294 675 62	−34.577 019 76

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
74701	7.235	0.005	6.769	0.004	*	0.457	0.006	G	0.49	0.02	A *	6.8225	0.0009	0.010	180	*	6.81	6.85		D	15160−7025	H 1	2 C S A	AB	201	0.177	0.006	0.61	0.23	S
74702	7.968	0.010	7.014	0.008		0.830	0.002	G	0.87	0.00	H	7.0630	0.0012	0.010	67		7.05	7.08					1							S
74703	7.878	0.012	7.337	0.012	*	0.512	0.003	G	0.58	0.00	H *	7.3559	0.0018	0.010	56	*	7.34	7.37		D	15160−0454	I 1	2 C A	AB	229	0.573	0.003	0.40	0.01	S
74704	11.236	0.088	9.360	0.027		1.592	0.076	T	2.99	0.09	O	8.9794	0.0165	0.160	67		8.66	9.31		U 2 C			1 S							
74705	8.932	0.018	8.260	0.015		0.649	0.015	G	0.71	0.01	H	8.3035	0.0015	0.010	51		8.28	8.32		D			1							S
74706	10.368	0.034	8.434	0.013		1.640	0.030	T	1.94	0.08	O	8.3279	0.0023	0.018	87		8.30	8.36					1 S							
74707	5.861	0.002	5.238	0.002	*	0.564	0.004	G	0.68	0.03	C *	5.2833	0.0006	0.004	116	*	5.27	5.29		D	15161−4129	H 1	2 C A	AB	30	0.271	0.003	1.37	0.02	S
74708	8.668	0.015	8.508	0.017		0.154	0.021	T	0.17	0.02	L	8.5257	0.0023	0.013	57		8.50	8.55		C			1							S
74709	10.125	0.028	8.826	0.016		1.104	0.025	T	1.07	0.03	L	8.8641	0.0013	0.018	101		8.84	8.90		D			1							
74710	9.309	0.021	8.615	0.018		0.640	0.023	T	0.70	0.02	L	8.6581	0.0020	0.015	80		8.63	8.68					1							
74711	8.232	0.008	7.227	0.005		0.878	0.007	T	0.89	0.01	L	7.2874	0.0009	0.010	140		7.27	7.31					1							S
74712	10.590	0.029	9.752	0.023		0.737	0.028	T	0.78	0.02	L	9.8207	0.0023	0.030	199		9.77	9.88					1 X S							G
74713	9.019	0.011	8.349	0.010		0.620	0.012	T	0.69	0.01	L	8.4035	0.0015	0.018	143		8.37	8.43		C			1							S
74714	10.530	0.047	8.441	0.016		1.728	0.040	T	1.75	0.04	L	8.2908	0.0032	0.028	86		8.23	8.34		U 2			1 S							
74715						1.495	0.400	G	1.52	0.60	R	10.9959	0.0106	0.060	50		10.92	11.18					1							G
74716	5.878	0.003	6.022	0.004		−0.128	0.002	G	−0.12	0.00	H	6.0091	0.0009	0.008	84		6.00	6.02					1							S
74717	9.876	0.028	9.492	0.030		0.364	0.038	T	0.43	0.04	L	9.5239	0.0033	0.017	61		9.49	9.57		C			1							
74718	9.208	0.014	8.761	0.014		0.390	0.020	G	0.46	0.02	H	8.8175	0.0014	0.018	98		8.79	8.86		D			1							S
74719	8.660	0.009	8.466	0.010		0.186	0.013	T	0.20	0.01	L	8.5102	0.0018	0.019	169		8.48	8.54		C			1							
74721											T	12.0474	0.0121	0.071	53		11.86	12.19		U			1							D
74722	9.887	0.013	8.607	0.008		1.089	0.012	T	1.05	0.01	L	8.6674	0.0015	0.018	248		8.64	8.70		C			1							
74723	11.302	0.098	9.411	0.030		1.571	0.081	T	1.59	0.08	L	9.4487	0.0035	0.018	59		9.42	9.48		C			1							
74724	8.952	0.015	8.481	0.015		0.444	0.019	T	0.51	0.02	L	8.4914	0.0016	0.021	248		8.46	8.54					1							
74725	7.214	0.007	7.060	0.008		0.148	0.010	T	0.16	0.01	L	7.1011	0.0015	0.010	80		7.08	7.11					1 S							S
74726											T	11.7889	0.0058	0.057	158		11.69	11.89					1							D
74727	9.724	0.017	8.452	0.011		1.083	0.016	T	1.05	0.01	L	8.4968	0.0021	0.017	118		8.47	8.54					1 G							
74728	9.645	0.026	8.323	0.016		1.122	0.024	T	1.08	0.03	L	8.3342	0.0019	0.011	50		8.31	8.35		C			1							
74729	7.566	0.006	7.555	0.008		0.015	0.009	T	0.03	0.01	L	7.5676	0.0009	0.011	155		7.55	7.59		C			1							S
74730	7.818	0.006	7.170	0.006		0.601	0.007	T	0.67	0.01	L	7.2272	0.0008	0.010	138		7.21	7.25		C			1 G							S
74731	9.680	0.027	9.097	0.025		0.546	0.027	T	0.62	0.03	L	9.1470	0.0020	0.021	68		9.12	9.18					1							
74732	7.271	0.010	5.668	0.004		1.357	0.006	G	1.32	0.01	H	5.6675	0.0012	0.006	52		5.66	5.68		C			1							S
74733	8.716	0.011	7.494	0.007		1.044	0.010	T	1.01	0.01	L	7.5527	0.0011	0.013	142		7.53	7.58					1							S
74734	8.388	0.009	7.741	0.007	A	0.500	0.495	G	0.63	0.01	L *	7.7801	0.0014	0.014	135	*	7.76	7.80			15164+1648	I 1	2 C A	AB	293	5.433	0.031	3.63	0.12	S
74735	8.544	0.010	8.166	0.010		0.342	0.015	G	0.40	0.02	H	8.2330	0.0017	0.014	107		8.20	8.27					1							S
74736	10.030	0.033	8.930	0.022		0.950	0.030	T	0.94	0.02	L	8.9592	0.0027	0.015	53		8.94	8.98		C			1							
74737	11.238	0.048	9.911	0.024		1.126	0.042	T	1.09	0.04	L	9.9869	0.0029	0.032	178		9.93	10.05		C			1 X							
74738	9.640	0.016	8.466	0.010		1.030	0.015	G	1.00	0.01	H	8.5261	0.0017	0.017	139		8.50	8.56					1							S
74739											T	12.4057	0.0713	0.570	115		11.26	12.79	1.17	P 1 A			1							D
74740	8.452	0.014	6.737	0.006		1.431	0.012	T	1.42	0.02	L	6.7174	0.0015	0.009	80		6.70	6.73					1							S
74741	9.816	0.022	8.368	0.012		1.221	0.020	T	1.18	0.02	L	8.3855	0.0017	0.016	114		8.35	8.41		C			1							S
74742	9.990	0.031	8.299	0.015		1.412	0.027	T	1.39	0.03	L	8.2624	0.0013	0.013	70		8.24	8.29		C			1							
74743	8.389	0.012	8.051	0.012		0.280	0.015	G	0.32	0.02	H	8.1128	0.0017	0.010	68		8.09	8.14		C			1							S
74744	8.744	0.008	8.655	0.010		0.080	0.012	T	0.09	0.01	L	8.6682	0.0017	0.020	233		8.63	8.71					1							
74745	8.798	0.013	7.035	0.007		1.469	0.012	T	1.48	0.02	L	7.0059	0.0013	0.012	92		6.99	7.02					1							S
74746	10.547	0.034	9.814	0.029		0.657	0.034	T	0.72	0.03	L	9.8631	0.0035	0.030	123		9.80	9.92					1							
74747	8.862	0.017	8.423	0.017		0.428	0.019	T	0.50	0.02	L	8.4980	0.0017	0.017	72		8.48	8.52		C			1							
74748	9.140	0.019	7.584	0.011		1.306	0.017	T	1.27	0.02	L	7.6159	0.0007	0.009	87		7.60	7.63		D			1							S
74749	7.150	0.007	6.772	0.006		0.342	0.002	G	0.34	0.03	C	6.8205	0.0007	0.007	105		6.81	6.83		C			1 G							S
74750	5.619	0.004	5.742	0.004	A	−0.057	0.015	G	−0.08	0.01	L *	5.7053	0.0006	0.006	100	*	5.69	5.72		D	15166−6054	I 1	2 C A	AB	163	1.204	0.016	2.86	0.05	S
74751	8.984	0.011	8.944	0.014		0.036	0.016	T	0.05	0.01	L	8.9705	0.0018	0.024	216		8.93	9.01					1							
74752	6.716	0.004	6.752	0.006		−0.034	0.003	G	−0.01	0.00	H	6.7577	0.0007	0.005	95		6.75	6.77					1							S
74753	8.966	0.009	8.990	0.012		−0.017	0.014	T	0.01	0.01	L	8.9951	0.0018	0.023	247		8.96	9.03					1 S							
74754	8.461	0.012	8.002	0.012		0.463	0.015	G	0.53	0.02	H	8.0549	0.0014	0.012	85		8.04	8.08		C			1							S
74755	9.999	0.021	8.713	0.013		1.094	0.019	T	1.06	0.02	L	8.7367	0.0016	0.017	122		8.71	8.77		C			1							
74756	9.587	0.019	7.784	0.009		1.501	0.017	T	1.53	0.03	L	7.7415	0.0018	0.016	100		7.72	7.77					1							S
74757	10.926	0.045	10.136	0.035		0.701	0.043	T	0.75	0.04	L	10.1403	0.0045	0.035	112		10.07	10.20					1							
74758	10.345	0.030	9.283	0.021		0.921	0.028	T	0.92	0.02	L	9.3721	0.0021	0.024	126		9.32	9.41		U			1							
74759	8.207	0.007	7.802	0.008		0.383	0.015	G	0.45	0.02	H	7.8588	0.0014	0.016	168		7.83	7.89					1							S
74760	9.341	0.020	8.730	0.018		0.567	0.020	T	0.64	0.02	L	8.7703	0.0018	0.011	55		8.75	8.79		C			1							
74761	10.582	0.060	9.891	0.052		0.672	0.015	G	0.73	0.01	H	10.0840	0.0036	0.021	64		10.05	10.11		C			1							
74762	9.623	0.020	9.438	0.025		0.170	0.031	T	0.19	0.03	L	9.4873	0.0020	0.022	78		9.46	9.53		C			1							G
74763	9.475	0.016	8.266	0.010		1.034	0.015	T	1.01	0.01	L	8.3220	0.0012	0.013	127		8.30	8.35		C			1							S
74764	9.856	0.031	9.189	0.027		0.547	0.020	G	0.62	0.02	H	9.2673	0.0023	0.018	76		9.24	9.30		C			1							
74765	7.507	0.015	7.275	0.016		0.221	0.021	T	0.24	0.02	L	7.3081	0.0188	0.105	68		7.18	7.56	0.88	P 1 A			1 S							S
74766	10.034	0.027	8.107	0.011		1.599	0.023	T	1.62	0.02	L	8.0447	0.0017	0.016	89		8.02	8.07					1							
74767	10.207	0.024	8.828	0.014		1.167	0.022	T	1.13	0.02	L	8.8905	0.0016	0.018	111		8.86	8.92					1							
74768	10.307	0.041	9.741	0.038		0.529	0.050	T	0.60	0.05	L	9.7712	0.0022	0.018	62		9.74	9.80		C			1							
74769	7.636	0.008	6.566	0.006		0.927	0.008	T	0.92	0.01	L	6.6241	0.0012	0.007	86		6.61	6.64					1							S
74770	10.710	0.043	9.209	0.020		1.263	0.037	T	1.22	0.04	L	9.2604	0.0023	0.021	99		9.23	9.30					1							
74771	8.918	0.022	8.126	0.018	A	0.748	0.003	G	0.79	0.00	H *	7.9906	0.0020	0.011	48	*	7.97	8.01		D	15169−0817	I 1	2 C A	AB	16	5.998	0.007	1.64	0.03	S
74772	10.369	0.036	9.907	0.038		0.435	0.048	T	0.50	0.05	L	9.9169	0.0034	0.024	87		9.88	9.97		C			1							G
74773	9.031	0.014	8.388	0.012		0.597	0.016	T	0.67	0.01	L	8.4489	0.0018	0.021	105		8.43	8.50					1							S
74774	10.651	0.059	9.538	0.035		0.959	0.053	T	0.95	0.04	L	9.5770	0.0034	0.019	72		9.54	9.60					1							
74775	7.038	0.005	6.497	0.004		0.514	0.005	T	0.59	0.01	L	6.5559	0.0009	0.007	90		6.55	6.57		C			1							S
74776	9.597	0.017	8.436	0.011		1.020	0.015	G	0.99	0.01	H	8.4929	0.0013	0.015	147		8.47	8.53		C			1							S
74777	10.096	0.036	9.641	0.037		0.443	0.015	G	0.51	0.02	H	9.7316	0.0028	0.021	68		9.70	9.77		C			1							
74778	4.953	0.008	5.062	0.009		−0.077	0.003	G	−0.06	0.00	H	5.0377	0.0016	0.062	94		5.02	5.17	3.90	P 1 A	15169−6057	I 1	1							S
74779	11.221	0.142	9.445	0.051		1.480	0.119	T	1.50	0.18	L	9.4391	0.0028	0.022	48		9.40	9.47					1							
74780	9.151	0.012	8.814	0.013		0.320	0.017	T	0.37	0.02	L	8.8681	0.0015	0.016	122		8.84	8.90		C			1							S
74781	9.229	0.018	8.615	0.016		0.572	0.021	T	0.64	0.02	L	8.6978	0.0021	0.013	98		8.66	8.73		C			1							S
74782	7.336	0.007	6.914	0.005		0.433	0.015	G	0.50	0.02	H	6.9524	0.0013	0.009	87		6.94	6.97					1							S
74783	10.347	0.035	8.827	0.017		1.278	0.031	T	1.24	0.03	L	8.8404	0.0014	0.012	73		8.82	8.86					1							
74784	8.185	0.020	8.269	0.027	A						T *	8.0472	0.0022	0.018	90	*	8.02	8.07		D	15170−6107	I 1	2 C A	AB	75	7.900	0.007	1.50	0.03	S
74785	2.515	0.004	2.598	0.003		−0.071	0.004	T	−0.08	0.02	A	2.5740	0.0006	0.005	59		2.57	2.58					1							S
74786	8.858	0.015	8.630	0.017	A	0.218	0.022	T	0.24	0.03	L	8.6894	0.0085	0.017	93	A	8.64	8.73			15170−1535	I 1	2 C C	AB	303	10.475	0.069	3.47	0.21	S
74787	10.620	0.042	8.807	0.017		1.509	0.036	T	1.54	0.05	L	8.7949	0.0023	0.015	85		8.76	8.82					1							
74788	9.061	0.015	8.367	0.013		0.652	0.015	G	0.72	0.01	H	8.4424	0.0018	0.014	86		8.42	8.46		C			1							
74789	10.141	0.022	8.833	0.013		1.129	0.037	G	1.14	0.03	H	8.8590	0.0032	0.025	136		8.82	8.91		R	15171+4117	I 1	1							S
74790	11.261	0.087	10.593	0.077		0.480	0.072	G	0.55	0.08	R	10.7604	0.0032	0.032	67		10.69	10.82					1							G
74791	10.387	0.035	9.758	0.033	*	0.585	0.042	T	0.66	0.04	L *	9.8273	0.0036	0.025	87	*	9.77	9.89			15171−5031	H 1	2 C A	AB	193	0.243	0.010	0.74	0.19	G
74792	9.961	0.019	9.340	0.018		0.600	0.015	G	0.67	0.01	H	9.3788	0.0027	0.028	167		9.33	9.42			15171+2851	I 1	1							
74793	6.808	0.007	5.171	0.003		1.369	0.002	G	1.34	0.00	H	5.1671	0.0005	0.005	107		5.16	5.17					1							S
74794	10.399	0.031	8.584	0.013		1.542	0.028	T	1.76	0.09	O	8.5079	0.0025	0.022	123		8.47	8.55		U			1							
74795	8.878	0.014	7.535	0.008		1.139	0.013	T	1.10	0.01	L	7.5744	0.0013	0.011	74		7.55	7.59		C			1							
74796	10.155	0.043	9.626	0.042		0.496	0.054	T	0.57	0.06	L	9.6862	0.0024	0.017	55		9.65	9.72		D			1							
74797	8.224	0.009	8.009	0.011	A	0.205	0.013	T	0.23	0.01	L	8.0499	0.0117	0.018	102	A	8.02	8.08			15172−3435	I 1	2 C B	AB	5	17.993	0.028	2.84	0.15	S
74798	9.228	0.013	8.803	0.013		0.415	0.015	T	0.48	0.02	L	8.8831	0.0018	0.023	153		8.85	8.93			15172−7341	I 1	1							
74799	10.528	0.030	8.799	0.013		1.442	0.026	T	1.44	0.04	L	8.8083	0.0015	0.019	123		8.78	8.84		C			1							
74800	8.855	0.021	7.646	0.014		1.034	0.020	T	1.01	0.02	L	7.6989	0.0018	0.010	48		7.68	7.73					1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg	mas	mas/yr		mas		mas	mas/yr												%	
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
74801	15 17 13.89	−66 05 32.2	6.84	H	229.307 859 85	−66.092 290 87	3.75	21.76	3.21	0.35	0.47	0.68	0.38	0.60	+12	− 2	+ 5	−20	− 4	−15	− 5	+12	−10	+18	0	0.63
74802	15 17 14.72	+36 21 33.4	11.79	3 H	229.311 325 17	+36.359 283 46	3.68	−13.30	0.34	1.05	1.21	1.66	1.41	1.68	+ 7	+ 7	−13	− 1	+10	−24	+ 8	− 3	− 2	+ 7	0	0.61
74803	15 17 15.10	+20 59 47.4	8.26	H	229.312 934 23	+20.996 500 37	5.23	−15.61	−16.69	0.68	0.78	1.07	0.89	1.09	−23	− 6	−18	+24	+30	−25	+18	−48	+20	−40	0	−0.74
74804	15 17 15.76	−04 11 03.7	8.45	G	229.315 682 99	−04.184 367 97	6.53	−33.98	−28.60	1.12	0.79	1.25	1.29	0.95	−25	−28	− 1	+15	−22	−26	−23	− 1	− 1	−27	0	1.98
74805	15 17 16.59	−08 37 31.0	9.33	G	229.319 120 62	−08.625 280 88	5.65	−27.11	−3.45	1.50	1.12	1.80	1.98	1.51	−32	−13	−34	+22	−18	+ 0	−16	+ 9	−15	−29	0	−1.44
74806	15 17 16.82	+71 12 40.3	7.27	H	229.320 063 31	+71.211 199 07	6.24	4.19	−11.82	0.52	0.51	0.55	0.57	0.55	+ 1	−15	−19	−12	−15	+ 5	−14	+12	− 1	− 2	0	0.10
74807	15 17 17.47	−41 55 37.2	7.57	2 H	229.322 776 95	−41.927 008 98	0.01	−4.15	−6.79	0.73	0.57	0.99	0.80	0.76	−25	−28	− 3	+10	+ 5	−22	+ 7	+15	− 9	−16	0	−0.02
74808	15 17 17.71	+62 46 15.7	6.81	H	229.323 800 44	+62.771 021 08	6.24	−3.99	5.03	0.50	0.50	0.55	0.52	0.53	+13	− 6	−10	−10	− 9	−12	− 5	+16	−22	− 1	1	1.02
74809	15 17 17.89	+11 08 03.9	10.32	H	229.324 534 84	+11.134 403 19	3.93	17.70	−12.44	1.63	1.06	1.72	1.67	1.55	+ 6	−35	− 9	+39	+11	− 7	+ 6	− 2	+ 2	−13	0	0.43
74810	15 17 18.90	+42 33 57.0	7.48	H	229.328 753 03	+42.565 820 27	7.60	−51.59	23.00	0.51	0.54	0.65	0.59	0.62	+15	+ 8	− 3	−10	−17	− 4	−16	+ 1	−17	− 3	0	0.53
74811	15 17 19.61	+05 41 39.1	8.79	H	229.331 701 95	+05.694 191 40	0.04	−11.22	−14.19	1.20	0.74	1.31	1.71	1.08	− 3	− 7	+ 8	+10	−15	−18	−16	−16	− 7	− 7	0	0.77
74812	15 17 20.36	+77 11 09.5	8.30	H	229.334 834 63	+77.185 979 46	4.93	−17.23	9.79	0.59	0.73	0.71	0.57	0.80	+ 9	−21	−30	−15	+ 0	+ 3	+ 0	−18	+ 3	−10	0	0.05
74813	15 17 20.52	+04 58 15.7	9.13	H	229.335 488 97	+04.971 026 72	5.96	−29.45	21.74	1.22	0.82	1.40	1.84	1.08	−19	− 9	− 7	+17	−22	+10	−19	−10	+15	−13	0	0.52
74814 H	15 17 20.90	+09 22 47.0	8.42	G	229.337 096 44	+09.379 724 31 A	6.06	−8.26	−6.41	2.27	1.24	2.02	3.20	1.66	−18	−18	− 7	+26	− 1	+30	+ 4	−10	+ 2	+ 6	1	−0.22
74815	15 17 21.23	−27 59 49.8	11.08	G	229.338 448 96	−27.997 168 07	41.21	−64.34	5.83	30.32	15.12	3.88	60.64	32.90	+99	− 9	− 8	−97	−97	+ 0	−97	−96	− 7	+99	4	−1.48
74816	15 17 21.44	−58 22 04.6	7.69	H	229.339 340 61	−58.367 956 37	2.97	−18.81	−17.74	0.77	0.66	1.03	1.07	0.92	+31	− 9	−12	+24	+32	−25	+33	− 1	+ 2	+37	2	1.60
74817 H	15 17 22.50	+43 47 36.9	8.72	G	229.343 757 43	+43.793 585 77 A	3.59	1.59	−23.77	2.21	2.25	2.20	2.05	1.76	+ 1	−14	+ 5	+ 4	− 3	+10	− 2	− 6	−13	−15	5	2.17
74818	15 17 22.65	+74 02 42.2	6.67	H	229.344 384 10	+74.045 059 44	10.41	−16.91	33.59	0.49	0.45	0.52	0.49	0.49	+ 4	−28	− 6	− 3	+ 8	+ 3	+ 9	+ 8	− 7	+10	0	0.76
74819	15 17 25.30	+07 39 49.2	10.50	H	229.355 414 55	+07.663 666 89	4.86	−10.94	2.15	1.96	0.93	2.19	2.09	1.59	+23	−50	−21	+21	+ 0	−14	−32	−23	+32	−28	0	−0.09
74820 H	15 17 25.40	−54 14 14.6	8.17	H	229.355 839 26	−54.237 375 74 A	0.74	−2.71	−6.89	1.52	1.79	2.14	1.95	1.86	−15	− 1	−61	+26	+11	−18	+ 6	+14	+ 2	−15	0	−0.50
74821	15 17 27.68	+22 17 59.0	7.84	H	229.365 352 41	+22.299 716 97	20.86	−97.86	61.84	0.63	0.69	0.97	0.81	0.97	−15	+10	−20	+22	+19	−24	+11	−33	+12	−26	3	1.12
74822	15 17 28.58	+27 00 58.3	8.28	H	229.369 095 47	+27.016 192 25	1.17	−3.77	−10.08	0.86	0.74	1.11	1.05	0.97	−17	−11	+ 5	− 7	+ 8	−15	+10	− 7	+ 5	−33	1	1.23
74823 H	15 17 29.09	−28 46 34.2	9.86	G	229.371 205 18	−28.776 175 73 *	3.88	5.98	−26.83	4.80	3.66	2.55	2.86	1.79	+38	− 8	−56	+14	−10	+27	+ 4	+21	−16	+44	0	−0.73
74824	15 17 30.96	−58 48 03.2	4.07	H	229.379 000 90	−58.800 878 82	33.75	−98.39	−135.46	0.62	0.53	0.75	0.90	0.82	+15	− 9	−14	+34	+31	+ 7	+40	− 9	+14	+36	2	0.58
74825	15 17 32.11	−10 30 02.0	7.31	2 G	229.383 806 65	−10.500 555 38	14.27	−53.70	−18.72	0.77	0.54	0.90	0.89	0.69	−21	−24	−17	+21	− 9	+30	+ 1	+10	−15	−25	2	1.09
74826	15 17 32.16	+29 36 10.3	9.78	H	229.383 982 61	+29.602 852 90	1.39	−33.52	−5.40	0.86	1.02	1.68	0.79	1.11	+18	−17	−10	− 2	−20	− 3	−17	+18	−14	+ 1	0	0.94
*74827	15 17 32.74	+30 10 53.2	9.89	H	229.386 414 63	+30.181 455 69	2.18	−12.70	−2.25	0.90	0.99	1.57	0.86	1.20	− 1	− 9	− 6	− 3	−13	+ 0	−10	+22	−21	−15	0	2.18
*74828	15 17 32.72	−07 30 33.7	8.38	H	229.386 317 94	−07.509 353 96	8.26	−64.41	−54.65	1.30	0.72	1.29	1.40	0.90	− 5	−32	− 7	+31	− 6	+10	+ 3	+ 0	−10	+ 7	0	−1.98
74829 H	15 17 34.21	−55 37 06.0	8.48	H	229.392 559 86	−55.618 322 91 A	2.39	−5.16	−5.90	1.94	2.06	2.55	1.93	2.21	+ 6	−19	−26	+14	+11	−54	− 7	+10	+35	−47	2	0.37
*74830	15 17 34.93	−24 28 38.0	10.07	2 H	229.395 547 72	−24.477 219 88	13.84	−17.97	−7.11	2.37	1.62	2.71	2.79	2.39	+ 2	+ 6	−48	−20	−19	− 2	−23	− 1	+ 7	−24	13	3.70
*74831	15 17 34.92	−49 23 35.5	7.97	H	229.395 504 75	−49.393 206 22	17.31	−192.96	−19.77	0.93	0.82	1.14	0.91	0.90	−18	−39	+ 0	−11	+15	+31	+20	+ 4	− 5	−36	0	3.64
74832	15 17 36.82	+07 50 40.7	7.88	G	229.403 407 08	+07.844 637 75	12.03	31.64	−13.81	1.04	0.63	1.07	1.09	0.77	− 7	−46	+ 2	+27	−21	−16	−28	−11	+26	−11	0	0.71
74833	15 17 37.23	+35 09 34.7	8.52	H	229.405 129 99	+35.159 649 28	2.88	12.93	−22.27	0.62	0.74	0.98	0.74	0.91	+22	− 9	− 9	−19	−12	−11	−13	−11	− 3	+17	1	−0.85
74834	15 17 37.99	+69 09 17.1	7.31	H	229.408 273 03	+69.154 737 17	5.93	−47.08	44.79	0.49	0.54	0.57	0.51	0.57	+13	−18	−33	− 1	−20	+16	−17	+ 0	+ 2	+ 0	0	0.72
74835	15 17 38.39	+47 44 22.8	7.64	H	229.409 960 97	+47.739 664 03	5.49	− 5.87	−108.26	0.63	0.59	0.73	0.88	0.77	− 1	− 9	−17	+ 6	− 1	− 8	− 2	+12	− 5	+ 6	0	0.05
74836	15 17 38.85	−31 27 32.1	8.62	G	229.411 876 80	−31.458 914 77	3.83	−16.17	−6.57	0.95	0.81	1.22	0.95	0.96	−10	−25	−37	− 4	−15	+13	− 4	+23	−19	−40	0	1.86
74837	15 17 38.89	−63 36 37.8	4.85	G	229.412 032 55	−63.610 486 62	8.74	2.12	8.66	0.37	0.45	0.62	0.48	0.61	− 4	−11	+ 5	+16	+17	−17	+19	+22	−12	+ 5	1	1.64
74838	15 17 39.58	−17 11 49.2	9.28	2 G	229.414 930 38	−17.197 006 95 A	2.89	15.73	−38.45	2.26	2.17	2.97	2.97	2.82	−15	−20	−51	+20	+11	−15	+ 0	− 6	+16	−55	8	1.20
74839	15 17 39.89	−36 55 15.6	8.68	1 H	229.416 202 12	−36.920 991 96	4.99	−11.99	− 5.82	0.95	0.70	1.12	1.21	1.05	−28	−11	−19	+19	−17	+22	−15	+33	+ 6	−21	0	1.34
74840	15 17 39.98	−26 15 07.3	7.78	G	229.416 603 05	−26.252 029 91	11.51	−135.26	−198.83	0.87	0.76	1.23	1.15	1.20	−11	−29	−47	+17	+ 0	−12	−15	− 6	+38	−53	0	1.69
74841	15 17 40.45	−00 59 05.7	7.28	H	229.418 521 79	−00.984 907 57	4.69	−32.16	13.29	0.77	0.60	0.92	0.92	0.66	−19	−22	−30	+23	− 9	+17	− 1	−12	− 8	−25	0	1.52
*74842	15 17 41.26	−05 12 08.6	7.28	H	229.421 912 08	−05.202 381 31	12.05	−80.79	−14.35	0.96	0.76	1.06	1.22	1.07	−43	−14	−17	+24	+ 9	− 9	+ 5	−19	+22	−48	0	0.81
*74843 H	15 17 41.24	−38 47 33.8	8.63	H	229.421 834 71	−38.792 718 29 A	9.05	−37.57	− 8.92	1.40	0.98	1.44	1.41	1.28	+ 2	−22	− 7	−13	−11	−15	−27	+16	+13	+16	1	−0.90
74844	15 17 42.06	−49 54 41.3	10.48	H	229.425 258 21	−49.911 468 62	2.36	−14.46	− 8.82	1.49	1.53	2.05	1.88	1.96	−16	−25	−16	+22	− 3	− 2	+ 1	+38	−18	−14	0	2.52
74845	15 17 42.24	−04 29 40.1	7.72	H	229.425 996 74	−04.494 471 83	4.43	3.16	4.07	0.91	0.65	0.98	1.08	0.79	−34	−24	+ 0	+34	−20	+ 4	−14	+13	− 8	−22	0	2.80
74846	15 17 42.48	+03 46 41.1	8.48	H	229.427 007 88	+03.778 075 06	1.65	0.04	20.77	1.30	0.86	1.47	1.22	1.18	−39	−58	+ 4	+30	+ 7	−18	− 6	−32	+17	−54	0	1.20
74847	15 17 43.17	−39 48 43.1	7.34	H	229.429 885 38	−39.811 964 76	4.72	−37.58	−11.47	0.75	0.53	0.91	0.72	0.68	−18	−28	+ 3	− 4	− 6	−24	− 6	+ 8	− 8	− 9	0	1.27
74848	15 17 43.35	+06 30 54.6	10.41	H	229.430 620 48	+06.515 169 80	2.07	−0.12	−12.14	1.74	0.99	1.86	2.59	1.49	+ 2	+ 4	− 1	+27	−14	+ 9	−20	−13	−11	−14	0	−0.22
74849	15 17 43.99	−21 34 17.6	9.55	G	229.433 280 65	−21.571 544 43	4.97	−21.37	13.58	1.40	1.13	1.58	1.60	1.26	−18	−12	−25	+ 8	+16	−15	+15	−14	+ 6	− 9	0	1.53
74850	15 17 45.13	−24 25 43.3	9.77	H	229.438 035 53	−24.428 681 91	6.56	−93.29	−56.91	1.97	1.37	2.22	2.46	1.85	+14	−20	−44	−24	−16	− 6	−25	−12	+21	− 2	0	−0.32
74851	15 17 45.63	−14 08 27.0	9.69	H	229.440 104 89	−14.140 845 74	1.17	− 8.99	5.69	1.35	0.97	1.81	1.74	1.46	−48	+ 6	−34	− 4	+ 4	+ 4	+15	−40	+45	−18	0	0.34
74852	15 17 46.72	−65 46 35.4	9.19	H	229.444 658 02	−65.776 487 35	1.82	− 4.37	−15.61	0.75	0.86	1.37	0.85	1.10	+26	− 5	+ 0	+23	+ 9	−17	+ 9	+27	− 7	+34	0	0.65
74853	15 17 47.85	−45 42 53.7	7.43	2 H	229.449 389 89	−45.714 906 23	3.46	−15.27	5.10	0.81	0.72	1.14	0.98	1.01	−35	−18	−20	+ 3	+11	−37	+ 5	+ 6	+12	−46	0	−0.30
74854	15 17 47.96	+39 53 17.8	10.04	2 H	229.449 827 98	+39.888 274 54	−0.26	− 4.48	1.97	0.96	0.98	1.29	1.24	1.20	+26	−16	−17	−11	− 1	+ 2	− 1	− 5	+ 2	+17	0	1.32
*74855	15 17 48.49	+13 10 25.0	8.67	H	229.452 054 72	+13.173 619 83	3.81	−32.27	− 5.62	0.73	0.65	1.08	0.93	1.23	−25	−17	−13	−11	−10	− 1	−16	− 3	+22	−69	0	−0.71
*74856	15 17 48.48	−45 55 20.3	7.72	G	229.452 010 40	−45.922 318 96	18.45	−89.13	−39.72	0.79	0.72	1.05	0.91	0.98	−36	−19	−23	− 5	+16	−27	+15	+ 3	+ 2	−48	0	−0.05
74857	15 17 49.84	−30 08 55.2	4.35	H	229.457 686 99	−30.148 662 33	10.59	− 8.71	− 4.47	0.71	0.68	1.00	0.88	0.70	−22	+ 1	−48	+25	−24	+48	+ 0	+34	−29	−31	0	2.61
74858	15 17 53.06	+33 35 39.6	6.65	H	229.471 089 03	+33.594 330 85	6.85	14.76	0.55	0.38	0.45	0.63	0.43	0.52	+10	+ 0	+ 1	− 6	+ 0	− 1	+ 4	+12	− 3	−10	0	−1.54
74859	15 17 53.13	−52 17 11.3	8.16	H	229.471 395 04	−52.286 467 48	2.04	−14.66	− 4.27	0.80	0.77	1.10	1.01	0.95	+ 6	−20	−21	+22	+ 8	−10	+ 4	+19	+ 6	+15	2	−0.49
74860	15 17 53.25	−24 58 55.1	8.52	H	229.471 857 91	−24.981 975 97	4.48	−20.09	−15.05	1.11	0.85	1.41	1.44	1.25	+ 2	−22	−45	+10	− 9	+ 3	−14	− 2	+29	−20	0	0.22
74861	15 17 53.59	+19 28 55.7	11.47	H	229.473 308 79	+19.482 142 72	18.34	−324.62	72.56	2.25	1.77	2.78	3.01	2.61	−20	−11	− 3	−36	+ 1	+ 6	+ 0	−26	+18	−33	2	1.50
74862	15 17 53.99	+68 15 28.8	10.10	H	229.474 960 31	+68.257 992 27	2.04	− 3.39	23.38	0.97	1.05	1.11	1.04	1.33	+ 9	−28	−22	−17	− 3	+ 0	− 7	−18	+12	− 8	0	1.96
74863	15 17 55.59	−39 12 44.3	9.81	H	229.481 642 66	−39.212 301 24	−1.41	− 0.69	− 0.36	1.46	1.03	1.72	1.39	1.34	−15	−29	− 7	−17	+ 1	−18	+ 0	− 8	− 7	−11	0	0.39
74864	15 17 56.02	−36 20 31.8	9.48	H	229.483 426 89	−36.342 170 39	8.79	−146.76	−52.45	1.28	0.83	1.47	1.34	1.31	−29	−38	− 3	+10	−10	+ 0	−11	+23	+ 3	−30	0	−1.85
74865	15 17 56.13	−30 28 41.2	8.89	H	229.483 858 20	−30.478 104 22	8.06	−20.59	−28.22	1.28	1.02	1.58	1.65	1.25	− 7	+ 2	−47	+22	−14	+27	− 3	+29	−14	− 7	0	1.12
74866	15 17 57.50	+83 51 34.1	7.74	2 H	229.489 580 45	+83.859 478 15	9.10	− 0.02	− 5.13	0.49	0.52	0.59	0.59	0.65	+15	−18	−15	− 1	+16	+ 3	+21	+20	−11	+ 1	1	0.07
74867	15 17 58.04	+22 11 23.1	10.40	H	229.491 841 01	+22.189 737 10	18.04	−146.15	266.77	1.15	1.14	1.74	1.52	1.59	−16	+ 0	−16	+ 4	+15	−25	+ 7	−30	+14	−32	0	0.31
74868	15 17 59.67	+30 49 59.2	6.86	H	229.498 632 89	+30.833 117 39	11.49	17.51	−79.48	0.36	0.47	0.73	0.38	0.54	+30	− 5	−10	− 8	+ 3	−16	+ 5	+15	− 8	+17	0	1.55
74869 H	15 18 00.26	−68 34 53.5	7.88	H	229.501 063 89	−68.581 538 89 A	2.30	− 5.64	− 4.24	0.89	1.08	1.34	0.96	1.26	+17	− 4	− 4	− 2	− 3	+ 0	+ 1	+19	−16	+15	1	1.50
74870	15 18 02.63	−23 28 18.7	8.79	H	229.510 965 43	−23.471 864 61	2.15	−16.74	2.75	1.29	0.87	1.59	2.22	1.30	−14	+ 9	−25	−22	− 1	−37	−15	− 1	+21	+ 8	0	1.36
74871	15 18 03.09	−03 26 10.2	9.61	H	229.512 892 43	−03.436 173 20	3.75	12.99	− 2.14	1.37	0.97	1.56	1.55	1.35	−13	−35	−20	+ 1	−27	+ 4	−24	+14	−13	−21	0	−0.19
74872	15 18 05.60	+00 48 31.3	8.91	H	229.523 326 38	+00.808 685 83	4.18	−33.60	− 9.63	1.23	0.79	1.38	1.25	0.92	− 8	−45	−16	+10	−25	+12	−22	− 7	+ 0	−16	0	0.29
74873	15 18 07.86	+51 37 01.5	8.21	H	229.532 744 48	+51.617 081 30	4.57	17.34	5.12	0.65	0.62	0.74	0.71	0.73	+ 5	−13	+ 1	+11	− 1	+ 2	+ 0	+ 4	− 9	+ 5	0	0.48
74874 H	15 18 08.15	−70 17 31.6	8.18	H	229.533 942 66	−70.292 103 45 *	1.88	− 3.53	−16.03	0.60	0.78	0.97	0.67	0.99	+19	−19	− 1	+ 1	+11	− 6	+ 8	+35	− 4	+30	0	0.54
74875	15 18 09.39	−41 03 40.1	6.30	H	229.539 110 05	−41.061 133 17	12.45	41.36	−10.54	0.64	0.53	0.80	0.86	0.71	−27	−27	+ 2	− 3	+ 8	+ 3	+11	+ 6	− 9	−20	0	0.24
74876	15 18 09.79	−47 53 59.8	6.98	H	229.540 810 00	−47.899 953 55	13.20	2.82	14.48	0.68	0.63	0.92	0.82	0.81	− 9	−16	−30	+25	+24	−10	+22	+ 3	+21	− 2	4	0.69
74877	15 18 10.00	−42 31 11.4	9.82	H	229.541 666 08	−42.519 827 22	10.53	4.71	−33.91	1.24	1.06	1.68	1.48	1.39	−27	−21	+ 3	+21	+18	+ 5	+18	+11	+17	+ 0	0	−0.60
74878	15 18 10.85	−44 47 36.7	8.28	H	229.545 223 89	−44.793 517 06	1.74	−10.25	− 8.31	0.81	0.79	1.12	1.04	1.13	−35	+ 7	−26	+11	− 3	−19	− 5	+22	+14	−42	0	−1.05
74879	15 18 11.26	+20 33 11.1	10.92	H	229.546 899 38	+20.553 077 01	5.43	−22.77	6.99	1.26	1.43	2.15	1.66	1.93	−28	+ 1	−25	+30	+12	+ 1	− 1	−35	+ 9	−49	5	1.43
*74880	15 18 11.40	+78 23 38.6	7.34	H	229.547 482 34	+78.394 045 71	1.70	5.15	−18.87	0.52	0.59	0.61	0.55	0.68	+ 3	−10	−26	−11	+ 0	− 2	− 1	− 5	+ 3	+ 0	0	−0.67
*74881	15 18 11.36	+31 38 49.5	7.82	2 H	229.547 324 48	+31.647 090 91	2.96	− 7.97	−12.22	0.43	0.56	0.83	0.47	0.64	+37	+ 0	− 2	+21	+22	−12	+24	+36	+11	+27	0	−1.20
74882	15 18 11.73	+49 18 19.8	9.49	H	229.548 857 62	+49.305 513 45	5.11	6.44	−21.14	0.77	0.78	0.91	0.90	0.96	+14	− 4	− 5	− 5	− 2	+18	− 2	− 7	+ 1	+ 9	1	0.96
74883 H	15 18 13.72	−60 21 52.7	8.89	G	229.557 177 54	−60.364 636 83 A	1.75	− 4.30	− 5.08	2.14	1.95	2.85	2.24	2.33	+10	−28	−32	−10	+12	−32	+ 5	− 4	+ 1	−13	5	0.99
74884	15 18 14.55	−05 14 34.7	9.19	H	229.560 611 37	−05.242 969 95	13.53	−99.28	48.43	1.32	0.90	1.58	1.63	1.24	−28	−40	−16	+16	−12	+10	−15	+ 4	+17	−27	0	−1.45
74885	15 18 14.97	+45 37 11.3	6.64	2 H	229.562 371 47	+45.619 818 81	3.58	− 9.83	4.27	0.49	0.51	0.60	0.55	0.63	+10	+ 2	− 5	+ 4	− 9	+ 8	−10	+ 1	+ 3	− 2	0	−0.02
74886	15 18 15.91	+58 47 38.4	7.30	H	229.566 289 07	+58.794 000 44	4.22	− 1.67	19.05	0.47	0.48	0.54	0.46	0.53	+ 1	−17	−15	−22	+ 5	+ 4	+ 8	−13	− 1	−18	0	−0.96
74887	15 18 16.20	−62 22 55.7	8.20	H	229.567 493 36	−62.382 149 34	4.43	10.27	−21.42	0.65	0.75	1.05	0.75	0.91	+13	−10	+ 6	+54	+34	− 7	+36	+25	+ 7	+16	0	−1.53
74888	15 18 16.44	+18 51 17.4	8.77	H	229.568 517 35	+18.854 845 18	16.52	−93.87	59.77	1.04	0.71	1.21	1.19	0.98	−10	−45	+10	− 2	−29	+ 3	−37	+11	+27	−19	0	1.18
74889	15 18 17.24	−01 35 54.1	9.44	H	229.571 825 28	−01.598 348 66	7.45	−91.00	−81.81	1.22	1.00	1.48	1.58	1.20	−24	−12	−33	+12	− 9	+ 1	− 9	−24	+ 5	−30	0	0.84
74890	15 18 17.43	−41 25 13.0	7.05	H	229.572 604 20	−41.420 275 42	11.90	−123.92	−121.22	0.67	0.55	0.87	0.81	0.75	−32	−25	+ 3	+10	+ 3	−14	+ 5	+19	−10	−18	0	0.50
74891	15 18 19.27	+24 59 49.9	10.20	2 H	229.580 310 15	+24.997 204 74 A	20.17	−132.46	7.15	3.82	3.61	4.73	3.96	4.53	−32	−24	+ 9	+44	+ 1	−10	− 4	+ 6	− 2	−59	3	1.76
74892	15 18 19.79	−20 51 39.1	8.27	H	229.582 449 00	−20.860 856 00	4.62	−20.45	− 7.67	0.99	0.75	1.11	1.16	0.85	− 2	−22	−31	− 5	−11	+11	− 8	+ 5	− 3	+10	0	−0.72
74893 H	15 18 20.19	+26 50 24.7	6.59	G	229.584 140 01	+26.840 195 51 A	26.10	94.41	73.55	1.33	1.15	1.27	1.35	1.17	−20	−11	− 5	− 2	+20	−17	+17	−21	+ 3	−32	1	1.36
74894	15 18 22.10	−72 40 43.7	8.67	1 H	229.592 088 91	−72.678 801 67	2.43	0.01	8.10	0.63	0.76	1.00	0.63	0.81	+12	−15	+11	− 3	+13	−10	+14	+19	− 6	+23	0	0.53
74895 H	15 18 22.62	+00 56 22.0	6.50	H	229.594 242 44	+00.939 451 88 A	7.55	35.04	−17.46	1.16	0.91	1.50	1.14	1.09	− 1	−52	−22	+ 2	−21	− 1	−39	−25	+26	−20	1	0.18
74896	15 18 24.51	+20 34 22.1	5.68	H	229.602 140 92	+20.572 809 67	11.23	−14.57	−13.13	0.70	1.02	0.85	1.55	1.70	−58	+ 4	−30	−61	+48	− 4	+51	−85	+32	−45	0	1.55
74897	15 18 24.73	−12 55 29.3	8.24	H	229.603 031 96	−12.924 803 05	1.74	−10.44	−11.87	0.98	0.76	1.11	1.19	0.90	−41	−10	−22	+26	−21	+13	−12	+20	−26	−22	0	0.15
74898	15 18 25.24	−65 36 14.4	7.99	H	229.605 152 54	−65.603 987 62	2.78	−30.36	−39.31	0.56

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
74801	6.815	0.004	6.831	0.004		−0.013	0.005	T	0.01	0.01	L	6.8436	0.0008	0.009	232		6.83	6.86					1							S
74802	12.653	0.259	11.069	0.110		1.351	0.232	T	4.80	0.96	Q	10.8126	0.1744	0.905	138		9.46	11.69	265.80	P 1 B			1 S							G P
74803	9.573	0.017	8.377	0.011		1.024	0.016	T	1.00	0.01	L	8.4315	0.0015	0.019	148		8.40	8.47		C			1							
74804	8.875	0.016	8.439	0.016		0.387	0.004	G	0.45	0.00	H	8.5288	0.0029	0.018	62		8.51	8.56					1							S
74805	9.807	0.033	9.425	0.035		0.390	0.015	G	0.46	0.02	H	9.4135	0.0025	0.018	53		9.38	9.44		C			1							
74806	7.742	0.007	7.315	0.006		0.403	0.009	T	0.47	0.01	L	7.3650	0.0010	0.009	117		7.35	7.38		C	15173+7113	I 1	1 S							S
74807	9.775	0.024	7.785	0.009		1.686	0.021	T	2.25	0.05	O	7.6274	0.0043	0.031	94		7.57	7.69		U 2			1							
74808	8.028	0.008	6.924	0.005		0.952	0.007	T	0.94	0.01	L	6.9754	0.0007	0.010	117		6.96	7.00		D			1							S
74809	10.884	0.052	10.346	0.053		0.504	0.067	T	0.58	0.07	L	10.4335	0.0041	0.035	94		10.38	10.49		C			1 S							
74810	7.909	0.006	7.529	0.007		0.360	0.009	T	0.42	0.01	L	7.5670	0.0011	0.010	147		7.55	7.58		C			1							S
74811	10.446	0.047	8.924	0.022		1.279	0.041	T	1.24	0.04	L	8.9462	0.0026	0.019	76		8.92	8.99					1							
74812	8.614	0.010	8.336	0.011		0.264	0.014	T	0.30	0.02	L	8.3722	0.0015	0.014	113		8.35	8.41		C			1							S
74813	10.228	0.037	9.213	0.025		0.885	0.033	T	0.89	0.02	L	9.2846	0.0016	0.014	71		9.25	9.31					1							
74814	9.145	0.016	8.582	0.015	*	0.518	0.015	G	0.59	0.02	H *	8.5341	0.0020	0.020	96	*	8.51	8.57		D	15173+0923	I 1	2 C A	AB	357	0.998	0.004	1.15	0.03	S
74815						1.366	0.012	G	1.60	0.02	I	11.1612	0.0073	0.050	54		11.08	11.26					1 G							G
74816	9.969	0.027	7.913	0.011		1.640	0.015	G	1.62	0.01	J	7.8064	0.0013	0.014	121		7.78	7.83					1							
74817	9.952	0.033	8.734	0.019	*	1.105	0.020	G	1.18	0.03	I *	8.8520	0.0033	0.037	122	*	8.81	8.95		D	15173+4347	I 1	2 C A	AB	15	9.144	0.005	0.16	0.02	S
74818	7.987	0.008	6.787	0.006		1.027	0.008	T	1.00	0.01	L	6.8378	0.0009	0.008	109		6.83	6.85		C			1							S
74819	11.073	0.052	10.483	0.048		0.551	0.062	T	0.62	0.06	L	10.6178	0.0038	0.034	102		10.56	10.68		C			1							G
74820	8.394	0.014	8.397	0.018	A	0.100	0.495	G	0.04	0.03	L *	8.1815	0.0026	0.013	62	*	8.16	8.21		D	15174−5414	I 1	2 C A	AB	142	3.201	0.006	1.28	0.03	
74821	8.496	0.010	7.898	0.010		0.578	0.015	G	0.65	0.01	H	7.9688	0.0013	0.016	121		7.94	7.99		C			1							S
74822	9.610	0.021	8.399	0.014		1.036	0.020	T	1.01	0.02	L	8.4473	0.0016	0.018	96		8.42	8.48		C			1							
74823	10.597	0.051	9.883	0.042	*	0.630	0.020	G	0.70	0.02	H *	9.9923	0.0051	0.022	49	*	9.95	10.02		C	15175−2847	H 1	2 C A	AB	229	0.207	0.040	1.43	0.69	
74824	4.197	0.002	4.080	0.002		0.088	0.007	G	0.08	0.02	A	4.1042	0.0005	0.004	106		4.10	4.11		C			1							S
74825	7.700	0.011	7.330	0.009		0.360	0.015	G	0.42	0.02	H	7.4008	0.0057	0.037	75		7.33	7.43	0.76	P 1 A			1							S
74826	11.079	0.038	9.847	0.021		1.080	0.015	G	1.04	0.01	H	9.9434	0.0032	0.035	195		9.88	10.03		C			1							
74827	11.916	0.097	10.122	0.030		1.494	0.080	T	1.52	0.12	L	10.0144	0.0029	0.040	151		9.95	10.08					1 S							
74828	8.907	0.024	8.415	0.024		0.463	0.031	T	0.53	0.03	L	8.4788	0.0037	0.016	48		8.46	8.52					1							S
74829	8.433	0.018	8.408	0.024	*	0.023	0.026	T	0.04	0.02	L *	8.4912	0.0021	0.016	74	*	8.47	8.52		D	15176−5537	I 1	2 C A	AB	141	5.847	0.006	0.71	0.03	S
74830	10.757	0.059	10.296	0.061		0.435	0.078	T	0.50	0.08	L	10.1647	0.0126	0.062	55		10.07	10.24		U 2	15176−2429	I 1	1 S							G
74831	8.661	0.012	8.021	0.011		0.588	0.012	T	0.66	0.01	L	8.0994	0.0015	0.012	91		8.08	8.13		C			1 G							S
74832	8.314	0.011	7.924	0.011		0.407	0.004	G	0.47	0.00	H	7.9754	0.0016	0.015	105		7.95	8.00					1 G							S
74833	9.860	0.017	8.646	0.011		1.038	0.016	T	1.01	0.01	L	8.6862	0.0014	0.020	167		8.65	8.72					1							S
74834	8.614	0.010	7.416	0.007		1.025	0.010	T	1.00	0.01	L	7.4775	0.0010	0.009	116		7.46	7.49		C			1							S
74835	9.045	0.012	7.774	0.007		1.082	0.011	T	1.04	0.01	L	7.8116	0.0013	0.015	120		7.79	7.83					1							S
74836	9.071	0.017	8.656	0.017		0.377	0.012	G	0.44	0.01	H	8.7149	0.0025	0.017	61		8.69	8.73		C			1							
74837	6.487	0.004	4.989	0.002		1.260	0.004	T	1.20	0.02	A	5.0175	0.0006	0.005	146		5.01	5.03		C			1							S
74838	9.834	0.029	9.308	0.028	A	0.500	0.020	G	0.57	0.02	H	9.4201	0.0413	0.067	61	A	9.31	9.50	0.57	P 1 A	15177−1712	M 1	2 C A	AB	193	20.815	0.019	1.04	0.12	
74839	9.067	0.015	8.698	0.016		0.350	0.020	T	0.41	0.03	L	8.7594	0.0039	0.026	94		8.72	8.80		U			1							
74840	8.294	0.012	7.813	0.014		0.448	0.012	G	0.52	0.01	H	7.8835	0.0013	0.008	51		7.87	7.90		C			1							S
74841	8.454	0.017	7.378	0.010		0.943	0.015	G	0.93	0.01	H	7.4445	0.0013	0.008	61		7.43	7.46					1							S
74842	8.471	0.015	7.375	0.009		0.947	0.013	T	0.94	0.01	L	7.4389	0.0017	0.013	65		7.42	7.46					1							S
74843	9.283	0.017	8.747	0.016	A	0.600	0.495	G	0.60	0.04	L *	8.7440	0.0024	0.014	89	*	8.72	8.78		D	15177−3848	I 1	2 C A	AB	102	3.170	0.022	3.06	0.12	
74844	11.081	0.066	10.590	0.070		0.462	0.087	T	0.53	0.09	L	10.5877	0.0052	0.034	83		10.54	10.66		C			1							G
74845	7.886	0.010	7.758	0.012		0.124	0.015	T	0.14	0.01	L	7.7683	0.0018	0.013	59		7.75	7.79					1							S
74846	10.686	0.051	8.697	0.018		1.649	0.043	T	1.67	0.04	L	8.5936	0.0029	0.017	59		8.56	8.62					1							
74847	8.956	0.014	7.483	0.008		1.249	0.001	G	1.21	0.00	H	7.5043	0.0011	0.011	96		7.49	7.52		C			1							S
74848	10.859	0.051	10.451	0.058		0.386	0.071	T	0.45	0.08	L	10.4966	0.0040	0.037	91		10.44	10.58					1							
74849	10.077	0.038	9.543	0.037		0.525	0.020	G	0.60	0.02	H	9.6711	0.0029	0.021	55		9.64	9.70		C			1							
74850	10.656	0.051	9.892	0.041		0.696	0.051	T	0.75	0.04	L	9.9067	0.0054	0.029	57		9.86	9.96					1							
74851	10.922	0.063	9.805	0.038		0.962	0.057	T	0.95	0.05	L	9.8551	0.0029	0.020	69		9.83	9.89		C			1							
74852	10.586	0.030	9.273	0.016		1.115	0.027	T	1.08	0.03	L	9.3589	0.0017	0.028	214		9.30	9.41					1 S							
74853	9.622	0.024	7.633	0.010		1.664	0.020	G	2.01	0.02	A	7.5160	0.0032	0.025	74		7.48	7.55		U 2			1							S
74854	12.124	0.154	10.194	0.039		1.636	0.131	T	1.72	0.17	K	10.1417	0.0027	0.034	137		10.07	10.19		U			1							
74855	10.430	0.025	8.807	0.011		1.450	0.015	G	1.45	0.02	H	8.8071	0.0016	0.019	152		8.78	8.84		C			1							
74856	8.456	0.016	7.801	0.013		0.617	0.015	G	0.69	0.01	H	7.8438	0.0015	0.011	83		7.83	7.87		C			1							S
74857	5.760	0.004	4.466	0.003		1.100	0.004	T	1.03	0.02	A	4.5203	0.0010	0.005	50		4.51	4.54					1							S
74858	7.811	0.006	6.760	0.004		0.912	0.005	T	0.91	0.00	L	6.8130	0.0008	0.010	186		6.80	6.83					1							S
74859	9.581	0.022	8.288	0.013		1.100	0.020	T	1.06	0.02	L	8.3325	0.0020	0.014	76		8.31	8.35		C			1							
74860	8.857	0.015	8.534	0.017		0.307	0.021	T	0.35	0.03	L	8.5994	0.0025	0.012	60		8.58	8.62					1							
74861						1.900	0.495	G	1.90	0.29	S	11.5620	0.0089	0.058	86		11.45	11.66		R			1							G
74862	11.375	0.065	10.210	0.037		1.000	0.058	T	0.98	0.05	L	10.2680	0.0025	0.020	99		10.23	10.32		C			1							
74863	11.073	0.057	9.945	0.035		0.971	0.052	T	0.96	0.04	L	9.9721	0.0029	0.023	83		9.93	10.01		C			1							G
74864	10.324	0.032	9.555	0.026		0.685	0.031	T	0.74	0.03	L	9.6116	0.0022	0.025	103		9.56	9.65					1							
74865	9.455	0.045	8.918	0.044		0.511	0.047	T	0.58	0.05	L	9.0012	0.0025	0.013	47		8.97	9.03		D			1							
74866	8.122	0.010	7.794	0.012		0.311	0.015	T	0.36	0.02	L	7.8122	0.0020	0.026	113		7.78	8.17	1.72	P 1 A			1							
74867	11.585	0.089	10.474	0.054		0.958	0.081	T	0.95	0.06	L	10.5624	0.0037	0.039	119		10.50	10.63		R			1							G
74868	8.170	0.005	6.977	0.004		1.022	0.005	T	1.00	0.00	L	7.0267	0.0007	0.009	261		7.01	7.04		C			1							S
74869	7.980	0.013	8.056	0.016	A	−0.200	0.495	G	−0.01	0.04	L *	7.8764	0.0013	0.017	215	*	7.85	7.92		D	15180−6835	I 1	2 C A	AB	3	1.653	0.005	1.05	0.02	S
74870	10.790	0.063	8.965	0.024		1.518	0.053	T	1.55	0.08	L	8.9072	0.0019	0.014	54		8.89	8.94		D			1 S							
74871	11.279	0.088	9.752	0.038		1.283	0.075	T	1.24	0.08	L	9.7698	0.0027	0.019	66		9.73	9.80		C			1							
74872	10.590	0.047	9.015	0.022		1.321	0.041	T	1.28	0.05	L	9.0656	0.0020	0.014	64		9.03	9.09		C			1							
74873	9.452	0.016	8.313	0.011		1.000	0.015	G	0.98	0.01	H	8.3723	0.0015	0.016	111		8.35	8.40					1							
74874	8.139	0.007	8.173	0.008	*	−0.026	0.010	T	0.00	0.01	L *	8.1782	0.0018	0.019	166	*	8.15	8.22			15181−7018	H 1	2 C S A	AB	102	0.145	0.007	0.39	0.51	S
74875	6.507	0.004	6.306	0.003		0.176	0.004	G	0.16	0.03	C	6.3477	0.0005	0.006	119		6.34	6.36		C			1 G							S
74876	7.556	0.009	7.028	0.007		0.504	0.009	T	0.58	0.01	L	7.0887	0.0010	0.009	79		7.07	7.11					1							S
74877	10.574	0.042	9.802	0.035		0.703	0.043	T	0.76	0.04	L	9.9647	0.0032	0.025	78		9.93	10.03		C			1							G
74878	10.549	0.043	8.489	0.015		1.705	0.036	T	1.73	0.04	L	8.3902	0.0019	0.012	75		8.37	8.41		C			1							
74879	11.596	0.093	11.189	0.110		0.560	0.072	G	0.63	0.07	R	11.0373	0.0035	0.043	141		10.96	11.10					1 S							G
74880	9.128	0.013	7.476	0.007		1.382	0.012	T	1.35	0.01	L	7.4863	0.0011	0.011	120		7.46	7.51					1							S
74881	7.775	0.005	7.816	0.006		−0.035	0.007	T	−0.01	0.01	L	7.8113	0.0021	0.027	227		7.78	7.88	3.45	P 1 A			1							S
74882	10.017	0.022	9.503	0.021		0.483	0.027	T	0.55	0.03	L	9.5969	0.0029	0.023	109		9.55	9.63					1							
74883	9.276	0.051	9.136	0.065	A	0.106	0.015	G	0.12	0.02	H *	8.8822	0.0030	0.020	88	*	8.85	8.92		D	15182−6022	I 1	2 C A	AB	340	3.428	0.007	0.95	0.03	
74884	9.978	0.034	9.238	0.028		0.611	0.015	G	0.68	0.01	H	9.3155	0.0023	0.012	62		9.29	9.34					1							
74885	8.763	0.009	6.833	0.004		1.620	0.015	G	1.63	0.09	H	6.7517	0.0017	0.018	133		6.72	6.78		U 2			1							S
74886	8.685	0.012	7.422	0.008		1.076	0.011	T	1.04	0.01	L	7.4725	0.0008	0.007	108		7.46	7.48					1							S
74887	9.651	0.017	8.316	0.010		1.132	0.015	T	1.10	0.02	L	8.3736	0.0017	0.017	147		8.35	8.40					1							
74888	9.651	0.021	8.850	0.017		0.725	0.021	T	0.78	0.01	L	8.9112	0.0022	0.020	99		8.88	8.94		C			1 S							S
74889	10.316	0.040	9.465	0.031		0.763	0.038	T	0.80	0.03	L	9.5829	0.0027	0.022	60		9.55	9.63					1							
74890	8.390	0.010	7.161	0.007		1.050	0.010	T	1.02	0.01	L	7.2139	0.0008	0.009	103		7.20	7.23		C			1							S
74891	11.453	0.063	10.240	0.037	A	1.210	0.015	G	1.35	0.03	I	10.3226	0.0294	0.054	133	A	10.25	10.41		U	15183+2500	I 1	2 C B	AB	248	17.065	0.059	1.73	0.16	
74892	9.520	0.024	8.381	0.016		0.979	0.022	T	0.96	0.02	L	8.4352	0.0022	0.011	59		8.42	8.46		C			1							
74893	7.558	0.067	7.013	0.068	A	0.566	0.012	G	0.64	0.01	H *	6.6975	0.0007	0.009	100	*	6.68	6.71		D	15183+2650	I 1	2 C A	AB	256	1.531	0.002	0.05	0.01	S
74894	10.565	0.030	8.814	0.012		1.460	0.026	T	1.47	0.04	L	8.8050	0.0018	0.019	170		8.75	8.84		U			1							
74895	8.137	0.012	6.654	0.007	A	1.600	0.495	G	1.22	0.03	L *	6.6595	0.0011	0.008	67	*	6.64	6.67		D	15184+0056	I 1	2 C C	AB	92	2.964	0.071	4.19	0.16	S
74896	6.921	0.004	5.795	0.003		0.972	0.004	G	0.96	0.00	H	5.8469	0.0006	0.007	150		5.84	5.86		C			1 G							S
74897	9.642	0.023	8.356	0.014		1.094	0.021	T	1.06	0.02	L	8.4123	0.0021	0.015	79		8.38	8.44		C			1							
74898	8.528	0.008	8.048	0.007		0.452	0.010	T	0.52	0.01	L	8.0925	0.0012	0.015	215		8.07	8.12					1							S
74899	9.560	0.015	8.694	0.012		0.774	0.014	T	0.81	0.01	L	8.7539	0.0016	0.018	148		8.72	8.79					1							
74900	11.011	0.055	9.804	0.031		1.032	0.049	T	1.00	0.04	L	9.9269	0.0032	0.040	93		9.84	10.00		C			1 S							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$		F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr												%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
74901	15 18 26.13	−00 27 40.5	5.88	H	229.608 887 18	−00.461 237 25		3.33	−11.60	1.28	0.74	0.51	0.81	0.83	0.59	−22	−26	−17	+33	−11	+12	− 5	− 3	− 4	−21	0	−0.68
74902	15 18 26.48	−43 55 49.4	9.42	H	229.610 340 98	−43.930 388 08		−0.57	− 2.33	−20.14	1.03	1.00	1.38	1.09	1.14	−29	− 8	−33	− 1	+13	−17	+10	+ 4	− 2	−28	0	−0.12
74903	15 18 27.02	+08 45 23.4	9.37	H	229.612 577 20	+08.756 489 96		4.26	−20.03	16.14	1.49	0.92	1.62	1.66	1.25	+16	−16	+ 8	+ 6	−11	−20	−13	−14	−15	− 9	2	−0.17
74904	15 18 27.59	−00 47 09.7	7.77	G	229.614 951 92	−00.786 020 44		11.72	7.45	−79.90	0.91	0.71	1.09	1.07	0.78	−25	−26	−27	+22	− 8	+10	− 3	−17	+ 0	−30	0	0.98
74905	15 18 29.54	+48 39 24.6	9.16	H	229.623 077 71	+48.656 836 76		3.67	10.05	−26.76	0.78	0.83	0.95	0.94	1.05	+ 7	− 7	+ 3	+ 4	− 2	+ 7	− 3	+ 7	− 4	+15	0	−0.11
74906	15 18 30.20	−18 10 57.3	10.87	G	229.625 835 04	−18.182 575 88		4.25	−106.74	38.69	2.22	1.62	2.58	2.96	2.45	− 8	−22	−38	+32	+ 2	− 6	− 5	+ 6	+17	−32	0	0.32
74907	15 18 31.31	+01 46 11.1	10.36	H	229.630 442 30	+01.769 760 06		8.08	−21.10	1.14	1.62	1.22	1.89	2.02	1.48	−24	− 7	−33	+41	−21	+15	−23	+ 0	+14	−35	0	−1.19
74908	15 18 31.60	−09 47 02.6	8.85	H	229.631 652 56	−09.784 041 84		3.68	12.75	−7.15	1.17	0.86	1.53	1.38	1.16	−25	−27	−37	+11	−17	+28	− 1	+14	−19	−42	0	0.96
*74909	15 18 31.95	+81 59 13.9	8.70	H	229.633 126 40	+81.987 182 20		5.35	−40.62	−1.54	0.60	0.65	0.69	0.67	0.75	+ 1	− 7	−22	+11	−12	+12	− 8	+25	−12	−18	0	−2.03
*74910	15 18 31.80	−52 07 24.0	8.13	H	229.632 507 39	−52.123 336 81		2.56	− 5.65	− 0.43	0.77	0.77	1.06	0.99	1.00	− 8	−29	−20	+22	− 3	−21	−10	+20	+ 5	+ 2	0	−0.10
74911 H	15 18 32.05	−47 52 30.7	4.27	G	229.633 535 86	−47.875 192 01	B	11.22	−31.74	−32.82	3.14	2.74	0.96	2.09	1.98	−40	− 2	− 5	+20	− 8	− 8	−20	+47	+ 3	−11	0	−0.37
74912	15 18 32.52	−25 33 02.9	10.07	H	229.635 499 40	−25.550 802 26		8.23	31.22	−14.90	1.56	1.21	1.98	2.19	1.78	− 3	−15	−44	+ 3	−15	+ 9	−17	+ 0	+25	−15	4	−0.39
74913	15 18 33.08	+65 25 15.4	7.82	H	229.637 833 41	+65.420 946 23		5.53	9.24	−10.61	0.53	0.61	0.63	0.52	0.67	+13	−17	−19	−13	+ 3	−24	− 2	+ 8	− 5	+14	1	−0.20
74914	15 18 33.48	+34 03 04.5	9.55	H	229.639 500 64	+34.051 254 18		2.62	− 2.89	− 3.90	0.80	0.92	1.24	0.89	1.00	+23	−14	+ 1	+26	+ 3	− 8	+ 6	+37	− 2	+ 1	0	1.91
74915	15 18 33.80	−47 52 44.9	6.87	G	229.640 848 75	−47.879 132 91	C	11.22	−21.88	−59.61	56.99	51.91	0.96	38.90	37.61	−30	− 5	+ 0	+23	− 5	− 1	− 7	+42	+ 2	−17	0	−0.37
74916	15 18 34.04	+56 56 49.1	8.68	H	229.641 839 49	+56.946 974 04		10.25	41.55	−86.02	0.74	0.69	0.81	0.70	0.77	+ 9	+ 0	−19	−40	− 6	− 8	− 5	−31	+22	−16	1	−0.29
74917 H	15 18 35.12	−78 28 19.9	7.01	G	229.646 351 38	−78.472 196 72	A	9.61	21.37	− 9.05	1.06	1.13	0.98	0.79	1.04	+11	−14	+ 3	+18	− 3	+ 5	− 3	+10	+16	+25	1	0.41
74918	15 18 35.35	−08 23 50.1	7.49	G	229.647 277 37	−08.397 236 81		5.33	−16.40	−12.76	0.97	0.70	1.12	1.26	0.89	−30	−26	−12	+18	−12	+ 2	− 3	+ 3	−12	− 5	3	0.93
74919 H	15 18 35.68	−46 12 06.9	8.36	H	229.648 665 85	−46.201 913 47	A	6.22	−36.44	−21.62	1.58	1.46	1.67	1.47	1.56	−15	−17	−16	+ 5	+21	− 5	+26	+ 9	−17	− 9	3	−0.88
74920	15 18 35.88	−24 14 57.1	8.16	H	229.649 497 28	−24.249 198 89		3.50	−40.50	−44.52	1.15	0.86	1.44	1.54	1.23	− 7	−19	−38	−10	− 6	−16	−20	− 3	+28	−16	0	−0.93
74921	15 18 37.29	+02 36 56.7	10.54	H	229.655 367 17	+02.615 739 92		−0.07	− 2.10	− 6.94	2.11	1.60	2.27	2.63	1.99	−38	+ 1	−16	+43	− 5	+15	− 7	−17	+10	−43	0	−1.26
74922	15 18 37.54	+39 36 34.2	8.53	G	229.656 405 93	+39.609 495 30		7.99	5.27	−36.99	0.68	0.65	0.91	0.78	0.83	+17	− 6	− 7	−14	− 8	+17	− 7	− 4	+14	+ 4	0	0.83
74923	15 18 37.60	−25 00 01.3	7.70	H	229.656 675 24	−25.000 353 37		8.65	11.11	−34.25	0.95	0.81	1.28	1.26	1.12	− 3	−23	−49	+14	−16	+ 6	−20	+10	+25	−26	0	−0.17
74924	15 18 38.89	−02 48 02.0	8.47	H	229.662 040 22	−02.800 551 32		7.86	36.82	−49.68	0.90	0.77	1.11	1.12	0.91	−21	−20	−32	+22	−16	+20	− 5	+ 5	−13	−23	0	1.18
74925	15 18 39.05	−00 10 03.8	8.85	G	229.662 720 99	−00.167 734 05		6.06	−29.90	−21.15	1.24	0.84	1.31	1.40	0.97	−27	−13	−11	+40	− 7	+18	− 3	− 7	− 4	−25	0	−0.41
74926	15 18 39.27	−18 37 32.6	10.35	G	229.663 627 60	−18.625 724 05		38.12	447.76	−354.74	9.54	6.58	11.01	11.27	8.06	+ 9	−32	−39	+ 4	− 6	+18	+ 1	+ 1	+ 1	− 3	0	
74927	15 18 39.36	+01 15 59.1	9.77	H	229.664 012 70	+01.266 429 98		4.09	4.88	−15.57	1.32	1.05	1.61	1.55	1.27	−20	−28	−30	+20	−21	+ 0	−27	− 1	+17	−38	0	0.09
74928	15 18 39.67	+45 01 02.0	7.81	H	229.665 277 23	+45.017 230 27		4.34	−35.85	12.84	0.60	0.59	0.73	0.72	0.70	+12	− 9	− 0	− 4	− 0	− 1	− 3	−10	− 3	− 1	0	0.70
74929	15 18 41.31	−31 12 33.6	6.18	H	229.672 115 38	−31.209 331 38		3.27	− 8.12	− 6.46	0.70	0.61	0.86	0.69	0.70	− 9	−21	−37	+ 4	−22	+17	− 9	+36	−24	−37	0	0.09
74930	15 18 41.98	+10 25 39.7	7.11	G	229.674 936 96	+10.427 682 38	A	21.07	−102.99	15.01	2.94	1.67	2.35	3.93	2.14	+ 7	−38	− 7	+29	+ 3	− 2	− 8	−12	+ 9	−22	15	2.22
74931	15 18 42.18	+10 25 26.7	8.04	G	229.675 760 44	+10.424 076 53	B	26.53	−100.76	4.41	10.58	6.03	6.72	8.50	5.83	+ 3	−38	− 3	+36	+ 3	− 6	−11	− 8	+12	−25	15	2.22
74932	15 18 42.96	+03 44 07.9	9.62	H	229.678 986 22	+03.735 535 60		5.91	7.89	− 6.98	1.48	1.08	1.72	1.48	1.23	−41	−53	+19	+25	− 8	−18	−10	−27	+ 8	−41	2	−0.17
74933	15 18 43.17	+25 46 18.4	8.60	H	229.679 884 29	+25.771 773 69		13.15	−140.86	−81.77	1.00	0.82	1.19	1.03	0.98	−30	−29	−10	+46	−19	−11	−20	+27	−12	−49	0	0.36
74934	15 18 44.71	−27 58 09.8	9.10	G	229.686 299 26	−27.969 376 78		5.53	− 7.52	− 6.20	1.64	1.01	1.53	2.71	1.49	+29	−23	−41	−40	−35	+19	−39	−11	+ 4	+56	3	1.76
74935	15 18 45.51	+58 30 12.4	6.87	H	229.689 616 54	+58.503 442 31		3.21	8.90	18.60	0.51	0.55	0.60	0.52	0.57	− 6	− 2	− 6	−37	+ 3	− 8	+ 7	−17	+ 1	−27	3	0.72
74936	15 18 46.04	−54 21 51.3	7.01	2 H	229.691 846 70	−54.364 238 12		1.24	− 7.47	− 5.75	0.73	0.70	1.00	0.90	0.93	− 2	−32	−37	+31	+13	−17	+ 4	+12	+13	−31	0	1.54
74937 H	15 18 47.40	+36 26 54.5	9.85	H	229.697 480 41	+36.448 463 70	A	2.02	8.80	0.10	1.41	1.61	1.93	1.61	1.91	+18	− 7	−33	+14	− 4	− 4	+ 0	+ 4	−10	+25	1	0.11
74938	15 18 47.47	+59 31 16.4	8.20	2 G	229.697 803 37	+59.521 234 53		0.96	− 1.42	10.02	0.56	0.63	0.68	0.57	0.66	− 4	−15	−21	− 7	+ 5	− 3	+ 6	− 5	− 8	−23	0	1.10
74939	15 18 47.94	−22 44 58.3	10.49	H	229.699 769 02	−22.749 540 43		9.69	−24.87	−15.09	2.63	1.63	2.83	5.34	2.60	+15	−21	−44	−30	−21	+16	−26	−23	+24	+66	0	0.49
74940	15 18 47.97	−51 48 03.3	8.60	H	229.699 887 68	−51.800 909 96		3.24	−16.20	−17.40	0.85	0.73	1.12	0.82	0.84	− 8	−44	−14	+10	+ 2	− 9	+ 1	+22	− 2	− 9	0	2.02
74941	15 18 49.15	−60 29 46.8	5.43	H	229.704 778 50	−60.496 323 29		0.02	− 3.17	− 4.57	0.52	0.49	0.71	0.54	0.63	+ 1	−33	−29	− 2	+14	− 9	+ 7	− 6	+19	−21	0	2.56
74942	15 18 50.17	+74 51 28.9	7.61	H	229.709 050 86	+74.858 023 13		4.94	−47.04	19.34	0.54	0.57	0.62	0.51	0.60	+ 6	−26	−25	−16	+ 1	+ 2	+ 4	+ 7	−11	+ 5	0	2.11
74943	15 18 51.27	+63 09 16.5	8.47	H	229.713 609 64	+63.154 576 33		5.03	8.97	− 6.05	0.57	0.58	0.63	0.61	0.63	+16	− 9	−12	−18	− 8	−11	− 4	+ 5	−21	+ 2	0	0.00
74944	15 18 51.38	+29 55 02.6	7.84	H	229.714 086 88	+29.917 395 93		9.95	−34.30	35.45	0.54	0.65	1.01	0.56	0.78	+11	− 9	−25	− 1	−21	+ 9	−14	+30	−17	−17	0	0.79
74945	15 18 51.50	+18 01 27.8	9.77	H	229.714 595 31	+18.024 402 41		2.35	− 0.70	− 0.32	1.28	0.97	1.51	1.40	1.33	+ 6	−31	+ 4	−31	−36	+13	−44	− 8	+20	+ 0	2	1.26
74946	15 18 54.69	−68 40 46.1	2.87	G	229.727 870 07	−68.679 467 23		17.85	−66.48	−32.00	0.29	0.39	0.52	0.35	0.49	+15	− 9	− 5	+ 2	+ 4	− 1	+ 3	+25	− 2	+19	0	−0.91
74947	15 18 55.51	−67 00 53.9	8.85	1 H	229.731 294 31	−67.014 980 51		1.16	−15.64	−11.03	0.59	0.70	1.02	0.64	0.90	+28	−13	−12	−27	+ 0	−10	− 4	+ 1	− 4	+41	0	0.46
74948	15 18 55.54	−01 35 32.8	6.93	H	229.731 434 35	−01.592 443 30		19.13	−124.05	23.50	0.73	0.58	0.85	0.89	0.66	−24	−11	−28	+22	− 3	+ 8	+ 2	−26	+ 1	−23	0	2.03
74949	15 18 55.72	−29 13 16.8	8.38	H	229.732 169 34	−29.221 341 42		6.98	−45.44	−12.28	0.98	0.83	1.19	1.16	1.02	−17	−16	−29	+16	−18	+21	−13	+26	+ 0	−26	0	1.32
74950	15 18 56.39	−40 47 17.4	5.59	2 H	229.734 956 51	−40.788 168 75		6.34	−19.36	−21.78	0.56	0.45	0.72	0.73	0.61	−34	−13	− 1	+16	+11	−17	+10	+19	− 2	− 7	0	0.06
74951	15 18 57.54	+04 33 02.3	8.69	G	229.739 749 21	+04.550 641 07		11.14	60.32	− 9.54	1.08	0.68	1.13	1.15	0.89	−11	−32	+ 1	+34	− 7	− 5	−13	+ 1	+ 4	−27	0	−0.21
74952	15 18 57.77	−04 32 44.1	8.26	G	229.740 720 90	−04.545 596 99		9.32	−73.46	9.40	1.03	0.67	1.06	1.23	0.87	−22	−13	− 5	+38	− 3	+20	+ 3	+ 3	− 6	−16	2	0.35
74953	15 18 57.96	−57 32 27.5	8.11	H	229.741 484 00	−57.540 980 11		1.88	−16.34	− 6.38	0.71	0.78	1.23	1.17	1.09	+ 8	+13	−18	−13	+10	−46	+ 3	− 3	+11	+11	0	3.22
74954	15 18 59.42	+25 41 31.2	7.99	H	229.747 565 61	+25.692 012 14		29.75	−554.21	−125.11	0.79	0.74	1.05	0.88	0.91	−23	−29	− 4	+52	−15	−26	−17	+31	−10	−42	0	−0.59
74955	15 19 01.57	+06 59 17.2	8.47	H	229.756 528 73	+06.988 117 09		2.46	−11.31	−23.54	1.10	0.59	1.13	1.40	0.95	+ 2	−12	− 7	+41	− 6	− 2	−18	− 2	+ 9	−22	0	0.70
74956	15 19 01.75	−41 20 22.2	8.73	G	229.757 277 01	−41.339 495 53		3.06	8.60	− 6.53	0.88	0.71	1.17	1.05	0.96	−26	−24	− 4	+15	+ 3	−18	+ 5	+23	−14	−15	0	2.02
74957	15 19 01.83	+15 10 03.0	8.86	G	229.757 610 77	+15.167 490 65		3.47	7.94	− 6.71	1.05	0.77	1.36	1.29	1.27	+ 4	−14	− 3	−44	−29	+25	−38	−19	+15	− 6	0	−0.18
74958	15 19 02.79	+24 55 34.5	8.58	H	229.761 620 97	+24.926 238 78		1.97	8.55	− 6.09	0.79	0.73	1.12	0.84	1.08	−22	−18	+ 6	+50	+ 4	−14	+ 1	+13	− 5	−56	1	−0.51
74959	15 19 05.44	−36 21 44.0	9.37	H	229.772 655 19	−36.362 217 32		6.63	−24.42	−25.14	1.20	0.87	1.45	1.35	1.32	−31	−21	− 9	+ 0	−10	+10	− 6	+22	−20	−32	0	1.80
74960	15 19 05.89	−45 56 45.4	11.15	H	229.774 544 89	−45.945 939 37		0.96	−39.33	−35.68	2.22	2.02	3.19	2.82	2.77	−35	− 7	−22	− 3	+12	−35	+ 6	+14	+ 0	−34	0	−0.23
74961	15 19 06.20	+41 44 01.1	7.88	G	229.775 823 35	+41.733 648 23		9.40	−19.72	−181.65	0.56	0.59	0.72	0.62	0.68	+18	− 5	−10	− 8	+ 0	+14	+ 2	+ 0	− 1	+16	0	−1.88
74962	15 19 07.11	−50 16 53.7	9.40	H	229.779 630 54	−50.281 577 51		2.87	− 6.99	− 3.99	1.10	1.08	1.49	1.20	1.36	−13	−24	−15	+16	− 6	+ 7	+ 2	+39	−23	−20	2	−1.13
74963	15 19 07.83	−63 57 31.5	9.80	H	229.782 633 49	−63.958 752 61		4.87	3.21	− 0.19	0.86	1.05	1.63	1.10	1.33	+ 4	− 2	+ 4	+18	+19	−31	+22	+11	−16	+ 3	3	0.55
74964	15 19 07.87	+48 37 21.9	8.58	H	229.782 789 12	+48.622 760 79		7.14	−44.19	−42.85	0.72	0.67	0.83	0.84	0.81	+ 7	−19	+ 2	+ 2	+ 0	+11	+ 0	+ 5	− 3	+19	0	2.24
74965	15 19 08.58	−21 34 17.4	11.25	G	229.785 732 74	−21.571 499 35		−1.36	0.68	− 6.20	2.34	1.73	2.63	2.63	1.87	− 2	− 5	−35	− 9	− 1	− 3	− 1	− 4	−12	+13	0	−0.09
74966	15 19 09.27	−69 07 50.8	9.64	H	229.788 642 89	−69.130 770 84		4.99	−18.14	−59.52	0.79	1.08	1.45	0.96	1.43	+34	− 9	− 8	− 2	+10	+ 4	+ 6	+20	+ 6	+50	2	1.17
74967	15 19 09.45	−60 08 01.3	7.39	H	229.789 368 74	−60.133 688 75		0.17	− 3.20	− 7.35	0.64	0.60	0.91	0.66	0.78	+12	−40	−28	− 1	+10	−10	+ 7	− 3	+ 7	−14	2	0.11
74968	15 19 11.20	+37 29 17.0	9.33	H	229.796 652 54	+37.488 046 38		1.90	7.29	38.86	0.74	0.76	1.02	0.83	0.86	+11	− 5	− 9	+10	+ 8	+11	+ 8	+11	− 4	+ 6	1	−0.42
74969	15 19 12.03	+38 24 45.2	9.46	H	229.800 121 57	+38.412 544 45		7.21	−34.70	−10.11	0.78	0.81	1.03	0.90	0.93	− 2	+ 7	− 9	+22	−16	− 1	−18	+19	−14	−28	0	0.14
74970	15 19 12.40	−41 18 54.7	8.19	H	229.801 648 73	−41.315 180 75		−0.01	−11.71	− 7.71	0.83	0.68	1.10	1.00	0.91	−29	−27	− 5	+16	+ 5	−19	+ 6	+22	−11	−16	0	0.81
74971 H	15 19 13.20	+43 28 52.7	9.51	H	229.805 005 93	+43.481 316 59	A	0.89	− 4.37	8.73	2.40	1.91	2.23	2.49	1.94	+12	−15	− 9	+10	− 4	+14	+ 0	+ 6	−19	+10	4	0.11
74972	15 19 14.63	−02 10 01.5	8.86	H	229.810 942 23	−02.167 093 18		3.32	91.31	−72.12	1.14	0.94	1.36	1.40	1.08	−40	+31	−48	+36	+ 1	+26	+20	−44	+20	−25	4	2.01
74973	15 19 15.20	+32 51 28.9	9.67	H	229.813 316 53	+32.858 039 75		7.45	30.69	− 9.70	0.76	0.88	1.26	0.82	1.01	+ 5	− 9	+ 7	− 3	− 2	− 3	+ 1	+11	−15	− 8	1	−0.02
74974 H	15 19 16.22	−55 31 42.5	8.73	H	229.817 571 31	−55.528 466 31	*	1.92	− 5.92	− 5.33	1.81	2.37	1.83	1.53	1.67	− 1	−29	−32	+15	+11	−43	− 9	+ 7	+35	−41	1	0.60
74975	15 19 18.58	+01 46 00.0	5.04	H	229.827 416 26	+01.766 656 11		40.46	373.24	−513.64	0.75	0.52	0.81	0.90	0.64	−30	−23	− 6	+40	−20	+16	−17	+12	+ 3	−24	7	1.31
74976	15 19 18.77	+61 22 30.0	7.39	H	229.828 205 45	+61.374 996 37		15.49	−37.42	−17.34	0.52	0.56	0.58	0.58	0.63	+17	−15	−14	+ 3	+12	− 7	+12	+35	−16	+18	1	−0.75
74977	15 19 18.91	+37 47 04.6	8.22	H	229.828 784 03	+37.784 606 13		1.53	−26.05	−50.62	0.56	0.60	0.81	0.61	0.68	+12	− 4	−12	+14	+ 1	−10	− 1	+10	−11	− 7	0	1.35
74978	15 19 18.98	+23 14 11.2	9.10	H	229.829 103 46	+23.236 436 19		6.20	46.05	−61.74	0.79	0.91	1.35	1.08	1.33	−21	−16	−17	+18	+ 1	−27	−13	−10	+25	−48	0	1.27
74979	15 19 19.93	−28 58 27.0	8.14	H	229.833 054 51	−28.974 172 04		5.63	8.18	− 3.67	0.94	0.74	1.15	1.05	0.85	− 7	−18	−33	+17	−11	+26	+ 0	+22	−10	−16	0	−0.24
74980	15 19 20.88	−35 42 19.4	8.57	H	229.836 997 18	−35.705 390 54		1.05	− 2.71	− 2.24	1.04	0.62	1.19	0.97	0.88	−18	−36	−12	+21	− 3	+ 8	+ 2	+18	− 1	−21	0	1.60
74981	15 19 21.25	+29 12 18.8	10.25	G	229.838 531 11	+29.205 213 42		34.86	−142.82	394.91	0.99	1.30	2.02	0.92	1.65	+21	−24	− 6	−40	−24	+15	−29	+18	+ 9	+21	2	0.51
74982	15 19 21.80	−09 08 47.0	6.95	2 H	229.840 829 01	−09.146 397 65		5.37	12.34	−49.82	1.02	0.75	1.13	1.23	0.94	−42	−19	−18	+36	−30	+22	−20	+31	−21	−37	0	1.27
74983	15 19 22.05	−60 22 30.7	7.83	H	229.841 859 51	−60.375 180 69		1.04	− 8.77	− 9.92	0.99	0.82	1.37	1.06	1.08	+ 9	−35	−23	−18	+16	−27	+12	−15	+ 6	−20	0	3.39
*74984 H	15 19 22.42	−36 41 51.6	7.87	H	229.843 426 94	−36.697 663 27	A	6.55	30.44	−10.40	1.39	1.03	1.47	1.52	1.44	−25	−19	−13	− 4	− 5	+14	− 1	+10	−12	−24	3	−0.30
*74985	15 19 22.34	−34 01 56.7	7.76	H	229.843 095 00	−34.032 404 66		5.12	−15.41	−21.43	0.74	0.51	0.84	0.79	0.79	−36	−23	+ 3	+14	−12	− 9	−15	+20	+ 2	−26	0	1.94
74986 H	15 19 22.64	−62 47 24.6	8.89	H	229.844 342 78	−62.790 160 76	A	4.16	−33.77	− 9.10	1.34	1.84	2.12	1.51	2.17	−18	−22	+ 5	+25	+12	− 5	+16	+25	− 7	−14	1	0.59
74987	15 19 24.19	+50 12 52.6	7.60	H	229.850 805 24	+50.214 605 91		6.17	−14.82	13.90	0.51	0.53	0.60	0.54	0.62	+14	− 1	+ 9	+ 5	+ 8	+ 1	+ 8	+14	+ 1	+23	0	0.20
74988	15 19 25.34	+37 16 31.3	9.12	H	229.855 580 35	+37.275 361 04		−0.65	−16.02	10.24	0.78	0.79	1.06	0.83	0.88	+19	− 4	− 6	− 3	+ 5	−10	+ 6	+17	+ 4	+10	0	1.52
74989	15 19 25.39	−03 49 02.2	8.98	H	229.855 812 25	−03.817 277 15		16.90	−135.50	−129.99	1.12	0.85	1.24	1.36	1.13	−13	−19	−12	+12	− 4	− 9	− 3	+ 3	−12	−10	0	1.24
74990	15 19 26.21	−37 34 27.5	8.83	H	229.859 190 71	−37.574 299 43		4.27	− 8.01	− 1.86	1.11	0.74	1.27	1.41	1.16	−20	−16	−15	+18	−10	+10	−26	+ 2	− 7	0	0	0.35
74991	15 19 26.40	−38 50 13.8	9.47	H	229.860 006 72	−38.837 175 47		2.75	− 5.29	−14.28	1.16	0.87	1.38	1.13	1.19	−18	−20	− 9	−13	− 6	−12	− 8	+ 6	−16	−18	0	1.46
74992	15 19 26.75	−19 10 09.0	8.05	H	229.861 467 17	−19.169 165 93		6.03	−30.13	−27.13	0.99	0.67	1.06	1.09	0.83	+ 3	−29	−24	+27	+ 4	+17	+13	+16	−10	− 5	0	−0.27
74993	15 19 27.31	−48 30 29.6	9.22	H	229.863 808 57	−48.508 222 79		5.80	−33.94	−12.34	1.06	1.01	1.55	1.09	1.11	+ 2	−32	−39	+12	+16	−12	+ 6	+ 1	+20	− 1	0	0.66
74994	15 19 27.33	−50 57 01.6	9.07	H	229.863 867 59	−50.950 434 74		8.34	−23.37	−14.31	0.84	0.85	1.16	0.84	0.97	− 4	−23	−13	+ 0	− 9	− 8	− 6	+17	−12	−16	2	1.23
74995	15 19 27.55	−07 43 19.3	10.57	G	229.864 774 39	−07.722 038 34		159.52	−1224.55	−99.52	1.99	1.34	2.27	3.07	1.79	−17	−26	+ 5	−11	−14	−23	− 3	−24	−21	+29	0	−0.28
74996	15 19 27.78	+63 59 19.3	9.47	H	229.865 740 52	+63.988 695 73		3.29	0.26	15.79	0.78	0.95	0.91	0.91	1.10	+ 6	− 5	− 9	− 9	− 8	− 6	− 4	+32	− 9	− 5	0	2.15
74997	15 19 28.51	+06 06 29.8	10.08	H	229.868 778 58	+06.108 268 34		−0.85	13.80	11.19	1.48	0.79	1.70	2.19	1.23	+ 5	−

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
74901	7.856	0.011	6.045	0.005		1.507	0.010	T	1.54	0.01	L	6.0006	0.0012	0.007	64		5.99	6.01					1							S
74902	10.820	0.053	9.575	0.029		1.062	0.047	T	1.03	0.04	L	9.5902	0.0041	0.025	85		9.55	9.65					1							
74903	10.045	0.027	9.393	0.024		0.605	0.031	T	0.67	0.03	L	9.5006	0.0032	0.035	95		9.44	9.57					1							
74904	8.822	0.019	7.854	0.014		0.835	0.015	G	0.85	0.01	H	7.9227	0.0011	0.011	62		7.91	7.95					1							S
74905	9.578	0.019	9.180	0.020		0.377	0.026	T	0.44	0.03	L	9.2477	0.0031	0.023	106		9.20	9.30					1							S
74906						0.786	0.002	G	0.82	0.00	H	11.0377	0.0056	0.036	52		10.99	11.11		C			1							G
74907	11.024	0.100	10.363	0.091		0.560	0.072	G	0.63	0.07	R	10.4821	0.0036	0.027	60		10.44	10.52		C			1							
74908	10.166	0.041	8.991	0.025		1.008	0.037	T	0.98	0.03	L	9.0211	0.0016	0.014	60		9.00	9.05					1							
74909	9.998	0.024	8.813	0.015		1.015	0.022	T	0.99	0.02	L	8.8631	0.0014	0.014	120		8.84	8.89					1							
74910	8.124	0.010	8.107	0.013		0.020	0.015	T	0.04	0.01	L	8.1480	0.0020	0.019	74		8.13	8.18		C			1							
74911	4.154	0.005	4.264	0.005	*	−0.086	0.008	G	−0.07	0.02	A *	4.2229	0.0014	0.014	76	–	4.19	4.24		D	15185−4753	I 2	2 C P C	BA	311	1.101	0.004	0.13	0.02	S G
74912	10.785	0.055	10.168	0.052		0.571	0.056	T	0.64	0.05	L	10.1949	0.0040	0.023	60		10.16	10.23		C			1							G
74913	7.977	0.008	7.835	0.009		0.137	0.011	T	0.15	0.01	L	7.8669	0.0012	0.011	118		7.85	7.88		C			1							S
74914	11.177	0.046	9.677	0.020		1.262	0.039	T	1.22	0.04	L	9.7067	0.0024	0.026	180		9.63	9.75		C			1							
74915	6.902	0.010	6.771	0.011	C	0.093	0.015	G	0.11	0.02	H	6.6281	0.0580	0.223	30	–	6.23	6.84			15185−4753	I 2	1 C L C							S G
74916	9.257	0.015	8.735	0.014		0.490	0.019	T	0.56	0.02	L	8.7865	0.0019	0.015	90		8.77	8.82					1							S
74917	7.380	0.006	7.071	0.006	*	0.330	0.015	G	0.33	0.02	A *	7.1068	0.0015	0.015	142	*	7.08	7.13		D	15186−7828	I 1	2 C A	AS	101	0.458	0.002	0.72	0.01	S
74918	9.112	0.020	7.635	0.011		1.150	0.015	G	1.11	0.01	H	7.6554	0.0013	0.008	58		7.64	7.67					1							S
74919	8.772	0.012	8.421	0.013	*	0.341	0.016	T	0.40	0.02	L *	8.4471	0.0017	0.014	81	*	8.42	8.47		D	15186−4612	I 1	2 C A	AB	38	0.473	0.004	1.20	0.02	
74920	9.805	0.028	8.314	0.015		1.255	0.025	T	1.21	0.03	L	8.3151	0.0020	0.013	56		8.30	8.34		C			1							
74921	12.248	0.280	10.667	0.107		1.554	0.197	G	1.56	0.22	R	10.6580	0.0058	0.032	52		10.60	10.71		C			1							G
74922	8.977	0.011	8.567	0.011		0.415	0.015	G	0.48	0.02	H	8.6226	0.0013	0.016	145		8.59	8.67					1							S
74923	7.915	0.008	7.724	0.012		0.175	0.014	T	0.19	0.02	L	7.7566	0.0016	0.009	57		7.74	7.78					1							S
74924	9.093	0.019	8.530	0.018		0.576	0.015	G	0.65	0.01	H	8.5916	0.0021	0.013	65		8.57	8.62					1							S
74925	9.354	0.027	8.894	0.027		0.453	0.001	G	0.52	0.00	H	8.9719	0.0025	0.020	62		8.94	8.99					1							
74926	11.995	0.179	10.643	0.089		1.214	0.009	G	1.44	0.02	A	10.4706	0.0071	0.023	49		10.44	10.51					1 X							G G
74927	10.497	0.045	9.922	0.044		0.537	0.056	T	0.61	0.06	L	9.8838	0.0034	0.021	69		9.83	9.92		C			1							
74928	9.167	0.013	7.934	0.008		1.053	0.012	T	1.02	0.01	L	7.9811	0.0014	0.010	120		7.96	8.01		C			1 G							S
74929	7.759	0.009	6.332	0.006		1.205	0.008	T	1.16	0.01	L	6.3480	0.0009	0.007	68		6.33	6.36		C	15187−3113	I 1	1							S
74930	7.701	0.008	7.181	0.006	A	0.497	0.003	G	0.57	0.00	H	7.2173	0.0104	0.057	87	A	7.17	7.39		D	15187+1026	I 2	1 C P A							S
74931	8.759	0.014	8.070	0.013	B	0.619	0.003	G	0.69	0.00	H	8.2200	0.0229			B				D	15187+1026	I 2	1 C I A							S
74932	10.070	0.032	9.685	0.035		0.364	0.044	T	0.43	0.05	L	9.6989	0.0032	0.026	64		9.64	9.74					1							
74933	9.297	0.015	8.675	0.014		0.569	0.012	G	0.64	0.01	H	8.7225	0.0024	0.023	107		8.70	8.77					1							S
74934	9.935	0.035	9.225	0.030		0.673	0.020	G	0.73	0.02	H	9.2459	0.0028	0.016	48		9.22	9.28		C			1							
74935	8.455	0.012	6.991	0.007		1.234	0.011	T	1.19	0.01	L	7.0304	0.0009	0.009	107		7.01	7.04		C			1							S
74936	9.280	0.022	7.219	0.009		1.744	0.020	T	2.34	0.05	O	7.0492	0.0033	0.019	63		7.03	7.09		U 2			1							S
74937	10.298	0.027	9.858	0.028	A	0.341	0.072	G	0.40	0.10	R *	9.9269	0.0030	0.034	140	*	9.86	10.00			15188+3627	H 1	2 C D	AB	227	1.165	0.065	3.30	0.28	D
74938	10.277	0.029	8.401	0.012		1.600	0.015	G	1.61	0.09	H	8.2698	0.0039	0.037	105		8.20	8.33		U 2			1							
74939	11.427	0.122	10.482	0.082		0.820	0.114	T	0.84	0.08	L	10.6307	0.0042	0.033	42		10.57	10.69		C			1							G
74940	8.747	0.014	8.635	0.016		0.101	0.019	T	0.11	0.02	L	8.6410	0.0020	0.012	73		8.62	8.66		C			1 S							
74941	5.301	0.003	5.422	0.003		−0.089	0.002	G	−0.07	0.00	H	5.4043	0.0007	0.005	101		5.39	5.42		C	15188−6030	I 1	1							S
74942	9.109	0.013	7.736	0.008		1.162	0.012	T	1.12	0.01	L	7.7730	0.0009	0.010	127		7.75	7.80		C			1 S							S
74943	8.797	0.011	8.489	0.012		0.293	0.015	T	0.33	0.02	L	8.5456	0.0017	0.014	105		8.53	8.57		C			1							S
74944	8.248	0.008	7.861	0.008		0.366	0.011	T	0.43	0.01	L	7.9258	0.0012	0.014	156		7.90	7.95		C			1							S
74945	11.924	0.109	10.069	0.035		1.564	0.082	G	1.69	0.17	K	9.8793	0.0026	0.026	111		9.83	9.94					1							
74946	2.916	0.002	2.884	0.001		0.014	0.008	G	0.04	0.02	A	2.8816	0.0003	0.004	203		2.88	2.89					1							S
74947	9.027	0.010	8.878	0.012		0.143	0.015	T	0.16	0.01	L	8.9025	0.0014	0.025	232		8.86	8.95		U			1							
74948	7.558	0.010	6.995	0.009		0.553	0.007	G	0.63	0.01	H	7.0513	0.0010	0.010	69		7.04	7.07					1							S
74949	10.163	0.030	8.556	0.015		1.346	0.026	T	1.31	0.03	L	8.5342	0.0018	0.015	72		8.51	8.57					1							S
74950	5.462	0.006	5.577	0.005		−0.099	0.007	T	−0.08	0.01	L	5.5591	0.0013	0.068	135		5.55	5.80	1.85	P 1 A			1							S P
74951	9.221	0.017	8.724	0.017		0.451	0.015	G	0.52	0.02	H	8.8003	0.0024	0.016	95		8.77	8.83		C			1							S
74952	8.807	0.017	8.309	0.016		0.495	0.015	G	0.57	0.02	H	8.3746	0.0020	0.011	59		8.35	8.40		C			1							S
74953	10.231	0.031	8.312	0.013		1.627	0.028	T	2.06	0.08	O	8.1857	0.0021	0.018	93		8.15	8.21					1							
74954	8.915	0.012	8.063	0.010		0.737	0.000	G	0.78	0.00	H	8.1289	0.0020	0.019	113		8.10	8.16					1							S
74955	10.055	0.024	8.581	0.013		1.241	0.021	T	1.20	0.02	L	8.6352	0.0015	0.017	116		8.60	8.67					1							
74956	8.961	0.014	8.741	0.016		0.198	0.015	G	0.22	0.02	H	8.7938	0.0018	0.014	96		8.77	8.82		C			1							
74957	10.300	0.025	8.962	0.014		1.140	0.020	G	1.10	0.02	H	9.0393	0.0019	0.023	124		9.00	9.08					1							
74958	9.749	0.019	8.671	0.013		0.933	0.018	T	0.93	0.01	L	8.7406	0.0016	0.016	150		8.72	8.77		C			1							S
74959	9.955	0.024	9.470	0.024		0.469	0.026	T	0.54	0.03	L	9.4754	0.0025	0.022	91		9.44	9.51		C			1							
74960											T	11.2896	0.0048	0.046	80		11.16	11.37					1 S							G
74961	9.068	0.011	7.976	0.007		0.930	0.015	G	0.98	0.02	I	8.0279	0.0011	0.013	146		8.01	8.05		C			1							S
74962	10.695	0.044	9.521	0.027		1.007	0.040	T	0.98	0.03	L	9.5616	0.0020	0.022	84		9.53	9.59		C			1							G
74963	10.152	0.026	9.851	0.031		0.287	0.043	T	0.33	0.05	L	9.8750	0.0024	0.030	156		9.82	9.93		C			1							G
74964	9.134	0.013	8.635	0.012		0.469	0.016	T	0.54	0.02	L	8.6816	0.0017	0.021	116		8.65	8.71		C			1							S
74965											T	11.3034	0.0092	0.046	59		11.26	11.41		C			1							G
74966	10.468	0.030	9.693	0.025		0.689	0.030	T	0.75	0.03	L	9.7720	0.0022	0.031	193		9.72	9.84					1							G
74967	7.372	0.008	7.391	0.010		−0.013	0.012	T	0.01	0.01	L	7.3952	0.0016	0.011	93		7.37	7.41					1							S
74968	9.934	0.020	9.382	0.019		0.517	0.025	T	0.59	0.03	L	9.4451	0.0017	0.022	154		9.41	9.48		C			1							
74969	10.148	0.025	9.566	0.024		0.544	0.031	T	0.62	0.03	L	9.5811	0.0025	0.027	142		9.53	9.63					1							
74970	9.429	0.019	8.295	0.012		0.976	0.017	T	0.96	0.01	L	8.3602	0.0017	0.014	97		8.34	8.38		C			1							
74971	10.357	0.032	9.690	0.028	*	0.618	0.036	T	0.69	0.03	L *	9.6346	0.0028	0.025	120	*	9.58	9.70		D	15192+4329	I 1	2 C A	AB	249	0.784	0.005	0.62	0.02	
74972	9.221	0.021	8.891	0.023		0.320	0.015	G	0.37	0.02	H	8.9363	0.0022	0.015	59		8.91	8.96					1							
74973	10.089	0.021	9.718	0.022		0.351	0.028	T	0.41	0.03	L	9.7528	0.0028	0.029	192		9.70	9.81		C			1							
74974	8.734	0.014	8.717	0.018	*	0.016	0.020	T	0.04	0.02	L *	8.7428	0.0035	0.024	67	*	8.70	8.78		D	15193−5532	I 1	2 C A	AB	265	0.235	0.009	1.01	0.16	
74975	5.695	0.004	5.112	0.003		0.540	0.000	G	0.61	0.02	A	5.1605	0.0008	0.004	62		5.15	5.17		C	15193+0146	I 1	1							S
74976	8.092	0.010	7.460	0.008		0.587	0.011	T	0.66	0.01	L	7.5174	0.0009	0.008	106		7.50	7.53		C			1							S
74977	9.687	0.017	8.327	0.010		1.152	0.015	T	1.11	0.01	L	8.3824	0.0014	0.015	167		8.35	8.41		C			1							S
74978	9.649	0.020	9.178	0.020		0.444	0.026	T	0.51	0.03	L	9.2005	0.0022	0.021	123		9.16	9.25		C			1							
74979	9.521	0.020	8.290	0.013		1.051	0.019	T	1.02	0.02	L	8.3039	0.0014	0.010	62		8.29	8.32		C			1							
74980	10.476	0.036	8.709	0.015		1.472	0.031	T	1.49	0.05	L	8.6981	0.0019	0.017	101		8.67	8.73					1							
74981	11.788	0.076	10.377	0.034		1.260	0.020	G	1.43	0.03	I	10.3264	0.0037	0.047	189		10.26	10.41		R			1							
74982	8.869	0.019	7.204	0.010		1.418	0.018	T	2.89	0.04	O	6.8800	0.0112	0.054	55		6.81	7.03		U 2 C			1 S							S P
74983	7.864	0.009	7.858	0.012		0.021	0.015	G	0.04	0.01	H	7.8437	0.0022	0.019	91		7.81	7.87			15194−6023	I 1	1 S							S
74984	8.169	0.014	7.788	0.015	*	0.372	0.018	T	0.43	0.02	L *	7.9590	0.0010	0.011	88	*	7.94	7.98		D	15194−3642	I 1	2 C A	AB	202	4.473	0.003	1.05	0.01	
74985	7.865	0.008	7.777	0.008		0.079	0.010	T	0.09	0.01	L	7.7965	0.0013	0.012	112		7.78	7.82					1							S
74986	10.273	0.024	9.056	0.015	*	1.040	0.022	T	1.01	0.02	L *	9.0597	0.0020	0.025	159	*	9.02	9.10			15194−6247	I 1	2 C A	AB	319	0.872	0.047	3.11	0.12	
74987	7.734	0.007	7.620	0.007		0.100	0.015	G	0.11	0.02	H	7.6392	0.0012	0.012	128		7.62	7.66		C			1							S
74988	10.520	0.031	9.243	0.017		1.087	0.028	T	1.05	0.02	L	9.2897	0.0020	0.026	152		9.25	9.34					1							
74989	9.934	0.029	9.065	0.023		0.711	0.005	G	0.76	0.01	H	9.1214	0.0026	0.020	63		9.09	9.16					1							
74990	10.539	0.041	8.970	0.020		1.316	0.036	T	1.28	0.04	L	8.9890	0.0015	0.014	77		8.97	9.02		C			1							
74991	9.908	0.025	9.478	0.027		0.420	0.030	T	0.49	0.03	L	9.5626	0.0024	0.020	88		9.53	9.60		C			1							
74992	8.349	0.012	8.075	0.013		0.261	0.017	T	0.29	0.02	L	8.1245	0.0019	0.015	50		8.10	8.15		C			1							S
74993	10.916	0.056	9.374	0.025		1.295	0.048	T	1.25	0.05	L	9.3742	0.0023	0.017	75		9.34	9.40		C			1							
74994	9.517	0.020	9.119	0.022		0.377	0.028	T	0.44	0.03	L	9.1582	0.0030	0.022	86		9.13	9.21					1							
74995						1.600	0.007	G	2.53	0.02	A	10.5759	0.0040	0.033	58		10.49	10.60					1							G
74996	10.965	0.050	9.631	0.026		1.132	0.044	T	1.10	0.05	L	9.6369	0.0026	0.024	100		9.57	9.68		C			1							
74997	10.657	0.041	10.092	0.041		0.529	0.052	T	0.60	0.06	L	10.1984	0.0032	0.027	108		10.16	10.25		C			1							
74998	9.148	0.015	8.099	0.010		0.911	0.014	T	0.91	0.01	L	8.1646	0.0012	0.010	115		8.15	8.18		C			1							S
74999	8.790	0.010	6.805	0.004		1.682	0.009	T	2.29	0.03	O	6.6387	0.0034	0.037	164		6.58	6.68		U 2			1							S
75000	6.602	0.003	6.349	0.003		0.234	0.006	G	0.21	0.03	C	6.3913	0.0006	0.008	207		6.38	6.41					1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)												Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
1 2	h m s	±° ′ ″	mag	6 7	deg	deg	10	mas	mas/yr		mas		mas	mas/yr		19	20	21	22	23	24	25	26	27	28	% 29	30
75001	15 19 30.75	+46 40 33.7	11.27	H	229.878 114 92	+46.676 038 11		6.57	−104.73	−197.58	1.75	1.67	2.01	2.21	2.06	+34	+13	−12	−21	−15	+ 6	−16	− 2	−16	+34	5	−1.78
75002	15 19 31.09	−49 37 19.7	8.49	H	229.879 536 86	−49.622 125 67		2.56	−2.85	−0.03	0.85	0.87	1.19	0.94	0.97	−15	−29	−23	+ 9	+ 3	− 7	+ 1	+32	− 9	− 7	0	2.26
75003	15 19 31.78	−37 05 48.5	6.19	G	229.882 405 74	−37.096 807 59		8.46	−78.57	−145.36	0.70	0.53	0.84	0.85	0.80	−33	−23	− 7	+16	− 9	+18	− 5	+24	− 3	−33	2	1.20
75004	15 19 32.45	−51 45 34.3	8.30	G	229.885 221 70	−51.759 540 64		11.05	23.27	−29.96	0.82	0.78	1.10	0.86	0.90	−10	−32	− 8	+15	+ 2	−19	+ 8	+15	−23	+ 5	0	1.51
75005	15 19 35.83	+29 34 03.3	8.37	H	229.899 294 23	+29.567 591 43		2.92	−37.08	−11.31	0.61	0.78	1.25	0.55	1.00	+20	−18	−25	−36	−23	+21	−19	+23	− 1	+ 7	0	−1.10
75006	15 19 37.22	+09 20 47.8	9.74	H	229.905 078 03	+09.346 600 50		3.16	−18.89	−25.48	1.36	0.80	1.50	1.61	1.17	+ 3	−23	+ 3	+ 2	−10	− 1	− 9	−18	−22	− 9	0	1.37
75007	15 19 37.24	−26 45 17.1	8.12	H	229.905 165 72	−26.754 759 96		−0.94	−14.28	−8.50	1.01	0.78	1.38	1.32	1.25	+ 3	−34	−44	+16	+ 2	−16	−20	− 6	+46	−35	0	1.54
75008	15 19 37.86	+59 51 24.0	10.92	H	229.907 762 39	+59.856 666 73		7.50	−171.01	−151.31	1.14	1.41	1.43	1.30	1.49	−10	− 6	−32	−19	+ 4	+ 8	+ 9	− 1	−17	−25	1	0.03
75009	15 19 38.09	+09 51 18.7	9.65	H	229.908 717 37	+09.855 202 27		4.69	10.61	−36.55	1.40	0.88	1.55	2.06	1.22	+ 8	−17	+ 0	+ 9	− 9	+ 0	− 5	−20	−12	+10	0	1.64
75010	15 19 38.40	+39 40 05.5	9.27	H	229.909 989 12	+39.668 182 66		6.21	− 3.26	−33.75	0.74	0.77	1.04	0.94	0.93	+11	−15	− 4	− 5	− 5	− 4	− 4	+ 1	+ 2	− 9	1	0.83
75011	15 19 40.27	+31 50 31.8	9.03	1 H	229.917 772 96	+31.842 168 23		22.27	−181.25	139.86	0.62	0.84	1.23	0.66	0.94	+29	−11	− 2	+28	+19	−10	+20	+32	+ 2	+17	1	1.61
75012 H	15 19 40.40	−24 16 11.7	7.29	G	229.918 345 08	−24.269 924 90	A	11.51	−36.55	−17.84	3.50	2.18	3.36	3.81	2.22	−16	−30	−30	−21	− 1	−21	−19	−13	+27	−37	0	0.39
75013	15 19 40.54	+44 13 08.4	8.95	H	229.918 900 68	+44.218 987 07		2.73	− 4.60	− 3.06	1.49	1.34	1.76	1.77	1.57	+ 9	+ 7	− 5	−10	−12	+ 1	−11	− 2	−11	− 7	0	
75014	15 19 43.01	+03 19 54.3	8.28	H	229.929 202 56	+03.331 742 98		8.20	2.35	−24.42	0.98	0.67	1.13	1.12	0.90	−28	−40	+ 1	+30	−19	+ 4	−26	+ 7	+15	−36	0	1.11
75015	15 19 43.95	−85 40 46.5	8.58	H	229.933 144 26	−85.679 581 87		13.20	−58.30	2.27	0.62	0.69	0.78	0.72	0.80	+17	−14	+17	− 2	+ 8	− 2	+10	− 9	− 4	+39	1	0.80
75016	15 19 44.05	−30 04 03.6	9.14	G	229.933 540 78	−30.067 670 89		8.98	38.08	14.74	1.38	1.08	1.67	1.74	1.28	− 3	− 8	−47	+23	− 9	+21	+ 2	+26	−16	− 2	0	0.32
75017	15 19 44.31	−67 11 37.0	11.25	H	229.934 619 40	−67.193 621 16	B	−1.65	− 1.93	− 7.20	33.45	42.29	2.15	1.35	2.02	+37	+ 6	+ 6	− 6	− 1	−12	− 4	− 4	− 9	+48	2	0.64
75018	15 19 45.72	−66 29 45.7	6.73	2 T	229.940 503 32	−66.496 018 93		0.43	− 4.44	− 6.47	0.37	0.48	0.71	0.37	0.57	+19	− 3	+ 6	−33	−10	−14	− 8	+ 8	− 5	+15	0	−0.92
75019	15 19 45.81	−36 15 29.8	9.46	H	229.940 891 75	−36.258 278 42		10.62	−79.09	−211.51	1.20	0.97	1.50	1.44	1.26	−17	−27	−24	− 5	+ 8	+10	+ 1	− 3	+ 1	−32	0	1.21
75020	15 19 46.03	−67 11 26.8	8.51	H	229.941 781 80	−67.190 770 01	A	−1.65	− 1.93	− 7.20	1.49	1.79	2.15	1.35	2.02	+31	− 9	+10	− 9	+13	−12	+11	+20	− 9	+48	2	0.64
75021	15 19 46.11	+16 22 57.0	10.18	H	229.942 140 03	+16.382 503 58		19.94	−150.69	−224.40	1.48	1.06	1.79	1.75	1.67	−19	−28	+10	−37	−20	+11	−30	− 7	+15	−25	0	1.12
75022	15 19 47.88	+67 49 08.4	8.28	H	229.949 520 72	+67.819 003 44		4.33	21.39	6.69	0.59	0.70	0.71	0.58	0.74	+ 7	− 8	−40	−24	− 2	−11	− 9	−25	+19	− 5	0	−0.53
75023	15 19 48.25	−20 52 16.3	8.40	H	229.951 023 07	−20.871 187 01		6.35	−95.88	−87.31	1.06	0.70	1.10	1.38	0.86	+ 4	−20	−20	+14	+ 0	+14	+ 8	+ 0	− 3	+30	0	−0.36
75024	15 19 48.98	+52 17 14.4	8.80	H	229.954 096 32	+52.287 322 49		18.31	59.42	87.63	0.68	0.69	0.80	0.83	0.79	+ 1	−15	+ 8	+17	+ 0	+ 1	+ 0	+ 9	−11	−15	2	−1.61
75025	15 19 49.12	+44 56 07.9	9.81	H	229.954 664 94	+44.935 531 94		2.24	− 1.97	2.43	0.91	0.89	1.11	1.02	1.06	+13	− 4	− 7	+ 4	− 1	− 4	− 1	+12	− 7	+11	4	0.63
75026	15 19 49.89	−06 29 00.6	9.37	H	229.957 868 92	−06.483 503 51		3.56	− 5.17	− 0.64	1.52	1.10	1.69	1.68	1.34	−16	− 8	−34	+40	+12	+ 5	+11	−22	+22	−25	0	−1.77
75027	15 19 50.15	−19 33 01.0	7.06	H	229.958 951 04	−19.550 268 04		15.40	−101.37	7.88	0.89	0.61	0.98	0.90	0.75	− 1	−36	−24	+24	− 4	+16	+ 7	+27	−16	−16	0	−0.90
75028	15 19 51.33	−11 10 47.1	9.24	H	229.963 885 01	−11.179 742 93		10.11	− 43.45	−31.32	1.16	0.76	1.34	1.46	1.01	−23	−14	−12	+24	−10	+35	+ 0	+ 4	−12	−15	0	−0.05
75029	15 19 52.41	−75 19 43.5	7.72	G	229.968 386 69	−75.328 758 00		16.52	− 63.44	−83.16	0.58	0.62	0.80	0.71	0.72	+17	−13	+ 7	−18	+16	+ 2	+16	+19	− 4	+13	1	−0.25
75030	15 19 52.54	+62 28 26.9	6.62	H	229.968 926 88	+62.474 151 42		8.15	− 51.17	43.04	0.49	0.49	0.55	0.54	0.55	+14	− 9	−11	−18	− 6	−10	+ 0	+16	−30	+ 4	0	−1.27
75031 H	15 19 53.20	+67 00 56.2	7.95	H	229.971 659 37	+67.015 606 64	A	6.43	15.81	0.78	0.74	0.79	0.74	0.71	0.88	+ 5	−15	−19	− 6	− 7	+ 3	− 9	− 4	+14	−14	1	−0.44
75032	15 19 54.07	−60 33 40.5	7.95	H	229.975 271 51	−60.561 248 37		−0.36	− 2.65	− 9.90	0.70	0.63	0.98	0.77	0.83	+18	−39	−34	− 1	+15	− 7	+ 8	− 4	+16	− 5	0	1.01
75033	15 19 55.22	+52 15 44.2	9.34	H	229.980 096 97	+52.262 273 50		4.85	− 22.92	25.36	0.76	0.76	0.89	0.94	0.90	+ 7	− 9	+ 3	+11	+ 1	+ 8	+ 0	− 6	−12	− 4	0	−0.13
75034	15 19 55.40	−55 05 38.7	9.68	G	229.980 844 21	−55.094 089 90		−0.25	− 0.96	− 2.35	1.07	1.53	1.98	1.51	1.98	−11	−31	−57	+21	+ 4	−34	−16	+21	+22	−63	2	1.32
75035	15 19 56.56	−30 06 24.6	9.15	2 H	229.985 648 87	−30.106 844 30		12.08	− 29.62	−35.47	1.41	1.11	1.70	1.65	1.28	+ 4	−16	−47	+14	−14	+17	− 4	+30	−24	− 5	0	0.61
75036	15 19 58.85	−44 52 36.8	9.41	H	229.995 218 49	−44.876 877 04		5.95	6.35	6.33	1.15	1.09	1.61	1.66	1.53	−37	+20	−41	+20	+ 8	− 7	+ 7	+19	+ 6	−21	0	0.35
75037	15 19 59.60	+60 20 22.7	7.74	H	229.998 346 66	+60.339 643 89		10.79	16.45	16.25	0.63	0.64	0.71	0.70	0.68	+ 6	−19	−30	− 7	+ 2	− 9	+ 3	+22	−10	− 3	0	−2.38
75038	15 20 00.03	−08 39 40.4	7.53	G	230.000 112 85	−08.661 218 18		22.28	101.41	−201.06	0.93	0.61	1.04	1.11	0.78	−26	−33	− 9	+26	−10	+ 9	+ 1	+ 9	−13	− 7	0	1.22
75039	15 20 02.34	+40 59 01.4	6.90	H	230.009 733 85	+40.983 730 83		24.81	− 38.08	179.76	0.44	0.48	0.59	0.54	0.60	+13	− 9	− 6	+ 1	+ 7	+11	+ 8	+ 6	− 3	+21	0	0.06
75040	15 20 02.73	−32 51 53.7	7.88	G	230.011 378 20	−32.864 912 34		7.92	29.51	−21.55	0.83	0.55	0.96	0.88	0.93	−27	−11	−20	+ 8	+21	+ 6	−25	+33	−20	−29	0	0.06
75041	15 20 04.78	−22 53 46.1	9.88	G	230.019 932 45	−22.896 149 09		7.97	− 77.42	−10.59	1.69	1.13	1.84	2.74	1.48	+ 4	− 1	−33	−22	− 2	−23	−11	−19	− 4	+42	4	−0.34
75042	15 20 05.12	+60 22 48.7	7.62	H	230.021 336 81	+60.380 208 14		7.27	− 35.59	43.32	0.58	0.57	0.64	0.63	0.64	+ 2	−19	−24	−16	− 1	− 7	+ 0	+20	− 7	− 7	0	−1.58
75043	15 20 05.14	+51 57 30.6	5.65	H	230.021 421 69	+51.958 487 56		15.32	10.88	11.28	0.44	0.45	0.52	0.56	0.58	+ 1	−12	+ 2	+17	− 7	+ 7	− 8	+ 1	−13	−13	0	0.21
75044	15 20 05.76	+02 19 04.2	10.61	H	230.024 001 83	+02.317 821 90		0.83	24.01	−106.70	2.18	1.51	2.37	2.72	1.98	−33	−19	+ 1	+36	+ 4	+ 5	− 3	−27	+ 8	−40	2	1.61
75045	15 20 05.93	−48 43 18.4	10.16	H	230.024 711 09	−48.721 782 00		6.86	9.20	− 6.30	1.33	1.21	1.89	1.39	1.37	− 2	−31	−34	+ 7	+19	−13	+ 9	− 5	+22	+ 1	0	1.34
75046	15 20 06.15	+14 33 39.8	7.46	2 H	230.025 622 87	+14.561 046 19		1.37	− 25.91	7.11	0.85	0.61	1.12	0.90	0.98	+ 1	−47	−16	−26	−17	+21	−20	+ 1	+22	−34	0	−0.80
75047	15 20 08.05	+17 14 43.7	9.19	H	230.033 529 00	+17.245 474 85		3.36	− 1.19	−22.68	0.97	0.76	1.26	1.09	0.99	−12	−28	+15	− 8	−12	+20	−22	+ 5	+19	−10	3	0.84
75048	15 20 08.58	+16 11 07.7	7.76	H	230.035 740 14	+16.185 460 24		12.49	− 59.95	−31.44	0.77	0.58	0.90	0.88	0.85	−12	−14	+ 5	−29	−34	+12	−39	+13	+10	−21	0	0.91
75049	15 20 08.64	+29 36 58.7	5.51	H	230.035 991 49	+29.616 311 09		11.90	−118.74	−42.02	0.37	0.47	0.74	0.35	0.59	+14	−18	−11	−27	−20	+16	+16	+23	− 2	+ 0	0	0.41
75050	15 20 09.39	−13 11 29.9	7.94	G	230.039 125 14	−13.191 633 83		8.63	− 15.01	− 7.63	1.11	0.74	1.11	1.72	1.07	−43	+10	− 2	+19	−47	+ 6	−47	+21	−29	+11	0	−0.97
75051	15 20 09.44	−62 11 09.7	8.32	H	230.039 334 26	−62.186 040 63		1.37	− 5.09	− 9.00	0.78	0.77	1.00	0.86	0.92	+17	−13	+ 5	+72	+39	−14	+42	+26	+14	+21	1	1.32
75052	15 20 09.90	−65 04 35.2	9.72	H	230.041 254 42	−65.076 441 24		3.89	− 54.82	−45.90	0.97	0.98	1.58	1.16	1.25	+39	−16	− 9	+58	+25	−26	+28	+46	−22	+54	1	0.23
75053	15 20 12.19	−30 50 12.4	8.65	H	230.050 784 17	−30.836 781 94		13.09	− 35.95	15.12	1.01	0.81	1.24	1.06	1.03	−18	−15	−40	+ 5	−23	+19	−13	+33	−18	−40	3	0.50
75054	15 20 13.05	−57 23 52.6	7.05	2 H	230.054 356 83	−57.397 950 64		1.85	− 45.36	−35.65	0.69	0.60	0.99	1.01	0.83	+ 7	+21	+ 1	−19	− 1	−50	− 4	+11	− 5	+23	0	−0.23
∗75055	15 20 13.55	+77 08 19.2	9.15	H	230.056 443 37	+77.138 662 01		14.81	−265.46	257.72	0.72	0.75	0.79	0.73	0.89	+ 6	−14	−19	−26	+ 0	+ 8	+ 3	−18	− 4	− 6	0	−0.56
∗75056	15 20 13.41	−34 55 31.3	7.78	G	230.055 873 78	−34.925 374 23		6.05	− 22.68	−25.63	0.80	0.53	0.93	0.95	0.76	−22	−10	−11	+31	+ 2	+21	+10	+12	+15	+ 3	0	0.63
∗75057 H	15 20 13.28	+30 41 44.3	9.16	H	230.055 316 77	+30.695 633 22	A	2.27	− 8.41	− 8.46	5.73	8.46	5.92	4.81	8.18	+31	+12	− 3	−79	−28	−24	−21	−74	+ 0	+33	16	0.65
75058	15 20 17.62	+27 44 58.9	8.45	G	230.073 413 66	+27.749 706 75		2.44	4.56	− 0.17	0.76	0.70	1.07	0.91	0.96	+ 5	−17	− 6	+20	− 8	−14	−15	+ 4	+ 9	−17	0	1.73
75059	15 20 18.18	+32 02 40.4	8.58	H	230.075 734 20	+32.044 542 91		20.89	−111.53	43.36	0.56	0.72	1.09	0.62	0.81	+26	− 5	+14	+24	+15	− 9	+18	+35	+ 1	+17	1	1.08
75060	15 20 19.61	+29 44 36.2	8.19	H	230.081 726 57	+29.743 388 69		6.35	− 69.73	8.24	0.66	0.75	1.21	0.70	0.98	+10	−21	− 6	−13	−13	+14	−15	+15	+15	+ 0	0	−0.20
75061	15 20 20.35	−00 27 28.0	8.96	H	230.084 787 67	−00.457 764 08		4.06	− 41.12	13.18	1.16	0.89	1.38	1.46	0.99	−26	−24	−20	+20	−24	+20	−12	− 4	− 7	−19	0	−0.21
75062 H	15 20 20.53	−19 58 32.1	11.18	G	230.085 524 41	−19.975 597 06	A	20.70	−179.80	121.59	5.60	4.18	5.85	5.25	4.98	−14	−21	−11	− 4	−12	+ 3	−10	+ 9	− 4	−20	10	1.76
75063	15 20 21.21	−75 33 50.5	7.19	H	230.088 391 55	−75.564 027 72		7.24	− 25.26	−10.18	0.50	0.55	0.68	0.55	0.61	+16	− 8	+ 9	−14	+ 5	− 6	+ 6	+19	+ 4	+15	2	−0.05
75064	15 20 22.04	−12 11 24.5	9.47	2 H	230.091 842 52	−12.190 138 35		0.36	− 31.58	−27.04	1.28	0.89	1.40	1.70	1.18	−31	−21	− 9	+21	−23	+24	−19	+27	− 9	− 7	0	0.19
75065 H	15 20 22.15	+53 08 52.4	9.52	H	230.092 298 55	+53.147 887 38	A	10.45	− 46.81	− 0.02	4.23	2.66	3.05	4.42	3.12	−14	−17	+ 0	+14	− 9	−15	−11	− 5	−11	−29	1	1.25
75066	15 20 23.37	+16 33 19.7	8.40	H	230.097 381 94	+16.555 470 60		12.67	− 81.48	45.93	0.88	0.62	0.99	0.95	0.88	− 5	−25	+ 8	−33	−31	+10	−38	+ 8	+15	−11	0	0.57
75067	15 20 23.46	+02 38 00.9	10.78	H	230.097 749 96	+02.633 577 16		2.46	− 62.14	−34.61	2.37	1.34	2.67	2.94	1.97	−25	−37	+11	+38	+ 3	−11	− 8	−19	+10	−38	2	0.96
75068	15 20 25.31	−74 00 32.6	8.77	H	230.105 453 69	−74.009 057 24		1.74	− 8.72	− 4.63	0.69	0.84	1.04	0.83	1.06	+11	− 5	+17	+ 5	+ 8	− 5	+ 7	+26	− 1	+20	0	−1.32
75069	15 20 26.05	+00 14 43.0	9.24	H	230.108 548 98	+00.245 282 34		22.43	131.58	−253.93	1.25	0.89	1.40	1.49	1.04	−25	−18	−19	+43	− 7	+14	− 9	− 9	+ 4	−35	0	1.66
75070	15 20 26.15	−39 15 43.6	9.01	H	230.108 940 65	−39.262 115 20		4.83	− 16.51	− 5.58	1.14	0.80	1.41	1.07	1.06	−12	−36	−18	+ 9	− 2	−17	− 5	+ 9	− 2	−16	0	1.03
75071	15 20 26.42	−62 06 15.5	8.85	H	230.110 077 53	−62.104 304 46		4.95	− 39.30	−14.81	0.92	0.96	1.33	1.03	1.14	+12	−15	+12	+64	+39	−18	+47	+33	+ 6	+24	0	0.77
75072 H	15 20 28.35	−42 26 13.9	8.85	H	230.118 104 51	−42.437 202 52	A	3.77	− 8.56	−19.33	1.98	1.61	2.11	2.18	1.90	− 7	−12	+17	+ 1	+ 6	− 1	+ 6	− 5	+19	+ 6	1	0.48
75073	15 20 28.62	−42 34 22.0	8.65	H	230.119 259 73	−42.572 773 25		2.06	− 13.93	− 4.51	0.87	0.71	1.12	1.05	0.93	−21	−31	+11	+15	+11	+ 8	+10	+11	+ 6	+ 1	0	−0.19
75074	15 20 30.33	+46 15 49.4	9.17	H	230.126 356 30	+46.263 730 62		2.67	6.61	−25.41	0.90	0.85	1.04	1.03	1.04	+19	+ 5	− 9	+ 3	− 8	+12	− 8	+ 4	− 2	+ 7	0	0.32
75075	15 20 31.20	−11 01 57.1	8.41	H	230.130 017 63	−11.032 520 33		5.18	− 11.43	8.27	1.03	0.68	1.22	1.30	0.90	−25	−11	−13	+26	− 7	+40	+ 3	+ 0	− 7	−19	0	0.87
75076	15 20 31.23	−08 04 41.7	9.86	G	230.130 110 76	−08.078 244 79		4.69	22.03	−10.48	1.61	1.15	1.76	2.10	1.39	−31	−32	+ 7	+26	− 5	−15	+11	− 8	−16	+ 8	0	0.42
75077	15 20 31.44	−28 17 13.3	7.18	H	230.130 982 42	−28.287 036 70		6.97	− 25.42	−28.61	0.88	0.63	1.06	0.96	0.76	+ 3	−27	−39	+15	−11	+22	− 2	+15	+ 1	−13	0	1.29
75078	15 20 32.07	+81 02 34.9	7.32	H	230.133 621 99	+81.043 040 23		6.35	− 6.50	60.93	0.48	0.53	0.56	0.50	0.63	+ 7	−16	−15	+ 0	−12	+19	− 8	+22	− 6	− 7	0	−0.40
75079	15 20 32.52	−59 32 37.5	7.33	H	230.135 504 35	−59.543 762 91		1.84	− 2.84	− 3.85	0.62	0.60	0.89	0.69	0.77	+11	−28	−26	− 1	+18	−18	+13	−12	+ 7	− 6	2	−0.94
75080	15 20 33.54	−39 49 56.9	9.05	H	230.139 758 73	−39.832 476 55		3.10	− 2.13	− 8.94	0.95	0.70	1.23	1.14	0.99	−28	−23	−10	+ 9	+ 8	−10	+ 7	+14	− 2	− 7	0	1.87
∗75081	15 20 33.72	−09 43 04.5	9.82	H	230.140 491 22	−09.717 922 49		0.72	− 2.04	−11.31	1.53	1.10	1.78	1.61	1.31	−43	−29	− 6	+20	− 6	+28	+ 3	+ 0	− 7	−39	0	1.34
∗75082	15 20 33.66	−64 27 43.0	8.63	H	230.140 235 89	−64.461 946 37		10.50	− 78.50	−58.44	0.59	0.67	1.16	0.68	0.84	+16	−25	+ 2	+32	+ 5	−27	+ 8	+28	−11	+25	0	0.01
75083	15 20 35.31	+40 29 35.4	9.31	H	230.147 141 16	+40.493 167 28		6.98	25.64	−51.89	0.75	0.81	1.03	0.97	0.96	+16	−10	−18	+21	+ 2	+11	+ 3	+12	− 6	+ 4	1	1.39
75084 H	15 20 36.49	−05 07 11.1	6.60	H	230.152 021 33	−05.119 743 65	A	6.59	33.46	0.56	1.78	1.40	1.53	1.41	1.13	−33	−38	− 3	+18	−16	+19	−11	+13	+ 6	−13	1	−0.14
75085	15 20 37.37	−14 44 27.8	7.38	H	230.155 709 07	−14.741 045 39		4.41	− 6.48	− 7.73	0.82	0.62	0.92	0.89	0.77	−41	−21	−13	+23	− 9	+12	− 5	+ 4	+ 6	−32	0	−0.59
75086 H	15 20 37.43	+46 55 32.6	8.08	H	230.155 953 41	+46.925 728 55	A	3.26	2.51	−15.12	1.02	1.01	1.08	1.28	1.15	+13	+ 1	− 5	+14	−16	+16	−13	+ 2	− 3	+11	0	−0.62
75087	15 20 37.93	−00 20 53.4	9.88	G	230.158 042 03	−00.348 169 39		3.58	− 44.69	−12.26	1.58	1.03	1.79	1.72	1.21	−15	−40	−23	+32	−20	+10	−17	+ 2	+ 0	−27	0	0.45
75088	15 20 38.10	+55 19 30.6	8.01	1 G	230.158 763 76	+55.325 167 33	A	11.27	2.09	28.50	1.01	1.03	1.07	0.94	1.03	−14	+ 2	−11	− 4	−13	+16	−14	− 2	−13	−40	3	1.06
75089	15 20 38.90	−03 31 10.5	9.13	H	230.162 087 15	−03.519 587 00		2.86	− 13.59	− 6.13	1.16	1.02	1.47	1.27	1.15	−20	−12	−34	− 2	−10	− 1	− 6	+ 3	−35	−20	0	1.39
75090 H	15 20 39.23	+15 22 50.7	8.80	H	230.163 468 65	+15.380 755 10	A	32.69	−460.14	−196.84	2.18	1.50	2.02	1.68	1.65	−28	−13	−19	−21	−37	+31	−32	+ 5	+29	−23	0	0.17
75091 H	15 20 40.56	−67 28 53.4	6.27	G	230.168 997 93	−67.481 501 32	A	2.60	− 6.32	−10.16	0.49	0.59	0.79	0.50	0.70	+23	− 7	+ 7	− 7	+10	−15	+12	+12	−17	+53	3	1.09
75092	15 20 41.44	−25 59 24.0	7.11	H	230.172 662 92	−25.990 013 87		12.24	− 32.55	−154.58	0.79	0.66	1.09	1.05	0.96	−14	−15	−48	+17	−10	+ 6	−11	+ 5	+28	−37	0	−0.68
75093	15 20 41.65	+44 26 04.7	6.14	H	230.173 526 78	+44.434 627 34		18.60	41.96	−103.55	0.47	0.48	0.61	0.55	0.56	+ 9	− 2	−10	− 7	− 9	+ 3	− 6	+ 7	−11	− 8	1	0.63
75094	15 20 41.66	−16 25 35.2	8.56	H	230.173 600 61	−16.426 455 80		2.87	− 10.50	13.68	1.16	0.98	1.72	1.32	1.22	+ 0	−39	−58	+22	+33	−30	+ 2	−36	+43	−42	0	−0.70
75095	15 20 42.82	−56 07 57.4	6.80	H	230.178 423 65	−56.132 600 45		2.41	− 9.18	− 8.99	0.64	0.64	0.89	0.81	0.81	− 1	−24	−31	+33	+22	−22	+ 8	+ 5	+28	−13	0	−0.38
75096	15 20 43.07	+08 54 49.7	7.17	H	230.179 443 20	+08.913 802 29		14.83	0.24	−34.37	0.84	0.53	0.92	1.01	0.72	+ 4	−26	− 2	+ 8	− 9	−10	− 4	−12	−21	+ 3	0	−1.59
75097	15 20 43.75	+71 50 02.3	3.00	H	230.182 288 40	+71.833 973 08		6.79	− 18.03	17.68	0.44	0.39	0.46	0.53	0.43	− 2	− 2	−19	+ 2	−15	+11	−11	+10

No.	Tycho Magnitudes					Colour Indices							Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag			Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3		44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
75001	11.963	0.135	11.429	0.145		0.501	0.178	T	0.57	0.19	L		11.3752	0.0051	0.049	111		11.28	11.47					1							G
75002	10.460	0.038	8.636	0.016		1.518	0.033	T	1.55	0.05	L		8.6153	0.0027	0.016	81		8.59	8.64					1							
75003	7.400	0.006	6.289	0.004		0.959	0.002	G	0.95	0.00	H		6.3456	0.0006	0.007	85		6.33	6.36					1							S
75004	8.805	0.014	8.345	0.014		0.450	0.015	G	0.52	0.02	H		8.4099	0.0023	0.017	78		8.38	8.45			15195−5146	I 1	1							
75005	9.939	0.017	8.520	0.009		1.198	0.015	T	1.16	0.01	L		8.5391	0.0019	0.022	184		8.50	8.58					1							S
75006	10.140	0.030	9.752	0.032		0.367	0.041	T	0.43	0.04	L		9.8262	0.0021	0.023	81		9.79	9.87		C			1							
75007	10.105	0.032	8.307	0.014		1.497	0.028	T	1.52	0.04	L		8.2443	0.0021	0.010	57		8.22	8.26		C			1							
75008	11.728	0.106	11.056	0.095		0.622	0.119	T	0.69	0.11	L		11.0481	0.0040	0.030	100		10.98	11.09					1							G
75009	10.241	0.033	9.708	0.034		0.500	0.043	T	0.57	0.04	L		9.7581	0.0025	0.027	78		9.72	9.80		D			1							
75010	10.047	0.022	9.349	0.020		0.644	0.024	T	0.71	0.02	L		9.4096	0.0025	0.026	145		9.37	9.46					1							
75011	10.077	0.021	9.119	0.014		0.830	0.020	T	0.85	0.01	L		9.1764	0.0022	0.027	199		9.13	9.23		U			1							
75012	7.798	0.015	7.399	0.014	*	0.427	0.015	G	0.49	0.02	H	*	7.3872	0.0014	0.008	53	*	7.38	7.40		D	15197−2416	I 1	2 C A	AB	264	0.650	0.005	0.27	0.01	S
75013	11.174	0.054	9.157	0.017		1.560	0.040	G	1.69	0.16	K		9.0569	0.0028	0.022	113		9.01	9.10					1 X							
75014	8.784	0.016	8.324	0.016		0.468	0.015	G	0.54	0.02	H		8.3804	0.0017	0.012	77		8.36	8.40					1							S
75015	9.233	0.014	8.646	0.012		0.549	0.014	T	0.62	0.01	L		8.6983	0.0012	0.017	134		8.67	8.74					1							
75016	9.747	0.032	9.213	0.031		0.496	0.020	G	0.57	0.02	H		9.2743	0.0023	0.016	52		9.25	9.30		C			1							
75017	11.240	0.064	11.086	0.096	B	0.148	0.108	T	0.16	0.11	L		11.4008	0.1332			B				D	15198−6711	I 2	1 C F B							
75018	7.694	0.024	6.815	0.016		0.574	0.020	G	0.68	0.01	A		6.8228	0.0210	0.230	239		6.48	7.04	3.39	P 1 A			1							S
75019	10.432	0.034	9.539	0.025		0.772	0.003	G	0.81	0.00	H		9.5973	0.0019	0.017	98		9.57	9.63					1 G							
75020	8.539	0.007	8.503	0.009	A	0.033	0.010	T	0.05	0.01	L		8.5245	0.0099	0.027	233	A	8.48	8.58		D	15198−6711	I 2	1 C P B							
75021	11.575	0.091	10.258	0.041		1.118	0.078	T	1.08	0.08	L		10.3460	0.0032	0.028	107		10.30	10.39		C			1							P
75022	9.540	0.018	8.401	0.012		0.979	0.017	T	0.96	0.01	L		8.4456	0.0013	0.013	117		8.42	8.48		C			1							
75023	8.994	0.019	8.476	0.019		0.534	0.015	G	0.61	0.02	H		8.5163	0.0018	0.009	54		8.50	8.54					1							S
75024	9.616	0.017	8.852	0.014		0.681	0.017	T	0.74	0.01	L		8.9341	0.0017	0.018	114		8.91	8.96		C			1							
75025	11.501	0.095	9.916	0.035		1.329	0.080	T	1.29	0.09	L		9.9674	0.0022	0.021	113		9.93	10.00		C			1							
75026	10.731	0.056	9.473	0.030		1.072	0.050	T	1.04	0.04	L		9.5396	0.0037	0.021	56		9.49	9.58		C			1							
75027	7.592	0.010	7.117	0.009		0.475	0.015	G	0.55	0.02	H		7.1692	0.0016	0.010	53		7.16	7.19		C			1							S
75028	9.837	0.028	9.298	0.026		0.528	0.020	G	0.60	0.02	H		9.3583	0.0020	0.013	66		9.34	9.40					1							
75029	8.270	0.009	7.762	0.009		0.503	0.015	G	0.58	0.02	H		7.8319	0.0013	0.013	135		7.81	7.85		C			1 G							S
75030	8.207	0.009	6.746	0.005		1.231	0.008	T	1.19	0.01	L		6.7840	0.0012	0.009	110		6.77	6.80					1							S
75031	8.364	0.009	8.032	0.009	A	0.000	0.495	G	0.37	0.04	L	*	8.0301	0.0008	0.008	120	*	8.02	8.05		D	15199+6701	I 1	2 C A	AB	224	1.666	0.009	2.78	0.05	S
75032	7.887	0.009	7.954	0.013		−0.035	0.024	G	−0.01	0.02	H		7.9482	0.0014	0.011	90		7.93	7.97		C			1							
75033	9.799	0.021	9.356	0.021		0.418	0.027	T	0.48	0.03	L		9.4310	0.0018	0.019	113		9.40	9.47		C			1							
75034	9.751	0.028	9.769	0.041		0.075	0.004	G	0.09	0.00	H		9.7093	0.0026	0.021	65		9.67	9.74		C			1							G
75035	9.897	0.034	9.250	0.030		0.593	0.034	T	0.66	0.03	L		9.2752	0.0047	0.040	49		9.21	9.33		U 2			1							
75036	9.897	0.030	9.427	0.031		0.456	0.034	T	0.53	0.04	L		9.5122	0.0027	0.019	73		9.48	9.56		C			1							
75037	8.193	0.010	7.775	0.009		0.395	0.012	T	0.46	0.01	L		7.8314	0.0013	0.011	105		7.81	7.85		C	15201+6022	I 2	1							S
75038	8.175	0.012	7.601	0.012		0.545	0.007	G	0.62	0.01	H		7.6469	0.0012	0.009	64		7.63	7.66		C			1							S
75039	7.498	0.006	6.954	0.005		0.510	0.007	T	0.58	0.01	L		7.0099	0.0008	0.008	155		7.00	7.03					1							S
75040	8.354	0.010	7.931	0.011		0.408	0.015	G	0.47	0.02	H		7.9699	0.0011	0.010	102		7.95	7.99					1							S
75041	10.531	0.049	9.944	0.046		0.615	0.020	G	0.68	0.02	H		10.0140	0.0047	0.019	49		9.95	10.05		C			1							
75042	7.972	0.007	7.641	0.009		0.314	0.011	T	0.36	0.01	L		7.6997	0.0013	0.011	105		7.68	7.73		C	15201+6022	I 2	1							S
75043	5.799	0.003	5.664	0.003		0.122	0.004	T	0.14	0.00	L		5.6924	0.0006	0.005	116		5.68	5.70		C			1							S
75044	11.531	0.134	10.838	0.125		0.625	0.126	G	0.69	0.11	R		10.7397	0.0056	0.045	58		10.61	10.79		C			1							G
75045	10.708	0.048	10.244	0.051		0.437	0.064	T	0.51	0.07	L		10.2568	0.0042	0.030	81		10.21	10.30		C			1							G
75046	9.608	0.020	7.664	0.009		1.648	0.018	T	2.06	0.06	O		7.5376	0.0028	0.028	91		7.49	7.58		U 2			1							S
75047	9.479	0.014	9.228	0.016		0.239	0.020	T	0.27	0.03	L		9.2566	0.0013	0.019	113		9.21	9.29					1							
75048	8.325	0.009	7.814	0.009		0.480	0.012	T	0.55	0.01	L		7.8702	0.0012	0.013	128		7.84	7.89		C			1							S
75049	6.811	0.003	5.626	0.002		1.015	0.003	T	0.99	0.00	L		5.6716	0.0007	0.008	190		5.66	5.70			15201+2937	I 1	1							S
75050	8.396	0.011	7.955	0.010		0.408	0.015	G	0.47	0.02	H		8.0348	0.0016	0.012	74		8.01	8.05		C			1							S
75051	8.402	0.008	8.334	0.010		0.068	0.012	T	0.08	0.01	L		8.3486	0.0015	0.016	147		8.32	8.37					1							
75052	10.339	0.023	9.817	0.023		0.499	0.024	T	0.57	0.03	L		9.8303	0.0020	0.030	217		9.76	9.89					1 S							G
75053	9.258	0.018	8.704	0.017		0.524	0.018	T	0.60	0.02	L		8.7677	0.0018	0.013	62		8.74	8.79		C			1							
75054	9.193	0.018	7.282	0.008		1.621	0.016	T	2.44	0.05	O		7.0798	0.0096	0.059	81		6.98	7.15		U 2			1 S							S
75055	9.967	0.024	9.229	0.020		0.661	0.024	T	0.72	0.02	L		9.2869	0.0022	0.018	119		9.25	9.32		C	15202+7708	I 1	1							
75056	8.011	0.009	7.797	0.011		0.175	0.015	G	0.19	0.02	H		7.8412	0.0012	0.009	95		7.82	7.86					1							S
75057	9.708	0.015	9.204	0.015	*	0.474	0.019	T	0.55	0.02	L	*	9.2695	0.0031	0.030	141	*	9.22	9.33		D	15202+3042	I 1	2 C B	AB	289	8.592	0.010	0.26	0.03	
75058	9.768	0.020	8.569	0.013		1.080	0.015	G	1.04	0.01	H		8.6131	0.0015	0.015	113		8.58	8.64					1 S							S
75059	9.385	0.012	8.657	0.010		0.668	0.013	T	0.73	0.01	L		8.7220	0.0015	0.020	195		8.69	8.76					1							S
75060	8.976	0.010	8.269	0.009		0.651	0.011	T	0.71	0.01	L		8.3261	0.0018	0.018	161		8.29	8.36					1							S
75061	9.572	0.024	9.043	0.023		0.496	0.030	T	0.57	0.03	L		9.0737	0.0027	0.019	65		9.04	9.11					1							
75062						1.300	0.042	G	1.49	0.07	I	*	11.2354	0.0080	0.041	54	*	11.06	11.31		D	15203−1958	I 1	2 C C	AB	24	9.738	0.051	1.86	0.28	G
75063	8.633	0.010	7.321	0.006		1.114	0.009	T	1.08	0.01	L		7.3612	0.0010	0.010	142		7.35	7.38			15204−7534	I 1	1							S
75064	10.774	0.054	9.536	0.028		1.057	0.047	T	1.02	0.04	L		9.6344	0.0046	0.043	84		9.57	9.72		U 2			1							
75065	10.465	0.033	9.740	0.029	*	0.665	0.035	T	0.73	0.03	L	*	9.6626	0.0023	0.025	111	*	9.62	9.71		R	15204+5309	I 1	2 C A	AB	288	0.689	0.004	0.21	0.02	
75066	8.992	0.013	8.450	0.012		0.508	0.016	T	0.58	0.02	L		8.5114	0.0016	0.016	120		8.48	8.54					1							S
75067						0.560	0.072	G	0.63	0.07	R		10.9016	0.0044	0.034	66		10.80	10.96					1							G
75068	10.427	0.027	8.903	0.013		1.281	0.024	T	1.24	0.03	L		8.9302	0.0022	0.021	138		8.89	8.97					1							
75069	10.286	0.039	9.324	0.027		0.800	0.015	G	0.84	0.01	H		9.3843	0.0035	0.021	60		9.36	9.42			15204+0014	I 1	1							
75070	10.380	0.033	9.153	0.020		1.048	0.030	T	1.02	0.03	L		9.1775	0.0021	0.021	85		9.13	9.22		C			1							
75071	10.299	0.026	9.000	0.014		1.104	0.023	T	1.07	0.02	L		9.0216	0.0019	0.019	130		8.99	9.06					1							
75072	8.993	0.022	8.640	0.024	*	0.343	0.029	T	0.40	0.04	L	*	8.9336	0.0024	0.015	85	*	8.91	8.96		D	15205−4226	I 1	2 C A	AB	248	2.379	0.009	0.92	0.03	
75073	9.830	0.023	8.739	0.016		0.943	0.021	T	0.93	0.01	L		8.8110	0.0022	0.014	84		8.79	8.84		C			1							
75074	10.497	0.031	9.289	0.018		1.033	0.028	T	1.01	0.02	L		9.3407	0.0020	0.021	119		9.28	9.38					1							
75075	8.796	0.016	8.438	0.016		0.339	0.021	T	0.40	0.03	L		8.4869	0.0017	0.012	66		8.47	8.51					1							S
75076	10.511	0.050	9.937	0.047		0.541	0.015	G	0.61	0.02	H		10.0018	0.0033	0.023	66		9.97	10.04					1							
75077	7.259	0.008	7.178	0.010		0.073	0.012	T	0.08	0.01	L		7.2088	0.0009	0.006	45		7.20	7.22		C			1							S
75078	8.627	0.009	7.428	0.006		1.026	0.008	T	1.00	0.01	L		7.4897	0.0009	0.011	130		7.47	7.51		C			1							S
75079	7.181	0.006	7.310	0.008		−0.112	0.009	T	−0.10	0.01	L		7.2954	0.0012	0.013	110		7.28	7.32		C			1							S
75080	11.149	0.061	9.226	0.019		1.596	0.051	T	1.62	0.05	L		9.1632	0.0015	0.019	107		9.12	9.20					1							
75081	10.990	0.083	9.971	0.054		0.888	0.074	T	0.89	0.05	L		9.9801	0.0042	0.024	53		9.94	10.01		C			1							
75082	9.348	0.013	8.695	0.011		0.597	0.013	T	0.67	0.01	L		8.7547	0.0015	0.019	199		8.72	8.79					1							
75083	9.849	0.020	9.335	0.020		0.483	0.026	T	0.55	0.03	L		9.4198	0.0018	0.021	133		9.39	9.45					1							
75084	7.880	0.010	6.717	0.006	*	0.998	0.009	T	0.98	0.01	L	*	6.7620	0.0009	0.006	61	*	6.75	6.77		D	15206−0507	H 1	2 C A	AB	238	0.457	0.028	3.31	0.09	S
75085	9.025	0.013	7.512	0.008		1.272	0.012	T	1.23	0.01	L		7.5400	0.0012	0.009	83		7.53	7.56		C			1							S
75086	9.441	0.016	8.194	0.010	A	1.077	0.197	G	1.01	0.02	L	*	8.2515	0.0021	0.018	115	*	8.22	8.28			15206+4656	H 1	2 C A	AB	191	1.032	0.033	3.50	0.17	S
75087	10.648	0.053	9.871	0.042		0.607	0.015	G	0.68	0.01	H		9.9993	0.0035	0.023	62		9.96	10.05					1							
75088	8.592	0.021	8.077	0.020	A	0.510	0.015	G	0.58	0.02	H		8.1183	0.0052	0.016	127	A	8.09	8.15		U	15206+5520	I 1	2 C B	AB	348	11.226	0.039	3.20	0.10	S
75089	10.533	0.046	9.261	0.026		1.083	0.041	T	1.05	0.03	L		9.2913	0.0025	0.019	62		9.26	9.33		C			1							
75090	10.038	0.022	8.944	0.014	*	0.948	0.002	G	1.00	0.00	I	*	8.9455	0.0015	0.015	116	*	8.93	8.98		D	15206+1523	I 1	2 C A	AB	284	0.472	0.011	1.74	0.05	
75091	6.184	0.003	6.307	0.004	A	−0.090	0.012	G	−0.10	0.01	L	*	6.2500	0.0010	0.012	251	*	6.23	6.27		D	15207−6729	I 1	2 C A	AB	107	1.089	0.003	1.83	0.02	S
75092	8.414	0.015	7.212	0.010		1.029	0.014	T	1.00	0.01	L		7.2777	0.0012	0.008	50		7.27	7.29		C			1							S
75093	6.574	0.003	6.184	0.004		0.369	0.005	T	0.43	0.01	L		6.2299	0.0007	0.007	121		6.22	6.24		C			1							S
75094	9.990	0.034	8.663	0.020		1.126	0.031	T	1.09	0.03	L		8.7291	0.0011	0.010	51		8.71	8.76		D			1							
75095	6.986	0.006	6.818	0.009		0.161	0.010	T	0.18	0.01	L		6.8577	0.0017	0.011	74		6.84	6.87					1							S
75096	7.705	0.008	7.226	0.007		0.451	0.010	T	0.52	0.01	L		7.2743	0.0011	0.011	85		7.26	7.29		C			1							S
75097	3.102	0.003	3.033	0.003		0.058	0.014	G	0.12	0.03	C		3.0449	0.0004	0.004	100		3.04	3.06					1							S
75098	9.766	0.021	8.596	0.014		1.004	0.020	T	0.98	0.02	L		8.6581	0.0017	0.014	96		8.64	8.68		C			1							S
75099	8.856	0.010	8.536	0.011		0.328	0.015	G	0.38	0.02	H		8.5813	0.0015	0.016	144		8.55	8.61		U			1							S
75100	8.433	0.012	7.876	0.013		0.507	0.009	G	0.58	0.01	H		7.9276	0.0011	0.013	108		7.91	7.95		C			1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	δ $\mu_{\alpha*}$	μ_δ π	μ_δ $\mu_{\alpha*}$		F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas			mas/yr											%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
75101	15 20 47.17	−02 24 46.5	6.34	G	230.196 555 00	−02.412 917 00		27.08	−262.44	−170.16	0.71	0.57	0.84	0.85	0.72	−19	−26	−23	+26	− 9	+ 7	− 2	+12	− 9	−13	0	2.37
75102	15 20 48.03	−44 13 43.8	8.41	H	230.200 114 41	−44.228 819 72		0.70	−8.59	0.35	0.86	0.83	1.18	0.93	0.89	−28	− 2	−33	−12	+24	−30	+16	−11	+10	−22	0	0.42
75103 H	15 20 48.24	+42 42 06.9	8.42	H	230.200 996 71	+42.701 928 79	A	5.69	3.58	37.58	1.23	1.45	1.49	1.39	1.52	+ 3	− 2	−25	− 1	− 6	+ 2	− 6	+ 0	+ 7	− 8	2	0.22
75104	15 20 50.20	+31 28 47.2	6.90	H	230.209 167 98	+31.479 770 03		22.71	−180.01	138.88	0.38	0.49	0.75	0.42	0.57	+22	− 2	−10	+ 0	+ 7	−14	+ 8	+17	− 5	+ 6	0	−0.70
75105 H	15 20 51.78	+10 56 31.2	9.65	2 H	230.215 766 74	+10.942 013 25	A	8.49	−50.40	−46.84	2.74	1.69	2.70	3.01	2.29	− 5	−31	+ 8	+50	+35	− 1	+17	−21	+32	−14	4	0.25
75106	15 20 51.98	+07 40 57.9	8.23	H	230.216 569 69	+07.682 746 38		6.31	−47.76	−13.34	0.95	0.56	1.05	1.06	0.79	+ 4	−29	−11	+19	−11	+ 9	−13	− 6	− 8	−12	0	0.72
75107 H	15 20 52.88	+45 39 53.8	6.67	H	230.220 353 70	+45.664 934 06	A	7.35	44.21	−25.63	0.58	0.62	0.66	0.58	0.64	+ 5	+ 6	− 3	+10	+ 0	+ 1	+ 1	+ 9	−10	+ 3	1	−1.60
75108	15 20 53.06	−56 17 37.6	8.44	H	230.221 064 43	−56.293 776 52		3.21	9.46	−2.34	0.90	0.87	1.17	1.25	1.14	+ 7	− 8	−22	+32	+26	−21	+22	+ 8	+19	+13	0	−0.56
75109	15 20 53.20	−44 37 15.9	9.51	H	230.221 657 61	−44.621 071 81		4.23	−29.45	−21.73	1.22	1.04	1.63	1.58	1.28	−24	+11	−34	+12	+24	− 9	+23	+11	+13	+ 9	0	0.06
75110	15 20 53.68	−18 09 30.6	6.16	G	230.223 674 34	−18.158 512 55		5.17	−6.96	−59.67	0.80	0.71	1.14	1.02	0.95	−14	−12	−54	+14	+11	+ 0	+ 7	−26	+39	−32	0	0.15
75111	15 20 55.69	−43 28 54.4	9.14	H	230.232 032 74	−43.481 779 12		1.51	9.78	−14.15	0.93	0.82	1.22	0.92	0.95	−25	−31	− 8	+13	+ 9	−20	+ 9	+10	+ 1	−26	0	0.82
75112	15 20 57.18	−15 22 25.4	7.40	H	230.238 247 03	−15.373 721 55		2.98	−15.42	−12.40	0.90	0.67	1.07	1.08	0.91	−38	−14	−22	+12	− 2	−10	− 6	− 9	+22	−31	0	0.44
75113	15 20 57.64	−74 43 16.2	8.19	H	230.240 185 30	−74.721 179 64		3.45	−4.60	−16.93	0.63	0.76	0.94	0.79	0.93	+11	− 8	+15	− 3	+ 7	− 2	+ 7	+31	+ 9	+11	3	−1.21
75114	15 20 58.00	−42 53 21.6	9.19	H	230.241 666 61	−42.889 334 36		6.80	27.65	−1.38	0.90	0.79	1.13	1.06	1.00	−14	−19	− 4	+15	+ 5	− 2	+ 6	+15	− 2	− 9	0	1.34
75115	15 20 58.85	+50 46 28.2	10.72	H	230.245 210 86	+50.774 490 85		1.52	−59.85	57.75	2.18	2.27	2.59	2.55	2.73	+ 4	− 9	+ 8	−10	+13	+ 6	+11	+ 8	+ 1	+18	1	
75116	15 20 59.42	−13 10 42.1	11.40	2 G	230.247 576 84	−13.178 361 15		15.92	−595.78	−248.45	2.59	1.64	2.85	4.51	2.55	−28	+ 9	− 4	− 6	−34	+ 3	−30	−10	−19	+35	2	−1.79
75117 H	15 20 59.66	+21 04 05.5	8.82	H	230.248 573 72	+21.068 189 37	A	6.79	−40.76	94.22	2.43	2.92	3.63	2.88	3.97	−28	−11	−12	+39	+13	−26	− 5	−28	+46	−53	3	0.28
75118	15 21 01.36	−15 32 54.2	6.14	H	230.255 668 34	−15.548 385 84		18.31	27.14	18.15	0.78	0.67	1.04	0.88	0.86	−31	−16	−43	+18	+17	−16	+ 6	−25	+38	−47	0	0.68
75119 H	15 21 02.02	+00 42 56.1	5.35	G	230.258 420 01	+00.715 589 81	A	13.38	−42.48	−104.14	0.80	0.62	0.86	0.96	0.78	−15	−14	−38	+39	−17	+14	−21	− 5	+13	−28	1	0.47
75120	15 21 03.41	−33 21 43.5	9.44	H	230.264 197 96	−33.362 074 49		−1.32	0.25	6.85	1.48	0.81	1.70	1.41	1.57	−43	−29	+ 8	+15	−27	−11	−29	+35	−23	−32	0	−0.54
75121	15 21 03.72	+53 55 42.5	7.64	1 H	230.265 485 68	+53.928 484 12		5.60	0.53	16.73	0.58	0.53	0.65	0.59	0.55	+ 4	−21	+ 0	+ 2	− 7	−10	− 6	+ 4	− 2	− 5	1	1.79
*75122	15 21 04.66	−47 45 37.1	6.77	G	230.269 430 98	−47.760 315 21		22.47	74.24	−14.40	0.63	0.61	0.89	0.76	0.83	−16	−19	−33	+17	+ 5	−14	+ 2	+17	+ 6	−33	0	2.28
*75123	15 21 04.64	+48 13 30.6	9.02	H	230.269 347 35	+48.225 153 57		0.43	−11.40	5.11	0.74	0.79	0.92	0.93	1.00	− 2	−10	+ 0	+ 7	+10	−12	+12	+ 3	−12	+18	0	−1.08
75124	15 21 04.85	+25 33 31.2	10.91	H	230.270 208 32	+25.558 661 02		22.17	−82.20	−109.56	1.69	1.38	2.20	1.79	1.74	−22	−30	− 7	+36	+ 2	−18	− 5	− 1	− 4	−46	0	1.61
75125	15 21 06.90	+24 57 29.0	6.36	H	230.278 736 41	+24.958 065 99		5.87	−26.56	−18.91	0.54	0.54	0.79	0.58	0.71	−18	− 4	−10	+56	+ 2	−12	− 6	+21	− 6	−47	0	0.00
75126	15 21 07.01	−00 13 52.8	8.23	H	230.279 215 15	−00.231 337 82		2.05	21.24	−12.12	1.04	0.75	1.20	1.21	0.91	−18	−34	−26	+33	−20	+ 4	−23	+ 3	+12	−30	0	0.44
75127	15 21 07.64	−05 49 29.4	5.54	H	230.281 836 04	−05.824 826 95		12.14	−51.92	−10.86	0.84	0.59	0.89	0.87	0.74	−24	−31	− 7	+42	−10	+19	− 2	+23	−17	−32	0	−1.09
75128	15 21 08.11	+10 03 55.0	9.14	H	230.283 785 98	+10.065 267 38		2.00	−0.41	−12.26	1.33	0.81	1.55	2.24	1.24	+ 1	−28	+ 7	+12	− 6	−15	− 8	−22	+ 7	− 6	0	0.24
75129	15 21 08.70	+13 08 59.3	9.75	H	230.286 251 91	+13.149 809 96		−1.65	−11.25	0.37	1.14	0.91	1.63	1.19	1.23	− 1	−22	− 9	−33	−10	+26	−14	−26	+ 4	−34	0	0.21
75130 H	15 21 09.23	−69 59 17.2	7.77	G	230.288 439 36	−69.988 121 05	A	2.05	8.52	12.09	0.85	1.11	1.22	0.93	1.35	+30	− 2	− 6	− 3	− 1	−16	− 4	+ 9	−14	+40	1	1.41
75131	15 21 09.38	−06 36 45.6	7.35	G	230.289 068 69	−06.612 671 17		5.14	26.86	15.59	1.06	0.79	1.12	1.35	1.21	−36	−13	−22	+44	− 7	+ 1	−12	+ 0	+13	−52	0	−0.69
75132	15 21 09.41	+25 34 02.8	8.99	H	230.289 194 03	+25.567 431 10		24.87	−94.97	−118.52	1.00	0.87	1.36	1.13	1.16	−17	−27	−12	+40	+12	−25	+ 1	+ 3	+ 3	−50	3	0.82
*75133 H	15 21 12.95	+05 22 58.4	8.51	G	230.303 955 10	+05.382 900 44	A	13.26	−187.70	26.59	3.67	2.46	2.28	3.00	1.83	− 1	−10	−21	+ 3	−10	− 1	− 7	−21	+ 2	−26	1	0.12
*75134	15 21 12.84	−54 17 30.1	7.37	G	230.303 496 68	−54.291 681 25		14.70	−87.36	−33.27	0.74	0.72	1.00	0.86	0.90	+ 7	−19	−39	+35	+12	− 9	+ 8	+22	+12	−17	0	0.97
75135	15 21 14.07	+21 54 28.8	8.92	H	230.308 629 27	+21.907 995 13		3.38	−51.74	−104.74	0.84	0.88	1.42	1.21	1.54	−30	− 7	+ 2	+22	+ 1	−18	−14	−16	+12	−61	0	0.87
75136	15 21 17.30	−10 44 04.0	9.74	H	230.322 066 46	−10.734 441 90		6.04	35.00	−37.81	1.69	1.26	2.02	2.17	1.57	−49	+ 3	−24	+29	−15	+33	+ 0	−13	+ 3	−30	0	0.20
75137	15 21 17.42	−18 13 04.4	8.54	H	230.322 602 28	−18.217 895 65		2.56	−2.06	0.65	1.16	0.94	1.58	1.48	1.31	−13	+ 3	−52	+19	+12	+10	+21	−29	+45	−11	0	−0.36
75138 H	15 21 19.44	−51 31 57.7	9.57	H	230.330 995 23	−51.532 697 74	A	10.38	−83.98	−34.43	2.29	1.94	2.81	2.42	2.35	− 8	−19	−19	− 1	+16	−26	+12	+28	−35	+17	1	0.81
75139	15 21 19.62	+23 10 51.3	8.49	H	230.331 758 32	+23.180 905 75		10.48	21.06	10.07	0.76	0.75	1.12	0.97	1.12	−32	−19	− 1	+27	−20	−17	−26	+ 9	− 4	−54	2	1.66
75140	15 21 19.72	+13 31 01.0	7.99	H	230.332 163 26	+13.516 947 24		9.48	−38.20	−9.76	0.73	0.68	1.03	0.81	0.96	−29	−25	− 8	−17	−12	+17	−16	− 4	+10	−53	2	0.91
75141	15 21 22.34	−40 38 50.9	3.22	1 H	230.343 068 33	−40.647 459 46		6.39	−19.11	−24.05	0.79	0.61	0.86	0.88	0.72	−18	−37	− 4	−22	+ 3	+18	+12	− 5	−19	−20	0	2.26
75142	15 21 22.59	−31 39 49.4	10.99	H	230.344 122 00	−31.663 731 50		−2.09	−43.05	−37.41	2.63	1.53	3.07	2.73	2.61	−37	+ 8	−19	+ 2	− 8	+ 6	−13	+23	−33	−22	0	−0.37
75143	15 21 23.96	+31 22 02.7	8.12	3 T	230.349 838 64	+31.367 412 79	*	1.90	−8.33	−11.55	0.58	0.86	1.36	0.62	0.93	+25	+ 1	+28	−27	− 3	−18	+ 7	−12	−13	+ 3	2	2.31
75144	15 21 23.99	−20 23 18.3	9.20	3 H	230.349 953 47	−20.388 407 85		−0.34	−5.82	−14.74	1.47	0.97	1.52	1.69	1.30	+ 1	−31	−16	+19	− 4	+ 7	− 1	+19	− 8	+ 0	0	−1.37
75145	15 21 25.07	−35 11 10.1	9.29	G	230.354 446 01	−35.186 144 82		4.96	−59.52	−25.41	1.07	0.76	1.27	1.09	1.00	− 4	−28	−30	+21	+ 3	+ 3	+ 3	+10	+13	−19	0	1.11
75146	15 21 25.73	−37 55 50.3	9.97	H	230.357 189 52	−37.930 632 91		4.29	−1.13	−44.82	1.61	1.08	1.87	2.37	1.79	−17	−10	− 7	+ 2	−10	−19	−16	+19	−25	+18	3	−0.51
75147	15 21 26.95	+52 20 40.0	7.67	G	230.362 277 76	+52.344 441 28		6.38	−33.54	5.92	0.56	0.55	0.64	0.66	0.69	+13	−17	− 1	+11	− 1	+ 2	− 1	+ 2	− 1	+11	0	−0.26
75148	15 21 29.44	+46 21 24.0	8.23	H	230.372 655 36	+46.356 658 49		3.32	9.21	−18.18	0.69	0.74	0.86	0.86	0.83	+15	+ 2	−16	−11	−14	+19	− 8	+ 8	− 5	− 1	0	−0.02
75149	15 21 29.81	−60 53 23.2	8.44	H	230.374 222 53	−60.889 776 42		2.50	−4.43	−2.29	0.87	0.82	1.23	1.14	1.22	+13	−12	−11	+13	+23	+12	+18	+15	+38	+26	0	2.13
75150	15 21 29.87	+53 03 50.3	8.39	H	230.374 451 19	+53.063 968 88		3.59	0.61	9.34	0.72	0.66	0.80	0.77	0.74	+14	−20	− 1	+ 1	− 6	− 4	− 9	+ 0	+17	+ 9	0	0.35
75151 H	15 21 30.11	−38 13 07.1	6.57	G	230.375 440 28	−38.218 639 28	A	8.10	−18.40	−21.82	1.12	0.78	1.12	1.14	1.05	−24	+ 3	− 8	−17	− 8	−15	−26	+17	−37	+25	0	0.38
75152	15 21 30.52	+73 28 35.1	7.38	H	230.377 176 29	+73.476 404 41		16.81	−119.67	96.73	0.59	0.48	0.58	0.58	0.57	+ 4	−28	− 6	+ 7	+11	+ 9	+17	+ 2	−19	− 6	0	0.80
75153	15 21 30.70	−00 52 20.7	7.83	H	230.377 933 32	−00.872 418 08		1.73	−20.19	1.27	0.86	0.69	0.98	1.11	0.90	−31	−22	−14	+30	−27	+16	−21	+28	− 9	−16	0	−0.41
75154	15 21 31.72	−12 05 28.3	8.69	H	230.382 168 47	−12.091 184 14		11.23	102.34	−72.27	1.15	0.78	1.29	1.41	1.02	−33	−28	+ 0	+ 7	−11	+13	− 6	+ 7	−12	−10	0	0.32
75155	15 21 32.41	−38 19 54.6	11.96	G	230.385 053 36	−38.331 830 04		3.85	−2.04	−22.66	3.01	2.25	3.52	3.59	3.41	−23	− 6	−13	+ 0	−14	−11	−20	+27	−24	− 8	0	1.43
*75156	15 21 32.56	−05 14 34.2	9.69	H	230.385 670 19	−05.242 840 24		3.58	8.35	−10.34	1.48	1.09	1.67	1.84	1.39	−23	−29	−13	+ 4	−20	+13	−14	+ 8	−14	−10	0	−1.07
*75157	15 21 32.56	+40 09 51.0	8.38	H	230.385 660 75	+40.164 155 81		4.34	26.25	11.21	0.65	0.65	0.89	0.76	0.78	+ 7	+ 0	+ 4	− 4	+ 1	+12	+ 1	+ 0	− 6	− 8	0	−0.97
75158	15 21 32.84	−06 49 35.5	7.45	G	230.386 834 13	−06.826 533 33		15.95	−164.71	−30.33	1.12	0.75	1.27	1.34	1.08	−20	−16	−32	+33	+ 3	− 1	− 2	−17	+11	−37	0	−0.14
*75159	15 21 33.98	−22 20 36.2	9.09	G	230.391 580 37	−22.343 377 46		6.43	2.79	−2.22	1.51	0.95	1.74	2.88	1.40	+15	−14	−35	−29	−32	+33	−23	−17	−11	+59	0	1.17
*75160	15 21 33.94	+06 34 16.2	10.84	H	230.391 396 21	+06.571 175 08		3.97	−18.97	−0.41	1.91	1.16	2.18	2.88	1.66	+ 5	− 7	+ 4	+14	−10	−10	−12	−19	+ 8	− 4	0	0.75
75161	15 21 34.30	−44 56 17.4	6.68	H	230.392 917 79	−44.938 172 22		4.78	−21.32	−11.25	0.64	0.59	0.83	0.70	0.66	−29	− 5	−33	+ 0	+21	−19	+16	+ 8	+ 3	−21	2	0.89
75162	15 21 34.44	−27 55 23.5	8.17	G	230.393 510 76	−27.923 204 37		7.96	−40.33	−3.38	1.28	0.83	1.55	1.31	1.11	+23	−51	−50	+31	+ 5	−15	−18	+ 3	+29	−25	0	−0.58
75163	15 21 34.56	+24 20 36.2	7.25	H	230.393 979 91	+24.343 391 18		7.55	−35.96	−9.42	0.52	0.53	0.81	0.55	0.75	−27	−11	− 6	+40	− 8	− 4	−14	+10	−19	−54	0	0.35
75164	15 21 35.31	−40 44 57.9	6.21	H	230.397 143 78	−40.749 416 53		10.23	−16.20	−26.88	0.62	0.52	0.78	0.76	0.63	−31	−20	+ 1	+10	+ 8	− 9	+ 6	+19	− 3	− 7	0	2.71
75165	15 21 36.94	−50 01 48.0	8.55	H	230.403 928 20	−50.029 990 03		6.13	−42.63	−32.26	0.85	0.88	1.21	0.85	0.96	− 5	−36	−32	+11	− 5	− 3	− 2	+36	−11	−15	2	0.18
75166	15 21 37.81	+08 26 59.7	8.72	1 H	230.407 531 39	+08.449 923 68		17.13	−86.91	−29.76	1.12	0.64	1.20	1.23	0.88	+ 8	−36	−16	− 2	−11	+12	− 9	−17	−12	−12	0	−1.24
75167	15 21 38.19	+21 53 10.4	8.91	H	230.409 116 18	+21.886 234 09		7.51	−5.58	4.55	0.85	0.94	1.46	1.30	1.67	−34	− 2	−17	+31	+ 3	−30	−15	−16	+32	−62	0	−0.33
75168	15 21 38.93	+04 47 53.3	9.99	H	230.412 216 89	+04.798 135 72		6.36	32.22	−35.35	1.45	0.88	1.62	1.75	1.38	−11	−20	+ 4	+28	− 7	+ 3	−15	− 7	−17	−37	0	1.01
75169	15 21 39.37	−46 48 53.8	9.08	H	230.414 038 13	−46.814 951 73		3.89	−20.86	−25.43	0.93	0.89	1.28	1.06	1.11	−25	− 9	−30	+ 1	+12	−20	+ 9	+ 8	+ 2	−33	0	0.24
75170	15 21 39.53	+14 18 53.1	9.89	3 H	230.414 724 94	+14.314 740 72		3.70	0.28	2.25	1.29	1.15	1.62	1.41	1.52	−20	− 8	−10	−39	−41	+23	−30	+24	− 9	−52	0	1.05
75171	15 21 40.02	−08 39 23.6	8.52	H	230.416 764 09	−08.656 568 42		4.37	1.01	3.49	1.19	0.82	1.33	1.36	0.96	−27	−33	+ 0	+20	+ 0	+16	+ 7	+ 5	− 7	− 8	0	1.55
75172	15 21 40.35	−27 38 15.9	8.40	H	230.418 143 49	−27.637 760 88		7.55	−28.29	−95.26	1.34	0.85	1.48	1.93	1.32	+17	−24	−42	+20	− 6	+ 7	−10	+ 5	+30	+16	0	−1.90
75173	15 21 40.45	−53 32 27.6	8.25	G	230.418 541 86	−53.540 999 10		4.41	−65.49	−37.22	0.89	0.72	1.06	1.10	0.96	+ 9	−15	−19	+36	+ 9	− 3	+ 7	+27	+14	− 2	0	0.03
75174	15 21 43.72	+18 26 21.6	7.75	G	230.432 182 38	+18.439 333 32		4.65	−35.88	14.60	0.81	0.61	1.01	0.86	0.82	−13	−43	+ 0	−18	−12	+13	−19	−16	+12	−24	0	−0.05
75175	15 21 44.91	+47 38 03.7	8.33	1 H	230.437 108 08	+47.634 357 64		0.16	−4.67	−16.64	0.74	0.68	0.84	0.92	0.89	+ 6	+ 1	− 4	−11	− 4	− 7	− 5	− 7	−12	+ 7	0	−0.60
75176	15 21 46.70	−15 09 39.5	10.54	H	230.444 602 89	−15.160 980 59		−3.95	−23.27	0.34	6.67	4.93	7.80	6.92	6.19	−22	−25	−17	− 9	− 3	−13	− 5	− 6	−11	−23	0	
75177	15 21 48.44	−36 15 40.2	3.57	1 H	230.451 818 56	−36.261 167 29		9.99	−91.85	−86.03	0.64	0.48	0.79	0.71	0.66	−23	−23	−22	+11	− 8	+ 3	−10	+21	+11	−26	0	1.09
75178	15 21 48.61	+32 56 01.2	5.38	H	230.452 537 99	+32.933 660 86		13.20	−48.83	13.91	0.35	0.43	0.59	0.39	0.49	+10	+ 5	− 4	− 6	+ 7	−10	+11	+21	− 5	− 9	1	−0.08
*75179	15 21 49.00	−15 09 39.5	8.11	G	230.454 178 79	−15.160 971 03		2.07	−28.44	−14.35	1.07	0.78	1.26	1.18	0.96	−21	−23	−27	+13	− 8	+ 0	− 7	+ 4	+ 0	−21	0	0.89
*75180	15 21 48.93	−07 10 55.3	9.73	H	230.453 866 36	−07.182 029 60		2.59	13.50	−12.26	1.76	1.20	2.22	2.70	1.92	−16	−31	−33	+ 1	−12	−12	−23	− 2	+21	−16	0	0.26
75181	15 21 49.57	−48 19 01.1	5.65	G	230.456 555 96	−48.316 959 13		68.70	−1622.71	−275.10	0.59	0.57	0.79	0.60	0.67	−18	−34	−29	+ 9	+15	− 9	+11	+ 7	+12	−39	2	1.45
75182	15 21 50.42	+65 11 15.6	10.14	G	230.460 063 95	+65.187 661 76		6.59	−69.80	−119.43	1.61	1.89	1.88	1.61	2.11	+ 8	−17	− 5	−17	− 5	− 9	− 3	+ 6	− 9	+ 6	1	
75183	15 21 51.21	−71 08 47.0	9.28	1 H	230.463 371 25	−71.146 389 21		5.18	−54.87	−77.40	0.79	0.99	1.34	0.84	1.34	+18	−25	− 1	− 1	− 3	−28	− 2	+24	−22	+29	0	0.56
75184	15 21 51.22	−45 44 19.8	8.22	H	230.463 426 51	−45.738 826 91		7.64	−48.12	−57.79	0.93	1.01	1.41	1.12	1.27	−35	− 7	−51	+ 0	+ 5	−27	− 3	+31	−10	−53	0	0.26
75185	15 21 52.71	−09 20 18.3	9.24	H	230.469 638 79	−09.338 405 46		17.69	42.31	17.27	1.64	0.99	1.93	1.59	1.16	−24	−49	− 7	+11	− 5	+28	+ 4	+11	− 7	−20	3	−0.07
75186 H	15 21 52.85	−34 44 30.6	9.24	H	230.470 202 86	−34.741 835 47	*	0.06	−4.94	−8.45	1.24	0.86	1.50	1.49	1.30	−30	−14	+ 5	+25	− 5	+26	− 5	+25	+ 8	−12	2	−0.29
75187	15 21 52.88	+20 58 38.8	10.66	2 H	230.470 339 32	+20.977 441 91		87.79	78.47	129.36	1.09	1.21	1.93	1.62	2.19	−35	− 5	−12	+32	+16	−13	− 6	−33	+25	−65	3	2.10
75188	15 21 53.46	+42 36 09.5	8.90	H	230.472 761 36	+42.602 632 51		1.65	−12.93	17.51	0.74	0.76	0.94	0.89	0.91	+12	+ 3	−12	− 7	− 3	+ 7	− 2	− 7	− 3	− 1	0	0.25
75189 H	15 21 54.91	+16 30 08.0	8.12	G	230.478 776 19	+16.502 217 21	A	12.28	16.82	13.71	1.39	1.07	1.45	1.48	1.30	−21	−16	+ 1	−38	−31	+ 3	−44	− 8	+16	− 8	2	−0.65
75190	15 21 55.07	+28 06 56.7	11.46	H	230.479 449 14	+28.115 739 58		17.21	−78.30	−423.09	7.07	6.86	10.64	7.64	8.36	+17	−27	− 5	+16	− 8	−17	−11	+ 8	+ 2	+ 6	0	
75191	15 21 56.02	+19 10 45.8	8.90	H	230.483 421 49	+19.179 375 19		8.13	−179.61	−18.61	1.07	0.82	1.25	1.38	1.16	− 6	−30	−10	−26	+ 8	+ 5	+ 0	−33	+22	−27	2	−1.03
75192	15 21 56.30	+21 28 50.5	8.31	H	230.484 574 86	+21.480 693 67		0.64	12.69	−24.85	0.75	0.78	1.30	1.07	1.33	−18	−16	−11	+43	+12	−30	−10	−12	+32	−56	0	1.88
75193	15 21 56.78	+18 35 53.2	11.94	2 H	230.486 572 78	+18.598 099 32		27.95	32.64	−214.43	4.22	3.17	4.90	5.36	4.55	−11	−16	−12	−44	+ 2	− 7	− 3	−40	+16	−32	0	
75194	15 21 57.50	+10 30 15.0	8.30	G	230.489 589 12	+10.504 177 37		4.03	−7.70	−2.74	1.38	0.74	1.51	2.12	1.07	+ 4	−48	− 5	−26	+ 3	+ 3	− 8	−44	+20	− 1	0	−1.20
75195	15 21 58.11	+44 15 26.8	8.86	H	230.492 138 12	+44.257 448 74		2.85	−19.06	−16.52	0.77	0.75	0.98	0.87	0.84	+12	+18	−10	−17	−20	+ 7	−20	− 4	−13	+ 6	3	−0.76
*75196	15 22 00.13	+05 35 47.7	7.36	G	230.500 562 02	+05.596 580 19		6.55	−22.66	1.45	0.81	0.48	0.93	1.23	0.75	+ 8	−19	− 6	+ 3	− 9	−21	−14	−12	+ 9	−12	4	0.92
*75197	15 22 00.12	−57 08 43.0	7.15	H	230.500 498 36	−57.145 267 90		0.96	−3.97	−4.86	0.66	0.64	1.03	1.05	0.89	− 2	+13	−16	−22	+ 2	−54	−11	+ 1	+10	+13	0	1.19
75198	15 22 00.42	+42 05 43.8

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
75101	7.720	0.010	6.455	0.006		1.062	0.002	G	1.02	0.07	F	6.5068	0.0008	0.006	59		6.50	6.51				1							S
75102	10.561	0.040	8.582	0.015		1.641	0.034	T	1.66	0.04	L	8.5226	0.0016	0.015	82		8.50	8.55		C		1							
75103	9.464	0.014	8.556	0.011	*	0.806	0.013	T	0.83	0.01	L *	8.5716	0.0016	0.015	135	*	8.54	8.60		D	15208+4242	I 1	2 C	A	AB	172	0.716	0.004	1.19	0.02	S
75104	7.489	0.004	6.959	0.004		0.532	0.003	G	0.59	0.04	D	7.0102	0.0009	0.010	221		6.99	7.03				1									S
75105	10.347	0.038	9.783	0.036	A	0.625	0.126	G	0.69	0.11	R *	9.7867	0.0034	0.027	67	*	9.68	9.82		U	15209+1057	H 1	2 C	C	AB	202	4.728	0.089	3.73	0.46	
75106	9.446	0.018	8.346	0.012		0.949	0.017	T	0.94	0.01	L	8.3980	0.0017	0.013	98		8.38	8.43		C		1							S
75107	8.022	0.008	6.797	0.004	*	1.047	0.007	T	1.02	0.01	L *	6.8391	0.0007	0.009	134	*	6.82	6.86		D	15209+4540	H 1	2 C	A	AB	273	0.668	0.007	3.00	0.04	S
75108	10.117	0.031	8.605	0.016		1.260	0.015	G	1.22	0.02	H	8.6055	0.0024	0.014	72		8.56	8.63		C		1							
75109	10.003	0.039	9.544	0.039		0.446	0.043	T	0.52	0.05	L	9.6125	0.0032	0.023	81		9.57	9.65		C		1							G
75110	7.457	0.008	6.277	0.007		1.024	0.002	G	1.09	0.06	F	6.3189	0.0009	0.005	56		6.31	6.33		C		1							S
75111	9.958	0.026	9.208	0.022		0.685	0.027	T	0.74	0.02	L	9.2763	0.0023	0.020	86		9.25	9.31		C		1							
75112	9.025	0.018	7.547	0.010		1.245	0.016	T	1.20	0.02	L	7.5653	0.0017	0.010	60		7.55	7.58		C		1							S
75113	9.835	0.020	8.328	0.011		1.267	0.018	T	1.23	0.02	L	8.3537	0.0015	0.015	135		8.33	8.39				1							
75114	9.781	0.023	9.228	0.022		0.524	0.024	T	0.60	0.03	L	9.3007	0.0023	0.021	88		9.27	9.34		C		1							
75115	11.579	0.085	10.897	0.071		0.583	0.072	G	0.65	0.07	R	10.8482	0.0047	0.045	112		10.75	10.95				1 X	S						G
75116						1.202	0.009	G	1.34	0.02	I	11.5151	0.0070	0.041	77		11.39	11.61		U		1							G
75117	9.508	0.015	8.934	0.014	*	0.537	0.019	T	0.61	0.02	L *	8.9345	0.0020	0.019	143	*	8.90	8.97		D	15210+2104	I 1	2 C	A	AB	128	0.647	0.003	0.28	0.02	S
75118	6.587	0.006	6.190	0.006		0.393	0.005	G	0.46	0.01	H	6.2288	0.0011	0.006	50		6.22	6.25		C	15210−1533	I 1	1							S
75119	6.861	0.008	5.460	0.006	*	1.191	0.002	G	1.18	0.06	F *	5.5133	0.0008	0.005	63	*	5.51	5.52		D	15210+0043	I 1	2 C	A	AB	21	3.259	0.018	3.88	0.10	S
75120	12.142	0.172	9.728	0.029		1.989	0.140	T	2.03	0.14	L	9.5265	0.0031	0.029	111		9.47	9.58				1	S							
75121	7.911	0.008	7.662	0.009		0.237	0.011	T	0.26	0.01	L	7.7094	0.0022	0.021	114		7.68	7.74		U		1							S
75122	7.270	0.007	6.808	0.008		0.440	0.015	G	0.51	0.02	H	6.8679	0.0011	0.010	82		6.85	6.88		C		1							S
75123	10.809	0.038	9.153	0.016		1.385	0.033	T	1.36	0.04	L	9.1633	0.0020	0.021	115		9.13	9.20				1							
75124	12.322	0.195	10.790	0.077		1.313	0.009	G	1.51	0.01	I	11.0149	0.0044	0.043	121		10.94	11.08		C		1							G
75125	7.990	0.007	6.496	0.003		1.257	0.006	T	1.22	0.01	L	6.5254	0.0009	0.007	145		6.51	6.54				1							S
75126	9.586	0.023	8.328	0.014		1.072	0.021	T	1.04	0.02	L	8.3949	0.0015	0.014	63		8.37	8.42		C		1							S
75127	6.885	0.006	5.654	0.004		1.047	0.006	G	0.99	0.02	A	5.7036	0.0007	0.005	61		5.69	5.71		C	15211−0550	I 1	1							S
75128	10.736	0.051	9.228	0.024		0.680	0.040	G	0.74	0.03	R	9.2746	0.0022	0.020	66		9.24	9.31		C		1							
75129	11.278	0.067	9.876	0.032		1.185	0.058	T	1.15	0.05	L	9.9133	0.0031	0.022	93		9.87	9.95		C		1							
75130	9.719	0.017	8.001	0.008	A	1.410	0.015	G	1.39	0.02	H *	7.9720	0.0015	0.016	163	*	7.94	8.00			15212−6959	H 1	2 C	D	AB	220	1.344	0.055	3.81	0.19	D
75131	8.833	0.020	7.479	0.012		1.160	0.015	G	1.12	0.01	H	7.5067	0.0016	0.011	47		7.49	7.53				1							S
75132	10.170	0.027	9.102	0.018		0.950	0.015	G	1.00	0.01	I	9.1363	0.0022	0.023	122		9.09	9.17		C		1	S						
75133	9.544	0.019	8.599	0.014	*	0.802	0.002	G	0.83	0.00	H *	8.6663	0.0019	0.018	105	*	8.64	8.70		D	15212+0523	H 1	2 C	B	AB	259	0.347	0.036	2.61	0.21	S
75134	7.941	0.011	7.420	0.008		0.491	0.001	G	0.56	0.00	H	7.4694	0.0014	0.008	77		7.45	7.49		C		1							S
75135	10.040	0.026	9.015	0.018		0.882	0.025	T	0.93	0.03	L	9.0598	0.0020	0.018	110		9.03	9.10				1							
75136	10.372	0.049	9.787	0.045		0.546	0.059	T	0.62	0.06	L	9.8583	0.0036	0.019	54		9.82	9.89		C		1							
75137	9.855	0.029	8.646	0.018		1.034	0.027	T	1.01	0.02	L	8.7078	0.0025	0.015	53		8.69	8.74		C		1							
75138	10.507	0.040	9.749	0.033	A	0.642	0.126	G	0.65	0.06	L *	9.6951	0.0035	0.022	82	*	9.65	9.74		D	15213−5132	I 1	2 C	A	AB	307	6.093	0.015	1.76	0.08	G
75139	9.008	0.014	8.543	0.013		0.438	0.017	T	0.51	0.02	L	8.5887	0.0015	0.020	112		8.56	8.63		C		1							S
75140	8.828	0.010	8.071	0.009		0.690	0.015	G	0.75	0.01	H	8.1303	0.0018	0.018	129		8.10	8.17				1							S
75141	2.953	0.003	3.182	0.003		−0.227	0.012	G	−0.23	0.02	A	3.1417	0.0011	0.010	90		3.13	3.16		M		1 G							S P
75142	11.853	0.173	11.015	0.136		0.753	0.167	T	0.80	0.12	L	11.1400	0.0060	0.050	79		11.03	11.24				1							G
75143	9.352	0.015	8.229	0.010		0.967	0.014	T	0.95	0.01	L	8.2281	0.2543	1.691	212		6.41	10.76	357.80	P 1 B		1 V							G P
75144	11.402	0.097	9.443	0.031		1.660	0.084	T	2.53	0.20	O	9.2194	0.0443	0.292	58		8.89	9.89	194.12	P 1 B		1							G P
75145	10.217	0.031	9.398	0.024		0.790	0.015	G	0.82	0.01	H	9.4254	0.0022	0.018	88		9.39	9.47				1							
75146	10.842	0.053	10.025	0.041		0.721	0.051	T	0.77	0.04	L	10.1042	0.0025	0.022	74		10.04	10.14		C		1							G
75147	8.110	0.008	7.701	0.008		0.380	0.015	G	0.44	0.02	H	7.7514	0.0013	0.011	125		7.73	7.77		C		1							S
75148	9.407	0.015	8.336	0.010		0.927	0.014	T	0.92	0.01	L	8.3930	0.0017	0.019	120		8.36	8.43				1							S
75149	10.401	0.043	8.589	0.017		1.508	0.037	T	1.54	0.06	L	8.5642	0.0025	0.018	97		8.53	8.59		C		1							
75150	9.674	0.019	8.495	0.012		1.011	0.018	T	0.99	0.01	L	8.5591	0.0018	0.018	116		8.53	8.59				1							
75151	6.464	0.005	6.532	0.007	A	−0.081	0.005	G	−0.06	0.01	H *	6.4571	0.0011	0.009	83	*	6.44	6.47		D	15215−3813	I 1	2 C	A	AB	121	5.721	0.016	2.77	0.04	S
75152	7.876	0.008	7.429	0.007		0.422	0.010	T	0.49	0.01	L	7.4778	0.0011	0.010	116		7.46	7.50		C		1 G							S
75153	9.620	0.026	7.987	0.013		1.367	0.023	T	1.34	0.03	L	7.9786	0.0021	0.013	66		7.96	8.00		C		1							S
75154	9.461	0.020	8.775	0.017		0.634	0.022	T	0.70	0.02	L	8.8220	0.0028	0.017	80		8.80	8.85		C		1							S
75155						0.980	0.020	G	1.03	0.02	I	12.1513	0.0124	0.073	77		12.04	12.25				1							D
75156	10.983	0.080	9.863	0.049		0.965	0.073	T	0.95	0.06	L	9.8468	0.0035	0.024	62		9.80	9.87		C		1							
75157	9.744	0.017	8.518	0.011		1.047	0.016	T	1.02	0.01	L	8.5440	0.0019	0.018	133		8.51	8.58		C		1							
75158	8.011	0.011	7.470	0.012		0.475	0.004	G	0.55	0.00	H	7.5598	0.0009	0.009	49		7.54	7.57		C		1							S
75159	9.681	0.032	9.137	0.030		0.539	0.020	G	0.61	0.02	H	9.2248	0.0021	0.015	45		9.19	9.24				1							
75160	11.674	0.091	10.758	0.068		0.812	0.084	T	0.84	0.06	L	10.9881	0.0045	0.036	85		10.92	11.05		C		1							G
75161	6.685	0.005	6.676	0.007		0.009	0.008	T	0.03	0.01	L	6.6962	0.0011	0.009	81		6.68	6.71				1							S
75162	8.800	0.017	8.233	0.016		0.520	0.015	G	0.59	0.02	H	8.2798	0.0020	0.011	45		8.26	8.30		C		1							S
75163	7.291	0.005	7.249	0.006		0.043	0.007	T	0.06	0.01	L	7.2722	0.0010	0.010	130		7.26	7.29				1							S
75164	6.296	0.004	6.206	0.004		0.068	0.004	G	0.06	0.00	L	6.2315	0.0007	0.006	102		6.22	6.24		C		1							S
75165	9.828	0.024	8.663	0.016		1.000	0.022	T	0.98	0.02	L	8.7121	0.0018	0.014	86		8.69	8.74		C		1							
75166	9.440	0.022	8.815	0.021		0.581	0.026	T	0.65	0.02	L	8.8465	0.0036	0.023	80		8.81	8.89		U		1							
75167	9.706	0.022	8.971	0.019		0.673	0.023	T	0.73	0.02	L	9.0492	0.0021	0.021	110		9.01	9.09				1							S
75168	10.497	0.037	10.049	0.040		0.423	0.050	T	0.49	0.05	L	10.0822	0.0032	0.030	100		10.02	10.13		C		1							
75169	10.923	0.057	9.225	0.023		1.418	0.049	T	1.40	0.08	L	9.2178	0.0025	0.017	78		9.19	9.25		C		1							
75170						1.500	0.510	G	3.56	0.98	Q	9.5846	0.2268	1.103	101		8.35	11.03	376.00	P 1 B		1	S						G P
75171	9.817	0.028	8.612	0.018		1.031	0.026	T	1.00	0.02	L	8.6890	0.0021	0.015	60		8.67	8.72		C		1							S
75172	9.048	0.020	8.465	0.018		0.559	0.015	G	0.63	0.01	H	8.5265	0.0015	0.013	43		8.51	8.55		C		1							
75173	9.779	0.024	8.393	0.014		1.167	0.007	G	1.13	0.01	H	8.3969	0.0018	0.013	84		8.37	8.42		C		1							
75174	9.334	0.016	7.884	0.009		1.200	0.007	G	1.16	0.01	H	7.9257	0.0017	0.014	118		7.90	7.95				1							S
75175	10.352	0.031	8.536	0.013		1.542	0.028	T	2.23	0.07	O	8.3804	0.0020	0.019	116		8.35	8.42		U		1							
75176											T	10.6847	0.0079	0.051	65		10.60	10.78		D	15218−1510	I 2	1 X	S						
75177	5.580	0.004	3.745	0.003		1.534	0.005	G	1.59	0.02	A	3.6909	0.0013	0.010	81		3.67	3.70		U 2	15218−3616	I 1	1							S
75178	5.310	0.002	5.370	0.002		−0.051	0.002	T	−0.03	0.00	L	5.3698	0.0005	0.005	197		5.36	5.38				1							S
75179	9.270	0.021	8.123	0.014		1.006	0.142	G	0.91	0.02	L	8.1728	0.0025	0.015	64		8.15	8.20		D	15218−1510	I 2	1							
75180	10.237	0.045	9.728	0.045		0.478	0.058	T	0.55	0.06	L	9.8392	0.0035	0.016	49		9.79	9.87		C		1							
75181	6.435	0.004	5.733	0.004		0.639	0.003	G	0.71	0.02	A	5.7821	0.0007	0.005	76		5.77	5.79		C		1							S
75182	10.724	0.043	10.130	0.039		0.550	0.015	G	0.62	0.01	H	10.2807	0.0026	0.026	112		10.22	10.32				1 X							
75183	10.004	0.019	9.321	0.017		0.620	0.019	T	0.69	0.02	L	9.4141	0.0023	0.029	154		9.36	9.47		U		1							
75184	9.907	0.024	8.367	0.012		1.293	0.021	T	1.25	0.02	L	8.3814	0.0020	0.015	79		8.36	8.41		C		1							
75185	10.288	0.042	9.325	0.030		0.847	0.038	T	0.86	0.03	L	9.4005	0.0038	0.022	58		9.35	9.45				1							
75186	12.098	0.171	9.510	0.026	*	1.316	0.134	G	1.28	0.16	R *	9.3975	0.0021	0.021	82	*	9.35	9.43		C	15219−3445	H 1	2 C S	B	AB	198	0.137	0.028	0.03	0.91	
75187	11.763	0.108	10.288	0.046		2.100	0.495	G	4.06	1.46	I	10.0927	0.0033	0.038	138		10.03	10.16		U 2		1							G
75188	10.714	0.036	9.059	0.015		1.384	0.031	T	1.36	0.04	L	9.0485	0.0023	0.022	127		9.01	9.08				1							
75189	8.699	0.009	8.208	0.009	A	0.503	0.015	G	0.58	0.02	H *	8.2276	0.0014	0.014	147	*	8.21	8.25		D	15219+1630	I 1	2 C	A	AB	303	1.301	0.024	2.74	0.06	S
75190						1.554	0.197	G	2.46	0.82	I	11.4853	0.0067	0.053	122		11.41	11.59			15218+2806	I 1	1 X							G G
75191	9.846	0.023	9.020	0.018		0.744	0.022	T	0.79	0.02	L	9.0468	0.0021	0.020	107		9.01	9.10				1							S
75192	9.653	0.022	8.427	0.014		1.047	0.020	T	1.02	0.02	L	8.4825	0.0017	0.019	128		8.45	8.52				1							
75193						2.200	0.495	G	2.19	0.51	J	12.0038	0.0077	0.066	93		11.84	12.09		U		1 X							D
75194	8.568	0.015	8.330	0.016		0.225	0.015	G	0.25	0.02	H	8.3630	0.0021	0.013	63		8.34	8.39		C		1							S
75195	10.346	0.028	9.001	0.016		1.140	0.025	T	1.10	0.03	L	9.0247	0.0019	0.019	126		9.00	9.07		C		1							
75196	7.962	0.008	7.424	0.009		0.523	0.015	G	0.60	0.02	H	7.4735	0.0012	0.011	99		7.45	7.50				1							S
75197	9.167	0.017	7.301	0.008		1.551	0.015	T	1.57	0.01	L	7.2706	0.0013	0.010	81		7.25	7.29		C		1							S
75198	10.849	0.042	10.088	0.035		0.694	0.043	T	0.75	0.04	L	10.0834	0.0028	0.032	132		10.04	10.13		C		1							
75199	10.528	0.055	9.990	0.057		0.504	0.071	T	0.58	0.07	L	10.0852	0.0054	0.030	67		10.04	10.14		C		1							
75200	9.524	0.022	9.043	0.022		0.465	0.024	T	0.54	0.03	L	9.1084	0.0028	0.017	96		9.08	9.14				1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)																						Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas			mas/yr																						%	
1 2	3	4	5 6 7		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28													29	30
75201	15 22 04.27	−04 46 38.7	9.46	H	230.517 809 11	−04.777 423 13		52.95	−294.73	−12.83	1.29	0.94	1.55	1.57	1.13	−15	−30	−21	+ 5	− 7	+29	+ 5	− 4	− 8	− 7													0	0.19
75202	15 22 05.76	+66 15 32.9	11.13	H	230.524 002 44	+66.259 152 41		11.29	−102.85	175.10	3.47	3.79	3.98	3.53	4.32	+14	−18	−25	−16	− 1	− 5	+ 1	+ 3	−10	+ 1													0	
75203	15 22 06.00	+51 10 54.9	9.53	2 H	230.525 004 86	+51.181 920 56		9.52	−36.87	47.43	1.82	1.81	2.10	2.30	2.45	+ 4	− 8	− 4	+15	+ 2	− 3	+ 3	+19	−13	+ 4													0	
75204	15 22 06.44	+05 02 44.5	10.32	H	230.526 817 35	+05.045 689 27		0.56	−10.53	5.10	1.50	1.00	1.80	1.87	1.39	− 6	−25	−13	+ 7	+ 0	− 9	− 8	−25	+ 1	−29													0	−0.58
75205	15 22 07.54	+55 41 25.3	7.82	H	230.531 412 02	+55.690 360 42		1.13	−9.57	−4.42	0.52	0.57	0.63	0.58	0.63	− 8	− 5	−16	− 7	− 6	− 1	− 5	− 5	+ 5	−35													1	−1.81
75206	15 22 08.39	−47 55 38.9	4.99	H	230.534 975 28	−47.927 469 63		29.27	−141.44	−132.58	0.54	0.56	0.76	0.63	0.74	−26	−25	−32	+ 6	+ 1	−14	+ 0	+20	+ 4	−50													2	3.19
75207	15 22 08.81	−32 11 22.6	7.00	2 H	230.536 701 84	−32.189 602 60		2.39	−42.73	−12.11	1.08	0.63	1.25	1.22	1.23	−36	+14	−20	− 5	−10	+ 1	−21	+18	−21	−27													0	−0.65
75208	15 22 09.87	+29 15 43.3	10.32	H	230.541 133 42	+29.262 028 33		7.00	36.70	−34.10	1.86	2.28	3.31	2.03	3.03	+16	− 9	−12	−22	−19	+ 6	−19	+ 5	+ 7	+ 3													0	
75209	15 22 10.59	−58 51 26.3	8.16	H	230.544 123 67	−58.857 304 26		4.09	−6.77	−3.36	0.86	0.71	1.05	1.31	1.15	+38	+ 3	− 2	+45	+40	+ 1	+46	+17	+19	+55													0	−0.01
75210	15 22 11.27	−37 38 08.0	6.65	H	230.546 958 37	−37.635 567 63		8.03	−20.17	−23.42	0.76	0.56	0.92	0.98	0.87	−19	−19	−17	+12	−11	− 4	−12	+27	−17	− 4													0	−0.53
75211	15 22 11.62	−05 36 18.5	8.22	H	230.548 420 51	−05.605 138 52		6.67	24.08	−14.96	1.07	0.75	1.15	1.15	0.93	−18	−29	−16	+41	− 3	+14	+ 9	+14	−14	−16													0	−1.14
75212	15 22 11.88	−46 05 22.2	9.03	H	230.549 487 66	−46.089 487 50		18.33	− 1.84	−61.86	3.47	2.99	4.39	3.99	4.13	−28	− 8	−23	− 4	+ 4	−16	+ 2	+16	− 9	−31													0	
75213	15 22 12.13	+56 54 35.0	8.81	H	230.550 556 10	+56.909 729 65		7.76	−28.79	3.73	0.70	0.70	0.80	0.73	0.76	+ 2	− 2	−26	−35	+ 0	− 2	+ 1	−27	+11	−23													0	−1.04
75214	15 22 12.53	+76 38 25.8	7.78	H	230.552 220 29	+76.640 502 01		1.97	−45.69	−16.41	0.60	0.65	0.68	0.60	0.72	+ 4	−11	−34	−26	+ 1	− 2	+ 1	−14	+ 9	− 4													1	2.23
75215	15 22 13.24	+79 19 39.2	9.16	H	230.555 180 73	+79.327 566 66		4.99	−16.39	−21.96	0.95	0.86	1.02	0.80	1.06	+18	−46	−26	−30	−14	+15	−10	+16	+ 4	− 2													0	−0.91
75216	15 22 13.34	+25 14 38.9	7.63	H	230.555 602 16	+25.244 144 03		7.24	−20.53	− 2.28	0.65	0.66	0.94	0.67	0.84	−32	−19	+ 0	+49	+ 5	−16	+ 1	+ 5	− 7	−53													1	0.93
75217	15 22 13.66	−18 15 16.8	8.88	H	230.556 925 57	−18.254 656 56		9.12	−105.39	−56.18	1.24	1.13	1.89	1.59	1.40	−21	+ 5	−60	+23	− 2	+17	+13	−18	+38	−18													0	−1.57
75218	15 22 13.79	+68 44 52.9	9.47	H	230.557 473 67	+68.748 027 53		17.76	−81.44	92.47	0.73	0.87	0.88	0.89	0.99	+ 8	−14	−33	+ 4	−17	+17	−13	− 4	− 2	− 4													0	0.88
75219	15 22 14.14	−56 16 35.7	9.65	G	230.558 902 18	−56.276 594 25		4.90	29.74	−45.18	1.15	1.03	1.46	1.61	1.65	−10	−21	−19	+16	+ 6	−17	+ 1	+18	+16	−20													0	0.91
75220	15 22 14.18	−53 36 15.4	7.25	H	230.559 072 67	−53.604 273 30		13.34	−95.31	−77.86	0.72	0.62	0.82	0.92	0.81	+ 1	−10	−23	+48	− 1	+11	+ 2	+45	+ 2	− 6													0	−0.19
75221	15 22 17.97	−53 14 14.6	7.60	H	230.574 879 40	−53.237 402 28		1.08	−27.55	−64.44	0.70	0.65	0.95	0.86	0.83	− 3	−13	−22	+ 3	+ 2	−10	− 3	+24	+ 1	+ 2													0	1.83
75222	15 22 18.74	+02 00 24.7	9.72	H	230.578 065 36	+02.006 854 36		5.59	−37.79	−17.85	1.31	0.82	1.59	1.54	1.33	−19	−42	+ 9	+18	− 3	−16	−17	−17	+16	−43													4	1.80
75223	15 22 19.82	+24 22 56.6	9.79	H	230.582 584 63	+24.382 381 54		1.28	− 6.89	18.40	0.91	0.95	1.38	0.97	1.33	−33	−24	+14	+28	− 5	− 7	−12	− 7	− 9	−54													0	−1.04
75224	15 22 20.08	−59 08 49.9	7.80	2 G	230.583 680 95	−59.147 198 88		0.65	− 5.55	− 3.05	0.73	0.66	1.01	0.97	0.97	+27	− 2	−19	+11	+22	−10	+24	−11	+18	+33													2	−0.64
75225	15 22 21.44	+26 52 37.7	12.19	3 H	230.589 350 75	+26.877 131 41		−1.67	− 2.44	− 3.62	3.06	2.28	3.49	3.40	3.59	− 3	−35	+ 8	+ 6	+20	+ 1	+28	+ 2	−12	−22													0	0.02
75226	15 22 21.73	+07 48 58.2	8.76	H	230.590 549 44	+07.816 154 20		6.60	−17.03	−13.50	1.13	0.70	1.18	1.27	0.93	+10	−25	−16	+22	− 5	+ 6	− 4	− 8	− 8	+ 2													2	1.98
75227	15 22 21.82	−25 27 34.2	7.84	H	230.590 924 56	−25.459 503 15		2.72	−18.23	2.92	0.93	0.83	1.37	1.17	1.14	−18	−24	−51	+ 7	+11	−13	− 5	−21	+42	−44													0	0.54
75228	15 22 22.04	−47 30 05.7	9.47	H	230.591 841 58	−47.501 596 97		7.36	−87.80	−71.49	1.28	1.19	1.81	1.81	1.64	− 7	−16	−34	+20	+22	−16	+21	+14	−12	+ 5													2	−0.05
75229	15 22 22.19	−08 02 27.6	10.01	G	230.592 475 15	−08.041 009 65		0.21	− 5.79	− 7.80	1.65	1.23	1.90	2.18	1.66	−24	−12	−27	+24	− 9	+ 1	− 7	+11	− 4	−19													0	1.41
75230	15 22 23.24	+12 34 03.1	6.29	H	230.596 829 31	+12.567 531 62		7.33	0.20	− 4.52	0.77	0.50	0.80	0.88	0.70	+ 9	−23	− 7	+38	+ 8	+16	− 4	−12	+ 1	−18													0	0.07
75231	15 22 23.91	+04 41 02.3	9.00	H	230.599 607 75	+04.683 982 18		7.13	−47.76	20.47	1.07	0.67	1.25	1.22	0.96	+ 0	−25	−28	+29	−11	+ 4	−21	− 7	+ 7	−29													0	1.37
75232	15 22 23.96	+20 55 42.6	8.20	1 H	230.599 821 07	+20.928 491 87		2.53	−18.71	5.79	0.61	0.73	1.07	0.84	1.27	−37	+ 1	−17	+11	+16	−13	+ 6	−29	+28	−59													1	3.21
75233	15 22 25.32	+25 37 27.0	7.23	2 G	230.605 480 86	+25.624 168 42		3.58	15.02	− 8.69	0.68	0.60	0.89	0.84	0.86	−31	−24	+ 1	+44	+ 4	−25	−10	− 1	+ 1	−63													0	0.31
75234	15 22 25.38	−40 55 36.1	9.05	2 H	230.605 769 02	−40.926 692 80		2.62	− 6.22	−16.05	0.96	0.83	1.31	1.13	1.05	−30	−22	−13	+ 7	+ 2	−26	− 4	+23	+ 1	−23													0	0.67
75235	15 22 25.73	−66 35 57.7	7.92	G	230.607 195 04	−66.599 361 34		7.60	−48.35	−37.98	0.46	0.63	0.95	0.47	0.76	+22	−10	+ 0	−36	− 9	− 2	− 9	+14	+ 7	+19													0	−1.14
75236	15 22 26.40	−64 07 43.1	8.42	H	230.610 019 38	−64.128 649 89		11.03	−12.84	−27.09	0.57	0.78	1.05	0.67	0.97	− 6	−20	− 1	+13	+ 3	−16	+ 6	+22	−11	−10													0	−0.12
75237	15 22 26.62	−07 18 24.4	9.15	H	230.610 917 95	−07.306 780 50		2.33	6.36	−14.68	1.50	1.19	1.93	2.57	1.69	−26	−15	−29	− 8	− 6	−34	−18	+ 1	+ 0	−16													0	0.63
75238	15 22 26.87	−52 31 22.7	8.64	H	230.611 939 37	−52.522 973 93		10.58	−87.35	−67.64	0.89	0.77	1.12	0.93	0.93	− 6	−28	− 8	+ 8	+10	− 9	+12	+22	−11	− 2													0	0.49
∗75239	15 22 27.06	−33 42 58.4	9.18	H	230.612 768 32	−33.716 227 32		10.34	59.70	−85.36	1.24	0.74	1.39	1.35	1.28	−30	− 4	− 4	+19	−17	− 1	−21	+30	−23	−19													0	0.51
∗75240	15 22 27.05	+32 00 13.4	8.16	G	230.612 691 78	+32.003 715 29		1.97	−21.99	−16.17	0.53	0.63	0.91	0.59	0.69	+22	− 4	− 1	+19	+10	−11	+11	+24	− 3	+ 8													0	1.74
75241	15 22 29.07	−20 43 34.1	10.02	H	230.621 121 24	−20.726 139 34		6.89	8.52	19.60	1.71	1.17	1.91	2.21	1.67	− 7	−24	−27	+25	− 5	+13	+ 0	+22	− 2	− 8													3	−0.51
75242	15 22 29.27	−24 18 13.2	10.24	G	230.621 945 33	−24.303 679 21		2.96	−30.22	−12.67	1.78	1.32	2.30	1.91	1.41	+ 6	−35	−49	+ 1	+ 1	+ 9	+ 3	−18	+17	+ 3													0	−0.73
75243	15 22 29.37	−74 23 57.9	6.51	H	230.622 354 43	−74.399 424 82		4.27	−13.88	−13.01	0.45	0.51	0.64	0.55	0.63	+ 4	−17	+12	+ 8	+ 4	+ 3	+ 3	+31	− 1	+ 9													1	−0.41
75244	15 22 30.04	−37 01 42.4	8.09	H	230.625 167 04	−37.028 442 66		2.73	− 9.83	− 7.83	0.97	0.67	1.13	1.20	0.96	− 6	−11	−10	+19	+ 2	+11	+ 5	+21	−12	+ 7													0	1.21
75245	15 22 32.39	+34 13 45.4	7.30	H	230.634 945 26	+34.229 283 55		3.38	−86.93	58.65	0.43	0.49	0.71	0.46	0.54	+14	− 3	− 4	− 7	+ 9	− 8	+11	+ 2	+ 1	− 1													0	0.05
∗75246	15 22 33.22	+35 24 08.3	8.80	H	230.638 429 84	+35.402 292 46		18.41	16.53	19.53	0.67	0.76	1.02	0.82	0.90	+24	− 4	− 1	+ 8	+ 5	−19	+ 5	+ 9	+ 5	+17													0	0.43
∗75247	15 22 33.20	−44 17 34.3	6.74	H	230.638 351 46	−44.292 860 12		5.55	− 2.67	−23.42	0.57	0.52	0.74	0.59	0.60	−26	−17	−18	+ 3	+ 8	−16	+ 7	+14	− 1	−26													2	1.60
75248 H	15 22 35.11	+72 54 15.2	8.84	H	230.646 298 14	+72.904 220 77	∗	8.64	−38.22	50.12	0.71	0.69	0.78	0.73	0.74	+ 6	−22	−22	+ 1	+ 1	+ 2	+ 4	+ 4	−13	− 8													0	1.37
75249	15 22 35.26	+20 23 48.9	8.45	H	230.646 925 73	+20.396 928 20		15.15	−137.66	−96.51	0.88	0.78	1.22	1.17	1.32	−18	−11	−11	−30	+17	+ 0	+14	−28	+34	−42													0	−0.33
75250	15 22 35.50	+33 33 22.0	9.04	H	230.647 911 20	+33.556 111 94		3.38	7.90	− 0.11	0.64	0.72	1.04	0.67	0.77	+20	− 8	− 5	+ 1	− 1	+ 3	+ 2	+21	− 1	+ 2													0	0.58
∗75251	15 22 36.62	−36 33 11.4	8.48	H	230.652 602 61	−36.553 154 91		0.61	− 4.52	−14.34	1.02	0.72	1.26	1.33	1.03	−11	−18	−20	− 2	− 3	+17	− 4	+ 3	+19	+12													0	2.23
∗75252 H	15 22 36.61	−59 09 58.8	7.52	1 H	230.652 531 45	−59.166 324 97	A	11.76	1.96	−44.47	0.98	0.89	1.12	1.08	1.05	+50	− 1	− 2	+22	+23	− 2	+25	+12	+ 9	+67													4	0.71
75253	15 22 36.73	−10 39 38.3	7.97	G	230.653 037 71	−10.660 631 31		45.83	−57.74	−202.38	1.22	0.85	1.41	1.56	1.03	−51	− 4	− 7	+42	−24	+47	−15	+19	−11	−34													0	1.94
75254	15 22 36.74	−14 52 43.5	9.41	H	230.653 071 66	−14.878 741 76		5.11	−17.35	− 1.19	1.26	0.97	1.53	1.38	1.11	−20	−20	−37	+13	−22	+19	−13	+22	−21	−25													0	−1.45
75255 H	15 22 36.79	−47 55 13.5	7.68	G	230.653 281 07	−47.920 421 25	A	29.62	−364.94	−255.73	2.27	2.00	2.39	1.91	1.98	− 5	−20	−22	− 7	+ 0	− 9	+ 2	+12	−14	− 6													3	1.15
75256	15 22 37.25	+62 02 49.8	5.99	H	230.655 192 06	+62.047 169 44		7.07	9.30	−38.47	0.49	0.48	0.52	0.59	0.55	+ 2	−11	−20	−19	− 5	− 2	− 8	+26	−26	− 4													0	−0.09
75257	15 22 37.37	+39 34 53.4	5.56	1 H	230.655 708 69	+39.581 496 19		1.23	2.21	−13.77	0.40	0.40	0.53	0.49	0.47	+10	+ 3	− 2	− 9	− 1	− 5	+ 2	+ 8	−11	− 6													0	2.45
∗75258 H	15 22 38.20	−62 34 01.1	8.08	H	230.659 176 83	−62.566 982 82	∗	2.17	− 4.81	−11.53	1.18	1.45	1.19	0.83	1.16	−12	− 8	+ 9	+33	+16	− 7	+17	+14	− 2	−14													2	0.45
∗75259	15 22 38.18	+39 53 13.2	10.66	H	230.659 072 11	+39.887 007 71		8.35	−190.19	134.59	1.20	1.23	1.66	1.47	1.41	+ 8	−10	−16	−14	− 1	+21	+ 7	+11	−18	−11													1	0.29
75260	15 22 38.43	+63 20 30.0	5.72	H	230.660 145 65	+63.341 663 75		8.59	−15.15	−92.40	0.46	0.45	0.49	0.47	0.51	+12	− 1	−10	− 9	− 8	−15	− 6	+21	−10	− 2													1	−0.50
75261	15 22 39.47	−01 32 08.9	8.57	H	230.664 456 15	−01.535 798 20	A	3.24	11.72	− 4.21	2.79	1.95	2.24	2.81	2.31	−23	−21	− 3	+41	− 8	+ 1	− 6	+12	+ 5	−18													9	2.06
∗75262	15 22 40.22	−01 32 29.8	9.87	H	230.667 579 03	−01.541 610 16	B	20.19	−74.59	2.64	15.34	10.41	9.87	12.12	9.63	−20	−25	− 5	+31	− 7	− 3	− 6	+ 2	+ 2	−13													9	2.06
∗75263	15 22 40.08	+01 15 52.9	10.06	G	230.666 999 53	+01.264 693 13		2.40	−35.92	65.36	1.86	0.94	2.17	1.67	1.40	− 6	−63	− 7	+21	−12	− 1	−17	+ 8	+ 4	−40													2	1.73
75264 H	15 22 40.89	−44 41 22.5	3.37	G	230.670 364 65	−44.689 573 14	∗	6.47	−20.25	−20.13	0.93	0.73	0.61	0.83	0.71	−34	+14	−15	+ 2	+21	−10	+22	+ 7	+ 7	+ 3													2	0.34
75265	15 22 41.89	+65 01 28.5	8.82	H	230.674 558 96	+65.024 575 85		7.62	7.34	− 0.72	0.68	0.74	0.79	0.73	0.84	+14	− 9	−14	−13	+ 2	−27	− 1	+13	−17	+18													1	0.13
75266	15 22 42.76	+01 25 10.2	8.28	G	230.678 162 57	+01.419 511 11		39.35	−363.59	−363.87	1.15	0.68	1.37	1.26	1.08	− 9	−46	−18	+40	+ 2	−29	−26	− 8	+27	−56													2	−0.34
75267	15 22 43.30	−50 02 55.0	9.37	H	230.680 410 23	−50.048 621 70		8.03	−13.58	−24.43	1.08	0.97	1.43	1.14	1.12	+ 1	−28	−27	+22	+13	−10	+14	+20	− 9	+ 7													0	0.54
∗75268	15 22 43.72	+35 23 41.0	8.55	H	230.682 184 87	+35.394 718 13		2.25	−32.85	27.62	0.60	0.70	0.95	0.75	0.82	+15	+ 4	− 5	+11	+ 8	−19	+ 7	+ 9	+ 3	+ 9													2	1.48
∗75269	15 22 43.71	+16 15 40.7	8.18	2 T	230.682 123 66	+16.261 311 05		17.31	−387.51	2.80	0.82	0.62	0.95	0.91	0.77	− 9	−12	+21	−39	−32	+14	−40	+ 1	− 7	− 3													3	−0.11
75270 H	15 22 43.74	−22 53 57.3	8.37	H	230.682 262 96	−22.899 249 28	∗	6.33	−35.59	−18.16	1.20	0.82	1.44	1.64	1.15	− 9	+19	−21	−21	−13	−16	−25	+ 0	−48	+36													0	1.16
75271	15 22 44.07	+02 11 52.1	8.40	H	230.683 634 77	+02.197 817 90		11.25	−57.11	− 5.39	1.13	0.63	1.46	1.41	1.20	− 3	−44	−18	+28	+ 5	−29	−31	−21	+44	−55													4	0.39
75272	15 22 45.19	−29 20 30.9	6.50	H	230.688 286 39	−29.341 906 90		7.36	30.42	−11.43	0.86	0.53	0.92	0.95	0.74	− 7	−20	−22	+38	+ 1	+22	+10	+21	+ 1	−16													0	2.69
75273	15 22 45.30	−77 42 18.9	8.92	G	230.688 732 52	−77.705 257 14		4.75	−22.73	−27.16	0.67	0.76	0.98	0.60	0.84	+ 6	−40	− 1	− 2	− 3	− 5	−13	+17	+22	+11													1	0.19
75274	15 22 45.79	+30 32 52.6	8.17	H	230.690 792 47	+30.547 933 00		10.97	19.93	− 0.58	0.66	0.87	1.39	0.71	0.99	+33	− 9	−13	−12	+ 1	−10	+ 1	− 2	+ 4	+19													1	
75275	15 22 46.01	+28 03 25.3	7.37	G	230.691 717 80	+28.057 038 32		5.72	9.40	− 0.32	0.62	0.60	0.97	0.67	0.70	+ 4	−24	+ 1	+42	−25	−24	−28	+30	+ 2	− 8													1	0.72
75276	15 22 46.35	−30 24 13.6	9.16	H	230.693 111 33	−30.403 764 33		2.15	6.67	− 9.02	1.09	0.64	1.21	1.11	0.97	−23	−14	−14	− 7	− 8	+ 9	−10	+14	−11	−19													0	0.13
75277	15 22 46.98	+18 55 07.6	7.16	H	230.695 732 24	+18.918 771 81		49.67	−230.30	77.50	0.77	0.63	0.92	1.03	0.93	− 4	−26	−19	−41	− 5	+ 3	− 5	−33	+ 9	−38													4	−0.12
75278	15 22 47.86	+09 35 55.9	8.17	H	230.699 426 16	+09.598 850 34		2.63	−47.07	−11.88	1.06	0.76	1.37	1.54	1.11	−11	−17	− 8	+ 1	+11	−46	− 3	−39	+21	−40													2	−0.59
75279	15 22 50.06	+09 53 58.9	8.88	H	230.708 598 36	+09.899 688 23		3.26	− 0.18	−25.39	1.29	0.93	1.58	1.75	1.24	−10	−14	−10	−12	+14	−45	+ 4	−47	+20	−32													0	−1.33
75280	15 22 50.55	+52 09 11.0	8.55	H	230.710 612 41	+52.153 052 90		3.85	7.47	27.80	0.71	0.69	0.80	0.87	0.85	+14	− 7	+ 6	+17	+ 8	+ 0	+ 8	+ 3	+ 6	+19													0	−1.09
75281	15 22 52.23	+13 21 59.4	7.91	H	230.717 627 05	+13.366 494 02		21.53	−271.46	−26.60	0.81	0.65	1.19	0.82	0.85	−14	−32	− 3	−18	− 8	+12	−22	−25	+26	−37													0	0.26
75282	15 22 52.62	+12 05 40.0	8.28	H	230.719 240 43	+12.094 438 65		2.16	14.65	− 0.67	0.94	0.63	0.99	1.04	0.87	+ 0	−23	−11	+35	+ 3	+ 5	− 7	−10	+ 0	−26													0	−1.25
75283	15 22 52.87	+31 33 14.3	8.63	G	230.720 276 15	+31.553 969 57		12.25	−46.12	−121.30	0.55	0.69	1.06	0.54	0.71	+22	−12	+ 4	+ 0	+ 1	−18	+ 9	+29	−14	+ 7													1	0.37
75284	15 22 53.91	−09 07 32.6	8.87	H	230.724 615 41	−09.125 714 55		12.69	3.34	−13.31	1.36	0.90	1.56	1.40	1.08	−31	−43	− 1	+12	− 6	+21	− 3	+13	− 2	−26													0	−1.12
75285	15 22 54.12	+37 52 32.2	8.98	H	230.725 514 58	+37.875 623 11		3.22	0.98	−13.70	0.66	0.73	0.93	0.80	0.92	+ 3	+10	− 6	+24	− 5	− 5	− 9	− 2	−12	− 3													0	1.10
75286	15 22 54.58	−29 10 24.3	8.72	1 H	230.727 436 50	−29.173 426 05		2.20	− 0.76	− 5.88	1.04	0.71	1.19	1.24	1.13	−25	−22	−13	+21	− 9	+ 6	− 9	+18	+14	−36													0	2.69
75287	15 22 55.09	−47 54 03.1	10.19	H	230.729 561 03	−47.900 871 50		6.97	−10.76	−10.19	1.66	1.49	2.35	1.89	1.94	− 5	−29	−35	+ 6	+ 6	− 6	+ 7	+14	− 7	−21													0	0.07
75288	15 22 57.05	−26 41 19.6	6.53	H	230.737 697 11	−26.688 775 67		5.26	14.28	4.58	0.87	0.70	1.14	1.21	0.99	+ 2	−25	−52	−12	−15	− 7	−28	+ 1	+23	−20													0	−1.61
75289	15 22 57.82	−77 31 47.0	8.43	G	230.740 925 20	−77.529 722 46		8.89	−26.30	−19.74	0.60	0.70	0.86	0.60	0.75	+13	−25	− 2	−13	− 2	− 4	− 8	+18	+18	+16													0	−1.15
75290	15 22 58.03	−36

No.	Tycho Magnitudes					Colour Indices							Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag			Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3		44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
75201	11.148	0.078	9.599	0.032		1.310	0.006	G	1.53	0.01	A		9.5688	0.0019	0.015	62		9.54	9.60		C			1							
75202						1.611	0.082	G	1.28	0.24	S		11.2842	0.0075	0.054	84		11.20	11.40		R			1 X							G
75203	10.342	0.033	9.549	0.027		0.719	0.033	T	0.77	0.02	L		9.6707	0.0081	0.055	104		9.57	9.74	0.19	P 1 A			1 X							
75204	10.774	0.048	10.329	0.052		0.420	0.065	T	0.49	0.07	L		10.4108	0.0045	0.036	101		10.33	10.48					1							
75205	9.691	0.016	7.969	0.008		1.437	0.014	T	1.43	0.02	L		7.9544	0.0015	0.013	133		7.93	7.98					1							S
75206	5.587	0.003	5.045	0.003		0.515	0.003	T	0.59	0.00	L		5.1025	0.0006	0.004	80		5.10	5.11		C			1							S
75207	9.092	0.015	7.276	0.007		1.542	0.014	T	2.89	0.02	O		6.9326	0.0036	0.027	97		6.89	6.99		U 2			1 S							S
75208	11.103	0.037	10.300	0.030		0.727	0.037	T	0.78	0.03	L		10.4663	0.0036	0.045	178		10.39	10.54					1 X							
75209	8.364	0.012	8.182	0.014		0.174	0.017	T	0.19	0.02	L		8.2144	0.0012	0.015	115		8.19	8.24					1							
75210	6.572	0.006	6.635	0.006		−0.062	0.001	G	−0.04	0.00	H		6.6385	0.0010	0.008	82		6.62	6.65		C			1							S
75211	9.693	0.028	8.347	0.017		1.141	0.026	T	1.10	0.03	L		8.3872	0.0023	0.013	65		8.37	8.41		C			1							
75212	10.017	0.027	9.143	0.021		0.765	0.026	T	0.80	0.02	L		9.1698	0.0028	0.020	84		9.14	9.22		C	15222−4605	I 1	1 X							
75213	9.309	0.014	8.854	0.014		0.429	0.018	T	0.50	0.02	L		8.9045	0.0016	0.014	102		8.88	8.93		C			1							
75214	9.583	0.019	7.926	0.009		1.386	0.017	T	1.36	0.02	L		7.9290	0.0021	0.016	121		7.90	7.96					1							S
75215	10.463	0.034	9.231	0.020		1.052	0.031	T	1.02	0.03	L		9.3278	0.0019	0.020	98		9.30	9.37		C			1							
75216	7.961	0.006	7.668	0.008		0.279	0.009	T	0.32	0.01	L		7.7058	0.0016	0.014	142		7.69	7.74					1							S
75217	9.463	0.030	8.968	0.029		0.477	0.032	T	0.55	0.03	L		8.9849	0.0021	0.016	48		8.95	9.01					1							
75218	10.443	0.033	9.498	0.024		0.820	0.032	T	0.86	0.03	L		9.6063	0.0025	0.023	114		9.57	9.65					1							
75219	10.878	0.071	9.714	0.042		1.010	0.015	G	0.99	0.01	I		9.7716	0.0021	0.020	68		9.73	9.80		C			1							G
75220	7.755	0.007	7.298	0.007		0.444	0.008	T	0.51	0.01	L		7.3517	0.0013	0.012	87		7.33	7.37		C			1							S
75221	9.084	0.018	7.765	0.011		1.120	0.017	T	1.08	0.02	L		7.7675	0.0015	0.012	82		7.74	7.79		C			1							S
75222	10.384	0.034	9.790	0.032		0.554	0.041	T	0.63	0.04	L		9.8428	0.0027	0.021	90		9.80	9.88		C			1							
75223	9.927	0.023	9.854	0.031		0.072	0.036	T	0.08	0.04	L		9.8239	0.0018	0.023	124		9.77	9.86					1							
75224	8.860	0.027	7.954	0.021		0.906	0.015	G	0.91	0.01	H		7.9545	0.0039	0.031	128		7.92	8.02		U 2			1							S
75225											T		12.2686	0.0476	0.447	102		11.26	12.53	0.58	P 1 A			1 S							D
75226	10.174	0.033	8.871	0.019		1.107	0.030	T	1.07	0.03	L		8.9242	0.0023	0.014	75		8.90	8.95		C			1							
75227	9.583	0.025	7.976	0.013		1.346	0.022	T	1.31	0.03	L		7.9922	0.0020	0.010	55		7.98	8.01		C			1							S
75228	10.445	0.043	9.597	0.033		0.761	0.041	T	0.80	0.03	L		9.6209	0.0037	0.020	76		9.59	9.65					1							G
75229	10.643	0.057	10.183	0.061		0.476	0.015	G	0.55	0.02	H		10.1261	0.0047	0.027	56		10.09	10.17					1							
75230	6.275	0.004	6.286	0.005		−0.008	0.006	T	0.01	0.01	L		6.2927	0.0007	0.006	69		6.28	6.30		C			1							S
75231	9.604	0.020	9.048	0.019		0.521	0.025	T	0.59	0.03	L		9.1118	0.0020	0.019	101		9.07	9.15					1 S							
75232	8.726	0.011	8.234	0.011		0.450	0.015	G	0.52	0.02	H		8.2976	0.0031	0.028	135		8.26	8.35	1.53	P 1 A			1							S P
75233	8.891	0.014	7.396	0.008		1.244	0.005	G	1.20	0.01	H		7.4027	0.0050	0.055	120		7.35	7.50		U 2	15224+2538	I 1	1							S
75234	9.669	0.032	9.091	0.030		0.540	0.039	T	0.61	0.04	L		9.1676	0.0244	0.179	92		8.93	9.33	0.48	P 1 A			1							
75235	8.744	0.009	7.993	0.007		0.695	0.005	G	0.75	0.00	H		8.0405	0.0012	0.019	242		8.01	8.07					1							S
75236	9.313	0.014	8.513	0.011		0.708	0.014	T	0.76	0.01	L		8.5607	0.0020	0.019	147		8.53	8.60					1							
75237	10.694	0.066	9.287	0.032		1.189	0.058	T	1.15	0.05	L		9.3209	0.0029	0.019	51		9.29	9.35		C	15224−0718	I 1	1 S							
75238	9.451	0.018	8.701	0.015		0.670	0.018	T	0.73	0.01	L		8.7703	0.0016	0.015	86		8.75	8.80					1							
75239	10.015	0.029	9.241	0.023		0.689	0.028	T	0.75	0.02	L		9.3210	0.0019	0.021	85		9.28	9.36					1							
75240	9.927	0.016	8.303	0.008		1.350	0.015	G	1.32	0.02	H		8.3061	0.0012	0.017	203		8.28	8.34					1 S							S
75241	10.881	0.068	10.117	0.052		0.696	0.067	T	0.75	0.06	L		10.1593	0.0048	0.025	54		10.12	10.20					1							
75242	10.803	0.059	10.205	0.054		0.560	0.020	G	0.63	0.02	H		10.3551	0.0034	0.020	52		10.32	10.39		C			1							G
75243	6.598	0.004	6.515	0.004		0.075	0.005	T	0.09	0.01	L		6.5370	0.0007	0.008	146		6.52	6.55					1							S
75244	9.416	0.022	8.235	0.014		1.012	0.020	T	0.99	0.02	L		8.2553	0.0018	0.015	79		8.23	8.28			15225−3702	I 1	1 S							
75245	8.690	0.008	7.412	0.005		1.088	0.007	T	1.05	0.01	L		7.4696	0.0011	0.011	203		7.45	7.49					1							S
75246	9.657	0.017	8.878	0.014		0.708	0.017	T	0.76	0.01	L		8.9394	0.0018	0.019	158		8.90	8.98					1							S
75247	6.801	0.005	6.747	0.006		0.049	0.007	T	0.06	0.01	L		6.7663	0.0011	0.009	89		6.75	6.78		C			1							S
75248	9.445	0.016	8.897	0.015	*	0.513	0.020	T	0.59	0.02	L	*	8.9504	0.0016	0.014	125	*	8.92	8.98		C	15226+7254	H 1	2 C S C	AB	12	0.131	0.043	1.40	1.06	S
75249	9.323	0.018	8.539	0.014		0.712	0.018	T	0.77	0.01	L		8.5962	0.0020	0.023	105		8.56	8.63					1							
75250	11.091	0.040	9.197	0.013		1.573	0.033	T	1.59	0.03	L		9.1531	0.0017	0.022	203		9.11	9.19		C			1							
75251	9.020	0.021	8.580	0.022		0.415	0.028	T	0.48	0.03	L		8.5789	0.0034	0.022	72		8.55	8.61					1							
75252	7.954	0.008	7.600	0.010	A	0.319	0.061	G	0.38	0.04	L	*	7.6037	0.0015	0.014	124	*	7.58	7.63		U 2	15226−5910	I 1	2 C A	AB	60	6.852	0.018	2.93	0.05	S
75253	9.207	0.022	8.067	0.015		0.970	0.012	G	1.02	0.01	I		8.1054	0.0014	0.009	57		8.09	8.13					1							
75254	10.892	0.069	9.596	0.036		1.102	0.061	T	1.06	0.06	L		9.5812	0.0027	0.019	70		9.53	9.62		C			1							
75255	8.604	0.025	7.872	0.021	*	0.657	0.025	T	0.72	0.02	L	*	7.8192	0.0019	0.013	77	*	7.80	7.85		D	15226−4755	I 1	2 C A	AB	46	0.991	0.005	0.35	0.03	
75256	5.949	0.004	5.984	0.003		−0.033	0.002	G	−0.01	0.00	H		5.9894	0.0007	0.006	100		5.98	6.00		C			1 G							S
75257	7.695	0.007	5.735	0.004		1.626	0.006	T	1.65	0.01	L		5.6751	0.0013	0.014	143		5.65	5.69		U 2			1							S
75258	8.141	0.007	8.092	0.008	*	0.044	0.010	T	0.06	0.01	L	*	8.1001	0.0015	0.016	157	*	8.08	8.13		D	15226−6234	I 1	2 C A	AB	162	0.210	0.006	0.63	0.18	
75259	11.662	0.094	10.652	0.060		0.870	0.087	T	0.91	0.09	L		10.8068	0.0039	0.044	115		10.72	10.88					1							G
75260	7.435	0.006	5.868	0.003		1.315	0.005	T	1.28	0.01	L		5.8765	0.0007	0.007	106		5.87	5.89		C			1							S
75261	10.327	0.056	8.714	0.024	A	1.351	0.048	T	1.32	0.06	L		8.7230	0.0144	0.021	61	A	8.63	8.75		D	15227−0132	I 2	1 C P A							
75262	10.667	0.076	9.777	0.056	B	0.792	0.070	T	0.82	0.05	L		9.9999	0.0361			B				D	15227−0132	I 2	1 C I A							
75263	10.804	0.058	10.053	0.047		0.769	0.015	G	0.81	0.01	H		10.1774	0.0032	0.026	78		10.14	10.22		C			1							
75264	3.150	0.002	3.349	0.003	*	−0.191	0.016	G	−0.20	0.02	A	*	3.3138	0.0007	0.006	82	*	3.30	3.32		D	15227−4441	I 1	2 C A	AB	180	0.266	0.003	1.48	0.03	S
75265	9.477	0.016	8.890	0.015		0.548	0.019	T	0.62	0.02	L		8.9450	0.0018	0.017	110		8.91	8.98					1							
75266	9.572	0.020	8.372	0.013		0.992	0.003	G	1.04	0.00	I		8.4221	0.0016	0.014	84		8.39	8.46		C			1							
75267	9.930	0.027	9.409	0.027		0.498	0.029	T	0.57	0.03	L		9.4782	0.0022	0.024	89		9.44	9.52					1							G
75268	9.739	0.017	8.647	0.011		0.944	0.016	T	0.93	0.01	L		8.7125	0.0016	0.017	166		8.68	8.75		C			1 S							S
75269	8.936	0.010	8.248	0.009		0.635	0.011	T	0.70	0.01	L		8.3260	0.0091	0.069	139		8.23	8.42	0.30	P 1 A			1							S P
75270	8.912	0.016	8.425	0.015	*	0.458	0.020	T	0.53	0.02	L	*	8.4732	0.0021	0.013	58	*	8.45	8.50		D	15227−2254	H 1	2 C S A	AB	226	0.194	0.039	1.87	0.46	
75271	8.986	0.012	8.462	0.012		0.492	0.015	T	0.56	0.02	L		8.5095	0.0019	0.012	91		8.48	8.53					1							S
75272	7.797	0.009	6.617	0.006		1.011	0.008	T	0.99	0.01	L		6.6663	0.0009	0.009	77		6.65	6.69					1							S
75273	9.151	0.013	8.953	0.015		0.170	0.004	G	0.19	0.00	H		8.9809	0.0020	0.020	133		8.94	9.02		C			1							
75274	8.688	0.007	8.222	0.007		0.439	0.009	T	0.51	0.01	L		8.2660	0.0011	0.017	271		8.24	8.29		C			1 X							S
75275	8.616	0.009	7.483	0.006		0.984	0.009	G	0.96	0.01	H		7.5375	0.0012	0.011	134		7.52	7.56		C			1							S
75276	10.450	0.037	9.212	0.022		1.057	0.034	T	1.02	0.03	L		9.3278	0.0017	0.015	92		9.31	9.36		C			1							
75277	8.159	0.010	7.234	0.007		0.804	0.009	T	0.83	0.01	L		7.3025	0.0011	0.011	108		7.29	7.32					1							S
75278	9.873	0.025	8.266	0.012		1.346	0.022	T	1.31	0.03	L		8.3214	0.0019	0.015	83		8.30	8.34		C			1							S
75279	10.417	0.038	9.020	0.019		1.181	0.033	T	1.14	0.03	L		9.0512	0.0022	0.016	72		9.02	9.08		C			1							
75280	9.737	0.018	8.671	0.012		0.924	0.016	T	0.92	0.01	L		8.7150	0.0017	0.015	115		8.69	8.75					1							
75281	8.678	0.013	7.974	0.012		0.656	0.015	G	0.72	0.01	H		8.0450	0.0018	0.013	78		8.02	8.07		C			1							S
75282	9.548	0.019	8.406	0.013		0.982	0.018	T	0.96	0.01	L		8.4492	0.0016	0.013	81		8.41	8.47		C			1							S
75283	9.248	0.011	8.656	0.010		0.550	0.020	G	0.62	0.02	H		8.7447	0.0016	0.024	214		8.70	8.78					1							S
75284	9.484	0.023	8.905	0.022		0.541	0.028	T	0.61	0.03	L		8.9907	0.0021	0.014	61		8.96	9.00		C			1							
75285	10.155	0.024	9.094	0.016		0.920	0.022	T	0.92	0.02	L		9.1410	0.0017	0.018	134		9.11	9.17					1							
75286	11.205	0.075	8.948	0.022		1.906	0.064	T	2.75	0.09	O		8.7037	0.0036	0.021	80		8.66	8.73		U	15229−2910	I 1	1							
75287	11.008	0.127	10.384	0.106		0.583	0.072	G	0.65	0.07	R		10.3169	0.0048	0.036	78		10.26	10.37					1							G
75288	7.980	0.010	6.664	0.006		1.118	0.009	T	1.08	0.01	L		6.6967	0.0008	0.006	59		6.69	6.71					1							S
75289	9.181	0.013	8.507	0.011		0.614	0.015	G	0.68	0.01	H		8.5539	0.0014	0.015	134		8.53	8.58		C			1							
75290	9.582	0.037	9.037	0.034		0.517	0.037	T	0.59	0.04	L		9.0968	0.0021	0.016	77		9.06	9.13					1							
75291	9.692	0.030	8.663	0.021		0.896	0.027	T	0.90	0.02	L		8.7237	0.0023	0.013	54		8.70	8.74					1							
75292	8.736	0.012	7.442	0.007		1.100	0.011	T	1.06	0.01	L		7.4950	0.0013	0.009	104		7.48	7.51					1							S
75293	8.503	0.011	7.153	0.007		1.144	0.010	T	1.11	0.01	L		7.1939	0.0013	0.011	90		7.17	7.22					1							S
75294	8.581	0.015	6.650	0.007		1.603	0.013	T	1.62	0.01	L		6.5763	0.0013	0.013	54		6.55	6.59		M			1							S
75295	9.855	0.021	9.370	0.021		0.456	0.027	T	0.53	0.03	L		9.3957	0.0020	0.018	110		9.36	9.44					1							S
75296	8.752	0.013	8.752	0.017		0.022	0.015	G	0.04	0.01	H		8.7515	0.0023	0.017	89		8.73	8.77		C			1							
75297	9.972	0.020	9.230	0.017		0.679	0.021	T	0.74	0.02	L		9.3399	0.0021	0.019	115		9.30	9.38					1							
75298	9.414	0.016	9.098	0.018		0.300	0.023	T	0.34	0.03	L		9.1444	0.0020	0.016	98		9.11	9.18		C			1							
75299	10.143	0.033	9.670	0.035		0.446	0.044	T	0.52	0.05	L		9.7423	0.0025	0.020	80		9.71	9.77		C			1							
75300	10.083	0.031	8.407	0.015		1.401	0.027	T	1.38	0.03	L		8.3877	0.0018	0.015	63		8.37	8.41		C			1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)														Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$		F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr													%		
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
75301	15 23 08.04	−36 34 23.2	10.29	H	230.783 502 50	−36.573 118 70		2.76	−32.06	−47.75	1.83	1.26	2.19	2.34	1.79	−12	−14	−16	+13	+ 3	+15	+ 6	+ 9	+10	+14		0	1.11
75302 H	15 23 09.02	+60 59 36.5	8.37	H	230.787 599 17	+60.993 477 49	A	7.32	−45.47	33.27	0.99	0.90	0.95	0.98	0.95	+19	−24	−14	+ 6	+ 0	− 3	+ 3	+17	−19	+16		1	−0.96
75303	15 23 09.17	+06 02 57.4	8.04	G	230.788 197 58	+06.049 268 24		14.46	−54.64	16.88	0.92	0.55	0.98	1.17	0.70	+16	−30	−19	+ 6	−16	−10	−18	− 6	+ 1	+ 7		0	1.85
75304	15 23 09.36	−36 51 30.4	4.54	H	230.789 013 74	−36.858 436 27		5.38	−18.05	−21.53	0.63	0.48	0.77	0.75	0.62	−12	−15	−29	+19	− 1	+ 9	+ 2	+15	+ 8	−11		0	0.63
75305 H	15 23 09.51	+72 57 53.6	9.03	H	230.789 608 11	+72.964 880 15	A	7.78	− 5.20	14.75	1.24	1.23	1.20	1.26	1.29	+18	−20	− 3	+ 3	+12	+ 0	+ 6	−17	− 9	−10		0	0.07
75306	15 23 09.54	−51 44 09.8	6.68	H	230.789 752 97	−51.736 046 99		1.63	− 7.43	− 5.74	0.65	0.58	0.79	0.79	0.73	− 5	−24	−10	+30	+ 7	− 3	+ 9	+36	−11	+ 8		0	−0.18
75307	15 23 10.33	+46 54 22.7	8.43	G	230.793 021 72	+46.906 315 47		7.18	−31.04	−22.43	0.65	0.70	0.81	0.86	0.90	+10	+10	− 4	−10	− 2	+13	− 4	−18	−12	− 7		0	−0.29
75308	15 23 10.60	−60 39 25.6	5.65	H	230.794 172 62	−60.657 108 65		24.00	−81.96	−27.74	0.53	0.48	0.75	0.59	0.64	+20	−37	−33	+ 8	+17	−13	+ 8	− 2	+19	−12		2	1.82
75309	15 23 10.77	−03 16 03.3	8.43	H	230.794 864 61	−03.267 593 84		2.90	1.70	− 3.09	1.01	0.82	1.19	1.21	1.06	−31	− 6	−27	+17	− 1	+ 2	+ 1	− 5	− 7	−31		0	3.23
75310	15 23 11.09	−10 29 12.3	8.39	H	230.796 218 51	−10.486 752 81		15.37	−24.52	−154.50	1.16	0.74	1.39	1.41	0.94	−36	−24	+ 7	+22	− 3	+40	+ 1	− 1	+ 1	−14		0	2.61
75311 H	15 23 11.60	−02 46 00.5	10.67	G	230.798 318 44	−02.766 805 81	A	17.10	− 1.41	2.35	5.87	5.07	6.97	7.04	6.50	−34	−33	−29	+22	−17	−30	−34	+15	+21	−45		0	−0.13
75312 H	15 23 12.23	+30 17 17.7	4.99	H	230.800 942 84	+30.288 241 14	A	53.70	125.77	−176.48	0.71	0.88	1.24	0.62	0.81	+42	−27	−30	+10	− 8	+ 3	− 9	− 1	+ 6	+11		18	2.11
75313	15 23 13.41	−49 09 45.8	9.91	H	230.805 858 54	−49.162 725 41		9.34	54.34	− 7.49	1.37	1.24	1.81	1.68	1.52	− 8	−23	−13	+22	+29	− 5	+26	+ 6	+17	+12		0	0.77
75314	15 23 13.62	−19 14 36.5	11.61	G	230.806 755 73	−19.243 460 38		13.41	−103.82	−167.05	2.61	2.30	3.33	3.02	2.88	−22	+ 1	−48	+ 1	+15	−19	+10	− 8	+18	−41		0	−1.28
75315	15 23 14.09	+10 25 58.1	10.16	H	230.808 691 89	+10.432 808 46		−2.07	− 5.81	4.00	1.78	1.20	2.04	3.15	1.80	− 3	−11	−10	+ 1	+ 5	− 4	+ 1	−34	− 5	−16		6	1.88
75316	15 23 15.55	−03 17 42.5	9.19	H	230.814 774 83	−03.295 144 25		5.79	2.05	− 4.67	1.19	0.97	1.40	1.47	1.29	−34	+ 0	−27	+18	+ 0	− 1	+ 1	− 8	− 3	−32		0	0.64
75317	15 23 15.57	+29 01 54.2	9.14	H	230.814 890 80	+29.031 712 65		17.18	−93.81	−38.96	0.71	0.96	1.47	0.65	1.14	+29	−24	−30	−34	−29	+19	−28	+13	+10	+17		0	2.47
75318	15 23 16.76	+07 02 46.4	9.41	H	230.819 827 54	+07.046 209 71		6.41	− 6.65	8.69	1.33	0.81	1.41	1.88	1.03	− 1	+14	+ 4	+29	− 7	+12	−10	−15	−24	− 4		4	1.07
75319	15 23 18.22	−32 18 48.2	7.76	H	230.825 924 76	−32.313 392 34		3.19	− 7.87	− 0.30	0.94	0.63	1.05	1.08	1.02	−28	−10	−19	+13	−14	+ 4	−17	+26	−10	−20		0	1.08
75320	15 23 20.70	−68 36 56.1	8.39	H	230.836 254 85	−68.615 583 80		7.84	−34.74	−20.65	0.50	0.67	0.95	0.58	0.81	+28	−14	+ 1	+ 3	+10	+ 6	+ 6	+29	+ 7	+37		0	1.57
75321	15 23 20.99	+14 02 42.7	8.36	G	230.837 475 41	+14.045 206 91		0.96	9.78	−10.66	0.73	0.69	1.00	0.78	0.88	−20	−19	− 5	−18	−20	+ 8	−22	− 3	+14	−49		0	0.41
75322	15 23 21.25	+31 48 42.4	8.05	H	230.838 544 30	+31.811 790 78		7.64	−38.91	16.77	0.47	0.57	0.86	0.52	0.62	+15	− 3	− 2	+12	+11	−22	+12	+20	−11	+ 5		1	1.13
75323 H	15 23 22.66	−59 19 14.5	4.48	1 H	230.844 407 33	−59.320 698 39	A	6.40	−10.29	−36.57	0.81	0.78	0.99	0.77	0.84	+26	−26	−18	+ 1	+19	−15	+14	−11	+16	+20		7	2.14
75324	15 23 25.00	−46 08 25.4	6.49	H	230.854 181 97	−46.140 392 93		6.59	−28.16	− 9.24	0.64	0.80	0.98	0.74	0.96	−45	+ 8	−55	+ 4	−10	−16	−15	+39	−17	−62		5	−0.64
75325	15 23 26.06	−06 36 36.7	7.29	2 G	230.858 575 37	−06.610 189 81		10.51	0.24	−123.20	0.95	0.62	1.00	1.04	0.76	− 7	−27	−14	+36	− 3	+17	+ 7	+15	−16	− 5		0	1.61
75326	15 23 26.09	+34 52 09.9	9.31	H	230.858 699 34	+34.869 423 81		7.08	17.75	−68.23	0.75	0.84	1.17	0.88	1.00	+26	− 9	−11	+ 0	+ 5	− 2	+ 5	+ 4	− 4	+21		0	0.20
75327	15 23 27.43	+61 35 06.1	8.08	H	230.864 279 95	+61.585 030 89		5.70	−81.00	72.85	0.57	0.59	0.62	0.67	0.68	+12	− 4	− 9	−11	+ 1	+ 3	+ 4	+30	−10	+ 5		0	−1.41
75328	15 23 27.91	+07 38 44.2	9.00	G	230.866 278 18	+07.645 608 42		3.53	−30.60	6.94	1.22	0.71	1.29	1.58	0.92	− 2	− 9	+ 2	+25	−14	+18	−17	−18	−19	−15		0	0.52
75329	15 23 29.33	−24 05 29.3	8.60	H	230.872 209 57	−24.091 465 18		4.24	− 4.27	− 4.98	1.15	0.93	1.55	1.46	0.99	− 3	−11	−56	+ 8	−11	+25	+ 5	− 7	+10	+12		3	1.23
75330	15 23 30.90	−16 33 50.5	7.63	G	230.878 737 31	−16.564 039 13		2.58	− 1.67	−26.63	0.95	0.77	1.27	1.04	0.86	− 8	−40	−47	+15	+22	−24	+ 7	−19	+13	−31		0	0.32
75331	15 23 31.31	−14 21 06.4	7.59	G	230.880 478 19	−14.351 768 13		15.66	171.80	−99.38	0.86	0.64	0.94	0.90	0.74	−28	−30	−12	+30	−19	+17	−14	+31	− 9	−29		0	−0.67
75332	15 23 32.86	−34 44 43.0	7.99	G	230.886 898 55	−34.745 291 09		12.53	−126.28	−119.38	0.85	0.70	1.02	0.97	1.04	−24	−28	−24	+20	−27	+17	−16	+44	−14	−49		0	−1.22
75333	15 23 33.37	−42 19 07.9	9.28	H	230.889 057 18	−42.318 852 87		5.57	− 6.95	−23.09	0.94	0.81	1.21	1.15	1.06	−17	−22	+ 1	+16	+ 6	+ 1	+ 5	+21	+ 4	− 3		0	1.40
75334	15 23 33.73	−12 17 43.1	9.62	G	230.890 537 69	−12.295 300 10		5.83	− 3.96	−19.63	1.41	0.98	1.54	1.95	1.26	−43	−13	+ 3	+17	−10	− 6	+ 0	− 7	+ 4	− 1		0	0.97
75335	15 23 35.96	−27 15 37.0	8.70	H	230.899 840 81	−27.260 283 40		8.65	−89.14	−102.39	1.22	0.85	1.52	1.82	1.30	+ 5	−12	−46	+ 9	− 9	+11	− 9	− 5	+32	+ 9		0	−0.07
75336	15 23 36.78	−49 46 57.8	8.78	1 H	230.903 235 83	−49.782 711 68		3.06	−31.21	−10.35	0.99	0.90	1.36	1.04	1.07	−17	−23	−16	+ 4	+18	−24	+15	− 1	+ 6	−12		0	1.43
75337	15 23 39.75	+30 50 29.9	10.45	G	230.915 607 47	+30.841 635 98		27.21	−142.02	30.81	0.81	1.02	1.60	0.90	1.27	+28	−11	− 4	−14	−10	+ 3	−10	− 5	+ 9	+18		1	1.14
75338	15 23 39.79	−66 14 17.7	9.79	H	230.915 807 11	−66.238 255 30		7.24	− 1.88	−59.48	0.88	1.14	1.80	0.90	1.34	+29	−13	−25	−14	−10	+ 7	−10	+16	+ 2	+24		0	2.48
75339 H	15 23 40.31	−49 48 18.8	10.03	H	230.917 948 00	−49.805 233 35	A	3.91	− 9.07	− 1.31	3.82	3.35	4.71	3.75	3.59	− 7	− 8	−34	+17	+14	−21	+ 8	+12	+16	+ 5		1	0.39
75340	15 23 41.54	+17 52 01.2	7.93	H	230.923 068 02	+17.866 990 86		5.15	− 18.72	− 9.11	0.74	0.67	1.04	0.92	1.06	−25	−13	−22	−10	−12	+14	−12	− 2	+21	−44		0	0.99
75341	15 23 42.84	−81 53 05.8	8.18	H	230.928 479 44	−81.884 935 11		1.48	− 0.37	− 4.57	0.62	0.61	0.78	0.56	0.69	+ 2	−35	+ 9	− 4	− 1	− 4	− 4	+13	+ 7	+ 8		0	−0.39
75342	15 23 43.67	−01 01 20.3	6.11	H	230.931 942 31	−01.022 315 11		18.20	76.73	−28.21	0.70	0.48	0.78	0.85	0.72	−17	−27	− 8	+30	−18	+ 2	−17	+18	−11	−21		0	0.28
75343	15 23 43.93	−27 57 06.5	8.94	G	230.933 023 03	−27.951 796 81		2.34	−12.77	− 8.80	1.17	0.71	1.43	1.31	1.20	+ 0	−29	−36	+26	+ 3	−10	−10	− 1	+33	−34		0	−1.54
75344	15 23 44.06	−72 28 36.8	9.15	H	230.933 567 46	−72.476 895 93		2.12	− 7.73	− 4.57	0.72	0.82	1.12	0.77	0.91	+ 7	−24	+15	−10	+ 4	−10	+ 1	+16	+ 4	+24		0	1.36
75345	15 23 47.37	+53 41 08.3	9.02	G	230.947 372 59	+53.685 632 21		3.19	−26.59	5.32	0.72	0.69	0.81	0.85	0.87	+10	−25	−11	+10	− 1	− 6	− 3	+ 8	+ 7	+ 4		1	−0.48
75346	15 23 47.75	+62 56 56.4	8.21	H	230.948 942 94	+62.949 008 37		7.36	− 5.59	14.11	0.57	0.60	0.65	0.62	0.72	+ 8	− 2	−11	−18	− 4	−21	− 2	+21	−20	− 1		1	1.45
75347	15 23 49.44	+18 05 17.8	9.20	H	230.956 020 12	+18.088 270 78		1.70	−13.42	−19.12	1.17	1.45	1.50	1.43	1.76	−53	+ 6	−34	−39	+32	+ 6	+28	−53	+28	−56		0	−0.23
75348	15 23 49.75	+23 09 03.3	10.24	H	230.957 275 52	+23.150 913 75		4.04	2.74	− 2.12	1.03	1.12	1.71	1.27	1.59	−19	+ 0	+ 5	+ 5	− 9	− 1	−14	−10	−15	−40		4	1.41
75349	15 23 51.10	−57 19 50.3	6.78	H	230.962 928 59	−57.330 635 61		0.57	− 1.97	− 4.07	0.62	0.60	0.91	0.90	0.85	− 1	+10	− 6	− 8	+ 6	−40	+ 4	+ 0	+17	+15		2	−0.98
75350	15 23 51.82	+25 17 06.3	8.26	H	230.965 913 03	+25.285 084 33		7.71	− 9.36	−10.52	0.76	0.72	1.05	0.87	1.12	−18	−22	+ 9	+50	+16	−24	+ 6	− 3	+ 4	−55		0	0.22
75351	15 23 52.07	−44 57 19.5	8.40	H	230.966 941 80	−44.955 405 82		0.93	3.30	− 3.87	0.92	0.76	1.26	1.05	0.87	−24	+ 2	−29	−10	+25	−33	+15	+ 9	−12	+ 2		2	2.60
75352	15 23 52.26	−12 22 09.9	5.72	G	230.967 756 54	−12.369 412 86		5.41	−37.69	−36.45	0.69	0.48	0.77	0.92	0.64	−38	−10	− 3	+12	−14	+16	− 9	+ 6	−14	− 7		0	1.20
75353	15 23 52.71	+58 41 50.7	8.56	H	230.969 636 11	+58.697 412 14		3.24	−24.34	27.81	0.61	0.65	0.71	0.63	0.77	+ 6	− 4	−16	−30	−11	+ 9	−11	−27	+15	−11		1	−0.22
75354	15 23 53.58	+11 35 55.1	8.91	H	230.973 252 09	+11.598 635 12		7.28	−34.03	21.54	1.12	0.72	1.15	1.22	0.98	+10	−20	− 7	+35	+ 9	+ 1	− 2	− 9	+ 6	−16		0	0.52
75355	15 23 58.26	−45 41 58.9	9.12	H	230.992 753 57	−45.699 699 66		2.33	− 3.02	5.69	1.01	0.95	1.41	1.04	1.11	−29	−13	−38	− 7	+16	−23	+13	+10	−10	−40		0	1.54
75356	15 23 58.44	+13 21 53.4	8.40	H	230.993 513 48	+13.364 828 00		1.78	16.77	− 5.47	1.20	0.70	1.23	1.31	0.98	+ 1	−39	+11	+37	−11	− 5	−25	+ 7	+23	−14		0	−0.43
75357	15 23 58.63	+25 03 59.5	8.67	1 H	230.994 307 42	+25.066 532 16		3.07	−40.57	10.62	0.77	0.85	1.23	0.89	1.31	−36	−13	+ 8	+34	+ 4	− 8	− 5	− 7	−14	−66		0	−0.30
75358	15 23 59.16	+38 43 32.2	10.69	H	230.996 517 19	+38.725 617 80		0.49	0.29	1.43	1.07	1.12	1.45	1.28	1.29	+13	+ 1	−10	+ 4	+ 1	− 6	− 1	− 1	− 9	− 2		0	1.93
75359	15 23 59.30	+22 17 58.4	9.23	H	230.997 067 51	+22.299 552 93		−0.61	−16.39	8.54	0.79	0.88	1.29	0.98	1.30	−35	+ 0	+ 5	+23	−11	+ 2	−16	+ 1	−10	−50		0	−0.73
75360	15 23 59.32	−50 52 27.4	8.35	H	230.997 174 77	−50.874 274 86		4.14	7.49	−21.68	0.82	0.77	1.12	0.89	0.96	−10	−18	−16	− 3	−10	−21	−11	+22	−25	+ 0		0	−0.18
75361	15 24 00.11	+08 54 20.9	7.30	H	231.000 457 27	+08.905 809 27		3.46	0.35	13.09	1.03	0.62	1.23	1.23	0.92	+ 7	−48	−18	+ 7	+12	−27	−14	−38	+27	−33		0	−0.59
75362 H	15 24 00.29	−75 12 42.6	8.09	H	231.001 201 17	−75.211 827 09	A	3.68	−13.65	−11.35	1.68	1.89	2.10	1.73	2.22	+20	− 9	+18	−25	− 4	− 2	− 2	− 3	− 8	+19		6	1.61
75363	15 24 02.43	−27 18 18.4	7.52	H	231.010 123 40	−27.305 114 55		35.34	− 3.15	−45.06	1.09	0.62	1.23	1.47	1.08	+ 7	−19	−32	−14	− 6	−13	−19	−11	+31	+ 0		0	−0.16
75364	15 24 02.60	−56 40 34.0	8.76	G	231.010 820 76	−56.676 118 00		6.56	−45.93	−38.70	0.92	0.88	1.25	1.41	1.39	− 5	+24	+ 2	− 4	+ 6	−35	+ 6	+21	+ 0	+ 5		0	−0.65
75365	15 24 03.64	−09 04 34.9	11.44	G	231.015 167 56	−09.076 357 38		10.60	−153.69	−209.29	3.23	2.18	3.94	3.82	3.14	−31	−24	−17	+13	− 7	+24	− 4	− 1	+ 4	−37		0	1.50
75366	15 24 04.21	+58 51 10.8	8.96	H	231.017 544 37	+58.853 003 98		2.60	−12.40	− 8.63	0.64	0.72	0.77	0.66	0.82	+ 8	− 2	−23	−28	−10	+ 3	−11	−25	+14	− 7		2	0.95
75367	15 24 04.28	−41 09 41.5	10.26	H	231.017 823 00	−41.161 529 64		7.55	−21.54	−18.08	1.31	1.03	1.77	1.62	1.29	−12	−18	−19	+19	+20	−23	+19	+13	− 5	+ 7		2	0.85
75368	15 24 04.98	−14 18 36.6	7.54	H	231.020 751 23	−14.310 154 94		4.50	− 3.42	−26.62	0.80	0.60	0.89	0.84	0.68	−16	−32	−17	+21	−10	+14	− 3	+20	−12	−21		0	−1.27
75369	15 24 05.13	+45 16 15.7	6.07	H	231.021 367 99	+45.271 025 37		6.76	−14.52	2.34	0.44	0.45	0.54	0.48	0.52	+ 6	+ 7	− 4	− 2	− 5	+ 0	− 6	− 2	−18	− 7		0	0.29
75370	15 24 05.35	+66 33 14.4	8.73	G	231.022 312 34	+66.554 002 33		21.91	−267.26	−33.46	1.46	1.48	1.59	1.47	1.59	+11	− 6	−26	−26	+ 6	−17	+ 3	−17	+ 1	+ 2		0	
75371	15 24 06.56	+48 46 13.8	9.43	H	231.027 328 64	+48.770 491 89		3.59	43.89	−38.23	0.89	0.86	1.03	1.17	1.09	+ 0	− 7	+18	+20	−11	+ 0	−10	+19	− 8	+13		0	0.93
75372	15 24 06.72	−36 01 01.0	8.73	H	231.028 020 82	−36.016 940 36		3.47	−11.91	−30.88	0.97	0.73	1.15	1.11	1.08	−19	−29	−21	+ 1	−21	+ 8	−21	+31	+ 3	−30		0	1.68
75373	15 24 07.01	+36 52 00.7	10.63	2 H	231.029 206 61	+36.866 859 20		2.53	−12.88	−12.19	1.03	1.15	1.53	1.14	1.44	+22	+ 4	+ 2	+ 2	+ 4	+15	+ 4	+ 1	+18	+25		0	0.96
75374	15 24 08.80	−34 02 14.5	9.24	H	231.036 660 00	−34.037 350 97		6.12	8.08	− 1.73	1.12	0.90	1.44	1.46	1.25	−33	− 1	−20	+19	− 9	+28	− 3	+26	− 9	−18		2	0.41
75375	15 24 09.04	+02 20 44.0	9.74	H	231.037 666 33	+02.345 560 49		6.78	− 2.99	9.77	1.35	0.86	1.50	1.50	1.24	+ 3	−30	−12	+19	− 9	+ 4	−14	+ 3	+ 0	−20		0	1.21
75376	15 24 10.38	−20 50 32.7	9.18	H	231.043 263 24	−20.842 413 99		3.93	− 2.83	15.92	1.38	1.10	1.59	1.77	1.47	−12	+13	−38	+ 3	− 3	− 1	− 2	+10	+ 9	−14		0	0.28
75377	15 24 11.31	−62 40 37.5	9.19	G	231.047 139 83	−62.677 093 06		1.55	− 3.81	− 3.61	0.66	0.89	1.37	0.80	1.13	− 3	−30	−13	+26	+26	−23	+27	+13	−11	+ 6		0	1.51
75378	15 24 11.34	−22 43 26.2	8.71	H	231.047 252 45	−22.723 949 33		1.35	− 8.46	−26.53	1.21	0.81	1.38	1.69	1.19	− 6	+ 1	− 8	−24	−19	−15	−25	+ 1	−42	+30		0	1.15
75379	15 24 11.93	−10 19 18.8	4.92	H	231.049 708 89	−10.321 894 76	+	30.90	−68.52	−152.65	2.65	2.01	0.99	1.64	0.83	+ 9	+22	− 1	+70	+24	+32	+14	+52	− 3	+21		0	1.87
75380	15 24 13.42	−37 33 59.1	8.24	H	231.055 896 23	−37.566 429 23		2.19	−13.20	− 2.99	1.04	0.69	1.15	1.59	1.08	+ 5	− 3	−28	−15	−10	−11	−21	+15	−20	+40		0	0.94
75381	15 24 14.22	−63 01 25.4	8.97	H	231.059 256 79	−63.023 719 98		2.25	− 6.69	− 8.56	0.69	0.98	1.37	0.88	1.26	− 7	−23	−11	+16	+25	−21	+25	+22	−14	− 1		0	1.03
75382	15 24 14.59	+10 33 17.7	7.36	G	231.060 783 49	+10.554 907 44		5.97	− 0.53	2.20	0.87	0.55	0.96	1.54	0.83	+ 7	−13	−11	+ 3	−12	− 6	−12	−24	+ 2	+ 2		0	1.33
75383 H	15 24 15.86	−66 24 37.4	8.81	H	231.066 078 42	−66.410 392 40	A	12.56	20.61	− 5.57	1.05	1.32	1.87	0.98	1.53	+29	− 6	− 2	−24	−10	− 9	− 9	+17	+ 1	+22		2	0.50
75384	15 24 16.15	+24 02 38.0	8.98	H	231.067 300 41	+24.043 896 18		2.05	3.59	10.21	0.91	0.83	1.27	1.05	1.14	−12	− 6	− 6	+19	−21	− 6	−27	+ 5	− 6	−34		2	0.77
75385	15 24 16.28	−04 20 46.8	9.38	G	231.067 815 94	−04.346 325 68		7.68	−67.55	−44.31	1.17	1.02	1.64	1.53	1.18	−18	−12	−53	+ 9	−15	+22	− 4	−10	+ 3	−24		0	0.70
75386	15 24 16.53	−87 42 42.9	7.50	H	231.068 889 00	−87.711 924 73		7.98	−39.54	−43.97	0.53	0.55	0.64	0.64	0.67	+11	+ 6	+17	+ 8	+ 0	−14	+ 1	+16	− 6	+26		0	−1.66
75387	15 24 16.99	−05 36 23.7	10.12	H	231.070 776 30	−05.606 592 60		21.77	57.27	− 3.11	1.72	1.17	1.81	2.01	1.51	− 6	−19	− 8	+35	+ 2	+ 5	+12	+ 1	−30	+ 3		0	1.52
75388	15 24 17.96	+09 05 15.3	7.74	H	231.074 822 18	+09.087 581 17		5.41	7.14	−44.97	1.03	0.66	1.17	1.40	0.92	− 6	−31	− 8	+ 0	+16	−29	+ 5	−45	+12	−26		0	0.25
75389	15 24 18.38	+60 32 56.3	7.33	H	231.076 569 47	+60.548 969 68	+	19.69	−357.89	176.64	1.72	1.59	1.16	0.63	0.63	+23	− 8	− 5	+15	+22	+13	+ 2	+17	−44	− 9		0	0.13
75390	15 24 18.60	+38 11 16.6	7.57	H	231.077 483 82	+38.187 952 38		10.05	−130.73	−104.03	0.53	0.57	0.73	0.63	0.70	+ 4	− 4	− 1	+14	− 3	+ 1	− 5	− 3	− 5	−11		0	2.82
75391	15 24 19.18	−09 14 02.3	9.99	H	231.079 910 23	−09.233 977 23		4.57	13.48	− 9.30	1.58	1.16	1.85	1.78	1.61	−33	−27	−13	+ 9	− 2	+ 9	− 2	− 5	+ 3	−41		0	−0.34
75392 H	15 24 19.36	+02 47 50.0	8.34	H	231.080 666 69	+02.797 233 34	A	9.22	−36.14	−38.21	1.52	0.90	1.43	1.72	1.13	+20	−18	−12	+32	− 1	+ 3	−20	−10	+13	−24		2	0.49
75393	15 24 19.78	−22 54 39.7	8.47	3 H	231.082 421 27	−22.911 038 26	*	1.74	15.93	−15.25	1.92	1.27	2.06	2.81	1.91	− 6	− 2	− 3	−28	− 8	−10	−12	+ 0	+ 1		0	1.09
75394	15 24 19.85	+08 28 53.7	7.05	G	231.082 707 43	+08.481 588 04		6.43	−12.88	−14.03	0.99	0.56	1.11	1.07	0.77	+ 2	−48	− 1	+14	+ 4	−17	−11	−30	+17	−20		0	−1.03
75395	15 24 20.18	−52 42 56.0	7.48	H	231.084 085 33	−52.715 550 21		1.22	− 2.49	− 1.56	0.72	0.62	0.90	0.75	0.75	− 5	−27	− 5	+ 5	+ 1	+ 0	+ 4	+32	− 9	− 4		4	2.05
75396 H	15 24 21.01	−05 05 55.5	8.73	H	231.087 545 19	−05.098 763 03	A	3.34	−19.70	− 1.00	1.69	1.29	1.79	1.85	1.45	+ 1	−24	−45	+11	−11	− 5	−22	− 1	+12	− 7

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
75301	11.362	0.164	10.443	0.102		0.814	0.144	T	0.84	0.10	L	10.4466	0.0043	0.026	75		10.40	10.50		C			1							G
75302	8.981	0.013	8.481	0.012	A	0.200	0.495	G	0.51	0.03	L *	8.4676	0.0013	0.011	120	*	8.45	8.49		D	15232+6100	I 1	2 C	A	AB	285	1.493	0.009	2.07	0.04	S
75303	8.662	0.013	8.101	0.012		0.526	0.015	G	0.60	0.02	H	8.1512	0.0014	0.010	76		8.13	8.17		C			1							S
75304	4.342	0.002	4.505	0.002		−0.155	0.012	G	−0.16	0.02	A	4.4867	0.0008	0.004	73		4.48	4.50					1							S
75305	9.554	0.015	9.118	0.016	A	1.200	0.495	G	0.50	0.05	L *	9.1251	0.0014	0.016	125	*	9.10	9.15		D	15232+7258	I 1	2 C	A	AB	220	1.323	0.028	2.77	0.10	S
75306	8.159	0.009	6.808	0.005		1.145	0.008	T	1.11	0.01	L	6.8499	0.0012	0.010	85		6.84	6.87					1							S
75307	9.063	0.013	8.464	0.012		0.536	0.022	G	0.61	0.02	H	8.5369	0.0022	0.015	105		8.51	8.56					1							S
75308	6.214	0.004	5.704	0.003		0.489	0.004	T	0.56	0.00	L	5.7571	0.0008	0.007	100		5.74	5.77					1							S
75309	9.779	0.037	8.520	0.023		1.073	0.034	T	1.04	0.03	L	8.5972	0.0021	0.012	56		8.57	8.62		C			1							
75310	9.117	0.025	8.419	0.022		0.644	0.027	T	0.71	0.02	L	8.5194	0.0015	0.011	62		8.50	8.54		C			1							S
75311						0.754	0.015	G	0.80	0.01	H *	10.6443	0.0049	0.029	51	*	10.60	10.71		D	15232−0246	I 1	2 C	A	AB	141	3.247	0.012	0.18	0.04	G
75312	5.706	0.003	5.082	0.004	*	0.577	0.004	T	0.65	0.00	L *	5.1117	0.0004	0.006	229	*	5.10	5.12		D	15233+3018	I 1	2 C	A	AB	30	1.034	0.002	0.29	0.01	S
75313	10.773	0.045	9.958	0.035		0.736	0.044	T	0.78	0.03	L	10.0545	0.0040	0.028	87		9.99	10.09					1							G
75314						1.109	0.015	G	1.19	0.02	I	11.7601	0.0085	0.048	59		11.55	11.87					1							G
75315	10.781	0.063	10.021	0.048		0.693	0.062	T	0.75	0.05	L	10.2868	0.0041	0.024	63		10.24	10.33		C			1							
75316	9.894	0.036	9.293	0.033		1.081	0.015	G	1.04	0.01	H	9.3524	0.0031	0.020	60		9.32	9.39		C			1							S
75317	10.091	0.019	9.195	0.014		0.782	0.018	T	0.82	0.01	L	9.2847	0.0019	0.028	179		9.24	9.33					1							
75318	10.753	0.057	9.527	0.031		1.047	0.051	T	1.02	0.04	L	9.5811	0.0040	0.024	77		9.54	9.62					1	S						
75319	10.094	0.030	7.983	0.011		1.746	0.026	T	1.77	0.03	L	7.8572	0.0023	0.015	93		7.83	7.88					1							
75320	8.777	0.010	8.418	0.010		0.349	0.012	T	0.41	0.02	L	8.4778	0.0015	0.017	220		8.45	8.50					1							
75321	10.012	0.021	8.489	0.011		1.330	0.015	G	1.29	0.02	H	8.5097	0.0018	0.017	129		8.48	8.54					1							
75322	8.426	0.007	8.073	0.007		0.335	0.009	T	0.39	0.01	L	8.1306	0.0012	0.016	208		8.11	8.16					1							S
75323	4.726	0.004	4.550	0.006	*	0.169	0.007	T	0.18	0.01	L *	4.5370	0.0023	0.022	128	*	4.50	4.56		U 2 C	15234−5919	I 1	2 C	A	AB	18	0.836	0.002	0.88	0.01	S
75324	7.696	0.008	6.602	0.005		0.945	0.007	T	0.94	0.01	L	6.6547	0.0010	0.008	84		6.64	6.67		C			1							S
75325	8.690	0.018	7.474	0.012		1.051	0.015	G	1.02	0.01	H	7.4899	0.0069	0.061	53		7.45	7.60	11.12	P 1 A			1							S P
75326	10.015	0.020	9.332	0.017		0.631	0.022	T	0.70	0.02	L	9.4380	0.0027	0.028	176		9.40	9.50					1							S
75327	9.290	0.015	8.179	0.010		0.958	0.014	T	0.95	0.01	L	8.2422	0.0014	0.011	107		8.23	8.27		C			1							S
75328	8.857	0.017	8.987	0.023		−0.096	0.017	G	−0.08	0.02	H	8.9634	0.0019	0.016	71		8.94	8.99		D			1							
75329	8.816	0.015	8.630	0.017		0.178	0.021	T	0.20	0.02	L	8.6624	0.0022	0.011	54		8.64	8.68		C			1							
75330	9.433	0.023	7.782	0.011		1.390	0.015	G	1.41	0.03	C	7.7665	0.0012	0.008	56		7.75	7.78		C			1							S
75331	8.993	0.015	7.702	0.009		1.076	0.002	G	1.14	0.00	I	7.7444	0.0013	0.010	78		7.73	7.76		C			1							S
75332	8.743	0.012	8.060	0.010		0.624	0.015	G	0.69	0.01	H	8.1254	0.0022	0.017	83		8.10	8.15					1							S
75333	9.712	0.020	9.329	0.022		0.363	0.028	T	0.42	0.03	L	9.3678	0.0020	0.019	90		9.34	9.41		C			1							
75334	10.283	0.034	9.713	0.032		0.585	0.020	G	0.66	0.02	H	9.7533	0.0031	0.025	78		9.71	9.79		C			1							
75335	9.292	0.021	8.756	0.020		0.510	0.022	T	0.58	0.02	L	8.8105	0.0022	0.012	52		8.79	8.83		C			1							
75336	10.252	0.032	8.903	0.018		1.143	0.029	T	1.11	0.03	L	8.9462	0.0028	0.024	84		8.90	8.98		U	15236−4947	I 1	1							
75337	12.126	0.102	10.600	0.042		1.440	0.015	G	1.77	0.04	I	10.6303	0.0030	0.038	250		10.57	10.69					1							
75338	10.494	0.026	9.834	0.024		0.602	0.027	T	0.67	0.02	L	9.9137	0.0029	0.035	235		9.85	9.98					1							G
75339	10.612	0.043	10.084	0.044	A	0.363	0.107	G	0.42	0.12	R *	10.1115	0.0034	0.025	89	*	10.06	10.17		C	15237−4948	I 1	2 C	B	AB	350	2.785	0.043	2.27	0.19	G
75340	8.406	0.014	7.979	0.011		0.400	0.001	G	0.47	0.00	H	8.0257	0.0019	0.016	106		7.99	8.06					1							S
75341	10.452	0.029	8.388	0.010		1.708	0.024	T	1.73	0.03	L	8.2783	0.0015	0.016	147		8.25	8.31					1							
75342	6.423	0.004	6.137	0.004		0.264	0.004	G	0.28	0.03	C	6.1824	0.0011	0.007	77		6.17	6.20		C			1							S
75343	9.329	0.020	8.971	0.022		0.407	0.015	G	0.47	0.02	H	9.0276	0.0022	0.016	73		9.00	9.06					1							
75344	10.847	0.038	9.315	0.017		1.287	0.033	T	1.25	0.03	L	9.3083	0.0022	0.025	164		9.27	9.36					1	S						
75345	9.527	0.020	9.047	0.020		0.420	0.015	G	0.49	0.02	H	9.1134	0.0019	0.019	106		9.08	9.15		C			1							
75346	8.736	0.012	8.260	0.011		0.448	0.015	T	0.52	0.02	L	8.3113	0.0010	0.011	101		8.29	8.33		C			1							S
75347	10.624	0.042	9.343	0.024		1.090	0.038	T	1.05	0.04	L	9.3698	0.0022	0.021	94		9.34	9.41					1	G						
75348	11.496	0.072	10.277	0.041		1.042	0.065	T	1.01	0.05	L	10.4089	0.0031	0.036	116		10.33	10.47					1							
75349	8.308	0.009	6.907	0.008		1.189	0.053	G	1.14	0.02	A	6.9422	0.0007	0.007	80		6.93	6.96		D			1							S
75350	8.763	0.009	8.295	0.009		0.441	0.012	T	0.51	0.01	L	8.3570	0.0015	0.014	142		8.34	8.38					1							S
75351	9.925	0.032	8.548	0.018		1.165	0.029	T	1.13	0.03	L	8.5701	0.0019	0.019	91		8.53	8.61					1							
75352	7.036	0.006	5.833	0.003		1.039	0.001	G	1.01	0.00	H	5.8828	0.0009	0.008	87		5.87	5.90		C			1							S
75353	8.942	0.014	8.545	0.014		0.376	0.018	T	0.44	0.02	L	8.6481	0.0015	0.014	109		8.62	8.67		C			1							S
75354	9.503	0.024	8.978	0.023		0.493	0.030	T	0.57	0.03	L	9.0186	0.0019	0.020	82		8.99	9.06					1							
75355	10.390	0.033	9.215	0.021		1.008	0.030	T	0.98	0.02	L	9.2800	0.0031	0.019	95		9.24	9.32					1							
75356	9.588	0.025	8.533	0.018		0.960	0.015	G	0.95	0.01	H	8.5680	0.0037	0.017	62		8.53	8.60					1							S
75357	10.274	0.024	8.816	0.013		1.229	0.021	T	1.19	0.02	L	8.8320	0.0017	0.018	136		8.79	8.87		U			1							S
75358	12.262	0.161	10.779	0.066		1.249	0.137	T	1.21	0.14	L	10.8509	0.0032	0.036	138		10.79	10.92					1							G
75359	11.300	0.066	9.396	0.021		1.581	0.055	T	1.60	0.06	L	9.3468	0.0027	0.023	113		9.30	9.39					1							
75360	9.843	0.024	8.505	0.014		1.135	0.022	T	1.10	0.02	L	8.5197	0.0013	0.015	93		8.50	8.55		C			1							
75361	9.229	0.018	7.445	0.009		1.486	0.016	T	1.51	0.02	L	7.4276	0.0010	0.009	77		7.41	7.44		D			1							S
75362	8.110	0.011	8.014	0.013	*	0.094	0.016	T	0.11	0.02	L *	8.1252	0.0016	0.015	135	*	8.09	8.15		D	15240−7513	I 1	2 C	A	AB	119	5.022	0.004	0.21	0.02	S
75363	8.420	0.018	7.603	0.010		0.721	0.016	T	0.77	0.01	L	7.6590	0.0015	0.011	57		7.65	7.69			15240−2718	I 1	1							S
75364	9.298	0.022	8.802	0.021		0.538	0.015	G	0.61	0.02	H	8.8723	0.0022	0.022	78		8.84	8.91					1							
75365						1.164	0.005	G	1.27	0.01	I	11.5720	0.0073	0.048	56		11.48	11.65					1							G
75366	10.273	0.049	9.116	0.032		0.993	0.046	T	0.97	0.04	L	9.1271	0.0017	0.015	108		9.10	9.16					1							
75367	10.714	0.050	10.261	0.054		0.427	0.067	T	0.49	0.07	L	10.3547	0.0029	0.022	81		10.31	10.39					1							G
75368	8.867	0.015	7.651	0.010		1.039	0.014	T	1.01	0.01	L	7.7040	0.0016	0.011	76		7.69	7.72		C			1							S
75369	7.629	0.006	6.192	0.003		1.212	0.005	T	1.17	0.01	L	6.2286	0.0008	0.008	131		6.22	6.25					1							S
75370	9.586	0.020	8.814	0.016		0.685	0.005	G	0.74	0.00	H	8.8735	0.0017	0.014	95		8.85	8.91					1	X						
75371	9.926	0.021	9.474	0.021		0.426	0.027	T	0.49	0.03	L	9.5255	0.0022	0.028	122		9.47	9.58		C			1							S
75372	9.838	0.032	8.850	0.023		0.853	0.031	T	0.87	0.02	L	8.8700	0.0021	0.018	77		8.84	8.90					1							
75373	10.862	0.047	10.634	0.060		0.218	0.072	T	0.24	0.08	L	10.6967	0.0222	0.176	130		10.41	10.86	0.10	P 1 A			1	S						G P
75374	10.336	0.033	9.341	0.023		0.859	0.031	T	0.87	0.02	L	9.3844	0.0032	0.019	75		9.35	9.42		C			1							
75375	10.223	0.030	9.799	0.032		0.435	0.015	G	0.50	0.02	H	9.8388	0.0032	0.025	99		9.79	9.89		C			1							
75376	10.464	0.045	9.300	0.027		0.999	0.041	T	0.98	0.03	L	9.3482	0.0028	0.018	56		9.31	9.38		C			1	S						
75377	9.623	0.016	9.325	0.018		0.343	0.005	G	0.40	0.01	H	9.2832	0.0024	0.030	162		9.24	9.35					1							
75378	10.743	0.062	8.891	0.023		1.540	0.052	T	1.59	0.11	L	8.8311	0.0024	0.017	55		8.81	8.86					1							
75379	5.452	0.003	4.971	0.002		0.453	0.003	T	0.52	0.00	L	5.0175	0.0005	0.004	66		5.01	5.03					1	O						S
75380	9.546	0.022	8.348	0.014		1.025	0.020	T	1.00	0.02	L	8.4075	0.0017	0.010	72		8.38	8.42					1							
75381	10.305	0.026	9.143	0.016		0.997	0.024	T	0.98	0.02	L	9.1344	0.0018	0.024	161		9.09	9.17			15242−6301	I 1	1	S						
75382	7.582	0.008	7.378	0.008		0.180	0.020	G	0.20	0.02	H	7.4161	0.0010	0.011	73		7.40	7.44					1							S
75383	9.489	0.013	8.891	0.012	A	0.600	0.495	G	0.59	0.04	L *	8.9232	0.0022	0.028	239	*	8.88	8.97			15243−6625	I 1	2 C	B	AB	125	5.526	0.035	3.53	0.19	
75384	10.277	0.029	9.081	0.018		1.050	0.020	G	1.02	0.02	I	9.1282	0.0025	0.020	110		9.08	9.17					1							
75385	10.151	0.040	9.447	0.034		0.637	0.015	G	0.70	0.01	H	9.5107	0.0026	0.017	58		9.48	9.54					1							
75386	8.658	0.010	7.614	0.007		0.907	0.009	T	0.91	0.01	L	7.6631	0.0010	0.012	131		7.64	7.69		C			1							S
75387	11.243	0.086	10.180	0.057		0.900	0.015	G	0.94	0.02	I	10.2678	0.0050	0.027	64		10.22	10.31					1							
75388	9.239	0.019	7.868	0.011		1.161	0.017	T	1.12	0.01	L	7.9108	0.0014	0.012	77		7.89	7.93					1							S
75389	8.341	0.009	7.426	0.007		0.794	0.002	G	0.83	0.00	H	7.4797	0.0009	0.009	129		7.46	7.49					1	O						S
75390	8.794	0.010	7.676	0.007		0.963	0.010	T	0.95	0.01	L	7.7307	0.0010	0.011	132		7.71	7.75		C			1							S
75391	10.540	0.051	9.933	0.045		0.566	0.060	T	0.64	0.06	L	10.1141	0.0035	0.029	68		10.08	10.17					1							
75392	8.917	0.013	8.403	0.012	*	0.483	0.016	T	0.55	0.02	L *	8.4488	0.0018	0.015	90	*	8.42	8.47			15243+0248	H 1	2 C	A	AB	4	0.608	0.012	3.06	0.07	S
75393						1.500	0.510	G	1.93	0.56	K	8.5538	0.2419	1.153	57		7.27	10.00	221.40	P 1 B			1	V						P
75394	7.978	0.008	7.151	0.008		0.764	0.015	G	0.80	0.01	H	7.1973	0.0014	0.009	76		7.18	7.21		C			1							S
75395	9.477	0.019	7.619	0.009		1.580	0.015	G	1.55	0.01	J	7.6013	0.0011	0.011	84		7.58	7.62					1							
75396	10.241	0.038	8.893	0.021	A	1.200	0.495	G	1.17	0.05	L *	8.8965	0.0021	0.022	66	*	8.86	8.93		D	15243−0506	I 1	2 C	A	AB	241	1.693	0.021	2.85	0.08	
75397	7.510	0.007	7.342	0.007		0.174	0.015	G	0.19	0.02	H	7.3741	0.0010	0.009	92		7.36	7.39					1							S
75398	11.303	0.112	10.261	0.068		1.022	0.004	G	1.07	0.01	I	10.1753	0.0037	0.024	51		10.14	10.22		C			1							G
75399	10.642	0.032	9.078	0.015		1.312	0.028	T	1.27	0.03	L	9.1325	0.0021	0.020	130		9.09	9.17		C			1							
75400	9.726	0.029	8.340	0.016		1.172	0.026	T	1.13	0.02	L	8.3442	0.0016	0.014	83		8.31	8.37					1							

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%) δ α*	π α*	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
75401	15 24 22.20	+57 23 05.3	9.88	H	231.092 504 43	+57.384 817 88	21.11	−173.87	−326.78	2.01	1.86	2.20	2.00	2.05	+ 5	− 8	−22	−32	− 6	− 3	− 8	−29	+ 7	−37	1	
75402	15 24 23.16	+73 56 55.9	8.76	H	231.096 506 48	+73.948 865 89	6.88	11.56	−10.43	0.69	0.61	0.71	0.66	0.67	− 4	−29	−12	+ 1	+14	− 3	+16	+ 8	− 8	+ 5	0	1.55
75403	15 24 26.14	−24 52 26.3	9.97	G	231.108 910 57	−24.873 963 56	4.78	−7.96	−6.35	1.39	1.16	1.85	1.57	1.26	−14	−20	−45	− 2	+ 6	+12	+ 9	−22	+23	−13	0	0.38
75404 H	15 24 26.30	−31 30 18.2	9.50	H	231.109 574 73	−31.505 051 68 A	6.64	−38.92	−21.47	4.12	2.49	3.90	4.69	3.36	−14	+ 8	+ 2	+ 8	+ 3	− 6	+ 0	+ 5	−38	+32	1	0.41
75405	15 24 27.06	−34 59 58.5	9.45	H	231.112 739 31	−34.999 592 17	0.44	− 6.93	−11.01	1.29	0.82	1.57	1.20	1.17	− 3	−43	−26	+10	− 8	+17	+12	+26	−30	−31	0	0.29
75406 H	15 24 27.41	−46 44 39.4	10.15	H	231.114 193 66	−46.744 264 47 A	−22.84	−15.83	13.77	7.64	7.08	8.16	7.20	7.50	−39	+ 8	−35	+11	− 5	+ 4	− 1	+36	−18	−43	5	4.36
∗75407	15 24 28.35	+81 53 41.8	7.72	H	231.118 145 30	+81.894 956 12	25.56	197.90	34.48	0.53	0.60	0.61	0.56	0.70	−10	−10	−16	+ 8	−17	− 2	−17	+24	− 2	−24	0	−2.55
∗75408	15 24 28.39	−25 45 46.0	8.50	1 G	231.118 271 77	−25.762 779 81	7.28	− 5.27	2.60	1.35	1.09	1.82	1.57	1.31	−13	−33	−45	−11	+21	−11	+ 4	−38	+40	−20	0	2.51
∗75409	15 24 28.34	+08 53 37.6	9.57	G	231.118 091 49	+08.893 769 18	7.20	−22.70	11.09	1.62	0.99	1.85	1.88	1.36	−11	−43	− 2	+ 4	+17	− 7	+ 1	−45	+ 7	−40	0	0.47
75410	15 24 28.76	−59 45 05.8	8.49	H	231.119 837 18	−59.751 618 82	2.41	− 0.73	− 3.45	0.84	0.74	1.21	0.88	0.90	+19	−30	−38	−14	+29	−26	+18	−21	+26	−16	0	−0.12
75411	15 24 29.54	+37 22 37.1	4.31	G	231.123 067 62	+37.376 960 91	26.96	−147.68	84.69	0.49	0.56	0.65	0.88	1.11	+ 2	−16	−30	− 7	+ 6	+10	+18	−28	+ 0	+33	2	−0.82
75412	15 24 29.63	+16 40 58.2	8.54	H	231.123 471 54	+16.682 822 27	4.33	− 5.70	8.80	0.98	0.75	1.12	1.10	0.99	− 1	+ 2	+17	−49	−31	−13	−34	−19	− 1	− 8	0	−1.65
75413	15 24 29.91	+15 20 11.3	9.63	H	231.124 644 63	+15.336 480 78	11.55	−115.67	− 4.76	1.22	0.89	1.50	1.33	1.07	+ 0	−34	− 5	−26	−23	+33	−22	+ 7	+ 9	−16	2	0.93
75414	15 24 29.98	−19 57 49.4	8.01	H	231.124 925 99	−19.963 734 89	1.48	− 4.98	− 1.76	0.95	0.78	1.21	1.24	1.06	−14	− 3	−49	− 8	+12	−15	+ 5	−16	+26	−23	0	0.60
∗75415 H	15 24 30.97	+37 20 49.5	6.51	G	231.129 040 66	+37.347 093 37 B	26.82	−140.95	84.97	0.77	0.85	0.89	0.78	0.87	+15	+ 7	−13	+ 1	+ 1	−18	+ 0	− 8	− 8	+26	3	0.64
∗75416 H	15 24 30.97	−13 22 15.1	10.27	H	231.129 038 90	−13.370 855 35 A	26.94	−123.95	−14.17	8.30	4.05	3.14	3.12	3.01	−74	− 3	− 9	− 1	+ 1	− 6	− 1	− 6	+34	−48	0	−0.13
75417	15 24 31.38	−50 56 04.9	8.99	H	231.130 763 73	−50.934 700 06	4.82	−35.13	−41.41	0.88	0.79	1.16	0.91	0.99	−12	−21	− 9	+ 5	− 9	−19	− 9	+22	−20	− 5	0	−0.86
75418	15 24 31.42	−43 55 38.5	8.00	H	231.130 928 83	−43.927 349 81	1.29	− 9.50	−11.06	0.72	0.61	0.90	0.76	0.76	−22	−23	− 7	+ 2	+ 2	−10	+ 4	+16	− 9	−22	0	1.04
75419 H	15 24 32.37	−11 02 18.7	9.74	H	231.134 874 58	−11.038 530 86 A	6.62	−87.45	−41.98	2.93	1.83	2.95	3.25	2.19	−55	−45	+17	− 2	−15	+ 8	−28	+13	+23	−20	2	0.74
75420	15 24 32.53	−80 26 26.0	8.09	2 H	231.135 522 65	−80.440 565 99	4.21	−15.36	−24.21	0.54	0.56	0.68	0.63	0.68	+ 7	−11	− 1	− 9	+ 4	−14	+ 0	+12	+ 0	+23	0	0.16
75421	15 24 33.17	−34 03 54.8	9.32	H	231.138 217 45	−34.065 209 00	6.26	−37.07	− 4.50	1.22	0.85	1.55	1.67	1.29	−26	+ 2	−23	+18	− 9	+33	+ 0	+16	− 6	−10	0	0.60
75422	15 24 33.34	+43 14 03.7	8.91	H	231.138 915 22	+43.234 359 66	3.70	−19.88	−31.09	0.77	0.78	0.99	0.89	0.94	+ 6	− 9	−13	−10	−11	+22	− 7	+ 8	− 1	− 8	0	−0.21
∗75423	15 24 45.95	−17 07 37.6	11.62	G	231.191 442 17	−17.127 105 28	26.72	−324.29	−195.57	3.51	2.64	4.08	4.29	3.19	−12	−21	−29	+20	+13	+ 8	+15	− 4	+15	− 4	0	1.31
∗75424	15 24 34.03	−49 31 51.4	10.24	H	231.141 785 96	−49.530 947 79	5.63	−22.48	−15.76	1.68	1.38	2.18	1.89	1.92	− 5	−19	−10	+22	+16	−16	+14	+11	+18	− 9	2	1.30
∗75425 H	15 24 35.26	+54 12 46.6	6.68	H	231.146 915 75	+54.212 931 77 A	5.48	39.76	−55.49	1.75	1.05	1.24	1.60	1.16	+ 5	− 3	− 9	−17	− 8	−12	−17	− 5	+23	− 1	3	1.66
∗75426	15 24 35.59	−07 03 17.5	9.86	H	231.148 278 07	−07.054 858 61	23.78	−91.55	−20.30	3.48	2.39	4.05	5.92	3.65	−13	− 3	−18	−15	−12	−20	−16	− 8	−19	+27	0	
∗75427 H	15 24 35.95	−48 34 55.2	7.51	G	231.149 810 08	−48.581 997 74 ∗	5.11	− 9.42	−12.41	1.71	1.94	1.27	1.35	1.35	−25	− 9	+ 1	+ 3	− 3	+ 4	+ 3	+ 2	−40	2	−0.21
∗75428	15 24 36.45	+43 18 39.5	9.06	H	231.151 865 13	+43.310 977 68	3.61	−21.51	13.48	0.74	0.75	0.94	0.88	0.88	+16	−10	−20	− 4	−20	+21	−15	+ 9	+ 0	− 6	0	−0.12
∗75429	15 24 37.94	−05 17 30.8	10.13	G	231.158 094 30	−05.291 893 57	13.12	−45.42	−13.69	2.04	1.47	2.27	2.44	1.77	+ 3	−34	−29	+48	+19	−12	+24	+11	−30	+ 4	3	0.85
∗75430	15 24 38.34	−52 51 13.9	7.69	2 T	231.159 756 72	−52.853 854 83	2.65	− 0.85	− 2.86	0.69	0.62	0.86	0.77	0.77	− 8	−15	− 8	+10	+ 2	+10	+ 4	+26	− 9	− 8	0	2.46
∗75431	15 24 39.18	+57 44 57.9	8.60	H	231.163 252 55	+57.749 413 91	12.27	−70.04	−14.01	0.64	0.63	0.72	0.65	0.73	+ 5	−11	− 8	−33	− 7	− 4	−10	−32	+11	−34	0	2.14
∗75432	15 24 39.33	+02 18 09.4	9.64	H	231.163 872 64	+02.302 599 91	13.25	6.72	33.57	1.20	0.86	1.51	1.38	1.28	+ 0	−39	−29	+20	− 6	− 3	−13	+ 5	+ 5	−36	2	1.10
∗75433	15 24 39.32	−25 40 00.9	7.30	H	231.163 843 49	−25.666 924 87	−1.26	−39.80	−13.21	1.03	0.87	1.43	1.20	0.95	− 4	−32	−56	−19	+14	−16	− 6	−33	+34	−21	0	−1.33
∗75434	15 24 40.64	−63 38 01.8	9.71	G	231.169 317 17	−63.633 822 54	3.94	− 4.45	− 6.27	0.90	1.07	1.62	1.01	1.37	−13	−31	+ 6	+20	+ 8	−29	+21	+22	−36	− 2	0	0.91
∗75435	15 24 41.60	+39 38 55.9	9.91	H	231.173 353 78	+39.648 857 83	0.86	− 3.35	9.73	1.14	1.10	1.46	1.42	1.25	− 2	− 3	+ 2	+ 9	− 6	+10	− 5	+19	− 8	−11	1	3.52
∗75436	15 24 41.85	−35 55 01.4	6.75	H	231.174 389 82	−35.917 066 93	6.74	28.49	− 7.31	0.71	0.56	0.88	0.77	0.72	−19	−27	−27	+ 2	−13	+10	− 9	+24	− 5	−30	2	1.41
∗75437	15 24 43.09	+19 46 14.9	11.98	H	231.179 526 94	+19.770 804 07	19.77	−336.49	68.02	2.88	2.67	3.95	4.07	4.73	− 2	−16	−20	−27	−13	+ 0	−24	−33	+31	−36	4	−0.08
∗75438	15 24 43.17	−31 45 15.2	8.74	H	231.179 861 48	−31.754 214 31	4.68	35.81	−11.95	1.11	0.66	1.25	1.27	1.07	−16	− 6	−21	− 4	−10	+ 3	−16	+17	−18	+ 1	0	−1.30
∗75439	15 24 45.03	−39 42 36.5	5.36	1 G	231.187 618 13	−39.710 131 54	8.48	−25.25	−56.38	0.61	0.53	0.79	0.89	0.78	−37	− 4	−16	+24	− 8	− 8	−11	+41	−10	−28	5	1.38
∗75440	15 24 45.12	−65 52 21.0	8.80	H	231.187 986 22	−65.872 508 31 A	1.65	− 6.95	−14.40	1.50	1.75	2.29	1.37	1.96	+42	−24	−12	−13	−14	− 2	−14	+ 5	−10	+37	3	2.24
75441	15 24 46.16	+11 46 10.6	8.48	G	231.192 323 29	+11.769 610 43	6.77	−21.86	16.51	1.06	0.69	1.11	1.09	0.98	− 3	−32	− 4	+44	+ 1	− 5	−14	+ 1	+18	−31	0	1.46
75442	15 24 46.22	−47 46 48.2	8.79	H	231.192 600 01	−47.780 044 60	4.08	−26.86	−12.69	1.01	0.93	1.34	1.17	1.28	−19	−19	−34	+ 9	+ 0	− 8	+ 3	+25	− 1	−38	0	1.39
75443	15 24 47.05	−61 23 07.5	8.98	H	231.196 021 42	−61.385 429 33	0.60	− 4.35	− 2.62	0.78	0.85	1.27	0.94	1.12	+10	−15	−21	+41	+37	−28	+35	+ 9	+11	+ 6	0	0.40
75444	15 24 47.70	−65 52 19.4	10.98	H	231.198 764 21	−65.872 069 21 B	−6.34	−11.02	−21.07	21.73	22.90	14.71	12.56	16.75	+48	−20	−13	−27	−23	− 7	−24	− 7	−11	+39	3	2.24
75445	15 24 47.89	−32 08 29.2	8.82	H	231.199 540 01	−32.141 448 20	13.62	−105.20	−67.23	1.06	0.70	1.21	1.22	1.13	−27	− 9	−19	+ 5	−15	+ 3	−19	+22	−12	−19	2	0.28
75446	15 24 48.09	+21 23 38.5	8.98	H	231.200 385 17	+21.394 016 67	22.37	182.56	−282.46	0.79	0.91	1.44	1.07	1.53	−45	− 1	+ 0	+45	−19	− 6	−25	+15	+21	−63	0	−0.11
75447	15 24 48.66	−71 19 22.8	7.09	G	231.202 760 31	−71.322 993 09	1.41	−70.25	−48.36	0.46	0.57	0.76	0.48	0.74	+17	−23	+ 7	+ 4	+ 3	−16	+ 4	+21	− 9	+27	0	0.78
75448	15 24 49.19	+10 59 35.3	7.17	H	231.204 968 00	+10.993 142 17	14.77	49.28	−127.60	0.93	0.54	0.95	1.30	0.78	+ 6	−22	− 6	+25	−11	+ 7	−17	−14	+ 9	− 6	2	0.43
75449	15 24 50.09	+51 12 36.8	8.87	H	231.208 717 64	+51.210 232 17	10.12	− 9.29	4.85	0.74	0.77	0.88	0.89	0.97	+ 8	−13	− 3	+14	− 2	+15	− 4	+20	+16	+12	0	1.97
75450	15 24 50.67	−23 30 32.9	8.26	H	231.211 134 88	−23.509 136 08	6.61	− 8.73	−26.44	1.07	0.78	1.26	1.34	0.94	+ 2	−26	−42	− 8	−25	+25	−15	+16	−13	+ 8	3	1.48
75451	15 24 51.57	−48 49 31.2	9.16	H	231.214 865 83	−48.825 320 31	12.19	−67.66	−39.02	1.10	0.92	1.36	1.34	1.23	− 3	−17	−18	+24	+24	+ 3	+25	+12	+11	+ 0	0	0.69
75452 H	15 24 52.07	−68 16 51.1	9.21	H	231.216 942 93	−68.280 855 97 A	5.47	−25.11	− 7.78	1.06	1.46	1.69	1.10	1.47	+31	− 7	− 1	−12	+ 5	−11	− 6	+13	− 7	+52	2	0.44
75453	15 24 52.89	−66 59 48.2	7.88	H	231.220 382 56	−66.996 733 97	−0.63	− 4.49	− 3.18	0.49	0.61	0.99	0.51	0.75	+25	−12	− 3	−20	+10	− 8	+ 6	+23	− 1	+36	0	−1.50
75454 H	15 24 53.84	−23 21 34.3	8.03	H	231.224 331 54	−23.359 517 31 B	11.03	5.19	−30.08	4.09	3.98	5.39	4.03	4.50	−12	−22	−71	+ 7	−51	+37	−26	+73	−54	−49	0	1.71
75455	15 24 54.82	+00 40 14.5	10.25	G	231.228 409 81	+00.670 705 30	4.02	−41.39	−15.37	2.88	1.74	3.44	3.71	3.08	−25	−36	+17	+21	− 1	− 1	− 6	− 4	+11	−26	0	
75456	15 24 55.14	−02 14 06.7	8.44	2 H	231.229 748 88	−02.235 195 16	−0.12	7.32	2.55	1.26	1.03	1.33	1.31	1.18	−34	−56	+ 9	+12	−45	− 8	−43	+32	+19	−31	0	1.62
75457	15 24 55.24	+09 45 24.2	9.66	H	231.230 187 21	+09.756 712 58	4.47	−26.39	3.91	1.37	1.01	1.52	1.79	1.40	−24	− 8	− 9	− 6	+22	−29	+13	−44	+ 8	−43	0	0.05
75458	15 24 55.78	+58 57 57.7	3.29	G	231.232 433 70	+58.966 023 54	31.92	− 8.27	17.30	0.42	0.47	0.51	0.38	0.49	+ 8	−14	−28	−25	− 5	+ 2	− 8	−33	+21	− 1	0	−0.21
75459 H	15 24 56.14	−37 30 05.3	8.51	H	231.233 918 92	−37.501 467 24 A	8.76	−23.13	−37.26	1.67	1.16	1.77	2.39	1.58	+ 8	−19	−21	− 8	− 4	−22	−13	+ 1	− 6	+46	1	0.58
75460	15 24 56.29	+07 47 29.9	7.67	H	231.234 535 36	+07.791 641 37	6.69	−26.76	− 8.84	0.96	0.59	1.05	1.13	0.82	− 2	−33	+ 0	+ 9	−10	− 5	−12	−16	− 6	−14	0	0.23
75461	15 24 57.21	−72 02 46.8	6.97	H	231.238 382 27	−72.046 324 83	2.86	− 0.15	−10.48	0.42	0.53	0.66	0.44	0.62	+12	−24	+ 5	+18	+ 3	−14	+ 3	+33	− 1	+18	1	−0.42
75462	15 24 57.58	−22 02 37.1	7.65	H	231.239 905 48	−22.043 630 55	7.15	−21.94	−11.84	1.13	0.71	1.06	1.77	1.10	+13	−21	−15	−20	−27	+ 4	−30	+ 9	−14	+43	0	−0.48
75463	15 24 58.42	+48 02 17.2	8.84	H	231.243 402 56	+48.038 105 76	2.36	5.30	6.80	0.69	0.75	0.87	0.83	0.93	+10	−12	− 5	− 1	− 6	− 5	− 5	+11	−14	+17	0	−0.25
75464	15 24 58.89	−08 20 33.0	9.63	G	231.245 390 18	−08.342 503 84	1.70	−31.54	− 4.46	1.48	1.29	2.08	1.96	1.75	−35	−10	−51	+17	+ 2	− 9	− 6	−13	+28	−50	0	−0.20
75465	15 24 59.04	+30 03 27.6	9.27	H	231.246 010 71	+30.057 656 97	7.26	38.52	−25.87	0.65	0.77	1.30	0.71	1.00	+40	−25	−17	−32	−20	+28	−22	−11	+29	+40	0	1.00
75466	15 24 59.31	−44 13 57.5	9.72	H	231.247 135 11	−44.232 648 42	5.91	−28.22	−21.86	1.27	0.94	1.49	1.75	1.38	−12	−14	+ 0	+32	+16	+ 5	+19	+27	− 3	+14	0	−1.18
75467	15 25 00.04	−76 31 28.5	7.23	H	231.250 178 09	−76.524 578 56	3.17	−13.06	−12.58	0.45	0.52	0.63	0.52	0.60	+13	−10	+ 2	− 5	+ 9	+ 8	+ 6	+24	+15	+19	0	1.01
75468	15 25 01.30	+01 30 35.0	8.43	H	231.255 429 29	+01.509 711 34	5.20	− 1.84	− 7.27	1.22	0.88	1.27	1.42	1.05	−16	−46	−13	+44	− 0	−25	−10	+12	+11	−19	0	1.19
75469	15 25 01.48	+19 14 37.1	9.33	H	231.256 163 36	+19.243 640 89	0.35	11.87	−12.54	1.21	0.91	1.62	1.66	1.77	− 1	−38	−19	−20	− 5	−20	−26	−26	+47	−46	0	1.17
75470	15 25 02.70	+55 36 39.3	7.76	G	231.261 257 82	+55.610 903 40	2.63	− 3.85	12.61	0.52	0.56	0.62	0.53	0.60	− 5	−13	− 5	− 9	+ 0	+ 0	+ 2	− 5	− 3	−26	0	−0.76
75471	15 25 02.71	+29 08 46.4	8.50	H	231.261 310 80	+29.146 210 03	2.01	− 6.65	− 5.97	0.59	0.81	1.12	0.64	1.00	+21	−14	−15	−25	−24	+ 1	−22	+14	+ 7	+ 6	0	1.07
75472	15 25 03.30	−32 09 22.1	7.41	H	231.263 730 10	−32.156 152 30	8.24	−47.68	−18.10	0.80	0.56	0.94	0.90	0.83	−26	−14	−18	+ 9	−15	+ 9	−14	+25	−21	−18	0	−1.13
75473	15 25 04.22	+07 59 35.3	9.66	H	231.267 591 75	+07.993 137 66	12.46	−14.15	8.65	1.55	1.01	1.73	2.06	1.48	−10	−21	+14	+30	+14	−13	+ 5	−35	− 7	−28	0	2.35
75474	15 25 04.52	−06 14 44.8	7.35	H	231.268 828 53	−06.245 782 53	6.55	−32.55	6.11	0.94	0.60	1.01	1.10	0.76	−12	−18	−13	+38	− 5	+22	+10	+ 7	−22	− 1	3	0.29
75475	15 25 06.17	−10 19 48.8	9.63	H	231.275 689 96	−10.330 211 82	12.94	13.78	−10.25	1.34	0.87	1.62	1.60	1.21	−36	−31	+ 0	+19	− 5	+36	+ 3	+ 3	−10	−31	0	−0.43
75476 H	15 25 06.45	−38 10 09.0	7.04	G	231.276 867 39	−38.169 180 35 ∗	6.82	−20.53	−25.00	0.75	0.57	0.88	0.78	0.82	−12	−13	−22	− 5	−22	−10	−26	+29	−21	−20	0	−0.91
75477	15 25 07.66	−61 43 32.4	8.80	H	231.281 896 52	−61.725 673 62	2.22	−10.06	−10.86	0.88	0.90	1.39	0.99	1.18	+ 2	−17	− 4	+52	+37	−28	+46	+13	− 5	+13	0	0.05
75478 H	15 25 07.67	−23 40 16.2	8.48	H	231.281 943 73	−23.671 160 19 ∗	15.01	−23.85	−43.46	2.58	2.89	2.28	2.10	1.65	−24	− 7	−54	+ 8	−42	+45	−20	+50	−47	−45	0	0.27
75479	15 25 08.05	+47 03 39.3	6.79	H	231.283 555 77	+47.060 906 07	16.62	−61.73	−33.77	0.50	0.49	0.60	0.66	0.63	+11	+ 4	+ 7	− 5	− 1	+ 2	− 2	− 7	−19	− 6	0	−0.08
75480	15 25 09.41	−26 34 30.7	8.33	H	231.289 198 68	−26.575 198 45	7.37	−22.50	−31.13	1.06	0.65	1.28	1.43	1.11	−20	−13	−27	−11	+ 3	+ 1	− 1	−19	+34	− 1	0	1.12
75481	15 25 09.97	−44 21 03.7	8.88	H	231.291 559 00	−44.351 033 16	2.80	12.56	−64.57	1.04	0.80	1.23	1.41	1.10	−17	−11	− 3	+25	+20	+ 0	+21	+21	− 1	+11	0	1.82
75482	15 25 11.19	−47 13 02.7	6.57	H	231.296 628 22	−47.217 425 15	5.20	− 3.27	− 2.62	0.71	0.71	1.02	0.92	0.93	−16	−18	−41	+34	+ 5	−14	− 2	+25	+19	−37	0	1.36
75483 H	15 25 11.71	−46 59 12.7	9.79	H	231.298 803 29	−46.986 854 21 B	16.34	−51.53	−19.77	7.69	10.03	6.01	8.35	13.31	− 5	+ 1	−34	+19	−27	−18	−22	+56	−12	−60	1	1.42
75484	15 25 12.30	+72 50 50.9	8.60	H	231.301 255 03	+72.847 476 61	8.70	− 4.19	−14.78	0.69	0.62	0.72	0.73	0.71	+11	−27	−15	−14	+ 3	+ 2	+ 7	− 7	−12	− 7	0	0.26
75485	15 25 12.67	+33 07 16.7	9.64	H	231.302 799 40	+33.121 299 52	1.71	−14.81	6.05	0.83	1.00	1.35	0.89	1.11	+24	− 7	+ 2	+11	+18	+ 3	+22	+37	+ 5	+ 7	0	1.03
75486	15 25 13.24	−33 32 03.4	9.23	H	231.305 178 81	−33.534 283 18	8.16	28.19	1.14	1.10	0.85	1.36	1.22	1.26	−24	−13	−33	+ 6	−22	+13	−19	+33	−21	−31	0	−0.21
75487	15 25 13.35	−10 59 24.2	8.13	H	231.305 624 86	−10.990 043 37	13.45	0.52	−27.19	1.58	0.82	1.43	3.69	1.71	+21	−59	−21	+55	+37	−19	+52	+30	−40	+62	0	0.48
75488	15 25 13.58	+24 49 01.6	7.89	H	231.306 600 98	+24.817 124 25	10.58	10.95	−87.67	0.67	0.70	1.05	0.73	0.98	−30	−29	− 4	+47	− 2	−27	−12	+ 2	− 2	−57	1	0.29
75489	15 25 14.70	+26 05 46.0	11.23	H	231.311 250 70	+26.096 120 15	7.04	3.89	− 0.18	1.91	1.94	2.66	2.12	2.31	−29	−23	+21	+21	+32	−16	+23	−30	+ 8	−51	3	0.68
75490	15 25 14.94	−39 20 05.4	9.97	H	231.312 248 73	−39.334 844 36	11.35	−12.61	−45.62	1.35	1.12	1.84	1.80	1.62	−33	− 6	−16	+35	+ 0	− 3	+ 2	+41	−20	−16	0	0.32
75491	15 25 16.07	−38 09 28.2	8.45	H	231.316 944 67	−38.157 842 42	5.78	−20.00	−25.34	0.92	0.68	1.08	0.99	0.93	− 4	−15	−20	−11	−13	−12	−18	+14	−14	− 8	0	−0.69
75492	15 25 16.31	+15 03 36.4	8.35	H	231.317 947 64	+15.060 113 58	6.88	−29.75	−23.69	0.80	0.68	1.01	0.85	0.81	− 3	−28	−17	−25	−31	+27	−23	+ 9	− 5	−30	0	−0.70
75493	15 25 16.99	+41 59 39.5	8.84	H	231.320 792 33	+41.994 313 49	1.67	11.99	− 2.00	0.65	0.81	0.91	0.80	1.03	+ 9	+ 0	−17	+21	+ 4	+ 3	+ 4	+ 3	+16	+ 3	0	−1.46
75494	15 25 17.56	+59 58 33.2	8.31	H	231.323 170 97	+59.975 894 70	5.68	15.74	1.66	0.57	0.55	0.64	0.56	0.60	+ 5	−21	−24	−10	−11	+ 9	− 7	+ 8	− 5	−14	0	−0.81
75495 H	15 25 17.97	+74 27 12.2	9.42	H	231.324 857 23	+74.453 400 08 A	32.41	−13.04	−248.20	1.45	1.40	1.42	1.40	1.50	− 1	− 6	−15	−14	+ 3	+11	+ 7	− 4	−18	− 2	0	0.81
75496	15 25 19.21	+10 38 35.4	8.48	H	231.330 056 51	+10.643 155 16	4.51	7.26	− 2.17	1.19	0.70	1.16	1.96	1.02	+17	− 5	− 4	−16	−28	−15	−27	−26	− 3	+10	2	0.55
75497	15 25 19.31	+33 47 38.8	10.40	H	231.330 449 28	+33.794 120 24	1.42	4.42	3.37	0.92	1.07	1.50	0.95	1.14	+10	− 2	−13	− 5	+11	−10	+11	+ 5	− 1	+ 2	0	0.13
75498	15 25 19.66	−51 18 04.0	8.53	H	231.331 933 86	−51.301 106 05	4.30	−31.69	−22.97	0.95	0.78	1.16	1.04	1.00	− 2	−29	−11	+27	+ 2

No.	Tycho Magnitudes					Colour Indices					Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
75401	11.072	0.051	10.012	0.033		0.909	0.048	T	0.95	0.05	L	10.0156	0.0031	0.026	97		9.97	10.05		C			1 X							
75402	9.157	0.014	8.765	0.014		0.371	0.018	T	0.43	0.02	L	8.8537	0.0020	0.017	107		8.83	8.88					1						
75403	10.347	0.039	9.973	0.045		0.430	0.020	G	0.50	0.02	H	10.0770	0.0026	0.022	59		10.04	10.11		C			1						G
75404	10.380	0.041	9.645	0.033	*	0.659	0.040	T	0.72	0.03	L *	9.6338	0.0040	0.026	85	*	9.60	9.69		D	15244−3130	H 1	2 C A	AB	15	0.436	0.004	0.27	0.03	
75405	11.689	0.102	9.654	0.028		1.685	0.084	T	1.71	0.09	L	9.5654	0.0031	0.023	80		9.52	9.61		C			1 S							
75406	11.014	0.076	10.562	0.082	A	0.641	0.126	G	0.71	0.11	R *	10.2848	0.0043	0.030	73	*	10.20	10.34		D	15245−4645	I 1	2 C B	AB	10	8.113	0.019	0.70	0.09	G
75407	8.438	0.010	7.811	0.010		0.583	0.012	T	0.65	0.01	L	7.8494	0.0011	0.011	119		7.83	7.87		C			1							S
75408	10.509	0.064	8.561	0.023		1.783	0.232	G	1.85	0.28	K	8.3707	0.0046	0.020	48		8.34	8.41		U	15245−2546	I 1	1 S							
75409	10.132	0.036	9.675	0.037		0.453	0.015	G	0.52	0.02	H	9.6859	0.0025	0.021	69		9.65	9.72		C			1							
75410	10.532	0.045	8.645	0.017		1.568	0.038	T	1.59	0.04	L	8.6113	0.0016	0.016	131		8.58	8.64		C			1 S							
75411	4.680	0.002	4.338	0.002		0.309	0.008	G	0.35	0.03	C	4.3826	0.0005	0.005	120		4.37	4.39		D	15245+3722	I 2	1 G							S
75412	9.749	0.016	8.657	0.011		0.944	0.015	T	0.93	0.01	L	8.7014	0.0019	0.017	125		8.67	8.73		C			1							
75413	10.392	0.034	9.649	0.028		0.665	0.033	T	0.73	0.03	L	9.7665	0.0031	0.023	100		9.72	9.82					1							
75414	10.090	0.043	8.221	0.018		1.553	0.037	T	1.57	0.04	L	8.1317	0.0015	0.011	56		8.11	8.16					1							
75415	7.592	0.034	6.926	0.038	B	0.600	0.042	G	0.64	0.03	L *	6.6404	0.0008	0.010	125	*	6.62	6.67		D	15245+3722	I 2	2 C A	BC	12	2.232	0.002	0.60	0.01	S
75416	11.926	0.182	10.384	0.071	*	1.298	0.161	T	1.26	0.17	L *	10.4005	0.0042	0.032	69	*	10.35	10.45		D	15245−1322	H 1	2 C D	AB	291	0.398	0.013	0.17	0.21	G D
75417	9.617	0.022	9.061	0.021		0.526	0.023	T	0.60	0.02	L	9.1091	0.0024	0.018	93		9.08	9.14		C			1							
75418	8.076	0.008	8.006	0.010		0.063	0.011	T	0.07	0.01	L	8.0257	0.0017	0.015	93		8.00	8.05					1							S
75419	10.589	0.050	9.862	0.042	A	0.664	0.155	G	0.79	0.07	B *	9.8867	0.0037	0.023	71	*	9.84	9.93		D	15245−1102	I 1	2 C A	AB	75	4.054	0.021	1.88	0.09	
75420	8.539	0.009	8.134	0.009		0.366	0.005	G	0.43	0.01	H	8.1783	0.0049	0.040	150		8.14	8.24	0.14	P 1 A			1							S
75421	9.856	0.024	9.359	0.023		0.479	0.025	T	0.55	0.03	L	9.4244	0.0029	0.017	69		9.39	9.46		C			1							
75422	10.441	0.033	9.056	0.017		1.172	0.029	T	1.13	0.03	L	9.0726	0.0017	0.017	117		9.04	9.11					1							
75423						0.746	0.005	G	0.79	0.00	H	11.8446	0.0090	0.063	44		11.76	11.96					1							G
75424	10.933	0.054	10.327	0.054		0.565	0.067	T	0.64	0.06	L	10.3599	0.0041	0.033	82		10.32	10.42					1							G
75425	8.134	0.009	6.837	0.006	*	1.098	0.002	G	1.06	0.00	H *	6.8521	0.0009	0.009	107	*	6.84	6.87		D	15246+5413	I 1	2 C A	AB	273	0.618	0.002	0.12	0.01	S
75426	11.134	0.084	9.970	0.048		1.070	0.015	G	1.13	0.02	I	9.9984	0.0044	0.025	63		9.95	10.06		C			1 X							
75427	7.598	0.007	7.558	0.009	–	0.073	0.009	G	0.08	0.01	R *	7.5510	0.0013	0.010	92	–	7.53	7.57		D	15246−4835	I 1	3 C B							S G
75428	9.334	0.014	9.101	0.016		0.222	0.020	T	0.24	0.02	L	9.1337	0.0022	0.022	120		9.10	9.18		C			1							
75429	11.093	0.066	10.215	0.048		0.790	0.020	G	0.83	0.02	H	10.2784	0.0053	0.036	56		10.23	10.33					1 G							
75430	9.193	0.017	7.819	0.010		1.163	0.015	T	1.12	0.01	L	7.8055	0.0143	0.068	85		7.71	7.88	9.28	P 1 A			1 S							S
75431	9.358	0.016	8.656	0.014		0.647	0.017	T	0.71	0.01	L	8.7322	0.0020	0.016	106		8.71	8.76		C			1							S
75432	10.288	0.034	9.722	0.033		0.529	0.042	T	0.60	0.04	L	9.7515	0.0028	0.022	100		9.71	9.78		C			1							
75433	9.296	0.022	7.468	0.010		1.521	0.019	T	1.56	0.03	L	7.4199	0.0019	0.011	50		7.40	7.43					1							S
75434	9.846	0.020	9.728	0.026		0.184	0.004	G	0.20	0.01	H	9.7756	0.0024	0.030	132		9.72	9.82					1 S							G
75435	11.405	0.063	10.141	0.035		1.077	0.056	T	1.04	0.05	L	10.0755	0.0054	0.040	140		10.01	10.16		R			1							
75436	6.846	0.006	6.762	0.006		0.076	0.008	T	0.09	0.01	L	6.7837	0.0006	0.007	77		6.77	6.80					1							S
75437											T	12.1103	0.0106	0.076	83		11.86	12.21					1 S							G
75438	9.407	0.018	8.816	0.016		0.552	0.018	T	0.62	0.02	L	8.8648	0.0025	0.018	94		8.83	8.90					1							
75439	5.251	0.002	5.357	0.003		−0.093	0.002	G	−0.07	0.00	H	5.3386	0.0009	0.008	96		5.32	5.35		M	15248−3943	I 1	1							S
75440	8.790	0.009	8.798	0.012	A	−0.006	0.013	T	0.01	0.01	L	8.8092	0.0079	0.035	249	A	8.76	8.87		D	15248−6552	I 2	1 C P A							
75441	8.916	0.015	8.537	0.016		0.399	0.015	G	0.46	0.02	H	8.5555	0.0027	0.019	76		8.53	8.59					1							S
75442	9.396	0.021	8.849	0.020		0.512	0.026	T	0.58	0.03	L	8.9063	0.0021	0.015	80		8.87	8.94		C			1							
75443	11.356	0.067	9.161	0.017		1.792	0.050	T	1.82	0.05	L	9.0745	0.0017	0.021	141		9.04	9.11					1							
75444	10.935	0.051	10.693	0.065	B	0.231	0.078	T	0.26	0.10	L	11.1947	0.0627			B				D	15248−6552	I 2	1 C I A							
75445	9.533	0.022	8.855	0.020		0.616	0.022	T	0.68	0.02	L	8.9499	0.0022	0.017	89		8.93	8.98					1							
75446	9.896	0.021	9.077	0.016		0.723	0.020	T	0.77	0.01	L	9.1164	0.0018	0.017	137		9.08	9.15					1							
75447	8.916	0.010	7.244	0.005		1.420	0.006	G	1.40	0.01	H	7.2163	0.0011	0.012	174		7.20	7.24					1							S
75448	7.677	0.009	7.215	0.006		0.448	0.015	G	0.52	0.02	H	7.2684	0.0013	0.010	79		7.25	7.29		C			1							S
75449	9.472	0.016	8.914	0.015		0.522	0.020	T	0.59	0.02	L	8.9805	0.0019	0.016	106		8.95	9.01		C			1							
75450	8.748	0.017	8.320	0.017		0.414	0.020	G	0.48	0.02	H	8.3568	0.0016	0.010	50		8.34	8.38					1							S
75451	10.082	0.028	9.218	0.022		0.757	0.027	T	0.80	0.02	L	9.2995	0.0025	0.020	97		9.27	9.33		C			1							
75452	9.818	0.014	9.318	0.014	A	0.500	0.495	G	0.52	0.05	L *	9.3098	0.0020	0.024	228	*	9.26	9.36		D	15249−6817	I 1	2 C C	AB	153	1.191	0.027	2.75	0.12	
75453	9.401	0.013	8.014	0.007		1.173	0.012	T	1.13	0.01	L	8.0431	0.0013	0.017	223		8.01	8.07					1							S
75454	8.594	0.016	8.153	0.016	*	0.430	0.018	T	0.50	0.02	L *	8.1248	0.0015	0.008	48	*	8.10	8.14		D	15249−2322	I 1	2 C B	BA	22	0.692	0.002	0.05	0.01	S
75455	11.003	0.055	10.168	0.040		0.649	0.015	G	0.71	0.01	H	10.3721	0.0027	0.034	95		10.31	10.42		C			1 X							
75456	10.415	0.036	8.694	0.015		1.464	0.032	T	4.20	0.07	O	7.8231	0.0297	0.191	81		7.70	8.16		U 2			1 G							
75457	10.361	0.040	9.674	0.033		0.635	0.043	T	0.70	0.04	L	9.7903	0.0031	0.026	83		9.75	9.83		C			1							
75458	4.827	0.003	3.435	0.002		1.166	0.007	G	1.07	0.03	C	3.4638	0.0005	0.005	104		3.46	3.48			15250+5859	I 1	1							S
75459	8.991	0.015	8.540	0.015	A	0.500	0.495	G	0.47	0.04	L *	8.6008	0.0020	0.013	67	*	8.58	8.63		C	15249−3730	I 1	2 C C	AB	261	1.100	0.091	3.59	0.26	
75460	9.022	0.016	7.806	0.010		1.039	0.015	T	1.01	0.01	L	7.8390	0.0014	0.011	74		7.82	7.86					1							S
75461	7.065	0.004	6.978	0.004		0.085	0.005	T	0.10	0.01	L	7.0089	0.0011	0.011	174		6.99	7.02		C			1							S
75462	9.053	0.019	7.757	0.012		1.102	0.018	T	1.06	0.02	L	7.8207	0.0013	0.010	49		7.80	7.83		C			1							S
75463	10.183	0.025	8.949	0.015		1.054	0.023	T	1.02	0.02	L	9.0039	0.0023	0.020	117		8.96	9.03					1							
75464	10.816	0.066	9.734	0.041		1.021	0.015	G	0.99	0.01	H	9.8181	0.0048	0.025	60		9.77	9.86					1							
75465	10.033	0.015	9.353	0.013		0.629	0.016	T	0.70	0.01	L	9.4004	0.0023	0.027	226		9.35	9.44					1							
75466	10.746	0.046	9.818	0.034		0.821	0.042	T	0.84	0.03	L	9.8751	0.0040	0.029	91		9.82	9.92					1							G
75467	7.218	0.004	7.224	0.005		−0.004	0.006	T	0.02	0.01	L	7.2380	0.0008	0.010	156		7.22	7.26		C			1							S
75468	10.505	0.037	8.622	0.014		1.564	0.031	T	1.58	0.03	L	8.5443	0.0020	0.015	104		8.52	8.57		C			1 G							
75469	10.594	0.037	9.443	0.024		0.989	0.034	T	0.97	0.03	L	9.4910	0.0022	0.020	89		9.46	9.53		C			1							
75470	9.249	0.013	7.887	0.008		1.140	0.015	G	1.10	0.02	H	7.9331	0.0011	0.012	127		7.92	7.97		C			1							S
75471	9.982	0.017	8.618	0.010		1.155	0.015	T	1.12	0.01	L	8.6693	0.0019	0.021	173		8.64	8.73					1							
75472	7.786	0.009	7.445	0.008		0.337	0.015	G	0.39	0.02	H	7.4900	0.0010	0.008	88		7.47	7.50					1							S
75473	10.270	0.040	9.713	0.037		0.521	0.049	T	0.59	0.05	L	9.7756	0.0031	0.029	69		9.72	9.83					1							
75474	8.835	0.017	7.478	0.010		1.142	0.015	G	1.11	0.02	H	7.5167	0.0007	0.006	56		7.50	7.54		C			1							S
75475	10.353	0.056	9.745	0.052		0.567	0.067	T	0.64	0.06	L	9.7503	0.0022	0.013	70		9.73	9.77					1							
75476	7.175	0.007	7.055	0.007	*	0.090	0.002	G	0.10	0.00	H *	7.0861	0.0008	0.009	78	*	7.07	7.10		D	15251−3810	I 1	2 C S A	BA	51	0.139	0.006	0.46	0.38	S
75477	10.353	0.028	8.950	0.015		1.186	0.025	T	1.15	0.02	L	8.9684	0.0023	0.018	135		8.94	9.00					1							
75478	9.165	0.022	8.541	0.020	*	0.577	0.022	T	0.65	0.02	L *	8.6029	0.0018	0.016	45	*	8.58	8.62		D	15251−2340	I 1	2 C A	AB	272	0.257	0.011	0.21	0.18	S
75479	7.520	0.009	6.866	0.007		0.607	0.010	T	0.68	0.01	L	6.9221	0.0008	0.008	111		6.91	6.94					1							S
75480	8.780	0.015	8.367	0.016		0.404	0.018	T	0.47	0.02	L	8.4190	0.0018	0.012	70		8.39	8.45		C			1							
75481	10.045	0.028	8.975	0.019		0.927	0.026	T	0.92	0.02	L	9.0360	0.0023	0.020	96		9.01	9.08		C			1							
75482	8.545	0.013	6.742	0.006		1.520	0.002	G	1.56	0.00	H	6.6964	0.0010	0.007	72		6.69	6.71					1							S
75483	10.882	0.066	9.864	0.043	*	0.888	0.059	T	0.89	0.04	L *	9.9506	0.0056	0.037	70	*	9.89	10.01		D	15252−4659	I 1	2 C A	BA	171	0.555	0.007	0.12	0.02	G
75484	9.761	0.018	8.710	0.012		0.912	0.016	T	0.91	0.01	L	8.7598	0.0019	0.015	120		8.74	8.79		C			1							
75485	11.598	0.062	9.808	0.021		1.491	0.052	T	1.51	0.08	L	9.7664	0.0023	0.029	172		9.71	9.84					1							
75486	9.875	0.026	9.288	0.025		0.549	0.027	T	0.62	0.03	L	9.3447	0.0023	0.020	76		9.31	9.38					1							
75487	8.651	0.013	8.186	0.013		0.511	0.015	G	0.58	0.02	H	8.2414	0.0017	0.009	78		8.22	8.26		C			1 G							S
75488	8.328	0.010	7.930	0.009		0.377	0.012	T	0.44	0.01	L	7.9746	0.0019	0.014	130		7.95	8.00					1							S
75489						1.055	0.197	G	1.02	0.16	K	11.3971	0.0061	0.052	101		11.31	11.47					1							G
75490	10.756	0.061	10.069	0.054		0.623	0.061	T	0.69	0.05	L	10.0977	0.0027	0.025	100		10.06	10.14		C			1 S							G
75491	8.916	0.015	8.490	0.015		0.416	0.017	T	0.48	0.02	L	8.5397	0.0013	0.010	78		8.52	8.56					1							
75492	8.694	0.011	8.397	0.012		0.303	0.001	G	0.35	0.00	H	8.4278	0.0017	0.016	105		8.40	8.47					1							S
75493	10.418	0.029	8.951	0.015		1.236	0.026	T	1.19	0.03	L	9.0019	0.0019	0.017	130		8.97	9.04		C			1							
75494	8.580	0.009	8.334	0.010		0.221	0.003	G	0.24	0.00	H	8.3824	0.0014	0.013	128		8.36	8.41		C			1							S
75495	10.912	0.054	9.635	0.028	A	2.400	0.495	G	1.33	0.07	B *	9.5745	0.0032	0.028	106	*	9.53	9.63		R	15253+7427	I 1	2 C C	AB	71	2.674	0.042	3.08	0.17	
75496	9.811	0.024	8.611	0.016		1.027	0.022	T	1.00	0.02	L	8.6431	0.0015	0.014	73		8.61	8.67					1							S
75497	12.358	0.146	10.512	0.041		1.564	0.082	G	1.63	0.13	S	10.5114	0.0042	0.043	198		10.45	10.58		R			1							
75498	10.344	0.036	8.654	0.016		1.412	0.031	T	1.39	0.04	L	8.6692	0.0016	0.014	88		8.64	8.70		D			1							
75499	11.100	0.049	10.399	0.042		0.646	0.053	T	0.71	0.05	L	10.5356	0.0032	0.025	97		10.49	10.57		C			1							G
75500	9.905	0.023	9.327	0.021		0.540	0.028	T	0.61	0.03	L	9.4190	0.0022	0.020	101		9.38	9.46					1							

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%) δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
75501	15 25 20.25	−38 44 00.9	4.60	G	231.334 385 16	−38.733 588 10	8.72	−46.05	−13.35	1.03	0.88	1.34	1.15	1.20	−31	−19	−19	+ 2	− 9	−12	− 7	+25	−16	−38	4	
75502	15 25 20.52	+52 39 40.7	10.72	H	231.335 490 84	+52.661 315 21	2.75	−4.28	−7.80	1.18	1.12	1.33	1.28	1.24	+ 2	−18	+13	− 6	+ 6	+ 8	+ 5	+ 6	− 3	+11	0	−0.01
75503	15 25 20.95	−30 34 56.9	9.56	H	231.337 298 79	−30.582 460 55	9.36	−38.37	−1.02	1.16	0.73	1.28	1.18	1.18	−29	−16	− 8	+ 4	−12	+ 2	−10	+21	−14	−38	0	0.82
75504 H	15 25 22.60	−21 55 45.2	7.52	H	231.344 162 28	−21.929 212 92 A	6.23	−27.93	−14.21	1.75	1.04	1.54	2.66	1.56	+28	−18	−32	−15	− 8	−25	−20	+ 1	− 1	+45	1	0.06
75505	15 25 25.25	+45 34 48.2	9.04	H	231.355 228 94	+45.580 057 73	2.93	9.59	−4.28	0.70	0.72	0.86	0.78	0.84	+ 7	+ 3	+10	+12	− 6	+ 3	− 9	− 2	−25	−14	1	−0.44
75506	15 25 25.78	−17 05 39.1	8.58	H	231.357 407 88	−17.094 194 93	1.16	−7.17	−6.69	1.23	0.90	1.46	1.55	1.10	−15	−20	−22	+14	+ 2	+25	+ 8	+ 4	+14	+ 2	0	1.77
75507	15 25 25.79	−41 56 28.4	8.49	H	231.357 451 32	−41.941 219 84	5.59	4.39	17.99	0.82	0.70	1.07	1.04	0.93	−19	−14	− 7	+16	+13	+ 4	+11	+14	+19	+ 2	0	−0.33
75508	15 25 29.49	+45 56 51.0	7.27	H	231.372 886 33	+45.947 505 30 +	12.06	−64.21	79.40	0.57	0.54	0.66	0.64	0.73	− 1	+ 4	+ 2	−14	− 1	+ 3	−12	+ 1	−30	−10	0	0.40
75509	15 25 30.19	−36 11 57.7	7.63	H	231.375 779 13	−36.199 359 32	8.55	−23.08	−28.89	0.82	0.63	0.97	1.04	0.88	−23	−12	−19	+15	− 9	+14	− 7	+27	− 7	−13	0	1.12
75510	15 25 32.28	+50 35 39.0	7.66	1 G	231.384 515 70	+50.594 160 54	1.41	−11.33	−4.69	0.64	0.63	0.75	0.78	0.81	+10	−10	+ 4	−12	− 4	+17	− 9	+21	+19	+22	0	0.27
75511	15 25 32.76	−13 44 04.3	9.34	H	231.386 510 02	−13.734 526 29	10.95	−128.44	−35.70	1.17	0.89	1.32	1.21	1.04	−25	−37	−12	+11	− 8	+13	− 3	+15	− 7	−30	0	−0.96
75512	15 25 36.45	−59 13 17.4	8.91	H	231.401 875 81	−59.221 503 88	2.65	−13.35	−24.82	0.93	0.84	1.34	1.06	1.10	+18	−25	−31	+ 3	+23	−27	+10	−18	+29	− 8	0	0.39
75513	15 25 36.92	+68 13 33.4	8.09	H	231.403 846 98	+68.225 938 99	4.95	−14.59	−23.87	0.57	0.67	0.68	0.62	0.68	+10	− 9	−37	−11	−20	+ 8	−17	− 2	− 5	− 6	0	−0.36
75514	15 25 37.29	−15 26 43.8	8.50	H	231.405 363 99	−15.445 504 18	8.58	−5.83	−5.96	1.15	0.74	1.28	1.15	0.81	− 1	−45	−27	+28	− 6	+14	+ 3	+25	− 8	− 6	0	1.56
75515	15 25 37.94	−47 05 57.2	8.13	H	231.408 088 26	−47.099 230 94	4.23	−91.58	−34.25	1.00	1.13	1.47	1.45	1.63	−31	−11	−42	+32	−18	−15	−21	+53	+ 1	−51	0	2.22
75516	15 25 38.11	+08 39 58.7	10.06	H	231.408 810 79	+08.666 293 28	2.29	23.58	−18.58	5.91	3.49	6.50	6.45	4.13	− 9	−45	+ 1	+ 2	+19	− 6	+ 6	−49	+14	−21	4	
75517	15 25 40.52	−12 52 14.4	8.78	H	231.418 833 71	−12.870 669 00	4.02	−22.52	−26.51	1.14	0.79	1.39	1.58	1.03	−45	− 5	−11	+21	−19	+44	−12	+ 9	− 2	−23	0	−0.43
75518	15 25 41.36	+38 36 08.7	9.37	H	231.422 353 92	+38.602 403 04	9.62	−25.49	−28.62	0.79	0.88	1.12	0.95	1.02	+10	− 7	−20	+ 4	+ 3	− 6	+ 1	+ 1	− 1	− 2	0	2.67
75519 H	15 25 42.82	+26 37 41.1	8.92	H	231.428 412 30	+26.628 070 82 A	4.34	17.09	−4.46	2.41	2.12	2.93	2.50	2.73	+ 4	−29	+11	+28	− 2	−26	− 1	+10	+11	−62	1	0.59
75520	15 25 43.08	+17 13 12.0	10.59	H	231.429 518 80	+17.219 996 77	3.44	−9.76	4.07	1.62	1.54	2.02	1.89	2.37	−32	− 9	− 8	−36	− 5	+ 8	−16	−24	+ 6	−48	2	0.70
75521	15 25 44.44	−01 15 15.7	7.11	G	231.435 179 99	−01.254 368 94	17.26	−85.73	−21.43	0.84	0.47	0.89	1.04	0.82	− 7	−22	− 6	+41	−12	+14	−12	+23	−12	−18	2	0.05
75522	15 25 44.82	−53 03 28.7	6.66	G	231.436 741 13	−53.057 964 15	18.08	31.01	4.06	0.61	0.56	0.79	0.64	0.66	−11	−33	−11	+15	− 3	+ 2	+ 0	+32	− 6	−15	0	0.23
75523	15 25 45.03	−57 00 51.1	7.47	H	231.437 613 91	−57.014 180 97	2.28	−10.53	−10.53	0.66	0.67	1.04	1.09	0.96	− 5	+11	−10	−10	+ 4	−50	− 3	+ 7	+ 8	+10	0	2.17
75524	15 25 45.23	+04 20 49.1	9.89	H	231.438 443 32	+04.346 963 49	4.44	−23.26	−43.15	1.16	0.80	1.37	1.37	1.10	− 7	−22	−19	+25	− 4	+11	−10	− 8	+10	−28	0	0.53
75525 H	15 25 45.49	−15 43 26.8	9.99	H	231.439 521 86	−15.724 124 70 A	5.30	−20.48	−8.98	3.16	2.26	3.20	2.92	2.44	−39	−37	−22	+53	−45	+ 4	−42	+59	+ 2	−60	1	−0.55
75526	15 25 45.64	−04 30 15.4	9.44	H	231.440 157 16	−04.504 268 06	2.16	11.87	8.29	1.30	0.86	1.57	1.62	1.49	− 9	−33	−24	+25	−10	− 7	−17	+14	+11	−33	2	0.10
75527	15 25 45.99	−39 03 08.7	8.74	H	231.441 629 74	−39.052 413 12	1.04	5.75	5.60	0.93	0.76	1.24	1.08	1.08	−24	−21	−15	+14	− 6	− 8	− 3	+29	−16	−25	0	−0.20
∗75528	15 25 46.89	+46 51 57.8	9.77	H	231.445 366 75	+46.866 063 50	11.53	14.76	6.33	0.88	0.98	1.11	1.11	1.22	− 2	+ 9	− 1	− 5	−13	+ 7	− 9	+17	−12	−25	0	−1.25
∗75529 H	15 25 46.85	+84 30 14.4	8.80	H	231.445 214 97	+84.503 996 24 ∗	15.60	122.54	−25.28	0.68	0.73	0.86	0.85	0.91	+16	−13	−14	−10	+16	+ 6	+18	− 8	− 4	− 9	0	0.18
75530	15 25 47.41	+15 25 41.0	5.16	H	231.447 521 51	+15.428 054 38	3.55	−14.02	−7.51	0.71	0.47	0.76	0.72	0.54	+ 9	−35	−11	−48	−31	+33	−26	− 5	+ 1	− 8	0	0.45
75531	15 25 48.56	+49 48 16.5	9.79	H	231.452 351 66	+49.804 571 69	2.00	−16.75	5.21	0.95	0.93	1.10	1.04	1.14	+13	−13	−10	−13	+ 5	−14	− 2	+16	+ 1	+31	4	0.12
75532	15 25 52.11	−18 30 57.4	7.74	H	231.467 138 39	−18.515 937 33	3.29	−19.54	2.54	0.98	0.88	1.21	1.08	1.13	−38	−19	−31	− 4	+29	−16	+20	−29	+35	−49	0	−0.87
75533	15 25 52.34	+17 33 47.8	9.13	H	231.468 094 94	+17.563 272 16	8.69	34.34	−88.26	0.99	0.96	1.34	1.25	1.41	−22	−18	−12	−33	− 1	+15	− 7	−39	+10	−38	0	0.20
75534	15 25 53.25	−54 19 14.3	7.51	H	231.471 872 81	−54.320 635 61	3.26	−6.51	−10.70	0.74	0.70	1.01	0.83	0.89	+ 8	−30	−35	+24	+ 2	−10	+ 1	+31	− 2	−13	0	0.02
75535	15 25 53.30	+19 28 50.6	6.26	H	231.472 096 05	+19.480 724 47	23.95	−53.07	−7.23	0.69	0.57	0.94	1.03	1.08	−18	−30	−12	−18	− 3	−21	−17	−19	+42	−60	0	0.79
75536	15 25 53.57	+42 11 35.1	9.17	H	231.473 208 84	+42.193 074 98	5.08	−0.90	−14.01	0.75	0.89	1.02	0.90	1.12	+ 5	+11	− 5	+14	+ 5	+ 6	+ 6	+ 4	+ 8	+ 5	0	−1.36
75537	15 25 53.98	+05 57 03.0	8.37	H	231.474 930 90	+05.950 829 34	3.01	−12.36	5.09	0.99	0.62	0.99	1.39	0.80	+ 1	−15	− 2	+ 9	−14	− 7	−11	− 4	− 9	+ 6	0	1.49
75538	15 25 55.68	−02 04 16.7	10.43	G	231.481 982 66	−02.071 295 41	11.87	169.93	−160.39	1.78	0.96	1.96	2.00	1.71	+ 8	−40	−15	+ 0	−15	−11	−24	+ 4	+ 6	−11	0	−0.52
75539	15 25 56.64	+71 20 22.5	7.70	H	231.486 001 35	+71.339 584 06	4.71	−8.89	45.57	0.58	0.57	0.63	0.63	0.62	+11	−16	−34	−20	−19	+14	−13	+ 8	−11	+ 1	1	−0.63
75540	15 25 57.47	−58 37 00.5	9.28	H	231.489 440 34	−58.616 798 45	2.88	0.21	−0.25	1.32	1.09	1.60	2.06	1.83	+19	+ 9	−10	+45	+31	− 5	+38	+15	+19	+37	2	−0.15
∗75541	15 25 59.07	+44 18 08.0	7.16	H	231.496 133 14	+44.302 233 03	2.98	16.53	3.27	0.54	0.52	0.64	0.61	0.61	+17	− 8	− 9	−16	−12	+ 7	−11	− 7	− 3	+10	0	−1.06
∗75542	15 25 59.04	−26 42 20.7	8.82	G	231.495 988 85	−26.705 758 21	40.92	−818.30	−9.93	1.59	0.74	1.57	2.64	1.41	−20	−12	−11	−46	+ 3	− 5	−18	−17	+18	+36	0	−0.29
75543	15 25 59.71	+32 28 26.7	7.02	G	231.498 780 53	+32.474 084 94	6.51	−14.38	−18.26	0.40	0.46	0.68	0.45	0.53	+23	− 3	−10	− 1	+10	−18	+12	+17	−17	+ 6	0	0.91
75544	15 26 00.37	−62 23 43.9	8.87	H	231.501 557 62	−62.395 538 68	1.35	−0.41	−6.30	0.70	0.89	1.29	0.84	1.17	− 7	−16	+ 4	+33	+25	−16	+31	+15	−13	+ 4	0	−1.42
75545	15 26 00.82	−40 32 40.9	8.98	H	231.503 396 41	−40.544 700 88	1.39	−3.69	−8.28	0.95	0.89	1.25	1.22	1.24	−43	−18	− 7	+18	−15	−17	−17	+42	− 5	−39	0	0.98
75546	15 26 01.00	−55 26 44.1	8.97	H	231.504 158 69	−55.445 596 69	4.35	11.03	−5.19	0.94	0.93	1.28	1.17	1.39	− 3	−22	−26	+26	+ 7	−15	+ 5	+19	− 6	−16	2	0.51
75547	15 26 02.25	−30 06 14.7	9.68	H	231.509 355 65	−30.104 083 76	2.62	10.83	−11.92	1.26	0.82	1.45	1.44	1.44	−33	−12	−16	+15	−20	− 3	−22	+27	+21	−46	0	1.07
75548 H	15 26 03.11	+21 27 35.6	9.09	H	231.512 968 92	+21.459 902 35 A	2.64	−2.44	10.27	1.94	2.17	2.90	2.28	2.64	−43	+ 2	−16	+48	−16	+ 9	−23	+ 8	+ 8	−61	0	0.70
75549	15 26 03.72	−36 28 22.7	7.62	H	231.515 502 83	−36.472 983 70	2.87	−23.88	11.89	0.90	0.64	1.08	1.18	0.96	−14	− 8	−22	+11	−10	+ 8	−11	+22	− 7	+ 8	0	1.26
75550	15 26 04.30	−29 25 49.9	9.12	H	231.517 900 22	−29.430 530 57	1.41	−3.50	1.84	1.25	0.64	1.39	1.63	1.37	−23	− 9	− 9	+37	−11	+13	− 8	+24	+32	−26	0	1.37
75551	15 26 04.38	−75 56 47.3	8.31	H	231.518 244 71	−75.946 470 43	3.51	−20.65	−14.14	0.61	0.67	0.83	0.68	0.78	+20	−12	− 2	− 6	+12	− 3	+10	+17	+12	+22	0	0.67
75552	15 26 05.39	−21 22 49.0	6.97	H	231.522 455 39	−21.380 274 18	4.63	−39.79	16.18	0.98	0.71	1.20	1.58	0.99	− 6	+ 3	−47	−37	+11	−40	−16	−12	+20	+ 0	0	0.89
75553	15 26 05.45	−25 37 01.1	8.66	G	231.522 705 83	−25.616 977 98	1.18	−19.48	−10.59	1.13	0.66	1.28	1.30	0.98	−21	−32	−18	−12	+ 2	+ 8	+ 2	− 8	+ 5	− 6	2	−1.20
75554	15 26 05.92	−11 41 55.6	8.45	H	231.524 677 54	−11.698 770 77	10.40	−14.85	−12.04	1.01	0.71	1.13	1.38	1.04	−48	−15	+ 6	+17	−26	+16	−23	+17	−22	−21	0	1.30
75555	15 26 06.12	−50 47 51.9	8.51	G	231.525 496 90	−50.797 754 46	15.70	15.83	3.75	0.87	0.77	1.14	0.91	0.91	−12	−18	−12	− 6	+ 5	−24	+ 3	+ 8	−11	− 5	0	0.21
75556	15 26 06.22	+24 45 18.5	9.36	H	231.525 908 39	+24.755 137 28	2.29	−36.73	5.38	0.88	1.08	1.42	1.06	1.62	−25	−10	− 7	+32	+14	−27	− 3	−23	+15	−56	0	0.78
75557	15 26 06.54	−44 52 05.3	8.84	H	231.527 237 28	−44.868 148 59	3.41	0.52	−0.71	1.02	0.76	1.29	1.12	0.96	−19	−14	−13	− 9	+10	−39	+ 6	+ 6	+ 5	−22	0	−1.18
75558	15 26 06.87	−39 53 20.3	7.38	H	231.528 608 93	−39.888 982 69	3.83	−15.39	−11.21	0.73	0.61	0.91	1.07	0.84	−25	+ 2	− 9	+27	+ 7	+11	+ 6	+33	− 8	− 7	0	1.29
75559	15 26 07.80	−01 03 34.5	9.24	H	231.532 491 98	−01.059 586 44	10.07	2.59	−64.54	1.16	0.67	1.33	1.46	1.37	−13	−31	+ 8	+37	+ 0	−14	− 1	+ 4	− 3	−33	0	−0.06
75560 H	15 26 08.91	+18 10 16.3	7.87	G	231.537 133 60	+18.171 197 38 A	6.33	12.44	−6.80	2.32	2.58	2.40	2.44	3.07	− 3	−26	−10	− 4	− 3	+ 7	−12	− 9	+23	−62	0	0.12
75561	15 26 11.69	−38 09 25.0	9.30	H	231.548 709 92	−38.156 957 82	4.84	−1.13	−56.68	1.06	0.83	1.39	1.17	1.08	−24	−14	− 3	+ 3	+ 8	−15	+11	+ 6	−25	− 5	0	−1.40
75562	15 26 12.85	+12 56 26.8	8.25	G	231.553 556 70	+12.940 770 06	2.28	−3.15	−2.22	0.97	0.67	1.00	1.02	0.89	− 7	−32	− 9	+28	−12	+ 0	−16	+ 7	+ 1	−25	0	0.51
75563 H	15 26 13.05	−28 18 37.7	9.94	2 H	231.554 375 49	−28.310 476 14 ∗	7.44	19.62	−21.25	3.18	1.81	2.20	2.62	2.10	−29	+12	− 8	+ 5	+ 4	− 4	+ 9	+ 2	+34	+19	1	−0.80
75564	15 26 13.72	+26 43 11.8	9.20	H	231.557 167 21	+26.719 932 66	6.11	−55.56	0.60	0.93	0.87	1.41	0.96	1.07	−17	−29	+ 0	+39	−20	−14	−23	+29	+ 2	−40	0	0.46
75565	15 26 14.53	−68 18 33.1	5.89	H	231.560 534 40	−68.309 189 36	9.75	123.08	9.26	0.32	0.44	0.61	0.37	0.53	+24	−13	+ 7	− 8	+ 5	+ 4	+ 2	+10	+ 8	+35	0	0.46
75566	15 26 14.73	+06 42 00.2	10.28	H	231.561 359 11	+06.700 047 59	4.66	−13.79	−9.60	1.64	0.97	1.89	2.22	1.41	− 5	−42	− 8	− 3	−15	+ 7	−16	− 9	+ 4	−21	2	0.84
75567	15 26 15.05	+07 52 22.2	10.43	H	231.562 698 92	+07.872 839 02 A	3.15	13.80	−0.61	4.11	2.80	4.46	5.45	3.30	− 1	−13	−18	+27	+15	+ 0	+ 3	−30	+13	−21	8	2.42
75568	15 26 15.32	−42 51 44.0	8.42	H	231.563 828 26	−42.862 223 96 A	11.64	−67.67	−28.22	2.41	1.87	2.32	2.32	2.11	− 9	−29	−13	+17	+10	−23	+ 8	+17	+ 2	+ 0	3	2.42
75569	15 26 16.50	−48 38 18.6	8.05	G	231.568 747 64	−48.638 496 53	14.15	−48.77	−23.63	0.77	0.69	1.00	0.86	0.99	−22	−27	−22	+ 3	+ 7	− 3	+12	+11	+ 0	−44	0	1.45
75570	15 26 17.18	−42 51 46.9	9.70	H	231.571 568 33	−42.863 033 04 B	−5.68	−29.32	−20.10	16.80	13.00	8.96	9.37	7.92	−14	−23	−15	+12	+ 9	−25	+ 5	+17	+ 2	− 2	3	2.42
75571	15 26 17.21	−36 35 53.7	6.81	H	231.571 724 87	−36.598 257 98	8.37	−6.03	−39.74	0.79	0.60	0.96	0.97	0.83	−14	−14	−22	+12	− 6	+ 0	− 5	+21	−18	+ 0	0	0.55
75572	15 26 17.46	+34 20 09.1	5.46	1 H	231.572 770 20	+34.335 849 60	6.66	−114.43	60.34	0.37	0.44	0.59	0.39	0.48	+11	− 2	−12	− 6	+ 3	− 6	+ 3	− 2	+ 3	− 1	0	−1.01
75573	15 26 17.61	−24 59 18.8	8.78	G	231.573 358 13	−24.988 544 30	3.31	−19.55	−12.51	1.24	0.74	1.45	1.37	1.01	−16	−25	−26	+ 7	+ 4	+23	+16	− 7	+ 4	− 9	0	0.90
75574	15 26 17.73	+35 18 55.1	10.16	H	231.573 880 02	+35.315 300 33	3.93	3.57	−23.17	0.97	1.02	1.43	1.17	1.16	+20	− 7	− 2	+ 8	+ 8	− 9	+ 8	+10	− 5	+15	0	0.86
75575	15 26 20.19	−42 23 54.0	8.66	H	231.584 113 57	−42.398 343 75	5.55	−26.34	−22.16	0.93	0.74	1.12	0.93	0.86	−22	−33	−15	+17	+10	− 7	+11	+20	− 4	−11	0	−0.62
∗75576	15 26 20.92	+87 26 07.4	9.10	H	231.587 176 77	+87.435 400 72	7.67	−37.43	21.97	0.69	0.72	0.79	0.66	0.93	− 4	− 6	−10	−22	− 1	− 5	− 5	− 2	+ 0	+ 4	0	−0.20
∗75577	15 26 20.81	+14 41 36.4	7.93	H	231.586 718 10	+14.693 449 96	−0.01	7.99	−10.08	0.63	0.59	0.85	0.63	0.68	−24	−20	+10	−22	−25	+27	−26	+ 4	−17	−40	0	−0.79
∗75578	15 26 20.75	−23 23 19.9	10.21	H	231.586 463 04	−23.388 850 50	7.37	17.39	−12.65	2.18	1.37	2.56	2.24	1.81	+ 7	−50	−33	+ 0	−18	+25	+ 1	+31	−22	−11	3	0.95
75579	15 26 26.17	+35 22 19.9	9.32	H	231.609 034 79	+35.372 187 40	5.07	−1.16	−34.09	0.82	0.83	1.18	1.00	0.98	+17	−17	−20	+ 4	+12	−13	+14	+19	−19	+ 4	3	2.78
75580 H	15 26 26.56	+44 00 13.2	7.49	H	231.610 651 81	+44.003 655 74 A	11.15	107.90	−70.59	0.99	0.93	1.04	1.00	0.96	+17	− 5	−19	−13	−13	+11	−11	+12	− 7	+ 3	1	1.53
75581	15 26 28.14	+52 03 09.1	7.09	1 H	231.617 234 57	+52.052 526 50	2.80	−12.61	14.53	0.59	0.56	0.65	0.66	0.69	+19	−32	− 6	+24	+14	− 8	+14	+21	− 2	+31	1	−0.78
75582	15 26 29.81	−64 12 45.8	8.36	H	231.624 210 49	−64.212 723 06	2.90	−5.64	−8.05	0.58	0.72	0.98	0.71	0.92	− 7	−23	+ 6	+23	+ 7	−18	+12	+14	−18	− 1	1	−1.25
75583	15 26 30.15	+28 07 39.3	7.47	H	231.625 616 66	+28.127 573 51	2.57	6.16	−19.67	0.64	0.61	0.93	0.72	0.73	+11	−20	−10	+47	−11	−12	−17	+29	+13	− 2	0	1.90
75584	15 26 30.28	+10 02 10.0	6.97	2 H	231.626 184 30	+10.036 098 11	3.97	−14.24	−14.38	0.82	0.58	0.93	1.06	0.73	−10	−16	−13	+13	− 9	−21	−16	−15	− 3	−28	2	0.36
75585	15 26 30.60	−44 50 52.4	8.85	H	231.627 493 56	−44.847 880 16	3.86	−38.19	−25.10	0.97	0.77	1.27	0.99	0.91	−25	−25	+ 4	− 6	+ 6	−29	+11	+ 4	−13	−16	0	1.44
75586	15 26 31.74	−01 15 11.2	10.69	H	231.632 230 11	−01.253 104 08	14.99	67.55	−114.21	2.05	1.29	2.56	2.71	2.37	−13	−26	−10	+27	− 6	−12	−16	+ 0	+26	−29	0	0.51
75587	15 26 32.17	+54 01 13.2	6.44	H	231.634 051 77	+54.020 327 34	8.99	17.91	−13.68	0.49	0.47	0.55	0.52	0.52	+ 4	−17	− 4	− 2	+ 6	− 9	+ 7	+ 6	− 3	− 2	1	−0.29
75588	15 26 34.22	+40 35 41.1	8.76	H	231.642 572 34	+40.594 739 21	9.81	−18.00	30.96	0.64	0.67	0.86	0.74	0.75	+ 4	+ 8	−15	− 4	+ 1	+ 8	+ 3	+11	− 9	− 6	0	0.40
75589	15 26 34.89	+54 53 56.4	8.71	G	231.645 373 39	+54.898 993 17 A	9.00	−34.38	8.40	2.00	2.13	1.81	2.05	2.19	+10	− 6	−12	−27	− 7	+ 0	− 5	−19	+10	−16	10	0.93
75590	15 26 35.97	+54 54 05.0	9.63	H	231.649 879 81	+54.901 401 95 B	9.20	−35.38	11.57	6.74	7.74	3.37	3.73	3.88	+11	− 6	−15	−20	−13	+ 4	−10	−12	+11	−17	10	0.93
75591	15 26 36.26	+27 24 12.0	8.35	H	231.651 103 76	+27.403 337 46	11.89	29.33	10.98	0.70	0.74	1.10	0.73	0.83	+ 1	−18	−11	+33	−30	− 6	−32	+39	+ 1	−12	0	1.47
75592	15 26 37.08	−31 38 38.5	9.81	H	231.654 488 26	−31.644 017 88	9.33	−69.76	−30.85	1.45	0.86	1.58	1.60	1.35	−20	−19	− 5	−14	−13	+ 1	−21	+12	−12	+ 2	0	1.25
75593 H	15 26 38.38	−05 39 20.2	8.53	G	231.659 936 64	−05.655 624 60 A	9.18	−65.71	23.30	2.85	1.75	2.83	3.38	2.71	+ 8	−21	−18	+45	− 2	− 9	−16	+ 9	+26	−26	1	−0.15
75594	15 26 41.56	−45 30 47.8	7.60	H	231.673 167 29	−45.513 289 67	4.41	6.09	−23.45	0.75	0.64	0.97	0.74	0.74	−19	−34	−16	+ 3	+ 7	−25	+ 4	+10	+ 1	−27	2	0.36
75595	15 26 43.64	+45 36 13.6	7.16	H	231.681 830 55	+45.603 790 81	19.20	−26.28	51.20	0.50	0.51	0.61	0.59	0.64	+ 4	+ 9	− 3	− 1	−10	+ 9	−14	− 7	−21	−24	0	−0.26
75596	15 26 43.68	−47 25 17.4	8.19	H	231.682 009 60	−47.421 503 08	2.73	−15.17	−13.83	1.01	1.14	1.36	1.40	1.73	−43	− 2	−41	+27	−27	− 8	−26	+50	− 7	−64	0	0.97
75597	15 26 44.37	−60 36 52.7	8.81	H	231.684 868 53	−60.614 652 38	0.12	−0.13	−0.27	0.99	0.90	1.33	1.26	1.18	+32	−14	−31	+14	+32	+ 0	+29	+ 4	+28	+35	0	0.33
75598	15 26 44.61	−22 30 19.4	8.11	H	231.685 882 91	−22.505 399 78	6.27	−29.48	−22.66	1.19	0.73	1.20	1.68	1.13	+ 1	−20	− 8	− 8	−15	−19	−21	+13	−12	+27	0	1.69
75599

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
75501	4.617	0.002	4.603	0.002		0.000	0.015	G	0.02	0.02	A	4.6108	0.0006	0.005	100		4.61	4.62		C	15253−3845	I 1	1 X						S
75502	11.865	0.109	10.917	0.079		0.836	0.100	T	0.85	0.07	L	10.8754	0.0040	0.034	111		10.83	10.94		C			1						G
75503	10.160	0.031	9.622	0.029		0.512	0.032	T	0.58	0.03	L	9.6778	0.0021	0.017	93		9.64	9.71		C			1						
75504	8.717	0.018	7.610	0.012	*	0.955	0.017	T	0.94	0.01	L *	7.6838	0.0020	0.013	52	*	7.67	7.72		D	15254−2156	I 1	2 C A	AB	192	9.710	0.007	1.76	0.03	S
75505	9.165	0.012	9.054	0.015		0.108	0.018	T	0.12	0.02	L	9.0876	0.0023	0.019	118		9.05	9.12					1						
75506	10.593	0.055	8.730	0.021		1.549	0.047	T	1.61	0.10	L	8.6982	0.0020	0.014	49		8.67	8.72		C			1						
75507	9.517	0.018	8.580	0.014		0.814	0.018	T	0.84	0.01	L	8.6290	0.0014	0.015	94		8.60	8.65		C			1						
75508	8.000	0.008	7.336	0.008		0.615	0.010	T	0.68	0.01	L	7.4018	0.0009	0.010	121		7.38	7.42		C			1 O						S
75509	7.782	0.009	7.647	0.008		0.122	0.011	T	0.14	0.01	L	7.6727	0.0014	0.011	74		7.66	7.69		C			1						S
75510	9.711	0.018	7.841	0.008		1.600	0.015	G	1.61	0.09	H	7.7485	0.0029	0.019	107		7.72	7.78		U			1						S
75511	10.104	0.034	9.429	0.030		0.614	0.034	T	0.68	0.03	L	9.4698	0.0034	0.018	71		9.44	9.50					1						
75512	10.472	0.049	9.072	0.025		1.183	0.043	T	1.14	0.04	L	9.0778	0.0017	0.020	118		9.05	9.12		C			1						
75513	9.453	0.015	8.208	0.010		1.062	0.014	T	1.03	0.01	L	8.2528	0.0011	0.014	124		8.23	8.28					1						
75514	8.848	0.016	8.521	0.017		0.314	0.025	T	0.36	0.03	L	8.5746	0.0023	0.014	65		8.56	8.60		C			1						S
75515	9.524	0.022	8.264	0.014		1.074	0.020	T	1.04	0.02	L	8.2953	0.0018	0.014	67		8.27	8.31		C			1						
75516	10.537	0.051	10.188	0.057		0.331	0.071	T	0.39	0.10	L	10.1424	0.0059	0.031	67		10.01	10.20					1 X						G
75517	8.977	0.017	8.793	0.021		0.169	0.026	T	0.18	0.03	L	8.8368	0.0013	0.011	56		8.81	8.86		C			1						
75518	10.252	0.023	9.436	0.018		0.737	0.022	T	0.78	0.02	L	9.5111	0.0021	0.025	148		9.46	9.57		D			1						
75519	9.830	0.025	9.373	0.025	A	0.600	0.495	G	0.49	0.14	L *	9.0167	0.0028	0.022	107	*	8.98	9.07		D	15257+2638	I 1	2 C A	AB	215	1.422	0.007	0.10	0.02	S
75520						0.480	0.072	G	0.55	0.08	R	10.6986	0.0037	0.038	125		10.58	10.75					1						G
75521	7.577	0.006	7.153	0.006		0.427	0.015	G	0.49	0.02	H	7.2072	0.0008	0.008	105		7.20	7.22		C			1						S
75522	6.999	0.006	6.690	0.006		0.270	0.006	G	0.30	0.01	H	6.7392	0.0009	0.008	85		6.72	6.75					1						S
75523	7.550	0.007	7.475	0.010		0.074	0.011	T	0.09	0.01	L	7.5045	0.0018	0.013	79		7.48	7.53					1						S
75524	10.686	0.049	9.899	0.036		0.714	0.047	T	0.77	0.04	L	10.0303	0.0023	0.025	87		9.98	10.08					1						
75525	10.876	0.066	10.201	0.056	*	0.614	0.065	T	0.68	0.06	L *	10.1220	0.0038	0.022	64	*	10.08	10.16		R	15258−1543	I 1	2 C A	AB	291	0.974	0.013	1.53	0.04	
75526	10.671	0.057	9.553	0.036		0.963	0.052	T	0.95	0.04	L	9.6012	0.0020	0.018	78		9.57	9.63		C			1						
75527	10.359	0.042	8.930	0.021		1.206	0.037	T	1.17	0.04	L	8.9089	0.0019	0.021	111		8.87	8.95		C			1						
75528	10.585	0.042	9.847	0.035		0.676	0.044	T	0.74	0.04	L	9.9093	0.0036	0.029	108		9.86	9.97					1						
75529	9.793	0.023	8.877	0.017	*	0.797	0.022	T	0.83	0.02	L *	8.9477	0.0037	0.024	112	*	8.91	8.98		R	15258+8430	I 1	2 C S A	AB	18	0.183	0.006	0.39	0.23	
75530	7.289	0.006	5.342	0.003		1.650	0.006	T	1.84	0.02	O	5.2516	0.0011	0.008	95		5.24	5.27					1						S
75531	10.183	0.027	9.835	0.029		0.330	0.037	T	0.38	0.05	L	9.8697	0.0044	0.036	111		9.81	9.93		R			1						
75532	7.917	0.011	7.752	0.011		0.151	0.015	T	0.17	0.01	L	7.7961	0.0014	0.009	49		7.78	7.81		C			1						S
75533	9.726	0.019	9.167	0.018		0.523	0.023	T	0.60	0.02	L	9.2422	0.0022	0.023	118		9.20	9.28		C			1						
75534	8.815	0.016	7.633	0.011		1.013	0.015	T	0.99	0.01	L	7.6792	0.0015	0.010	81		7.66	7.70		C			1						
75535	7.024	0.005	6.319	0.005		0.618	0.012	G	0.69	0.01	H	6.3856	0.0008	0.009	103		6.37	6.41					1						S
75536	9.718	0.017	9.202	0.016		0.485	0.021	T	0.56	0.02	L	9.2731	0.0017	0.025	127		9.22	9.31					1						S
75537	8.528	0.013	8.367	0.015		0.155	0.019	T	0.17	0.02	L	8.4235	0.0013	0.014	73		8.40	8.45		C			1						S
75538	11.589	0.093	10.425	0.049		0.820	0.004	G	0.86	0.00	H	10.5674	0.0031	0.027	101		10.51	10.62		C			1						G
75539	9.018	0.013	7.819	0.008		1.026	0.012	T	1.00	0.01	L	7.8694	0.0011	0.015	106		7.85	7.90					1						
75540	10.642	0.046	9.442	0.028		1.027	0.042	T	1.00	0.03	L	9.4510	0.0037	0.022	83		9.41	9.50		C			1						G
75541	8.984	0.011	7.310	0.006		1.399	0.001	G	1.35	0.03	L	7.3053	0.0009	0.012	131		7.28	7.33		D			1						S
75542	10.212	0.042	8.886	0.022		1.045	0.017	G	1.10	0.02	I	8.9316	0.0022	0.014	66		8.91	8.96		C			1						
75543	8.561	0.007	7.128	0.004		1.200	0.015	G	1.16	0.01	I	7.1729	0.0008	0.009	200		7.16	7.19					1						S
75544	10.415	0.029	9.029	0.015		1.172	0.026	T	1.13	0.02	L	9.0364	0.0021	0.021	148		9.00	9.07		C			1						
75545	9.159	0.015	8.990	0.018		0.147	0.015	G	0.16	0.01	H	9.0273	0.0019	0.014	92		9.01	9.06		C			1						
75546	10.276	0.034	9.097	0.022		1.011	0.032	T	0.99	0.03	L	9.1397	0.0027	0.021	77		9.09	9.18					1						
75547	10.653	0.042	9.786	0.032		0.775	0.040	T	0.81	0.03	L	9.8322	0.0026	0.023	97		9.79	9.87		C			1						S
75548	9.682	0.025	9.077	0.022	*	0.564	0.029	T	0.64	0.03	L *	9.2085	0.0021	0.025	140	*	9.17	9.28		D	15261+2128	I 1	2 C A	AB	91	9.612	0.006	1.16	0.03	S
75549	9.206	0.019	7.749	0.011		1.228	0.017	T	1.19	0.02	L	7.7851	0.0017	0.012	70		7.77	7.80		C			1						
75550	10.804	0.048	9.300	0.021		1.265	0.041	T	1.22	0.04	L	9.2863	0.0023	0.017	89		9.26	9.31		C			1						
75551	9.538	0.014	8.421	0.009		0.962	0.013	T	0.95	0.01	L	8.4721	0.0015	0.016	151		8.45	8.50					1						
75552	8.411	0.012	7.100	0.009		1.114	0.012	T	1.08	0.01	L	7.1341	0.0010	0.006	50		7.13	7.15		C			1						S
75553	8.982	0.016	8.705	0.018		0.312	0.015	G	0.36	0.02	H	8.7283	0.0022	0.013	73		8.71	8.75		C			1						
75554	8.930	0.013	8.508	0.013		0.399	0.017	T	0.46	0.02	L	8.5392	0.0021	0.016	89		8.51	8.57		C			1						S
75555	9.130	0.016	8.545	0.015		0.520	0.015	G	0.59	0.02	H	8.6169	0.0018	0.014	93		8.60	8.65					1						
75556	10.874	0.052	9.566	0.029		1.111	0.047	T	1.07	0.05	L	9.5306	0.0032	0.027	115		9.49	9.58		R			1						
75557	10.787	0.047	9.051	0.020		1.448	0.040	T	1.45	0.06	L	8.9782	0.0019	0.017	92		8.96	9.01		C			1						
75558	7.384	0.006	7.368	0.007		−0.007	0.005	G	0.01	0.01	H	7.3836	0.0014	0.011	89		7.36	7.40					1						S
75559	9.886	0.024	9.292	0.023		0.554	0.029	T	0.63	0.03	L	9.3668	0.0021	0.019	104		9.33	9.39		C			1						
75560	8.565	0.010	7.944	0.009	*	0.606	0.015	G	0.68	0.01	H *	7.9867	0.0017	0.016	98	*	7.96	8.01		D	15261+1810	I 1	2 C A	AB	327	0.555	0.003	0.35	0.02	S
75561	9.907	0.025	9.357	0.025		0.521	0.026	T	0.59	0.03	L	9.4090	0.0028	0.021	94		9.37	9.45					1						
75562	9.384	0.019	8.363	0.014		0.890	0.020	G	0.90	0.01	H	8.4152	0.0020	0.013	66		8.38	8.44					1						S
75563	10.775	0.059	10.044	0.047	*	0.656	0.057	T	0.72	0.05	L *	10.0778	0.0030	0.025	98	*	9.97	10.15		U 2	15262−2819	I 1	2 C A	AS	221	0.232	0.007	0.20	0.13	G
75564	9.665	0.016	9.238	0.017		0.403	0.022	T	0.47	0.02	L	9.2910	0.0019	0.023	123		9.26	9.33					1						
75565	7.170	0.004	6.004	0.003		1.000	0.004	T	0.98	0.00	L	6.0546	0.0006	0.008	228		6.04	6.07			15263−6819	I 1	1						S
75566	10.748	0.066	10.283	0.064		0.391	0.072	G	0.46	0.08	R	10.3739	0.0030	0.025	66		10.32	10.42					1						
75567	11.021	0.063	10.492	0.061	A	0.560	0.072	G	0.63	0.07	R	10.5463	0.0298	0.049	80	A	10.27	10.64			15263+0752	H 1	2 C A	AB	184	14.557	0.038	1.97	0.20	
75568	9.097	0.017	8.450	0.015	A	0.593	0.017	T	0.66	0.02	L	8.5451	0.0250	0.082	112	A	8.39	8.61		D	15263−4252	I 2	1 C P A						
75569	8.606	0.012	8.117	0.011		0.491	0.015	G	0.56	0.02	H	8.1529	0.0015	0.010	92		8.13	8.17		C			1						
75570	11.067	0.068	9.654	0.031	B	1.194	0.059	T	1.15	0.05	L	9.8193	0.0616			B				D	15263−4252	I 2	1 C I A						
75571	8.246	0.013	6.926	0.007		1.121	0.012	T	1.08	0.01	L	6.9786	0.0010	0.008	75		6.97	6.99		C			1						S
75572	7.311	0.004	5.619	0.002		1.410	0.004	G	1.42	0.06	F	5.5968	0.0007	0.008	193		5.58	5.61		M			1						S
75573	9.312	0.021	8.845	0.021		0.460	0.020	G	0.53	0.02	H	8.8856	0.0022	0.015	64		8.86	8.92		C			1						
75574	10.915	0.042	10.237	0.036		0.627	0.046	T	0.69	0.04	L	10.2958	0.0024	0.033	163		10.22	10.35					1						
75575	9.074	0.013	8.686	0.014		0.379	0.016	T	0.44	0.02	L	8.7515	0.0025	0.023	113		8.72	8.80		C			1						
75576	9.653	0.018	9.141	0.017		0.481	0.022	T	0.55	0.02	L	9.2036	0.0016	0.018	126		9.17	9.25		C			1						
75577	7.848	0.007	7.905	0.010		−0.047	0.011	T	−0.03	0.01	L	7.9224	0.0013	0.014	142		7.90	7.95					1						S
75578	10.794	0.064	10.104	0.056		0.637	0.070	T	0.70	0.06	L	10.3478	0.0036	0.026	53		10.29	10.39		D			1						G
75579	9.989	0.020	9.379	0.018		0.568	0.024	T	0.64	0.02	L	9.4476	0.0023	0.023	161		9.40	9.48		C			1						
75580	8.080	0.010	7.476	0.010	*	0.563	0.012	T	0.64	0.01	L *	7.6103	0.0014	0.012	135	*	7.59	7.63		D	15264+4400	I 1	2 C A	AB	280	2.028	0.004	1.32	0.02	S
75581	9.210	0.013	7.268	0.006		1.611	0.011	T	1.63	0.01	L	7.2037	0.0025	0.019	109		7.17	7.23		U 2			1						S
75582	8.381	0.009	8.363	0.011		0.021	0.013	T	0.04	0.01	L	8.3771	0.0018	0.019	147		8.35	8.41					1						
75583	9.208	0.014	7.613	0.007		1.337	0.012	T	1.30	0.01	L	7.6219	0.0010	0.013	127		7.60	7.65		D			1						S
75584	9.038	0.013	7.138	0.006		1.640	0.015	G	1.85	0.05	F	7.0678	0.0104	0.051	86		7.00	7.15		U 2			1						S
75585	10.069	0.026	8.911	0.017		0.994	0.024	T	0.97	0.02	L	9.0120	0.0021	0.019	89		8.98	9.04					1						
75586	12.070	0.171	10.742	0.078		1.123	0.152	T	1.09	0.16	L	10.8338	0.0052	0.046	103		10.71	10.90					1 S						G
75587	6.522	0.003	6.442	0.003		0.079	0.004	T	0.09	0.00	L	6.4711	0.0008	0.007	106		6.46	6.48		C			1						S
75588	9.835	0.019	8.831	0.013		0.877	0.017	T	0.89	0.01	L	8.9189	0.0016	0.020	140		8.89	8.95		C			1						
75589	9.056	0.016	8.701	0.017	A	0.351	0.003	G	0.41	0.00	H	8.7576	0.0095	0.073	116	A	8.72	8.95		D	15266+5454	I 2	1 C P A						S
75590	10.052	0.031	9.574	0.031	B	0.443	0.020	G	0.39	0.23	L	9.7922	0.0196			B				D	15266+5454	I 2	1 C I A						
75591	8.921	0.010	8.395	0.010		0.494	0.013	T	0.57	0.01	L	8.4563	0.0018	0.018	143		8.43	8.48					1						S
75592	10.716	0.049	9.832	0.036		0.773	0.047	T	0.81	0.03	L	9.9520	0.0028	0.022	82		9.91	9.99		C			1						G
75593	9.194	0.018	8.627	0.017	*	0.516	0.015	G	0.59	0.02	H *	8.6302	0.0015	0.014	85	*	8.60	8.67		D	15266−0539	I 1	2 C A	AB	180	0.596	0.003	0.73	0.02	S
75594	8.903	0.013	7.712	0.009		1.020	0.012	T	0.99	0.01	L	7.7657	0.0018	0.012	96		7.74	7.79					1						S
75595	7.770	0.006	7.219	0.006		0.516	0.008	T	0.59	0.01	L	7.2777	0.0010	0.009	127		7.25	7.29					1						S
75596	9.565	0.023	8.329	0.014		1.055	0.021	T	1.02	0.02	L	8.3621	0.0016	0.014	75		8.33	8.38		C			1						
75597	10.420	0.033	9.006	0.017		1.194	0.029	T	1.15	0.03	L	8.9726	0.0024	0.022	119		8.93	9.01					1 S						
75598	9.494	0.023	8.222	0.014		1.083	0.021	T	1.05	0.02	L	8.2787	0.0019	0.011	61		8.25	8.31					1						S
75599	9.564	0.021	8.018	0.011		1.298	0.019	T	1.26	0.02	L	8.0391	0.0017	0.011	72		8.03	8.06		C			1						S
75600	11.964	0.128	11.071	0.093		0.560	0.072	G	0.63	0.07	R	11.3259	0.0045	0.042	130		11.26	11.41		C			1						G

Number	Descriptor: epoch J1991.25					Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA		Dec	V		α (ICRS)		δ	π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	$\mu_{\alpha*}$	F1	F2
	h m s		±° ′ ″	mag		deg		deg	mas	mas/yr		mas		mas	mas/yr		$\alpha*$	$\alpha*$	δ	$\alpha*$	δ	$\alpha*$	δ	π	$\mu_{\alpha*}$		%	
1 2	3		4	5	6 7	8		9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
75601	15 26 46.96		−17 59 56.5	9.67	G	231.695 654 46		−17.999 023 08	2.54	−0.31	−9.49	1.38	1.08	1.69	1.51	1.36	−19	−18	−32	+17	+13	+ 0	+12	− 3	+25	−26	0	−2.40
75602 H	15 26 47.14		+28 40 04.1	9.01	H	231.696 419 51		+28.667 797 76	* 6.64	−12.49	−19.06	1.32	1.84	1.76	1.40	1.52	+16	+ 0	−10	+35	− 6	+ 1	−14	+11	+15	− 3	1	−1.40
75603	15 26 47.20		−76 41 26.1	8.67	H	231.696 679 72		−76.690 590 14	1.39	7.14	−8.32	0.63	0.72	0.88	0.71	0.82	+15	−10	+ 0	− 8	+ 4	+ 6	+ 1	+25	+17	+18	1	0.67
75604	15 26 47.26		−72 01 38.3	9.22	G	231.696 907 77		−72.027 310 52	15.37	−245.86	−227.83	0.74	0.89	1.13	0.79	1.09	+16	−24	+ 6	+ 5	+ 4	−14	+ 4	+22	− 6	+26	0	−0.57
75605	15 26 49.24		−27 58 19.9	7.78	H	231.705 158 70		−27.972 204 88	8.54	−0.22	33.53	0.92	0.55	1.08	1.14	1.13	−34	−11	−11	+14	− 2	+ 6	+ 1	+ 4	+21	−46	0	−0.70
75606	15 26 50.04		+37 17 41.8	8.50	H	231.708 511 80		+37.294 944 10	4.49	10.51	−54.69	0.61	0.67	0.87	0.78	0.85	+12	− 5	−17	− 2	− 4	+ 7	− 3	+ 1	+ 7	− 7	0	0.12
75607	15 26 50.35		−20 00 18.3	6.97	G	231.709 790 06		−20.005 079 19	4.38	14.53	0.89	0.89	0.83	1.10	1.29	1.12	−30	− 4	−41	− 2	+25	−23	+17	−21	+26	−30	0	0.26
75608	15 26 51.55		−55 01 03.8	8.02	G	231.714 792 46		−55.017 724 67	4.73	−4.96	−14.48	0.79	0.67	0.97	0.92	0.89	+ 5	−37	−21	+29	+ 5	−13	+ 0	+25	+ 6	− 3	0	0.56
75609	15 26 54.63		−55 31 42.6	8.38	H	231.727 627 78		−55.528 497 61	2.28	1.01	−2.03	0.87	0.84	1.18	1.22	1.11	+ 3	−24	−38	+37	+15	−26	+ 2	+ 5	+13	− 8	0	−1.17
75610	15 26 54.76		+27 16 37.2	8.14	1 H	231.728 155 17		+27.276 987 46	2.46	−43.99	14.97	0.69	0.76	1.12	0.73	0.87	− 3	−19	−15	+31	−27	−11	−28	+38	− 3	−20	3	−0.60
75611	15 26 55.12		−62 45 56.7	7.74	H	231.729 665 67		−62.765 753 03	2.94	−11.05	−14.42	0.48	0.64	0.89	0.59	0.81	−13	−13	+10	+20	+24	− 8	+26	+18	+ 2	− 3	0	0.14
75612	15 26 55.14		−46 21 28.0	9.11	H	231.729 752 68		−46.357 764 75	3.71	−7.81	−19.53	1.01	0.91	1.38	1.11	1.08	−19	−12	−25	+ 9	+15	−10	+14	+12	+ 0	−10	0	0.56
75613	15 26 57.42		−44 06 27.1	7.77	H	231.739 242 81		−44.107 537 09	6.56	−11.32	−18.01	0.79	0.64	0.91	1.05	0.91	−13	− 9	− 2	+38	+ 8	+ 7	+10	+34	− 3	− 9	0	−0.59
75614	15 26 58.72		+01 41 03.2	9.77	H	231.744 657 24		+01.684 225 06	11.17	−25.84	17.43	1.35	0.78	1.49	1.65	1.24	+ 6	−35	−15	+21	− 4	+ 9	− 7	+ 9	+ 6	− 8	0	−0.03
75615	15 26 59.26		−07 03 27.6	9.73	H	231.746 904 34		−07.057 664 40	3.39	−36.80	1.25	1.42	0.81	1.74	1.76	1.28	−14	−40	− 7	+ 6	− 6	+14	+11	− 2	−31	+ 1	2	0.74
75616	15 27 00.33		+36 33 53.0	9.08	2 H	231.751 365 91		+36.564 719 17	0.11	2.23	−9.79	0.74	0.80	1.08	0.81	0.88	+ 6	− 4	−17	+ 7	+15	− 4	+16	+12	− 9	+ 2	0	0.43
75617 H	15 27 02.02		−24 31 34.5	9.79	H	231.758 432 16		−24.526 262 11	B 6.72	−6.99	2.64	6.26	5.62	3.45	3.21	2.76	−30	− 9	−13	+ 3	−12	+47	− 4	+14	−40	−52	0	−1.19
75618	15 27 02.82		−32 37 56.9	9.74	H	231.761 748 45		−32.632 478 92	13.22	−31.26	4.56	1.35	0.88	1.61	1.29	1.27	− 8	−26	−18	− 1	− 9	+ 1	− 2	+19	−33	−12	2	0.96
75619	15 27 02.96		−03 33 42.3	8.87	H	231.762 325 48		−03.561 743 11	3.76	−16.13	−4.86	1.11	0.59	1.23	1.34	1.00	− 8	−30	− 1	+28	− 7	+11	−10	+20	+ 5	− 8	0	0.58
75620	15 27 04.17		−48 27 20.3	8.07	2 H	231.767 360 95		−48.455 625 69	1.08	−7.32	−5.50	0.87	0.77	1.14	1.14	1.12	−16	−13	−29	+13	+ 5	+ 8	+10	+22	+ 1	−22	0	−0.08
75621 H	15 27 05.97		+23 54 55.5	9.28	H	231.774 880 89		+23.915 413 31	A 5.53	−5.52	−32.37	1.83	2.09	2.50	2.02	2.45	−22	+ 5	+ 4	+33	− 9	− 2	−11	−10	+ 1	−28	1	0.26
75622	15 27 06.05		−15 46 50.8	8.35	H	231.775 210 93		−15.780 774 82	7.51	20.25	−3.65	1.05	0.74	1.14	1.09	0.82	− 8	−37	−26	+34	− 3	+ 1	+ 5	+26	−17	−11	0	−0.44
75623	15 27 06.22		−20 44 27.1	8.66	H	231.775 930 95		−20.740 850 06	11.40	−8.05	−85.52	1.24	1.06	1.53	1.71	1.30	−34	+24	−53	−25	+15	−18	+ 5	− 9	+ 4	−14	3	1.44
75624	15 27 06.45		−64 19 47.7	8.59	H	231.776 887 55		−64.329 914 21	0.88	4.43	8.69	0.60	0.79	1.05	0.71	0.95	+ 7	−19	+ 5	+19	+14	−12	+16	+22	−10	+ 7	1	0.43
75625	15 27 06.64		−40 22 43.6	9.22	H	231.777 657 03		−40.378 768 19	4.17	−6.14	32.34	1.05	0.87	1.45	1.35	1.24	−29	−17	−12	+ 9	− 1	−13	− 1	+27	−16	−19	0	0.88
75626	15 27 07.22		−51 41 58.4	8.55	H	231.780 075 43		−51.699 551 98	1.90	17.02	−22.45	0.84	0.77	1.08	0.89	0.95	+ 0	−30	−17	+11	− 6	+ 9	− 2	+43	− 7	− 7	0	0.10
75627	15 27 08.11		−45 59 48.1	9.46	H	231.783 779 16		−45.996 684 87	6.26	−34.23	5.21	1.07	0.92	1.38	1.10	1.06	−14	−14	−18	+ 7	+13	−14	+12	+ 8	+ 1	−11	0	0.66
75628	15 27 08.33		−41 39 31.5	8.89	H	231.784 694 97		−41.658 761 46	5.39	−32.51	−37.09	0.99	0.82	1.25	1.23	1.08	− 6	− 9	− 8	+35	+ 9	+12	+ 9	+31	+17	+ 4	0	−2.02
75629	15 27 08.45		−05 49 03.5	7.81	2 G	231.785 212 49		−05.817 628 65	1.74	−4.45	−11.97	1.07	0.60	1.30	1.39	1.13	−11	−21	−12	+29	+ 0	+21	+ 5	− 5	−15	−24	9	1.06
75630	15 27 08.79		+14 33 03.3	8.69	H	231.786 621 07		+14.550 925 09	4.42	13.18	−22.69	0.77	0.70	1.05	0.79	0.88	−14	−26	+ 3	−29	−23	+27	−23	− 1	−11	−35	0	−0.84
75631 H	15 27 08.97		+41 33 12.8	8.36	H	231.787 370 64		+41.553 562 02	A 5.84	9.29	9.61	1.11	1.32	1.20	1.15	1.31	+ 6	+ 3	−21	+15	+ 8	+ 2	+14	+22	+11	− 2	1	0.73
75632 H	15 27 09.00		+39 29 35.9	9.10	H	231.787 510 06		+39.493 292 41	A 5.58	8.24	−38.13	1.42	1.38	1.64	1.53	1.42	+ 9	− 7	−14	− 1	−17	+10	−13	+ 7	− 8	−17	1	1.61
75633 H	15 27 09.95		−36 31 31.5	10.25	G	231.791 467 93		−36.525 416 60	A 12.78	−17.93	−14.23	2.80	1.98	3.08	3.37	2.83	− 2	−27	−25	+12	−15	+12	−10	+24	−17	− 5	1	−0.11
75634	15 27 10.41		+84 49 31.3	6.87	H	231.793 355 96		+84.825 362 98	5.40	12.83	−51.75	0.43	0.48	0.53	0.48	0.60	+19	−10	−13	−10	+13	+ 2	+17	− 3	− 3	− 3	1	−0.35
*75635	15 27 10.53		+13 22 47.1	7.68	G	231.793 893 04		+13.379 748 43	5.60	−33.62	8.49	0.97	0.60	0.91	1.12	0.78	+16	−21	−18	+43	− 3	+14	+ 0	+16	−11	+ 7	0	2.23
*75636	15 27 10.52		−41 38 33.1	10.33	2 H	231.793 845 96		−41.642 521 19	9.91	−1.49	−42.66	3.34	2.55	4.10	4.27	3.37	−15	−17	− 1	+21	+18	+ 3	+18	+16	+ 9	+16	2	
75637	15 27 13.08		+08 29 23.7	8.69	H	231.804 491 10		+08.489 926 48	13.86	−69.10	−42.18	1.34	0.90	1.51	1.54	1.20	−11	−36	−15	+12	+24	−11	+ 6	−48	+14	−39	0	1.29
75638	15 27 13.64		−49 27 16.0	7.41	H	231.806 829 82		−49.454 456 45	12.00	−44.99	−27.82	0.66	0.63	0.95	0.75	0.86	−16	−25	−20	+ 4	+ 3	−26	+ 0	+13	+ 3	−35	0	−0.95
75639	15 27 13.68		−54 06 14.7	7.63	H	231.807 011 88		−54.104 076 87	−0.41	−4.48	−6.49	0.77	0.65	0.94	0.80	0.77	+10	−37	−22	+31	+ 5	−10	+ 3	+27	+ 1	− 2	0	1.49
75640	15 27 14.79		−28 44 10.2	9.62	G	231.811 642 49		−28.736 168 39	8.34	−134.79	−199.89	1.46	0.78	1.63	1.84	1.58	−18	−12	−16	+27	+ 3	+ 4	+ 6	+ 5	+29	−22	2	−0.65
75641	15 27 14.94		+50 37 10.4	7.86	1 H	231.812 255 27		+50.619 553 80	2.52	−7.79	2.75	0.61	0.58	0.71	0.77	0.70	+10	+ 0	−11	− 5	− 4	+12	− 3	− 1	+14	+14	0	−0.74
75642	15 27 15.16		+75 10 51.2	9.22	H	231.813 184 92		+75.180 902 68	1.71	−12.44	14.26	0.71	0.71	0.77	0.76	0.83	− 2	− 5	−20	−17	+ 6	− 9	+ 5	+ 6	− 8	− 5	0	0.33
75643 H	15 27 16.62		+03 05 35.6	9.09	H	231.819 257 40		+03.093 231 00	A 6.13	−0.28	−22.73	1.85	1.30	1.73	1.96	1.44	+ 4	−22	+ 2	+36	+12	+10	+18	−11	−15	+ 1	0	−0.85
75644	15 27 17.93		−43 09 09.5	9.18	H	231.824 705 06		−43.152 637 31	5.05	−46.12	−68.25	1.00	0.80	1.24	1.08	1.05	−18	−24	+ 3	+16	+ 2	−13	+ 6	+18	− 6	−17	0	1.73
75645	15 27 18.03		+09 42 01.1	7.93	H	231.825 123 91		+09.700 299 14	10.30	56.26	−89.47	1.01	0.64	1.05	1.43	0.88	− 6	−14	−18	+30	−11	−17	−20	− 5	+10	−26	0	0.17
75646	15 27 18.07		+23 27 12.9	8.23	H	231.825 275 46		+23.453 596 00	2.12	−3.47	−17.87	0.75	0.75	1.12	0.93	0.96	−22	+ 3	+ 1	+32	−14	− 7	−15	+ 7	− 3	−26	0	−0.88
75647	15 27 18.14		−36 46 03.0	5.46	H	231.825 603 14		−36.767 501 51	7.79	−21.21	−24.02	0.69	0.53	0.84	0.88	0.71	− 9	−10	−27	+ 1	− 6	+ 3	− 7	+12	−10	+10	0	−0.23
75648	15 27 18.32		−01 49 47.9	8.37	H	231.826 325 91		−01.829 985 68	1.58	−14.26	3.61	1.09	0.63	1.19	1.23	1.21	− 8	−36	−11	+ 9	−27	− 6	−32	+27	− 3	−30	4	1.28
75649	15 27 19.38		+53 14 01.9	8.80	H	231.830 760 91		+53.233 851 72	1.58	6.10	−0.37	0.73	0.68	0.81	0.86	0.83	− 3	+ 3	+ 8	+ 2	− 6	+ 1	− 6	+ 3	+ 9	−11	0	−0.35
75650	15 27 19.47		−08 08 35.1	9.52	G	231.831 128 27		−08.143 085 15	2.41	−46.75	−11.00	1.39	0.85	1.66	1.60	1.19	−21	−23	−12	+17	− 2	+29	+ 6	+ 4	− 9	−22	2	0.55
75651	15 27 20.24		−03 02 19.4	8.73	H	231.834 321 17		−03.038 713 49	9.49	36.04	−40.41	1.27	0.71	1.24	1.48	1.12	− 7	−30	+ 5	+46	− 5	− 2	− 7	+29	+ 5	−11	0	0.97
75652	15 27 20.64		+56 38 06.6	9.60	H	231.835 996 33		+56.635 169 85	7.18	3.96	−49.99	0.79	0.81	0.91	0.87	0.89	−12	+ 0	−14	−23	+ 7	− 6	+10	− 1	− 5	−30	3	−0.44
75653 H	15 27 20.82		+17 38 06.3	8.01	H	231.836 731 17		+17.635 069 65	* 11.57	−63.45	41.69	0.79	0.73	1.08	1.02	1.18	−22	− 7	− 6	−33	− 2	− 2	−12	−37	+20	−43	0	−0.87
75654	15 27 22.94		−45 28 03.9	8.77	H	231.845 581 35		−45.467 760 99	11.28	−52.79	−43.05	0.90	0.73	1.13	0.90	0.87	−14	−31	−15	+ 1	+11	−22	+ 8	+ 5	+ 2	−21	0	0.62
75655	15 27 23.34		−58 57 16.9	8.67	H	231.847 269 00		−58.954 684 72	1.44	−4.76	6.01	0.88	0.91	1.31	1.11	1.26	+ 5	−18	−33	+ 8	+17	−25	+ 6	− 8	+21	−18	0	1.28
75656	15 27 24.14		+00 50 17.4	8.29	H	231.850 598 26		+00.838 175 98	5.25	14.53	−5.56	0.92	0.64	1.09	1.16	0.95	− 7	−32	−20	+24	− 8	+ 0	−10	+ 6	+ 6	−11	0	−0.05
75657	15 27 25.72		+79 45 55.2	8.89	H	231.857 182 55		+79.765 323 85	4.57	−10.93	−3.08	0.68	0.73	0.77	0.71	0.89	+ 8	−20	−27	−12	− 8	+ 3	− 6	+24	− 3	− 4	0	0.97
75658	15 27 26.98		−66 07 17.0	6.92	H	231.862 417 92		−66.121 398 18	3.45	−7.17	−17.94	0.36	0.47	0.72	0.37	0.56	+20	−14	− 6	−14	−14	− 8	−12	+27	−12	+13	0	−1.31
75659	15 27 28.96		−13 37 25.5	9.61	G	231.870 686 08		−13.623 748 59	10.46	−24.72	−22.49	1.50	1.14	1.96	1.56	1.38	−16	−42	−38	− 2	− 1	+17	+ 8	− 3	− 5	−45	6	−1.03
75660	15 27 29.06		+20 27 58.4	9.28	H	231.871 071 60		+20.466 217 95	−0.31	−46.82	−12.00	1.19	0.99	1.40	1.50	1.44	− 1	− 6	+ 1	−27	−35	+10	−36	− 2	+ 1	−19	0	−0.17
75661	15 27 29.41		−43 05 14.7	8.45	H	231.872 546 72		−43.087 412 31	2.59	15.40	−18.27	0.87	0.65	1.06	0.85	0.82	−11	−34	−12	+ 7	+ 5	−10	+ 5	+13	+ 0	−16	0	−0.84
*75662	15 27 30.40		−51 07 16.2	9.63	H	231.876 654 13		−51.121 176 79	4.65	−5.37	0.84	1.24	1.07	1.57	1.41	1.28	+ 0	−19	−21	+ 8	+16	−15	+13	+13	− 3	+15	0	−2.05
*75663 H	15 27 30.31		−10 57 44.8	7.80	H	231.876 300 33		−10.962 452 50	A 9.91	−64.01	−35.01	1.93	1.30	1.98	2.20	1.80	−53	−26	− 1	− 4	− 4	+10	− 5	+12	+ 6	−48	5	1.41
75664	15 27 33.04		−18 35 13.8	9.57	H	231.887 684 36		−18.587 160 08	1.48	−1.28	3.84	1.37	1.11	1.55	1.53	1.37	−33	− 6	−20	−15	+21	−12	+18	−20	+22	−30	0	−0.88
75665	15 27 33.10		−64 31 53.2	5.71	1 H	231.887 920 69		−64.531 457 00	4.80	−12.91	−19.25	0.41	0.48	0.68	0.51	0.66	+ 6	−19	+ 3	+27	+15	−13	+19	+24	−16	+14	0	−0.06
75666	15 27 33.55		+19 14 50.8	10.30	H	231.889 773 24		+19.247 443 01	6.59	−47.12	−49.34	1.60	1.29	2.24	2.46	2.19	−25	−30	+ 2	−18	− 2	−23	−11	−13	+43	−56	4	1.17
75667	15 27 33.77		+31 11 43.2	11.43	H	231.890 702 03		+31.195 325 00	1.68	−9.95	13.38	1.42	1.79	2.52	1.53	2.02	+28	−14	− 9	− 2	+ 7	− 4	+ 7	+24	+ 4	+23	1	2.00
75668	15 27 34.69		+04 52 53.9	10.37	H	231.894 558 06		+04.881 645 64	5.68	−42.91	16.63	1.56	1.05	1.73	1.77	1.35	− 9	−27	− 8	+30	− 2	+ 9	− 3	− 3	+ 1	−15	0	1.15
75669 H	15 27 35.89		−12 18 09.3	9.36	G	231.899 558 85		−12.302 596 16	A 5.92	−19.29	−15.55	4.92	4.55	2.65	3.45	2.28	+ 9	−24	+ 5	+19	−10	+23	−14	+16	+ 6	−25	3	−0.06
75670	15 27 36.18		−12 51 06.8	10.19	1 H	231.900 770 03		−12.851 887 36	1.55	9.40	−2.19	1.70	1.21	2.16	1.94	1.60	−15	−37	−32	+ 7	−15	+35	+ 7	+20	−30	−43	0	1.21
75671	15 27 37.36		−16 29 21.5	8.30	H	231.905 658 23		−16.489 304 60	4.83	−0.81	−5.22	0.98	0.69	1.10	1.11	0.77	− 9	−30	−24	+26	− 7	+19	+ 0	+21	− 1	− 3	0	2.56
75672	15 27 38.27		+10 35 41.4	9.90	H	231.909 461 89		+10.594 831 37	38.38	−424.70	−262.53	1.60	1.11	1.68	2.01	1.41	−27	−31	+ 8	+22	−31	−25	−31	+ 7	+ 6	−37	0	−1.48
75673	15 27 38.39		−08 56 53.1	7.59	H	231.909 979 10		−08.948 073 45	7.67	−103.51	10.38	0.94	0.60	1.16	1.09	0.91	−32	−24	−12	+20	−11	+26	− 5	+ 6	− 7	−37	6	1.76
75674	15 27 38.87		+25 06 06.0	6.01	1 H	231.911 956 81		+25.101 657 12	4.15	5.74	−12.72	0.49	0.58	0.81	0.55	0.79	−35	−29	+ 3	+27	+16	−30	+ 4	−26	+ 6	−59	0	0.44
75675	15 27 39.10		+40 51 55.3	11.58	H	231.912 936 53		+40.865 354 44	30.14	−115.06	278.87	1.69	1.77	2.25	2.08	2.22	+ 6	+ 6	− 1	−12	+ 6	−11	+ 9	+ 6	+ 5	− 4	1	0.48
75676	15 27 40.39		+42 52 55.1	7.48	G	231.918 306 85		+42.881 983 99	31.10	−72.84	−249.59	0.62	0.58	0.71	0.79	0.69	+12	−11	−21	−23	− 6	+14	− 7	+ 9	− 2	+17	0	0.69
75677	15 27 40.54		+50 18 53.7	7.93	H	231.918 895 99		+50.314 909 47	4.27	14.55	−0.69	0.61	0.58	0.71	0.67	0.74	+ 7	− 6	− 8	− 1	− 5	+12	− 5	− 2	+15	+18	0	0.04
75678	15 27 40.75		+62 16 32.7	6.53	H	231.919 799 75		+62.275 743 62	12.01	34.23	−25.49	0.46	0.45	0.49	0.51	0.53	+ 2	−14	− 9	−22	− 1	− 9	+ 0	+ 9	− 5	− 4	0	−0.10
75679	15 27 41.14		−72 49 47.3	8.65	H	231.921 428 03		−72.829 810 78	5.18	−6.07	−11.59	0.59	0.71	0.91	0.61	0.74	+11	−10	+ 5	− 8	+ 5	−13	+ 0	+29	− 7	+27	1	0.42
75680	15 27 41.80		−14 57 15.1	7.15	1 H	231.924 150 84		−14.954 201 72	0.89	−18.34	−7.13	1.00	0.57	1.12	0.96	0.69	+ 4	−56	−18	+11	+ 3	+23	+18	+14	−18	− 7	0	−0.89
75681	15 27 42.01		−71 25 06.0	8.81	H	231.925 035 84		−71.418 326 82	1.03	3.09	0.54	0.74	0.93	1.15	0.79	1.21	+27	−21	+ 6	+27	+25	−19	+28	+44	−17	+40	2	−0.65
75682 H	15 27 42.14		+06 06 04.9	7.72	G	231.925 582 57		+06.101 347 36	A 5.73	−9.81	−27.48	2.22	1.95	2.12	2.54	1.67	−25	−19	− 7	+10	−21	−16	−19	−11	+12	−20	1	0.45
75683	15 27 42.34		−36 14 12.8	9.47	G	231.926 408 85		−36.236 901 28	7.09	−19.99	−24.34	1.35	0.93	1.78	1.80	1.44	− 7	−15	−11	+ 3	− 7	+26	− 1	+14	−31	+ 6	0	0.68
75684	15 27 42.37		−15 24 57.1	8.81	H	231.926 554 61		−15.415 854 73	10.39	−62.70	−19.44	1.17	0.78	1.27	1.18	0.89	−10	−39	−15	+27	− 1	+ 5	+ 5	+14	−10	−13	0	−0.94
75685	15 27 42.65		−02 45 18.4	10.51	G	231.927 725 09		−02.755 117 07	8.92	−28.38	−20.13	1.52	1.04	1.72	1.91	1.66	−21	−13	+ 1	+28	−11	+ 8	−10	+21	− 6	−24	7	1.90
75686	15 27 42.73		+02 35 52.1	10.20	2 G	231.928 034 86		+02.597 799 06	39.03	−52.99	−17.57	1.37	1.00	1.70	1.54	1.44	−10	−37	−22	+13	− 2	+ 4	− 5	− 4	+ 4	−33	0	0.72
*75687	15 27 45.69		+44 32 04.4	9.81	H	231.940 372 98		+44.534 542 90	1.17	0.74	−3.08	0.90	0.92	1.12	1.07	1.03	+ 9	+ 6	− 5	− 8	− 3	+ 6	− 4	−14	− 9	− 5	0	0.72
*75688	15 27 45.68		−00 36 52.1	8.49	H	231.940 327 78		−00.614 462 61	6.83	−24.63	−22.91	0.99	0.65	1.26	1.37	1.34	−14	−36	−14	+38	+10	−34	−10	− 8	+35	−48	6	0.13
75689	15 27 45.75		−63 01 14.1	7.44	2 H	231.940 607 69		−63.020 583 13	7.85	−53.14	−32.29	0.47	0.64	0.93	0.59	0.78	−11	− 6	+17	+ 9	+22	−15	+25	+12	− 7	+ 0	1	0.34
75690	15 27 46.23		+31 42 07.1	8.88	H	231.942 626 02		+31.701 964 35	8.18	−28.84	29.49	0.58	0.68	0.99	0.61	0.75	+26	+ 1	− 4	−10	− 1	−15	+ 3	+19	− 4	+12	0	0.95
75691	15 27 46.45		+65 24 13.5	12.88	3 H	231.943 559 23		+65.403 741 65	−9.93	−68.10	48.40	17.66	19.97	19.94	17.28	19.23	− 5	− 6	−26	−25	+ 4	− 1	+ 4	−21	+ 4	− 8	2	
75692	15 27 47.09		−79 18 22.4	7.61	H	231.946 229 12		−79.306 211 73	11.46	−17.03	30.71	0.50	0.62	0.71	0.52	0.70	+21	−17	+ 9	− 2	− 6	−14	− 5	+ 2	− 4	+24	2	0.61
75693 H	15 27 47.59		+08 25 29.0	10.37	H	231.948 297 06		+08.424 709 36	A 2.81	2.06	−0.14	6.16	3.56	4.31	5.11	3.38	−42	−12	− 7	+15	+15	− 7	− 3	−31	+ 8	−45	1	0.99
75694	15 27 48.32		−25 10 10.1	7.49	2 H	231.951 316 61		−25.169 459 75	−1.36	−1.84	−8.11	1.17	0.59	1.32	1.29	0.94	−20	−46	− 4	−20	− 3	+25	+ 5	+ 4	−24	− 3	0	1.95
75695	15 27 49.85		+29 06 19.8	3.66	1 H	231.957 716 31		+29.105 491 64	+ 28.60	−181.39	86.84	0.39	0.47	0.69	0.38	0.57	+18	−16	−10	−15	−25	− 2	− 6	+13	− 5	+24	2	0.39
75696	15 27 51.44		+60 40 12.8	5.90	1 H	231.964 346 72		+60.670 224 38	5.48	−16.90	−3.14	0.44	0.42	0.48	0.46	0.47	+ 8	−21	−18	− 8	− 4	+ 7	+ 0

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data										Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
75601	10.976	0.069	9.802	0.042		1.110	0.020	G	1.07	0.02	H	9.8445	0.0023	0.015	50		9.82	9.87		C			1							
75602	9.872	0.021	9.122	0.017	*	0.685	0.021	T	0.74	0.02	L *	9.1470	0.0023	0.023	141	*	9.11	9.20		D	15268+2840	I 1	2 C A	BA	253	0.287	0.004	0.52	0.06	
75603	10.795	0.037	8.865	0.013		1.602	0.031	T	1.62	0.03	L	8.7897	0.0024	0.018	148		8.76	8.83		C			1							
75604	10.195	0.022	9.294	0.017		0.774	0.015	G	0.82	0.01	H	9.3698	0.0021	0.026	161		9.33	9.41					1							
75605	8.432	0.010	7.844	0.012		0.569	0.015	G	0.64	0.01	H	7.9086	0.0009	0.008	96		7.89	7.93		C			1							S
75606	9.742	0.021	8.635	0.014		0.955	0.020	T	0.94	0.01	L	8.6649	0.0015	0.017	143		8.63	8.70					1							
75607	7.900	0.011	7.056	0.009		0.742	0.011	T	0.79	0.01	L	7.1009	0.0007	0.005	47		7.10	7.12		D			1							S
75608	8.127	0.009	8.046	0.011		0.077	0.009	G	0.09	0.01	H	8.0452	0.0009	0.012	84		8.02	8.06		D			1							
75609	9.756	0.025	8.476	0.015		1.089	0.023	T	1.05	0.02	L	8.5480	0.0017	0.016	77		8.52	8.58		C			1							
75610	10.282	0.024	8.394	0.010		1.568	0.021	T	1.59	0.02	L	8.2538	0.0021	0.026	142		8.21	8.30		U			1							S
75611	7.800	0.006	7.751	0.007		0.044	0.008	T	0.06	0.01	L	7.7631	0.0011	0.012	169		7.74	7.79		C			1							S
75612	9.635	0.022	9.182	0.022		0.441	0.025	T	0.51	0.03	L	9.2078	0.0030	0.021	80		9.18	9.25					1							
75613	8.219	0.010	7.806	0.008		0.387	0.002	G	0.45	0.00	H	7.8551	0.0015	0.013	103		7.83	7.88		C			1							S
75614	10.491	0.046	9.796	0.041		0.641	0.051	T	0.71	0.04	L	9.9093	0.0025	0.021	92		9.87	9.94		C			1							
75615	11.143	0.067	9.891	0.037		1.068	0.060	T	1.03	0.05	L	9.8944	0.0024	0.021	84		9.86	9.93					1							
75616	11.194	0.050	9.289	0.017		1.582	0.042	T	1.60	0.04	L	9.1960	0.0032	0.031	143		9.14	9.25		U 2			1 S							
75617	10.287	0.040	9.782	0.042	*	0.420	0.042	G	0.49	0.04	R *	9.8880	0.0036	0.025	70	*	9.79	9.93		D	15270−2432	I 1	2 C A	BA	26	0.306	0.005	0.06	0.09	
75618	10.407	0.035	9.804	0.033		0.561	0.036	T	0.63	0.03	L	9.8603	0.0035	0.017	82		9.82	9.89					1							
75619	9.512	0.019	8.928	0.017		0.581	0.015	G	0.65	0.01	H	8.9939	0.0017	0.012	97		8.97	9.01					1							
75620	10.156	0.029	8.331	0.012		1.550	0.026	T	2.73	0.04	O	8.0468	0.0077	0.080	89		7.93	8.18		U 2			1 S							
75621	10.104	0.031	9.390	0.026	*	0.657	0.032	T	0.72	0.03	L *	9.4163	0.0025	0.026	106	*	9.38	9.47		D	15271+2355	I 1	2 C A	AB	346	0.841	0.007	1.10	0.03	
75622	8.720	0.014	8.378	0.015		0.324	0.019	T	0.38	0.03	L	8.4282	0.0024	0.011	61		8.40	8.45		C			1							S
75623	9.335	0.026	8.702	0.023		0.583	0.026	T	0.65	0.02	L	8.7833	0.0025	0.015	46		8.76	8.81		C	15271−2045	I 1	1 S							
75624	9.111	0.013	8.639	0.012		0.445	0.016	T	0.51	0.02	L	8.6907	0.0015	0.014	130		8.67	8.72		C			1							
75625	9.807	0.021	9.247	0.020		0.529	0.022	T	0.60	0.02	L	9.3396	0.0023	0.019	91		9.30	9.37		C			1							
75626	10.075	0.030	8.698	0.017		1.165	0.027	T	1.13	0.02	L	8.7152	0.0015	0.012	89		8.70	8.74					1							
75627	10.029	0.028	9.524	0.028		0.485	0.030	T	0.56	0.03	L	9.5666	0.0025	0.021	81		9.53	9.59		C			1							G
75628	9.543	0.019	8.923	0.017		0.574	0.019	T	0.65	0.02	L	9.0087	0.0028	0.020	102		8.97	9.06					1							
75629	9.961	0.028	8.007	0.011		1.660	0.020	G	1.67	0.09	H	7.9022	0.0030	0.021	85		7.87	7.94		U 2			1							S
75630	9.260	0.013	8.746	0.013		0.483	0.017	T	0.55	0.02	L	8.8005	0.0019	0.018	128		8.76	8.85		C			1							S
75631	8.891	0.010	8.413	0.010	*	0.450	0.013	T	0.52	0.01	L *	8.4566	0.0015	0.020	144	*	8.43	8.49		D	15271+4133	M 1	2 C A	AB	177	0.510	0.005	1.66	0.03	S
75632	9.568	0.024	9.078	0.023	*	0.461	0.030	T	0.53	0.03	L *	9.2052	0.0024	0.029	143	*	9.17	9.26		D	15272+3930	I 1	2 C A	AB	344	7.487	0.013	1.80	0.05	
75633	11.082	0.085	10.133	0.060	A	0.771	0.133	G	0.81	0.12	R *	10.2066	0.0037	0.030	75	*	10.16	10.26		D	15272−3632	H 1	2 C B	AB	266	4.619	0.053	2.87	0.15	G
75634	8.136	0.009	6.973	0.007		0.998	0.009	T	0.98	0.01	L	7.0364	0.0009	0.008	116		7.02	7.05		C			1							S
75635	8.107	0.015	7.688	0.011		0.380	0.003	G	0.44	0.00	H	7.7578	0.0019	0.014	62		7.73	7.78		C			1							S
75636	11.234	0.067	10.523	0.063		0.654	0.075	T	0.72	0.07	L	10.4691	0.0095	0.060	91		10.38	10.57		U 2			1 X							G
75637	9.427	0.024	8.770	0.021		0.610	0.027	T	0.68	0.02	L	8.8161	0.0028	0.017	68		8.78	8.85		C			1							S
75638	7.641	0.008	7.437	0.009		0.188	0.012	T	0.21	0.01	L	7.4767	0.0012	0.013	92		7.46	7.50		C			1							S
75639	9.370	0.020	7.763	0.010		1.346	0.018	T	1.31	0.02	L	7.7851	0.0021	0.014	83		7.77	7.81					1							
75640	10.578	0.049	9.682	0.033		0.718	0.002	G	0.77	0.00	H	9.7584	0.0019	0.021	83		9.72	9.79					1							
75641	7.694	0.008	7.838	0.009		−0.125	0.001	G	−0.11	0.00	H	7.8165	0.0022	0.021	113		7.78	7.84	1.51	P 1 A			1							S
75642	10.695	0.041	9.333	0.021		1.154	0.036	T	1.12	0.03	L	9.3875	0.0019	0.021	120		9.36	9.43		C			1							
75643	9.684	0.025	9.151	0.024	*	0.500	0.031	T	0.57	0.03	L *	9.1981	0.0023	0.020	81	*	9.16	9.22		D	15273+0306	H 1	2 C A	AB	44	0.531	0.012	2.30	0.06	
75644	9.757	0.022	9.216	0.021		0.514	0.023	T	0.59	0.02	L	9.2912	0.0021	0.019	99		9.25	9.33		C			1							
75645	8.644	0.012	7.987	0.011		0.610	0.014	T	0.68	0.01	L	8.0560	0.0021	0.014	76		8.04	8.09			15273+0942	I 1	1							S
75646	10.246	0.033	8.398	0.014		1.537	0.028	T	1.59	0.06	L	8.3468	0.0017	0.019	120		8.32	8.37		C			1							
75647	5.261	0.003	5.427	0.003		−0.150	0.000	G	−0.15	0.00	H	5.4055	0.0005	0.005	72		5.40	5.41		D	15273−3646	I 1	1							S
75648	9.843	0.022	8.495	0.013		1.143	0.020	T	1.11	0.02	L	8.5353	0.0015	0.015	93		8.51	8.56		C			1							
75649	10.033	0.029	8.878	0.018		0.992	0.027	T	0.97	0.02	L	8.9587	0.0020	0.017	109		8.93	9.00					1							
75650	10.585	0.058	9.548	0.038		0.875	0.015	G	0.88	0.01	H	9.6983	0.0027	0.017	76		9.66	9.74		C			1							
75651	9.972	0.022	8.850	0.014		0.966	0.020	T	0.95	0.02	L	8.8997	0.0024	0.022	108		8.87	8.94					1							
75652	10.174	0.027	9.575	0.026		0.559	0.033	T	0.63	0.03	L	9.7164	0.0023	0.023	108		9.68	9.75		C			1							
75653	8.645	0.009	8.063	0.008	*	0.544	0.011	T	0.62	0.01	L *	8.1328	0.0012	0.014	140	*	8.11	8.16		D	15273+1738	I 1	2 C S A	AB	252	0.157	0.009	0.81	0.30	S
75654	9.425	0.019	8.833	0.018		0.553	0.019	T	0.63	0.02	L	8.8897	0.0022	0.015	93		8.86	8.91		C			1							
75655	10.494	0.045	8.830	0.020		1.391	0.039	T	1.36	0.05	L	8.8122	0.0026	0.019	92		8.78	8.85					1							
75656	9.644	0.020	8.413	0.013		1.051	0.019	T	1.02	0.02	L	8.4603	0.0015	0.013	89		8.44	8.49		C			1							S
75657	8.890	0.013	8.882	0.016		0.012	0.019	T	0.03	0.02	L	8.9053	0.0018	0.015	105		8.88	8.93					1							
75658	6.882	0.003	6.913	0.004		−0.024	0.005	T	0.00	0.01	L	6.9169	0.0008	0.010	263		6.90	6.93					1							S
75659	10.178	0.035	9.727	0.038		0.540	0.020	G	0.61	0.02	H	9.7424	0.0031	0.018	68		9.70	9.77		C			1							
75660	10.811	0.047	9.475	0.026		1.133	0.042	T	1.10	0.04	L	9.4525	0.0024	0.021	83		9.41	9.50		C			1							
75661	9.811	0.022	8.585	0.014		1.047	0.020	T	1.02	0.02	L	8.6129	0.0018	0.018	104		8.58	8.64					1							
75662	10.995	0.074	9.718	0.037		1.087	0.065	T	1.05	0.05	L	9.8049	0.0028	0.024	87		9.76	9.85		C			1							G
75663	8.484	0.015	7.842	0.014	*	0.596	0.018	T	0.67	0.02	L *	7.9277	0.0017	0.013	82	*	7.91	7.96		D	15275−1058	I 1	2 C A	AB	131	9.493	0.007	1.06	0.02	S
75664	11.159	0.099	9.627	0.042		1.287	0.085	T	1.25	0.09	L	9.7300	0.0036	0.018	53		9.70	9.76		C			1							
75665	7.898	0.007	5.912	0.003		1.646	0.006	T	1.67	0.01	L	5.8161	0.0012	0.009	137		5.80	5.83	27.36	P 1 A			1							S
75666	10.946	0.049	10.374	0.049		0.535	0.062	T	0.61	0.07	L	10.4184	0.0051	0.031	87		10.35	10.49		C			1							
75667						1.055	0.197	G	1.02	0.16	R	11.5940	0.0068	0.073	194		11.47	11.75					1							G
75668	11.165	0.071	10.332	0.052		0.580	0.040	G	0.65	0.04	R	10.4943	0.0029	0.026	77		10.42	10.53					1							
75669	9.993	0.037	9.465	0.037	*	0.495	0.020	G	0.57	0.02	H *	9.4821	0.0026	0.019	63	*	9.44	9.51		D	15276−1218	H 1	2 C A	AB	221	0.325	0.021	1.70	0.16	
75670	10.616	0.060	10.123	0.060		0.475	0.065	T	0.55	0.07	L	10.2901	0.0027	0.023	56		10.22	10.34		U			1							G
75671	8.625	0.015	8.320	0.016		0.291	0.023	T	0.33	0.03	L	8.3753	0.0015	0.012	57		8.36	8.40		C			1							S
75672	11.695	0.115	9.993	0.038		1.554	0.197	G	2.46	0.82	I	9.9248	0.0031	0.028	79		9.85	9.97		C			1							
75673	8.987	0.018	7.719	0.011		1.080	0.016	T	1.04	0.01	L	7.7584	0.0012	0.009	86		7.75	7.78		C			1							S
75674	8.157	0.009	6.205	0.004		1.654	0.008	T	1.95	0.03	O	6.0981	0.0015	0.014	124		6.08	6.12		U 2			1							S
75675						1.605	0.197	G	2.61	0.49	I	11.5732	0.0060	0.053	120		11.47	11.67					1							G
75676	8.320	0.009	7.552	0.008		0.676	0.001	G	0.74	0.00	H	7.6185	0.0012	0.014	125		7.60	7.64		C	15277+4253	I 1	1 G							S
75677	9.311	0.016	8.040	0.010		1.082	0.015	T	1.04	0.01	L	8.0976	0.0012	0.011	115		8.07	8.12					1							S
75678	6.696	0.005	6.546	0.005		0.134	0.009	G	0.15	0.01	H	6.5801	0.0006	0.008	111		6.57	6.59		C			1							S
75679	8.972	0.011	8.668	0.012		0.289	0.015	T	0.33	0.02	L	8.7229	0.0016	0.019	179		8.69	8.76					1							
75680	9.356	0.019	7.353	0.008		1.660	0.016	T	1.68	0.02	L	7.2578	0.0016	0.013	61		7.23	7.28		M			1							S
75681	9.746	0.018	8.855	0.014		0.793	0.017	T	0.82	0.01	L	8.9585	0.0023	0.024	174		8.91	8.99					1 S							
75682	8.490	0.018	7.838	0.013	*	0.594	0.015	G	0.66	0.01	H *	7.8384	0.0021	0.016	70	*	7.80	7.87		D	15277+0606	I 1	2 C A	AB	306	0.803	0.005	0.55	0.01	S
75683	10.021	0.030	9.584	0.030		0.473	0.015	G	0.54	0.02	H	9.5888	0.0028	0.019	70		9.57	9.62		C			1							
75684	9.410	0.022	8.836	0.021		0.540	0.022	T	0.61	0.02	L	8.9261	0.0022	0.014	65		8.91	8.96		C			1							
75685	11.414	0.079	10.542	0.060		0.730	0.015	G	0.78	0.01	H	10.6541	0.0033	0.034	113		10.59	10.72		C			1							G
75686	11.685	0.110	10.515	0.065		1.334	0.038	G	1.53	0.02	A	10.3168	0.0037	0.029	87		10.23	10.36		U			1							
75687	11.443	0.072	9.941	0.031		1.263	0.062	T	1.22	0.06	L	9.9737	0.0026	0.026	118		9.92	10.01					1							
75688	8.824	0.015	8.516	0.016		0.293	0.021	T	0.33	0.03	L	8.5603	0.0017	0.019	82		8.53	8.59		C			1							S
75689	8.827	0.016	7.598	0.010		1.052	0.005	G	1.02	0.00	H	7.6053	0.0056	0.053	163		7.52	7.67	43.82	P 1 A			1							S
75690	9.323	0.011	8.898	0.011		0.401	0.014	T	0.47	0.01	L	8.9678	0.0015	0.019	204		8.93	9.01					1							S
75691											T	13.0052	0.0234	0.195	62		12.53	13.28		U			1 X							G
75692	9.011	0.013	7.729	0.008		1.091	0.012	T	1.05	0.01	L	7.7827	0.0010	0.014	139		7.76	7.81					1							S
75693	11.165	0.087	10.473	0.069	*	0.639	0.091	T	0.70	0.08	L *	10.5055	0.0035	0.036	71	*	10.41	10.57		D	15278+0825	H 1	2 C A	AB	287	0.451	0.012	0.61	0.10	
75694	8.967	0.018	7.582	0.011		1.193	0.031	G	1.03	0.01	G	7.6549	0.0031	0.024	74		7.61	7.69		U 2			1							S
75695	4.027	0.002	3.696	0.001		0.319	0.002	T	0.37	0.00	L	3.7373	0.0006	0.007	186		3.73	3.76	18.54	P 1 A	15278+2906	I 1	1 O							S P
75696	7.799	0.007	6.072	0.004		1.441	0.006	T	1.44	0.01	L	6.0371	0.0012	0.012	128		6.01	6.06		U 2			1 S							S
75697	9.284	0.019	7.211	0.008		1.754	0.017	T	2.27	0.04	O	7.0577	0.0023	0.018	85		7.03	7.10		U 2			1							S
75698	10.360	0.027	9.102	0.016		1.072	0.025	T	1.04	0.02	L	9.1483	0.0018	0.018	130		9.11	9.18					1							
75699	8.061	0.012	7.304	0.007		0.691	0.011	T	0.75	0.01	L	7.3441	0.0012	0.007	71		7.33	7.36		C			1							S
75700	10.520	0.037	9.753	0.029		0.699	0.037	T	0.76	0.03	L	9.8378	0.0024	0.025	122		9.80	9.89		C			1							

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)										Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
75701	15 27 54.66	−50 21 05.3	9.23	H	231.977 733 79	−50.351 466 46	4.42	−11.18	−30.38	1.04	0.95	1.38	1.17	1.21	−19	−15	−10	− 2	+15	−29	+15	−10	− 1	−12	0	0.75
75702	15 27 55.12	−56 31 05.0	8.70	H	231.979 653 59	−56.518 046 50	3.84	−14.32	−12.38	0.94	1.05	1.27	1.63	1.81	−28	+10	−34	+10	− 8	− 8	−11	+24	+ 8	−22	3	−0.94
75703	15 27 56.66	+51 34 54.9	9.06	1 H	231.986 089 39	+51.581 920 88	24.04	110.64	53.46	0.78	0.79	0.88	0.93	0.96	+ 6	−11	+ 5	+29	+ 4	+11	+ 3	+23	+19	+19	7	0.90
75704	15 27 59.79	−38 38 48.3	8.49	H	231.999 138 19	−38.646 753 55	0.45	− 2.83	− 5.94	0.84	0.66	1.18	0.96	0.90	−23	−14	−22	+13	+11	−16	+12	+17	−12	−20	0	−0.91
75705	15 28 00.12	−00 06 28.0	8.95	H	232.000 480 45	−00.107 772 79	3.72	−12.48	−19.84	1.10	0.75	1.32	1.25	1.21	−18	−40	− 7	+29	− 6	− 7	−10	+13	+11	−32	0	−2.62
75706	15 28 00.94	−03 46 15.0	9.65	G	232.003 936 54	−03.770 847 15	6.23	6.60	−31.78	1.34	0.65	1.46	1.54	1.17	+ 0	−48	− 7	+12	−14	+ 6	−16	+15	− 1	− 3	0	1.33
75707	15 28 01.02	−75 55 46.5	8.39	3 H	232.004 253 64	−75.929 596 52	0.59	− 4.72	− 2.93	0.68	0.74	0.91	0.79	0.87	+ 6	− 7	+ 5	+ 4	+ 0	+15	+ 2	+30	+15	− 6	0	1.73
75708	15 28 01.19	+26 16 41.6	9.37	H	232.004 974 73	+26.278 208 86	−0.15	−19.78	2.73	1.15	0.95	1.67	1.16	1.21	−24	−10	+ 7	+61	−26	−12	−36	+29	− 4	−48	0	−0.23
*75709	15 28 01.29	−35 35 14.3	9.46	H	232.005 366 28	−35.587 297 63	6.91	−76.04	−73.15	1.19	0.84	1.47	1.42	1.20	−17	−30	−17	−17	−12	+25	− 7	+11	−16	−11	0	−1.43
*75710	15 28 01.25	+25 47 24.4	11.07	G	232.005 215 05	+25.790 110 20	36.00	90.50	−59.39	1.77	1.73	2.53	2.06	2.31	−23	−16	+10	+31	+21	−20	+12	−36	+13	−41	5	1.97
75711	15 28 02.29	−33 32 42.5	7.48	G	232.009 559 97	−33.545 146 87	1.20	−34.34	−39.55	0.77	0.60	0.91	0.97	0.81	−24	− 9	−27	+30	−17	+30	− 9	+33	− 5	−27	0	−1.81
75712	15 28 03.05	+30 06 29.7	9.53	H	232.012 690 14	+30.108 241 16	6.26	−14.41	− 5.73	0.69	0.98	1.42	0.70	1.08	+49	−24	−16	−27	−19	+14	−11	+11	− 5	+33	1	0.49
75713	15 28 03.30	−47 43 32.9	9.99	H	232.013 739 99	−47.725 812 03	−2.69	− 8.73	15.17	1.75	1.76	2.17	2.24	2.72	−38	−13	−22	+28	−22	− 5	−17	+43	+ 7	−58	10	2.28
75714	15 28 04.54	+11 51 41.8	6.93	G	232.018 902 92	+11.861 602 30	7.24	−13.08	26.30	0.86	0.53	0.87	0.91	0.67	+ 3	−26	− 8	+43	− 2	+ 8	−16	−10	− 2	−27	2	1.46
75715	15 28 06.21	−13 31 06.2	9.22	2 H	232.025 869 02	−13.518 375 41	−0.62	−11.19	−32.43	1.34	1.07	1.61	1.56	1.53	−34	−31	−26	+18	−27	+21	−14	+34	−24	−58	0	−0.29
75716	15 28 06.56	−27 08 11.1	9.25	H	232.027 319 50	−27.136 411 33	4.77	−139.41	−64.96	1.59	0.74	1.76	1.65	1.33	−26	−16	−12	+ 7	+11	+ 1	+16	−11	+28	− 7	2	1.18
75717	15 28 09.12	−08 01 07.9	8.45	H	232.037 992 41	−08.018 853 02	4.33	16.35	−20.10	0.96	0.54	1.12	1.10	0.83	−15	−27	− 5	+17	− 4	+28	+ 2	+ 7	−12	−19	2	1.04
75718	15 28 09.57	−09 20 49.9	6.89	G	232.039 868 70	−09.347 186 25	50.34	72.69	−363.37	0.91	0.62	1.11	1.09	0.79	−13	−36	−22	+40	+ 1	+ 9	+ 6	+23	−26	−16	3	1.71
*75719	15 28 09.96	−70 44 05.6	9.48	H	232.041 517 93	−70.734 886 19	14.76	−16.47	−89.24	0.84	1.06	1.46	0.84	1.31	+23	−21	− 3	− 3	+ 8	−19	+14	+15	−30	+32	1	−1.30
*75720 H	15 28 09.88	+38 21 37.9	9.29	2 H	232.041 151 77	+38.360 517 91 A	13.62	−16.84	18.44	2.37	2.62	3.07	2.72	3.11	+32	− 3	+ 2	+11	+ 7	+19	+ 7	+ 5	−14	+22	1	1.40
75721	15 28 11.04	−27 37 34.0	8.85	G	232.045 986 65	−27.626 118 19	5.22	4.19	−10.93	1.22	0.71	1.41	1.27	1.18	−37	−23	− 4	+ 6	+14	+ 3	+17	−13	+21	−31	0	0.31
75722	15 28 12.16	−09 21 25.2	7.57	2 G	232.050 675 43	−09.356 995 04	48.06	81.53	−355.85	0.90	0.56	1.14	1.14	0.94	−33	−16	−18	+22	− 4	+24	+ 2	− 7	+ 1	−40	2	1.65
75723 H	15 28 12.32	−34 10 46.0	9.63	H	232.051 333 94	−34.179 433 67 A	10.50	35.11	−44.49	2.25	1.58	2.37	2.31	2.13	−13	− 4	−38	+29	−12	+15	− 5	+26	+ 0	−29	0	−0.46
75724 H	15 28 12.94	+02 51 21.6	8.09	H	232.053 913 25	+02.855 996 82 *	5.13	−20.27	−11.87	1.38	0.97	1.38	1.37	1.17	− 1	−27	−17	+27	− 1	+ 2	− 5	+ 4	+11	−12	1	0.06
*75725	15 28 13.16	+22 29 00.5	8.53	H	232.054 846 73	+22.483 464 16	4.13	−33.90	25.96	0.73	0.77	1.09	0.90	1.00	−27	+ 0	− 7	+35	−25	+12	−26	+30	− 5	−39	0	0.42
*75726	15 28 13.09	+84 41 46.9	9.03	H	232.054 530 86	+84.696 351 80	2.81	3.14	21.25	0.63	0.67	0.77	0.74	0.85	+12	− 8	−15	−20	+14	+ 4	+19	− 2	+ 1	−12	0	−1.55
75727	15 28 13.25	−37 21 30.7	7.00	2 H	232.055 219 98	−37.358 517 87 *	4.30	19.82	−25.73	1.14	0.88	1.35	1.45	0.96	− 6	− 8	+40	−28	−49	−50	−37	− 4	−21	+26	0	−1.18
75728 H	15 28 13.66	−06 26 15.9	8.04	G	232.056 932 70	−06.437 738 35 A	11.88	−23.89	−61.75	1.57	0.83	1.67	2.28	1.51	− 4	−23	−16	− 8	− 7	−12	−10	− 5	−10	+ 7	0	−1.23
75729	15 28 13.76	−11 26 55.9	7.75	H	232.057 312 97	−11.448 865 24	11.09	28.94	− 1.57	0.91	0.58	1.01	1.23	0.93	−37	−18	+ 8	+16	−13	+10	−12	+ 9	−12	−20	0	2.41
75730	15 28 15.40	−16 42 59.1	5.64	G	232.064 158 52	−16.716 403 10	3.59	16.66	−33.36	0.87	0.56	0.93	0.98	0.66	− 8	−23	− 8	+42	+ 1	+31	+ 6	+35	+ 6	+ 2	0	0.23
75731	15 28 16.06	+38 00 38.1	9.09	1 H	232.066 924 68	+38.010 594 54	2.60	−12.40	3.41	0.85	0.91	1.07	1.09	1.11	+27	− 9	−20	+42	+14	+ 9	+18	+25	− 2	+30	1	0.45
75732	15 28 18.62	−21 12 34.4	7.17	G	232.077 588 71	−21.209 567 18	4.70	26.00	− 1.30	1.06	0.61	1.21	1.68	1.07	−14	+10	−28	−31	+11	−43	− 5	−10	+14	− 2	0	1.10
75733	15 28 20.19	+23 41 02.7	7.89	H	232.084 140 86	+23.684 076 42	7.72	−119.87	− 3.61	0.69	0.78	1.18	0.93	1.05	−22	−11	+ 4	+30	− 5	−29	−11	−11	+20	−37	0	−0.25
75734	15 28 20.25	+26 30 33.8	8.66	H	232.084 359 25	+26.509 383 01	9.64	−46.50	−63.12	0.81	0.79	1.32	0.84	0.96	−11	− 8	−13	+54	−22	−10	−27	+45	−14	−38	0	2.68
75735	15 28 20.29	−25 20 17.6	9.66	H	232.084 554 27	−25.338 211 78	3.37	−25.15	− 8.95	1.64	0.84	1.96	2.02	1.58	−27	−32	−10	−20	− 8	+31	− 2	+ 9	−31	−16	0	−2.23
75736	15 28 20.68	−88 07 58.1	6.49	H	232.086 183 45	−88.132 814 48	15.54	−88.78	−80.65	0.41	0.45	0.50	0.43	0.55	+ 7	−10	+16	+ 0	− 7	− 3	− 8	+ 6	− 2	+13	0	0.35
75737	15 28 21.02	−68 33 34.4	8.17	H	232.087 600 24	−68.559 560 12	5.08	− 3.30	−12.25	0.49	0.66	0.89	0.61	0.86	+30	−10	+ 0	+ 3	+16	+ 2	+14	+20	+ 1	+43	0	0.75
75738	15 28 21.50	−37 37 45.6	7.34	H	232.089 565 21	−37.629 347 22	4.89	8.23	− 3.91	0.79	0.66	0.98	0.94	0.92	−24	−11	− 4	+10	−11	−12	−11	+28	−13	−17	0	0.54
75739	15 28 23.05	−06 00 10.6	7.75	H	232.096 026 18	−06.002 957 44	1.18	−18.57	4.78	0.99	0.59	1.21	1.22	0.99	−11	−28	−29	+32	−13	+16	− 7	+17	− 7	−29	2	1.54
75740	15 28 24.30	+05 33 17.4	8.85	H	232.101 245 35	+05.554 838 47	2.03	11.43	−14.90	1.10	0.83	1.27	1.23	1.07	−18	−25	−16	+23	− 3	+ 6	− 6	− 9	+ 1	−34	2	1.43
75741 H	15 28 26.93	−46 09 57.1	9.30	H	232.112 226 43	−46.165 858 07 A	7.47	− 1.77	− 0.23	2.28	1.71	2.53	2.21	1.92	−10	−17	−14	+ 9	+19	−19	+21	+ 9	− 3	+13	4	0.83
*75742	15 28 27.21	−51 35 52.5	6.10	H	232.113 387 13	−51.597 922 24	2.18	− 2.55	− 4.88	0.58	0.50	0.70	0.60	0.61	− 6	−26	−14	+13	− 4	− 4	− 5	+25	− 2	− 7	0	0.09
*75743	15 28 27.09	−39 47 20.0	8.03	G	232.112 895 65	−39.788 884 97	6.65	22.92	−28.58	0.79	0.63	1.00	1.10	0.95	−24	− 9	−19	+17	− 8	+ 3	− 8	+38	− 9	−22	0	0.33
75744	15 28 27.36	+45 10 44.7	10.85	H	232.113 998 35	+45.179 091 14	−0.89	4.99	−12.13	1.22	1.45	1.58	1.51	1.87	+ 4	+17	+ 4	+13	− 3	+15	− 9	−12	+ 4	−21	4	2.42
75745	15 28 27.94	−43 59 41.4	11.79	H	232.116 414 94	−43.994 842 57	4.90	−15.22	− 3.82	3.12	2.37	3.67	4.37	3.33	− 7	− 2	+ 3	+26	+19	+ 1	+19	+24	− 1	+16	2	1.97
75746	15 28 28.07	−09 09 36.3	8.32	H	232.116 965 68	−09.160 081 16	5.49	10.31	− 7.70	1.05	0.61	1.30	1.31	1.03	−28	−18	−11	+19	− 3	+26	+ 3	− 5	+ 1	−27	4	1.40
75747	15 28 28.44	−02 00 56.7	9.05	H	232.118 507 45	−02.015 754 90	8.02	−43.73	32.18	1.10	0.70	1.32	1.45	1.39	−19	−34	− 8	+ 9	−19	−16	−27	+22	+18	−39	0	−0.22
75748	15 28 28.95	+18 00 50.8	8.09	H	232.120 624 13	+18.014 107 17	9.40	−56.75	−32.20	0.78	0.71	1.15	0.96	1.10	−35	−19	− 9	−26	− 4	+ 6	−15	−24	+34	−48	4	−0.31
75749	15 28 29.49	−40 44 00.5	8.43	H	232.122 886 82	−40.733 467 35	4.76	15.29	2.95	0.93	0.71	1.25	1.05	0.99	−21	−19	−22	+13	+ 2	− 9	+ 4	+24	−17	−21	0	−0.05
75750	15 28 29.71	+25 37 32.1	8.60	H	232.123 777 19	+25.625 575 46	3.23	−12.16	− 5.70	0.80	0.91	1.31	0.92	1.28	−33	−31	+ 8	+42	+14	−35	+ 2	−19	+ 8	−60	0	−0.07
75751	15 28 30.20	+01 12 30.4	10.70	H	232.125 825 90	+01.208 453 89	6.31	−34.97	3.63	1.99	1.23	2.18	2.57	1.90	+ 0	−19	− 9	+37	+ 8	+13	+13	− 1	−22	− 6	0	0.65
75752	15 28 31.26	+38 43 25.4	6.69	H	232.130 258 23	+38.723 729 60	17.18	34.18	4.72	0.47	0.53	0.65	0.61	0.67	+17	−11	− 8	− 5	− 2	+14	− 0	− 2	− 7	+21	0	0.75
75753	15 28 31.50	−33 08 05.3	10.88	H	232.131 235 48	−33.134 798 41	28.77	−145.41	−111.38	1.90	1.34	2.31	2.15	1.85	−13	−23	−21	+ 4	− 2	+10	+ 5	+17	−26	− 5	0	0.85
75754	15 28 32.03	−48 58 44.1	8.62	G	232.133 471 26	−48.978 905 50	9.21	−15.61	−42.98	0.93	0.87	1.25	1.18	1.28	−10	−11	−21	+15	+ 9	−10	+11	+17	− 7	−15	0	0.70
75755	15 28 32.35	−21 48 49.8	9.14	G	232.134 787 60	−21.813 825 46	11.00	−54.47	−11.09	1.40	0.80	1.57	2.36	1.50	−24	+29	−28	−34	+ 9	−39	− 7	+ 2	+ 8	− 1	0	−0.81
75756	15 28 33.00	+00 36 25.3	7.11	H	232.137 515 32	+00.607 037 96	9.80	−42.55	6.75	0.71	0.50	0.86	0.94	0.77	− 9	−31	−15	+17	− 7	+ 7	− 2	+ 7	− 7	− 7	0	1.15
75757	15 28 34.38	+33 20 06.5	8.96	H	232.143 246 25	+33.335 130 67	3.13	9.50	1.69	0.66	0.80	1.13	0.73	0.87	+13	− 4	+ 2	− 5	+13	− 2	+14	+ 4	− 5	+ 3	0	0.68
75758	15 28 36.62	+32 21 45.1	8.93	H	232.152 577 77	+32.362 537 46	2.87	− 8.51	−34.66	0.63	0.77	1.12	0.68	0.88	+18	− 1	− 3	− 8	+ 6	− 7	+ 7	− 3	− 6	+ 0	0	0.91
75759	15 28 37.00	+06 55 19.5	8.76	G	232.154 169 74	+06.922 088 64	4.64	−12.70	− 6.35	1.24	0.71	1.53	1.59	1.07	− 3	−49	−17	− 9	+13	−13	− 6	−30	+28	−28	0	2.46
75760	15 28 37.86	−34 56 52.7	10.79	H	232.157 729 82	−34.947 979 06	−3.16	−59.48	−25.57	1.84	1.45	2.39	1.97	1.98	−12	−25	−45	− 5	−16	+ 2	−13	+26	−11	−39	0	0.53
75761	15 28 38.29	+01 50 31.8	5.15	H	232.159 526 92	+01.842 162 58	26.68	−84.56	−33.48	0.67	0.42	0.75	0.77	0.61	− 5	−29	−14	+33	+ 2	+17	+ 4	+ 6	− 3	−17	0	1.92
75762	15 28 38.39	−15 42 02.6	6.79	H	232.159 962 83	−15.700 722 88	24.49	−59.75	41.63	0.88	0.50	0.91	0.90	0.67	+ 1	−44	−10	+24	+ 2	+ 7	+12	+16	−18	− 3	0	−1.83
75763	15 28 38.70	−08 44 50.3	7.73	H	232.161 268 61	−08.747 296 18	3.24	−40.20	5.01	0.90	0.52	1.09	1.02	0.83	−29	−33	+ 3	+14	− 6	+24	− 3	+ 5	− 8	−29	0	0.83
75764	15 28 39.26	+61 43 35.9	6.90	H	232.163 602 65	+61.726 636 75	3.55	− 1.68	7.14	0.52	0.49	0.54	0.68	0.58	+ 1	−13	−17	+ 7	−13	− 6	− 8	+32	− 7	−18	0	−0.92
75765	15 28 41.34	−29 34 05.9	8.19	H	232.172 250 21	−29.568 318 50	5.31	−24.89	−18.27	0.88	0.63	1.07	1.11	1.19	−31	−14	−24	+ 2	− 9	−11	− 8	+15	+18	−62	2	0.31
75766	15 28 41.98	+21 10 38.5	8.99	H	232.174 923 67	+21.177 350 72	5.75	−38.17	− 8.27	0.81	0.92	1.33	0.95	1.19	−32	+10	− 9	+16	−10	+18	−12	− 3	− 8	−43	0	−0.13
75767	15 28 43.13	+27 08 18.2	7.64	H	232.179 715 99	+27.138 392 56	15.20	−64.81	56.75	0.58	0.59	0.93	0.59	0.69	+ 1	−23	−12	+37	−20	−15	−22	+36	− 5	−17	1	1.92
75768 H	15 28 43.17	−18 43 23.9	8.16	H	232.179 889 14	−18.723 307 67 A	11.32	10.26	−37.51	1.79	1.09	1.78	1.66	1.40	−35	−41	+ 7	+16	−11	−30	−27	+21	+38	−40	2	−0.76
75769 H	15 28 44.02	−31 17 38.4	8.93	H	232.183 408 97	−31.293 998 31 A	11.47	23.92	40.14	2.69	1.70	2.57	2.75	3.12	−23	−21	+ 3	+ 1	−17	− 9	−21	+16	+10	−40	0	0.48
75770	15 28 44.41	+47 12 05.4	6.15	G	232.185 042 95	+47.201 501 89	6.81	−21.48	4.97	0.49	0.47	0.57	0.57	0.55	+ 6	+ 2	+14	−16	+ 3	−10	+ 5	+ 5	− 2	+ 5	0	−0.92
75771	15 28 45.06	−44 53 34.1	7.75	G	232.187 757 21	−44.892 794 45	2.95	− 1.62	− 1.96	0.73	0.56	0.89	0.72	0.71	−17	−30	− 7	− 3	+ 4	−23	+ 9	+ 9	−13	−27	0	−0.44
75772 H	15 28 46.06	−31 28 32.4	7.15	H	232.191 925 98	−31.475 667 49 A	5.27	− 8.69	− 5.13	3.24	1.93	1.07	1.09	1.13	−57	−15	− 8	+ 3	− 9	− 8	−13	+12	+12	−36	0	0.22
75773	15 28 46.21	+03 26 53.5	8.47	H	232.192 556 79	+03.448 182 72	3.39	−32.39	−22.66	1.14	0.66	1.15	1.44	0.95	+ 6	− 8	− 5	+49	+ 6	+13	+10	+ 8	+ 1	+12	0	0.64
75774	15 28 46.31	+22 26 44.1	7.92	H	232.192 952 30	+22.445 580 03	6.93	− 4.03	−28.24	0.71	0.73	1.05	0.92	1.06	−37	−16	− 4	+51	−29	−19	−38	+26	+15	−57	0	0.45
*75775	15 28 47.24	−72 33 38.6	11.85	2 H	232.196 815 70	−72.560 715 38	−2.20	− 5.62	− 1.30	2.18	2.49	3.37	2.24	2.86	+24	−19	+ 2	−11	+ 6	− 8	− 1	+29	+ 7	+37	2	−0.90
*75776	15 28 46.86	+15 53 09.6	8.59	H	232.195 267 93	+15.885 986 70	10.15	11.35	−98.48	0.99	0.79	1.34	1.10	1.09	− 6	−38	−22	−39	− 8	+11	−15	−23	+35	−37	0	0.51
*75777	15 28 47.14	−24 35 37.0	9.82	H	232.196 422 24	−24.593 603 60	3.20	−14.45	1.87	1.92	0.92	2.19	2.10	1.58	−26	−39	+ 2	+10	− 9	+32	− 4	+24	−14	−18	0	−1.38
75778	15 28 49.20	−53 55 35.4	7.66	G	232.205 011 17	−53.926 500 49	7.78	−15.73	−56.38	0.78	0.61	0.93	0.81	0.77	− 1	−37	−12	+27	+12	− 3	+16	+24	− 7	− 3	0	0.55
75779	15 28 49.64	+07 51 02.0	10.85	H	232.206 813 86	+07.850 562 26	2.32	8.75	− 1.78	2.15	1.51	2.46	3.26	1.96	−19	− 9	− 8	+ 4	+23	− 3	+14	−44	+17	−32	0	0.80
75780	15 28 50.56	+30 37 50.0	9.40	H	232.210 650 34	+30.630 568 18	7.95	8.54	− 0.45	0.71	0.90	1.31	0.77	1.08	+44	−17	− 5	− 8	− 4	+ 4	− 4	+ 8	+ 5	+41	0	0.86
75781	15 28 51.03	−53 26 47.9	8.79	G	232.212 612 57	−53.446 651 17	8.61	85.77	−44.31	0.91	0.79	1.09	1.07	0.97	+15	−25	−21	+32	+16	+ 1	+18	+28	− 6	+12	0	0.98
75782	15 28 51.13	+70 40 52.7	8.62	H	232.213 062 39	+70.681 299 28	3.27	20.72	−16.34	0.71	0.71	0.78	0.73	0.77	+12	−11	−36	−25	−19	− 1	−17	+ 7	−18	− 5	1	−0.10
75783	15 28 52.21	+57 26 41.2	6.91	H	232.217 540 38	+57.444 778 83	23.20	−260.97	164.86	0.46	0.46	0.53	0.47	0.49	+ 5	− 8	−16	−14	− 4	− 5	− 4	−11	+ 4	−17	0	2.80
75784	15 28 52.93	+10 22 59.4	8.71	H	232.220 528 43	+10.383 175 32	4.00	− 8.55	8.21	1.24	0.85	1.41	1.48	1.14	−19	−39	+19	+21	−12	−31	−11	− 5	+ 2	−34	0	−0.05
75785	15 28 54.07	+25 19 07.0	8.47	H	232.225 278 28	+25.318 617 15	−0.08	18.51	−13.40	0.77	0.84	1.23	0.85	1.23	−31	−34	+ 9	+31	+14	−30	+ 6	−21	+ 9	−56	0	2.35
75786	15 28 54.86	−20 12 31.4	8.82	H	232.228 594 65	−20.208 717 32	9.29	−16.65	−13.67	1.25	0.76	1.41	1.67	1.40	−37	− 1	−10	− 8	+ 8	−13	+ 7	+ 0	+ 7	−27	0	−0.17
75787	15 28 55.73	−53 05 16.5	8.17	G	232.232 219 54	−53.087 929 59	3.90	− 5.89	−10.19	0.80	0.65	0.93	1.06	0.86	+ 7	−16	−19	+30	+ 7	+11	+10	+34	− 7	+19	0	1.25
75788	15 28 56.83	+55 11 41.5	6.45	H	232.236 791 61	+55.194 849 10	10.89	− 7.74	36.28	0.45	0.48	0.51	0.45	0.56	+ 6	−14	−10	−19	+ 8	− 5	+ 8	−25	+ 4	− 4	6	1.56
75789	15 28 58.05	−06 16 09.6	8.03	H	232.241 880 72	−06.269 324 25	5.35	8.40	0.07	1.02	0.53	1.15	1.66	1.08	− 6	−15	−12	− 9	−20	− 7	−25	+ 7	−17	+16	0	−0.42
75790 H	15 28 58.69	−28 52 00.5	6.43	H	232.244 539 30	−28.866 811 51 A	16.46	−43.93	−32.87	3.88	3.55	3.36	4.43	5.23	−15	−23	−28	+ 5	+13	− 8	+ 4	− 7	+34	−41	20	2.83
75791	15 28 59.51	−55 37 38.4	7.82	H	232.247 975 08	−55.627 330 37	0.58	− 1.81	− 5.39	0.69	0.66	0.89	0.92	0.94	+ 3	−17	−23	+24	− 3	+ 0	− 1	+29	−16	+11	0	−0.65
75792	15 29 00.11	−50 01 55.0	10.19	H	232.250 438 99	−50.031 938 19	3.58	13.57	−34.33	1.47	1.27	1.97	1.68	1.70	−13	− 7	− 6	− 2	+ 6	−26	+ 6	+ 5	− 9	−10	0	−0.28
*75793	15 29 03.60	+41 33 36.0	7.89	H	232.265 003 99	+41.559 999 26	2.98	−11.95	36.93	0.54	0.59	0.71	0.66	0.68	+ 2	+10	−11	+11	+ 9	−13	+ 6	+10	−12	− 5	0	1.33
*75794	15 29 03.60	−33 09 15.8	9.36	H	232.265 002 71	−33.154 398 36	11.55	98.07	−45.65	1.33	0.84	1.45	1.50	1.22	− 8	−23	−10	+13	+ 0	+10	+ 4	+15	−10	− 3	0	−2.04
75795	15 29 04.59	+15 17 03.4	8.22	H	232.269 144 53	+15.284 287 78	4.79	− 8.28	− 6.54	0.76	0.67	0.99	0.80	0.93	− 3	−23	−13	−34	−21	+ 7	−23	−11	+19	−40	0	0.39
75796 H	15 29 04.93	+68 29 25.1	10.29	H	232.270 522 77	+68.490 303 05 A	5.53	−44.24	23.74	3.95	4.42	1.62	1.58	1.74	+44	− 5	−15	+ 1	− 9	+ 3	−12	+ 6	+13	− 2	0	0.06
75797	15 29 05.12	+14 56 50.0	9.88	H	232.271 353 44	+14.947 233 46	12.71	−257.02	35.03	6.32	5.55	8.31	6.77	7.00	−23	−26	− 3	−33	− 7	+17	− 8	−18	+ 1	−46	2	
75798	15 29 07.30	−17 22 54.6	10.53	G	232.280 434 19	−17.381 841 30	39.78	−216.71	22.67	1.81	0.98	2.00	1.89	1.31	− 8	−25	−18	+26	+ 2	+20	+10	+ 7	+ 4	− 3	0	−0.32
75799	15 29 08.07	+13 01 57.4	7.01	H	232.283 613 81	+13.032 617 63	5.56	−14.74	9.75	0.77	0.51	0.75	0.80	0.63

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data										Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″		ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65		66	67	68-70
75701	9.862	0.025	9.317	0.024		0.511	0.031	T	0.58	0.03	L	9.3449	0.0028	0.021	89		9.31	9.38		C	15279−5021	I 1	1								
75702	10.012	0.030	8.793	0.019		1.042	0.028	T	1.01	0.02	L	8.8720	0.0025	0.021	72		8.82	8.91		C	15279−5631	I 1	1								
75703	10.025	0.024	9.139	0.019		0.774	0.024	T	0.81	0.02	L	9.1975	0.0027	0.028	121		9.16	9.25		U			1								
75704	10.142	0.025	8.630	0.013		1.271	0.022	T	1.23	0.02	L	8.6533	0.0015	0.015	117		8.63	8.68		C			1								
75705	10.408	0.037	9.065	0.020		1.139	0.033	T	1.10	0.03	L	9.1234	0.0019	0.015	80		9.09	9.17		C			1								
75706	10.334	0.035	9.653	0.030		0.629	0.015	G	0.70	0.01	H	9.7675	0.0018	0.017	96		9.74	9.80		C			1								
75707	13.062	0.340	8.878	0.012		3.810	0.370	G	2.88	0.36	P	8.3323	0.0096	0.153	150		7.94	8.56		U 2 C			1 S								S
75708	10.650	0.038	9.461	0.023		1.018	0.035	T	0.99	0.03	L	9.5403	0.0030	0.030	126		9.48	9.61					1								
75709	10.251	0.032	9.519	0.028		0.657	0.032	T	0.72	0.03	L	9.5941	0.0019	0.016	76		9.57	9.62		C			1								
75710						1.610	0.015	G	2.63	0.04	I	11.1852	0.0055	0.054	115		11.09	11.28					1								G
75711	7.477	0.007	7.502	0.008		0.021	0.005	G	0.04	0.00	H	7.4887	0.0014	0.010	80		7.47	7.50		C			1								S
75712	10.023	0.015	9.553	0.015		0.443	0.019	T	0.51	0.02	L	9.6272	0.0021	0.030	241		9.58	9.69					1								
75713	10.692	0.050	10.144	0.048		0.513	0.062	T	0.59	0.07	L	10.1039	0.0040	0.031	76		10.02	10.16					1 S								G
75714	7.364	0.008	6.976	0.009		0.367	0.011	T	0.43	0.01	L	7.0128	0.0013	0.008	60		7.00	7.03		C			1								S
75715	11.019	0.074	9.334	0.028		1.408	0.062	T	1.39	0.07	L	9.3645	0.0055	0.039	73		9.31	9.42	3.28	P 1 A			1 S								P
75716	10.136	0.037	9.294	0.028		0.756	0.035	T	0.80	0.03	L	9.4000	0.0021	0.020	75		9.37	9.43		D			1								
75717	8.550	0.012	8.440	0.014		0.107	0.017	T	0.12	0.02	L	8.4913	0.0017	0.013	106		8.47	8.52		C			1								S
75718	7.883	0.009	6.947	0.007		0.788	0.015	G	0.86	0.02	A	7.0318	0.0011	0.007	105		7.02	7.05			15282−0921	I 2	1 G								S
75719	10.486	0.028	9.559	0.020		0.806	0.027	T	0.83	0.02	L	9.6191	0.0033	0.028	158		9.55	9.67					1								
75720	10.089	0.033	9.268	0.024	*	0.740	0.031	T	0.79	0.02	L *	9.4386	0.0026	0.027	141	*	9.40	9.55		R 2	15282+3822	I 1	2 C A	AB	26	6.838	0.007		0.34	0.02	
75721	9.616	0.023	8.970	0.020		0.617	0.020	G	0.69	0.02	H	8.9892	0.0020	0.015	83		8.97	9.02		C			1								
75722						0.868	0.015	G	0.92	0.02	A	7.7356	0.0020	0.015	102		7.71	7.78		U 2	15282−0921	I 2	1								S
75723	10.578	0.047	9.893	0.040	A						T *	9.7695	0.0035	0.021	81	*	9.74	9.81		D	15282−3411	I 1	2 C A	AB	258	5.807	0.025		2.33	0.06	
75724	8.482	0.011	8.130	0.011	*	0.334	0.015	T	0.39	0.02	L *	8.1702	0.0021	0.016	92	*	8.15	8.21		D	15282+0251	I 1	2 C A	AB	197	0.274	0.003		0.30	0.05	S
75725	9.055	0.014	8.552	0.014		0.484	0.015	T	0.56	0.02	L	8.6342	0.0019	0.017	117		8.60	8.67		C			1								S
75726	9.935	0.023	9.147	0.019		0.715	0.023	T	0.77	0.02	L	9.1725	0.0026	0.019	103		9.14	9.20					1								
75727	9.148	0.017	7.245	0.008		1.614	0.015	T	2.60	0.04	O	6.9996	0.0088	0.061	71		6.92	7.06		U 2	15282−3722	I 1	1 V								S P
75728	9.006	0.015	8.101	0.011	A	0.742	0.015	G	0.79	0.01	H *	8.1782	0.0012	0.010	97	*	8.16	8.20		D	15282−0626	H 1	2 C D	AB	340	1.468	0.015		2.19	0.13	S D
75729	8.037	0.008	7.763	0.012		0.261	0.014	T	0.29	0.02	L	7.8198	0.0016	0.017	90		7.80	7.85					1								S
75730	7.653	0.010	5.821	0.006		1.545	0.005	G	1.61	0.01	H	5.7577	0.0008	0.005	60		5.75	5.77		C			1								S
75731	10.351	0.031	9.192	0.019		0.995	0.028	T	0.97	0.02	L	9.2570	0.0027	0.025	141		9.21	9.31		U			1								
75732	8.495	0.013	7.319	0.009		1.008	0.012	T	0.98	0.01	L	7.3424	0.0011	0.009	65		7.32	7.36					1								S
75733	9.464	0.020	8.050	0.011		1.194	0.018	T	1.15	0.02	L	8.0607	0.0010	0.014	105		8.04	8.09			15283+2341	I 1	1								S
75734	9.404	0.020	8.705	0.018		0.644	0.022	T	0.71	0.02	L	8.7941	0.0018	0.020	140		8.76	8.83		C			1								S
75735	10.255	0.038	9.679	0.035		0.538	0.046	T	0.61	0.05	L	9.7804	0.0027	0.021	77		9.75	9.82		C			1								
75736	6.843	0.004	6.524	0.004		0.303	0.005	T	0.35	0.01	L	6.5656	0.0008	0.007	134		6.55	6.58					1								S
75737	8.466	0.007	8.176	0.008		0.275	0.011	T	0.31	0.01	L	8.2417	0.0014	0.018	207		8.21	8.28					1								
75738	8.603	0.013	7.453	0.009		0.988	0.012	T	0.97	0.01	L	7.5053	0.0015	0.011	83		7.49	7.53		C			1 S								S
75739	9.584	0.021	7.885	0.010		1.419	0.018	T	1.40	0.03	L	7.8891	0.0018	0.012	101		7.87	7.91					1								S
75740	10.169	0.034	8.969	0.020		1.027	0.031	T	1.00	0.03	L	9.0112	0.0021	0.016	74		8.98	9.04		C			1								
75741	11.835	0.129	9.551	0.029	A	1.657	0.218	G	1.73	0.26	K *	9.4014	0.0019	0.022	81	*	9.36	9.46		D	15284−4610	H 1	2 C D	AB	89	4.797	0.068		3.22	0.26	D
75742	7.464	0.006	6.213	0.004		1.067	0.006	T	1.03	0.01	L	6.2639	0.0006	0.007	88		6.25	6.28		D	15285−5136	I 1	1								S
75743	8.562	0.010	8.077	0.010		0.480	0.015	G	0.55	0.02	H	8.1371	0.0014	0.012	102		8.12	8.16		C			1								S
75744	11.226	0.057	10.794	0.064		0.414	0.072	G	0.48	0.08	R	10.9395	0.0036	0.033	110		10.88	11.00		C			1								G
75745											T	11.9253	0.0093	0.058	92		11.81	12.04					1								D
75746	10.259	0.034	8.453	0.014		1.503	0.029	T	1.53	0.04	L	8.4514	0.0017	0.016	104		8.43	8.48					1								
75747	9.734	0.026	9.139	0.023		0.555	0.031	T	0.63	0.03	L	9.1736	0.0024	0.017	93		9.14	9.21		C			1								
75748	9.534	0.014	8.221	0.009		1.115	0.013	T	1.08	0.01	L	8.2592	0.0014	0.015	149		8.23	8.29		C			1								S
75749	9.900	0.026	8.550	0.015		1.144	0.024	T	1.11	0.02	L	8.5959	0.0017	0.014	79		8.57	8.61					1								
75750	9.922	0.019	8.691	0.012		1.051	0.018	T	1.02	0.01	L	8.7691	0.0018	0.019	140		8.74	8.80					1								S
75751	11.616	0.103	10.651	0.069		0.848	0.092	T	0.86	0.07	L	10.8552	0.0036	0.042	86		10.74	10.94					1								G
75752	7.114	0.005	6.723	0.005		0.370	0.007	T	0.43	0.01	L	6.7723	0.0008	0.009	141		6.76	6.79		C			1 G								S
75753	12.338	0.262	10.994	0.126		1.378	0.011	G	1.62	0.02	I	10.9806	0.0048	0.037	88		10.92	11.05		C			1								G
75754	9.090	0.016	8.659	0.016		0.445	0.015	G	0.51	0.02	H	8.7317	0.0028	0.018	81		8.71	8.77					1								
75755	9.701	0.027	9.168	0.026		0.499	0.020	G	0.57	0.02	H	9.2607	0.0032	0.020	75		9.22	9.29					1								
75756	7.533	0.008	7.138	0.007		0.374	0.010	T	0.44	0.01	L	7.1927	0.0009	0.010	92		7.18	7.21		C			1								S
75757	10.401	0.025	9.061	0.014		1.136	0.022	T	1.10	0.02	L	9.1318	0.0015	0.021	187		9.10	9.17					1								
75758	10.518	0.029	9.057	0.014		1.231	0.025	T	1.19	0.03	L	9.0879	0.0014	0.021	183		9.05	9.13					1								
75759	9.159	0.018	8.749	0.019		0.360	0.028	G	0.42	0.03	H	8.8344	0.0024	0.015	62		8.80	8.88		C			1								
75760	12.311	0.247	10.918	0.104		1.178	0.210	T	1.14	0.19	L	10.9615	0.0055	0.036	78		10.91	11.03					1								G
75761	5.445	0.004	5.188	0.003		0.245	0.005	T	0.27	0.01	L	5.2203	0.0007	0.007	87		5.21	5.23					1								S
75762	7.835	0.011	6.889	0.007		0.821	0.010	T	0.84	0.01	L	6.9357	0.0009	0.008	79		6.93	6.95					1								S
75763	9.749	0.023	7.903	0.010		1.535	0.020	T	1.58	0.04	L	7.8479	0.0017	0.012	109		7.83	7.87					1								S
75764	7.051	0.004	6.920	0.005		0.126	0.006	T	0.14	0.01	L	6.9446	0.0008	0.008	113		6.93	6.96		C			1								S
75765	8.808	0.012	8.247	0.011		0.525	0.015	T	0.60	0.02	L	8.3063	0.0015	0.011	88		8.29	8.32		C			1								S
75766	9.577	0.019	9.058	0.019		0.487	0.024	T	0.56	0.03	L	9.1023	0.0018	0.020	117		9.07	9.14					1								S
75767	8.191	0.007	7.691	0.006		0.470	0.008	T	0.54	0.01	L	7.7497	0.0012	0.014	168		7.73	7.77					1								S
75768	9.200	0.018	8.313	0.014	A	1.200	0.495	G	0.81	0.05	L *	8.3117	0.0016	0.013	79	*	8.28	8.35		D	15287−1843	I 1	2 C A	AB	346	1.107	0.022		2.37	0.05	
75769	9.425	0.028	8.709	0.021	*	0.658	0.028	T	0.72	0.03	L *	9.0583	0.0029	0.025	83	*	9.02	9.11		R	15287−3118	I 1	2 C A	AB	183	2.214	0.003		0.31	0.02	
75770	6.267	0.003	6.156	0.004		0.100	0.007	G	0.10	0.03	C	6.1809	0.0008	0.007	129		6.17	6.20					1								S
75771	7.699	0.007	7.739	0.008		−0.039	0.002	G	−0.02	0.00	H	7.7399	0.0015	0.010	94		7.72	7.76		C			1								S
75772	7.495	0.007	7.200	0.007	*	0.280	0.011	T	0.32	0.01	L *	7.2267	0.0014	0.011	85	*	7.21	7.24		D	15288−3129	I 1	2 C A	AB	303	0.318	0.007		1.05	0.07	S
75773	9.858	0.024	8.597	0.015		1.075	0.022	T	1.04	0.02	L	8.6417	0.0022	0.016	74		8.62	8.67		C			1								
75774	9.401	0.018	8.055	0.010		1.141	0.016	T	1.10	0.02	L	8.0891	0.0013	0.015	118		8.07	8.12					1								S
75775						0.518	0.015	G	0.59	0.02	H	11.9676	0.0093	0.095	161		11.78	12.11		U			1 S								G G
75776	9.461	0.021	8.662	0.017		0.724	0.021	T	0.78	0.01	L	8.7329	0.0018	0.017	86		8.71	8.76					1								
75777	10.419	0.045	9.860	0.046		0.523	0.057	T	0.60	0.06	L	9.9299	0.0040	0.022	78		9.87	9.98		C			1								
75778	8.287	0.012	7.694	0.013		0.559	0.001	G	0.63	0.00	H	7.7676	0.0017	0.012	80		7.75	7.79		C			1								S
75779	12.413	0.244	10.976	0.103		1.215	0.197	G	1.17	0.19	R	11.0096	0.0052	0.034	67		10.95	11.07		C			1								G
75780	9.952	0.015	9.463	0.015		0.460	0.019	T	0.53	0.02	L	9.5007	0.0019	0.025	207		9.45	9.55					1								
75781	9.394	0.020	8.873	0.020		0.483	0.017	G	0.55	0.02	H	8.9009	0.0021	0.015	80		8.88	8.93		C			1								
75782	9.967	0.022	8.724	0.014		1.061	0.020	T	1.03	0.02	L	8.7933	0.0013	0.014	99		8.77	8.82		C			1								
75783	7.484	0.006	6.962	0.006		0.490	0.008	T	0.56	0.01	L	7.0131	0.0010	0.006	105		7.00	7.03		C	15289+5727	I 1	1								S
75784	10.177	0.029	8.835	0.017		1.138	0.026	T	1.10	0.03	L	8.8823	0.0022	0.019	75		8.84	8.91					1								
75785	9.723	0.017	8.604	0.012		0.964	0.016	T	0.95	0.01	L	8.6340	0.0024	0.019	129		8.61	8.67					1								S
75786	9.635	0.025	8.871	0.021		0.681	0.025	T	0.74	0.02	L	8.9559	0.0022	0.014	69		8.93	8.98		C			1								
75787	8.177	0.010	8.165	0.013		0.020	0.015	G	0.04	0.01	H	8.1875	0.0016	0.012	81		8.17	8.21		C			1								
75788	6.551	0.004	6.440	0.004		0.079	0.010	G	0.05	0.03	C	6.4696	0.0007	0.006	106		6.46	6.48		C			1								S
75789	8.297	0.009	8.060	0.010		0.226	0.013	T	0.25	0.01	L	8.1025	0.0023	0.016	101		8.08	8.13					1								S
75790	7.096	0.008	6.518	0.008	*	0.608	0.096	G	0.68	0.09	R *	6.5547	0.0006	0.006	77	−	6.54	6.57		D	15290−2852	I 1	3 C A								S G
75791	8.142	0.011	7.859	0.010		0.311	0.010	G	0.36	0.01	H	7.9019	0.0010	0.011	83		7.88	7.92		D			1								S
75792	10.999	0.067	10.214	0.052		0.713	0.066	T	0.77	0.06	L	10.3284	0.0029	0.029	83		10.24	10.38		C			1								G
75793	9.422	0.014	8.027	0.008		1.179	0.013	T	1.14	0.01	L	8.0548	0.0014	0.014	154		8.03	8.09					1								S
75794	10.143	0.030	9.425	0.025		0.646	0.029	T	0.71	0.03	L	9.4973	0.0025	0.018	85		9.46	9.52		C			1								
75795	8.498	0.009	8.243	0.010		0.246	0.015	G	0.28	0.02	H	8.2848	0.0015	0.012	117		8.26	8.32		C			1								S
75796	10.958	0.049	10.231	0.040	*	0.667	0.051	T	0.73	0.04	L *	10.4303	0.0028	0.026	127	*	10.38	10.48		D	15291+6829	H 1	2 C A	AB	38	0.360	0.022		1.65	0.17	
75797	11.023	0.046	9.980	0.030		0.906	0.041	T	0.91	0.03	L	10.0438	0.0034	0.038	124		9.97	10.13		R			1 X								G
75798	11.995	0.198	10.691	0.103		1.423	0.010	G	1.73	0.03	I	10.5570	0.0037	0.029	76		10.50	10.61					1								G
75799	8.252	0.012	7.113	0.008		0.979	0.011	T	0.96	0.01	L	7.1736	0.0013	0.011	80		7.15	7.19		C			1								S
75800	9.932	0.027	8.764	0.017		1.002	0.025	T	0.98	0.02	L	8.8171	0.0022	0.017	82		8.79	8.84		C			1								

Number	Descriptor: epoch J1991.25					Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)																						Soln	
HIP	RA		Dec	V		α (ICRS)		δ	π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ		$\alpha*$		δ		π		$\mu_{\alpha*}$		μ_δ										F1	F2
	h m s		±° ′ ″	mag		deg		deg	mas	mas/yr		mas		mas	mas/yr		$\alpha*$		$\alpha*$		δ		$\alpha*$		δ		π		$\mu_{\alpha*}$								%	
1 2	3		4	5	6 7	8		9	10 11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28										29	30
75801	15 29 08.61	−23 41 57.7	9.56	H	232.285 889 51	−23.699 355 82		12.10	42.23	−18.20	1.24	0.67	1.35	1.51	1.20	−20	−30	+	1	+	8	−10	+18	−16	+23	+12	−	7										0	0.28
75802	15 29 08.70	−39 17 26.7	8.84	H	232.286 240 75	−39.290 743 68		11.82	−34.51	−48.23	0.95	0.74	1.25	1.32	1.01	−15	−	6	−29	+28	+16	−	6	+15	+33	−23	+	5										2	0.16
75803	15 29 09.30	−04 36 08.8	8.95	H	232.288 748 16	−04.602 431 98		4.86	9.74	−24.03	1.12	0.66	1.20	1.21	1.06	−17	−42	+	2	+34	−12	−	4	−14	+23	+	3	−26										0	−0.18
75804 H	15 29 09.32	+12 52 16.4	10.12	H	232.288 822 86	+12.871 227 15	A	0.61	−12.63	10.90	2.49	1.70	2.36	2.74	2.28	−	7	−19	−12	+10	−	9	+17	−16	+	1	−11	−33										1	−1.16
75805	15 29 09.84	−06 58 45.0	8.59	H	232.291 008 10	−06.979 154 89	A	3.55	−15.71	5.55	2.64	1.61	2.19	2.89	2.22	−12	−14	−19	+27	−	7	+10	−	9	+	5	+10	−19										1	−0.14
75806	15 29 09.92	−24 27 05.3	7.77	H	232.291 332 80	−24.451 483 95		5.04	−9.19	−15.04	1.04	0.56	1.17	1.21	0.91	−20	−35	−	2	+10	−	7	+33	−	2	+24	−11	−10										0	−0.75
75807 T	15 29 10.20	−06 58 24.4	12.47	H	232.292 485 47	−06.973 446 35	B	3.55	−15.71	5.55	137.73	81.44	2.19	2.89	2.22	−13	−	6	−	2	+	0	+	3	+10	+	4	−	7	+10	−19						1	−0.14
75808	15 29 10.85	−40 06 21.1	9.31	H	232.295 202 03	−40.105 861 26		5.48	−34.27	−26.21	1.05	0.84	1.41	1.38	1.27	−26	−	8	−22	+14	−	4	−10	−	5	+33	−19	−21										0	−0.01
75809	15 29 11.97	+80 26 54.0	6.57	G	232.299 893 31	+80.448 340 39		45.32	−225.23	107.78	0.50	0.53	0.57	0.58	0.64	+	9	−16	−26	−	3	−14	+	7	−	9	+21	−14	−	7								1	−1.59
75810	15 29 12.14	+16 23 43.7	6.38	H	232.300 565 22	+16.395 470 22		6.53	−32.84	61.00	0.79	0.61	1.02	0.91	0.85	−14	−26	−19	−54	+	6	+25	+	6	−35	+32	−31										0	−1.09
75811	15 29 12.54	+22 13 47.7	9.60	H	232.302 249 01	+22.229 920 45		8.46	−23.24	−34.66	1.01	1.05	1.58	1.40	1.58	−26	−13	+	7	+60	−16	−	5	−27	+30	+24	−47										2	0.23
75812	15 29 13.15	−65 03 01.1	8.17	H	232.304 781 73	−65.050 301 69		1.65	−12.43	−7.62	0.65	0.74	1.00	0.78	0.93	+10	−	8	+	7	+27	+17	+	3	+15	+36	+	6	+22										0	−0.77
75813	15 29 13.46	−73 52 51.8	11.60	G	232.306 095 77	−73.881 066 49		18.24	−634.19	−203.15	1.30	1.59	2.02	1.56	1.88	+	9	−13	+15	+	4	+	6	−	3	+	3	+24	−	2	+28						0	−1.11
75814 H	15 29 13.60	−73 10 23.4	9.63	H	232.306 656 53	−73.173 170 39	A	4.24	−9.78	−12.97	2.12	2.72	2.74	2.14	2.74	+28	+	4	+14	−	3	+	4	−14	+	2	+31	+	1	+38						3	2.26
75815	15 29 15.79	−65 53 24.5	6.86	H	232.315 797 70	−65.890 136 32		4.61	−18.94	−36.41	0.39	0.49	0.75	0.39	0.56	+24	−14	−	8	−11	−14	−10	−14	+24	−	7	+19										0	0.08
75816	15 29 16.18	−22 41 59.9	9.18	G	232.317 403 31	−22.699 961 40		2.11	−15.65	−3.75	1.21	0.69	1.42	1.54	1.31	−13	−19	−23	−	3	+	4	−	9	−	5	+	0	+33	−13						0	1.11
75817	15 29 18.18	+66 39 29.9	8.69	H	232.325 747 37	+66.658 312 26		2.53	−22.44	5.78	0.66	0.69	0.74	0.71	0.80	+13	−	7	−10	−25	+	5	−26	+	3	+16	−	9	+14								4	0.90
*75818	15 29 19.30	−38 38 05.4	6.44	1 H	232.330 401 84	−38.634 826 99		15.88	−32.35	−70.76	0.57	0.48	0.75	0.62	0.64	−37	−19	−18	+	4	+	3	−15	+	5	+20	−13	−40										0	−1.51
*75819	15 29 19.23	−49 57 10.3	7.68	H	232.330 144 73	−49.952 871 22		18.55	−224.12	−86.11	0.70	0.69	1.04	0.84	0.95	−22	−15	−14	+	3	+	3	−28	+	0	+10	−	9	−23								2	0.20
75820	15 29 19.59	−08 31 51.1	9.94	H	232.331 604 77	−08.530 873 35		9.96	14.04	8.89	1.37	0.76	1.61	1.62	1.27	−16	−26	−	3	+	3	−	5	+18	−	1	−	3	−14	−15								0	1.12
75821	15 29 20.29	−27 42 08.6	8.64	H	232.334 521 17	−27.702 385 26		3.65	−11.91	−8.60	1.04	0.69	1.24	1.16	1.01	−33	−	3	−18	+	3	+10	+	4	+15	−13	+21	−20										0	1.83
75822	15 29 21.13	+62 05 58.4	6.32	H	232.338 041 50	+62.099 550 96		4.79	−28.42	−8.88	0.48	0.46	0.51	0.55	0.55	−	3	−	9	−	7	−15	+	5	−	9	+	5	+17	−	5	−	3			0	−0.33
75823	15 29 22.07	+27 05 57.8	8.54	H	232.341 977 78	+27.099 393 67		1.77	−22.49	9.91	0.77	0.82	1.34	0.79	0.96	+	2	−13	−15	+39	−14	−15	−17	+37	−	7	−24										0	0.29
75824	15 29 23.12	−40 09 49.8	8.81	H	232.346 331 69	−40.163 827 83		6.58	−20.05	−18.40	0.96	0.79	1.33	1.22	1.15	−24	−	9	−28	+15	−	3	−14	−	6	+36	−20	−19										0	−0.75
75825	15 29 23.29	+47 42 48.4	6.84	H	232.347 043 72	+47.713 436 87		7.04	11.53	4.51	0.50	0.48	0.57	0.56	0.56	+16	−	1	+	4	−13	−	1	−	9	−	2	+	6	+	1	+19					0	0.20
75826	15 29 23.91	+78 19 51.0	8.39	H	232.349 629 10	+78.330 842 84		1.93	−1.54	−7.65	0.66	0.71	0.75	0.66	0.84	+	1	−	8	−25	−20	+	2	−	8	−	2	−17	+14	+	7						0	1.66
75827	15 29 23.99	+11 23 19.8	10.05	2 H	232.349 973 63	+11.388 844 41		3.17	−4.37	−33.17	1.53	1.03	1.74	2.40	1.43	+	5	−29	−18	+	2	−23	+	4	−16	−	9	−14	−12								5	0.64
75828	15 29 24.28	−46 43 57.7	5.26	1 H	232.351 150 72	−46.732 690 70		3.68	−8.29	−5.56	0.63	0.49	0.74	0.70	0.57	−	7	−26	−25	+22	+23	−10	+21	+21	+	3	−	4										0	0.06
75829	15 29 24.36	+80 27 00.0	7.30	G	232.351 487 09	+80.450 010 55		46.05	−217.42	105.53	0.62	0.63	0.69	0.75	0.79	+	9	−14	−26	−	6	−13	+13	−	6	+23	−16	−	4								0	−2.60
75830	15 29 24.41	−19 24 16.7	8.73	G	232.351 696 32	−19.404 645 59		1.52	−3.70	−7.48	1.13	0.64	1.25	1.42	1.10	−22	−17	−11	+	4	+14	+	1	+19	−	7	+	7	−11								0	−0.67
75831	15 29 25.03	−43 34 42.1	8.06	H	232.354 298 31	−43.578 366 77		12.27	9.47	−38.24	0.80	0.63	0.99	0.87	0.80	−12	−18	−	7	+	5	+	5	−11	+	5	+16	−	4	−	7						0	−0.88
75832	15 29 25.40	−11 43 49.3	8.69	H	232.355 823 88	−11.730 351 00		2.28	−4.34	−11.57	1.19	0.63	1.29	1.58	1.12	−20	−25	+	7	+18	−	1	+	4	+	2	+	1	−	4	−13					0	1.15
75833 H	15 29 26.12	−35 24 08.2	8.52	H	232.358 814 41	−35.402 267 19	A	9.76	−29.73	−12.76	1.71	1.24	1.80	2.05	1.58	−	6	−10	−12	+	6	−	4	+18	−	3	+16	−	2	+12					5	2.42
75834	15 29 26.41	−26 36 20.8	8.32	H	232.360 035 29	−26.605 790 95		3.26	4.66	−16.87	1.14	0.64	1.29	1.37	0.97	−15	−16	−28	−16	−	1	+	5	−	5	−	2	+	2	+	4					2	1.59
75835	15 29 26.76	+01 50 37.1	8.81	H	232.361 486 41	+01.843 640 96		4.75	3.00	0.93	1.10	0.66	1.16	1.36	0.95	+	4	−18	−12	+27	+	2	+	7	+	0	−	4	+	0	−	7				0	0.85
75836	15 29 26.91	−28 50 51.8	8.64	2 H	232.362 121 60	−28.847 721 03		11.15	−50.63	−54.02	1.17	0.75	1.49	1.37	1.26	−32	−	8	−25	+	3	+12	+	1	+13	−13	+42	−27										0	3.23
75837 H	15 29 30.87	−51 23 26.8	7.65	H	232.378 642 23	−51.390 784 29	A	7.43	−61.37	−90.67	1.15	1.01	1.30	1.24	1.18	−17	−16	+	1	+	8	+14	−22	+14	+11	+	8	−	4								2	0.73
75838	15 29 31.50	−46 54 25.0	7.83	H	232.381 241 34	−46.906 945 01		3.28	−23.35	−27.44	0.78	0.65	0.98	0.85	0.76	−11	−25	−27	+18	+16	−18	+12	+12	+	2	−14		0	1.10										
75839	15 29 31.80	+06 08 53.4	10.94	G	232.382 483 65	+06.148 167 12		27.55	−212.01	−389.95	24.50	17.73	28.89	27.52	21.00	−15	−32	−	2	−	2	+	4	−11	+	0	−32	+	5	−23		0							
75840	15 29 32.70	−48 44 08.9	9.37	H	232.386 244 41	−48.735 815 08	A	14.05	−90.56	−46.51	3.42	3.22	3.57	4.04	4.28	−22	−	3	−20	+27	+	2	+	4	+	9	+34	−12	+	0		1	0.54				
75841	15 29 32.89	−50 15 33.1	10.71	H	232.387 045 10	−50.259 202 28		7.23	1.54	−5.76	1.88	1.69	2.54	2.25	2.30	−11	−20	−18	+	6	+	7	−23	+	4	+15	+	3	−16								0	0.95
75842 H	15 29 32.90	−58 21 04.8	6.70	H	232.387 075 46	−58.351 344 22	A	12.05	−25.09	−47.26	1.17	1.00	1.34	1.52	1.34	+14	−	7	−16	+41	+25	−28	+23	+20	+29	+30										5	0.57
75843	15 29 33.11	−57 14 51.3	8.14	H	232.387 975 46	−57.247 583 24		7.96	−26.56	−30.62	0.75	0.84	1.23	1.18	1.23	−12	+10	+	3	+	0	−	2	−46	−	3	+24	+13	−	3								0	2.29
75844	15 29 33.25	+04 38 52.3	9.88	H	232.388 543 63	+04.647 871 78		4.88	−0.91	−10.08	1.45	1.01	1.70	1.80	1.42	−	4	−27	−18	+26	−	6	+17	+	1	+18	−14	−14										0	0.96
75845 T	15 29 33.41	−48 44 22.0	11.88	H	232.389 188 74	−48.739 446 02	B	14.05	23.80	−109.45	73.82	63.05	3.57	56.97	54.72	−26	−	2	+	5	+	7	+	7	−	9	+14	+14	−	1	+	7				1	0.54
75846	15 29 33.73	+36 04 38.2	8.79	H	232.390 531 25	+36.077 269 58		1.80	−16.12	14.67	0.74	0.79	1.09	0.82	0.88	+19	−17	−	7	+10	+26	−15	+27	+23	−19	+16										0	−0.80
75847	15 29 34.66	+78 38 00.2	9.24	3 H	232.394 437 06	+78.633 399 59		1.63	−31.84	5.10	0.71	0.77	0.82	0.84	1.13	−	4	−17	+11	+	1	−	7	+13	−13	+	6	+12	+	4								0	−0.81
75848	15 29 34.78	−17 26 27.4	6.69	H	232.394 933 21	−17.440 955 97		11.21	−67.68	6.75	0.78	0.46	0.85	0.87	0.63	−16	−22	−	2	+25	−	4	+24	−	2	+21	+	3	−	4								2	1.02
75849	15 29 35.07	−49 17 01.9	10.95	2 H	232.396 117 43	−49.283 872 49		−0.13	−1.25	−0.52	2.30	1.95	3.14	2.64	2.68	−	2	−15	−35	+	4	+10	−	3	+15	+20	−24	−	2								0	2.99
75850	15 29 36.69	+23 18 38.0	8.84	H	232.402 855 09	+23.310 564 24		3.93	−3.13	5.53	0.82	0.86	1.40	1.09	1.22	−21	−27	−18	+30	−	7	−29	−25	+	1	+35	−51										0	0.50
75851	15 29 36.80	−15 32 15.0	10.13	H	232.403 345 91	−15.537 498 24		5.38	−22.92	−11.39	1.79	0.91	1.89	2.03	1.49	−	6	−32	−	5	+22	+	4	+	9	+11	+	8	−14	−10								0	−0.27
75852	15 29 37.10	+01 45 30.8	8.42	H	232.404 595 01	+01.758 556 15		11.72	26.02	22.02	1.08	0.65	1.15	1.32	0.97	−	3	−16	−	2	+30	+	5	+	0	+	6	−10	−14	−	8						0	−0.31
75853	15 29 37.95	+43 24 11.6	10.34	H	232.408 120 54	+43.403 216 69		2.16	1.68	1.18	1.17	1.16	1.44	1.43	1.37	+14	+	2	+	1	−	6	+10	−	6	−	1	−	7	+12		0	0.58					
75854	15 29 38.21	−26 41 19.2	9.61	G	232.409 199 38	−26.688 661 77		9.68	−35.82	−41.06	8.74	5.16	9.92	9.99	6.82	−	8	−28	−23	−	3	+	5	+11	+	7	−	8	+12	+13		0						
75855	15 29 39.37	+09 13 10.0	9.14	H	232.414 042 52	+09.219 433 16		6.28	−21.23	−33.81	1.41	0.91	1.54	1.73	1.35	−	3	−40	−25	+35	−23	−15	−42	+	3	+20	−47										0	−0.48
75856	15 29 41.47	+50 30 40.9	8.72	H	232.422 776 25	+50.511 352 34		4.37	−0.84	14.28	0.74	0.68	0.82	0.98	0.91	+19	−12	−12	+	0	−	1	+11	+	0	+14	−	1	+22								0	−1.28
75857	15 29 42.46	+48 36 13.1	9.47	H	232.426 934 05	+48.603 633 77		5.26	−59.76	41.94	0.91	0.90	1.08	1.16	1.07	+14	−15	−14	+	0	−	3	+	3	−	4	+	8	+	5	+23							5	0.01
75858	15 29 43.73	−16 50 28.3	8.56	H	232.432 188 12	−16.841 188 49		2.11	−20.36	−10.85	1.20	0.57	1.28	1.44	0.87	−	2	−23	+	2	+33	+	6	+38	+10	+19	+	5	+	8								0	0.81
*75859	15 29 43.79	+01 10 56.3	8.96	H	232.432 444 38	+01.182 307 57		7.49	−49.30	−11.58	1.19	0.71	1.34	1.54	1.09	−	3	−36	−	6	+23	+	2	+	2	+	7	−	5	−	6	+	1				0	0.29
*75860	15 29 43.78	−46 58 49.2	9.83	H	232.432 412 22	−46.980 345 22		1.04	−9.31	−7.69	1.27	1.02	1.65	1.37	1.20	−	6	−24	−37	−	7	+17	−13	+12	+11	+	0	−	5								0	1.63
75861	15 29 44.47	+16 11 31.1	7.13	1 H	232.435 299 08	+16.191 983 92		5.07	−32.14	7.70	0.75	0.65	1.00	0.91	1.03	−19	+10	−27	−40	+	2	−17	+	6	−23	+38	−54										0	0.57
75862	15 29 44.59	+35 10 31.1	7.96	G	232.435 799 42	+35.175 319 38		16.09	8.63	−34.13	0.54	0.61	0.82	0.60	0.69	+13	−	2	−	4	+	2	+	4	−	6	+	5	+12	+	2	+	1				0	0.17
75863	15 29 44.70	−58 34 51.2	9.74	G	232.436 229 17	−58.580 895 51		0.97	−3.31	−3.27	1.22	1.20	1.66	1.61	1.74	+	7	+	6	−25	+39	+17	+	3	+20	+17	+35	+17										0	0.55
75864 H	15 29 45.06	+04 38 49.6	9.73	H	232.437 740 76	+04.647 108 51	A	−1.25	−28.20	−8.26	3.24	2.00	2.64	2.77	2.25	+41	−17	−20	+11	−	2	+11	−	2	+	5	−	7	−27								2	0.61
75865	15 29 48.31	−67 29 16.1	9.32	H																																	
75866	15 29 48.60	−63 16 02.1	8.67	1 H	232.452 497 94	−63.267 252 54		1.69	−0.06	1.56	0.67	0.85	1.33	0.81	1.01	−13	−16	+	3	+11	+22	−39	+27	+	4	−11	−	2										0	0.52
75867	15 29 48.86	−02 49 32.1	9.90	G	232.453 572 73	−02.825 573 13		5.80	−13.49	−9.76	1.56	0.91	1.66	2.04	1.52	−11	−14	−16	+43	−14	+11	−18	+22	+18	−23												0	−0.72
75868	15 29 49.18	+42 24 19.5	10.17	H	232.454 919 97	+42.405 405 37		2.91	−6.76	7.06	1.03	1.02	1.34	1.37	1.26	+	7	+	8	−	3	+13	+	1	+11	+	0	−	5	−21	+	5					0	0.90
75869	15 29 49.40	+28 56 56.5	9.59	H	232.455 844 61	+28.949 027 52		6.24	−38.10	29.69	0.77	0.94	1.46	0.76	1.08	+16	−12	+	4	−	5	−	2	+	4	+	2	+22	−	4	+	3					0	1.21
75870	15 29 50.68	+82 15 49.1	6.93	H	232.461 156 21	+82.263 638 65		14.83	66.67	−9.28	0.46	0.51	0.54	0.56	0.61	−13	+	4	−20	+29	−17	+25	−10	+21	−11	−18												0	1.29
75871	15 29 50.71	+18 29 59.4	7.21	H	232.461 302 20	+18.499 845 97		4.60	−26.21	8.20	0.66	0.64	0.96	0.83	0.92	−35	−19	−	9	−27	+	1	+14	−	6	−29	+23	−47										0	0.62
75872	15 29 50.98	+34 44 10.9	9.16	H	232.462 412 77	+34.736 357 42		2.65	4.81	−0.44	0.70	0.80	1.11	0.72	0.89	+	6	−	7	+	3	−	2	+	5	−	1	+	8	+13	+11	−10					0	0.83
75873	15 29 51.55	−67 29 06.0	7.36	G	232.464 771 22	−67.485 002 34		2.00	−5.56	−9.84	0.39	0.53	0.83	0.44	0.67	+27	−13	−	3	−11	+	6	−	9	+	5	+	3	−	7	+41		1	2.02				
75874	15 29 53.82	+80 46 15.7	6.94	H	232.474 239 10	+80.771 037 74		6.27	16.30	8.70	0.48	0.50	0.52	0.51	0.62	+11	−18	−20	−14	−10	+	4	−	7	+26	−	5	+	2		0	−1.31					
75875	15 29 54.15	+23 49 01.8	7.59	H	232.475 620 49	+23.817 162 07		7.91	−25.46	−11.30	0.59	0.66	0.93	0.84	1.06	−18	−14	+	5	+	6	+	2	−	8	−	2	−	3	+20	−35		0	0.38				
75876	15 29 54.16	−56 22 29.7	8.82	H	232.475 667 79	−56.374 928 49		7.32	−24.45	−13.12	0.87	0.93	1.22	1.39	1.48	−15	+	7	−33	+	0	+	0	−	9	−	6	+18	+11	−	2		0	−0.79				
75877	15 29 54.64	−46 06 02.7	10.54	H	232.477 684 82	−46.100 760 66		9.08	−50.16	32.54	1.59	1.30	2.13	2.02	1.71	−10	−20	−	7	+11	+14	−19	+11	+	8	+	6	+12		2	−0.43							
75878	15 29 55.78	−49 20 23.8	8.45	2 H	232.482 430 29	−49.339 957 42		4.61	2.43	−6.01	0.92	0.90	1.31	1.04	1.23	−12	−25	−30	+	5	−	4	−13	−	5	+18	−10	−33		0	1.04							
75879	15 29 56.70	−14 48 50.7	8.55	H	232.486 252 54	−14.814 089 79		2.02	−16.75	−4.05	1.16	0.57	1.42	1.30	1.10	−	7	−47	−20	+	7	−	5	+31	+17	+12	−34	−45		0	−0.33							
75880	15 29 57.26	+27 12 43.7	9.00	H	232.488 579 58	+27.212 141 50		9.83	−5.22	23.20	0.94	1.05	1.42	0.99	1.30	+	0	−	8	−	6	+27	+	6	−	7	−	5	+	6	+	0	−44		0	1.00			
75881	15 29 57.64	+32 37 07.4	8.36	H	232.490 169 49	+32.618 717 09		9.30	−14.24	18.41	0.54	0.66	0.95	0.59	0.72	+24	−10	−13	+	1	+10	−	6	+12	+10	−	7	+	6		1	1.55						
75882 H	15 29 58.34	−10 03 19.5	9.14	H	232.493 086 10	−10.055 424 76	*	6.47	8.95	−8.47	1.10	0.58	1.44	1.64	1.13	−31	−16	−10	−	2	−	4	+25	−	3	−10	+	3	−23		0	−0.04						
*75883 H	15 29 58.47	+25 30 31.0	7.62	H	232.493 638 17	+25.508 608 98	A	2.12	−4.86	8.10	1.21	1.24	1.65	1.21	1.65	−37	−49	+20	+49	+	1	−34	−	7	−	9	+11	−55		2	1.04							
*75884	15 29 58.38	−52 18 10.1	6.70	H	232.493 262 95	−52.302 812 81		3.19	−7.22	−8.65	0.57	0.55	0.72	0.61	0.63	−	3	−24	−21	+24	−	6	+13	−	2	+38	−	1	−11		0	−0.59						
75885	15 29 59.95	−12 46 35.6	7.78	H	232.499 776 96	−12.776 555 33		6.86	3.24	9.89	0.94	0.49	1.07	0.96	0.84	−17	−49	−	1	+	9	−	1	+18	+	6	+	9	−12	−38		0	1.13						
75886	15 30 00.15	+70 23 10.1	8.40	2 H	232.500 619 03	+70.386 145 60		0.94	2.57	10.83	0.65	0.68	0.72	0.67	0.79	+	8	−21	−27	−12	−20	+	6	−17	+18	−14	−	5		0	−0.68							
75887	15 30 00.26	−52 50 50.9	8.02	H	232.501 068 96	−52.847 461 63		2.37	−0.80	−5.05	0.82	0.69	1.02	1.03	0.88	+	3	−21	−13	+	9	+	6	+	5	+	5	+26	+	0	+	9	2	−0.13				
75888	15 30 00.95	+62 42 50.1	8.53	H	232.503 971 66	+62.713 925 09		1.48	−16.01	20.90	0.65	0.62	0.68	0.68	0.77	+	4	−12	−	7	−33	+	6	−	8	+	1	+12	+13	+	8	1	−2.11					
75889 H	15 30 02.39	−45 07 28.8	9.68	H	232.509 963 68	−45.124 662 72	A	7.76	−75.87	−40.49	2.80	2.16	3.16	2.67	2.58	−	8	−23	−26	−	2	+12	−21	+13	+11	−12	−28		0	0.56							
75890	15 30 04.02	−51 06 35.3	8.65	H	232.516 756 65	−51.109 814 91		5.50	−40.60	−57.11	1.03	0.84	1.24	1.16	1.04	+	1	−27	−24	+28	+32	−12	+33	+	5	+	8	+17		0	−1.59							
75891	15 30 04.28	−41 07 10.0	8.62	H	232.517 835 24	−41.119 437 58		6.46	−19.22	−26.77	0.92	0.73	1.13	1.08	1.08	−25	−16	−20	+22	−16	+	1	−12	+

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
75801	10.353	0.040	9.611	0.034		0.664	0.040	T	0.73	0.03	L	9.6964	0.0019	0.017	91		9.66	9.72		C			1							
75802	9.523	0.018	8.930	0.017		0.554	0.018	T	0.63	0.02	L	8.9638	0.0017	0.017	104		8.93	8.99		C			1							
75803	9.265	0.016	8.957	0.018		0.293	0.023	T	0.33	0.03	L	9.0236	0.0018	0.016	91		8.99	9.05		C			1							
75804	11.419	0.104	10.245	0.057	A	0.725	0.126	G	0.78	0.09	R *	10.2609	0.0033	0.026	72	*	10.20	10.30		D	15292+1252	H 1	2 C A	AB	138	2.225	0.010	1.36	0.05	
75805	9.963	0.025	8.695	0.015	A	1.080	0.023	T	1.04	0.02	L	8.7605	0.0350	0.024	116	A	8.71	8.80		D	15292−0659	I 2	1 C P C							
75806	9.084	0.017	7.871	0.011		1.037	0.016	T	1.01	0.01	L	7.9381	0.0015	0.012	91		7.92	7.96					1							
75807											T	11.7523	0.4417			B				D	15292−0659	I 2	1 C F C							
75808	9.888	0.023	9.333	0.022		0.525	0.024	T	0.60	0.03	L	9.4218	0.0026	0.019	97		9.39	9.45		C			1							
75809	7.381	0.007	6.658	0.007		0.665	0.005	G	0.73	0.00	H	6.7384	0.0019	0.017	113		6.71	6.77		D	15293+8027	I 2	1							S
75810	7.591	0.008	6.483	0.006		0.955	0.008	T	0.94	0.01	L	6.5379	0.0010	0.006	85		6.52	6.55					1							S
75811	10.257	0.031	9.671	0.029		0.547	0.038	T	0.62	0.04	L	9.7151	0.0025	0.027	114		9.67	9.77					1							
75812	9.643	0.018	8.297	0.011		1.141	0.017	T	1.10	0.02	L	8.3351	0.0016	0.015	124		8.31	8.37					1							
75813						1.130	0.020	G	1.22	0.03	I	11.4751	0.0043	0.047	145		11.40	11.56		C			1							D
75814	9.542	0.030	9.059	0.027	*	0.455	0.036	T	0.52	0.04	L *	9.7361	0.0029	0.034	167	*	9.67	9.79		D	15292−7310	I 1	2 C A	AB	84	2.591	0.010	0.82	0.04	G
75815	8.967	0.009	7.047	0.004		1.628	0.008	T	1.89	0.03	O	6.9475	0.0009	0.012	251		6.93	6.97					1							S
75816	9.852	0.028	9.289	0.025		0.586	0.020	G	0.66	0.02	H	9.3246	0.0017	0.015	76		9.29	9.34					1							
75817	10.312	0.030	8.843	0.016		1.238	0.027	T	1.20	0.03	L	8.8490	0.0014	0.016	107		8.82	8.88					1							
75818	6.838	0.005	6.477	0.005		0.351	0.006	T	0.41	0.01	L	6.5253	0.0020	0.018	129		6.50	6.55	1.15	P 1 A			1							S P
75819	8.626	0.012	7.767	0.010		0.770	0.005	G	0.84	0.02	A	7.8243	0.0012	0.012	93		7.80	7.84		C			1							
75820	10.572	0.036	9.965	0.034		0.566	0.043	T	0.64	0.04	L	10.0602	0.0026	0.025	116		10.02	10.10					1							
75821	10.015	0.026	8.750	0.016		1.078	0.024	T	1.04	0.02	L	8.8079	0.0021	0.014	80		8.78	8.83		C			1							
75822	8.105	0.009	6.469	0.004		1.369	0.008	T	1.34	0.01	L	6.4694	0.0009	0.007	118		6.46	6.48					1							S
75823	9.555	0.015	8.624	0.011		0.823	0.014	T	0.85	0.01	L	8.6962	0.0018	0.019	153		8.66	8.73					1							S
75824	9.300	0.016	8.819	0.015		0.465	0.017	T	0.54	0.02	L	8.9184	0.0019	0.017	97		8.89	8.95		C			1							
75825	6.925	0.004	6.853	0.004		0.071	0.005	T	0.08	0.01	L	6.8728	0.0007	0.008	134		6.86	6.89		C	15294+4743	I 1	1							S
75826	9.927	0.023	8.516	0.013		1.192	0.021	T	1.15	0.02	L	8.5563	0.0016	0.017	106		8.53	8.59					1							
75827	10.589	0.053	10.010	0.048		0.541	0.063	T	0.61	0.07	L	10.1669	0.0031	0.021	61		10.10	10.20		U			1							
75828	7.539	0.008	5.447	0.004		1.731	0.007	T	1.76	0.01	L	5.3563	0.0017	0.012	85		5.34	5.38		U 2			1							S
75829	8.329	0.011	7.426	0.008		0.803	0.009	G	0.83	0.01	H	7.5106	0.0029	0.022	114		7.48	7.54		D	15293+8027	I 2	1							S
75830	8.705	0.014	8.674	0.018		−0.026	0.005	G	0.00	0.01	H	8.7191	0.0023	0.018	75		8.70	8.75					1							
75831	8.577	0.011	8.103	0.011		0.453	0.015	G	0.52	0.02	H	8.1557	0.0014	0.013	100		8.14	8.18		C			1							S
75832	10.616	0.051	8.880	0.020		1.448	0.043	T	1.45	0.07	L	8.8277	0.0018	0.013	87		8.81	8.85		C			1							
75833	9.130	0.018	8.608	0.017	A	0.506	0.071	G	0.57	0.04	L *	8.6277	0.0026	0.016	75	*	8.60	8.68			15294−3524	I 1	2 C B	AB	253	9.619	0.060	3.28	0.15	
75834	9.977	0.029	8.438	0.015		1.293	0.026	T	1.25	0.03	L	8.4767	0.0019	0.016	73		8.45	8.50					1							
75835	9.250	0.028	8.897	0.029		0.335	0.038	T	0.39	0.05	L	8.8913	0.0027	0.018	84		8.86	8.92		C			1							
75836	9.584	0.021	8.769	0.017		0.736	0.021	T	0.78	0.01	L	8.7799	0.0075	0.048	80		8.71	8.83	0.27	P 1 A	15294−2851	I 1	1 S							P
75837	9.131	0.016	7.819	0.010	A	1.140	0.400	G	1.09	0.03	L *	7.8211	0.0017	0.015	81	*	7.79	7.86			15295−5123	I 1	2 C B	AB	336	7.960	0.034	3.57	0.17	
75838	9.985	0.026	8.037	0.010		1.616	0.022	T	1.64	0.02	L	7.9422	0.0020	0.016	94		7.92	7.97					1							
75839	11.588	0.115	11.119	0.131		0.709	0.010	G	0.76	0.01	H	11.0789	0.0055	0.046	76		10.95	11.14		C			1 X							G G
75840	10.371	0.039	9.515	0.030	A	0.767	0.037	T	0.81	0.04	L	9.5110	0.0275	0.041	75	A	9.46	9.59		D	15295−4844	I 2	1 C P D							D
75841	11.434	0.113	10.726	0.091		0.639	0.109	T	0.70	0.10	L	10.8419	0.0046	0.048	93		10.78	10.92					1							G
75842	7.141	0.026	6.942	0.030	A						T *	6.7103	0.0012	0.010	78	*	6.70	6.73		D	15296−5821	I 1	2 C A	AB	32	2.436	0.004	0.99	0.01	S
75843	8.515	0.013	8.176	0.014		0.322	0.018	T	0.37	0.02	L	8.2194	0.0025	0.015	72		8.20	8.25					1							
75844	10.324	0.039	9.846	0.041		0.450	0.052	T	0.52	0.06	L	9.9792	0.0033	0.026	77		9.91	10.02					1							
75845											T	12.0712	0.2692			B				D	15295−4844	I 2	1 C L D							D
75846	10.720	0.035	8.959	0.014		1.468	0.030	T	1.48	0.04	L	8.9239	0.0021	0.022	142		8.89	8.97					1							
75847	10.624	0.050	9.359	0.025		1.088	0.046	T	3.45	0.35	O	8.9656	0.1363	0.964	98		7.43	10.25	324.70	P 1 B			1 S							G P
75848	7.139	0.005	6.718	0.006		0.398	0.007	T	0.46	0.01	L	6.7790	0.0009	0.009	87		6.77	6.80					1							S
75849	11.665	0.125	11.224	0.143		0.363	0.107	G	0.42	0.12	R	11.0381	0.0080	0.065	79		10.93	11.13		U			1 S							G
75850	9.318	0.017	8.888	0.017		0.406	0.022	T	0.47	0.02	L	8.9361	0.0018	0.020	106		8.89	8.97		C			1							
75851	10.647	0.049	10.170	0.051		0.462	0.055	T	0.53	0.06	L	10.2320	0.0025	0.023	86		10.19	10.27		C			1							G
75852	9.070	0.018	8.498	0.017		0.535	0.022	T	0.61	0.02	L	8.5345	0.0022	0.015	87		8.51	8.56					1							S
75853	11.643	0.086	10.433	0.046		1.035	0.076	T	1.01	0.06	L	10.5072	0.0044	0.036	125		10.46	10.58					1							
75854	10.364	0.040	9.670	0.035		0.641	0.002	G	0.71	0.00	H	9.7547	0.0032	0.019	73		9.72	9.80		C			1 X							G
75855	9.667	0.024	9.191	0.024		0.448	0.031	T	0.52	0.03	L	9.2440	0.0021	0.018	59		9.21	9.28		C			1							
75856	9.221	0.015	8.748	0.015		0.446	0.019	T	0.52	0.02	L	8.8189	0.0017	0.017	103		8.79	8.85		C			1							S
75857	10.309	0.033	9.584	0.028		0.665	0.035	T	0.73	0.03	L	9.6098	0.0027	0.028	120		9.55	9.66					1							
75858	9.493	0.021	8.696	0.017		0.722	0.021	T	0.77	0.01	L	8.7033	0.0017	0.016	83		8.68	8.73					1							
75859	9.933	0.027	9.051	0.021		0.786	0.026	T	0.82	0.02	L	9.1118	0.0023	0.018	82		9.08	9.14		C			1							
75860	10.236	0.034	9.828	0.036		0.386	0.046	T	0.45	0.05	L	9.9184	0.0025	0.025	85		9.88	9.96		C			1							G
75861	8.445	0.011	7.248	0.008		1.025	0.011	T	1.00	0.01	L	7.2952	0.0038	0.021	86		7.27	7.33	7.19	P 1 A			1							S
75862	8.557	0.009	8.021	0.008		0.503	0.011	T	0.58	0.01	L	8.0647	0.0013	0.016	171		8.04	8.10					1							S
75863	11.139	0.089	9.833	0.044		1.176	0.029	G	1.14	0.03	H	9.9053	0.0044	0.026	80		9.86	9.94					1							G
75864	10.246	0.037	9.763	0.037	A	0.391	0.072	G	0.46	0.08	R *	9.8164	0.0031	0.022	75	*	9.77	9.86		D	15298+0439	H 1	2 C A	AB	230	1.316	0.043	2.04	0.10	
75865						0.060	0.139	G	0.07	0.11	R	9.3448	0.0674	0.854	222		7.86	10.49		D	15298−6729	I 2	S							G
75866	10.609	0.033	8.852	0.014		1.470	0.020	G	1.48	0.03	H	8.8040	0.0020	0.024	135		8.77	8.85		U			1 S							
75867	10.586	0.052	9.977	0.046		0.598	0.015	G	0.67	0.01	H	10.0287	0.0026	0.024	83		9.99	10.06		C			1							
75868	11.402	0.069	10.207	0.037		1.023	0.061	T	1.00	0.05	L	10.3440	0.0032	0.031	121		10.28	10.39		C			1							
75869	10.110	0.023	9.643	0.022		0.440	0.029	T	0.51	0.03	L	9.6820	0.0024	0.034	197		9.61	9.75					1 S							
75870	7.379	0.007	6.979	0.007		0.378	0.009	T	0.44	0.01	L	7.0188	0.0009	0.008	119		7.01	7.03		C			1 G							S
75871	8.574	0.009	7.331	0.006		1.061	0.008	T	1.03	0.01	L	7.3753	0.0015	0.013	121		7.36	7.39					1							S
75872	9.541	0.015	9.189	0.016		0.334	0.020	T	0.39	0.03	L	9.2397	0.0026	0.023	169		9.20	9.29					1							
75873	7.229	0.004	7.351	0.005		−0.095	0.007	G	−0.08	0.01	H	7.3370	0.0011	0.013	243		7.31	7.36		D	15298−6729	I 2	1							S
75874	8.143	0.009	7.051	0.005		0.944	0.008	T	0.93	0.01	L	7.1038	0.0008	0.008	122		7.09	7.12		C			1							S
75875	7.827	0.008	7.624	0.008		0.194	0.011	T	0.21	0.01	L	7.6477	0.0012	0.011	105		7.63	7.66					1							S
75876	9.216	0.018	8.805	0.019		0.402	0.022	T	0.47	0.02	L	8.9151	0.0018	0.015	75		8.88	8.95		C			1							
75877	11.155	0.068	10.647	0.074		0.477	0.091	T	0.55	0.10	L	10.6418	0.0047	0.038	88		10.56	10.71					1							G
75878	10.736	0.047	8.671	0.015		1.748	0.041	T	2.45	0.07	O	8.4776	0.0054	0.043	85		8.40	8.54		U 2			1							
75879	9.927	0.028	8.668	0.017		1.073	0.026	T	1.04	0.02	L	8.7148	0.0013	0.013	95		8.69	8.73					1							
75880	9.527	0.015	9.041	0.015		0.457	0.019	T	0.53	0.02	L	9.1060	0.0023	0.024	144		9.06	9.14					1 G							S
75881	9.136	0.012	8.441	0.010		0.641	0.013	T	0.71	0.01	L	8.4940	0.0012	0.016	180		8.46	8.52					1							S
75882	9.865	0.023	9.209	0.020	*	0.609	0.025	T	0.68	0.02	L *	9.2641	0.0015	0.013	127	*	9.24	9.28			15300−1003	H 1	2 C S A	AB	165	0.135	0.018	1.16	0.49	
75883	9.433	0.030	7.696	0.011	*	1.449	0.025	T	1.45	0.04	L *	7.7533	0.0012	0.013	125	*	7.73	7.78		D	15300+2531	I 1	2 C A	AB	92	3.301	0.004	1.38	0.02	S
75884	6.664	0.004	6.694	0.005		−0.023	0.006	T	0.00	0.01	L	6.6993	0.0010	0.007	83		6.69	6.71		C			1							S
75885	9.119	0.014	7.901	0.009		1.041	0.013	T	1.01	0.01	L	7.9502	0.0011	0.011	105		7.94	7.97		C			1							S
75886	10.595	0.036	8.769	0.014		1.519	0.031	T	1.55	0.05	L	8.5259	0.0073	0.065	100		8.40	8.60		U 2			1 S							
75887	9.869	0.027	8.174	0.013		1.416	0.024	T	1.40	0.04	L	8.1596	0.0017	0.014	71		8.14	8.18		C			1							
75888	10.378	0.032	8.680	0.014		1.418	0.028	T	1.40	0.04	L	8.6636	0.0016	0.016	119		8.64	8.70		C			1							
75889	10.926	0.080	10.081	0.059	A	0.736	0.126	G	0.78	0.09	R *	9.8292	0.0037	0.031	99	*	9.78	9.88		D	15300−4507	I 1	2 C A	AB	74	2.717	0.012	1.17	0.04	G
75890	10.344	0.038	8.786	0.018		1.308	0.033	T	1.27	0.03	L	8.8016	0.0022	0.014	80		8.78	8.82		C	15301−5107	I 1	1							
75891	9.093	0.014	8.644	0.014		0.437	0.016	T	0.51	0.02	L	8.7216	0.0016	0.013	88		8.70	8.75		C			1							
75892	8.830	0.012	7.405	0.007		1.203	0.011	T	1.16	0.01	L	7.4187	0.0009	0.010	115		7.40	7.44					1							S
75893											T	11.5288	0.0049	0.045	103		11.45	11.61					1							G
75894	8.255	0.008	7.693	0.008		0.554	0.015	G	0.63	0.01	H	7.7524	0.0012	0.012	149		7.73	7.78		C			1							S
75895	8.960	0.010	8.475	0.010		0.456	0.013	T	0.53	0.01	L	8.5452	0.0016	0.019	174		8.52	8.58					1							S
75896	8.283	0.008	7.962	0.010		0.305	0.012	T	0.35	0.02	L	8.0033	0.0014	0.014	138		7.98	8.03		C			1							S
75897	9.588	0.015	9.523	0.020		0.065	0.023	T	0.07	0.03	L	9.5198	0.0020	0.025	166		9.48	9.57		C			1							G
75898	9.479	0.019	8.168	0.011		1.114	0.017	T	1.08	0.02	L	8.1978	0.0017	0.015	93		8.17	8.23					1							S
75899	9.303	0.014	7.767	0.008		1.290	0.013	T	1.25	0.01	L	7.7844	0.0014	0.013	124		7.76	7.81		C			1							S
75900	7.634	0.007	7.608	0.008		0.029	0.010	T	0.05	0.01	L	7.6283	0.0009	0.011	108		7.60	7.65					1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)																						Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	$\alpha*$	$\alpha*$	δ	δ	π	$\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr		$\alpha*$	δ	δ	$\alpha*$	δ	π	$\alpha*$	δ	π	$\mu_{\alpha*}$	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	%	
1 2	3	4	5 6 7		8	9 10		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28												29	30
75901	15 30 11.52	−59 45 12.1	9.64	H																																	
75902	15 30 11.60	−60 29 27.1	8.33	G	232.548 336 80	−60.490 860 49		5.14	−13.51	−9.56	0.77	0.70	1.05	1.02	0.96	+31	−15	−25	+17	+37	+	2	+34	+	3	+27	+35										3	2.00
75903	15 30 12.65	−70 23 39.2	8.46	H	232.552 708 55	−70.394 218 04		1.42	−0.20	−4.34	0.61	0.76	1.05	0.66	0.96	+22	−11	−	2	+	7	−	4	−20	−	3	+21	−30	+27										2	−0.15
75904	15 30 13.73	+33 20 11.7	9.03	1 H	232.557 201 05	+33.336 587 40		1.31	−23.58	15.58	0.64	0.77	1.09	0.70	0.86	+16	+	1	+	4	−	9	+	2	−	4	+	4	+	4	+	0	+	4					0	1.23
75905	15 30 13.80	−15 41 22.1	8.35	H	232.557 515 11	−15.689 484 90		0.25	−3.96	−2.12	1.13	0.58	1.20	1.44	1.08	−	7	−24	−	8	+27	+	6	+18	+15	+11	−12	−13										0	−0.95
75906	15 30 15.03	−08 03 14.4	8.82	H	232.562 609 80	−08.053 992 46		6.85	−12.27	−7.79	1.11	0.58	1.31	1.27	1.01	−15	−32	−10	+	8	−11	+22	−	9	+	8	−	5	−27										0	0.04
75907	15 30 16.48	−24 14 17.6	9.48	H	232.568 681 79	−24.238 209 57		−1.54	−7.48	−3.84	8.13	4.24	8.93	10.14	7.53	−15	−33	−10	+	1	−	2	+17	−	1	+	9	+	2	−	5									0	
75908	15 30 17.42	+39 41 44.2	8.63	H	232.572 582 85	+39.695 622 18		6.09	−70.67	20.28	0.72	0.70	0.93	0.80	0.85	+14	−17	−15	−20	−10	+	8	−	7	+	3	+	6	−	1									0	−1.20
75909	15 30 18.77	+10 21 58.5	10.87	H	232.578 189 42	+10.366 242 06		6.16	−35.15	−6.52	2.07	1.58	2.46	2.28	1.77	−24	−47	−	1	+	4	+	9	−10	+	8	−36	−	8	−37									4	0.11
75910	15 30 19.36	+12 05 05.2	9.58	H	232.580 681 65	+12.084 788 25		8.50	57.60	−27.86	1.56	0.82	1.52	1.89	1.05	+	5	−	7	−14	+46	−14	+34	−14	−	3	−27	−15										2	2.54
75911	15 30 19.39	+25 20 48.5	8.94	H	232.580 796 90	+25.346 810 84		9.36	27.17	−0.95	0.88	0.99	1.45	0.94	1.30	−37	−43	+18	+45	−	5	−35	−13	−	8	+	8	−57										2	1.42
75912 H	15 30 19.50	−09 33 03.9	9.52	H	232.581 244 06	−09.551 086 04	A	7.51	−31.81	−4.32	2.26	1.18	2.49	2.68	1.97	−41	−29	+	2	+26	−16	+10	−26	+16	+15	−41										1	−1.42
75913	15 30 20.35	+27 39 29.7	7.89	H	232.584 798 82	+27.658 258 32	A	2.46	2.31	5.25	1.48	1.56	2.04	1.64	1.83	−	3	−	9	−	3	+29	−17	−25	−23	+21	−	3	−24									2	0.65
75914	15 30 21.16	−61 59 59.3	10.57	G	232.588 153 25	−61.999 818 95		11.48	−168.17	−159.41	1.37	1.39	2.05	1.59	1.96	+13	−10	+	5	+55	+37	−10	+44	+20	−19	+16										0	1.47
75915 H	15 30 21.31	−41 55 08.3	6.23	G	232.588 777 53	−41.918 963 89	A	6.48	−21.41	−26.18	0.78	0.67	0.86	0.85	0.82	−22	+	6	+	0	+19	+11	−	3	+14	+24	+	6	−	9								2	0.01
75916	15 30 21.64	−20 36 47.9	9.77	H	232.590 184 56	−20.613 300 40		7.28	−18.62	−26.03	1.96	0.86	2.08	2.74	1.82	−21	−11	+	4	−36	+	1	−35	−	9	−	8	+11	−	8								0	−0.37
75917	15 30 22.07	+33 14 12.9	8.27	H	232.591 973 84	+33.236 910 97		2.88	15.16	−19.17	0.56	0.67	0.92	0.60	0.72	+15	−	2	−12	−	5	+	9	−10	+11	+14	+	3	−	1								1	0.63
75918	15 30 22.21	+55 11 52.7	9.24	G	232.592 523 83	+55.197 978 96		5.84	40.08	−54.49	0.73	0.77	0.85	0.84	0.93	+	5	−	4	−	9	−	9	+	5	+	6	+	5	−10	−	5	−14					4	0.52
75919	15 30 22.78	+31 17 09.5	6.45	H	232.594 914 96	+31.285 975 97		7.09	−17.99	−18.25	0.39	0.47	0.67	0.44	0.57	+36	−10	−16	−16	−	3	−	2	−	5	−	1	+	8	+35								0	2.63
75920	15 30 23.81	+12 00 00.0	7.16	H	232.599 201 12	+12.000 002 77		3.51	−13.55	2.76	0.89	0.53	0.89	1.04	0.68	+	4	−24	−12	+39	−10	+19	−	3	+	3	−20	−	3								2	1.94
75921	15 30 24.01	+34 16 02.4	8.74	H	232.600 024 43	+34.267 343 93		3.13	−5.06	−27.47	0.66	0.79	1.06	0.76	0.88	+	7	−	1	−	2	+12	+	6	−	9	+	6	+16	+	1	−	3					0	3.03
75922	15 30 25.07	−37 23 13.4	9.00	H	232.604 474 50	−37.387 058 99		11.77	56.26	24.22	0.99	0.80	1.49	1.29	1.23	−36	−13	−	6	+13	+	0	+	2	+	2	+27	−42	−	8								0	−1.67
75923	15 30 25.22	−01 19 07.5	9.16	H	232.605 082 60	−01.318 737 97		15.22	−70.71	−28.55	1.16	0.84	1.38	1.32	1.34	−31	−42	+	5	+18	−16	−15	−20	+19	+14	−43										0	0.73
75924 H	15 30 26.26	−32 18 12.6	8.80	2 H	232.609 400 56	−32.303 509 95	A	10.91	−28.30	−31.72	3.45	2.09	3.21	2.82	2.77	+	5	−29	−26	−	6	−	5	−23	−13	+	4	+11	−25								1	0.94
75925	15 30 26.86	−39 48 32.7	8.88	H	232.611 921 16	−39.809 080 46		1.30	−2.62	3.89	0.90	0.72	1.18	1.11	0.97	−21	−10	−24	−	2	+	1	−	9	−	2	+22	−13	−11								0	−0.65
75926	15 30 27.20	+05 15 46.7	8.12	H	232.613 328 41	+05.262 961 15		1.02	2.11	1.87	1.01	0.73	1.24	1.03	0.91	+	4	−47	−32	+20	+13	+	2	+12	−10	−	2	−26								0	−0.46
75927	15 30 27.55	−25 18 00.1	8.84	H	232.614 807 05	−25.300 027 04		3.42	7.04	−35.42	1.33	0.73	1.39	1.71	1.26	−21	−40	+	7	−25	−17	+23	−33	+21	−	6	+17										0	0.37
75928	15 30 27.86	+36 48 16.1	6.52	H	232.616 082 44	+36.804 468 73		9.91	−69.50	35.33	0.43	0.45	0.61	0.49	0.52	+10	−	7	−11	+	8	+	1	−	2	+	3	+15	−21	−	9								0	0.59
75929	15 30 29.21	−30 01 23.4	10.12	G	232.621 697 21	−30.023 178 59		2.90	5.07	1.81	1.41	0.89	1.68	1.56	1.53	−23	−	4	−24	−	9	+	2	−24	−	5	+	3	+23	−	3								0	−0.11
75930	15 30 29.92	+53 58 17.1	8.81	H	232.624 657 87	+53.971 411 98		8.44	−16.24	88.14	0.72	0.76	0.83	0.82	0.87	+	5	−	1	−	2	−	6	+	5	−14	+	3	−20	+	6	−	6					0	0.88
75931	15 30 32.14	−13 41 03.8	9.32	G	232.633 918 68	−13.684 392 91		3.42	6.47	−20.48	1.20	0.58	1.34	1.26	1.08	−15	−45	+	0	+	8	−	6	+	7	+	2	+11	−16	−27								2	1.71
75932	15 30 32.21	+53 48 52.5	9.48	H	232.634 217 75	+53.814 593 78		4.92	−1.78	3.40	0.86	0.84	0.96	0.91	0.97	+	0	−	8	+	4	−12	+	8	−	9	+	8	−10	+	7	−	4					0	−1.72
75933	15 30 34.05	−38 29 46.2	8.91	G	232.641 881 12	−38.496 164 97		5.16	−21.64	−20.50	0.92	0.73	1.20	1.04	1.06	−28	−28	−17	+19	−	7	−	4	−	2	+35	−10	−35										0	0.07
75934	15 30 34.48	−24 17 58.1	10.16	H	232.643 684 75	−24.299 459 27		8.45	4.93	−21.02	1.93	0.95	1.96	2.21	1.64	−	4	−29	−	5	+19	−	2	+14	−	5	+22	+13	+	0								0	0.60
75935	15 30 35.14	−12 44 25.8	8.73	H	232.646 433 58	−12.740 497 02		5.45	−4.13	−14.55	1.12	0.56	1.31	1.11	0.98	−24	−53	+	5	+	2	−	2	+21	+	6	+	7	−15	−40								0	0.14
75936	15 30 35.25	+04 33 52.3	9.56	H	232.646 867 52	+04.564 531 50		2.34	7.65	−14.38	1.30	0.88	1.48	1.71	1.26	+	6	−16	−15	+29	+10	+14	+15	−	1	−	2	+	7									0	1.23
75937 H	15 30 35.70	−80 09 25.0	9.92	H	232.648 750 49	−80.156 954 87	A	10.95	19.95	−45.99	1.69	1.93	2.00	1.86	2.20	+17	+	4	+	3	−	9	+	6	−11	−	1	+19	−11	+35								0	−0.05
75938	15 30 36.00	−00 50 59.0	9.67	H	232.650 018 90	−00.849 714 03		3.03	−41.42	−3.63	1.22	0.80	1.33	1.41	1.15	−	8	−29	+	1	+32	+	3	+	8	+	6	+	9	−	6	−	8					0	1.02
75939	15 30 36.25	−20 43 42.5	6.20	H	232.651 031 51	−20.728 482 21		13.93	8.50	−29.15	1.06	0.47	1.02	1.72	0.97	−15	−	4	−10	−52	−	1	−24	−26	−	8	+16	+17										0	1.55
75940	15 30 37.93	+33 58 03.6	9.80	H	232.658 034 56	+33.967 669 07		1.69	−4.39	−0.39	0.87	0.97	1.40	1.01	1.13	+15	−	8	+10	+	4	+	6	−	7	+	7	+	8	+	0	+	6					0	0.48
75941	15 30 38.26	−33 34 50.9	7.51	H	232.659 417 21	−33.580 794 70		6.56	−5.57	−24.55	0.82	0.61	0.94	0.95	0.83	−24	−22	−14	+23	−11	+24	−	5	+30	−	2	−27										0	0.20
75942	15 30 39.24	+35 47 04.4	11.10	3 H	232.663 508 34	+35.784 558 46		0.47	−15.87	−12.54	1.16	1.31	1.75	1.32	1.47	+18	−	9	−	3	−11	+	0	+	0	+	3	+	5	−	6	+	6					1	1.52
75943	15 30 39.92	+03 04 00.3	10.80	H	232.666 326 47	+03.066 751 89		4.67	−20.45	5.04	1.70	1.23	2.01	1.87	1.68	−	5	−36	−21	+11	−	7	−	3	−13	+	5	+11	−19									0	0.60
75944	15 30 40.39	−16 36 34.0	5.82	G	232.668 281 46	−16.609 458 06		5.78	23.95	−2.61	0.80	0.40	0.83	0.97	0.62	+	3	−25	+	3	+30	+12	+33	+17	+16	−	5	+	9									0	−0.57
75945	15 30 41.83	−52 46 16.5	8.35	H	232.674 297 68	−52.771 236 56		4.60	−35.89	−23.87	0.96	0.85	1.20	1.24	1.10	+	4	−14	−25	+17	−10	+	9	−	7	+37	−11	+	2									0	−2.16
75946	15 30 42.00	+08 23 41.5	11.44	G	232.674 984 81	+08.394 865 08		−0.32	−394.86	−110.67	5.04	3.18	5.12	6.96	4.79	−26	+	0	−11	+46	−18	+12	−28	+	3	−	1	−48										0	
75947	15 30 42.15	+35 10 07.8	9.01	H	232.675 639 92	+35.168 827 99		3.90	−16.00	−1.63	0.66	0.82	1.06	0.69	0.84	+	0	−	3	−	8	+	3	−	5	+	6	+15	+	9	−16							0	1.13
75948	15 30 42.84	−21 52 43.0	7.79	H	232.678 498 35	−21.878 604 02		13.06	−54.77	18.21	1.06	0.57	1.16	1.77	1.19	−30	+17	−16	−33	+	6	−34	−	7	−	1	+	1	−	9									0	0.36
75949 H	15 30 44.95	+38 09 48.7	8.57	H	232.687 279 65	+38.163 537 76	*	3.27	5.69	−33.03	0.76	0.78	0.96	0.91	0.91	+11	+	3	−	5	+39	+12	+	9	+12	+22	+	5	+	9								1	0.30
75950	15 30 45.21	−41 39 09.5	8.02	G	232.688 377 73	−41.652 650 55		9.21	16.39	39.52	0.76	0.71	0.93	0.91	1.00	−35	−19	−14	+24	−16	+	5	−10	+41	−	8	−46										0	−1.00
75951	15 30 45.37	−22 11 25.1	8.70	H	232.689 051 72	−22.190 306 94		3.36	26.12	−7.78	1.14	0.58	1.26	1.49	1.20	−20	−	9	−15	−17	+	2	−18	−	5	−	2	+19	−23									0	0.56
75952	15 30 45.57	−45 42 57.3	8.42	H	232.689 860 18	−45.715 916 29		5.24	−11.35	−10.22	0.79	0.65	1.02	0.83	0.86	−13	−23	−	6	+	2	−	2	−21	−	1	+12	−	8	−21								0	0.34
75953	15 30 46.09	+34 27 56.5	6.81	H	232.692 029 71	+34.465 682 32		9.14	−24.98	−10.58	0.40	0.47	0.63	0.43	0.50	+	9	−	5	−	1	−	1	+10	−12	+13	+13	+	3	−	7							0	1.31
75954	15 30 46.64	−67 38 22.4	8.77	H	232.694 324 65	−67.639 542 61		3.28	−15.49	−11.84	0.49	0.70	1.05	0.59	0.87	+38	−	9	+	5	+	0	+	5	−	5	+	4	+	8	+	0	+52					0	0.72
75955 H	15 30 47.41	−52 46 13.6	8.49	G	232.697 560 97	−52.770 451 29	*	1.44	−4.57	−1.91	2.84	1.50	1.56	1.66	1.50	+	0	−13	−18	+	8	−12	+	0	−12	+31	−13	+10									1	0.06
75956	15 30 48.18	−53 22 27.3	6.78	H	232.700 752 10	−53.374 256 63		5.14	−22.75	−20.33	0.71	0.60	0.84	0.79	0.75	+	5	−25	−26	+34	+	4	+	8	+11	+45	−15	+	0									0	−0.90
75957	15 30 48.44	−45 25 27.7	7.45	H	232.701 822 14	−45.424 364 07		5.06	−14.33	−19.25	0.73	0.56	0.91	0.67	0.69	−15	−37	−11	−	2	−	3	−18	+	1	+16	−10	−29										2	1.63
75958	15 30 48.73	+17 26 23.7	8.99	G	232.703 060 64	+17.439 929 05		3.07	12.16	5.49	1.05	0.85	1.29	1.22	1.16	−14	−	6	−11	−49	+	4	−15	+	1	−37	+38	−36										0	0.60
75959	15 30 49.19	−71 39 14.7	6.39	G	232.704 973 36	−71.654 083 47		3.10	−7.00	−21.76	0.38	0.46	0.59	0.41	0.57	+10	−26	+	2	+	8	+	2	−13	+	5	+27	−11	+11									0	−0.74
75960	15 30 49.66	−05 48 20.3	9.72	G	232.706 897 68	−05.805 628 42		3.61	−13.99	18.17	1.64	0.82	1.82	2.54	1.60	−19	−43	+14	−17	−24	−	5	−36	+	9	+	4	+26										0	0.41
75961	15 30 49.83	−65 35 57.5	7.81	2 H	232.707 622 53	−65.599 310 21		−0.41	−3.93	−7.72	0.55	0.64	0.92	0.56	0.71	+19	−27	−	9	+26	+	0	−16	−	2	+35	+	0	+18									0	−0.75
75962 H	15 30 50.16	−07 45 36.1	9.73	H	232.708 998 14	−07.760 037 70	A	15.61	−51.33	−62.78	2.98	1.84	2.82	3.08	2.56	−20	−17	−	6	+	7	−21	+	5	−19	+	7	+	2	−37							1	0.14
*75963 H	15 30 50.29	+72 56 11.2	7.91	H	232.709 556 61	+72.936 432 61	A	3.98	24.44	−23.91	0.91	0.93	0.92	0.82	0.96	+	8	−26	−	9	−11	−13	+	5	−	7	−	6	−17	−	2							0	−0.54
*75964	15 30 50.19	+07 18 14.1	11.61	2 G	232.709 138 53	+07.303 916 53		18.23	−488.90	−106.25	3.31	1.93	3.70	5.08	3.39	+	3	−34	−	6	−10	+	4	−	4	−	3	−19	+16	−10							0	1.61
75965	15 30 50.46	+17 36 47.6	8.66	H	232.710 243 19	+17.613 213 80		8.84	13.90	−8.20	0.86	0.86	1.23	0.97	1.20	−30	−16	−	6	−34	+	9	−	1	−	1	−35	+31	−46									0	−1.83
75966	15 30 51.27	+51 00 19.6	9.56	H	232.713 616 14	+51.005 455 54		1.69	20.79	−20.01	0.99	0.88	1.07	1.17	0.97	+	7	−18	+	7	+18	+	0	+	0	+	0	+	8	+	6	+14					0	−0.38
75967	15 30 51.92	−43 51 55.2	7.50	H	232.716 327 48	−43.865 339 29		7.11	−178.10	37.25	0.78	0.59	0.89	1.00	0.78	−	3	−14	−	6	+25	+13	−	2	+14	+25	−	3	+11									0	−0.65
75968	15 30 52.20	−73 47 12.4	9.32	H	232.717 505 87	−73.786 767 70		0.38	2.52	−1.00	0.76	0.91	1.17	0.91	1.10	+12	+	4	+12	−16	+	4	−	7	+	1	+18	+	5	+28								0	−0.16
75969	15 30 54.07	+03 45 26.2	9.39	H	232.725 302 26	+03.757 272 32		9.92	41.72	−61.76	1.43	0.89	1.39	1.76	1.20	−	1	−	7	−	4	+44	+	3	+19	+	5	+11	−	5	−	2					0	0.67
75970	15 30 54.79	−61 40 56.9	8.20	G	232.728 288 48	−61.682 476 55		3.99	0.89	−21.02	0.72	0.78	1.23	0.94	1.10	+19	−26	−39	+57	+41	−43	+33	+27	−12	+	2										0	0.37
75971	15 30 55.42	+08 34 44.8	6.57	H	232.730 896 59	+08.579 100 08		19.73	30.55	−3.33	0.91	0.56	0.92	1.16	0.89	−19	−25	−13	+45	−17	−13	−32	+11	+18	−48										0	1.09
75972	15 30 55.66	+42 54 40.2	7.97	H	232.731 897 25	+42.911 170 13		5.85	7.08	−21.96	0.65	0.61	0.79	0.87	0.79	+10	−11	−16	+	2	+	1	+	2	+	3	+16	−17	+	5								0	−1.18
75973	15 30 55.75	+40 49 59.0	5.04	1 H	232.732 295 11	+40.833 068 15		3.74	11.02	−8.81	0.42	0.43	0.54	0.52	0.51	+	4	+17	−	3	−	7	+	0	−10	+	0	+	5	−10								0	−1.50
75974	15 30 55.91	+64 12 30.6	5.74	H	232.732 977 39	+64.208 505 17		10.24	−111.90	77.48	0.45	0.47	0.51	0.46	0.52	+	6	−	4	−14	−14	+	5	−20	+	3	+	5	−	6	+	3					4	−0.15
75975	15 30 55.93	−37 22 59.4	9.55	H	232.733 029 11	−37.383 154 66		4.73	−48.88	−3.83	1.19	0.89	1.66	1.53	1.43	−31	−13	+	2	+	6	+	2	−	9	+	5	+15	−40	−	5							0	−0.13
75976	15 30 57.35	+03 45 19.4	9.44	H	232.738 951 54	+03.755 378 92		3.29	12.50	−30.45	1.55	0.96	1.52	1.94	1.30	+	0	−	5	−	4	+45	+	2	+21	+	4	+13	−	7	+	0							0	1.23
75977	15 30 58.05	−43 26 05.6	9.42	H	232.741 886 78	−43.434 882 30		4.17	7.06	−12.41	1.02	0.85	1.34	1.14	1.08	−27	−10	−	5	−	1	+11	−17	+11	+	9	−	6	−16										0	−0.08
75978	15 30 58.82	+17 24 52.8	10.81	2 H	232.745 071 95	+17.414 677 20		23.03	−264.14	7.75	2.13	2.08	2.71	2.73	2.76	−37	−	4	−10	−27	+10	−22	+	8	−17	+26	−52										0	2.04
75979	15 30 58.83	−39 21 33.8	9.05	G	232.745 128 14	−39.359 395 83		3.57	−3.43	−5.09	0.97	0.79	1.25	1.26	1.02	−20	−	8	−23	+11	+	9	−	3	+	7	+23	+	1	−	7							0	0.91
75980	15 30 58.89	−47 55 13.1	6.84	H	232.745 359 51	−47.920 296 59		4.71	−7.04	−17.17	0.66	0.65	0.89	0.70	0.82	−21	−24	−38	+	6	−10	−	1	−	4	+27	−	9	−50									0	0.56
75981	15 31 01.11	+14 31 30.9	9.72	H	232.754 611 71	+14.525 253 86		8.09	−26.99	26.86	1.14	1.00	1.56	1.28	1.46	−12	−17	+	8	−17	−	9	+	4	−16	−13	+19	−40									0	−0.77
75982	15 31 01.99	+01 41 01.8	9.98	3 T	232.758 283 11	+01.683 846 13		−0.96	−103.20	−10.12	1.54	1.02	1.68	1.92	1.40	−	6	−15	−19	+47	+	0	+10	+	4	+10	+10	−	1									4	−0.95
75983	15 31 02.33	+66 40 16.4	8.27	H	232.759 708 91	+66.671 228 61		9.30	28.04	11.88	0.59	0.61	0.68	0.65	0.69	+	8	+	1	−13	−18	+	5	−31	+	0	+15	−23	+15									2	−0.94
75984	15 31 02.41	+47 20 01.8	8.34	H	232.760 026 04	+47.333 833 03		5.88	−2.38	8.61	0.67	0.61	0.74	0.73	0.67	+12	+	8	+10	−22	−	5	−14	−	1	+13	+	5	+	3									0	1.05
75985	15 31 02.96	−18 50 11.4	7.65	H	232.762 350 56	−18.836 508 13		5.82	−5.57	−23.73	0.88	0.47	0.93	0.99	0.71	−11	−25	−	7	+	6	−	9	+	6	−11	+15	−	5	+	5							0	−0.25
75986	15 31 03.63	−35 38 22.9	7.95	H	232.765 112 40	−35.639 702 80		7.60	−33.01	−32.32	0.89	0.78	1.07	1.18	1.07	−28	−	5	−21	+16	−21	+16	−21	+38	−15	−13											0	0.91
75987	15 31 04.22	−06 23 05.9	9.28	H	232.767 564 17	−06.384 972 19		−0.09	3.65	4.54	1.42	0.93	1.55	1.79	1.45	−30	−35	+10	+32	−18	−21	−19	+24	+	9	−25											0	0.44
75988	15 31 05.21	+24 27 05.0	10.10	H	232.771 692 52	+24.451 395 76		−0.14	5.67	−6.40	1.17	1.31	1.96	1.43	1.61	−21	−20	+17	+15	−	6	−23	−	7	−	4	+22	−29									2	1.68
75989	15 31 07.21	−04 21 45.4	8.87	H	232.780 030 95	−04.362 597 55		3.55	2.89	10.47	1.07	0.70	1.14	1.22	1.00	−	7	−33	−13	+34	−	9	+	2	−	9	+24	+	0	−13							0	−0.88
75990	15 31 07.84	−59 16 24.4	8.74	H	232.782 667 01	−59.273 434 44		4.40	−19.73	−22.80	0.90	0.81	1.23	0.93	1.05	−	5	−36	−	8	+12	+	6	+30

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
75901						0.757	0.096	G	0.80	0.07	R	9.7832	0.0031	0.028	100		9.73	9.83		C			S							G G
75902	8.454	0.009	8.321	0.011		0.106	0.015	G	0.12	0.02	H	8.3676	0.0013	0.012	124		8.35	8.39		C			1							
75903	10.120	0.021	8.591	0.011		1.285	0.019	T	1.24	0.02	L	8.6205	0.0016	0.023	170		8.58	8.67					1 S							
75904	10.909	0.041	9.156	0.015		1.461	0.035	T	1.47	0.06	L	9.1628	0.0021	0.022	183		9.13	9.20		U			1							
75905	10.599	0.047	8.514	0.015		1.725	0.039	T	1.75	0.04	L	8.4482	0.0019	0.018	95		8.43	8.48					1							
75906	9.250	0.016	8.869	0.016		0.361	0.021	T	0.42	0.02	L	8.9027	0.0018	0.015	114		8.87	8.93		C	15303−0803	I 1	1							
75907	10.810	0.065	9.631	0.034		1.011	0.057	T	0.99	0.05	L	9.6509	0.0027	0.018	80		9.62	9.69		C			1 X							G
75908	9.180	0.012	8.681	0.012		0.469	0.015	T	0.54	0.02	L	8.7368	0.0020	0.020	137		8.71	8.77					1							S
75909	11.380	0.111	10.989	0.127		0.560	0.072	G	0.63	0.07	R	10.9881	0.0064	0.038	67		10.91	11.05					1							G
75910	10.185	0.039	9.631	0.037		0.519	0.048	T	0.59	0.05	L	9.6919	0.0029	0.020	63		9.64	9.72					1							
75911	9.498	0.015	8.962	0.015		0.503	0.019	T	0.58	0.02	L	9.0532	0.0019	0.022	117		9.02	9.09					1							
75912	10.366	0.030	9.695	0.027	A	0.700	0.495	G	0.74	0.07	B *	9.6577	0.0022	0.018	121	*	9.62	9.69		D	15303−0933	I 1	2 C A	AB	184	2.142	0.016	2.60	0.08	
75913	8.029	0.006	7.895	0.008	A	0.129	0.009	T	0.14	0.01	L	7.9435	0.0119	0.020	139	A	7.91	7.98			15303+2740	I 1	2 C B	AB	296	16.247	0.065	3.07	0.19	S
75914	11.788	0.124	10.650	0.067		1.015	0.005	G	1.06	0.01	I	10.7017	0.0034	0.038	134		10.64	10.76		C			1							G
75915	6.193	0.004	6.170	0.005	*	−0.005	0.002	G	0.02	0.00	H *	6.2367	0.0008	0.006	108	*	6.23	6.25		D	15304−4155	I 1	2 C A	AB	229	5.653	0.005	2.26	0.02	S
75916	10.664	0.055	10.001	0.049		0.615	0.062	T	0.68	0.06	L	9.9121	0.0032	0.022	82		9.86	9.95		C			1							
75917	9.777	0.016	8.377	0.009		1.183	0.014	T	1.14	0.01	L	8.4314	0.0015	0.018	184		8.41	8.47					1							S
75918	9.836	0.023	9.350	0.023		0.523	0.015	G	0.60	0.02	H	9.3706	0.0016	0.015	100		9.34	9.40					1							
75919	6.697	0.003	6.482	0.003		0.205	0.004	G	0.24	0.03	C	6.5148	0.0006	0.008	200		6.50	6.53					1							S
75920	8.724	0.014	7.290	0.008		1.210	0.013	T	1.17	0.01	L	7.3199	0.0017	0.011	65		7.31	7.34					1							S
75921	10.310	0.025	8.855	0.013		1.227	0.022	T	1.19	0.02	L	8.9038	0.0021	0.022	164		8.86	8.95		C			1							
75922	9.691	0.024	9.021	0.021		0.610	0.024	T	0.68	0.02	L	9.1339	0.0018	0.017	92		9.10	9.17		C			1							
75923	9.954	0.028	9.234	0.024		0.648	0.028	T	0.71	0.03	L	9.2922	0.0024	0.020	76		9.26	9.34		C			1							
75924	9.251	0.034	8.523	0.025	*	0.654	0.032	T	0.72	0.03	L *	8.9290	0.0056	0.040	79	*	8.87	8.98		U 2	15304−3218	I 1	2 C A	AB	26	1.532	0.006	0.18	0.04	
75925	10.643	0.039	9.036	0.017		1.346	0.034	T	1.31	0.04	L	9.0350	0.0018	0.016	101		9.01	9.06		C			1							
75926	10.277	0.033	8.299	0.012		1.640	0.028	T	1.66	0.03	L	8.2324	0.0029	0.020	82		8.20	8.26					1							
75927	10.226	0.035	8.978	0.020		1.064	0.031	T	1.03	0.03	L	9.0079	0.0016	0.017	74		8.98	9.04		C			1							
75928	8.012	0.007	6.655	0.004		1.150	0.006	T	1.11	0.01	L	6.6849	0.0009	0.009	155		6.67	6.70					1							S
75929	10.741	0.053	10.037	0.044		0.560	0.020	G	0.63	0.02	H	10.2363	0.0030	0.023	82		10.20	10.28		C			1							G
75930	9.425	0.014	8.853	0.013		0.510	0.015	G	0.58	0.02	H	8.9202	0.0015	0.018	114		8.89	8.95					1							
75931	9.930	0.029	9.382	0.028		0.514	0.020	G	0.59	0.02	H	9.4077	0.0020	0.016	98		9.39	9.44		C			1 S							
75932	9.881	0.021	9.482	0.022		0.377	0.028	T	0.44	0.03	L	9.5747	0.0024	0.020	112		9.54	9.61		C			1							
75933	9.443	0.017	8.945	0.017		0.481	0.015	G	0.55	0.02	H	9.0119	0.0016	0.017	110		8.99	9.05		C			1							
75934	11.224	0.084	10.229	0.055		0.859	0.078	T	0.87	0.06	L	10.3074	0.0024	0.020	81		10.27	10.35		D			1							G
75935	9.131	0.014	8.771	0.014		0.350	0.017	T	0.41	0.02	L	8.8121	0.0019	0.016	106		8.79	8.84					1							S
75936	10.326	0.042	9.660	0.036		0.617	0.046	T	0.69	0.04	L	9.6908	0.0031	0.024	70		9.65	9.72		C			1							
75937	10.884	0.037	10.183	0.031	A						T *	10.0469	0.0031	0.033	148	*	10.00	10.10		D	15306−8009	I 1	2 C A	AB	16	2.325	0.012	1.47	0.06	G
75938	11.275	0.070	9.791	0.031		1.249	0.060	T	1.21	0.06	L	9.8344	0.0021	0.020	86		9.79	9.87		C			1							
75939	6.432	0.004	6.224	0.005		0.192	0.006	T	0.21	0.01	L	6.2608	0.0007	0.005	82		6.25	6.27					1							S
75940	11.104	0.040	9.875	0.022		1.050	0.036	T	1.02	0.03	L	9.9626	0.0027	0.031	177		9.89	10.01					1							
75941	8.790	0.012	7.630	0.008		0.996	0.011	T	0.97	0.01	L	7.6758	0.0016	0.016	91		7.65	7.70					1							S
75942	11.136	0.056	10.714	0.058		0.399	0.074	T	0.46	0.08	L	11.2043	0.0478	0.335	133		10.49	11.57	0.62	P 1 A			1							G
75943	11.824	0.133	10.828	0.089		0.867	0.132	T	2.03	0.23	K	10.8802	0.0050	0.041	92		10.79	10.94		C			1							G
75944	7.166	0.005	5.924	0.004		1.056	0.005	G	1.02	0.00	H	5.9762	0.0008	0.007	99		5.97	5.99					1							S
75945	9.318	0.019	8.415	0.014		0.802	0.018	T	0.83	0.01	L	8.5015	0.0017	0.013	74		8.47	8.52		D	15307−5246	I 2	1							
75946						0.580	0.022	G	0.65	0.02	H	11.5796	0.0099	0.052	62		11.48	11.65					1 X							G
75947	9.554	0.015	9.043	0.014		0.480	0.019	T	0.55	0.02	L	9.1149	0.0022	0.025	167		9.07	9.15					1							
75948	8.554	0.013	7.861	0.012		0.637	0.015	G	0.70	0.01	H	7.9254	0.0015	0.011	92		7.91	7.95					1							S
75949	9.317	0.013	8.647	0.011	*	0.620	0.014	T	0.69	0.01	L *	8.7002	0.0016	0.019	146	*	8.67	8.74			15307+3810	I 1	2 C S A	AB	100	0.129	0.010	0.50	0.64	S
75950	8.669	0.011	8.096	0.010		0.556	0.015	G	0.63	0.01	H	8.1432	0.0014	0.013	103		8.13	8.17					1							S
75951	9.262	0.018	8.764	0.018		0.468	0.020	G	0.54	0.02	H	8.8085	0.0015	0.010	85		8.79	8.82					1							
75952	8.401	0.009	8.409	0.012		−0.006	0.013	T	0.01	0.01	L	8.4225	0.0021	0.013	88		8.40	8.45		C			1							
75953	6.852	0.004	6.817	0.004		0.037	0.005	T	0.05	0.00	L	6.8335	0.0007	0.009	168		6.82	6.85		C			1							S
75954	8.821	0.008	8.776	0.009		0.046	0.011	T	0.06	0.01	L	8.7872	0.0013	0.018	258		8.75	8.82					1							
75955	8.585	0.013	8.494	0.015	*	0.080	0.014	G	0.09	0.01	H *	8.5076	0.0035	0.021	74	*	8.48	8.54		R	15307−5246	I 2	2 C A	AC	4	0.266	0.015	1.73	0.18	
75956	8.389	0.012	6.913	0.006		1.243	0.011	T	1.20	0.01	L	6.9386	0.0008	0.007	83		6.93	6.95		C			1							S
75957	7.546	0.006	7.459	0.007		0.078	0.008	T	0.09	0.01	L	7.4831	0.0012	0.010	100		7.46	7.50					1							S
75958	9.220	0.017	9.038	0.020		0.180	0.020	G	0.20	0.02	H	9.0444	0.0026	0.019	85		9.01	9.08		C			1							
75959	6.241	0.003	6.370	0.003		−0.112	0.002	G	−0.10	0.00	H	6.3571	0.0009	0.009	179		6.34	6.37					1							S
75960	10.059	0.034	9.799	0.041		0.320	0.002	G	0.37	0.00	H	9.8086	0.0025	0.020	80		9.76	9.84					1							
75961	8.795	0.010	7.884	0.007		0.808	0.009	T	0.83	0.01	L	7.9659	0.0068	0.062	176		7.87	8.04	4.86	P 1 A			1							S P
75962	11.212	0.069	10.123	0.044	*	0.941	0.063	T	0.93	0.05	L *	9.8958	0.0028	0.024	97	*	9.85	9.94		R	15308−0746	I 1	2 C A	AS	315	1.022	0.009	0.63	0.03	
75963	9.926	0.022	8.112	0.010	A	1.500	0.495	G	1.53	0.74	K *	8.0322	0.0009	0.012	120	*	8.01	8.06		D	15308+7256	I 1	2 C A	AB	272	1.973	0.020	3.24	0.09	S
75964						1.204	0.026	G	1.34	0.05	I	11.7207	0.0083	0.052	57		11.59	11.79		U			1							G
75965	9.125	0.014	8.705	0.014		0.397	0.018	T	0.46	0.02	L	8.7541	0.0024	0.020	101		8.71	8.79					1							S
75966	10.847	0.045	9.645	0.026		1.029	0.041	T	1.00	0.03	L	9.7204	0.0034	0.027	112		9.68	9.77					1							
75967	8.772	0.012	7.625	0.008		0.986	0.011	T	0.97	0.01	L	7.6634	0.0009	0.010	100		7.65	7.68					1							
75968	10.605	0.037	9.439	0.022		1.000	0.034	T	0.98	0.03	L	9.4881	0.0021	0.024	154		9.44	9.54					1							
75969	10.029	0.031	9.387	0.027		0.596	0.036	T	0.67	0.03	L	9.5183	0.0027	0.022	79		9.47	9.56		C			1							
75970	9.557	0.017	8.328	0.010		1.032	0.003	G	1.00	0.00	H	8.3622	0.0014	0.014	142		8.34	8.39					1							
75971	6.995	0.005	6.606	0.005		0.380	0.006	T	0.44	0.01	L	6.6532	0.0010	0.006	65		6.65	6.67		C			1							S
75972	9.509	0.015	8.099	0.009		1.191	0.014	T	1.15	0.01	L	8.1367	0.0014	0.013	136		8.11	8.15		C			1							S
75973	7.136	0.005	5.222	0.003		1.589	0.003	G	1.71	0.03	C	5.1479	0.0012	0.011	132		5.13	5.17		U 2			1							S
75974	6.986	0.005	5.852	0.004		0.976	0.005	T	0.96	0.00	L	5.9046	0.0007	0.006	109		5.89	5.92		C			1							S
75975	10.529	0.038	9.586	0.028		0.818	0.037	T	0.84	0.03	L	9.6914	0.0028	0.025	101		9.66	9.73		C			1 S							
75976	10.661	0.053	9.490	0.030		1.004	0.047	T	0.98	0.04	L	9.6020	0.0027	0.029	78		9.53	9.64					1							
75977	10.747	0.043	9.562	0.026		1.015	0.039	T	0.99	0.03	L	9.5834	0.0024	0.016	96		9.56	9.61		C			1							
75978						1.400	0.400	G	1.67	1.02	I	10.9068	0.0068	0.055	89		10.63	11.00		U			1 S							G
75979	9.623	0.019	9.120	0.018		0.524	0.015	G	0.60	0.02	H	9.1543	0.0019	0.021	100		9.12	9.19		C			1							
75980	7.973	0.008	6.945	0.005		0.895	0.007	T	0.90	0.01	L	7.0034	0.0011	0.009	82		6.99	7.02		C			1							S
75981	10.395	0.043	9.752	0.039		0.597	0.050	T	0.67	0.04	L	9.8474	0.0026	0.018	80		9.81	9.90		C			1							
75982	10.468	0.044	10.030	0.049		0.413	0.061	T	0.48	0.07	L	10.2531	0.0511	0.267	77		9.82	10.52	0.71	P 1 A			1							G
75983	8.684	0.011	8.314	0.011		0.388	0.006	G	0.45	0.01	H	8.3552	0.0016	0.012	111		8.32	8.37					1							S
75984	8.535	0.009	8.342	0.010		0.185	0.013	T	0.20	0.01	L	8.4010	0.0015	0.016	126		8.38	8.43		C			1							S
75985	7.969	0.010	7.669	0.010		0.285	0.013	T	0.32	0.02	L	7.7256	0.0009	0.010	102		7.71	7.74			15311−1851	I 1	1							S
75986	8.278	0.013	7.991	0.013		0.272	0.019	T	0.31	0.02	L	8.0217	0.0019	0.012	60		8.00	8.05		C			1							S
75987	11.075	0.070	9.448	0.028		1.362	0.059	T	1.33	0.07	L	9.4300	0.0023	0.020	82		9.40	9.48		C			1							
75988	10.862	0.051	10.191	0.044		0.621	0.056	T	0.69	0.05	L	10.2327	0.0034	0.029	84		10.17	10.27		C			1							
75989	10.294	0.031	8.981	0.017		1.115	0.028	T	1.08	0.03	L	9.0377	0.0020	0.024	88		9.00	9.07		C			1							
75990	9.060	0.019	8.791	0.022		0.256	0.027	T	0.29	0.03	L	8.8096	0.0022	0.019	82		8.77	8.85		C			1							
75991	10.129	0.015	8.960	0.010		1.003	0.014	T	0.98	0.01	L	9.0231	0.0014	0.022	261		8.98	9.06					1							
75992	11.141	0.070	9.397	0.025		1.483	0.061	T	2.48	0.11	O	9.1958	0.0057	0.048	84		9.11	9.28		U 2			1							
75993	9.363	0.011	9.338	0.015		0.028	0.017	T	0.04	0.01	L	9.3771	0.0019	0.027	201		9.33	9.43					1							
75994	8.326	0.009	7.923	0.010		0.394	0.011	T	0.46	0.01	L	7.9640	0.0019	0.020	128		7.94	8.02		U 2			1							S
75995	10.025	0.019	8.685	0.011		1.136	0.017	T	1.10	0.02	L	8.7315	0.0013	0.015	136		8.70	8.77					1							
75996	10.142	0.028	9.167	0.019		0.856	0.025	T	0.87	0.02	L	9.2201	0.0017	0.014	94		9.18	9.25					1							
75997	10.652	0.033	9.604	0.023		0.910	0.030	T	0.91	0.02	L	9.6608	0.0030	0.026	119		9.61	9.70					1							
75998	7.965	0.007	7.985	0.009		−0.014	0.010	T	0.01	0.01	L	8.0015	0.0014	0.015	176		7.98	8.03		C			1							S
75999	9.800	0.027	9.330	0.027		0.443	0.035	T	0.51	0.04	L	9.3615	0.0025	0.015	82		9.34	9.39		C			1							
76000	7.193	0.004	7.249	0.005		−0.046	0.006	T	−0.02	0.01	L	7.2404	0.0009	0.013	249		7.22	7.26					1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)																						Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	$\mu_{\alpha*}$	μ_δ	π	$\mu_{\alpha*}$	μ_δ	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr		$\alpha*$	$\alpha*$	δ	$\alpha*$	δ	π	$\alpha*$	δ	π	$\mu_{\alpha*}$		%	
1 2	3	4	5 6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
76001 H	15 31 17.22	−33 49 11.2	6.87	H	232.821 764 14	−33.819 768 49	A	9.98	−21.25	−31.09	0.95	0.73	0.98	0.93	0.87	− 9	−21	−18	+16	− 4	+19	+ 8	+21	−19	−10		0	0.11
76002	15 31 17.97	−69 50 12.0	8.40	H	232.824 892 51	−69.836 661 14		9.60	−62.56	−54.89	0.54	0.70	0.93	0.69	0.88	+27	−11	−	2	−	9	−12	−14	−	5	+17	−18	+38	0	−0.32
76003 H	15 31 19.50	−12 59 07.5	7.71	G	232.831 260 99	−12.985 428 80	A	11.64	−113.56	50.63	1.43	0.76	1.47	1.23	1.11	−21	−49	−	4	+17	−14	−	4	−	9	+23	−	9	−49	0	−0.58
76004	15 31 19.71	−48 11 31.8	9.72	H	232.832 114 50	−48.192 152 88		7.24	−4.66	−34.45	1.37	1.28	1.75	1.82	1.81	−24	−	9	−24	+30	−	6	+10	−	2	+36	−	3	−22	0	0.00
76005	15 31 20.19	+25 53 51.4	8.87	H	232.834 123 74	+25.897 624 50		4.51	−9.20	−5.03	0.95	0.88	1.38	0.97	1.11	−35	−19	−	3	+80	−36	−22	−48	+50	−	6	−58		0	1.16
76006	15 31 22.31	+36 37 00.0	6.39	H	232.842 959 34	+36.616 660 57		14.47	−3.82	−25.47	0.71	0.77	1.04	0.85	0.92	+10	−	8	−11	+	1	+	8	−	5	+10	+11	−19	−	4	0	
76007	15 31 24.52	−42 23 34.4	8.61	H	232.852 154 58	−42.392 894 79		1.77	−15.66	−25.41	0.93	0.72	1.15	0.94	0.96	−13	−34	−19	+21	−	4	−12	+	0	+27	−	8	−33	4	−0.84
76008	15 31 25.05	+77 20 57.6	5.00	1 H	232.854 392 45	+77.349 338 97		3.92	−46.89	5.31	0.40	0.48	0.50	0.47	0.58	+	5	−21	−30	−	6	−	3	+18	+	1	−23	+	9	−	2	0	0.57
76009 H	15 31 25.90	−55 56 35.7	8.49	H	232.857 902 52	−55.943 251 58	A	1.73	−1.67	−4.53	2.57	1.94	2.51	3.37	2.75	+28	−10	−	9	+40	+33	+19	+34	+39	+	6	+51		0	−0.09
76010	15 31 26.07	+32 35 32.5	8.52	H	232.858 620 46	+32.592 352 73		3.70	19.26	−22.00	0.57	0.68	0.96	0.61	0.75	+21	−	8	−12	−	1	+12	−10	+13	+11	−	5	+	7	1	1.65
76011	15 31 27.15	−71 03 43.5	6.89	1 H	232.863 106 51	−71.062 090 51		4.01	−16.39	−16.09	0.38	0.47	0.61	0.42	0.62	+22	−18	−	4	+	8	+	7	−10	+	9	+18	−12	+21	0	0.76
76012	15 31 28.74	+21 13 19.1	10.17	H	232.869 750 44	+21.221 962 00		−2.80	3.23	−0.42	1.28	1.45	2.05	1.55	2.13	−33	−	2	+	0	+11	−20	+	1	−25	+	6	+	1	−53	0	−0.25
76013	15 31 30.82	−73 23 22.4	5.40	2 H	232.878 419 29	−73.389 546 47		3.20	0.38	−18.28	0.39	0.46	0.59	0.48	0.55	+17	+	3	+	8	+	0	+15	−	4	+	9	+30	+10	+38	1	−0.73
76014	15 31 32.70	+01 51 53.8	9.77	H	232.886 240 00	+01.864 943 78		3.73	12.89	−7.91	1.53	1.06	1.80	1.91	1.60	−12	−27	−20	+33	−	5	−	8	−12	+	3	+18	−22	2	0.33
76015	15 31 33.48	−14 19 00.1	8.35	H	232.889 506 70	−14.316 690 53		2.46	15.95	4.41	1.28	0.54	1.55	1.33	1.11	−10	−56	−11	+	4	−12	+32	+10	+21	−29	−44		0	0.67
∗76016	15 31 33.83	+57 09 59.9	8.45	H	232.890 978 71	+57.166 634 16		1.67	−12.63	13.95	0.65	0.62	0.74	0.68	0.64	−	3	+	8	−18	−15	−	1	−	3	−	2	−11	−	8	−22	2	2.69
∗76017	15 31 33.83	+77 39 34.0	11.60	H	232.890 977 52	+77.659 435 54		13.81	−154.70	76.93	1.68	1.77	1.88	1.66	2.07	+	2	−24	−18	−24	−	7	+10	−	8	−	5	+	9	−	7	1	−0.18
76018	15 31 35.93	−63 51 06.7	9.35	H	232.899 725 03	−63.851 855 57		0.07	−9.49	−5.50	0.83	1.07	1.63	1.02	1.30	−11	−24	+11	+	6	+13	−24	+19	+20	−27	+	5		0	0.64
76019	15 31 37.10	+53 19 29.6	9.45	H	232.904 597 28	+53.324 882 02		8.49	−50.22	44.94	0.91	0.95	1.03	1.02	1.18	+23	+	6	−12	+11	+19	−	4	+21	+	4	+16	+27		0	−0.11
76020	15 31 38.15	−11 14 37.4	8.43	G	232.908 938 06	−11.243 716 45		11.07	−62.63	−21.88	1.16	0.57	1.28	1.57	1.10	−	6	−17	−12	−10	−	2	+	6	−	1	−	4	−10	−	8	0	1.26
76021	15 31 38.75	+07 48 56.2	7.96	H	232.911 459 51	+07.815 604 25		3.87	−34.41	62.01	1.01	0.70	1.17	1.62	1.25	−	7	−20	−	3	+17	−	8	−	2	−14	+22	+25	−	4	0	1.78
76022	15 31 39.09	−17 01 23.3	8.28	H	232.912 864 87	−17.023 127 97		0.25	−6.76	−5.44	1.10	0.57	1.17	1.17	0.89	−10	−37	+	3	+22	+	8	+19	+14	+13	−	7	−	9	0	−1.28
76023	15 31 39.43	+14 15 34.8	7.71	H	232.914 287 77	+14.259 670 18		4.92	−15.39	−26.34	1.10	0.67	1.08	1.41	0.84	+	0	+	4	−16	+53	+	4	+21	−	9	−31	+	1	−22	2	1.32
76024	15 31 39.99	+71 55 45.8	9.30	H	232.916 615 50	+71.929 399 68		4.79	6.92	−5.66	0.89	0.83	0.91	1.10	0.95	+15	−17	−13	−15	−18	+	2	−13	+	3	−	4	+	0	0	0.51
76025	15 31 40.17	+69 09 32.9	7.91	H	232.917 366 63	+69.159 127 33		4.95	5.75	24.54	0.55	0.58	0.61	0.57	0.64	+14	−18	−22	−	9	−14	+13	−12	−	5	−	2	+12		0	−2.95
76026	15 31 41.12	−36 13 54.4	9.99	H	232.921 320 65	−36.231 788 03		−0.98	14.50	−3.00	5.07	3.61	5.83	7.03	5.24	+	1	−	9	−	8	−10	−	9	+11	−	9	+	3	−22	+26	0	
76027	15 31 42.55	+38 05 42.0	9.34	H	232.927 273 21	+38.094 991 42		0.29	0.84	−16.21	0.88	0.90	1.18	1.03	1.05	+13	−12	−	3	+20	+	5	+21	+	6	+26	−	6	−	2	2	2.33
76028	15 31 42.67	−20 09 51.5	8.97	G	232.927 778 87	−20.164 306 82	B	20.34	−61.97	−37.47	26.12	11.54	10.05	22.35	18.25	−	9	−19	+17	−20	−17	−41	−22	+	9	+25	−19		1	1.11
∗76029 H	15 31 42.75	−51 58 33.4	8.32	H	232.928 121 67	−51.975 945 50	A	2.34	−10.34	−8.38	1.34	1.17	1.54	1.34	1.32	−13	−24	−12	+16	+12	−	8	+	7	+	7	+17	+	0	2	−0.30
∗76030	15 31 42.70	−81 18 11.1	8.97	H	232.927 908 63	−81.303 074 18		5.58	−24.43	−28.07	0.72	0.67	0.86	0.72	0.79	+	1	−25	+20	−	5	−	6	−	7	−	6	+10	+	6	+	1	2	2.41
76031	15 31 42.89	+00 53 01.5	7.42	G	232.928 701 97	+00.883 744 35	+	19.67	−14.98	−89.97	3.32	9.58	2.14	2.27	1.61	+33	−77	−57	−42	−80	+55	+	0	−78	+22	+60		0	0.75
76032	15 31 42.90	−83 42 45.0	8.49	H	232.928 757 27	−83.712 505 08		5.75	−7.63	−7.32	0.64	0.68	0.81	0.69	0.78	+	4	−17	−14	−	6	−	1	−	2	−	2	+15	+14	−	6	1	0.35
76033	15 31 43.45	−20 09 53.4	6.28	H	232.931 045 88	−20.164 845 91	A	13.65	−70.67	−31.33	1.92	0.92	1.64	2.70	1.56	−	5	−13	+12	−25	−13	−40	−20	+	5	+27	−	8	1	1.11
76034	15 31 43.99	−28 24 25.3	7.84	H	232.933 292 79	−28.407 028 90		0.76	0.13	−30.46	1.09	0.64	1.35	1.20	0.98	−22	−24	−23	+10	+11	+	5	+10	−	6	+31	−15		0	−0.57
76035	15 31 44.33	+39 40 43.4	7.70	H	232.934 705 09	+39.678 731 52		15.07	51.09	58.64	0.59	0.60	0.77	0.69	0.74	+18	−16	−17	−19	−	3	−	4	−	3	−	8	+	2	+13	0	−2.85
∗76036	15 31 45.00	+43 45 13.3	10.73	2 H	232.937 485 71	+43.753 686 01		2.14	−25.02	−6.40	1.07	1.14	1.32	1.28	1.43	+13	−15	−	5	−16	−	2	−	2	−	3	−18	+	4	+	5	1	0.63
∗76037	15 31 44.79	−32 37 24.7	8.03	H	232.936 643 52	−32.623 516 07		7.81	−54.75	47.13	1.03	0.72	1.13	1.03	1.03	−29	−48	+	2	+29	−26	−12	−25	+44	+	8	−45		0	0.30
76038	15 31 45.00	+14 05 00.5	7.92	H	232.937 486 69	+14.083 469 87		3.14	−11.32	12.91	1.09	0.72	1.14	1.25	0.91	−	4	−32	−	6	+40	−	1	+	3	−	8	−18	+10	−14	0	−0.68
76039	15 31 45.34	+20 22 38.8	7.75	H	232.938 921 13	+20.377 440 86		7.26	9.00	−7.76	0.78	0.66	1.02	0.93	0.75	−	3	−31	−27	−32	−34	+37	−19	+	3	−	9	−29		0	2.51
76040	15 31 46.02	+59 43 13.3	7.92	G	232.941 735 30	+59.720 351 67		11.48	−28.35	33.11	0.54	0.53	0.61	0.52	0.58	+	9	−17	−11	−17	−16	+13	−16	−	7	+	6	−	7	0	−0.73
∗76041	15 31 46.99	+40 53 57.7	4.98	H	232.945 801 42	+40.899 368 76		7.59	−13.73	−14.92	0.44	0.45	0.55	0.55	0.52	−	8	+18	−	3	−20	+10	−14	+	2	+	2	−13	−12		1	1.77
∗76042	15 31 46.68	+47 03 27.2	10.51	2 H	232.944 515 44	+47.057 560 49		31.79	155.26	−297.42	1.18	1.17	1.32	1.45	1.46	+26	+	4	+	8	−36	−12	−15	−13	−	9	−15	+33		0	0.04
76043	15 31 48.49	+16 14 04.2	7.46	H	232.952 025 84	+16.234 495 84		8.21	−9.38	−10.37	0.86	0.69	1.17	0.97	1.05	−10	−39	−10	−39	+	7	−	4	−11	−36	+44	−39		0	−2.12
76044	15 31 48.49	−37 38 46.5	8.91	2 H	232.952 052 21	−37.646 259 39		1.86	0.53	−1.20	0.98	0.73	1.39	1.02	1.12	−38	−34	−	3	+	5	+	2	−	1	+17	+18	−39	−34	0	0.39
76045	15 31 48.88	+46 39 44.1	10.40	H	232.953 681 07	+46.662 258 99		20.06	−26.55	379.68	1.06	1.10	1.27	1.21	1.24	+21	+10	+14	−27	−16	−16	−11	−	5	−	2	+	5		0	2.35
76046	15 31 48.97	−02 03 58.9	8.41	H	232.954 031 26	−02.066 370 14		15.11	−81.02	−30.13	0.94	0.62	1.11	1.09	0.89	−20	−31	−	2	+17	−	8	−	7	−12	+13	+13	−22		0	1.40
76047	15 31 49.02	+54 28 17.2	8.38	2 H	232.954 258 51	+54.471 441 00		1.37	7.43	−8.80	0.69	0.67	0.75	0.75	0.76	−	7	−	1	−	3	−26	+14	−	8	+14	−18	+11	−12	0	2.38
76048	15 31 50.24	−32 52 51.8	6.49	H	232.959 339 26	−32.881 060 85		7.19	−18.86	−21.18	0.70	0.53	0.81	0.87	0.76	−20	−19	−21	+25	−16	+18	−13	+35	+	5	−29		0	−0.19
76049	15 31 51.22	−07 09 11.3	8.51	H	232.963 417 90	−07.153 149 73		3.95	−7.47	−9.04	1.04	0.63	1.13	1.33	1.14	−37	−27	+	4	+34	−26	−	9	−33	+30	+26	−45		0	2.07
76050	15 31 51.77	−15 41 10.2	10.32	2 H	232.965 687 61	−15.686 160 41		4.92	−15.61	−1.94	1.74	0.83	1.96	2.50	1.81	−14	−16	+	1	+21	−	3	+30	+	0	+18	−11	−19		0	0.91
76051	15 31 54.07	+09 39 26.9	9.80	H	232.975 300 38	+09.657 462 53	C	44.59	−45.97	4.41	39.58	19.82	20.41	26.77	17.18	+	8	−47	−	1	−	3	−24	−10	−23	−17	−	2	−	6	9	1.87
76052	15 31 54.80	+09 39 39.1	8.63	G	232.978 340 59	+09.660 874 05	A	15.61	−34.51	4.29	5.02	2.73	3.71	4.97	3.11	+	8	−40	+	2	−	9	−21	−	8	−21	−25	−	6	−	6	9	1.87
76053	15 31 54.98	−48 18 42.2	8.71	H	232.979 072 71	−48.311 711 46		3.66	−37.26	−19.49	1.10	1.01	1.39	1.46	1.46	−17	−	9	−20	+31	+	3	+	3	+	4	+37	−	3	−	8	0	0.03
76054	15 31 55.56	−43 39 52.3	8.73	H	232.981 488 80	−43.664 534 73		6.51	−12.53	16.35	1.09	0.82	1.23	1.37	1.09	+	5	+	1	−	7	+41	+27	+10	+31	+27	+15	+23	4	−0.18
76055	15 31 55.88	−50 10 01.4	8.25	H	232.982 826 55	−50.167 056 58		9.75	29.74	3.60	0.84	0.74	1.09	0.97	1.08	−17	−17	−28	+	1	−	1	−	7	+	4	+24	−14	−36	0	1.55
76056	15 31 56.72	−20 37 43.6	8.79	H	232.986 316 33	−20.628 773 40		8.93	41.39	6.51	1.35	0.61	1.49	2.24	1.11	−12	−11	−	9	−30	+	4	−37	−	9	−15	+11	+18	0	1.39
76057	15 31 58.37	−18 29 11.2	8.70	H	232.993 193 49	−18.486 434 67		0.93	−9.66	−12.16	1.13	0.53	1.13	1.19	0.84	−	5	−34	+	2	+	3	−10	+10	−13	+12	−	3	+	8	0	−1.95
76058	15 32 00.01	+04 03 57.9	8.72	H	233.000 057 07	+04.066 074 42		19.94	−123.41	−24.85	1.17	0.71	1.21	1.49	1.09	−	2	−10	−	6	+30	+	2	+	9	+	4	+	2	−12	−	5	2	−0.93
76059	15 32 00.39	−11 22 26.2	12.13	3 G																																		
76060	15 32 00.78	+20 56 28.6	8.33	H	233.003 230 21	+20.941 282 21		6.02	−14.85	−0.29	0.87	0.71	1.10	1.04	0.91	−14	−27	−	9	−10	−34	+17	−33	+	8	+10	−32		0	0.40
76061	15 32 02.85	+22 34 16.2	7.54	H	233.011 855 60	+22.571 153 73		18.38	63.34	−145.43	0.53	0.66	0.94	0.68	0.93	−34	+	0	−	8	+24	−	2	−14	−10	−10	+18	−52	0	−0.44
76062	15 32 03.76	+00 06 57.0	9.29	H	233.015 649 41	+00.115 820 37		0.33	1.22	−18.30	1.21	0.72	1.26	1.49	1.06	+11	−25	−	8	+20	−	3	+	5	−	4	+	4	−	1	+	3	2	1.17
76063	15 32 04.22	−38 37 20.5	6.23	H	233.017 601 86	−38.622 371 67		18.64	−51.08	−70.50	0.59	0.48	0.78	0.66	0.62	−24	−17	−25	+10	+	0	−	5	+	2	+27	−14	−25	2	0.76
76064	15 32 04.41	−72 30 41.1	9.77	2 H	233.018 384 15	−72.511 428 88		13.90	−8.96	10.53	1.81	2.04	2.79	1.87	2.50	+12	−21	+	4	−	8	−	7	−12	−11	+13	+13	+11	2										
76065	15 32 04.99	+15 04 27.4	9.09	H	233.020 800 92	+15.074 280 48		2.24	3.91	5.65	0.98	1.01	1.32	1.16	1.44	−37	−	8	+	0	−22	+	7	−	4	−	1	−28	+12	−65	0	−1.04
76066	15 32 05.96	+08 24 12.2	8.79	H	233.024 836 74	+08.403 376 12		−1.30	6.00	−6.25	1.17	0.84	1.33	1.51	1.11	+	0	−17	−27	+24	+	6	−	2	+	2	−	6	+10	−15	0	−0.22
76067	15 32 06.14	−69 10 23.9	7.83	H	233.025 579 17	−69.173 319 27		6.12	−16.15	−19.91	0.52	0.64	0.85	0.89	1.17	+30	−	8	+	3	−34	−	3	+10	−19	+11	+10	+70	0	−1.80
76068	15 32 07.61	−28 09 58.3	7.96	G	233.031 715 13	−28.166 186 87		4.81	6.80	0.24	0.94	0.59	1.07	1.08	0.80	−19	−15	−14	+17	+	6	+23	+12	+	9	+11	−	4	0	−0.18
76069	15 32 09.68	+16 03 22.1	6.22	H	233.040 320 04	+16.056 152 39		7.56	−2.87	6.76	0.66	0.56	0.80	0.78	0.83	−17	−	4	−10	−50	+	9	−10	+	6	−40	+23	−45	0	−0.40
76070	15 32 10.08	−60 49 26.5	8.89	H	233.042 017 46	−60.824 033 35		4.56	2.07	−11.68	0.80	0.81	1.21	0.99	1.08	+22	−	9	−20	+42	+51	−21	+50	+	0	+10	+18		0	0.73
76071	15 32 10.34	−21 58 00.4	7.24	H	233.043 076 80	−21.966 772 88		5.73	−8.23	−20.77	0.93	0.54	1.04	1.20	0.96	−13	−22	−19	−18	+	6	−13	−	1	−15	+20	−22		0	0.90
76072	15 32 12.29	+23 31 17.2	8.76	H	233.051 206 96	+23.521 452 81		3.24	4.75	−10.81	0.77	0.79	1.14	1.06	1.27	−25	−23	+16	+	9	+	1	−	8	−	3	−	6	+11	−39	0	0.69
∗76073	15 32 13.89	−45 04 03.1	6.82	H	233.057 892 50	−45.067 529 15		4.02	6.11	−2.34	0.63	0.52	0.82	0.60	0.65	−19	−34	−19	−	3	−	7	−17	−	3	+19	−	8	−43	0	−0.23
∗76074	15 32 13.85	−41 16 23.1	9.31	G	233.057 689 61	−41.273 085 64		168.52	−1177.47	−1028.86	1.11	0.93	1.42	1.42	1.29	−17	−	9	−26	+23	−	3	+14	+	3	+35	−	5	−18	0	−1.99
76075	15 32 15.13	−23 52 48.6	6.75	2 H	233.063 054 93	−23.880 167 85		4.62	17.82	−2.46	0.89	0.60	1.10	1.11	1.05	−17	−19	−33	+	3	+	9	−	4	+	6	−11	+30	−42	0	−0.14
76076	15 32 15.23	−44 24 26.3	7.67	H	233.063 439 30	−44.407 312 21		3.17	−18.20	−24.47	0.83	0.62	1.04	0.84	0.74	−	5	−33	−21	+	3	+	6	−25	+	4	+17	−	6	−14	0	−0.56
76077	15 32 16.62	−47 28 13.8	8.77	H	233.069 267 93	−47.470 512 44		4.20	−23.79	−28.64	0.91	0.76	1.11	0.85	0.87	−13	−28	−26	−	3	+	9	−	5	+11	+	7	−	3	−27	0	0.69
76078 H	15 32 16.91	+13 55 16.8	10.39	H	233.070 477 56	+13.921 338 65	A	6.26	0.03	13.98	3.99	3.01	3.26	3.47	3.01	−18	−32	−	8	+32	+	4	−18	−20	−	8	+28	−53	3	−0.04
∗76079	15 32 17.87	−10 26 19.1	6.57	H	233.074 444 82	−10.438 634 64		7.87	8.34	−48.60	0.77	0.46	0.87	0.97	0.70	−26	−28	+	4	+10	−10	+17	−	7	+	8	−15	−11		0	1.22
∗76080	15 32 17.87	−09 35 11.0	7.85	H	233.074 441 40	−09.586 401 28		6.66	19.23	−17.07	0.83	0.49	0.95	1.08	0.78	−30	−31	−	2	+10	−15	+17	−17	+14	+	5	−11		0	0.05
76081	15 32 18.16	+57 57 46.8	9.32	H	233.075 678 91	+57.962 999 66		2.31	−2.05	23.38	0.74	0.68	0.81	0.69	0.67	+	0	−	4	−	6	−30	−10	−	4	−	5	−	5	−	6	−21	0	3.55
76082	15 32 19.55	+15 11 18.3	8.58	G	233.081 453 77	+15.188 413 11		3.03	−22.73	15.45	0.77	0.79	1.14	0.87	1.17	−16	−13	−23	−27	+	2	−	1	−12	−37	+28	−55	0	−1.27
76083	15 32 19.95	−76 59 13.3	9.29	H	233.083 140 58	−76.987 025 54		1.83	−7.08	−5.76	0.72	0.85	0.99	0.72	0.91	+20	−17	−23	−15	+	4	−	5	−	1	+21	+	2	+26	0	−1.23
76084	15 32 20.15	−31 08 33.7	8.62	G	233.083 941 59	−31.142 689 56		6.87	−21.37	−20.96	1.01	0.75	1.23	1.22	1.25	−23	−15	−28	+	5	−	7	−16	−14	+14	+	9	−44	0	−0.10
76085	15 32 20.33	−14 34 23.3	9.73	G	233.084 725 87	−14.573 138 81		4.35	−6.22	−9.60	1.75	0.74	1.98	1.75	1.44	−	8	−55	−	7	+17	−	1	+21	+19	+15	−30	−32	0	0.66
∗76086	15 32 23.19	−08 32 00.9	9.10	2 H	233.096 644 97	−08.533 583 07		7.12	23.50	−0.97	1.14	0.78	1.33	1.35	1.15	−30	−25	−16	+31	−14	+15	−11	+17	+	6	−33		0	−0.14
∗76087	15 32 23.19	−50 39 27.4	7.80	H	233.096 634 73	−50.657 604 47		2.59	−2.98	−3.23	0.76	0.71	1.05	0.89	0.93	−	6	−24	−31	+14	+	8	−12	+	7	+18	−	1	−19	0	1.00
76088	15 32 23.63	+15 37 26.1	8.33	H	233.098 465 46	+15.623 919 01		3.68	14.96	−21.72	0.83	0.89	1.17	0.99	1.39	−31	−	4	−13	−23	+	0	−15	−11	−22	+23	−67	0	−0.81
76089	15 32 23.72	−55 48 57.2	8.39	H	233.098 815 11	−55.815 890 65		2.78	−15.21	−25.31	0.78	0.79	1.06	1.05	1.13	+	2	−10	−17	+27	+	4	−	4	+	5	+23	−11	+15	0	−0.66
76090	15 32 23.86	−47 37 53.0	9.05	H	233.099 414 34	−47.631 393 47		12.47	−45.45	−45.06	1.00	0.83	1.22	1.23	1.04	−	7	−12	−18	+21	+19	+17	+23	+15	+	7	+12		0	1.06
76091	15 32 24.25	−01 47 00.7	8.21	2 H	233.101 057 91	−01.783 516 65		1.96	−19.88	1.43	0.97	0.61	1.06	1.06	0.85	−	5	−41	−11	+21	−	3	−14	−10	+	8	+11	−24		0	1.55
76092 H	15 32 26.12	−54 43 10.5	8.42	H	233.108 836 55	−54.719 578 63	A	5.25	−5.78	−7.74	1.23	1.09	1.48	1.32	1.36	−15	−45	+	6	+17	+11	−17	+12	+37	−13	+10		1	−0.14
76093	15 32 27.02	−68 07 48.3	8.41	H	233.112 593 46	−68.130 077 73		0.98	−4.35	−6.69	0.52	0.74	1.06	0.60	0.97	+35	−	9	+	4	−15	+	5	−	2	+	4	−	5	+	2	1	−1.02
76094	15 32 27.49	+08 34 37.1	8.24	H	233.114 543 32	+08.576 967 85		3.44	−13.08	30.56	0.99	0.70	1.08	1.23	0.95	−	9	−19	−16	+25	+10	−	1	+	8	−	9	+	0	−20	0	1.19
76095	15 32 28.26	−41 33 52.6	8.30	H	233.117 735 38	−41.564 618 73		7.39	−68.68	−76.71	0.75	0.68

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data										Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
76001	7.131	0.007	6.942	0.009	A						T *	6.9204	0.0010	0.008	82 *		6.91	6.93		D	15313−3349	I 1	2 C A	AC	131	1.537	0.006	2.12	0.03	S D
76002	8.901	0.009	8.445	0.009		0.451	0.015	G	0.52	0.02	H	8.4965	0.0011	0.017	186		8.47	8.52					1 G							
76003						0.574	0.015	G	0.65	0.01	H *	7.8151	0.0013	0.011	116 *		7.80	7.84		D	15314−1300	I 1	2 C A	AB	38	3.227	0.006	2.17	0.03	S
76004	10.368	0.036	9.799	0.035		0.532	0.045	T	0.60	0.05	L	9.8307	0.0042	0.025	83		9.79	9.88					1							G
76005	10.149	0.021	8.976	0.014		1.006	0.020	T	0.98	0.02	L	9.0334	0.0021	0.023	148		9.00	9.08					1							
76006	7.011	0.005	6.446	0.004		0.529	0.006	T	0.60	0.01	L	6.5026	0.0007	0.008	138		6.49	6.52					1 X							S
76007	9.900	0.024	8.691	0.015		1.034	0.022	T	1.01	0.02	L	8.7759	0.0020	0.018	97		8.74	8.81		C			1							
76008	7.027	0.006	5.168	0.002		1.545	0.005	T	1.61	0.01	L	5.1099	0.0012	0.010	112		5.10	5.13		U 2			1 G							S
76009	8.530	0.017	8.319	0.021	*	0.202	0.025	T	0.22	0.03	L *	8.5531	0.0021	0.017	83 *		8.52	8.58		D	15314−5557	I 1	2 C A	AB	218	2.259	0.004	0.43	0.02	
76010	9.085	0.011	8.585	0.011		0.470	0.014	T	0.54	0.01	L	8.6277	0.0017	0.019	178		8.60	8.66					1							S
76011	6.731	0.003	6.875	0.004		−0.125	0.004	T	−0.11	0.01	L	6.8535	0.0013	0.018	192		6.82	6.87	4.49	P 1 A			1							S
76012	11.959	0.143	10.196	0.045		1.469	0.119	T	1.48	0.18	L	10.3042	0.0039	0.033	107		10.23	10.39		R	15315+2113	I 1	1 S							
76013	5.208	0.004	5.375	0.004		−0.146	0.005	T	−0.14	0.01	L	5.3535	0.0031	0.034	162		5.31	5.41		U 2 C	15315−7323	I 1	1							S
76014	10.416	0.037	9.782	0.033		0.405	0.015	G	0.47	0.02	H	9.8571	0.0026	0.023	78		9.80	9.91		C			1							
76015	10.462	0.039	8.544	0.014		1.592	0.033	T	1.61	0.03	L	8.4697	0.0017	0.013	100		8.45	8.50					1							
76016	10.197	0.024	8.582	0.012		1.352	0.021	T	1.32	0.02	L	8.5992	0.0016	0.017	106		8.57	8.63					1							P
76017											T	11.7315	0.0063	0.048	99		11.63	11.82					1							G
76018	10.749	0.043	9.527	0.025		1.044	0.039	T	1.01	0.03	L	9.5201	0.0023	0.027	134		9.48	9.59		C			1							
76019	10.074	0.026	9.504	0.025		0.533	0.032	T	0.61	0.03	L	9.5701	0.0034	0.025	109		9.51	9.62					1							S
76020	9.079	0.017	8.509	0.016		0.564	0.015	G	0.64	0.01	H	8.5372	0.0019	0.014	90		8.52	8.56					1							S
76021	9.123	0.019	8.061	0.014		0.921	0.018	T	0.92	0.01	L	8.1248	0.0012	0.012	64		8.11	8.15		C			1							S
76022	10.386	0.050	8.480	0.018		1.617	0.044	T	1.99	0.11	O	8.3645	0.0022	0.019	113		8.34	8.40					1							
76023	9.123	0.018	7.825	0.011		1.104	0.016	T	1.07	0.02	L	7.8792	0.0013	0.012	64		7.86	7.90		C			1							S
76024	10.363	0.030	9.352	0.021		0.882	0.027	T	0.89	0.02	L	9.4550	0.0025	0.025	98		9.42	9.51					1							
76025	9.547	0.018	8.046	0.010		1.263	0.016	T	1.22	0.02	L	8.0724	0.0015	0.014	120		8.05	8.09		C			1							S
76026	11.930	0.179	10.094	0.049		1.527	0.147	T	1.57	0.32	L	10.1124	0.0031	0.023	65		10.07	10.15		C			1 X							G
76027	11.291	0.055	9.535	0.020		1.464	0.046	T	1.47	0.07	L	9.4702	0.0027	0.026	141		9.42	9.52					1							
76028	9.542	0.029	8.943	0.028	B	0.546	0.004	G	0.62	0.00	H	9.2234	0.0493			B				D	15317−2010	I 2	1 C I A							
76029	10.221	0.059	8.405	0.021	*	1.200	0.495	G	1.49	0.09	M *	8.4481	0.0028	0.015	85 *		8.42	8.49			15317−5159	I 1	2 C A	AB	329	4.640	0.030	3.21	0.15	D
76030	9.385	0.015	8.989	0.016		0.375	0.020	T	0.44	0.02	L	9.0538	0.0014	0.018	111		9.02	9.08		C			1							
76031	8.182	0.010	7.496	0.010		0.646	0.015	G	0.71	0.01	H	7.5428	0.0014	0.012	77		7.52	7.56					1 O							S
76032	9.846	0.019	8.631	0.012		1.039	0.018	T	1.01	0.01	L	8.6530	0.0017	0.020	140		8.62	8.69					1							
76033	6.536	0.005	6.306	0.006	A	0.220	0.000	G	0.24	0.00	H	6.3476	0.0040	0.015	96	A	6.33	6.38		D	15317−2010	I 2	1 C P A							S
76034	9.835	0.024	8.009	0.011		1.519	0.021	T	1.55	0.03	L	7.9628	0.0017	0.012	74		7.94	7.98		C			1							S
76035	8.607	0.009	7.783	0.007		0.743	0.009	T	0.79	0.01	L	7.8477	0.0012	0.013	133		7.83	7.88					1							S
76036	12.413	0.190	10.976	0.086		1.585	0.082	G	2.57	0.19	I	10.7425	0.0062	0.054	123		10.65	10.83		U 2			1							G
76037	9.452	0.019	8.143	0.012		1.112	0.018	T	1.07	0.02	L	8.2027	0.0017	0.014	83		8.18	8.22		C			1							
76038	9.231	0.020	8.033	0.013		1.025	0.019	T	1.00	0.02	L	8.0915	0.0022	0.015	68		8.06	8.14			15318+1405	I 1	1							S
76039	8.279	0.012	7.800	0.010		0.471	0.015	G	0.54	0.02	H	7.8563	0.0012	0.013	100		7.83	7.88		C			1							S
76040	8.534	0.010	7.983	0.010		0.516	0.013	T	0.59	0.01	L	8.0283	0.0009	0.011	102		8.01	8.05					1							S
76041	5.120	0.002	5.007	0.002		0.086	0.017	G	0.15	0.03	C	5.0265	0.0004	0.005	131		5.02	5.04			15318+4054	I 1	1 G							S
76042	12.274	0.165	10.608	0.062		1.585	0.197	G	2.57	0.45	I	10.5227	0.0039	0.042	120		10.47	10.76		U 2	15317+4703	I 1	1							G
76043	7.692	0.007	7.485	0.008		0.198	0.010	T	0.22	0.01	L	7.5199	0.0014	0.011	87		7.50	7.54		C			1							S
76044	11.286	0.062	9.118	0.016		1.832	0.053	T	2.48	0.09	O	8.9350	0.0034	0.032	115		8.89	8.98		U 2 C			1							
76045	11.866	0.120	10.488	0.057		1.456	0.197	G	1.83	0.88	I	10.4776	0.0034	0.026	103		10.43	10.54					1							
76046	9.131	0.015	8.457	0.014		0.624	0.017	T	0.69	0.01	L	8.5393	0.0019	0.014	87		8.52	8.58					1							S
76047	10.458	0.030	8.614	0.012		1.565	0.027	T	2.42	0.06	O	8.4182	0.0042	0.047	125		8.35	8.48		U 2			1 S							
76048	6.568	0.004	6.496	0.004		0.065	0.005	T	0.07	0.01	L	6.5162	0.0009	0.006	82		6.50	6.53		C			1							S
76049	8.853	0.014	8.518	0.015		0.318	0.019	T	0.37	0.03	L	8.5931	0.0015	0.009	89		8.58	8.61					1							S
76050	11.177	0.077	10.488	0.072		0.636	0.087	T	0.70	0.08	L	10.4540	0.0154	0.122	95		10.35	10.78	0.36	P 1 A			1							G
76051	10.738	0.074	9.855	0.049	C	0.787	0.067	T	0.82	0.05	L	10.0711	0.0957			C				D	15319+0940	I 2	1 C I A							D
76052	9.276	0.026	8.641	0.023	A	0.574	0.015	G	0.65	0.01	H	8.7483	0.0331	0.075	57	A	8.65	8.89		D	15319+0940	I 2	1 C P A							S D
76053	10.197	0.032	8.825	0.018		1.161	0.029	T	1.12	0.03	L	8.8738	0.0021	0.017	74		8.83	8.91					1							
76054	9.418	0.016	8.780	0.015		0.587	0.016	T	0.66	0.01	L	8.8553	0.0017	0.021	96		8.82	8.88					1							
76055	8.667	0.012	8.297	0.012		0.398	0.001	G	0.46	0.00	H	8.3392	0.0012	0.013	91		8.32	8.36		D			1							
76056	9.375	0.021	8.856	0.020		0.497	0.022	T	0.57	0.02	L	8.9017	0.0019	0.014	87		8.87	8.93					1							
76057	10.320	0.037	8.825	0.019		1.258	0.033	T	1.22	0.03	L	8.8658	0.0019	0.014	101		8.84	8.89					1							
76058	9.513	0.021	8.804	0.018		0.653	0.022	T	0.72	0.02	L	8.8575	0.0029	0.019	82		8.83	8.89					1							
76059						0.604	0.054	G	0.67	0.05	H	12.4035	0.0282	0.235	77		11.87	12.79		U 2			S							D Y
76060	8.634	0.012	8.362	0.013		0.294	0.015	G	0.34	0.02	H	8.4038	0.0021	0.018	98		8.37	8.44					1							S
76061	8.677	0.012	7.642	0.008		0.900	0.011	T	0.90	0.01	L	7.7036	0.0010	0.012	125		7.68	7.72		C			1							S
76062	10.599	0.053	9.391	0.032		1.033	0.048	T	1.01	0.04	L	9.4531	0.0021	0.018	76		9.42	9.48		C			1							
76063	6.489	0.003	6.255	0.004		0.212	0.007	G	0.23	0.01	H	6.2913	0.0010	0.008	98		6.28	6.30					1							S
76064	10.572	0.030	9.876	0.026		0.630	0.030	T	0.70	0.03	L	9.9001	0.0040	0.046	165		9.81	9.98		U			1 X S							G
76065	10.462	0.033	9.203	0.019		1.073	0.030	T	1.04	0.03	L	9.2544	0.0021	0.020	106		9.22	9.29		C			1 S							
76066	10.084	0.032	8.888	0.020		1.024	0.029	T	1.00	0.02	L	8.9542	0.0023	0.018	69		8.93	8.98		C			1							
76067	8.065	0.006	7.831	0.007		0.218	0.009	T	0.24	0.01	L	7.8934	0.0012	0.014	207		7.87	7.92		C			1 G							S
76068	8.218	0.009	7.962	0.014		0.314	0.015	G	0.36	0.02	H	8.0197	0.0013	0.011	80		8.00	8.04		C			1							S
76069	6.169	0.004	6.214	0.004		−0.038	0.005	T	−0.02	0.01	L	6.2188	0.0007	0.006	94		6.21	6.23		D			1							S
76070	9.072	0.011	8.921	0.014		0.145	0.017	T	0.16	0.02	L	8.9443	0.0019	0.019	145		8.91	8.99		C			1							
76071	7.276	0.007	7.242	0.009		0.031	0.010	T	0.05	0.01	L	7.2522	0.0009	0.007	79		7.24	7.27					1							S
76072	10.477	0.035	8.905	0.016		1.319	0.030	T	1.28	0.04	L	8.9083	0.0016	0.017	111		8.88	8.94		C			1							
76073	6.798	0.004	6.811	0.005		−0.018	0.002	G	0.00	0.00	H	6.8258	0.0010	0.007	102		6.82	6.84					1							S
76074						1.524	0.026	G	2.40	0.01	A	9.3249	0.0032	0.025	101		9.28	9.37					1							
76075	8.777	0.013	7.030	0.007		1.486	0.012	T	3.12	0.04	O	6.6102	0.0138	0.074	74		6.50	6.73		U 2			1 S							S P
76076	9.615	0.020	7.824	0.009		1.491	0.017	T	1.51	0.03	L	7.7985	0.0015	0.012	100		7.78	7.82					1							S
76077	9.225	0.015	8.801	0.015		0.401	0.020	T	0.47	0.02	L	8.8638	0.0020	0.014	87		8.84	8.89		C			1							
76078	11.224	0.097	10.338	0.068	*	0.480	0.072	G	0.55	0.08	R *	10.4999	0.0036	0.035	61 *		10.40	10.55		D	15323+1355	M 1	2 C A	AB	164	0.393	0.009	0.93	0.07	
76079	7.694	0.009	6.684	0.006		0.918	0.001	G	0.92	0.00	K	6.7358	0.0009	0.006	84		6.72	6.75		C			1							S
76080	8.061	0.009	7.873	0.010		0.180	0.013	T	0.20	0.01	L	7.9101	0.0012	0.009	98		7.90	7.94					1							S
76081	10.621	0.042	9.428	0.026		1.022	0.039	T	1.00	0.03	L	9.4843	0.0022	0.017	95		9.45	9.51		C			1							
76082	8.916	0.012	8.605	0.013		0.308	0.015	G	0.35	0.02	H	8.6534	0.0014	0.015	117		8.63	8.68		C			1							S
76083	9.316	0.013	9.279	0.017		0.034	0.019	T	0.05	0.01	L	9.3090	0.0023	0.026	150		9.26	9.36					1							
76084	9.119	0.014	8.672	0.014		0.446	0.001	G	0.52	0.00	H	8.7144	0.0027	0.018	79		8.68	8.74					1							
76085	10.448	0.042	9.843	0.040		0.564	0.020	G	0.64	0.02	H	9.8645	0.0022	0.019	86		9.84	9.90		C			1							
76086	10.412	0.041	9.215	0.025		1.025	0.037	T	1.00	0.03	L	9.2636	0.0066	0.062	101		9.18	9.38	4.79	P 1 A			1							
76087	8.253	0.012	7.851	0.011		0.422	0.004	G	0.49	0.00	H	7.8935	0.0013	0.010	89		7.87	7.92					1							S
76088	9.593	0.017	8.463	0.012		0.972	0.016	T	0.96	0.01	L	8.4947	0.0018	0.015	122		8.47	8.52		C			1							S
76089	10.042	0.028	8.552	0.015		1.254	0.025	T	1.21	0.03	L	8.5541	0.0024	0.015	88		8.52	8.60		C			1							
76090	9.944	0.025	9.141	0.021		0.711	0.025	T	0.77	0.02	L	9.1822	0.0025	0.019	88		9.16	9.21		C			1							
76091	10.505	0.037	8.512	0.013		1.652	0.031	T	1.67	0.03	L	8.3220	0.0056	0.055	96		8.24	8.43		U 2			1 S							P
76092	8.528	0.012	8.454	0.015	A	0.028	0.064	G	0.07	0.01	L *	8.4462	0.0026	0.019	85 *		8.41	8.48			15324−5443	I 1	2 C B	AB	123	6.599	0.053	3.21	0.21	
76093	9.762	0.013	8.539	0.008		1.045	0.012	T	1.02	0.01	L	8.5826	0.0016	0.023	261		8.55	8.62					1							
76094	8.875	0.015	8.306	0.014		0.532	0.018	T	0.60	0.02	L	8.3577	0.0015	0.012	69		8.34	8.37		C	15325+0834	I 1	1							S
76095	8.833	0.013	8.335	0.012		0.480	0.014	T	0.55	0.01	L	8.4045	0.0019	0.013	107		8.38	8.43					1							
76096	9.557	0.019	9.154	0.019		0.430	0.015	G	0.50	0.02	H	9.2131	0.0017	0.016	105		9.19	9.24		C			1							
76097	8.793	0.010	8.126	0.009	A	0.616	0.015	G	0.68	0.01	H *	8.0876	0.0013	0.012	123 *		8.07	8.11		D	15325+7646	I 1	2 C A	AB	266	1.527	0.008	1.89	0.03	S
76098	7.532	0.006	7.494	0.006		0.022	0.006	G	0.04	0.01	H	7.5185	0.0011	0.010	113		7.50	7.54		C			1							S
76099	9.350	0.021	8.920	0.022		0.420	0.025	T	0.49	0.03	L	8.9707	0.0016	0.014	73		8.95	9.00					1							
76100	11.090	0.079	10.397	0.067		0.640	0.085	T	0.70	0.07	L	10.5020	0.0039	0.032	67		10.45	10.56		C			1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)																						Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\mu_{\alpha*}$	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$										F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr																						%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28													29	30
76101	15 32 33.89	−23 25 40.5	9.99	G	233.141 219 44	−23.427 928 05		3.46	−15.83	−0.21	1.36	0.89	1.68	1.78	1.61	−21	−11	−29	+10	+	1	+	8	+	4	−	3	+27	−35										0	0.13
76102	15 32 33.95	+09 47 13.8	8.28	H	233.141 468 08	+09.787 159 78		3.08	−29.84	9.99	1.23	0.71	1.22	1.38	0.89	+13	−35	−15	+	5	−17	+	0	−20	−23	+	5	+	0										0	1.11
76103	15 32 34.11	−19 24 09.8	8.56	G	233.142 142 42	−19.402 725 99		3.84	−19.14	−8.56	1.08	0.55	1.16	1.31	0.90	−13	−	1	+	0	+	5	−	6	+	5	−	8	+	5	−16	+	8					0	−0.45
76104	15 32 34.33	−20 00 26.1	9.29	H	233.143 026 52	−20.007 236 88		3.95	−48.57	−6.92	1.62	0.76	1.59	2.30	1.27	+	4	−	8	−14	−25	−	9	−11	−18	−	7	−	8	+38									0	0.51
76105	15 32 35.86	+07 27 42.9	9.64	H	233.149 415 25	+07.461 922 57		2.85	−15.22	−13.08	1.52	1.03	1.70	2.36	1.62	+	4	−33	−12	−	7	−21	−	8	−22	+	3	+	3	+	9								0	−1.05
76106	15 32 36.71	−19 40 13.3	5.50	H	233.152 971 00	−19.670 363 66		14.39	−18.92	−39.51	0.78	0.44	0.82	0.99	0.67	−13	−24	+	1	+13	−	2	+	3	+	1	+	9	−	9	+17					0	0.90
76107	15 32 36.79	−52 21 19.4	10.97	G	233.153 311 52	−52.355 392 26		32.75	−95.08	−151.01	4.51	3.68	5.43	4.76	4.47	−	3	−21	−19	+	6	+14	−	8	+14	+	5	+	0	+	3						0	
76108	15 32 38.08	+21 02 56.9	8.86	H	233.158 680 61	+21.049 150 58		2.23	−12.72	0.84	1.00	0.86	1.25	1.14	1.17	−12	−21	−14	−24	−27	+17	−25	+	6	+	6	−36									0	−0.33
76109	15 32 38.70	−28 12 59.1	9.89	H	233.161 244 64	−28.216 405 52		0.47	−109.32	−11.61	1.66	0.96	1.91	1.87	1.32	−	9	−21	−24	+17	+	9	+22	+19	+	4	+10	+	3								0	0.69
76110	15 32 40.02	+52 18 59.7	9.70	G	233.166 766 06	+52.316 581 31		3.22	−14.78	12.88	0.87	0.86	1.03	0.96	1.03	+	0	−23	+	4	+	0	+	2	+19	+	0	+	2	+	5	+	5				0	0.93
76111	15 32 41.71	−03 27 50.7	9.74	H	233.173 802 74	−03.464 076 63		1.88	−32.41	−9.21	1.52	0.95	1.65	1.84	1.40	−	5	−34	−17	+26	−16	+	6	−14	+21	−	5	−11										0	−0.52
76112	15 32 42.20	+28 41 11.5	9.10	H	233.175 822 77	+28.686 535 55		6.11	−16.72	−15.78	0.70	0.93	1.41	0.79	1.06	+29	−14	−	2	−19	−	6	+	3	−	4	+	2	−	9	+30					0	0.08
76113 H	15 32 43.01	−57 24 27.9	7.28	G	233.179 196 07	−57.407 740 70	A	9.10	14.19	−13.27	1.23	1.17	1.43	1.91	1.83	−	9	−	4	−12	+26	+	6	−17	+	0	+39	+10	+	0						4	0.24
76114	15 32 43.66	+10 58 04.5	7.22	H	233.181 901 94	+10.967 913 67		32.35	−6.09	158.69	0.77	0.55	0.85	0.88	0.64	−	5	−17	−	4	+12	−26	−	5	−17	+	1	−36	−	8							0	0.41
76115	15 32 46.19	+38 39 40.7	10.15	H	233.192 474 67	+38.661 301 89		0.87	−6.37	−9.91	1.03	1.07	1.37	1.31	1.30	+18	+	7	+16	+26	+24	+24	+20	+18	−	6	+	8										0	0.75
76116	15 32 47.17	+30 29 45.0	8.67	H	233.196 553 49	+30.495 832 51		3.90	−33.71	5.66	0.61	0.76	1.10	0.67	0.89	+38	−	7	−17	−19	−10	−16	−13	−14	+	2	+32										1	2.70
76117	15 32 47.21	−17 55 44.8	9.16	H	233.196 703 42	−17.929 115 28	A	9.83	2.10	−11.70	2.52	1.35	2.42	2.30	1.99	−13	−39	+	2	+11	−12	−	3	−15	+25	+	4	−28										3	2.50
76118 H	15 32 48.18	+19 44 36.1	8.06	G	233.200 742 94	+19.743 365 79	*	9.20	−33.77	2.38	1.78	1.84	1.32	1.67	1.25	+	9	+	0	−	5	−47	−28	+	1	−25	−17	−	4	−	7						1	0.53
*76119 H	15 32 48.81	−33 57 49.0	9.40	H	233.203 362 21	−33.963 617 60	A	12.61	−86.23	−104.80	5.12	3.41	4.20	3.23	3.55	+	2	−26	−15	+	0	−	6	+	0	−	2	+10	−11	−57					0	−0.89
*76120	15 32 48.87	−00 28 13.5	10.18	H	233.203 641 18	−00.470 429 94		3.28	2.91	−6.79	1.34	0.94	1.53	1.57	1.24	−11	−22	−18	+21	−	4	+	8	−	2	−	1	−	4	−16							0	2.17
*76121	15 32 48.75	−48 10 21.0	9.82	H	233.203 130 06	−48.172 512 55		13.35	−106.73	−50.01	1.70	1.53	1.90	2.02	1.74	+24	−21	−31	+30	+34	+	2	+30	+15	−	3	+12										0	1.55
76122	15 32 49.15	−29 34 39.2	9.05	H	233.204 784 04	−29.577 542 63		6.29	−11.68	−18.23	1.23	0.87	1.36	1.22	1.17	−43	−	7	−	1	−18	+23	−13	+26	−20	+10	−42										5	0.74
76123	15 32 50.34	+10 39 38.0	8.94	H	233.209 760 91	+10.660 566 23		5.35	−57.77	−13.67	1.13	0.78	1.21	1.33	0.86	+	5	−14	−25	+10	−30	+12	−22	+	3	−28	−14										0	−1.01
76124	15 32 50.98	−17 45 52.2	9.78	H	233.212 398 28	−17.764 495 99		7.05	11.64	−106.32	1.43	0.74	1.49	1.66	1.35	−12	−17	+	3	+13	−	8	+14	−10	+19	−	8	−10										0	−0.42
76125	15 32 54.26	+52 21 46.8	9.85	H	233.226 073 80	+52.362 988 38		16.27	−179.61	234.38	0.93	0.98	1.13	1.06	1.21	−	3	−19	−12	+	4	+	1	+18	+	1	−	7	+14	−	4						0	0.25
76126	15 32 55.23	−16 51 10.1	5.53	H	233.230 115 45	−16.852 807 25		4.24	−10.66	−15.26	0.77	0.42	0.84	0.84	0.68	−11	−40	−	1	+17	−	1	+25	+	6	+25	−11	−15										0	0.10
76127 H	15 32 55.80	+31 21 33.0	4.14	G	233.232 483 09	+31.359 155 17	A	10.49	−19.62	−8.94	0.44	0.52	0.66	0.48	0.60	+34	−	8	−17	−16	−	7	+	4	−	6	−13	+14	+28							2	1.30
76128	15 32 56.53	+30 16 52.3	8.10	H	233.235 542 28	+30.281 188 79		5.09	−23.91	12.36	0.48	0.64	0.91	0.52	0.73	+33	−	9	−21	−22	−	5	−10	−	7	−11	+	6	+24							2	1.34
*76129 H	15 32 57.16	+05 30 32.2	9.24	H	233.238 186 44	+05.508 947 53	A	0.50	−20.81	11.67	3.25	1.84	3.54	3.28	2.82	−	4	−46	−11	+12	+15	+	9	+12	−10	+13	−29										4	0.82
*76130	15 32 56.90	+35 23 42.0	8.98	H	233.237 085 29	+35.394 995 62		14.90	−84.60	22.61	0.69	0.76	1.04	0.74	0.86	+	3	−	3	+19	−10	+	2	+	2	+	3	−	1	−	1	−11					0	1.06
*76131	15 32 57.04	+18 35 49.7	8.48	H	233.237 655 05	+18.597 145 25		10.78	−55.42	−84.57	0.79	0.78	1.15	0.97	1.08	−32	−	9	−10	−15	−32	+31	−34	+11	−	4	−44										0	−0.58
76132	15 32 57.29	−61 37 18.6	8.36	H	233.238 720 55	−61.621 834 37		0.71	−12.61	−16.66	0.79	0.77	1.20	1.01	1.10	+26	−	8	−10	+58	+42	−27	+40	+25	+	0	+12										0	−0.52
76133	15 32 57.95	−01 11 10.7	5.50	H	233.241 449 48	−01.186 299 29		12.06	−17.27	−41.17	0.62	0.45	0.72	0.70	0.60	−13	−34	−16	+13	−	5	+	3	−	4	+11	−	2	−24							0	0.10
76134	15 32 59.93	−17 14 49.2	7.84	H	233.249 707 45	−17.246 990 91		6.51	−48.32	−0.66	0.96	0.53	1.05	1.05	0.86	−	9	−32	−	3	+19	−	4	+26	+	4	+25	−18	−22							0	0.71
76135	15 33 01.00	+49 56 21.8	9.79	H	233.254 150 74	+49.939 397 67		6.33	−12.36	−30.22	0.87	0.94	1.04	1.01	1.15	+	7	+	3	+	7	−	1	+	0	+	4	+	0	+	3	+13	+19				0	0.37
76136	15 33 04.70	+16 00 43.5	6.56	H	233.269 599 50	+16.012 072 45		8.83	22.33	−14.50	0.69	0.60	0.87	0.80	0.85	−21	−	7	−14	−43	+	1	−13	−	2	−28	+26	−50									0	−0.24
76137	15 33 04.84	−58 11 38.4	8.78	G	233.270 183 74	−58.193 992 20		7.42	−42.56	−60.98	0.99	0.94	1.26	1.31	1.30	+	2	−	5	−13	+36	+15	−10	+12	+29	+23	−	1									0	−2.22
76138	15 33 06.34	−08 04 53.8	7.97	H	233.276 414 08	−08.081 616 45		7.43	−31.76	4.89	0.89	0.57	1.02	1.09	0.96	−37	−27	−10	+33	−26	+12	−27	+28	+	4	−44										2	1.84
76139	15 33 07.52	−29 39 35.2	9.01	H	233.281 321 50	−29.659 774 23		0.90	−11.86	5.26	1.33	0.84	1.54	1.32	1.17	−28	−14	−20	−19	+17	−18	+13	−18	+13	−31										0	1.23
76140	15 33 07.60	−25 48 02.9	7.27	H	233.281 658 02	−25.800 793 20		5.88	−39.13	−45.40	0.97	0.55	1.07	1.11	0.86	−13	−40	−	9	+	8	−14	+18	−16	+26	+	5	−	8								0	−0.33
76141	15 33 08.63	−39 05 59.3	8.98	H	233.285 967 10	−39.099 802 96		0.38	−14.01	−17.43	1.00	0.83	1.30	1.43	1.18	−29	−	5	−19	+23	+	1	+	1	−	2	+39	+	0	−15						0	1.27
76142	15 33 09.12	−36 24 18.2	9.98	H	233.288 018 04	−36.405 043 71		−1.68	5.30	1.40	1.59	1.19	1.81	2.20	1.72	−17	−10	−23	+	6	−15	−	5	−22	+31	−17	+10										0	1.62
*76143 H	15 33 09.53	−24 29 25.2	6.26	G	233.289 726 85	−24.490 341 96	A	9.84	−29.90	−37.28	1.72	0.92	1.23	1.93	1.34	+	1	−	9	−12	−42	−12	−	9	−24	−	6	+15	+10						17	−2.62
*76144	15 33 09.36	−58 11 54.9	8.71	G	233.289 012 14	−58.198 572 20		7.87	−43.33	−58.32	0.89	0.85	1.19	1.16	1.20	+	7	−	7	−26	+37	+14	−10	+	9	+21	+35	−	2							0	−0.49
76145	15 33 09.73	−50 43 55.2	10.69	H	233.290 532 52	−50.731 989 64		0.29	−8.12	−4.55	1.91	1.65	2.47	2.38	2.29	+	4	−23	−23	+27	+20	−	5	+23	+28	−	6	+	2							0	−0.30
76146	15 33 09.97	+73 07 56.6	10.90	H	233.291 549 78	+73.132 385 94		8.10	−24.44	68.07	1.30	1.29	1.45	1.20	1.39	+10	−34	−28	−17	−	9	+	8	−	6	−	2	−	4	+	0						0	1.08
76147	15 33 10.44	−74 20 50.4	8.97	G	233.293 505 21	−74.347 334 11		31.18	−61.88	−172.46	0.82	0.86	1.13	1.03	1.15	+15	−10	+	7	+10	+	3	+	2	+	0	+24	−	2	+30						0	0.20
76148 H	15 33 12.18	−44 43 02.2	9.81	H	233.300 747 24	−44.717 274 18	A	11.39	−68.07	−75.97	2.94	2.46	3.54	2.49	2.62	−33	−23	−14	−12	+	9	−36	+	6	−	2	−	9	−27						2	−0.77
76149	15 33 13.04	+24 14 05.3	8.87	H	233.304 336 65	+24.234 801 40		5.73	−22.58	38.61	0.82	1.04	1.37	1.05	1.33	−32	−11	+13	+31	−12	−21	−12	+	9	+21	−37										0	0.94
76150	15 33 13.40	−54 46 38.4	8.31	H	233.305 825 28	−54.777 342 88		10.26	48.70	−15.24	0.79	0.77	1.12	0.96	1.03	+	3	−28	−31	+19	+	6	−19	+	5	+29	−25	+17									0	0.53
76151	15 33 13.45	+05 31 12.4	9.83	H	233.306 039 60	+05.520 107 76		1.00	−12.24	12.21	1.54	1.04	1.93	1.67	1.61	−10	−46	−19	+13	+15	−	1	+	4	−14	+21	−37										0	0.91
*76152	15 33 16.51	−15 19 35.0	9.10	3 H	233.318 798 00	−15.326 387 73		−8.96	−17.76	−1.08	2.30	1.20	5.59	5.84	1.83	−	5	+64	+17	+70	+21	+95	−26	−17	−59	−60										0	0.12
*76153	15 33 15.21	−13 00 46.0	7.49	H	233.313 395 26	−13.012 774 87		4.04	−15.81	8.31	0.90	0.55	1.05	1.01	0.88	−21	−30	−14	+16	−	7	+11	+	1	+12	−19	−33										2	1.60
*76154	15 33 15.25	−73 32 37.6	7.65	H	233.313 537 60	−73.543 779 66		3.12	−8.40	−12.90	0.54	0.60	0.79	0.66	0.73	+13	+	0	+	2	−	5	+13	−13	+	6	+25	−	6	+37						0	−0.86
*76155	15 33 15.77	−23 27 54.2	8.24	H	233.315 698 98	−23.465 064 37		2.36	7.26	−1.17	1.00	0.68	1.27	1.28	1.19	−22	−16	−35	+	9	+	2	+	5	+	3	−	4	+24	−43						0	−0.80
*76156 H	15 33 15.90	+41 48 34.5	8.14	H	233.316 254 26	+41.809 569 61	*	19.21	−4.28	48.83	1.05	1.15	0.81	0.85	0.98	+	8	+13	−	7	−	7	−12	+	6	−	8	+13	−	6	−	9				1	−0.43
76157	15 33 17.01	+27 56 02.7	10.95	H	233.320 873 55	+27.934 070 97		−0.52	0.13	11.94	2.26	2.43	3.52	2.51	2.70	−	7	−13	+	2	+20	−15	−16	−15	+	8	−	7	−15	0							
76158	15 33 17.63	+13 05 48.7	8.57	H	233.323 470 63	+13.096 850 64		3.23	−10.52	22.88	1.05	0.77	1.12	1.06	0.96	−15	−38	+	3	+33	−	9	+	1	−11	+	4	−	6	−28					0	−0.49
76159	15 33 18.03	+03 19 22.4	7.37	G	233.325 104 47	+03.322 894 89		5.42	−20.68	−25.44	0.81	0.62	0.98	0.91	0.86	−11	−33	−27	+15	−16	+13	−	9	+17	−15	−37										0	0.75
76160	15 33 18.68	+38 27 28.7	8.68	H	233.327 834 85	+38.457 981 98		7.63	1.57	32.58	0.68	0.75	0.94	0.83	0.88	+	1	−15	+	9	+18	+13	+14	+13	+20	−11	−12										0	0.52
76161	15 33 18.91	−25 01 37.0	9.05	2 H	233.328 802 49	−25.026 948 76		−0.71	1.38	−0.64	1.29	0.69	1.30	1.82	1.22	−	2	−20	−18	−25	−16	+	7	−26	+	4	+	1	+23							0	−0.06
76162	15 33 19.07	−04 51 40.2	8.63	H	233.329 464 50	−04.861 159 52		5.88	−30.01	0.36	1.16	0.61	1.14	1.46	0.96	+	1	−16	−	2	+39	−	1	+	6	−	1	+11	+	5	+	3				0	1.85
76163	15 33 21.22	−50 34 59.1	8.65	H	233.338 431 41	−50.583 088 36		3.28	1.93	−11.77	0.95	0.91	1.32	1.14	1.22	−	6	−18	−34	+15	+	2	−	4	+	5	+28	−	7	−23						0	1.49
76164	15 33 23.42	+55 17 59.1	8.60	H	233.347 582 88	+55.299 757 65		1.79	22.67	1.40	0.67	0.67	0.74	0.72	0.75	+	4	−	8	−	2	−10	+	6	+12	+	6	−15	+	5	−	6				1	0.68
76165	15 33 24.29	−40 29 26.5	6.40	H	233.351 225 34	−40.490 698 92		5.34	40.10	−62.89	0.62	0.50	0.78	0.70	0.65	−20	−21	−13	+12	+	1	+	0	+	5	+29	−12	+19	0	−1.34							
76166	15 33 25.79	+79 11 51.3	8.55	H	233.357 439 66	+79.197 573 75		5.59	−9.02	−14.64	0.78	0.69	0.79	0.76	0.91	+	4	−31	−11	−29	−	7	+13	−14	+17	+	5	+14									0	−1.19
76167	15 33 26.55	+50 09 27.6	8.68	H	233.360 609 90	+50.157 671 43		6.79	−18.23	4.73	0.70	0.68	0.81	0.82	0.81	+13	−15	+	5	−	6	+	5	+16	+	2	+	1	+	9	+24					0	1.21
76168	15 33 27.04	−06 30 52.2	9.86	G	233.362 672 77	−06.514 501 55		7.07	−22.10	−11.60	1.47	0.85	1.61	1.72	1.30	−28	−40	+13	+26	−10	+	3	−13	+16	+10	−20										0	0.39
*76169	15 33 27.16	+11 46 30.2	8.74	H	233.363 168 89	+11.775 050 23		2.02	14.85	−49.82	1.18	0.79	1.28	1.51	0.90	+	8	−33	−11	+	6	−24	−	7	−24	−	5	+	6	−13						0	−0.59
*76170	15 33 27.11	−61 16 23.9	6.70	H	233.362 938 69	−61.273 306 00		6.30	−51.23	−39.41	0.50	0.51	0.74	0.59	0.71	+11	−17	−14	+47	+47	−23	+49	+	0	−	2	+	6										0	1.44
76171	15 33 29.10	−49 00 02.5	7.71	H	233.371 248 93	−49.000 687 96		4.34	−8.97	−9.33	0.80	0.82	1.15	0.96	1.21	−29	−17	−34	+12	−16	−20	−21	+36	−15	−47										0	1.50
76172	15 33 30.84	+02 46 37.8	12.11	2 H	233.378 494 43	+02.777 160 24		−3.73	−39.61	12.76	3.22	2.06	3.59	3.87	2.99	+	9	−34	−20	+21	−	4	+13	+	6	+16	−22	+	5							0	0.86
76173	15 33 32.13	+42 59 22.1	8.75	H	233.383 879 56	+42.989 473 24		7.64	−13.94	1.03	0.79	0.79	0.94	1.02	1.00	+12	−	8	−	2	+16	+18	−	2	+18	+29	−12	+	8							0	0.20
76174	15 33 32.46	−34 21 34.4	8.01	H	233.385 233 93	−34.359 564 24		3.46	−19.06	−19.10	0.95	0.68	1.07	0.95	0.87	−12	−34	−11	+	0	−15	+10	−11	+25	−10	−20										0	1.05
76175	15 33 33.03	−66 10 27.2	8.47	H	233.387 626 19	−66.174 224 70		9.64	−4.32	−44.32	0.49	0.67	1.01	0.51	0.78	+12	−	6	−	2	−10	−	5	−	7	−	7	+43	−	8	+17					0	−0.92
76176	15 33 33.16	+65 12 24.5	8.61	H	233.388 162 17	+65.206 804 67		6.86	−23.83	4.49	0.59	0.68	0.68	0.61	0.74	+14	−	4	−12	−	6	+	8	−18	+	7	+	1	+	2	+12					0	−0.02
76177 H	15 33 33.97	−67 20 20.4	7.81	H	233.391 525 45	−67.339 012 68	A	3.25	−12.20	−9.76	0.98	1.22	1.65	1.00	1.39	+39	−	8	+	7	−	8	−11	−12	−12	+	9	−	2	+34					2	1.34
76178	15 33 34.85	−84 36 31.3	9.02	G	233.395 216 25	−84.608 706 57		12.09	−108.85	−149.00	0.74	0.75	0.92	0.71	0.86	+17	−31	−	6	−	1	+	5	+	5	+	1	+16	+13	+18					0	1.33
76179	15 33 36.34	+53 04 52.1	8.30	H	233.401 417 28	+53.081 150 20		1.56	18.24	−20.86	0.70	0.70	0.80	0.83	0.89	−	1	+	3	−19	+	3	+16	−13	+18	−15	+20	+15							0	1.07
76180	15 33 36.93	+41 45 21.7	8.85	H	233.403 894 31	+41.756 024 68		1.82	−1.50	−5.10	0.64	0.69	0.83	0.80	0.85	+	8	+	4	−	6	+18	−	1	+	4	−	1	+20	−20	−	4				0	1.03
76181 H	15 33 37.17	−76 46 54.6	8.65	H	233.404 890 48	−76.781 845 81	*	5.87	−36.55	−23.50	2.68	2.73	1.06	0.88	1.05	+39	−	3	−	9	−	3	+10	−	8	+	6	+13	+22	+41					1	−0.08
76182	15 33 38.55	−05 13 20.7	9.87	G	233.410 617 69	−05.222 421 83		2.39	13.78	−28.96	1.65	0.99	1.87	2.32	1.58	−	7	−33	−10	+22	−	6	+	1	−10	+12	+18	+	4						4	−1.33
76183	15 33 38.88	−03 18 16.3	8.08	H	233.411 997 84	−03.304 527 42		2.12	−14.70	−17.92	1.01	0.60	1.16	1.23	0.92	−	3	−39	−16	+18	−	2	−10	−	8	−	1	+10	−12						0	1.00
76184 H	15 33 39.79	−70 06 37.9	8.63	H	233.415 802 95	−70.110 521 21	A	6.07	−26.81	−50.08	1.30	1.17	1.37	0.92	1.28	+26	−10	−	9	+	8	−	2	+	7	−	3	+27	−14	+30					2	−0.66
76185	15 33 40.35	+09 21 13.1	7.92	G	233.418 111 25	+09.353 643 77		7.43	−172.80	−71.65	0.94	0.64	0.96	1.04	0.81	+	7	−27	−17	+33	+	3	−	4	+	2	+12	−	2	−	1				0	−0.09
76186	15 33 40.57	+29 16 24.0	9.06	H	233.419 030 72	+29.273 347 09		15.21	43.46	−48.30	0.57	0.76	1.22	0.58	0.88	+42	−24	−19	−27	−	3	+17	+	3	+	9	+14	+28								0	1.35
*76187	15 33 41.03	+04 13 28.7	9.90	H	233.420 958 17	+04.224 639 62		5.13	36.64	−47.55	1.57	1.12	1.79	2.07	1.61	−17	−19	−	1	+25	+11	+	1	+	7	−25	−	7	−28	0						0	0.45
*76188	15 33 41.00	+19 59 23.4	8.95	H	233.420 820 11	+19.989 833 86		0.40	5.24	2.08	1.06	0.86	1.24	1.52	1.10	−	6	−16	+	5	−36	−43	+11	−39	+	3	+	7	−	9						2	1.31
76189	15 33 41.94	+23 26 38.3	8.41	H	233.424 741 30	+23.443 973 51		17.09	−61.37	−6.73	0.73	0.77	1.14	0.87	1.06	−30	−34	+10	+	6	−	4	−13	−	9	−10	+13	−41							0	0.10
76190	15 33 42.70	−32 01 56.7	9.23	H	233.427 932 16	−32.032 417 56		8.74	−63.64	−26.74	1.15	0.85	1.46	1.27	1.38	−10	−38	−26	+13	−	3	−29	−13	+14	+28	−57										0	0.90
76191	15 33 43.69	−35 21 56.0	9.29	H	233.432 023 96	−35.365 564 05		2.57	−10.52	−19.38	1.

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″		ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65		66	67	68-70
76101	10.635	0.047	10.109	0.047		0.548	0.020	G	0.62	0.02	H	10.1190	0.0030	0.021	81		10.08	10.15		C			1								G
76102	10.299	0.043	8.471	0.018		1.521	0.037	T	1.56	0.06	L	8.4024	0.0024	0.013	53		8.38	8.42					1								
76103	8.742	0.014	8.588	0.017		0.134	0.003	G	0.15	0.00	H	8.6036	0.0018	0.016	92		8.58	8.63		C			1								
76104	10.501	0.055	9.445	0.035		0.916	0.049	T	0.91	0.04	L	9.4466	0.0027	0.023	86		9.40	9.48					1								
76105	10.160	0.039	9.597	0.036		0.527	0.047	T	0.60	0.05	L	9.7574	0.0038	0.023	59		9.72	9.81		C			1								
76106	5.722	0.003	5.516	0.004		0.197	0.005	T	0.19	0.03	C	5.5580	0.0006	0.005	84		5.55	5.57					1								S
76107						1.790	0.200	G	1.93	0.25	K	11.0886	0.0056	0.040	75		11.01	11.15		C			1 X								G
76108	10.295	0.035	8.964	0.020		1.129	0.032	T	1.09	0.03	L	9.0270	0.0024	0.018	97		9.00	9.06		C			1								
76109	10.868	0.059	9.998	0.043		0.820	0.020	G	0.84	0.01	H	10.0399	0.0023	0.023	74		10.00	10.08		C			1								G
76110	10.182	0.030	9.681	0.029		0.420	0.015	G	0.49	0.02	H	9.7881	0.0031	0.024	110		9.74	9.82					1								
76111	11.504	0.116	9.745	0.039		1.495	0.101	T	2.34	0.33	K	9.7820	0.0033	0.026	70		9.74	9.82		C			1								
76112	10.411	0.025	9.224	0.015		1.017	0.023	T	0.99	0.02	L	9.2643	0.0017	0.025	176		9.21	9.31		C			1								
76113	7.651	0.013	7.263	0.011	*	0.359	0.015	G	0.42	0.02	H *	7.3502	0.0015	0.010	65	*	7.33	7.37		D	15327−5724	I 1	2 C	A	AB	295	5.574	0.008	1.75	0.03	S
76114	8.045	0.010	7.300	0.007		0.656	0.007	G	0.72	0.01	H	7.3602	0.0007	0.009	81		7.35	7.38		D			1								S
76115	11.491	0.072	10.245	0.038		1.063	0.064	T	1.03	0.05	L	10.3223	0.0031	0.026	119		10.27	10.37		C			1								
76116	9.994	0.015	8.786	0.010		1.033	0.014	T	1.01	0.01	L	8.8375	0.0015	0.019	204		8.81	8.87		C			1								S
76117	9.912	0.037	9.225	0.030	A	0.623	0.036	T	0.69	0.03	L	9.2933	0.0144	0.045	97	A	9.24	9.39		D	15328−1756	I 1	2 C	A	AB	328	14.568	0.021	1.81	0.08	
76118	8.675	0.011	8.115	0.010	*	0.500	0.023	G	0.57	0.02	H *	8.1736	0.0013	0.015	90	*	8.14	8.21		D	15328+1945	I 1	2 C	A	AB	354	0.228	0.005	0.03	0.12	S
76119	10.471	0.039	9.527	0.029	*	0.819	0.038	T	0.84	0.03	L *	9.5447	0.0016	0.017	75	*	9.51	9.57		D	15328−3358	I 1	2 C	A	AS	328	0.408	0.006	0.26	0.03	
76120	10.723	0.050	10.248	0.051		0.447	0.065	T	0.52	0.07	L	10.2800	0.0032	0.027	94		10.21	10.32					1								
76121	10.749	0.053	9.933	0.041		0.721	0.051	T	0.77	0.04	L	9.9596	0.0043	0.037	77		9.90	10.01					1 G								G
76122	10.063	0.029	9.140	0.021		0.817	0.027	T	0.84	0.02	L	9.1969	0.0023	0.016	72		9.17	9.23		C			1								
76123	9.507	0.023	9.008	0.023		0.469	0.030	T	0.54	0.03	L	9.0483	0.0023	0.016	72		9.02	9.07		C			1								S
76124	10.727	0.057	9.792	0.039		0.812	0.053	T	0.84	0.04	L	9.9273	0.0024	0.020	86		9.89	9.97		C			1								
76125	10.970	0.046	9.913	0.030		0.907	0.043	T	0.91	0.03	L	9.9997	0.0025	0.024	110		9.95	10.05		C			1								
76126	5.323	0.003	5.477	0.004		−0.148	0.056	G	−0.20	0.03	C	5.4646	0.0008	0.006	93		5.46	5.48					1								S
76127	4.003	0.002	4.141	0.002	*	−0.127	0.015	G	−0.12	0.03	C *	4.1120	0.0005	0.005	175	*	4.10	4.12		D	15329+3122	I 1	2 C	A	AB	201	0.752	0.004	2.41	0.02	S
76128	9.551	0.011	8.234	0.007		1.118	0.010	T	1.08	0.01	L	8.2720	0.0012	0.015	229		8.25	8.30		C			1								S
76129	9.618	0.034	9.203	0.038	*	0.392	0.047	T	0.46	0.05	L *	9.3294	0.0030	0.018	66	*	9.28	9.36		D	15329+0531	I 1	2 C	A	AB	253	6.723	0.009	1.02	0.03	
76130	9.726	0.017	9.050	0.014		0.625	0.018	T	0.69	0.02	L	9.1153	0.0021	0.023	164		9.08	9.15					1								
76131	9.326	0.013	8.564	0.011		0.695	0.013	T	0.75	0.01	L	8.6244	0.0013	0.016	133		8.59	8.67					1								S
76132	10.231	0.027	8.529	0.012		1.421	0.023	T	1.41	0.04	L	8.5042	0.0018	0.019	136		8.48	8.54					1								
76133	6.921	0.005	5.628	0.004		1.092	0.005	G	1.05	0.01	H	5.6725	0.0008	0.006	90		5.66	5.68		C			1								S
76134	8.359	0.012	7.883	0.012		0.448	0.015	T	0.52	0.02	L	7.9358	0.0015	0.011	93		7.92	7.95		C			1								S
76135	10.662	0.041	9.872	0.033		0.717	0.041	T	0.77	0.03	L	9.9376	0.0029	0.025	118		9.90	9.97		C			1								
76136	8.184	0.011	6.697	0.005		1.260	0.015	G	1.22	0.02	H	6.7179	0.0010	0.009	96		6.71	6.73		C			1								S
76137	9.266	0.023	8.782	0.022		0.444	0.005	G	0.51	0.01	H	8.8913	0.0026	0.015	75		8.86	8.92			15331−5812	I 2	1								
76138	8.281	0.009	7.980	0.012		0.286	0.014	T	0.33	0.02	L	8.0444	0.0012	0.010	92		8.03	8.06					1								S
76139	11.443	0.098	9.215	0.025		1.839	0.081	T	1.87	0.08	L	9.1067	0.0030	0.021	68		9.08	9.16					1								
76140	9.345	0.021	7.459	0.009		1.567	0.018	T	1.59	0.02	L	7.3906	0.0015	0.010	70		7.37	7.41		C			1								S
76141	10.467	0.037	9.085	0.020		1.169	0.033	T	1.13	0.03	L	9.1405	0.0022	0.018	88		9.11	9.17		C			1								
76142	11.773	0.128	10.161	0.049		1.350	0.108	T	1.32	0.13	L	10.1352	0.0027	0.020	65		10.11	10.17					1								G
76143	7.381	0.007	7.051	0.008	−	0.330	0.042	G	0.38	0.06	R *	6.3415	0.0010	0.010	80	−	6.33	6.37		D	15332−2429	I 1	3 C	B							S G
76144	9.186	0.020	8.659	0.019		0.444	0.005	G	0.51	0.01	H	8.8128	0.0022	0.015	81		8.79	8.84		C	15331−5812	I 2	1								
76145	11.284	0.092	10.733	0.090		0.584	0.072	G	0.66	0.07	R	10.8169	0.0055	0.037	83		10.75	10.88					1								G
76146	12.004	0.131	10.766	0.067		1.057	0.115	T	1.02	0.09	L	11.0320	0.0043	0.040	103		10.94	11.11		C			1								G
76147	10.237	0.024	9.060	0.015		1.010	0.008	G	1.05	0.01	I	9.1134	0.0021	0.024	139		9.08	9.15					1								
76148	10.921	0.068	10.098	0.051	*	0.726	0.065	T	0.78	0.05	L *	9.9436	0.0023	0.017	96	*	9.92	9.98		D	15332−4443	I 1	2 C	A	AB	339	0.907	0.006	0.23	0.03	G
76149	9.478	0.017	8.936	0.016		0.508	0.021	T	0.58	0.02	L	8.9862	0.0028	0.020	98		8.95	9.03					1								S
76150	9.406	0.019	8.412	0.014		0.870	0.018	T	0.88	0.01	L	8.4705	0.0018	0.015	85		8.45	8.49		C			1								
76151	10.191	0.037	9.867	0.042		0.308	0.052	T	0.35	0.07	L	9.9056	0.0020	0.025	63		9.87	9.96		C			1								
76152						1.500	0.510	G	2.91	1.20	Q	9.0310	0.3788	0.961	36		7.91	10.28	312.90	P 1 B			1								G P
76153	9.100	0.016	7.632	0.009		1.237	0.014	T	1.20	0.01	L	7.6482	0.0013	0.008	85		7.64	7.66		D	15333−1301	I 1	1	S							S
76154	9.488	0.021	7.806	0.010		1.405	0.018	T	1.38	0.02	L	7.7947	0.0015	0.015	169		7.77	7.82					1								
76155	10.151	0.033	8.430	0.015		1.436	0.029	T	1.43	0.05	L	8.3838	0.0020	0.012	80		8.36	8.41		C			1								
76156	9.015	0.011	8.221	0.009	*	0.720	0.011	T	0.77	0.01	L *	8.2823	0.0016	0.016	156	*	8.26	8.31		D	15333+4149	I 1	2 C	A	AB	34	0.284	0.005	1.27	0.07	S
76157						1.215	0.197	G	1.17	0.19	R	11.1159	0.0056	0.041	116		11.05	11.22					1 X								G
76158	10.000	0.030	8.696	0.018		1.108	0.027	T	1.07	0.03	L	8.7367	0.0021	0.015	65		8.70	8.76		C			1								S
76159	8.816	0.013	7.500	0.008		1.118	0.012	T	1.20	0.02	L	7.5354	0.0014	0.010	84		7.52	7.57					1								S
76160	9.215	0.014	8.718	0.014		0.467	0.018	T	0.54	0.02	L	8.7806	0.0019	0.020	133		8.75	8.81		C	15333+3827	I 1	1								S
76161	9.030	0.016	9.083	0.021		−0.044	0.024	T	−0.02	0.02	L	9.0411	0.0079	0.177	79		8.98	9.51	2.27	P 1 A			1								
76162	9.310	0.018	8.707	0.017		0.621	0.015	G	0.69	0.01	H	8.7637	0.0020	0.015	82		8.74	8.79		C			1								
76163	10.230	0.034	8.793	0.018		1.212	0.030	T	1.17	0.03	L	8.8119	0.0020	0.015	85		8.79	8.83					1								
76164	10.067	0.022	8.734	0.013		1.131	0.020	T	1.09	0.02	L	8.7734	0.0017	0.013	113		8.75	8.80		C			1								
76165	7.695	0.007	6.509	0.005		1.016	0.007	T	0.99	0.01	L	6.5648	0.0010	0.009	93		6.55	6.58					1								S
76166	9.236	0.014	8.599	0.013		0.591	0.015	G	0.66	0.01	H	8.6769	0.0015	0.014	98		8.66	8.71		C			1								
76167	9.255	0.014	8.736	0.013		0.487	0.017	T	0.56	0.02	L	8.7854	0.0017	0.015	114		8.76	8.82					1								S
76168	10.698	0.051	10.002	0.044		0.707	0.015	G	0.76	0.01	H	9.9974	0.0030	0.022	86		9.96	10.03		C			1								
76169	9.970	0.035	8.826	0.022		0.983	0.032	T	0.96	0.03	L	8.9030	0.0025	0.022	68		8.87	8.94		C			1								
76170	6.879	0.003	6.716	0.004		0.149	0.005	T	0.16	0.01	L	6.7504	0.0007	0.009	176		6.74	6.77					1								S
76171	9.208	0.017	7.848	0.010		1.152	0.015	T	1.11	0.01	L	7.8740	0.0016	0.012	86		7.85	7.90					1								
76172											T	12.1904	0.0567	0.233	64		11.71	12.43	0.58	P 1 A			1								D
76173	9.271	0.013	8.798	0.013		0.446	0.017	T	0.52	0.02	L	8.8511	0.0021	0.019	130		8.81	8.88		C			1								S
76174	8.424	0.011	8.031	0.011		0.384	0.013	T	0.45	0.01	L	8.0960	0.0013	0.009	73		8.07	8.12		C			1								S
76175	9.009	0.014	8.534	0.014		0.460	0.015	T	0.53	0.02	L	8.5751	0.0016	0.020	255		8.54	8.61					1								
76176	8.904	0.011	8.639	0.012		0.252	0.015	T	0.28	0.02	L	8.6852	0.0017	0.015	122		8.66	8.71					1								S
76177	8.115	0.006	7.855	0.007	A	0.200	0.495	G	0.26	0.02	L *	7.8796	0.0011	0.015	236	*	7.86	7.91		D	15336−6720	I 1	2 C	B	AB	84	3.830	0.039	3.50	0.14	S
76178	9.673	0.016	9.083	0.015		0.548	0.003	G	0.62	0.00	H	9.1276	0.0021	0.020	129		9.09	9.18					1								
76179	10.018	0.023	8.469	0.011		1.300	0.020	T	1.26	0.02	L	8.4558	0.0016	0.015	122		8.43	8.49		C			1								
76180	10.080	0.022	8.962	0.014		0.963	0.020	T	0.95	0.02	L	9.0187	0.0017	0.015	138		9.00	9.05		C			1								
76181	9.493	0.015	8.728	0.012	*	0.682	0.014	T	0.74	0.01	L *	8.7879	0.0017	0.018	158	*	8.76	8.82		C	15336−7647	H 1	2 C	C	AB	28	0.201	0.056	2.20	0.96	
76182	11.163	0.072	9.947	0.039		1.036	0.015	G	1.01	0.01	H	10.0289	0.0023	0.024	81		9.98	10.07		C			1								
76183	9.817	0.029	8.221	0.015		1.337	0.026	T	1.30	0.03	L	8.2340	0.0012	0.013	73		8.21	8.26		D			1								
76184	9.109	0.010	8.660	0.010	*	0.424	0.013	T	0.49	0.01	L *	8.7279	0.0017	0.020	184	*	8.70	8.76			15337−7007	H 1	2 C	A	AB	86	0.535	0.016	2.94	0.09	
76185	8.570	0.013	7.989	0.012		0.574	0.015	G	0.65	0.01	H	8.0299	0.0014	0.010	68		8.01	8.05		C			1								S
76186	9.807	0.012	9.127	0.010		0.629	0.013	T	0.70	0.01	L	9.1906	0.0016	0.024	272		9.15	9.23					1								
76187	10.441	0.041	9.925	0.042		0.485	0.053	T	0.56	0.06	L	10.0069	0.0025	0.027	75		9.95	10.06					1								
76188	10.800	0.041	9.102	0.017		1.418	0.035	T	1.40	0.06	L	9.0908	0.0022	0.024	92		9.05	9.13					1	S							
76189	9.147	0.015	8.486	0.013		0.613	0.017	T	0.68	0.01	L	8.5450	0.0017	0.016	115		8.52	8.57					1								S
76190	9.734	0.025	9.290	0.025		0.433	0.028	T	0.50	0.03	L	9.3241	0.0017	0.015	72		9.29	9.35					1								
76191	11.586	0.101	9.494	0.026		1.731	0.083	T	1.76	0.09	L	9.3961	0.0034	0.021	72		9.36	9.43		C			1	S							
76192	10.904	0.052	10.379	0.054		0.493	0.068	T	0.57	0.07	L	10.3430	0.0048	0.035	92		10.28	10.42					1								G
76193	10.547	0.044	8.579	0.016		1.632	0.037	T	1.65	0.04	L	8.4942	0.0021	0.021	81		8.45	8.53					1								S
76194	10.018	0.032	9.556	0.032		0.435	0.041	T	0.50	0.04	L	9.5991	0.0025	0.024	70		9.54	9.64					1								
76195	10.428	0.035	8.827	0.017		1.341	0.031	T	1.31	0.04	L	8.8124	0.0021	0.015	69		8.78	8.84		C			1								
76196	7.775	0.020	7.457	0.014	A	0.600	0.510	G	0.38	0.06	L *	7.4012	0.0034	0.203	91	*	7.37	8.94	2.81	P 1 A	15339+6354	I 1	2 C	A	AB	24	3.306	0.009	2.37	0.05	S
76197	9.299	0.018	8.389	0.013		0.807	0.017	T	0.83	0.01	L	8.4357	0.0025	0.017	88		8.41	8.47		C			1								
76198	6.871	0.006	6.532	0.006		0.341	0.015	G	0.40	0.02	H	6.5748	0.0011	0.009	82		6.56	6.59					1								S
76199	7.932	0.006	7.825	0.010		0.104	0.011	T	0.12	0.01	L	7.8403	0.0011	0.013	162		7.81	7.87					1								S
76200	8.870	0.013	8.033	0.011		0.717	0.004	G	0.77	0.00	H	8.0982	0.0013	0.010	72		8.08	8.12		C			1								S

Number	Descriptor: epoch J1991.25					Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V			α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag			deg	deg		mas	mas/yr		mas		mas	mas/yr											%	
1 2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
76201	15 33 54.82	−25 06 37.7	7.62		G	233.478 426 11	−25.110 463 48		11.47	−46.95	−14.98	0.98	0.57	1.04	1.37	0.92	− 3	−22	−15	+ 2	−12	+26	−13	+13	+ 3	+21	0	−0.27
76202	15 33 54.83	+37 54 50.4	11.37		G	233.478 453 82	+37.913 997 20		34.28	−0.91	−80.34	1.25	1.42	1.81	1.52	1.71	− 2	+ 0	− 1	− 4	− 4	+11	− 1	+ 8	−22	−28	4	0.88
76203 H	15 33 56.85	−17 00 05.4	8.14		G	233.486 891 19	−17.001 490 91	A	26.47	−93.94	−323.82	2.21	1.22	2.10	2.25	1.99	− 1	−10	− 5	+28	− 3	+11	− 2	+19	+ 2	−44	1	−0.02
76204	15 33 58.72	+20 57 26.7	10.21		H	233.494 678 36	+20.957 424 38		10.49	−174.27	49.34	1.39	1.32	1.84	1.77	1.79	− 2	−15	−25	−24	−41	+16	−29	+16	+12	−41	0	−0.08
76205	15 33 59.70	−25 40 14.8	9.24		H	233.498 743 40	−25.670 764 04		9.76	−9.93	−81.02	1.39	0.70	1.40	1.85	1.20	+ 2	−27	−15	− 3	− 6	+12	− 9	+11	+ 3	+23	0	−0.33
76206	15 34 00.66	−43 09 06.0	10.72		H	233.502 759 76	−43.151 676 34		1.50	−0.93	−2.76	1.76	1.41	2.22	1.96	1.94	−23	−17	−10	+ 8	+ 0	− 2	+ 5	+24	−15	−26	0	−0.67
76207	15 34 01.74	−40 03 58.9	5.82	2	H	233.507 239 30	−40.066 348 57		1.97	−39.18	−34.50	0.64	0.51	0.88	0.76	0.68	−16	−18	−24	+12	+ 0	−18	− 2	+35	−14	−16	0	−1.76
76208	15 34 02.37	+40 30 58.6	9.27		H	233.509 855 97	+40.516 264 67		3.38	−23.44	11.86	0.87	0.90	1.12	1.07	1.06	+18	− 4	+ 0	−19	−19	+ 6	−18	− 6	− 4	+19	0	−0.28
76209	15 34 03.47	−14 13 46.2	7.25		G	233.514 440 47	−14.229 489 23		8.39	30.72	−14.51	1.03	0.50	1.17	0.91	0.75	−11	−63	− 9	+13	+ 7	+ 9	+26	+ 6	−26	−19	0	1.28
76210	15 34 03.58	−66 56 04.4	8.54		H	233.514 932 60	−66.934 550 04		1.89	−5.67	−12.88	0.51	0.63	1.04	0.57	0.80	+31	− 9	+ 9	− 8	− 7	−10	− 6	+18	−12	+34	0	−0.10
76211	15 34 05.54	−14 52 06.7	8.53		H	233.523 095 33	−14.868 532 80		4.62	−4.99	−17.16	1.03	0.60	1.15	1.24	0.95	−13	−31	− 3	+15	+ 5	+17	+15	+ 7	−22	− 7	0	−0.13
76212	15 34 05.93	+03 55 09.6	10.27		H	233.524 710 74	+03.919 335 04		3.52	−25.01	12.96	1.42	1.16	1.74	1.64	1.52	−23	−27	−20	+ 8	+ 6	− 3	+ 2	−18	+ 8	−36	0	1.90
76213	15 34 05.94	−43 43 32.4	8.93		H	233.524 753 46	−43.725 658 64		3.72	−25.51	−21.63	1.06	0.85	1.29	1.24	1.08	−19	−22	−11	+21	+ 7	− 8	+ 8	+28	− 8	−13	0	−0.59
76214	15 34 07.55	+60 19 29.5	8.82		H	233.531 439 10	+60.324 848 83		6.11	−34.87	14.26	0.67	0.71	0.76	0.68	0.82	+11	−21	− 3	−23	−19	+ 8	−18	−13	+ 3	−12	0	0.80
76215	15 34 09.11	+56 21 13.6	8.16	2	H	233.537 968 51	+56.353 774 02		0.66	5.87	0.63	0.60	0.58	0.67	0.62	0.64	+ 4	− 7	−10	−19	+ 0	− 5	+ 3	− 4	− 1	−15	5	0.71
76216	15 34 09.57	−21 18 40.6	8.15		H	233.539 862 07	−21.311 267 75		8.47	5.59	0.47	1.14	0.58	1.23	1.86	0.94	−11	+13	−15	−40	+ 5	−39	− 7	−16	+ 4	+18	0	0.07
76217	15 34 10.12	−33 10 16.6	6.98		H	233.542 177 72	−33.171 271 96		8.42	−36.10	−31.34	0.77	0.64	0.88	0.95	0.89	−26	−22	−15	+31	−25	+21	−20	+45	+ 1	−44	0	−0.33
76218	15 34 10.45	+22 32 40.8	9.73		H	233.543 527 74	+22.544 656 86		1.37	−9.69	7.14	0.88	1.09	1.64	1.08	1.44	−23	− 6	+ 7	+40	+17	+ 2	−45	+ 2	+22	−32	0	0.50
76219	15 34 10.52	−10 03 50.3	4.61		H	233.543 832 19	−10.063 959 62		34.54	305.62	−234.12	0.73	0.48	0.78	0.87	0.65	−21	−26	− 7	+22	− 9	+ 9	− 2	+18	−16	−12	0	0.57
76220	15 34 13.05	−04 44 31.6	9.15		G	233.554 356 66	−04.742 114 21		9.70	−104.93	−42.28	1.33	0.71	1.35	1.74	1.14	− 1	−12	−11	+38	+ 1	+ 3	+ 1	+ 3	+ 5	− 4	0	0.53
76221	15 34 13.25	+23 38 17.1	8.84		H	233.555 191 81	+23.638 074 44		9.46	−21.89	−7.43	0.70	0.84	1.26	0.89	1.19	−26	−20	− 1	+29	+ 1	−20	− 5	− 6	+20	−36	0	0.12
76222	15 34 14.30	−46 57 12.7	9.07		H	233.559 566 44	−46.953 525 63		6.59	−62.58	−40.16	1.01	0.74	1.18	1.09	0.94	− 8	−32	− 7	+ 9	+17	− 8	+17	+13	+ 1	− 3	0	−0.53
76223	15 34 14.51	−60 48 28.2	7.18		H	233.560 459 01	−60.807 839 82		8.14	−24.92	−36.75	0.57	0.55	0.87	0.68	0.78	+16	−18	−13	+46	+43	−25	+47	+13	− 3	+15	3	1.41
76224	15 34 15.57	+06 26 25.7	10.99		H	233.564 892 89	+06.440 460 12		3.73	−29.50	12.76	2.20	1.62	2.59	2.76	2.37	− 8	−33	−23	+17	− 6	− 7	− 9	+ 9	+ 4	−33	2	−1.04
76225	15 34 15.72	−42 22 13.2	10.70		H	233.565 509 72	−42.370 321 88		3.14	−0.70	−8.96	1.99	1.59	2.37	2.20	2.22	−19	−23	−25	+14	−16	− 5	−13	+40	− 5	−36	2	1.45
76226	15 34 16.23	−33 56 25.3	9.55		G	233.567 643 81	−33.940 349 00		6.14	−48.26	58.02	1.32	0.94	1.48	1.32	1.31	−10	−44	−13	+11	−22	− 5	−22	+33	+ 6	−34	0	0.09
76227	15 34 16.32	−39 45 24.7	12.25		H	233.567 983 99	−39.756 853 08	B	−4.58	14.64	−17.59	75.41	56.96	48.73	50.46	45.53	−23	−19	− 2	+ 2	− 6	−26	− 7	+23	− 1	−22	1	0.28
76228	15 34 16.97	−02 43 25.4	8.74		G	233.570 726 80	−02.723 717 26		15.02	−93.23	−144.53	1.16	0.64	1.26	1.36	0.92	+ 7	−47	−12	+ 2	− 7	+12	− 3	+ 0	− 5	+ 4	2	−1.68
76229	15 34 17.23	−39 45 19.7	9.25		H	233.571 781 94	−39.755 467 91	A	1.23	2.20	−11.33	2.95	2.37	2.84	3.31	2.91	−22	−21	− 4	+14	− 8	−17	− 8	+36	− 6	−16	1	0.28
76230	15 34 18.25	−68 36 49.2	7.73		H	233.576 030 84	−68.613 666 00		9.00	−79.90	−90.02	0.42	0.60	0.82	0.50	0.75	+26	− 5	+ 6	− 1	+12	− 1	+13	+ 2	+ 3	+38	0	−0.40
76231	15 34 20.15	−64 24 57.7	10.26	2	H	233.583 977 58	−64.416 037 46		5.18	−5.05	−6.30	2.84	3.20	4.52	3.48	4.02	+ 1	−23	− 6	+11	+18	− 9	+19	+16	−12	+14	0	
76232	15 34 20.39	−30 46 51.5	9.56		H	233.584 955 89	−30.780 970 38		4.30	−2.07	−1.65	1.29	0.88	1.45	1.55	1.41	−31	+ 5	− 9	− 4	+ 9	−14	+11	− 2	+ 5	−29	0	−0.48
76233	15 34 20.86	−05 41 42.4	6.52	1	H	233.586 927 75	−05.695 106 89		39.78	−91.99	5.35	0.75	0.48	0.83	1.03	0.71	−18	−21	− 2	+23	−12	+12	−12	+19	+ 4	− 1	0	0.72
76234	15 34 20.87	−39 20 56.8	6.36		H	233.586 972 77	−39.349 119 22		8.95	−28.22	−37.49	0.61	0.52	0.81	0.75	0.68	−27	− 9	−22	+ 8	− 4	− 8	− 7	+33	− 6	−22	0	1.27
76235	15 34 21.37	+23 12 36.8	8.32		H	233.589 036 52	+23.210 209 76		3.69	6.70	−11.64	0.68	0.77	1.14	0.87	1.13	−28	−24	+ 6	+20	− 2	−18	−12	−21	+16	−46	0	0.86
*76236	15 34 22.74	−57 04 23.1	7.11		H	233.594 749 80	−57.073 071 33		3.69	−18.57	−17.56	0.74	0.64	0.94	1.04	1.01	+ 0	+ 7	−18	−17	− 2	−29	− 9	− 2	+ 2	− 1	0	2.21
*76237	15 34 22.65	+48 18 41.2	11.29		H	233.594 370 73	+48.311 433 70		3.54	11.38	−32.71	1.52	1.46	1.78	1.82	1.60	+ 6	+ 7	+11	− 8	− 9	+ 6	− 8	+ 2	− 6	− 8	0	−0.41
76238	15 34 23.14	+60 55 18.0	9.27		H	233.596 413 40	+60.921 662 06		5.73	18.09	3.06	0.78	0.88	0.90	0.87	1.07	− 1	−13	−19	+ 5	−29	+ 9	−30	+ 8	− 1	−26	1	−0.38
76239	15 34 23.23	+76 27 02.7	7.65		H	233.596 810 04	+76.450 743 93		3.04	7.70	2.75	0.52	0.52	0.57	0.60	0.63	− 3	−15	−18	−16	+ 4	+ 1	+ 8	+ 1	−14	−16	1	0.22
76240	15 34 23.95	+06 35 31.4	9.69		H	233.599 800 57	+06.592 065 68		0.57	−3.05	1.90	1.39	1.09	1.61	1.70	1.57	−21	−22	−13	+13	+ 0	− 7	+ 1	+ 2	−14	−34	0	−2.10
76241	15 34 25.74	−00 05 47.5	9.41		H	233.607 245 63	−00.096 533 27		3.83	25.62	−14.51	1.35	0.96	1.56	1.86	1.42	−21	−16	−10	+34	−12	+14	− 9	+17	+ 7	− 8	0	−0.18
76242 H	15 34 26.25	+32 01 01.2	8.71		H	233.609 389 63	+32.016 999 76	A	3.47	0.96	14.86	0.98	1.09	1.43	1.06	1.25	+31	− 3	− 4	−10	−10	−11	−13	−12	+ 8	+30	1	−0.32
76243	15 34 26.53	−09 11 00.1	5.16	1	G	233.610 551 53	−09.183 349 68		9.30	−32.01	−27.31	0.77	0.48	0.86	0.94	0.74	−33	−32	+ 1	+28	−19	+18	+28	+25	+ 0	−25	0	0.17
76244	15 34 26.61	−59 48 03.1	8.14		H	233.610 894 86	−59.800 861 26		5.88	−20.59	−27.98	0.81	0.77	1.12	0.89	1.00	+14	−32	−35	+15	+ 7	−22	− 1	+24	+11	−10	4	0.69
76245	15 34 27.76	−06 53 16.4	9.75		G	233.615 680 40	−06.887 894 58		1.33	−4.88	−2.44	1.61	0.86	1.86	1.87	1.14	−15	−54	+ 3	+48	+ 1	−28	− 4	+ 6	+ 2	− 8	4	−0.48
76246	15 34 29.44	−01 27 00.9	8.97		H	233.622 683 28	−01.450 252 92		1.38	−30.00	−5.25	1.10	0.74	1.22	1.21	1.03	− 4	−34	−20	+19	−13	− 5	−14	+22	− 1	−25	0	2.43
76247	15 34 30.25	−19 03 15.1	9.01		H	233.626 050 36	−19.054 190 22		1.80	2.88	−6.88	1.26	0.76	1.36	1.54	1.24	−21	− 8	+ 4	+22	−15	+20	−18	+31	−21	−14	0	−0.19
76248	15 34 30.49	−56 31 09.7	8.62		H	233.627 025 86	−56.519 357 71		1.84	−5.69	−8.08	0.87	0.79	1.18	1.38	1.22	+10	+ 8	− 5	+ 5	+ 2	−27	− 3	+19	−11	+34	0	−0.02
76249	15 34 31.21	−02 56 30.1	8.31		G	233.630 051 58	−02.941 699 55		9.83	−30.52	−2.42	0.98	0.58	1.12	1.13	0.86	+ 0	−44	−13	+11	− 6	+ 9	− 5	+ 6	+ 1	− 6	0	−0.84
76250 H	15 34 31.58	+03 07 29.2	9.90		H	233.631 567 19	+03.124 789 24	A	5.97	6.99	−21.92	8.22	4.88	4.62	8.58	4.41	−46	−30	− 6	+ 9	− 2	+ 6	+ 8	− 2	−17	+13	1	0.84
76251	15 34 31.63	+04 43 50.4	7.04		H	233.631 784 81	+04.730 667 98		11.38	−40.63	−10.40	0.79	0.61	0.93	0.91	0.91	−14	−30	− 9	+31	+24	−13	+11	−21	+28	−32	2	−0.24
76252 H	15 34 33.08	−43 27 34.3	8.46		G	233.637 838 40	−43.459 536 86	A	1.24	−6.27	−10.10	1.47	1.14	1.50	1.71	1.42	− 3	−12	−16	+27	+15	+ 5	+21	+28	− 4	+ 6	2	0.60
76253	15 34 34.00	−24 58 19.5	9.38		H	233.641 677 15	−24.972 077 61		−1.24	−25.99	−21.33	1.66	0.92	1.78	2.73	1.72	− 5	+ 2	−31	−17	− 9	+10	−13	− 2	+15	+26	0	−0.87
76254	15 34 34.13	−65 06 11.1	8.59	2	H	233.642 199 11	−65.103 076 99		0.37	−11.60	−21.18	0.67	0.89	1.06	0.81	1.10	− 5	−14	−13	+13	− 1	− 7	+ 3	+41	− 5	−20	1	1.64
76255	15 34 34.55	+44 54 51.6	8.48		H	233.643 955 61	+44.914 339 27		6.67	61.15	−46.11	0.85	0.79	0.95	1.03	0.97	+10	−10	−15	+11	−31	+ 8	−31	+10	− 4	−20	0	−0.44
76256	15 34 36.12	+67 48 21.0	6.98		H	233.650 512 20	+67.805 847 22		20.77	25.14	−146.78	0.67	0.70	0.75	0.70	0.80	+ 8	−18	−13	−23	+ 0	− 6	+ 3	+ 2	−21	+ 4	0	
76257	15 34 36.39	+13 00 20.6	9.32		H	233.651 605 73	+13.005 724 11		5.78	−25.48	−21.58	1.17	0.99	1.29	1.64	1.53	−13	−12	+ 0	+34	+17	−15	−12	−36	+ 9	−56	0	2.93
76258	15 34 36.99	−11 51 03.2	9.22		H	233.654 123 19	−11.850 876 75		1.73	−6.13	−24.67	1.25	0.79	1.49	1.44	1.22	−24	−24	−22	+15	− 6	+19	+ 1	+ 9	− 6	−39	0	0.21
76259	15 34 37.31	−28 02 48.9	5.13		G	233.655 456 05	−28.046 907 34		8.84	16.72	−31.22	0.94	0.61	1.02	2.19	1.34	+20	−37	−13	+48	+42	+16	+51	+38	−37	+36	0	2.33
76260	15 34 37.63	−42 47 31.4	9.87		H	233.656 801 41	−42.792 050 88		3.36	−50.86	5.04	1.24	1.04	1.53	1.56	1.51	−31	−12	+ 1	+22	− 3	− 6	+ 0	+35	− 7	−27	0	−0.22
76261	15 34 37.69	+18 14 29.5	8.36		H	233.657 057 18	+18.241 537 36		1.82	−26.74	−2.10	0.87	0.81	1.11	1.00	0.99	−29	−18	−23	+ 0	−30	+22	−24	+20	− 7	−49	0	0.70
76262	15 34 38.45	+44 54 25.3	8.39		H	233.660 205 12	+44.907 033 17		3.28	−10.13	25.64	0.78	0.75	0.90	0.97	0.95	− 2	+ 2	− 8	+14	−26	+ 4	−28	+10	− 5	−26	0	−0.60
76263	15 34 39.02	+00 02 24.0	9.72		H	233.662 591 60	+00.040 013 87		5.39	−4.54	2.06	1.55	1.09	1.72	1.96	1.59	−20	−13	+ 2	+29	+ 4	+ 7	+ 9	− 8	−11	−15	0	0.27
76264	15 34 39.33	−41 43 59.8	8.60		H	233.663 866 45	−41.733 284 67		4.37	−17.29	−13.71	0.81	0.71	1.03	0.95	1.03	−31	−16	−15	+11	− 3	− 5	+ 3	+27	−12	−42	0	−2.07
76265	15 34 39.55	+27 16 17.1	9.11		H	233.664 802 22	+27.271 426 42		4.27	6.47	−16.17	0.92	0.88	1.51	0.94	1.06	− 3	−13	+ 3	+49	− 8	−13	−11	+32	− 8	−26	0	0.06
76266	15 34 40.16	+34 07 20.0	9.60		H	233.667 318 84	+34.122 216 07		3.05	−19.52	4.82	0.69	0.89	1.16	0.89	1.09	+ 1	+ 0	+11	+14	+14	− 6	+14	+12	− 4	−15	0	1.21
76267	15 34 41.19	+26 42 53.7	2.22	2	G	233.671 622 93	+26.714 910 41	+	43.65	120.38	−89.44	0.54	0.50	0.79	0.55	0.52	−14	−26	−16	+23	−27	+ 5	−29	+19	− 2	−21	1	−0.22
76268	15 34 41.92	−22 46 16.4	9.59		H	233.674 684 01	−22.771 224 08		2.79	−2.90	2.74	1.26	0.75	1.49	1.39	1.10	−20	−32	−20	− 7	+16	+ 8	+14	−21	+19	−22	0	−0.59
76269	15 34 43.33	−08 06 56.4	8.35		H	233.680 525 87	−08.115 673 06		7.97	−18.61	−12.75	1.00	0.60	1.18	1.19	1.01	−51	−33	+13	+34	−25	+ 9	−31	+26	+21	−40	0	0.35
76270	15 34 43.46	+05 22 04.9	9.18		H	233.681 083 52	+05.368 020 61		−1.11	3.71	7.53	1.25	1.07	1.53	1.85	1.94	−39	−22	− 5	+24	+ 2	− 3	− 7	− 6	+14	−59	0	−0.07
76271	15 34 44.89	−46 42 17.2	10.21		H	233.687 027 79	−46.704 769 77		4.38	1.05	7.25	1.66	1.13	1.90	1.83	1.52	+ 3	−31	− 8	+17	+15	− 6	+17	+28	−10	+10	0	−0.06
76272	15 34 45.53	+62 16 44.1	10.52	2	H	233.689 711 15	+62.278 928 00		6.25	−255.85	15.62	1.07	0.99	1.09	1.17	1.12	+ 3	−16	−16	−35	+ 5	− 1	+ 4	− 5	− 3	+ 3	0	1.50
76273	15 34 46.93	+51 31 15.5	9.54		H	233.695 522 99	+51.520 980 60		1.33	7.76	−3.36	0.86	0.88	0.99	1.02	1.08	+ 5	−10	− 5	+15	− 7	+10	− 7	+18	+ 4	+ 7	0	0.31
76274	15 34 47.36	+44 04 02.9	7.12		H	233.697 321 04	+44.067 475 55		4.56	−8.26	63.69	0.52	0.50	0.63	0.61	0.63	+ 5	− 9	− 7	− 4	+ 1	+ 5	+ 3	+10	− 5	−12	0	0.76
76275 H	15 34 47.98	−28 07 50.5	8.92		H	233.699 901 58	−28.130 706 60	A	19.93	−32.11	−28.42	2.45	1.68	2.51	2.66	2.37	−32	−18	−22	+22	−30	+20	−25	+46	−21	−55	2	0.76
76276 H	15 34 48.19	+10 32 19.9	3.80	1	H	233.700 792 60	+10.538 859 16	A	15.54	−72.63	3.17	0.88	0.57	0.78	1.10	0.72	+10	−18	−22	+ 4	−17	+ 4	−16	− 5	−25	− 9	1	1.97
76277	15 34 49.37	+24 59 57.8	8.23		H	233.705 699 75	+24.999 387 56		10.30	74.97	−114.68	0.68	0.71	1.11	0.78	0.91	−12	−15	−14	+39	−34	− 2	−40	+24	+10	−26	0	2.71
76278	15 34 49.58	−00 08 47.4	7.55		H	233.706 571 81	−00.146 503 42		3.95	−4.69	−14.87	0.82	0.59	0.94	0.93	0.83	−18	−30	− 8	+20	− 7	+ 5	− 5	+10	− 3	−24	0	0.34
76279	15 34 50.26	−68 53 20.7	7.37	2	H	233.709 402 12	−68.889 079 32		0.72	−3.11	−5.36	0.43	0.60	0.81	0.51	0.79	+30	−11	− 4	− 4	+ 6	− 3	+ 6	− 4	+ 0	+40	0	−0.77
76280	15 34 50.28	+06 48 15.3	8.02		H	233.709 493 46	+06.804 251 11		24.38	−82.55	−166.09	0.94	0.80	1.10	1.16	1.00	−20	−16	−23	+16	− 1	−12	− 1	+ 7	−19	−23	0	1.23
76281	15 34 51.68	−45 38 47.0	8.84		H	233.715 350 68	−45.646 393 40		3.90	−4.15	−7.09	0.91	0.76	1.14	0.99	0.94	− 9	−18	−20	+12	+ 8	− 3	+ 8	+19	+ 5	−11	0	−1.06
76282	15 34 51.94	+13 52 29.3	10.89		H	233.716 426 88	+13.874 817 94		26.96	133.90	−38.39	2.08	1.78	2.42	2.75	2.64	−19	−29	− 2	+17	+15	−22	− 9	−36	+11	−59	0	2.96
76283	15 34 52.07	+19 46 47.5	8.54		H	233.716 964 19	+19.779 867 96		3.40	1.58	−34.28	1.16	0.88	1.26	1.82	1.26	+ 0	−10	+ 5	−38	−45	− 8	−42	+ 0	+16	− 4	0	1.73
76284	15 34 53.40	−27 09 10.8	8.53		H	233.722 517 97	−27.152 987 27		4.01	−11.85	−15.11	1.00	0.62	1.14	1.16	0.89	−20	−25	− 7	+29	−13	+33	− 7	+38	−12	−23	0	−0.45
76285	15 34 53.83	−75 40 05.9	9.52		H	233.724 297 80	−75.668 297 25		1.28	−6.56	−8.93	0.76	0.86	1.07	0.86	1.07	+ 5	−23	+ 5	− 7	+ 7	+ 3	+ 3	+21	+21	+ 2	0	−0.71
76286	15 34 58.33	−08 06 53.0	8.04		H	233.743 029 97	−08.114 732 63		4.81	−11.98	2.24	1.02	0.62	1.18	1.16	1.00	−45	−39	+10	+37	−23	+ 2	−30	+27	+24	−40	0	−2.58
76287 H	15 34 59.60	−17 08 19.6	6.99		H	233.748 313 77	−17.138 777 07	*	4.75	−5.67	−24.41	1.18	1.01	1.21	1.29	1.15	− 9	−16	− 1	+32	−13	+15	−15	+28	− 8	−42	3	0.15
76288	15 34 59.77	−09 48 06.2	8.87		H	233.749 045 10	−09.801 730 94		3.51	−7.49	−2.83	1.16	0.73	1.14	1.49	1.08	−12	−25	− 8	+28	−17	+10	−16	+34	− 3	−13	2	2.22
76289	15 35 01.78	+60 15 17.6	8.52		G	233.757 404 20	+60.254 881 82		9.97	−10.81	−8.96	0.66	0.68	0.75	0.69	0.79	+ 3	−16	−16	−28	−18	+ 7	−12	− 6	− 2	−31	1	2.33
76290	15 35 03.62	+46 40 34.0	9.16		H	233.765 062 88	+46.676 112 51		2.73	−27.67	32.15	0.78	0.80	0.94	0.80	0.87	+13	− 4	+19	−23	− 3	− 2	− 2	− 3	+13	+61	1	−0.26
76291	15 35 04.63	+01 40 09.4	6.55		G	233.769 292 80	+01.669 279 84		16.95	−83.16	−24.97	0.69	0.49	0.76	0.83	0.66	− 4	−30	−11	+25	− 5	+ 2	+ 0	+ 9	−10	+ 1	0	−0.62
76292	15 35 04.84	−03 19 20.2	8.63		H	233.770 174 66	−03.322 286 40		24.36	−94.38	−74.72	1.06	0.67	1.21	1.21	0.94	− 3	−41	−16	+25	− 3	+ 4	− 1	+12	− 3	−14	0	−0.40
76293	15 35 06.26	−25 06 20.0	8.04		G	233.776 091 85	−25.105 556 83		6.84	−54.24	−25.26	1.37	0.93	1.23	1.74	1.11	+18	−21	−15	+48	+26	+17	+25	+30	+ 9	+24	0	2.01
76294	15 35 07.12	−34 14 09.4	9.19		H	233.779 673 46	−34.235 954 52		−0.98	−10.50	−4.36	1.21	0.84	1.33	1.44	1.29	−12	−31	− 6	− 5	−21	+ 0	−26	+29	+ 7	−11	0	0.39
76295	15 35 07.69	+53 25 59.1	8.65		H	233.782 045 30	+53.433 082 29		2.38	−5.18	17.77	0.71	0.76	0.82	0.82	0.97	+ 2	− 1	−19	+12	+22	− 9	+28	−14	+18	+28	0	−0.69
76296 H	15 35 08.38	+00 44 46.3	8.73	2	H	233.784 906 74	+00.746 203 25	*	1.36	4.54	−4.67	0.94	0.70	1.07	1.18	0.96	−24	−19	+ 0	+21	−10	− 3	− 5	+ 3	−12	−10	0	1.31
76297 H	15 35 08.46	−41 10 00.1	2.80	1	G

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
76201	8.318	0.011	7.690	0.010		0.585	0.005	G	0.66	0.01	H	7.7417	0.0014	0.010	81		7.73	7.76		C			1							S
76202						1.475	0.020	G	1.92	0.12	I	11.3494	0.0066	0.055	121		11.25	11.43					1							G
76203	9.221	0.019	8.286	0.014	*	0.838	0.009	G	0.88	0.01	H *	8.2798	0.0016	0.014	88	*	8.26	8.31		D	15339−1700	H 1	2 C	A	AB	326	0.678	0.009	1.74	0.03	
76204	11.402	0.086	10.329	0.057		0.920	0.081	T	0.96	0.09	L	10.3476	0.0048	0.036	92		10.27	10.41			15340+2057	I 1	1							
76205	9.919	0.030	9.245	0.026		0.613	0.030	T	0.68	0.03	L	9.3656	0.0026	0.017	77		9.34	9.39		C			1							
76206	11.290	0.073	10.837	0.086		0.427	0.103	T	0.49	0.11	L	10.8140	0.0046	0.035	85		10.74	10.87		C			1							G
76207	7.988	0.010	6.034	0.005		1.695	0.012	G	2.32	0.05	F	5.8668	0.0033	0.028	85		5.82	5.90		U 2			1 S							S P
76208	10.670	0.043	9.399	0.024		1.082	0.038	T	1.04	0.03	L	9.4427	0.0024	0.026	117		9.40	9.50					1							
76209	7.853	0.009	7.325	0.008		0.495	0.011	T	0.57	0.01	L	7.3699	0.0009	0.008	78		7.36	7.39		C			1							S
76210	8.562	0.008	8.545	0.010		0.016	0.011	T	0.04	0.01	L	8.5577	0.0015	0.019	243		8.53	8.59		C			1							
76211	10.251	0.040	8.713	0.019		1.292	0.035	T	1.25	0.04	L	8.6845	0.0011	0.012	77		8.66	8.70		D			1							
76212	10.945	0.056	10.268	0.050		0.626	0.062	T	0.69	0.06	L	10.4004	0.0042	0.034	85		10.34	10.45					1							
76213	9.452	0.017	9.009	0.017		0.418	0.022	T	0.48	0.02	L	9.0219	0.0028	0.020	97		8.98	9.06					1							
76214	9.162	0.015	8.862	0.016		0.285	0.021	T	0.32	0.03	L	8.8963	0.0024	0.020	88		8.87	8.93		C			1							S
76215	10.320	0.025	8.354	0.010		1.666	0.022	T	1.90	0.07	O	8.2545	0.0020	0.019	122		8.21	8.30		U 2			1							
76216	8.390	0.011	8.166	0.013		0.208	0.017	T	0.23	0.02	L	8.2130	0.0015	0.010	75		8.20	8.23					1							S
76217	7.008	0.006	6.980	0.007		0.011	0.002	G	0.03	0.00	H	6.9919	0.0008	0.007	78		6.98	7.01		D			1							S
76218	11.132	0.056	9.821	0.028		1.114	0.049	T	1.08	0.05	L	9.8953	0.0023	0.024	131		9.85	9.95					1 S							
76219	5.919	0.004	4.723	0.003		1.000	0.030	G	1.02	0.02	A	4.7723	0.0006	0.005	65		4.76	4.78		C			1							S
76220	9.868	0.027	9.186	0.024		0.606	0.015	G	0.68	0.01	H	9.2724	0.0018	0.015	72		9.25	9.31		C			1							
76221	9.444	0.018	8.888	0.017		0.521	0.022	T	0.59	0.02	L	8.9544	0.0017	0.016	113		8.93	8.99		C			1							
76222	9.886	0.023	9.159	0.020		0.667	0.024	T	0.73	0.02	L	9.2056	0.0025	0.018	95		9.17	9.24					1							
76223	7.237	0.004	7.178	0.006		0.053	0.006	T	0.07	0.01	L	7.2039	0.0007	0.009	141		7.19	7.22					1							S
76224	11.347	0.088	10.964	0.106		0.560	0.072	G	0.63	0.07	R	11.1121	0.0043	0.031	69		11.02	11.15		C			1							G
76225	11.141	0.072	10.824	0.089		0.301	0.107	T	0.34	0.14	L	10.7700	0.0042	0.037	82		10.71	10.84		C			1 S							G
76226	10.096	0.029	9.559	0.027		0.500	0.000	G	0.57	0.00	H	9.6643	0.0024	0.019	68		9.63	9.70		C			1							
76227											T	12.4442	0.2326			B				D	15343−3945	I 2	1 C I D							D
76228	9.678	0.025	8.799	0.020		0.745	0.003	G	0.79	0.00	H	8.8817	0.0017	0.012	67		8.86	8.90		C			1							
76229	10.786	0.049	9.330	0.023	A	1.227	0.042	T	1.19	0.04	L	9.4119	0.0147	0.026	85	A	9.37	9.45		D	15343−3945	I 2	1 C P D							D
76230	8.333	0.007	7.785	0.007		0.526	0.006	G	0.60	0.01	H	7.8464	0.0011	0.014	224		7.82	7.87		C			1							S
76231	10.387	0.032	10.242	0.044		0.140	0.051	T	0.15	0.05	L	10.3116	0.0039	0.038	126		10.23	10.38		U			1 X S							G
76232	11.021	0.063	9.690	0.032		1.000	0.040	G	0.98	0.03	R	9.7285	0.0030	0.022	73		9.69	9.76		C			1							G
76233	7.217	0.007	6.585	0.005		0.577	0.005	G	0.65	0.01	H	6.6436	0.0020	0.015	88		6.63	6.67		U 2			1							S
76234	6.332	0.003	6.353	0.004		−0.017	0.004	T	0.01	0.00	L	6.3650	0.0009	0.006	91		6.36	6.38		C			1							S
76235	9.703	0.021	8.473	0.013		1.050	0.019	T	1.02	0.02	L	8.4906	0.0015	0.017	115		8.46	8.53					1							S
76236	8.554	0.012	7.251	0.007		1.107	0.011	T	1.07	0.01	L	7.2797	0.0016	0.009	70		7.26	7.30		C	15344−5704	I 1	1 S							S
76237	11.872	0.120	11.316	0.124		0.648	0.126	G	0.71	0.11	R	11.4248	0.0057	0.048	109		11.34	11.50		C			1							G
76238	9.732	0.026	9.329	0.028		0.381	0.035	T	0.45	0.04	L	9.3576	0.0022	0.021	98		9.31	9.40					1							
76239	7.734	0.006	7.657	0.008		0.076	0.009	T	0.09	0.01	L	7.6794	0.0012	0.010	120		7.66	7.70					1							S
76240	10.249	0.036	9.719	0.035		0.497	0.045	T	0.57	0.05	L	9.7987	0.0025	0.022	75		9.76	9.84					1							
76241	10.107	0.032	9.448	0.028		0.611	0.036	T	0.68	0.03	L	9.5420	0.0042	0.022	64		9.50	9.58		C			1							
76242	9.969	0.019	8.828	0.012	A	0.600	0.495	G	0.93	0.03	L *	8.8686	0.0014	0.020	184	*	8.82	8.90		D	15344+3201	I 1	2 C	A	AB	216	1.965	0.021	2.98	0.08	
76243	5.036	0.004	5.138	0.004		−0.090	0.020	G	−0.12	0.03	C	5.1222	0.0036	0.020	90		5.10	5.16	1.26	P 1 A			1							S P
76244	8.366	0.012	8.158	0.014		0.192	0.018	T	0.21	0.02	L	8.2059	0.0021	0.012	70		8.18	8.22		C			1							
76245	10.307	0.040	9.735	0.037		0.419	0.004	G	0.49	0.00	H	9.8754	0.0025	0.019	90		9.83	9.91		C			1 G							
76246	10.812	0.046	9.097	0.019		1.431	0.039	T	1.42	0.06	L	9.1079	0.0025	0.022	86		9.07	9.14					1							
76247	10.346	0.040	9.113	0.023		1.053	0.036	T	1.02	0.03	L	9.1772	0.0019	0.017	82		9.15	9.21		C			1							
76248	8.750	0.012	8.629	0.014		0.109	0.017	T	0.12	0.02	L	8.6611	0.0021	0.017	77		8.63	8.69		C			1							
76249	8.909	0.015	8.377	0.014		0.546	0.004	G	0.62	0.00	H	8.4202	0.0017	0.012	81		8.40	8.44		C			1							S
76250	10.509	0.051	10.057	0.055	*	0.426	0.069	T	0.49	0.07	L *	9.9883	0.0036	0.026	67	*	9.95	10.03		D	15345+0307	H 1	2 C	A	AB	234	0.694	0.008	0.18	0.02	
76251	7.246	0.008	7.078	0.007		0.161	0.010	T	0.18	0.01	L	7.0994	0.0016	0.009	67		7.08	7.11		C			1							S
76252	8.470	0.010	8.473	0.013	A	0.011	0.002	G	0.03	0.00	H *	8.4695	0.0022	0.018	95	*	8.44	8.51			15346−4328	I 1	2 C	C	AB	261	1.330	0.060	3.67	0.24	
76253	10.913	0.058	9.517	0.028		1.180	0.050	T	1.14	0.04	L	9.5537	0.0028	0.021	75		9.52	9.59		C			1							
76254	8.863	0.012	8.625	0.013		0.222	0.018	T	0.24	0.02	L	8.6540	0.0026	0.034	123		8.61	8.77		U 2			1							
76255	9.538	0.015	8.567	0.011		0.853	0.014	T	0.87	0.01	L	8.6349	0.0025	0.021	126		8.60	8.67			15346+4455	I 2	1							
76256	7.963	0.008	7.072	0.006		0.793	0.007	T	0.82	0.01	L	7.1338	0.0011	0.008	115		7.12	7.15		C			1 X							S
76257	9.781	0.034	9.403	0.036		0.358	0.046	T	0.42	0.05	L	9.3952	0.0046	0.023	49		9.36	9.44					1							
76258	11.830	0.175	9.399	0.030		2.002	0.143	T	2.04	0.15	L	9.3070	0.0022	0.028	75		9.25	9.35					1 S							
76259	6.834	0.006	5.282	0.004		1.306	0.001	G	1.27	0.00	H	5.2750	0.0007	0.005	77		5.27	5.29		C			1 G							S
76260	11.251	0.073	9.968	0.038		1.087	0.066	T	1.05	0.05	L	10.0165	0.0027	0.020	87		9.97	10.05		C			1							G
76261	10.182	0.031	8.518	0.015		1.391	0.027	T	1.36	0.03	L	8.5070	0.0020	0.020	109		8.47	8.54					1							S
76262	9.703	0.017	8.486	0.011		1.040	0.016	T	1.01	0.01	L	8.5551	0.0015	0.016	124		8.53	8.58		C	15346+4455	I 2	1							S
76263	10.224	0.034	9.783	0.036		0.416	0.046	T	0.48	0.05	L	9.8133	0.0036	0.025	66		9.76	9.85					1							
76264	8.986	0.014	8.651	0.015		0.318	0.019	T	0.37	0.03	L	8.6734	0.0019	0.017	107		8.64	8.70					1							
76265	10.360	0.033	9.190	0.021		1.004	0.030	T	0.98	0.02	L	9.2749	0.0024	0.025	128		9.24	9.32		C			1							
76266	9.954	0.021	9.610	0.023		0.326	0.029	T	0.38	0.04	L	9.6850	0.0027	0.026	151		9.64	9.74					1							
76267	2.252	0.002	2.217	0.003		0.032	0.003	T	0.05	0.00	L	2.2210	0.0006	0.007	93		2.21	2.29		U 2			1 O							S P
76268	10.874	0.060	9.647	0.033		1.048	0.053	T	1.02	0.04	L	9.7563	0.0022	0.015	87		9.73	9.79		C			1							
76269	8.708	0.011	8.380	0.011		0.311	0.015	T	0.36	0.02	L	8.4248	0.0019	0.014	105		8.41	8.45					1							S
76270	10.984	0.070	9.346	0.028		1.371	0.059	T	1.34	0.07	L	9.3327	0.0021	0.018	62		9.30	9.36		C			1							
76271	11.013	0.054	10.336	0.047		0.626	0.060	T	0.69	0.05	L	10.3415	0.0031	0.029	94		10.29	10.39					1							G
76272	11.197	0.055	10.560	0.051		0.592	0.065	T	0.66	0.06	L	10.6519	0.0276	0.220	112		10.53	11.07	0.31	P 1 A			1							G
76273	9.846	0.022	9.590	0.026		0.244	0.032	T	0.27	0.04	L	9.6069	0.0029	0.027	111		9.57	9.66		C			1							
76274	8.572	0.008	7.250	0.005		1.122	0.007	T	1.08	0.01	L	7.2906	0.0010	0.010	127		7.28	7.31		C			1							S
76275	9.896	0.031	9.059	0.025	A	0.700	0.495	G	0.77	0.08	L *	9.0631	0.0028	0.020	76	*	9.03	9.09		D	15348−2808	I 1	2 C	B	AB	323	1.022	0.027	2.42	0.13	
76276	4.070	0.007	3.788	0.006	*	0.268	0.008	T	0.30	0.01	L *	3.8677	0.0019	0.013	63	*	3.85	3.89		U 2	15348+1033	I 1	2 C	A	AB	175	4.012	0.002	1.04	0.01	S P
76277	8.925	0.013	8.306	0.012		0.573	0.013	T	0.65	0.01	L	8.3546	0.0018	0.016	130		8.33	8.39		C	15348+2500	I 1	1 S							S
76278	8.946	0.015	7.673	0.009		1.084	0.014	T	1.05	0.01	L	7.7224	0.0012	0.010	72		7.71	7.74		C			1							S
76279	9.547	0.013	7.604	0.006		1.647	0.012	T	2.54	0.03	O	7.3777	0.0031	0.046	216		7.32	7.45		U 2			1 S							S
76280	8.896	0.014	8.117	0.012		0.708	0.014	T	0.76	0.01	L	8.1678	0.0017	0.012	74		8.15	8.19		C			1							S
76281	9.046	0.015	8.869	0.017		0.162	0.022	T	0.18	0.02	L	8.8938	0.0014	0.017	91		8.87	8.94		C			1							
76282						1.564	0.082	G	2.50	0.34	I	10.9124	0.0088	0.049	45		10.83	11.01					1							G
76283	10.050	0.023	8.689	0.014		1.153	0.021	T	1.12	0.02	L	8.7058	0.0023	0.022	100		8.67	8.74					1							
76284	8.776	0.014	8.552	0.016		0.236	0.015	G	0.26	0.02	H	8.5959	0.0016	0.013	79		8.57	8.64		C			1							
76285	9.404	0.015	9.522	0.022		−0.070	0.015	G	−0.05	0.01	H	9.5062	0.0031	0.031	140		9.46	9.56					1							
76286	9.266	0.015	8.146	0.010		0.965	0.014	T	0.95	0.01	L	8.2027	0.0014	0.013	112		8.19	8.23					1							S
76287	8.308	0.011	7.133	0.007	*	1.008	0.010	T	0.98	0.01	L *	7.1591	0.0011	0.009	81	*	7.15	7.18		D	15350−1708	H 1	2 C	A	AB	284	0.235	0.014	1.19	0.28	S
76288	9.074	0.022	8.925	0.026		0.143	0.032	T	0.16	0.03	L	8.9263	0.0029	0.018	69		8.89	8.95		C			1							
76289	9.062	0.014	8.583	0.013		0.488	0.015	G	0.56	0.02	H	8.6216	0.0015	0.015	90		8.60	8.65					1							S
76290	9.611	0.018	9.186	0.019		0.401	0.024	T	0.47	0.03	L	9.2547	0.0025	0.020	118		9.22	9.31		C			1							S
76291	6.880	0.005	6.586	0.005		0.281	0.008	G	0.32	0.01	H	6.6240	0.0010	0.007	77		6.61	6.64		C			1							S
76292	9.662	0.025	8.705	0.018		0.829	0.024	T	0.85	0.02	L	8.7754	0.0019	0.013	86		8.74	8.80		C			1							S
76293	8.522	0.014	8.067	0.014		0.455	0.015	G	0.52	0.02	H	8.1400	0.0008	0.011	76		8.12	8.16		D			1 G							S
76294	11.684	0.121	9.469	0.028		1.829	0.099	T	1.86	0.10	L	9.2850	0.0032	0.024	70		9.24	9.32					1 S							
76295	9.668	0.021	8.747	0.016		0.820	0.015	G	0.84	0.01	H	8.8012	0.0020	0.017	102		8.76	8.84					1							S
76296	10.835	0.061	9.066	0.023	*	1.474	0.051	T	1.49	0.08	L *	8.8781	0.0165	0.093	68	*	8.72	9.05		U 2	15351+0045	H 1	2 C S B		AB	11	0.158	0.014	0.68	0.41	
76297	2.536	0.003	2.746	0.004	*	−0.216	0.015	G	−0.22	0.02	A *	2.7000	0.0014	0.009	101	*	2.69	2.71	2.85	P 1 A	15351−4110	I 1	2 C	A	AB	278	0.714	0.003	0.11	0.01	S
76298											T	11.0856	0.0052	0.050	120		10.99	11.16		C			1							G
76299	7.953	0.008	6.848	0.005		0.953	0.007	T	0.94	0.01	L	6.9116	0.0011	0.009	127		6.90	6.93		C			1							S
76300	10.892	0.047	10.021	0.033		0.763	0.044	T	0.80	0.03	L	10.0748	0.0030	0.022	109		10.02	10.12		C			1							

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors $\alpha*$ mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%) δ,α*	π,α*	π,δ	$\mu_{\alpha*}$,α*	$\mu_{\alpha*}$,δ	$\mu_{\alpha*}$,π	μ_δ,α*	μ_δ,δ	μ_δ,π	μ_δ,$\mu_{\alpha*}$	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
76301	15 35 11.23	−43 50 20.1	7.91	G	233.796 774 50	−43.838 913 27	1.21	−7.84	−11.67	0.80	0.63	1.00	0.82	0.80	−20	−27	−18	− 1	− 3	−18	− 2	+28	− 8	−31	0	0.43
76302	15 35 11.33	−21 00 28.2	8.80	H	233.797 191 69	−21.007 828 35	5.19	−8.05	− 6.63	1.26	0.72	1.37	2.00	1.10	−	3	−13	− 8	− 6	− 7	−30	−13	+ 4	−11	+34	0	0.16
76303	15 35 11.85	+49 59 41.4	6.95	H	233.799 369 75	+49.994 830 17	6.44	22.07	−78.39	0.50	0.51	0.59	0.62	0.62	+	0	−	4	+11	+	9	+	5	+16	+	4	+	8	+	2	+	2	0	−0.37
76304	15 35 13.63	−28 28 27.1	8.13	G	233.806 789 77	−28.474 192 26	12.56	12.60	−75.24	0.90	0.69	1.12	1.01	0.86	−16	−17	−18	+	6	−16	+18	−12	+26	−16	−22	0	−1.26
76305	15 35 14.08	+65 16 39.6	7.45	H	233.808 671 72	+65.277 677 11	9.01	−3.84	30.57	0.49	0.50	0.54	0.50	0.54	+10	−	8	−11	−	9	+	0	−18	−	1	+	4	−	7	+	8	0	−0.80
76306	15 35 14.82	+49 41 54.2	7.36	H	233.811 745 86	+49.698 382 95	1.82	4.43	− 5.56	0.55	0.56	0.63	0.63	0.66	+10	+10	+13	+	1	+12	+	2	+12	+	2	+	5	+20	1	1.08
76307	15 35 14.90	+39 00 36.2	5.14	1 H	233.812 083 85	+39.010 046 19	5.71	24.61	8.63	0.42	0.45	0.56	0.47	0.51	+16	−14	−	3	+13	+15	+	1	+17	+20	−17	+11	0	0.09
76308	15 35 15.96	−45 51 44.9	9.97	H	233.816 508 84	−45.862 461 98	8.23	−48.84	−18.68	1.39	1.03	1.74	1.77	1.46	−	1	−26	−11	+24	+14	−	3	+18	+25	−18	+11	0	1.13
76309	15 35 16.11	+76 50 34.1	8.05	G	233.817 137 31	+76.842 813 22	4.93	−2.35	19.37	0.55	0.58	0.62	0.65	0.70	+	2	−16	−20	−16	+	1	−	3	+	3	−	3	−13	−	9	0	−0.52
76310	15 35 16.12	−25 44 02.8	7.31	H	233.817 158 26	−25.734 107 63	7.39	−19.08	−25.63	0.89	0.52	0.99	0.97	0.76	−	5	−39	−22	+18	−	8	+19	−	1	+24	−	4	−13	0	0.29
76311	15 35 16.22	+53 55 19.7	5.97	H	233.817 570 86	+53.922 138 60	8.24	−17.96	2.08	0.47	0.47	0.54	0.53	0.56	+13	−12	−18	+	7	+10	−16	+	7	−16	+15	+12	1	1.54
76312	15 35 16.24	−50 59 35.8	9.90	H	233.817 655 07	−50.993 285 42	7.15	−10.37	− 8.36	1.34	1.25	1.85	1.62	1.70	+	4	−26	−40	+	4	−	3	+	8	+	6	+22	−11	−21	0	0.78
76313	15 35 16.84	−24 20 12.3	11.44	2 H	233.820 181 31	−24.336 757 37	−5.76	−61.15	−25.49	2.96	1.70	3.38	4.19	3.12	−14	−13	−31	−20	−	7	−	1	−14	+	2	+	8	−15	0	−2.26
76314	15 35 18.97	−12 30 26.3	7.87	H	233.829 035 57	−12.507 296 13	6.85	46.11	−41.28	0.90	0.64	1.04	1.00	0.83	−22	−17	−25	+17	−17	+12	−10	+27	−27	−22	0	−0.59
76315	15 35 19.84	+60 05 14.6	8.39	H	233.832 677 88	+60.087 387 87	52.43	172.22	−162.88	0.66	0.65	0.74	0.69	0.79	+	4	−25	−16	−25	−14	+	8	−12	−10	+	4	−32	1	−0.66
76316	15 35 20.05	+17 42 46.2	12.41	G																										
76317	15 35 20.43	+59 40 44.1	7.79	H	233.835 124 60	+59.678 919 99	4.03	−28.27	33.85	0.51	0.53	0.60	0.53	0.58	+	0	−	9	−17	−13	−16	+	8	−15	−	7	+	4	−24	1	−1.17
76318	15 35 20.61	−29 03 01.6	7.70	G	233.835 890 48	−29.050 435 34	8.54	−30.97	−33.54	0.85	0.57	0.98	0.87	0.83	−28	−20	−	9	−	2	−	4	+	6	+	1	+12	−17	−36	0	0.42
76319 H	15 35 21.01	+09 08 06.4	8.13	H	233.837 543 89	+09.135 119 51 *	2.43	6.95	− 0.64	2.64	1.27	1.18	1.36	1.05	+	8	−28	−	6	+32	+	3	+	9	+	8	+12	−18	−11	0	−0.32
76320	15 35 21.36	+22 29 15.2	8.09	H	233.839 005 16	+22.487 559 97	4.45	−7.33	3.37	0.63	0.76	1.12	0.88	1.06	−34	−	3	+	9	+36	+	0	+	4	−13	−23	−	4	−54	0	−0.93
76321	15 35 22.01	+39 42 07.7	10.12	H	233.841 712 28	+39.702 149 87	2.44	−20.84	8.17	0.93	1.00	1.23	1.05	1.13	+20	−	2	+	0	−	7	+	3	−10	+	3	+	5	−	4	+16	1	0.00
76322	15 35 22.82	−11 40 56.1	9.73	G	233.845 092 92	−11.682 238 84	2.67	−36.56	−12.42	1.58	1.01	1.77	1.71	1.39	−30	−28	−	8	+15	+	4	+11	+11	+	0	−	6	−28	0	0.15
76323	15 35 23.93	−13 19 11.6	9.31	H	233.849 689 44	−13.319 883 76	7.28	−0.20	7.71	1.32	0.82	1.64	1.40	1.21	−13	−39	−34	+	6	+13	+	0	+14	−11	+	4	−40	0	−0.19
76324	15 35 26.77	−57 25 02.3	7.93	1 H	233.861 528 87	−57.417 293 01	2.80	−6.42	− 5.03	0.85	0.77	1.07	1.33	1.15	−11	+19	−19	+14	+15	−	3	+16	+19	+23	+	6	0	0.33
76325	15 35 26.90	+00 18 45.6	9.33	H	233.862 092 35	+00.312 655 98	7.66	−17.83	−28.12	1.26	0.90	1.37	1.49	1.24	−31	−19	+11	+36	−	8	+	2	−	2	+	4	−14	−21	0	1.04
*76326	15 35 28.08	−31 53 18.9	8.76	2 H	233.867 002 81	−31.888 585 61	5.18	−29.36	− 1.69	1.15	0.88	1.36	1.26	1.20	−30	−22	−17	+	3	+16	−20	+13	−	4	+16	−40	0	0.78
*76327	15 35 28.07	−41 30 17.0	7.44	H	233.866 947 47	−41.504 724 32	10.09	20.23	−61.45	0.70	0.58	0.88	0.74	0.76	−28	−29	−12	+11	−	2	−	2	+	5	+26	−19	−32	0	0.06
76328 H	15 35 28.34	−47 50 56.7	8.77	H	233.868 090 50	−47.849 087 50 *	17.17	62.13	−79.74	1.81	1.79	1.45	1.61	1.36	−	2	−10	+	8	+	6	+	0	+	7	−	6	+28	+	3	+30	1	−0.05
76329	15 35 28.34	−17 24 28.8	8.83	H	233.868 092 94	−17.408 013 31	0.88	3.64	−13.38	1.27	0.75	1.50	1.36	1.26	−	8	−31	−23	−	1	−12	+25	+	5	+22	−32	−35	0	0.33
76330	15 35 30.07	+36 12 35.4	8.61	H	233.875 307 37	+36.209 843 43	33.37	119.37	−93.23	0.63	0.69	0.88	0.78	0.87	+	8	+	0	+	3	+	6	−	4	+12	−	3	+23	−	9	−	3	0	0.24
76331	15 35 31.00	−06 07 50.2	10.00	G	233.879 172 87	−06.130 613 71	5.93	−14.18	− 3.27	1.36	0.85	1.43	1.74	1.27	−19	−19	−	4	+30	−12	+	4	−13	+13	+11	−18	0	0.37
76332	15 35 31.40	+59 05 50.3	8.87	H	233.880 847 14	+59.097 302 31	0.19	− 2.38	15.71	0.69	0.75	0.81	0.68	0.78	−16	−	2	−17	+	0	−28	+13	−25	+14	−13	−41	4	−0.45
76333	15 35 31.54	−14 47 22.4	3.91	G	233.881 413 98	−14.789 553 65	21.42	65.67	6.93	0.83	0.51	0.90	0.88	0.70	−23	−39	+	8	+22	+12	+22	+19	+10	−	9	−10	0	0.73
*76334	15 35 32.10	+64 30 20.8	12.91	3 H	233.883 748 45	+64.505 791 58	−0.30	− 7.76	−14.63	5.02	5.12	5.13	5.55	6.62	+	4	+	5	+	5	−42	+	5	−	4	+	6	−	3	−	5	+	3	2	4.51
*76335	15 35 32.04	−17 34 25.7	8.99	H	233.883 517 57	−17.573 798 80	1.69	−27.54	−31.74	1.43	0.80	1.61	1.47	1.29	+	2	−33	−26	−17	−13	+20	+	2	+16	−31	−23	2	1.55
76336	15 35 32.41	−19 37 44.4	10.07	H	233.885 059 85	−19.629 000 16	9.14	−16.78	−71.54	1.95	0.96	1.85	2.44	1.71	+	2	−30	−	9	−12	−21	+	6	−30	+22	−	9	+20	0	1.08
76337	15 35 33.28	+17 39 20.1	6.10	H	233.888 655 69	+17.655 587 38	7.87	−77.08	−13.25	0.70	0.55	0.87	0.85	0.69	−12	−10	−	8	−24	−24	+30	−19	+	3	−15	−32	2	0.16
*76338	15 35 33.78	+06 03 28.2	8.18	H	233.890 740 40	+06.057 831 75	12.70	145.33	−123.03	1.02	0.70	1.17	1.09	0.97	−	5	−45	−20	+24	+	4	+	8	+	5	−	1	−	3	−29	0	−1.81
*76339	15 35 33.78	−51 35 46.4	8.85	H	233.890 733 23	−51.596 213 05	3.10	−17.89	−15.12	0.82	0.72	1.06	1.02	0.99	−	7	−16	−23	+	0	+	8	−	2	+	7	+	3	+14	−14	0	−0.46
76340	15 35 34.80	−75 19 33.1	8.42	H	233.895 015 47	−75.325 855 38	3.78	−11.74	− 8.68	0.59	0.70	0.85	0.67	0.86	+	1	−15	+16	−	8	−	6	−	6	−	1	+29	+	4	−11	0	0.37
76341	15 35 35.46	−58 51 58.0	7.99	G	233.897 767 57	−58.866 110 23	4.57	−10.57	−12.96	0.70	0.68	0.94	0.77	0.86	+	4	−16	−30	+14	+10	−22	+	5	+16	+20	−23	0	0.97
76342	15 35 35.64	+56 55 48.1	11.21	H	233.898 513 19	+56.930 018 90	5.02	−19.63	28.16	1.32	1.35	1.51	1.48	1.52	+	1	−	8	−	5	−19	−12	+	4	−10	−	7	−	1	−12	1	0.19
76343	15 35 36.58	+25 45 10.2	9.15	2 H	233.902 422 50	+25.752 828 60	2.84	− 7.18	−10.82	0.66	0.66	1.08	0.66	0.76	+	1	−18	−17	+48	−18	−17	−27	+24	−	6	−19	0	0.76
76344	15 35 37.33	−60 44 36.3	8.94	H	233.905 530 79	−60.743 424 71	3.08	−23.54	−13.10	0.92	0.87	1.39	1.12	1.25	+28	−16	−21	+54	+48	−28	+51	+24	−	1	+25	0	1.48
76345	15 35 38.24	+50 24 18.3	9.10	H	233.909 325 64	+50.405 069 82	10.46	−75.70	−34.79	0.85	0.79	0.93	1.11	0.94	+15	+	1	−	2	+	0	−	5	+	4	−	4	+	0	+	7	+18	0	−1.97
76346	15 35 38.25	−37 28 09.6	8.91	G	233.909 372 40	−37.469 331 04	12.39	−137.52	−239.39	0.98	0.79	1.20	1.12	1.10	−30	−15	−18	+20	−10	+	1	−	8	+39	−	7	−32	0	1.66
76347	15 35 38.35	+35 05 01.0	8.97	H	233.909 811 54	+35.083 600 97	1.95	9.98	−41.08	0.69	0.76	1.08	0.74	0.91	+14	−	3	+19	−	3	+	6	+	0	+	8	−	5	−14	+	1	0	0.23
76348	15 35 38.50	−63 03 45.5	8.77	H	233.910 430 02	−63.062 651 99	3.70	−22.86	−25.75	0.58	0.80	1.24	0.73	1.00	−15	−10	+	1	−	4	+13	−25	+14	+11	−	9	−11	0	1.08
76349	15 35 38.97	+16 53 45.5	8.75	H	233.912 387 79	+16.895 959 86	8.08	−90.80	− 9.95	1.14	0.84	1.23	1.20	1.17	+	6	−14	−20	−42	−39	+18	−38	+	3	+10	−15	0	−0.95
76350	15 35 39.42	+45 26 52.4	8.73	H	233.914 231 65	+45.447 893 38	3.59	17.15	−13.34	0.75	0.69	0.84	0.87	0.85	+	1	−	4	−	7	+	9	−17	+10	−19	+	1	−	3	−15	0	0.27
76351	15 35 40.09	−80 12 16.9	8.71	H	233.917 049 74	−80.204 693 92 A	26.01	−47.57	44.04	1.84	2.00	1.88	1.75	1.97	+11	+	0	−	4	−	3	+	6	+	0	+	5	+	3	−	8	+27	1	1.04
76352	15 35 40.35	−26 18 03.9	8.77	H	233.918 116 08	−26.301 083 30	0.37	− 0.43	− 3.12	1.03	0.61	1.11	1.14	0.90	−	9	−26	−14	+15	−	4	+14	+	1	+17	−	8	−11	0	2.02
76353	15 35 40.66	+21 35 35.9	9.93	H	233.919 400 85	+21.593 308 99	6.74	−50.21	−22.09	1.04	1.18	1.76	1.24	1.48	−28	−	8	−17	+22	−	5	−10	−13	−	9	+23	−44	0	0.33
76354	15 35 41.46	−24 08 12.7	9.40	H	233.922 770 80	−24.136 863 17	−2.89	−17.07	− 7.21	1.81	0.95	1.97	2.54	1.55	−	9	−12	−28	−30	+	1	−10	−	8	−15	+12	+	5	0	−1.41
76355	15 35 41.75	−48 47 28.6	10.44	H	233.923 945 71	−48.791 281 12	4.11	− 5.79	2.64	1.53	1.35	2.03	1.84	1.87	−15	−10	−19	+11	+	4	−13	+	4	+12	−20	−13	0	2.50
76356	15 35 41.87	−03 29 15.1	8.88	H	233.924 454 83	−03.487 520 56	2.84	−37.19	− 8.09	1.05	0.62	1.20	1.25	1.01	−15	−41	+	2	+25	−	2	+	6	−	2	+12	+	3	−14	0	−0.47
76357	15 35 41.95	−54 43 32.1	8.82	H	233.924 781 98	−54.725 591 04	4.39	−10.00	−15.78	0.86	0.76	1.18	1.06	1.08	+	5	−35	−22	+21	+	3	−20	+	5	+41	−32	+24	0	0.58
76358	15 35 42.33	+55 31 31.8	9.04	H	233.926 375 81	+55.525 510 06	6.32	−37.06	4.10	0.71	0.71	0.78	0.73	0.78	+	3	+	2	−17	−13	+	7	+	5	+	9	−20	+12	+	2	1	−0.52
76359	15 35 42.91	+24 38 35.7	9.59	H	233.928 809 90	+24.643 243 80	2.04	1.04	5.94	0.93	1.00	1.49	1.15	1.27	−26	−10	−18	+40	−36	+	6	−38	+24	+	8	−35	0	−0.42
76360	15 35 43.85	−05 13 43.5	10.11	G	233.932 689 59	−05.228 754 89	2.69	− 5.35	− 6.15	1.58	0.97	1.83	2.54	1.64	−21	−15	−	5	+	5	−11	−11	−11	+	2	−	6	+	3	2	0.35
76361 H	15 35 47.21	−56 54 14.0	8.37	H	233.946 727 96	−56.903 878 52 A	10.28	5.81	− 1.29	2.00	2.14	1.91	1.98	1.95	+	9	+	1	−28	−	9	+	5	−23	−10	+20	−35	+38	3	0.89
*76362 T	15 35 47.64	−80 12 08.3	11.65	H	233.948 503 07	−80.202 303 23 B	99.90	−94.70	38.05	97.05	100.81	61.26	58.77	63.19	+	5	+	0	+	5	−	8	+	7	−	1	+	5	+10	−	4	+20	1	1.04
*76363	15 35 47.42	−12 51 32.9	9.03	H	233.947 580 83	−12.859 126 02	10.69	−11.33	− 8.51	1.22	0.78	1.40	1.33	1.06	−10	−30	−29	+12	+	7	−	2	+12	+	1	−	8	+22	0	0.70
76364	15 35 48.49	−42 05 54.2	8.70	H	233.952 035 40	−42.098 402 16	1.26	24.01	− 0.14	0.93	0.78	1.18	1.08	1.07	−11	−10	−27	+19	−	3	−10	−	2	+30	+	0	−32	0	−2.03
76365	15 35 48.88	+01 13 39.0	6.70	H	233.953 678 85	+01.227 487 23	12.71	−66.07	8.24	0.67	0.50	0.77	0.87	0.70	−14	−21	−14	+23	−12	+	5	−10	+12	−	1	−	3	0	0.75
76366	15 35 49.19	+38 22 26.2	6.30	H	233.954 943 68	+38.373 946 59	4.77	10.14	− 8.31	0.43	0.47	0.59	0.52	0.56	+	6	−	2	−	9	+	8	+	4	+12	+	6	+14	−12	−19	0	−1.17
76368 H	15 35 51.05	+12 54 58.7	7.59	H	233.962 716 30	+12.916 294 77 A	12.19	−59.93	12.73	2.24	1.51	1.66	2.35	1.76	−	6	−25	−29	+60	+	0	−	9	−51	−14	+22	−70	2	−0.03
76369	15 35 51.67	+35 55 24.9	8.27	H	233.965 278 60	+35.923 587 97	6.45	− 3.78	15.93	0.56	0.60	0.78	0.69	0.74	−	1	+	0	−	3	−	3	−	5	+	4	+	0	+22	−	6	−21	0	0.33
76370	15 35 52.47	−29 34 24.8	8.98	H	233.968 627 30	−29.573 549 64	6.49	−13.39	− 0.12	1.30	0.73	1.43	1.47	1.11	−14	+14	−23	−30	−	2	−23	−17	+	3	−18	+	8	0	−0.49
76371 H	15 35 53.27	−44 57 30.0	4.55	1 G	233.971 937 52	−44.958 336 88 A	7.51	−20.42	−21.48	0.71	0.57	0.73	0.58	0.58	−	8	−29	−10	+	4	+15	−19	+11	+10	+	7	+	0	1	0.00
76372	15 35 53.39	+11 15 56.5	6.04	H	233.972 447 66	+11.265 684 51	4.62	−32.98	−11.83	0.73	0.53	0.78	0.84	0.65	−	9	−34	+12	+12	−28	−18	−18	+14	−22	+	5	0	1.94
76373	15 35 53.46	−49 58 26.0	8.88	H	233.972 770 13	−49.973 875 78	4.75	− 2.36	− 7.44	1.01	0.98	1.38	1.31	1.36	−24	+	2	−33	+	5	−	7	−22	−11	+31	+	1	−40	0	1.11
76374	15 35 54.58	+28 07 14.8	11.63	G	233.977 432 24	+28.120 777 95	26.52	−108.66	−125.56	1.94	1.97	3.17	2.21	2.43	+17	−11	−	3	+	6	−	7	−12	−	7	+	6	−14	+15	0	−0.66
76375	15 35 56.91	+39 49 51.6	7.65	1 G	233.987 112 99	+39.830 995 29	44.93	−448.91	50.29	0.53	0.61	0.73	0.60	0.67	+	6	−	9	−	1	−	1	+	2	−15	+	2	+15	−	8	+	6	0	−1.37
76376	15 35 57.08	+54 37 50.0	5.77	H	233.987 823 90	+54.630 568 06	13.24	−38.19	− 0.57	0.63	0.54	0.53	0.90	0.71	−19	+16	−19	−61	+34	−22	+32	−38	+12	−28	0	1.34
76377	15 35 57.35	−49 30 28.6	7.97	3 T	233.988 978 21	−49.507 950 06 *	5.14	− 3.48	− 2.88	1.23	0.99	1.87	1.81	1.50	−37	+28	−30	−23	+16	−62	−	1	+22	+	2	−28	4	0.13
76378	15 35 57.38	−79 05 09.7	7.53	H	233.989 092 94	−79.086 022 75	2.36	− 5.14	− 6.28	0.47	0.54	0.66	0.48	0.63	+12	−14	+12	−	6	−10	−16	−	9	+	1	−	3	+13	0	−0.74
76379	15 35 59.38	−53 16 41.6	8.44	H	233.997 405 77	−53.278 233 40	10.16	−99.37	−60.28	0.88	0.78	1.13	0.99	0.94	+	2	−35	−13	+38	+	9	−11	+	3	+38	+11	+	1	0	1.18
76380	15 35 59.93	+28 24 33.3	8.48	H	233.999 729 13	+28.409 250 90	8.35	13.67	− 1.58	0.54	0.66	1.06	0.64	0.78	+18	+	5	+	2	+	1	+	9	−24	+	8	−	3	−15	+10	1	1.79
76381	15 36 01.52	+40 19 15.9	8.60	H	234.006 353 32	+40.321 085 19	10.00	− 0.49	−70.81	0.72	0.68	0.87	0.82	0.81	+15	−	9	+	0	−20	−13	−	4	−10	+	1	−	6	−	2	1	−0.42
76382 H	15 36 02.59	+39 48 08.7	6.78	H	234.010 785 71	+39.802 406 48 A	45.85	−482.47	27.52	1.98	1.73	0.79	2.25	1.47	−23	+	9	−	4	−11	+12	−	3	−11	+12	−	3	+29	3	0.73
76383	15 36 03.49	+06 11 00.7	7.33	H	234.014 545 80	+06.183 519 32	5.31	−42.21	− 2.55	0.84	0.69	0.97	0.95	0.87	−18	−26	−26	+31	−	1	+	9	+	1	−	4	−10	−36	0	−2.25
76384	15 36 04.19	+52 04 10.6	6.70	H	234.017 465 08	+52.069 611 47	16.77	−16.96	83.83	0.47	0.54	0.59	0.58	0.69	+	1	−16	−14	+	6	−	2	+	9	−	4	−13	+20	−	1	0	0.87
76385 H	15 36 04.97	+55 31 19.5	8.66	G	234.020 696 68	+55.522 081 93 A	5.23	− 1.50	54.52	1.63	1.67	1.56	1.46	1.59	−	7	+	5	−15	−11	−	1	+	5	+	3	−19	+	6	+	6	0	0.81
76386	15 36 05.82	−71 12 59.9	7.80	H	234.024 240 91	−71.216 635 05	3.71	−18.01	−20.62	0.49	0.61	0.76	0.55	0.76	+23	−14	−	5	+11	+13	−11	+13	+29	−	7	+26	0	1.61
76387 H	15 36 06.21	+48 48 57.5	8.64	H	234.025 892 79	+48.815 967 27 A	6.50	−22.25	−11.66	1.72	1.69	1.74	1.71	1.76	+10	+	0	+13	−16	−11	−	2	−	8	+	4	−	4	−	8	0	1.57
76388 H	15 36 06.45	+25 16 46.6	8.65	H	234.026 860 78	+25.279 616 57 *	3.55	−14.03	5.86	0.76	0.83	1.32	0.82	0.96	+14	−30	−19	+33	−13	−	7	−18	+33	+	8	+	7	3	−1.68
76389	15 36 06.85	+15 50 21.7	8.72	H	234.028 530 08	+15.839 349 93	2.72	−15.07	−19.84	0.89	0.87	1.23	0.94	1.24	−26	−16	+	0	−29	−	7	−	2	−13	−15	+19	−56	0	−1.28
*76390 H	15 36 08.10	+07 38 03.9	9.70	H	234.033 768 97	+07.634 412 05 A	4.65	−18.64	7.39	2.85	1.83	2.86	3.37	2.16	+14	−35	−21	−13	−18	−27	−21	−	2	−11	+	13	0	0.47
*76391 H	15 36 08.10	−81 43 34.1	8.20	G	234.033 766 15	−81.726 141 50 A	12.69	−19.82	93.40	1.06	1.04	1.17	0.90	1.08	−10	−39	+27	+	6	−19	−	1	−24	+31	+26	−10	0	0.26
76392	15 36 08.23	−21 44 46.6	7.72	H	234.034 305 18	−21.746 283 33	6.82	39.19	−93.71	1.04	0.56	1.12	1.23	0.83	−	9	−31	−11	−16	+	1	+10	−	1	−13	+	9	+	9	0	−0.31
76393	15 36 08.79	−20 26 16.8	9.64	H	234.036 638 41	−20.437 987 40	2.66	12.74	− 1.16	1.73	0.96	1.68	2.50	1.83	−19	−	9	−	7	+	0	−30	−12	+42	+33	−17	+	5	0	0.36
76394	15 36 10.65	−58 48 15.5	9.59	G	234.044 363 55	−58.804 312 66	8.95	−137.72	−83.53	3.33	3.16	4.50	3.79	3.93	+	0	−20	−29	−	5	+13	−30	+	2	−	5	+20	−17	2			
76395	15 36 11.38	−33 05 33.9	6.26	G	234.047 404 79	−33.092 746 41	8.89	−20.35	−24.51	0.71	0.56	0.83	0.80	0.82	−21	−35	−16	+13	−10	+	4	−	9	+20	+	7	−49	0	−2.09			
76396 H	15 36 11.90	−65 06 52.2	7.18	H	234.049 598 09	−65.114 493 48 A	4.56	−46.76	−44.45	0.79	0.87	1.08	0.90	1.02	−	5	−	7	+	0	+	6	+12	−	4	+16	+22	−13	−12	4	0.32		
76397	15 36 12.14	−44 23 48.1	5.44	1 H	234.050 568 91	−44.396 689 03	4.95	−45.01	−55.17	0.70	0.52	0.92	0.59	0.65

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
76301	8.282	0.012	7.947	0.009		0.342	0.015	G	0.40	0.02	H	7.9935	0.0015	0.013	98		7.97	8.02		C			1							S
76302	9.164	0.018	8.836	0.019		0.316	0.028	T	0.36	0.04	L	8.8746	0.0026	0.018	78		8.84	8.91					1							
76303	8.365	0.008	7.082	0.007		1.092	0.008	T	1.05	0.01	L	7.1221	0.0009	0.007	124		7.11	7.14		C			1							S
76304	8.861	0.015	8.199	0.013		0.589	0.015	G	0.66	0.01	H	8.2521	0.0015	0.012	88		8.23	8.28		C			1 G							S
76305	7.587	0.007	7.454	0.009		0.128	0.011	T	0.14	0.01	L	7.4966	0.0010	0.011	132		7.48	7.51		C			1							S
76306	9.377	0.014	7.524	0.007		1.541	0.012	T	1.60	0.03	L	7.4801	0.0016	0.014	123		7.46	7.50					1							S
76307	7.275	0.006	5.328	0.003		1.650	0.006	T	1.90	0.03	O	5.2276	0.0027	0.020	120		5.20	5.25		U 2			1							S
76308	10.600	0.039	10.149	0.042		0.425	0.053	T	0.49	0.06	L	10.0605	0.0031	0.024	96		10.00	10.10		C			1 S							G
76309	8.519	0.009	8.096	0.009		0.403	0.015	G	0.47	0.02	H	8.1391	0.0012	0.013	120		8.12	8.16		C			1							S
76310	7.386	0.006	7.320	0.008		0.060	0.009	T	0.07	0.01	L	7.3363	0.0013	0.008	75		7.32	7.35		C			1							S
76311	7.504	0.007	6.103	0.004		1.184	0.006	T	1.14	0.01	L	6.1335	0.0007	0.006	102		6.12	6.14					1							S
76312	11.101	0.071	10.105	0.048		0.871	0.064	T	0.88	0.05	L	10.0614	0.0037	0.025	76		10.02	10.10		C			1							G
76313	11.994	0.165	11.454	0.181		0.506	0.220	T	0.58	0.23	L	11.5548	0.0425	0.274	70		11.32	11.95	0.31	P 1 A			1							G
76314	8.490	0.015	7.937	0.011		0.539	0.015	G	0.61	0.02	H	7.9877	0.0011	0.008	82		7.97	8.01		D			1							S
76315	9.770	0.022	8.516	0.014		1.063	0.021	T	1.12	0.03	L	8.5309	0.0019	0.015	94		8.51	8.56			15354+6005	I 1	1							S
76316						1.590	0.010	G	2.39	0.02	A	12.7602	0.0691	0.636	35		11.48	13.90			15353+1743	I 1	S							G
76317	9.512	0.018	7.939	0.009		1.319	0.016	T	1.28	0.02	L	7.9423	0.0014	0.011	108		7.92	7.96					1							S
76318	8.051	0.009	7.724	0.011		0.303	0.009	G	0.35	0.01	H	7.7843	0.0011	0.009	78		7.76	7.81		C			1							S
76319	9.650	0.027	8.254	0.015	*	1.180	0.024	T	1.14	0.02	L *	8.3008	0.0021	0.012	65	*	8.27	8.32		C	15354+0908	H 1	2 C B	AB	245	0.208	0.036	2.54	0.58	S
76320	9.410	0.015	8.194	0.010		1.039	0.014	T	1.01	0.01	L	8.2608	0.0014	0.016	127		8.23	8.30		C			1							S
76321	10.560	0.035	10.211	0.040		0.331	0.050	T	0.39	0.07	L	10.1952	0.0026	0.032	126		10.14	10.25					1							
76322	10.381	0.050	9.831	0.048		0.584	0.015	G	0.66	0.01	H	9.8461	0.0021	0.023	67		9.79	9.89		C			1							
76323	10.041	0.037	9.351	0.032		0.625	0.037	T	0.69	0.03	L	9.4415	0.0022	0.015	66		9.42	9.47					1							
76324	7.992	0.011	7.948	0.017		0.072	0.020	G	0.08	0.02	H	7.9577	0.0026	0.023	66		7.92	7.98		U			1							S
76325	9.914	0.029	9.391	0.028		0.491	0.036	T	0.56	0.04	L	9.4431	0.0028	0.023	74		9.40	9.48		C			1							
76326	10.988	0.072	8.997	0.023		1.687	0.062	T	2.52	0.09	O	8.7784	0.0048	0.032	69		8.73	8.83		U			1							
76327	8.005	0.008	7.509	0.007		0.478	0.008	T	0.55	0.01	L	7.5468	0.0013	0.012	112		7.53	7.57		C			1							S
76328	9.911	0.028	8.891	0.020	*	0.889	0.025	T	0.89	0.02	L *	8.9329	0.0019	0.016	87	*	8.90	8.95		D	15355−4751	H 1	2 C A	AB	202	0.276	0.006	0.66	0.10	
76329	10.085	0.036	8.980	0.023		0.953	0.033	T	0.94	0.02	L	8.9893	0.0022	0.016	78		8.95	9.01					1							
76330	9.734	0.016	8.729	0.012		0.866	0.016	T	0.88	0.01	L	8.7558	0.0021	0.020	144		8.72	8.79					1							
76331	10.485	0.039	10.024	0.040		0.458	0.015	G	0.53	0.02	H	10.1107	0.0034	0.026	96		10.06	10.15					1							
76332	10.710	0.041	9.014	0.018		1.416	0.035	T	1.40	0.06	L	9.0153	0.0018	0.020	119		8.98	9.05					1 S							
76333	5.205	0.003	4.031	0.002		1.007	0.003	T	1.02	0.02	A	4.0672	0.0006	0.004	73		4.06	4.09			15355−1447	I 1	1							S
76334											T	13.0408	0.0240	0.340	52		12.09	13.37		U			1 S							G
76335	10.406	0.043	9.119	0.024		1.095	0.038	T	1.06	0.04	L	9.1634	0.0027	0.021	79		9.12	9.20					1							
76336	10.903	0.066	10.109	0.051		0.704	0.064	T	0.76	0.05	L	10.2108	0.0033	0.023	76		10.17	10.26		C			1							G
76337	7.343	0.007	6.210	0.004		0.975	0.006	T	0.96	0.01	L	6.2654	0.0009	0.007	73		6.25	6.28					1							S
76338	8.952	0.017	8.256	0.014		0.642	0.018	T	0.71	0.02	L	8.3123	0.0017	0.014	64		8.29	8.35		C			1							S
76339	10.205	0.031	8.948	0.018		1.071	0.028	T	1.04	0.02	L	9.0201	0.0018	0.017	82		8.99	9.05		C			1							
76340	8.432	0.009	8.416	0.011		0.015	0.012	T	0.03	0.01	L	8.4374	0.0012	0.016	144		8.40	8.46					1							
76341	8.002	0.010	7.972	0.014		0.030	0.015	G	0.05	0.01	H	7.9993	0.0013	0.012	85		7.98	8.02					1							
76342											T	11.3464	0.0053	0.042	111		11.26	11.41					1							G G
76343	11.095	0.044	9.419	0.018		1.427	0.039	T	2.98	0.06	O	9.0628	0.0119	0.142	166		8.86	9.26		U 2 C			1 S							P
76344	10.234	0.024	9.081	0.016		0.990	0.022	T	0.97	0.02	L	9.1064	0.0022	0.022	135		9.07	9.14					1							
76345	9.869	0.022	9.189	0.019		0.629	0.024	T	0.70	0.02	L	9.2351	0.0020	0.020	116		9.19	9.28					1							S
76346	9.650	0.020	8.963	0.018		0.615	0.002	G	0.68	0.00	H	9.0460	0.0022	0.021	100		9.01	9.07					1							
76347	10.387	0.026	9.087	0.014		1.105	0.023	T	1.07	0.02	L	9.1420	0.0024	0.023	149		9.10	9.17					1							
76348	10.042	0.022	8.900	0.014		0.982	0.020	T	0.96	0.02	L	8.9381	0.0020	0.019	158		8.90	8.98					1							
76349	9.309	0.019	8.808	0.019		0.471	0.024	T	0.54	0.03	L	8.8515	0.0022	0.017	85		8.81	8.89		C			1							S
76350	9.885	0.017	8.814	0.012		0.927	0.016	T	0.92	0.01	L	8.8872	0.0020	0.020	134		8.85	8.92					1							
76351	9.808	0.018	8.772	0.013	A	0.891	0.017	T	0.90	0.01	L	8.8565	0.0307	0.030	154	A	8.79	8.91		D	15357−8012	I 2	1 C P D							D
76352	8.944	0.015	8.801	0.018		0.259	0.015	G	0.29	0.02	H	8.8386	0.0017	0.013	78		8.82	8.86		C			1							
76353	10.662	0.046	9.969	0.040		0.640	0.050	T	0.70	0.04	L	10.0619	0.0034	0.033	109		10.01	10.13					1							
76354	10.871	0.062	9.509	0.032		1.154	0.055	T	1.12	0.05	L	9.5711	0.0029	0.026	72		9.52	9.61		C			1 S							
76355	11.044	0.064	10.386	0.057		0.610	0.072	T	0.68	0.06	L	10.5749	0.0052	0.040	85		10.48	10.64					1							G
76356	10.483	0.037	9.038	0.019		1.219	0.033	T	1.18	0.03	L	9.0485	0.0024	0.014	88		9.02	9.07		C			1							
76357	8.851	0.014	8.826	0.018		0.023	0.020	T	0.04	0.02	L	8.8322	0.0019	0.015	89		8.80	8.86		C			1							
76358	9.581	0.017	9.083	0.016		0.440	0.015	G	0.51	0.02	H	9.1374	0.0017	0.015	119		9.11	9.16		C			1							
76359	9.875	0.021	9.636	0.025		0.228	0.031	T	0.25	0.04	L	9.6609	0.0028	0.027	121		9.63	9.72					1							
76360	10.651	0.045	10.156	0.048		0.478	0.015	G	0.55	0.02	H	10.2102	0.0038	0.034	79		10.16	10.26					1							
76361	9.062	0.017	8.444	0.015	*	0.572	0.017	T	0.64	0.02	L *	8.4977	0.0020	0.013	75	*	8.48	8.52		D	15358−5654	I 1	2 C A	AB	237	0.392	0.005	1.01	0.03	
76362											T	11.9832	0.4387			B				D	15357−8012	I 2	1 C I D							D
76363	9.716	0.031	9.108	0.029		0.565	0.031	T	0.64	0.03	L	9.1544	0.0023	0.013	71		9.12	9.17					1							
76364	10.042	0.025	8.822	0.016		1.043	0.023	T	1.01	0.02	L	8.8689	0.0019	0.017	94		8.84	8.90					1							
76365	7.065	0.005	6.740	0.006		0.325	0.015	G	0.38	0.02	H	6.7821	0.0009	0.008	77		6.77	6.79		C			1							S
76366	7.998	0.008	6.442	0.004		1.306	0.007	T	1.27	0.01	L	6.4589	0.0008	0.008	156		6.45	6.47		C			1							S
76368	8.255	0.017	7.675	0.013	*	0.591	0.015	G	0.65	0.01	L *	7.7116	0.0016	0.009	45	*	7.69	7.73		D	15359+1255	I 1	2 C A	AB	141	0.425	0.007	1.47	0.03	S
76369	8.517	0.008	8.303	0.009		0.211	0.015	G	0.23	0.02	H	8.3336	0.0015	0.015	166		8.31	8.36		C			1							S
76370	9.695	0.024	9.058	0.022		0.586	0.024	T	0.66	0.02	L	9.1065	0.0026	0.015	68		9.08	9.13		C			1							
76371	4.287	0.005	4.460	0.005	*	−0.175	0.003	G	−0.20	0.02	A *	4.4911	0.0010	0.008	83	*	4.48	4.50	2.09	P 1 A	15359−4458	I 1	2 C A	AB	8	2.150	0.002	1.96	0.01	S
76372	7.496	0.007	6.170	0.004		1.125	0.006	T	1.09	0.01	L	6.2042	0.0008	0.008	64		6.19	6.22		C			1							S
76373	10.902	0.064	9.029	0.021		1.556	0.053	T	1.57	0.05	L	9.0007	0.0027	0.016	75		8.96	9.03		C			1							
76374						1.320	0.020	G	1.53	0.03	I	11.6980	0.0058	0.074	139		11.57	11.82		R			1							G
76375	8.852	0.010	7.738	0.007		0.946	0.008	G	0.99	0.01	I	7.7889	0.0014	0.014	132		7.76	7.81		M	15360+3949	I 2	1							S
76376	5.833	0.003	5.777	0.003		0.051	0.004	T	0.06	0.00	L	5.7962	0.0006	0.005	113		5.79	5.81					1 G							S
76377	10.418	0.047	8.198	0.014		1.833	0.039	T	1.86	0.04	L	8.3035	0.1859	1.233	80		7.29	11.01	510.30	P 1 B	15360−4930	I 1	1 V							G P
76378	7.559	0.006	7.530	0.007		0.031	0.009	T	0.05	0.01	L	7.5450	0.0016	0.014	143		7.52	7.57					1							S
76379	9.593	0.022	8.537	0.016		0.916	0.021	T	0.91	0.01	L	8.6019	0.0014	0.015	86		8.57	8.63		C			1							
76380	8.975	0.009	8.516	0.009		0.433	0.012	T	0.50	0.01	L	8.5759	0.0013	0.020	191		8.54	8.61					1							S
76381	9.154	0.012	8.641	0.011		0.482	0.015	T	0.55	0.02	L	8.7043	0.0017	0.018	132		8.67	8.74					1							S
76382	7.940	0.007	6.885	0.004	*	0.906	0.006	T	0.95	0.01	L *	6.9252	0.0011	0.010	131	*	6.91	6.94		D	15360+3949	I 2	2 C A	AB	338	0.322	0.002	0.19	0.02	S
76383	7.658	0.010	7.365	0.009		0.279	0.013	T	0.32	0.02	L	7.4073	0.0015	0.010	69		7.39	7.43		C			1 G							S
76384	7.081	0.005	6.734	0.005		0.329	0.007	T	0.38	0.01	L	6.7798	0.0016	0.013	107		6.76	6.80					1							S
76385	8.866	0.027	8.412	0.035	*	0.450	0.015	G	0.52	0.02	H *	8.7532	0.0016	0.015	119	*	8.73	8.78		D	15361+5531	I 1	2 C A	AB	141	1.399	0.005	0.44	0.02	S
76386	9.755	0.017	7.969	0.008		1.488	0.015	T	1.51	0.02	L	7.9296	0.0013	0.015	183		7.91	7.96		C			1							
76387	9.405	0.016	8.891	0.015	*	0.483	0.020	T	0.55	0.02	L *	8.7444	0.0021	0.017	127	*	8.72	8.78		D	15361+4849	I 1	2 C A	AB	183	1.088	0.004	0.40	0.02	S
76388	10.044	0.021	8.769	0.013	*	1.086	0.020	T	1.05	0.02	L *	8.8144	0.0014	0.017	142	*	8.78	8.85		D	15361+2517	H 1	2 C S C	AB	149	0.130	0.065	2.03	1.32	S
76389	10.420	0.030	8.855	0.014		1.340	0.015	G	1.30	0.02	H	8.8690	0.0025	0.022	119		8.84	8.91					1							
76390	10.421	0.045	9.814	0.041	A	0.560	0.072	G	0.63	0.07	R *	9.8194	0.0041	0.031	66	*	9.75	9.87		D	15361+0738	H 1	2 C A	AB	245	1.497	0.030	2.51	0.19	
76391	8.819	0.010	8.293	0.010	A	0.538	0.015	G	0.61	0.02	H *	8.3005	0.0018	0.017	130	*	8.27	8.33			15361−8144	I 1	2 C A	AB	41	2.576	0.021	2.90	0.08	S
76392	9.187	0.016	7.848	0.010		1.136	0.015	T	1.10	0.02	L	7.8851	0.0016	0.010	77		7.86	7.90		C			1							
76393	10.081	0.029	9.673	0.031		0.399	0.035	T	0.46	0.04	L	9.7269	0.0049	0.030	78		9.68	9.77					1							
76394	10.402	0.046	9.628	0.039		0.607	0.003	G	0.68	0.00	H	9.7581	0.0041	0.028	78		9.71	9.81		C			1 X							G
76395	6.155	0.004	6.244	0.005		−0.070	0.009	G	−0.05	0.01	H	6.2358	0.0007	0.006	72		6.22	6.25		C	15362−3306	I 1	1							S
76396	7.283	0.005	7.199	0.007	A	0.100	0.495	G	0.06	0.01	L *	7.2070	0.0013	0.012	130	*	7.18	7.23			15362−6507	I 1	2 C B	AB	187	2.527	0.036	3.57	0.14	S
76397	7.417	0.006	5.614	0.003		1.497	0.001	G	1.49	0.01	L	5.5741	0.0013	0.010	93		5.56	5.59		U 2			1							S
76398	8.258	0.008	7.573	0.007		0.633	0.009	T	0.70	0.01	L	7.6258	0.0010	0.012	164		7.61	7.65					1							S
76399	9.988	0.028	8.442	0.015		1.298	0.025	T	1.26	0.03	L	8.4577	0.0017	0.018	83		8.43	8.50		C			1							
76400	8.798	0.012	7.980	0.010		0.693	0.002	G	0.75	0.00	H	8.0487	0.0015	0.011	98		8.03	8.07		C			1							S

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg		Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)										Soln F1 %	F2
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
76401	15 36 13.05	−72 50 21.5	7.31	H	234.054 390 94	−72.839 309 78		3.37	−13.48	−6.08	0.45	0.51	0.69	0.49	0.60	+14	−7	+3	−16	+2	−8	−1	+23	+10	+19	2	0.06
76402 H	15 36 14.66	+49 14 56.9	9.15	H	234.061 065 22	+49.249 130 68	*	3.47	−5.91	−32.78	0.87	0.78	0.95	1.00	0.87	+2	+11	+11	−19	+6	−19	+7	+1	+2	+7	0	1.21
76403	15 36 14.76	+50 05 35.5	8.78	H	234.061 509 06	+50.093 202 20		7.27	26.56	18.13	0.72	0.68	0.80	0.86	0.83	−2	−5	+2	+5	+8	+16	+8	+10	−7	+3	0	−1.59
76404	15 36 15.32	+07 24 45.7	9.22	G	234.063 845 01	+07.412 702 75		5.38	−97.38	−226.11	1.19	1.04	1.52	1.61	1.24	−6	−27	−31	−3	−4	−23	−9	+1	−6	−8	3	2.99
76405 H	15 36 15.44	−38 50 46.8	8.49	G	234.064 319 56	−38.846 341 27	*	6.49	8.64	−36.32	1.92	1.02	1.37	1.54	1.25	−17	−14	−2	+10	−4	−5	−7	+32	−1	+1	2	0.77
76406 H	15 36 17.34	−30 34 46.0	9.55	H	234.072 259 25	−30.579 449 39	A	12.08	−32.11	−69.79	2.66	1.69	2.76	2.74	2.31	−7	−14	−8	−6	−8	−19	−17	+12	+16	−12	1	1.02
76407	15 36 17.77	−65 36 47.3	6.51	H	234.074 056 58	−65.613 142 36		12.49	−74.74	−60.26	0.42	0.49	0.67	0.47	0.59	−7	−15	−1	+0	−1	−14	+5	+30	−14	−17	0	1.30
76408	15 36 18.94	+18 50 03.7	8.51	H	234.078 932 42	+18.834 367 81		17.08	−52.51	53.48	0.80	0.79	1.10	0.90	0.98	−37	−18	+2	−11	−25	+28	−27	+16	−4	−44	1	−0.88
76409	15 36 22.79	+02 55 33.7	8.98	H	234.094 972 62	+02.926 020 88		3.28	−33.35	−9.73	1.24	0.92	1.68	1.59	1.41	−6	−45	−21	+23	+19	−32	−4	−21	+34	−28	2	0.64
76410	15 36 23.20	−07 53 43.0	8.49	H	234.096 686 27	−07.895 289 15		4.93	−2.45	−0.72	1.03	0.62	1.22	1.20	0.97	−43	−39	+14	+26	−17	+7	−23	+19	+18	−30	0	−0.40
76411	15 36 24.05	−53 29 13.6	8.85	H	234.100 200 54	−53.487 121 44		5.37	−14.37	−31.24	0.90	0.73	1.16	1.02	0.98	+6	−25	−22	+21	+2	−17	+3	+27	−20	+12	4	1.48
76412	15 36 25.35	+44 57 01.9	8.23	H	234.105 624 87	+44.950 538 32		3.60	−6.50	14.93	0.67	0.61	0.76	0.82	0.75	+10	−10	−12	+2	−18	+3	−17	+0	−10	−11	0	−1.22
76413	15 36 25.95	−05 50 25.1	8.10	H	234.108 117 51	−05.840 308 16		8.04	−23.13	−45.79	0.92	0.60	1.02	1.19	0.88	−31	−12	−9	+27	−4	+7	+1	+1	+2	−20	0	0.76
76414 H	15 36 26.19	+37 22 35.7	8.10	2 H	234.109 129 82	+37.376 572 22	*	0.72	−13.18	8.65	0.69	0.72	0.96	0.84	0.90	+15	−9	−6	−12	−1	−6	+0	−2	−12	+11	2	1.95
76415	15 36 26.71	−44 00 37.3	7.28	H	234.111 281 10	−44.010 374 36		0.76	−9.75	−10.86	0.74	0.58	0.98	0.76	0.75	−24	−28	−18	−1	−6	−29	−7	+28	−10	−35	0	0.51
76416	15 36 27.00	−57 00 51.5	7.88	H	234.112 518 66	−57.014 299 04		2.07	−8.46	−11.20	0.71	0.73	1.03	1.01	1.07	−3	−7	−18	−1	−10	−29	−18	+27	−18	+9	6	1.47
76417	15 36 27.23	+45 30 52.0	10.28	H	234.113 446 12	+45.514 436 13		8.20	6.43	−198.76	1.52	1.49	1.79	1.71	1.76	+4	−12	−1	−6	−14	+10	−15	−8	+5	−14	0	
76418	15 36 27.40	+19 08 49.8	9.18	H	234.114 179 64	+19.147 163 50		10.63	19.18	4.29	1.03	1.03	1.41	1.26	1.37	−40	−21	−8	−2	−30	+14	−33	+10	+19	−45	0	−2.08
76419	15 36 27.64	−37 22 23.1	8.26	H	234.115 180 70	−37.373 089 16		10.41	−91.26	−68.60	0.86	0.69	1.09	0.96	0.95	−27	−20	−18	+23	−5	−2	+1	+41	−14	−30	0	1.39
76420	15 36 27.93	−11 59 44.2	9.74	G	234.116 382 63	−11.995 613 41		7.94	−197.43	−3.02	1.48	0.97	1.69	1.48	1.27	−25	−39	−12	+16	−4	+5	−1	+14	−3	−31	2	2.81
76421	15 36 28.11	+20 44 21.7	10.73	H	234.117 106 26	+20.739 366 59		9.39	−173.40	106.99	1.43	1.42	1.97	1.97	2.01	−3	+0	−19	−27	−31	+7	−28	−18	+21	−20	0	−0.01
76422	15 36 28.13	−66 32 43.6	6.83	H	234.117 225 69	−66.545 444 34		3.18	8.50	21.29	0.36	0.48	0.75	0.38	0.57	+20	+0	+9	−24	−14	−9	−18	+26	−6	+27	1	−0.94
76423	15 36 28.19	+15 06 05.0	6.51	2 H	234.117 455 52	+15.101 401 12		6.27	−3.41	9.55	0.90	0.76	1.00	1.04	0.90	−11	−30	−9	+28	+18	−10	+7	−35	+15	−25	0	−1.28
76424	15 36 29.20	+16 07 08.8	5.93	H	234.121 648 31	+16.119 098 20		20.40	71.54	−5.54	0.62	0.59	0.81	0.60	0.68	−24	−26	+12	−37	−17	+12	−20	−11	+2	−39	2	−0.64
76425	15 36 29.55	+10 00 37.6	5.26	G	234.123 133 10	+10.010 454 90		13.89	46.67	−114.73	0.72	0.47	0.70	0.82	0.61	+1	−24	−9	+27	−17	+9	−12	+23	−21	+3	0	−0.49
76426	15 36 33.39	+27 10 29.4	9.83	H	234.139 108 12	+27.174 825 82		2.35	13.46	−18.78	1.14	1.11	1.70	1.14	1.28	−8	+2	+20	+57	−6	+2	−9	+34	−12	−21	0	2.51
76427	15 36 33.72	−00 33 41.3	6.51	G	234.140 511 18	−00.561 479 28		6.34	−22.58	−21.48	0.77	0.50	0.92	0.79	0.69	−10	−50	−17	+10	−8	+1	−8	+10	−1	−24	0	0.04
76428	15 36 33.85	+42 07 48.7	9.06	H	234.141 041 21	+42.130 195 94		9.29	−129.13	57.89	0.74	0.85	0.96	0.91	1.07	+9	+1	−5	+14	+0	+16	+2	+18	+0	−11	0	1.00
76429 H	15 36 34.66	−74 21 14.5	8.36	H	234.144 397 42	−74.354 019 04	A	9.61	−14.18	29.23	2.00	1.99	2.24	1.54	1.96	+13	−24	−19	+2	−8	−1	−5	+7	−6	+15	3	2.42
76430	15 36 35.22	−23 59 44.9	8.02	H	234.146 760 85	−23.995 810 71		5.71	−32.07	−29.67	1.13	0.63	1.28	1.53	0.99	−7	−27	−28	−27	+2	−8	−8	−16	+16	+1	0	−1.02
76431	15 36 35.93	−17 00 54.2	7.74	G	234.149 727 79	−17.015 051 19		12.67	−63.00	−56.31	1.00	0.63	1.19	1.24	1.12	−20	−13	−17	+5	−11	+28	−2	+21	−28	−37	0	−0.45
76432	15 36 36.39	+43 15 22.0	8.84	H	234.151 640 79	+43.256 123 52		2.17	−18.05	3.59	0.78	0.78	0.93	0.95	0.91	+7	−15	+10	+24	+19	+1	+18	+21	+2	+10	1	0.94
76433	15 36 39.67	−71 58 53.6	9.03	H	234.165 278 55	−71.981 557 36		3.79	−55.63	−24.59	0.68	0.94	1.19	0.70	1.13	+14	−31	−2	+9	+2	−3	+5	+27	−5	+6	0	0.00
76434	15 36 40.11	−60 33 01.1	8.93	H	234.167 128 20	−60.550 297 22		1.43	−4.48	−8.45	0.86	0.83	1.19	1.08	1.25	+8	−22	−15	+46	+33	−26	+37	+27	−12	−2	2	−0.42
76435 H	15 36 40.80	−42 07 48.6	8.84	2 H	234.170 008 13	−42.130 155 14	A	15.64	−44.99	−83.52	4.03	3.14	4.59	3.92	3.41	−11	+1	−14	+6	+4	+0	+11	+25	−22	−19	15	5.36
76436	15 36 41.04	−11 26 06.1	10.09	G	234.170 988 78	−11.435 021 14		6.58	35.47	34.23	1.54	0.87	1.70	1.68	1.23	−8	−41	−10	+8	+0	+17	+4	+6	−4	−16	0	0.06
76437	15 36 41.79	−49 29 33.5	10.69	H	234.174 128 94	−49.492 633 94		6.43	3.44	2.17	1.81	1.58	2.27	2.02	2.04	−17	−16	−24	+0	+0	−7	+0	+18	+1	−29	0	0.61
76438	15 36 42.59	+14 55 29.4	7.08	H	234.177 454 28	+14.924 842 03		7.23	−23.80	−20.43	0.96	0.69	1.02	1.15	0.88	+3	−28	−5	+48	+21	−6	−5	−30	+25	−25	0	−0.84
76439	15 36 42.74	+01 00 20.0	9.87	H	234.178 086 27	+01.005 554 94		2.33	−2.20	−1.64	1.30	0.85	1.38	1.63	1.17	+6	−8	−19	+9	−8	+2	−6	−6	−11	+8	2	0.28
76440	15 36 43.19	−66 19 00.9	4.11	H	234.179 945 43	−66.316 904 69		15.09	24.51	−54.66	0.32	0.44	0.62	0.33	0.50	+14	−10	−3	−14	−15	−11	−16	+32	−10	+16	0	−1.09
76441	15 36 43.91	+10 35 05.3	8.79	H	234.182 972 19	+10.584 794 54		2.50	−9.72	2.32	1.29	0.77	1.27	1.74	1.08	+10	−39	−9	+10	−14	−1	−10	+7	−5	+15	0	−0.14
76442	15 36 44.02	−41 03 37.5	7.61	G	234.183 417 05	−41.060 424 58		4.63	−13.66	−13.02	0.68	0.58	0.85	0.78	0.79	−26	−19	−11	+24	−8	+3	−3	+38	−9	−32	0	−0.81
76443	15 36 44.77	+11 36 03.8	7.70	H	234.186 557 23	+11.601 064 78		3.98	−8.67	−66.81	0.93	0.76	1.11	1.21	1.08	−30	−35	+18	+17	−14	−39	−13	+8	+13	−32	0	−1.91
76444	15 36 45.58	−32 34 53.1	8.76	H	234.189 903 70	−32.581 425 83		6.07	−24.12	−4.84	1.06	0.75	1.27	1.32	1.14	−10	−3	−21	+25	+6	+8	+9	+10	+31	−19	0	−1.33
76445	15 36 45.79	+30 40 05.4	9.80	H	234.190 803 53	+30.668 175 97		4.08	−15.68	15.76	0.75	0.95	1.36	0.75	1.06	+38	−9	−9	+0	+3	−13	+7	+19	−19	+25	2	2.69
76446 H	15 36 46.52	−50 10 06.2	8.38	G	234.193 814 04	−50.168 393 28	A	16.50	−70.50	−150.94	1.52	1.47	1.81	1.87	1.99	−27	−11	−14	+23	−11	−16	−10	+40	−4	−35	1	0.78
76447	15 36 46.58	−44 43 21.2	9.26	H	234.194 065 36	−44.722 543 52		4.24	−26.65	−21.33	0.99	0.77	1.33	0.97	1.01	−23	−32	+0	−1	−1	−19	+3	+13	−10	−24	4	1.63
76448	15 36 47.51	−29 11 35.1	9.52	H	234.197 940 04	−29.193 084 84		−0.60	8.98	6.90	1.50	0.93	1.72	1.56	1.52	−18	+9	−28	−8	−16	−9	−28	+29	−31	−18	0	0.08
76449	15 36 48.26	−40 41 30.8	8.11	2 H	234.201 097 57	−40.691 887 44		−1.00	0.07	2.30	0.86	0.70	1.03	1.08	1.00	−20	−14	−1	+37	+0	+8	+2	+43	+2	−18	0	−0.09
76450	15 36 48.65	+80 36 51.8	6.89	H	234.202 698 75	+80.614 379 90		6.32	−39.68	48.90	0.48	0.50	0.54	0.53	0.62	+12	−24	−22	−12	−12	+6	−7	+19	−6	−2	1	−0.81
76451 H	15 36 50.33	−04 38 16.8	8.28	G	234.209 696 96	−04.637 990 46	A	6.10	−13.97	−32.89	2.48	1.20	1.95	2.27	1.49	−28	−27	−6	+7	+0	+20	+13	−7	−22	+2	2	−0.37
76452	15 36 50.55	+37 34 50.2	11.22	G	234.210 612 85	+37.580 603 10		18.21	−275.06	−88.75	1.20	1.26	1.65	1.51	1.51	+3	+1	−12	−6	+12	−7	+10	−11	+2	−5	2	−0.95
76453	15 36 50.69	−20 20 52.2	10.32	H	234.211 210 90	−20.347 819 72		5.99	−20.50	−17.53	2.15	1.19	2.28	3.26	2.08	−1	−4	−14	−13	−14	−14	−22	+8	−29	+33	0	−0.96
76454	15 36 52.68	−67 29 04.8	8.06	1 H	234.219 487 97	−67.484 671 27		3.66	−7.56	−17.33	0.43	0.57	0.85	0.48	0.70	+30	−13	+1	−14	−5	−3	−7	+13	+1	+36	0	0.80
76455	15 36 52.91	−53 43 07.2	7.81	H	234.220 454 15	−53.718 658 78		3.52	8.28	7.96	0.79	0.63	0.99	0.85	0.79	+4	−38	−20	+18	+0	−19	+0	+28	−11	−1	2	1.95
76456	15 36 53.37	+29 59 28.8	6.46	H	234.222 367 63	+29.991 321 77		27.77	88.65	−57.38	0.39	0.48	0.72	0.39	0.56	+29	−18	−8	−29	−6	+1	−4	+4	+3	+20	1	1.12
76457 H	15 36 53.51	−38 10 50.7	8.18	G	234.222 956 39	−38.180 756 33	A	6.71	−24.68	−34.64	1.66	1.43	1.40	1.51	1.19	−2	−1	−8	+27	+15	+9	+24	+22	−10	+25	4	−0.48
76458	15 36 54.26	−15 30 50.3	7.86	H	234.226 075 99	−15.513 984 97		3.18	−25.12	−21.54	1.06	0.64	1.28	1.28	0.89	−20	−36	−2	+7	+5	+39	+11	+11	−1	−5	0	2.25
76459	15 36 54.49	+40 18 43.1	8.99	H	234.227 031 52	+40.311 959 44		2.95	−1.40	8.69	0.74	0.85	1.00	0.91	0.99	+16	−16	−17	−20	−14	+8	−7	+14	−16	+6	1	0.53
76460	15 36 55.16	+32 34 54.6	9.14	2 H	234.229 837 24	+32.581 827 02	*	4.73	8.24	−31.95	0.78	1.01	1.28	0.88	1.08	+22	−9	−11	−10	+8	+10	+3	−10	+7	+19	0	0.07
76461	15 36 55.77	−46 09 04.7	8.02	H	234.232 362 77	−46.151 295 98		10.68	−13.06	−18.22	0.80	0.64	1.02	0.88	0.81	−17	−36	−12	+8	+7	−22	+6	+18	−1	−27	0	−1.63
76462	15 36 57.35	−16 58 48.7	12.91	H																							
76463	15 36 57.54	−04 57 03.1	8.24	H	234.239 763 29	−04.950 874 47		4.91	−21.16	−18.13	1.09	0.60	1.23	1.62	1.02	−15	−40	+6	−8	−7	+6	−7	−2	−3	+11	0	−1.38
76464	15 36 58.81	−32 48 59.0	8.19	H	234.245 056 47	−32.816 390 39		3.47	−2.85	1.02	1.03	0.75	1.26	1.28	1.16	−18	−17	−23	+16	+7	+11	+9	+2	+20	−37	0	−0.02
76465	15 36 59.90	+04 28 38.0	10.52	H	234.249 573 41	+04.477 235 71		7.40	−3.10	2.70	1.53	1.28	1.74	1.84	1.78	−35	−21	−13	+5	+20	−7	+16	−24	+11	−47	0	−0.49
76466 H	15 37 00.37	+64 26 23.3	8.70	H	234.251 532 26	+64.439 811 47	*	18.82	6.08	40.83	1.40	1.71	0.93	0.86	1.25	+23	+4	−8	−15	−3	−4	−5	+1	+0	−3	1	−0.54
76467	15 37 00.45	−10 28 29.7	9.42	G	234.251 891 74	−10.474 913 75		6.62	−24.75	−6.45	1.38	0.79	1.34	1.60	1.07	+0	−37	−17	+33	−11	+1	−10	+28	−2	−9	0	0.86
76468 H	15 37 01.38	−00 40 55.8	9.31	H	234.255 753 92	−00.682 172 13	A	6.72	−26.35	−16.46	2.53	1.70	2.75	2.74	2.59	−21	−36	−8	+6	−9	−7	−8	+13	−5	−38	0	1.47
76469	15 37 01.45	−37 14 35.5	8.92	H	234.256 049 14	−37.243 193 42		9.17	−0.53	−29.50	1.01	0.79	1.22	1.14	1.10	−33	−21	+0	+22	−6	−3	−3	+40	−4	−29	0	−1.63
76470	15 37 01.46	−28 08 06.3	3.60	H	234.256 077 48	−28.135 070 99		16.76	−13.26	−3.48	0.77	0.51	0.84	0.73	0.71	−32	−43	+3	+16	−22	+8	−17	+39	−9	−40	0	−0.79
76471	15 37 02.09	+11 36 36.6	8.65	G	234.258 704 00	+11.610 157 06		3.74	−0.48	−6.82	1.18	1.03	1.42	1.74	1.49	−36	−28	+22	+29	−26	−41	−22	+15	+12	−44	0	0.83
76472	15 37 04.67	−40 09 21.9	9.39	2 H	234.269 478 20	−40.156 086 28		5.70	−20.18	−27.61	1.30	0.97	1.63	1.72	1.42	−20	−15	−8	+32	+6	+2	+7	+43	−9	−7	0	−0.89
76473 H	15 37 06.89	−26 29 32.5	7.39	H	234.278 715 76	−26.492 374 01	*	3.46	−10.15	−5.69	2.66	1.87	1.05	1.16	0.94	−7	+11	−6	+6	−13	+0	−16	+25	+10	−1	0	−0.49
76474 H	15 37 07.04	+26 45 36.6	9.16	H	234.279 349 39	+26.760 155 33	A	2.29	15.30	−3.34	3.57	6.20	2.51	2.38	2.12	−13	+0	+7	+50	−11	+6	−6	+11	−23	−21	1	−0.38
76475	15 37 10.88	−78 52 38.2	7.74	H	234.295 335 05	−78.877 282 09		7.08	−60.28	−38.65	0.51	0.61	0.72	0.53	0.71	+11	−19	+8	+1	−6	−15	−5	+9	−6	+17	0	−0.28
76476	15 37 10.90	−41 01 07.5	7.12	G	234.295 416 09	−41.018 754 89		1.32	−4.18	−8.38	0.66	0.58	0.82	0.75	0.79	−24	−28	−21	+20	−18	+2	−12	+42	−8	−39	0	−1.57
76477	15 37 11.31	−40 15 56.6	10.57	H	234.297 137 25	−40.265 719 76		2.01	−17.23	−20.46	1.81	1.40	2.26	2.37	2.05	−21	−16	−10	+22	+1	+4	+3	+40	−13	−13	0	−1.04
76478 H	15 37 11.48	+05 25 44.7	9.88	H	234.297 844 66	+05.429 075 12	A	13.60	13.22	−16.15	8.90	12.26	9.15	10.90	15.95	−20	−23	+5	+18	−8	+18	−2	+19	−19	−31	5	1.68
76479 H	15 37 11.91	−23 39 05.6	8.89	H	234.299 610 97	−23.651 549 28	A	0.56	−8.62	−6.42	4.80	1.86	4.40	6.28	3.22	−6	−25	+3	−33	−11	−43	−32	+13	+25	−9	2	0.11
76480	15 37 13.37	−18 20 06.1	8.39	2 H	234.305 727 54	−18.335 028 77		4.92	3.33	0.40	1.17	0.69	1.32	1.57	1.16	−3	−2	−6	+26	+4	+33	+9	+16	−31	−15	0	0.10
76481	15 37 14.52	−74 25 42.1	9.37	H	234.310 520 29	−74.428 366 73		1.68	−13.30	−11.33	0.82	0.93	1.20	0.87	1.09	+28	−28	−7	+3	+8	−15	+6	+23	−8	+39	0	−0.68
76482	15 37 14.56	−48 39 17.3	10.43	H	234.310 662 38	−48.654 803 87		7.28	−34.54	4.05	1.65	1.46	2.18	1.87	1.77	−3	−11	−34	−1	+12	−13	+10	+2	−9	+1	4	−0.95
76483 H	15 37 15.40	−64 33 11.4	8.23	H	234.314 159 31	−64.553 164 43	A	1.03	−7.10	−7.12	3.77	2.78	1.32	1.09	1.22	−43	−12	−7	+5	+14	−3	+10	+19	−13	−11	1	0.86
76484	15 37 15.64	−13 22 25.2	8.30	G	234.315 164 31	−13.373 656 02		12.73	−111.45	−4.52	1.24	0.72	1.49	1.18	0.89	+4	−50	−39	+18	−14	+22	+8	+32	−24	−23	0	1.59
76485	15 37 16.97	−32 03 26.2	7.91	2 H	234.320 695 86	−32.057 265 10		8.74	−32.70	−23.64	0.84	0.70	1.07	0.94	0.87	−20	−22	−37	+0	+14	+4	+14	−12	+15	−40	0	1.73
76486	15 37 17.81	−64 31 52.2	8.12	H	234.324 210 59	−64.531 162 28		1.46	−5.98	−3.24	0.71	0.83	1.13	0.83	0.97	+8	−24	−6	+30	+28	−5	+25	+29	+2	+12	0	1.63
76487	15 37 18.11	−00 09 49.4	8.43	G	234.325 470 16	−00.163 716 59		12.01	61.37	−35.63	0.91	0.66	1.05	1.00	0.86	−11	−34	−22	+22	−10	+4	−8	+20	−5	−22	0	0.95
76488	15 37 21.64	+08 44 07.8	8.55	H	234.340 155 75	+08.735 509 61		3.55	10.41	−21.47	1.11	0.75	1.20	1.68	1.00	+15	−14	−23	+32	−9	+13	+3	+18	−27	+24	0	1.48
76489	15 37 21.78	−38 48 53.8	9.10	G	234.340 735 01	−38.814 935 16		1.86	−8.49	−19.36	1.03	0.87	1.38	1.38	1.20	−29	−7	−7	+20	+0	+1	−4	+42	−14	−10	0	0.80
76490	15 37 23.17	+62 49 02.7	9.15	H	234.346 534 57	+62.817 415 19		1.66	−10.23	−3.04	0.73	0.82	0.84	0.85	0.99	−6	+2	−13	+0	+0	−8	−1	+23	+14	+6	0	0.23
76491 H	15 37 23.25	−43 20 19.4	9.34	H	234.346 879 90	−43.338 715 37	A	6.09	−84.97	−66.78	3.45	4.30	2.03	2.16	2.26	−30	−3	+5	+22	−5	−11	−4	+23	+5	−38	1	−1.16
76492	15 37 23.62	+12 18 05.6	7.12	H	234.348 398 68	+12.301 553 96		9.36	−69.08	32.92	0.77	0.69	0.98	1.00	0.99	+3	−30	−43	+16	+5	−12	−10	−9	+12	−42	0	−1.47
76493	15 37 23.90	+31 37 01.7	9.70	H	234.349 573 02	+31.617 141 91		2.05	−1.26	−6.04	0.85	1.08	1.41	1.03	1.29	+36	+16	−3	−4	−6	−13	−8	−3	+11	+38	0	2.17
76494	15 37 25.13	+13 34 46.6	9.03	H	234.354 705 38	+13.579 599 19		3.23	16.67	−13.50	1.22	0.90	1.31	1.36	1.32	−22	−40	+0	+12	+11	+0	+8	−27	−4	−36	5	0.44
76495	15 37 25.19	−68 29 55.9	8.40	H	234.354 941 90	−68.498 873 27		7.79	−45.89	−47.98	0.48	0.69	0.99	0.57	0.85	+34	−10	+10	+3	+14	−3	+12	+13	−6	+53	0	−1.11
76496	15 37 25.33	−29 18 39.9	8.89	G	234.355 526 51	−29.311 093 19		7.74	42.04	−3.84	1.45	0.82	1.69	1.56	1.43	−7	+7	−18	−12	−16	−6	−25	+23	−45	+0	0	−0.06
*76497 H	15 37 26.06	−54 21 52.3	7.79	G	234.358 567 67	−54.364 520 34	A	4.14	−30.37	−54.67	1.07	0.89	1.30	1.17	1.17	+16	−26	−22	+1	−6	−19	−2	+27	−33	+25	3	0.61
*76498	15 37 26.04	−79 36 29.0	8.69	G	234.358 494 36	−79.608 060 15		6.92	−27.50	−21.46	0.59	0.72	0.83	0.63	0.85	+12	−8	+11	−2	−4	−13	−2	+18	−2	+11	1	0.62
76499 H	15 37 27.19	−31 31 36.2	8.33	H	234.363 287 17	−31.526 719 46	A	15.82	−2.77	−46.79	2.70	1.65	2.73	2.33	1.98	+4	−34	−22	−5	+6	−13	+2	−9	+0	−26	1	−0.20
76500	15 37 27.66	−07 34 59.0	9.85	G	234.365 251 80	−07.583 045 33		8.61	15.08	−24.74	1.19	0.75	1.41	1.50	1.19	−32	−28	+1	+20	−16	+12	−19	+17	+11	−23	0	−1.40

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
76401	7.225	0.004	7.307	0.006		−0.070	0.007	T	−0.05	0.01	L	7.2968	0.0010	0.012	171		7.28	7.32					1							S
76402	10.411	0.030	9.271	0.020	*	0.980	0.028	T	0.96	0.02	L *	9.3119	0.0023	0.021	117	*	9.28	9.35			15362+4915	H 1	2 C S C	AB	155	0.184	0.064	2.21	0.85	
76403	9.253	0.014	8.806	0.014		0.422	0.018	T	0.49	0.02	L	8.8716	0.0017	0.018	127		8.84	8.90					1							S
76404	9.928	0.034	9.339	0.030		0.625	0.004	G	0.69	0.00	H	9.3542	0.0025	0.019	73		9.31	9.39		C			1							
76405	9.047	0.014	8.548	0.014	*	0.513	0.015	G	0.59	0.02	H *	8.5985	0.0018	0.015	91	*	8.57	8.62		D	15363−3851	I 1	2 C A	AS	202	0.219	0.007	1.02	0.13	
76406	10.535	0.040	9.747	0.033	A	0.700	0.495	G	1.06	0.07	B *	9.7219	0.0027	0.021	72	*	9.68	9.77		R	15363−3035	I 1	2 C A	AB	211	1.771	0.019	2.34	0.13	
76407	6.898	0.004	6.549	0.004		0.334	0.005	G	0.39	0.01	H	6.5890	0.0007	0.009	131		6.57	6.61			15363−6537	I 1	1							S
76408	9.420	0.015	8.579	0.012		0.740	0.015	T	0.79	0.01	L	8.6496	0.0018	0.020	118		8.62	8.68					1							S
76409	10.695	0.058	9.080	0.025		1.358	0.053	T	1.33	0.06	L	9.1107	0.0028	0.026	65		9.07	9.15					1 S							
76410	10.405	0.031	8.679	0.013		1.440	0.027	T	1.44	0.04	L	8.6195	0.0019	0.015	105		8.60	8.65					1							
76411	9.148	0.017	8.840	0.018		0.293	0.023	T	0.33	0.03	L	8.9233	0.0020	0.017	86		8.89	8.95					1							
76412	9.688	0.017	8.334	0.010		1.147	0.015	T	1.11	0.01	L	8.3967	0.0015	0.018	131		8.37	8.43					1							S
76413	8.701	0.011	8.155	0.011		0.512	0.014	T	0.58	0.01	L	8.2091	0.0016	0.012	103		8.18	8.23		C			1							S
76414	10.160	0.030	8.482	0.013	*	1.402	0.026	T	1.38	0.03	L *	8.2374	0.0038	0.036	130	*	8.18	8.30		U 2	15364+3723	I 1	2 C S D	AD	63	0.106	0.008	0.00	0.86	D
76415	7.225	0.005	7.263	0.009		−0.049	0.002	G	−0.03	0.00	H	7.2744	0.0013	0.010	87		7.26	7.29		C			1							S
76416	7.888	0.011	7.890	0.011		0.003	0.014	T	0.02	0.01	L	7.8928	0.0027	0.013	78		7.87	7.92					1							S
76417	10.890	0.042	10.334	0.041		0.521	0.052	T	0.59	0.06	L	10.3922	0.0030	0.032	128		10.34	10.44					1 X							
76418	9.821	0.020	9.223	0.018		0.558	0.024	T	0.63	0.02	L	9.2993	0.0027	0.024	122		9.26	9.34					1							S
76419	8.848	0.013	8.317	0.012		0.533	0.015	G	0.61	0.02	H	8.3804	0.0013	0.013	99		8.36	8.41		C			1							
76420	10.661	0.061	9.856	0.047		0.758	0.005	G	0.80	0.01	H	9.8804	0.0027	0.024	75		9.84	9.92					1							
76421	11.944	0.134	10.601	0.061							T	10.8530	0.0032	0.038	100		10.79	10.91		C			1							G
76422	8.766	0.013	6.984	0.006		1.484	0.011	T	1.50	0.02	L	6.9544	0.0009	0.010	253		6.93	6.97					1							S
76423	8.086	0.016	6.685	0.011		1.200	0.016	T	3.64	0.04	O	6.1503	0.0075	0.098	43		6.05	6.40		U 2			1 S							S
76424	6.334	0.004	5.971	0.003		0.354	0.004	T	0.42	0.00	L	6.0163	0.0008	0.007	111		6.00	6.03		C			1							S
76425	6.463	0.005	5.360	0.004		0.925	0.044	G	0.92	0.02	A	5.4216	0.0008	0.005	56		5.41	5.43		C			1							S
76426	9.985	0.022	9.836	0.029		0.143	0.034	T	0.16	0.04	L	9.8827	0.0030	0.031	138		9.84	9.94					1							
76427	7.398	0.007	6.589	0.005		0.728	0.012	G	0.78	0.01	H	6.6371	0.0010	0.007	75		6.63	6.65		C			1							S
76428	9.655	0.017	9.125	0.016		0.497	0.021	T	0.57	0.02	L	9.1735	0.0029	0.027	128		9.13	9.22					1							S
76429	9.115	0.015	8.363	0.012	*	0.687	0.015	T	0.74	0.01	L *	8.4998	0.0019	0.022	138	*	8.47	8.54		D	15366−7421	I 1	2 C A	AB	196	6.529	0.004	0.31	0.02	S
76430	8.535	0.011	8.063	0.011		0.457	0.012	T	0.53	0.01	L	8.1266	0.0011	0.012	71		8.10	8.15					1							S
76431	8.229	0.011	7.786	0.012		0.412	0.015	G	0.48	0.02	H	7.8209	0.0016	0.009	66		7.80	7.84		C			1							S
76432	10.411	0.030	8.988	0.016		1.201	0.027	T	1.16	0.03	L	9.0086	0.0020	0.016	122		8.98	9.04		C			1							
76433	10.458	0.025	9.160	0.014		1.104	0.022	T	1.07	0.02	L	9.1956	0.0019	0.020	176		9.16	9.24					1							
76434	8.874	0.013	8.911	0.017		−0.007	0.009	G	0.01	0.01	H	8.9356	0.0021	0.017	118		8.91	8.98		C			1							
76435	9.852	0.024	9.141	0.020	A	0.724	0.096	G	0.78	0.07	R *	8.9857	0.0032	0.034	97	*	8.95	9.10		U 2	15367−4208	H 1	2 C B	AB	250	4.295	0.044	2.12	0.12	
76436	10.746	0.054	10.208	0.054		0.627	0.015	G	0.69	0.01	H	10.2069	0.0029	0.024	74		10.17	10.25					1							
76437	11.253	0.093	10.800	0.100		0.513	0.072	G	0.59	0.08	R	10.7992	0.0058	0.044	81		10.71	10.89					1 S							G
76438	7.143	0.007	7.083	0.006		0.060	0.009	T	0.07	0.01	L	7.1062	0.0018	0.009	57		7.09	7.13		C			1							S
76439	10.503	0.048	9.994	0.045		0.478	0.060	T	0.55	0.06	L	9.9738	0.0034	0.022	74		9.95	10.02		C			1							
76440	5.615	0.002	4.237	0.001		1.161	0.003	G	1.12	0.02	A	4.2736	0.0003	0.004	230		4.27	4.28		C	15367−6620	I 1	1							S
76441	10.282	0.059	8.991	0.034		1.098	0.053	T	1.06	0.06	L	8.9533	0.0033	0.015	49		8.93	8.98		C			1							
76442	7.555	0.007	7.600	0.009		−0.026	0.002	G	0.00	0.00	H	7.6184	0.0009	0.010	115		7.60	7.64					1							S
76443	9.285	0.019	7.822	0.011		1.233	0.017	T	1.19	0.02	L	7.8602	0.0021	0.016	63		7.83	7.89					1							S
76444	9.435	0.020	8.839	0.018		0.556	0.024	T	0.63	0.02	L	8.8826	0.0021	0.017	70		8.85	8.91		C			1							
76445	10.328	0.024	9.853	0.024		0.447	0.031	T	0.52	0.03	L	9.8970	0.0026	0.031	201		9.85	9.95					1							
76446	9.012	0.034	8.365	0.030	*	0.670	0.015	G	0.73	0.01	H *	8.4872	0.0033	0.020	72	*	8.46	8.52		D	15368−5010	H 1	2 C A	AB	202	7.864	0.005	1.26	0.02	
76447	9.853	0.032	9.364	0.032		0.472	0.035	T	0.54	0.04	L	9.3675	0.0021	0.015	98		9.34	9.40		C			1							
76448	10.872	0.069	9.627	0.036		1.062	0.061	T	1.03	0.05	L	9.6945	0.0025	0.018	71		9.65	9.72					1							
76449	10.397	0.035	8.352	0.013		1.731	0.031	T	2.59	0.05	O	8.1183	0.0028	0.027	102		8.06	8.15		U 2			1							
76450	8.128	0.009	7.003	0.006		0.969	0.008	T	0.95	0.01	L	7.0491	0.0008	0.008	118		7.04	7.06		C			1							S
76451	8.874	0.015	8.357	0.014	*	0.526	0.015	G	0.60	0.02	H *	8.3760	0.0015	0.016	87	*	8.35	8.40		D	15368−0438	I 1	2 C A	AB	275	0.450	0.007	1.25	0.05	S
76452						1.372	0.020	G	1.61	0.04	I	11.2093	0.0065	0.052	126		11.12	11.32					1							G
76453	11.081	0.064	10.342	0.054		0.677	0.067	T	0.74	0.06	L	10.4567	0.0029	0.027	78		10.41	10.50		C			1							G
76454	8.036	0.005	8.045	0.007		−0.004	0.008	T	0.02	0.01	L	8.0621	0.0015	0.021	237		8.03	8.10	0.57	P 1 A			1							
76455	8.211	0.011	7.846	0.012		0.368	0.006	G	0.43	0.01	H	7.8936	0.0014	0.012	86		7.87	7.91		C	15369−5343	I 1	1							S
76456	6.952	0.004	6.508	0.003		0.433	0.004	T	0.50	0.00	L	6.5569	0.0007	0.009	223		6.54	6.57					1							S
76457	8.622	0.012	8.229	0.012	*	0.396	0.015	G	0.46	0.02	H *	8.2727	0.0020	0.012	77	*	8.25	8.29			15369−3811	H 1	2 C B	AB	158	0.386	0.026	3.39	0.15	
76458	9.712	0.024	8.045	0.012		1.393	0.021	T	1.37	0.03	L	8.0089	0.0015	0.010	67		7.99	8.03		C			1							
76459	10.751	0.037	9.114	0.016		1.370	0.032	T	1.34	0.04	L	9.1427	0.0020	0.023	136		9.09	9.18					1 S							
76460	11.044	0.045	9.402	0.018		1.399	0.040	T	3.19	0.07	O	8.9735	0.0169	0.136	152		8.78	9.14		U 2 C			1 V							
76461	8.349	0.009	8.041	0.010		0.285	0.015	G	0.32	0.02	H	8.0905	0.0019	0.013	103		8.07	8.11					1							S
76462						0.589	0.071	G	0.66	0.07	R	13.0407	0.0275	0.189	26		12.54	13.33			15369−1659	I 1	S							G
76463	9.711	0.025	8.357	0.015		1.147	0.023	T	1.11	0.02	L	8.4126	0.0017	0.012	85		8.39	8.43		C			1							
76464	8.231	0.011	8.190	0.013		0.043	0.016	T	0.06	0.01	L	8.2064	0.0020	0.015	77		8.17	8.23					1							S
76465	11.273	0.081	10.626	0.067		0.600	0.091	T	0.67	0.08	L	10.6513	0.0045	0.028	66		10.59	10.69		C			1							G
76466	9.685	0.021	8.787	0.016	*	0.798	0.019	T	0.83	0.01	L *	8.8473	0.0025	0.018	102	*	8.82	8.88		D	15370+6426	I 1	2 C A	AB	151	0.227	0.005	0.25	0.08	
76467	10.072	0.032	9.446	0.028		0.569	0.015	G	0.64	0.01	H	9.5397	0.0028	0.022	76		9.49	9.57		C			1							
76468	9.829	0.040	9.151	0.033	*	0.627	0.043	T	0.69	0.04	L *	9.4392	0.0025	0.019	77	*	9.39	9.47		D	15370−0041	I 1	2 C A	AB	258	5.395	0.009	0.92	0.03	
76469	9.602	0.019	9.008	0.018		0.555	0.019	T	0.63	0.02	L	9.0384	0.0017	0.017	97		9.00	9.07		C			1							
76470	5.415	0.004	3.758	0.003		1.361	0.053	G	1.36	0.02	A	3.7471	0.0006	0.004	75		3.74	3.75			15370−2808	I 1	1							S
76471	9.005	0.016	8.704	0.018		0.353	0.015	G	0.41	0.02	H	8.7265	0.0033	0.018	60		8.70	8.76		C			1							S
76472	10.277	0.032	9.447	0.026		0.731	0.032	T	0.78	0.02	L	9.5318	0.0063	0.060	81		9.47	9.66		U 2 C			1							G
76473	7.476	0.006	7.388	0.009	*	0.086	0.010	T	0.10	0.01	L *	7.4211	0.0018	0.012	79	*	7.40	7.44			15371−2630	H 1	2 C A	AB	110	0.276	0.034	2.69	0.58	S
76474	10.452	0.029	9.280	0.018	*	1.005	0.027	T	0.98	0.02	L *	9.3293	0.0024	0.022	142	*	9.29	9.37			15371+2646	H 1	2 C A	AB	355	0.363	0.039	2.54	0.28	
76475	8.280	0.009	7.790	0.009		0.461	0.012	T	0.53	0.01	L	7.8390	0.0014	0.013	137		7.82	7.86					1							S
76476	8.965	0.017	7.267	0.008		1.427	0.003	G	1.42	0.02	A	7.2632	0.0009	0.011	107		7.25	7.28		C			1							S
76477	11.823	0.132	10.585	0.069		1.057	0.116	T	1.02	0.10	L	10.7410	0.0070	0.046	87		10.68	10.81					1							G
76478	10.812	0.057	9.973	0.045	*	0.754	0.055	T	0.80	0.04	L *	10.0222	0.0028	0.024	69	*	9.98	10.07		D	15372+0526	H 1	2 C B	AB	6	0.616	0.009	0.06	0.04	
76479	10.165	0.034	9.118	0.022	*	0.899	0.031	T	0.90	0.02	L *	9.0366	0.0023	0.014	71	*	9.01	9.06		D	15372−2339	I 1	2 C A	AB	23	0.931	0.005	0.74	0.02	
76480	9.401	0.019	8.551	0.015		0.762	0.018	T	0.80	0.01	L	8.5344	0.0070	0.060	75		8.47	8.97	6.36	P 1 A	15372−1820	I 1	1 S							
76481	10.679	0.033	9.503	0.019		1.008	0.030	T	0.98	0.02	L	9.5326	0.0025	0.025	138		9.49	9.57					1							
76482	11.114	0.066	10.439	0.063		0.625	0.076	T	0.69	0.07	L	10.5597	0.0054	0.036	91		10.44	10.63					1 S							G
76483	8.283	0.009	8.233	0.011	*	0.051	0.013	T	0.06	0.01	L *	8.2570	0.0016	0.017	122	*	8.22	8.28		D	15373−6433	I 1	2 C A	AB	122	0.311	0.006	1.01	0.09	
76484	8.940	0.018	8.377	0.017		0.586	0.015	G	0.66	0.01	H	8.4151	0.0019	0.012	67		8.40	8.44					1							S
76485	8.321	0.011	7.947	0.014		0.366	0.003	G	0.43	0.00	H	7.9958	0.0027	0.022	67		7.95	8.03		U 2			1							S
76486	9.804	0.022	8.287	0.011		1.275	0.019	T	1.23	0.02	L	8.2803	0.0019	0.018	123		8.25	8.31			15373−6432	I 1	1							
76487	9.204	0.017	8.506	0.015		0.620	0.001	G	0.71	0.02	A	8.5578	0.0020	0.013	81		8.53	8.58					1							S
76488	9.713	0.026	8.667	0.019		0.909	0.024	T	0.91	0.02	L	8.7042	0.0021	0.012	55		8.67	8.72		C			1							S
76489	9.514	0.020	9.118	0.021		0.333	0.015	G	0.39	0.02	H	9.1899	0.0022	0.018	83		9.16	9.22					1							
76490	10.834	0.048	9.271	0.021		1.000	0.040	G	0.98	0.03	R	9.3168	0.0019	0.017	108		9.27	9.35		C			1							
76491	10.272	0.031	9.408	0.024	*	0.757	0.030	T	0.80	0.02	L *	9.4790	0.0023	0.019	93	*	9.44	9.51		D	15374−4320	I 1	2 C A	AS	163	0.333	0.011	1.46	0.12	
76492	7.587	0.009	7.170	0.009		0.408	0.015	G	0.47	0.02	H	7.2142	0.0012	0.011	62		7.20	7.24					1							S
76493	10.148	0.022	9.738	0.024		0.388	0.030	T	0.45	0.03	L	9.7875	0.0025	0.032	170		9.72	9.85					1							
76494	10.905	0.069	9.188	0.027		1.500	0.040	G	1.50	0.10	R	9.1606	0.0031	0.018	60		9.12	9.19					1							
76495	8.956	0.009	8.454	0.008		0.484	0.011	G	0.56	0.01	H	8.5097	0.0014	0.020	248		8.47	8.54					1							
76496	9.749	0.030	8.927	0.024		0.686	0.015	G	0.74	0.01	H	9.0184	0.0028	0.014	64		8.99	9.04		C			1							
76497	8.950	0.014	7.904	0.010	*	0.910	0.015	G	0.91	0.01	H *	7.9578	0.0015	0.012	93	*	7.94	7.99		D	15374−5422	I 1	2 C A	AB	38	0.833	0.017	2.95	0.07	S
76498	9.228	0.013	8.727	0.012		0.498	0.015	G	0.57	0.02	H	8.7940	0.0016	0.019	155		8.76	8.84					1							
76499	8.958	0.027	8.260	0.021	*	0.631	0.026	T	0.70	0.02	L *	8.4592	0.0018	0.013	70	*	8.44	8.49		D	15375−3132	I 1	2 C A	AB	41	2.036	0.004	0.16	0.01	
76500	10.466	0.033	9.878	0.031		0.596	0.015	G	0.67	0.01	H	9.9581	0.0025	0.020	105		9.91	9.98					1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)																						Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	$\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr		$\alpha*$	$\alpha*$	δ	$\alpha*$	δ	π	$\alpha*$	δ	π	$\mu_{\alpha*}$						%	
1 2	3	4	5 6 7		8	9 10		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28						29	30
76501	15 37 27.93	−32 29 05.8	8.62	H	234.366 377 82	−32.484 956 31		6.49	−24.54	−28.85	1.04	0.82	1.30	1.27	1.15	−24	−12	−32	+12	+ 3	+ 2	+ 4	+ 4	+21	−37						0	2.68
76502	15 37 28.36	+07 31 40.4	9.31	H	234.368 176 51	+07.527 885 96		6.02	60.81	−86.85	1.30	1.02	1.50	1.61	1.33	−24	−25	− 5	− 1	− 2	−14	+ 3	+ 0	−26	−13						0	−1.01
76503	15 37 28.51	−26 16 47.3	6.19	H	234.368 775 05	−26.279 807 85		5.43	−11.13	−23.11	0.70	0.46	0.78	0.79	0.63	−14	−17	−19	+25	− 9	+26	− 1	+26	− 6	−23						0	0.99
76504	15 37 28.86	−00 53 05.4	7.78	G	234.370 268 14	−00.884 845 69		1.90	−14.46	0.89	0.90	0.69	1.10	1.01	0.88	−10	−37	−25	+10	+ 0	− 5	− 3	− 5	+ 1	−24						4	−0.17
76505	15 37 29.87	−18 10 07.4	10.23	H	234.374 455 15	−18.168 710 23		2.46	−15.83	−8.32	1.69	1.06	1.97	2.32	1.72	−15	− 8	−22	+21	− 7	+30	+ 4	+21	−27	−17						0	0.67
76506	15 37 30.78	+23 16 03.5	10.18	H	234.378 269 33	+23.267 634 41		1.35	3.30	−6.39	1.03	1.51	2.05	1.35	1.97	−31	− 7	+ 1	+14	+ 8	−19	+ 0	−47	+22	−44						0	1.75
76507	15 37 31.04	−51 37 06.6	9.05	H	234.379 332 59	−51.618 502 95	A	4.64	−9.49	−5.89	2.23	2.03	2.23	2.42	2.33	− 2	−14	−24	+ 9	+ 1	+14	+ 6	+29	− 7	− 6						2	0.02
76508	15 37 31.31	−22 07 01.2	6.98	H	234.380 443 18	−22.117 001 71		8.05	1.37	−6.54	0.82	0.47	0.93	0.91	0.70	−15	−38	− 9	+ 8	− 8	+24	− 4	+19	− 3	−14						0	0.13
76509	15 37 32.04	+54 30 31.6	5.85	H	234.383 510 97	+54.508 782 94		9.18	−35.17	−20.49	0.46	0.48	0.51	0.52	0.59	+ 3	+ 0	−15	−15	+11	− 5	+11	−16	+ 3	+ 2						1	2.28
76510	15 37 33.22	−51 36 44.5	10.65	H	234.388 418 49	−51.612 362 59	B	−1.58	13.16	−11.71	9.81	8.07	6.40	7.41	6.81	− 4	−10	−24	+10	− 3	+14	+ 0	+28	− 6	−11						2	0.02
76511	15 37 33.38	+16 31 47.0	7.62	H	234.389 081 68	+16.529 733 00		5.39	−36.25	−32.61	0.78	0.72	0.94	0.81	0.81	−10	−13	− 4	−40	−38	+14	−30	+ 6	− 5	−34						0	−0.81
76512	15 37 34.06	+11 09 04.4	7.52	H	234.391 910 42	+11.151 226 95		5.10	−36.64	−24.54	0.97	0.71	1.14	1.34	1.00	−21	−37	+24	+25	−21	−44	−15	+ 7	+ 6	−22						3	−1.83
76513	15 37 34.45	−62 40 53.0	7.65	1 H	234.393 545 67	−62.681 394 00		1.79	−2.64	−10.49	0.43	0.55	0.82	0.55	0.74	−12	− 7	− 1	− 3	+19	−16	+21	+13	− 7	−17						0	−1.03
76514	15 37 35.18	−36 35 47.5	9.65	H	234.396 598 62	−36.596 523 40		9.57	−82.17	−36.13	1.12	0.85	1.37	1.31	1.19	−30	−15	+ 1	+17	− 3	− 2	− 3	+37	−10	−16						0	1.50
76515	15 37 37.62	+21 51 31.7	10.02	2 H	234.406 768 92	+21.858 810 26		0.07	−11.50	−10.10	1.14	1.32	1.93	1.40	1.63	−35	−33	+13	+19	− 3	− 7	−11	−22	+ 9	−48						2	2.09
76516	15 37 37.79	+01 25 17.7	8.30	H	234.407 472 05	+01.421 590 39		4.85	21.94	−20.44	0.88	0.69	1.06	1.16	1.02	−27	−16	−14	+29	−15	+20	−11	+22	− 8	−25						0	1.39
76517	15 37 37.99	−09 02 41.7	8.09	H	234.408 274 05	−09.044 910 85		8.57	14.89	−23.21	1.24	0.62	1.28	1.38	0.97	− 7	−53	− 2	+ 6	−16	+ 3	−27	+24	+20	− 1						0	1.30
76518	15 37 38.25	+23 29 49.1	9.32	H	234.409 368 36	+23.496 971 72		5.93	8.88	−24.82	0.85	1.08	1.57	1.12	1.49	−29	−14	+ 1	+19	+ 9	−15	− 3	−35	+23	−45						0	0.43
76519	15 37 39.21	+69 16 59.6	5.65	H	234.413 372 39	+69.283 217 32		3.70	−49.11	52.08	0.42	0.46	0.47	0.42	0.49	+ 9	−11	− 7	+ 9	− 6	+ 4	− 4	+12	−19	+ 4						0	1.37
76520	15 37 39.27	+47 18 46.5	9.05	H	234.413 630 36	+47.312 923 92		7.67	56.96	−7.24	0.79	0.76	0.89	0.89	0.94	+ 7	+ 3	− 7	−11	−19	− 2	−17	+ 9	+ 6	−10						1	1.14
76521	15 37 39.51	−40 16 15.8	9.58	H	234.414 645 62	−40.271 063 68		14.89	5.02	−85.23	1.38	1.09	1.70	1.84	1.70	−29	−18	− 6	+24	−10	+18	− 4	+45	−18	−30						0	−0.29
76522	15 37 39.93	−16 43 52.7	8.32	H	234.416 365 41	−16.731 296 42		5.46	1.26	−11.54	1.04	0.68	1.17	1.14	0.94	−17	−26	− 6	− 7	+ 0	+18	+ 7	+ 5	−23	−16						0	0.42
76523	15 37 40.19	+03 38 04.8	8.54	H	234.417 478 08	+03.634 656 59		5.05	−29.52	−1.84	1.23	0.79	1.61	1.42	1.39	+ 2	−55	−32	+19	+12	−15	+ 0	−10	+13	−32						3	0.54
76524	15 37 41.16	−45 42 03.8	8.23	H	234.421 492 80	−45.701 041 90		3.86	4.13	−8.35	1.01	0.71	1.13	1.19	0.95	+ 9	−18	+ 2	+44	+27	+ 3	+26	+38	+15	+12						0	−1.49
76525	15 37 43.68	+32 36 30.2	9.69	H	234.432 008 66	+32.608 379 71		5.58	17.25	−53.64	0.80	0.93	1.29	0.89	1.12	+21	−10	+ 2	− 9	− 6	+12	− 8	− 8	+ 5	+18						3	1.42
76526	15 37 44.50	−05 44 06.7	9.52	G	234.435 409 76	−05.735 182 80		8.89	−3.89	−36.53	1.31	0.82	1.49	1.71	1.25	−25	−24	− 1	+26	−11	+14	−10	+13	+ 0	−23						0	0.43
76527	15 37 44.63	−15 42 55.7	9.59	H	234.435 948 97	−15.715 461 34		8.19	36.53	−42.79	1.52	0.83	1.79	1.73	1.21	−12	−37	− 7	+13	+ 4	+35	+13	+17	− 5	− 7						0	0.57
76528	15 37 45.58	−03 36 18.4	8.00	H	234.439 911 83	−03.605 122 50		10.74	−31.16	−50.60	0.94	0.57	0.99	1.04	0.80	− 3	−26	− 8	+41	+10	+ 9	+15	+10	− 7	− 5						0	1.38
76529	15 37 45.84	+11 36 12.2	8.44	H	234.441 004 37	+11.603 378 28		2.82	−15.56	−65.67	1.05	0.89	1.36	1.72	1.62	−13	−14	−29	+12	− 6	−40	−23	+ 6	+26	−58						0	−0.61
76530	15 37 45.86	+71 09 13.1	6.99	H	234.441 097 71	+71.153 650 96		5.93	−17.28	9.53	0.55	0.54	0.58	0.54	0.60	+14	−22	−18	−29	−19	− 3	−16	− 7	− 9	− 4						0	−0.29
76531	15 37 47.68	+25 10 31.5	10.37	H	234.448 656 17	+25.175 411 76		6.91	−18.86	6.61	2.72	2.66	4.04	2.91	2.92	+12	−15	− 9	+ 6	−25	− 2	−25	− 1	+ 0	+ 7	0							
76532	15 37 48.06	−23 08 29.5	5.79	G	234.450 244 64	−23.141 515 09		11.97	−31.72	−75.18	0.85	0.54	1.03	0.91	0.80	−19	−39	−23	+ 0	+18	− 3	+ 8	−19	+26	−35	0	−0.37					
76533	15 37 49.17	+22 29 01.4	8.58	H	234.454 869 09	+22.483 713 48		1.50	−22.32	13.50	0.73	0.95	1.35	0.93	1.15	−43	−23	+16	+44	− 3	−23	− 8	−16	+20	−50	1	−0.17					
76534	15 37 49.55	+40 21 11.8	5.25	H	234.456 462 41	+40.353 288 11		20.00	60.45	59.57	0.41	0.45	0.56	0.49	0.55	+ 4	− 8	− 8	−10	− 1	− 5	+ 4	+14	−16	−14	1	−0.85					
76535 H	15 37 51.34	−31 15 07.4	7.49	G	234.463 929 24	−31.252 059 53	A	10.53	−66.13	−8.85	1.79	1.32	1.63	1.39	1.31	−27	−37	− 6	+ 4	+ 4	− 5	+ 4	+ 5	− 4	+ 0	1	0.10					
*76536 H	15 37 53.73	+30 06 10.4	7.89	G	234.473 879 61	+30.102 902 12	A	12.19	−39.80	29.66	1.31	1.67	1.86	1.07	1.46	+31	−14	− 4	−20	− 3	+ 3	+ 1	+14	− 3	+22	3	0.88					
*76537	15 37 53.43	+14 08 23.6	9.43	H	234.472 624 46	+14.139 885 38		3.59	13.70	−18.35	1.37	1.13	1.62	1.59	1.69	−13	−37	− 4	+11	+ 4	−32	− 4	−15	+ 9	−39	0	0.96					
76538	15 37 53.81	+21 26 26.4	8.09	2 G	234.474 198 37	+21.440 656 72		9.81	4.23	23.61	0.84	0.78	1.11	1.03	1.01	−14	−38	−13	−47	− 8	+26	−12	−27	+23	−22	0	1.00					
76539	15 37 54.03	+25 38 08.0	8.39	H	234.475 127 32	+25.635 557 38		4.09	11.61	−27.64	0.66	0.69	1.08	0.69	0.76	− 4	−24	−15	+39	−20	− 4	−23	+26	+ 1	−20	5	−0.89					
76540 H	15 37 55.38	+50 04 58.1	7.72	H	234.480 766 63	+50.082 818 49	*	22.35	−13.99	−250.09	0.57	0.58	0.67	0.70	0.68	+ 4	−10	−13	+ 5	− 2	+ 3	− 1	+ 8	− 3	+ 2	0	0.53					
76541	15 37 55.99	−38 13 06.6	9.84	H	234.483 300 60	−38.218 498 84		3.29	−6.42	−7.85	1.32	1.05	1.64	1.81	1.51	−29	− 9	−14	+21	− 5	− 1	− 9	+41	+ 1	−13	0	0.41					
76542	15 37 58.69	−05 25 18.7	7.87	H	234.494 560 81	−05.421 862 55		1.10	−20.34	−27.48	1.00	0.71	1.11	1.26	1.02	−39	−31	+13	+21	− 4	− 2	− 2	+ 7	+ 4	−26	0	0.80					
76543	15 37 59.13	+10 14 26.7	7.07	H	234.496 382 64	+10.240 743 06		21.13	135.24	−356.53	0.91	0.62	0.91	0.98	0.86	−22	−44	+12	+37	−24	− 7	−26	+40	+ 8	−22	0	0.42					
76544	15 37 59.78	+05 05 31.3	8.06	H	234.499 078 57	+05.092 039 82		3.48	−101.09	−27.82	0.93	0.67	1.04	1.09	0.93	− 9	−20	−27	+35	+ 2	+15	+ 7	+ 5	−18	−31	0	−1.79					
76545	15 37 59.91	−14 31 49.2	7.39	G	234.499 637 01	−14.530 344 20		12.25	−50.66	−23.50	0.93	0.66	1.07	1.15	0.94	−31	− 2	−26	+20	+13	+10	+22	− 7	+22	−20	0	1.44					
76546	15 38 00.09	−38 57 09.0	8.24	H	234.500 357 26	−38.952 497 80		0.29	−25.11	−39.61	0.85	0.70	1.08	1.11	1.03	−28	− 9	−15	+11	− 8	− 2	− 9	+41	−12	−22	0	1.72					
76547	15 38 00.17	+00 19 10.4	9.56	G	234.500 695 43	+00.319 548 13		5.48	−55.73	−16.75	1.15	0.85	1.27	1.28	1.02	+ 8	−23	−32	+32	+ 6	+ 3	+ 6	+ 9	− 1	− 6	0	0.23					
76548	15 38 01.49	+17 14 51.6	8.81	H	234.506 198 56	+17.247 666 09		13.70	−70.02	42.66	1.05	0.95	1.31	1.19	1.05	+ 8	−24	−10	−41	−45	+31	−33	+ 0	− 6	−23	0	0.63					
76549	15 38 02.19	−54 31 19.1	6.98	H	234.509 121 26	−54.521 984 14		8.43	−15.65	−19.13	0.65	0.57	0.80	0.78	0.82	+ 5	−30	−21	+31	+ 4	−10	+ 7	+41	−26	+17	0	0.00					
76550	15 38 02.41	−21 19 03.9	11.23	G	234.510 024 94	−21.317 751 32		29.21	−85.14	−586.21	3.02	1.64	3.31	3.12	2.68	− 9	−36	−25	+ 7	−24	+15	−20	+33	−15	−22	0	2.67					
76551	15 38 03.03	+29 29 14.0	10.21	3 H	234.512 605 55	+29.487 211 26		0.70	6.81	−1.46	1.50	1.90	2.88	1.40	2.30	+38	−17	+ 0	−43	−13	+15	−13	− 2	+15	+37	0						
76552	15 38 03.32	−42 34 02.9	4.34	H	234.513 842 87	−42.567 484 93		14.19	−147.60	56.35	0.59	0.51	0.73	0.63	0.66	−32	−19	−13	+ 7	− 7	− 9	− 3	+32	−14	−41	0	−0.42					
76553	15 38 03.82	+07 25 20.1	8.37	G	234.515 896 00	+07.422 262 70		5.49	−5.06	−17.53	0.99	0.73	1.19	1.24	1.01	−16	−42	− 1	− 4	− 7	− 7	− 2	+ 4	−12	−11	0	0.43					
76554	15 38 04.14	−59 52 35.8	8.07	H	234.517 258 71	−59.876 615 43		0.45	−3.03	−6.36	0.75	0.70	1.01	1.00	0.98	+14	−15	−25	+21	+19	−24	+10	+34	+ 3	+23	0	1.41					
76555	15 38 05.65	−07 40 33.5	7.91	H	234.523 541 51	−07.675 973 32		2.43	31.12	−56.71	0.89	0.55	0.98	1.01	0.78	−21	−33	− 3	+32	−10	+14	−10	+22	+ 5	−19	0	−0.34					
76556	15 38 05.89	+61 25 13.3	8.12	H	234.524 531 37	+61.420 349 33		13.91	−154.03	26.79	0.64	0.64	0.71	0.66	0.74	+ 5	−16	−29	− 7	−19	+ 8	−19	+ 3	+ 3	−10	0	0.03					
76557	15 38 07.44	+42 46 56.9	8.48	H	234.530 985 97	+42.782 463 09		4.90	5.36	0.95	0.65	0.71	0.84	0.73	0.80	+ 7	−11	− 5	− 1	+ 1	+ 2	+ 2	+10	− 3	− 7	1	1.02					
76558	15 38 09.17	+38 01 40.9	7.50	H	234.538 225 59	+38.028 037 87		5.88	9.88	2.88	0.53	0.53	0.69	0.61	0.62	+ 1	− 5	+ 0	+15	+ 2	+ 3	+ 2	+13	− 8	−18	0	−1.24					
76559	15 38 09.85	+57 53 59.0	9.89	G	234.541 040 45	+57.899 714 26		1.58	−8.75	11.49	0.91	0.80	0.97	0.90	0.89	+ 5	− 5	− 3	−26	− 8	+ 3	− 5	− 5	−11	−15	0	0.28					
76560	15 38 10.04	−41 33 36.1	7.74	H	234.541 833 43	−41.560 040 53		1.71	−3.85	3.51	0.76	0.64	0.96	0.82	0.84	−16	−23	−28	+17	− 9	− 6	− 5	+38	− 9	−34	0	−0.29					
76561	15 38 10.50	+24 33 23.1	8.73	H	234.543 749 76	+24.556 428 34		4.15	11.72	−21.75	0.76	0.75	1.20	0.88	0.82	− 1	− 4	− 5	+38	−31	+ 7	−30	+23	+ 2	− 4	1	2.56					
76562	15 38 11.98	−14 06 04.1	8.92	H	234.549 931 31	−14.101 129 60		5.97	−13.93	−5.93	1.29	0.82	1.46	1.53	1.13	−14	−13	−33	+30	+10	+10	+20	+ 3	+ 9	−11	0	−0.83					
76563	15 38 12.96	+36 14 48.3	7.07	H	234.553 982 95	+36.246 746 11	A	11.42	−59.81	34.48	2.37	2.45	2.44	1.99	2.21	+ 5	− 1	− 4	−12	+ 0	−11	− 2	−16	+14	− 8	0	3.56					
76564	15 38 13.45	−69 31 54.1	8.97	H	234.556 041 93	−69.531 693 17		2.58	−18.64	−4.17	0.72	0.92	1.24	0.83	1.18	+29	− 5	−11	+ 0	+ 8	−20	+ 7	+22	−16	+33	0	0.27					
76565	15 38 13.63	−57 16 31.1	8.29	H	234.556 799 58	−57.275 309 31		3.09	2.32	5.68	0.86	0.81	1.18	1.23	1.06	+ 9	−12	−35	+20	+13	− 1	+14	+37	−19	+12	0	−0.04					
76566 H	15 38 14.19	+36 14 49.4	7.40	G	234.559 142 45	+36.247 048 29	C	11.42	−59.81	34.48	6.15	6.47	2.44	1.99	2.21	+15	+ 0	− 7	− 9	− 1	−11	− 1	−12	+14	− 8	0	3.56					
76567	15 38 15.80	−28 12 23.8	6.32	G	234.565 832 22	−28.206 609 43		5.80	14.76	−23.35	0.74	0.50	0.82	0.77	0.70	−17	−24	− 6	+ 6	−10	+10	− 5	+21	−21	−26	0	0.42					
76568	15 38 16.14	+46 47 52.8	5.76	H	234.567 265 49	+46.797 995 24		27.98	97.18	−100.38	0.48	0.45	0.55	0.67	0.56	+15	− 6	− 3	−28	−10	− 2	−10	−14	− 3	+12	0	−1.95					
76569	15 38 16.24	−21 00 58.2	5.82	H	234.567 675 25	−21.016 153 03		11.17	63.82	−71.39	0.87	0.46	0.90	1.03	0.70	+ 4	−36	−14	− 8	−16	+19	−17	+16	− 8	+19	0	−0.01					
76570	15 38 16.35	−09 34 27.3	9.69	H	234.568 131 16	−09.574 252 80	A	1.21	−13.74	−19.95	2.46	1.49	2.34	3.17	1.78	−14	−19	− 3	+13	−10	−21	−18	− 3	+13	− 2	0	−0.17					
76571	15 38 16.42	−06 07 53.3	8.53	G	234.568 408 16	−06.131 460 10		5.20	1.86	−15.65	1.03	0.63	1.15	1.41	0.97	−17	−13	+ 3	+22	− 3	+16	− 2	+ 8	+ 2	− 7	2	1.68					
76572 H	15 38 16.48	−17 33 36.2	9.91	2 H	234.568 652 55	−17.560 043 63	A	17.93	−26.24	−5.14	5.26	3.85	5.56	5.35	5.26	−43	−16	−25	−20	+15	− 5	+17	−10	−16	−49	21	2.60					
76573	15 38 16.64	+24 31 18.9	6.82	2 H	234.569 316 83	+24.521 907 54		6.40	−12.03	−16.54	0.55	0.57	0.87	0.67	0.66	+ 8	− 5	− 2	+29	−24	+ 4	−22	+19	− 3	+12	0	1.12					
76574	15 38 16.90	−04 03 51.7	9.05	H	234.570 406 83	−04.064 371 60		4.84	−75.90	−7.00	1.54	0.93	1.44	3.36	1.41	+11	−22	+ 2	+52	+31	+15	+26	−13	−19	+19	2	0.72					
76575 H	15 38 17.49	+48 42 16.8	9.63	H	234.572 880 33	+48.704 676 10	A	14.61	52.49	−55.27	1.77	1.48	1.44	1.38	1.40	+13	+ 4	+15	−16	−18	− 3	−12	− 4	− 2	+ 5	1	−0.20					
76576	15 38 18.57	−20 20 55.7	8.48	H	234.577 385 50	−20.348 800 86		3.43	2.61	−18.94	1.28	0.71	1.29	1.89	1.34	− 4	− 2	+ 2	−17	−22	−10	−33	+13	−30	+29	0	0.67					
76577	15 38 19.17	+00 56 24.7	8.10	H	234.579 866 82	+00.940 199 69		5.96	14.66	−23.38	0.90	0.63	1.00	1.13	0.90	−17	−15	+ 2	+29	− 3	+18	+ 1	+ 8	−20	−16	0	1.87					
76578 H	15 38 22.13	−24 39 17.8	7.91	H	234.592 221 27	−24.654 934 37	A	0.76	−14.69	−7.86	1.54	0.94	1.62	1.77	1.42	−20	−49	+ 3	+12	+ 6	+ 8	− 4	+ 8	+20	−28	2	−0.35					
76579	15 38 22.76	+43 36 15.3	6.80	H	234.594 835 12	+43.604 249 59		7.72	−18.34	4.61	0.50	0.53	0.61	0.64	0.63	+12	− 5	− 4	+25	+18	+ 7	+18	+29	−16	+ 4	0	−0.71					
76580	15 38 24.76	+22 40 29.8	7.45	H	234.603 151 06	+22.674 955 73		5.45	−39.48	6.53	0.57	0.79	1.05	0.73	0.99	−42	+ 0	−12	+22	+16	−15	+ 9	−38	+25	−52	1	−0.47					
76581	15 38 25.17	−53 18 18.4	7.78	H	234.604 859 21	−53.305 116 60		1.17	−3.16	−7.22	0.72	0.60	0.93	0.76	0.73	+ 4	−33	−16	+27	+17	−16	+15	+21	+ 5	+ 2	0	0.60					
76582	15 38 25.48	−19 54 46.5	6.65	H	234.606 170 38	−19.912 927 76		19.03	−198.62	−103.65	0.87	0.50	0.98	1.21	0.92	− 6	−18	+ 6	−14	−17	− 5	−16	+ 5	−41	+24	0	−1.02					
76583	15 38 25.79	−37 30 24.7	9.83	H	234.607 464 54	−37.506 867 06		8.91	−4.00	−28.53	1.32	0.94	1.63	1.38	1.39	−25	−38	−14	+19	−15	−10	− 9	+40	− 6	−42	0	−1.41					
76584	15 38 25.85	+41 12 06.8	9.90	H	234.607 722 45	+41.201 888 30		3.00	0.29	−1.50	0.92	1.01	1.21	1.23	1.33	+18	− 5	+ 4	−11	+ 2	+19	+ 1	+ 2	− 2	+22	0	1.21					
76585	15 38 27.90	−55 49 34.9	8.55	H	234.616 265 99	−55.826 352 62		2.12	−6.58	−9.39	0.83	0.84	1.14	1.12	1.18	+ 2	−17	−24	+ 7	− 4	− 9	− 9	+31	−20	+23	0	0.98					
76586	15 38 29.11	−14 31 00.0	6.80	H	234.621 310 83	−14.516 661 83		9.27	−56.03	−84.39	0.89	0.65	1.07	1.04	0.89	−26	−12	−30	+20	+13	+ 9	+18	− 8	+21	−32	0	−0.21					
76587	15 38 29.15	+23 27 48.2	8.92	H	234.621 468 18	+23.463 389 36		5.48	−8.00	30.32	0.81	1.03	1.42	1.06	1.28	−32	− 4	−19	+ 2	+ 9	+ 2	+ 3	−39	+15	−44	0	0.97					
76588	15 38 29.87	+39 12 59.9	8.77	G	234.624 443 46	+39.216 642 78		4.30	−1.74	2.83	0.74	0.73	0.94	0.88	0.83	+15	−15	+13	+18	+17	− 3	+17	+26	− 5	+24	0	2.25					
76589	15 38 30.43	−19 46 52.7	8.93	H	234.626 785 49	−19.781 315 17		1.89	−25.92	−5.55	1.31	0.72	1.49	1.96	1.37	− 6	−24	− 6	−12	−12	− 3	− 8	+ 7	−39	+26	0	−0.07					
76590	15 38 30.94	−18 26 54.4	8.67	H	234.628 925 58	−18.448 440 89		12.58	53.61	5.37	1.14	0.79	1.34	1.46	1.22	−22	− 6	−22	+ 9	− 6	+17	+ 0	+19	−30	−22	0	0.40					
76591	15 38 32.65	−39 09 38.3	6.59	H	234.636 056 43	−39.160 642 12		5.09	−21.25	−23.91	0.65	0.53	0.83	0.82	0.75	−29	− 7	−19	+12	− 5	− 1	− 4	+40	−17	−27	0	2.57					
76592	15 38 33.23	+48 27 45.9	8.14	1 H	234.638 473 58	+48.462 752 27		0.54	−19.53	12.62	0.76	0.66	0.81	0.86	0.78	+25	+ 1	+13	−29	− 7	−21	− 8	− 9	−13	+41	1	0.04					
76593	15 38 33.43	+65 47 26.6	7.05	H	234.639 297 72	+65.790 730 55		6.34	38.25	−76.40	0.49	0.48	0.53	0.50	0.52	+ 8	− 7	− 4	−12	− 7	−11	− 5	+ 7	−19	+ 3	0	−0.05					
76594	15 38 34.20	+50 25 24.1	5.84	H	234.642 501

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″		ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65		66	67	68-70
76501	9.179	0.018	8.655	0.017		0.501	0.019	T	0.57	0.02	L	8.7315	0.0018	0.012	69		8.71	8.76					1							
76502	9.983	0.032	9.359	0.028		0.581	0.037	T	0.65	0.03	L	9.4378	0.0026	0.020	64		9.41	9.46		C			1							
76503	6.169	0.003	6.188	0.005		−0.013	0.005	T	0.01	0.01	L	6.1975	0.0007	0.004	84		6.19	6.21					1							S
76504	9.426	0.022	7.901	0.012		1.276	0.015	G	1.25	0.02	A	7.9344	0.0015	0.009	74		7.92	7.95		D			1 G							S
76505	10.899	0.070	10.231	0.061		0.608	0.070	T	0.68	0.06	L	10.3594	0.0035	0.023	63		10.31	10.41		C			1							G
76506	11.713	0.113	10.240	0.047		1.241	0.096	T	1.20	0.09	L	10.3377	0.0044	0.032	105		10.28	10.39					1							
76507	10.794	0.048	9.174	0.021	A	1.356	0.041	T	1.32	0.05	L	9.2006	0.0078	0.021	79	A	9.17	9.24		D	15375−5137	I 2	1 C P D							D
76508	7.314	0.006	7.017	0.007		0.282	0.010	T	0.32	0.01	L	7.0521	0.0006	0.008	81		7.04	7.06					1							S
76509	7.267	0.005	5.976	0.004		1.098	0.005	T	1.06	0.01	L	6.0138	0.0008	0.007	112		6.00	6.02		C			1 S							S
76510	11.239	0.083	10.562	0.072	B	0.626	0.091	T	0.69	0.08	L	10.7769	0.0237			B				D	15375−5137	I 2	1 C I D							D
76511	9.101	0.016	7.757	0.010		1.140	0.015	T	1.10	0.02	L	7.7893	0.0016	0.011	95		7.77	7.81		C			1							S
76512	8.892	0.017	7.634	0.011		1.072	0.016	T	1.04	0.01	L	7.6916	0.0019	0.012	59		7.67	7.72		C			1							S
76513	7.768	0.005	7.664	0.006		0.101	0.007	T	0.11	0.01	L	7.6896	0.0016	0.017	178		7.66	7.72		U			1							S P
76514	10.466	0.034	9.763	0.030		0.635	0.034	T	0.70	0.03	L	9.7795	0.0026	0.022	119		9.74	9.82		C			1							G
76515	12.201	0.181	10.152	0.043		1.734	0.153	T	2.03	0.23	K	10.0945	0.0104	0.079	108		10.01	10.23		U 2			1							
76516	9.745	0.025	8.428	0.015		1.118	0.023	T	1.08	0.02	L	8.4636	0.0021	0.013	80		8.44	8.49					1							
76517	8.509	0.016	8.126	0.016		0.363	0.021	T	0.42	0.02	L	8.1749	0.0015	0.012	60		8.16	8.19		C			1							S
76518	10.640	0.045	9.447	0.027		1.022	0.041	T	1.00	0.03	L	9.4902	0.0022	0.020	101		9.46	9.53		C			1							
76519	7.438	0.007	5.799	0.004		1.371	0.006	T	1.34	0.01	L	5.7958	0.0008	0.007	100		5.78	5.81					1							S
76520	9.623	0.017	9.091	0.016		0.480	0.015	G	0.55	0.02	H	9.1531	0.0017	0.020	126		9.12	9.19		C			1							
76521	10.701	0.042	9.648	0.027		0.904	0.039	T	0.91	0.03	L	9.7268	0.0037	0.026	84		9.67	9.78					1							G
76522	8.631	0.013	8.341	0.014		0.275	0.020	T	0.31	0.03	L	8.3930	0.0015	0.012	64		8.38	8.42					1							S
76523	9.913	0.034	8.622	0.020		1.098	0.031	T	1.06	0.03	L	8.7030	0.0016	0.014	54		8.68	8.72		C			1							
76524	9.701	0.019	8.382	0.012		1.120	0.018	T	1.08	0.02	L	8.3980	0.0016	0.018	100		8.37	8.43					1							
76525	10.277	0.027	9.766	0.027		0.480	0.035	T	0.55	0.04	L	9.7923	0.0025	0.032	153		9.75	9.84		C			1							
76526	10.229	0.034	9.586	0.030		0.583	0.015	G	0.65	0.01	H	9.6377	0.0023	0.019	92		9.60	9.67					1							
76527	10.211	0.045	9.576	0.040		0.585	0.045	T	0.66	0.04	L	9.7179	0.0025	0.016	61		9.69	9.74		C			1							
76528	8.651	0.011	8.063	0.010		0.559	0.017	G	0.63	0.02	H	8.1227	0.0017	0.015	103		8.10	8.15					1							S
76529	10.059	0.029	8.607	0.016		1.224	0.026	T	1.18	0.03	L	8.6021	0.0034	0.021	62		8.57	8.63					1							
76530	8.267	0.010	7.088	0.006		1.011	0.009	T	0.99	0.01	L	7.1524	0.0009	0.008	105		7.14	7.17		C			1							S
76531	11.480	0.072	10.425	0.044		0.915	0.064	T	0.91	0.05	L	10.5276	0.0036	0.037	143		10.46	10.61					1 X							
76532	7.164	0.005	5.909	0.004		1.074	0.002	G	1.10	0.06	F	5.9605	0.0007	0.005	74		5.95	5.97		C			1							S
76533	10.316	0.027	8.715	0.013		1.341	0.024	T	1.31	0.03	L	8.7310	0.0016	0.017	132		8.70	8.76		C			1							
76534	6.374	0.003	5.355	0.002		0.886	0.000	G	0.89	0.00	H	5.4091	0.0005	0.005	135		5.40	5.42					1							S
76535	8.086	0.013	7.627	0.014	*	0.471	0.015	G	0.54	0.02	H	* 7.5855	0.0010	0.010	71	*	7.57	7.63		D	15379−3115	I 1	2 C A	AB	330	0.917	0.004		0.68	0.02	S
76536	8.465	0.009	7.870	0.008	*	0.591	0.015	G	0.66	0.01	H	* 8.0025	0.0012	0.016	215	*	7.98	8.03		D	15379+3006	I 1	2 C A	AB	297	5.158	0.004		0.33	0.02	S
76537	10.817	0.057	9.559	0.032		1.000	0.040	G	0.98	0.03	R	9.5948	0.0032	0.026	60		9.53	9.64		C			1							
76538	8.483	0.011	8.114	0.011		0.371	0.003	G	0.43	0.00	H	8.1867	0.0043	0.035	101		8.12	8.22		U 2 C			1 G							S
76539	9.531	0.017	8.498	0.012		0.899	0.016	T	0.90	0.01	L	8.5519	0.0019	0.016	138		8.52	8.58		C			1							
76540	8.422	0.011	7.799	0.008	*	0.580	0.012	T	0.65	0.01	L	* 7.8451	0.0011	0.011	129	*	7.82	7.86		C	15379+5005	H 1	2 C S A	AB	122	0.174	0.021		1.81	0.39	S
76541	11.362	0.085	9.994	0.041		1.158	0.074	T	1.12	0.07	L	10.0045	0.0022	0.019	74		9.97	10.03					1							G
76542	9.797	0.023	8.023	0.011		1.478	0.020	T	1.49	0.03	L	8.0008	0.0015	0.014	87		7.98	8.02		C			1							S
76543	7.707	0.009	7.144	0.009		0.531	0.009	T	0.60	0.01	L	7.1879	0.0011	0.008	54		7.18	7.21					1							S
76544	9.230	0.020	8.168	0.014		0.921	0.018	T	0.92	0.01	L	8.2231	0.0018	0.011	68		8.21	8.25		C			1							S
76545	7.795	0.011	7.413	0.011		0.387	0.015	G	0.45	0.02	H	7.4796	0.0013	0.010	66		7.46	7.49					1							S
76546	9.683	0.023	8.392	0.014		1.098	0.021	T	1.06	0.02	L	8.4051	0.0016	0.018	91		8.38	8.43					1							
76547	10.096	0.031	9.604	0.031		0.484	0.005	G	0.56	0.01	H	9.6682	0.0025	0.022	84		9.63	9.70		C			1							
76548	9.574	0.022	8.865	0.019		0.653	0.024	T	0.72	0.02	L	8.9501	0.0029	0.022	80		8.90	9.00					1							S
76549	7.138	0.007	6.995	0.006		0.130	0.009	T	0.14	0.01	L	7.0283	0.0007	0.007	90		7.02	7.04					1							S
76550						1.228	0.005	G	1.39	0.01	I	11.3467	0.0043	0.038	69		11.27	11.41		C			1							G
76551	11.150	0.037	10.290	0.028		0.770	0.035	T	0.81	0.03	L	10.3610	0.0040	0.091	228		10.28	10.72		P 1 A			1 X							G
76552	6.193	0.004	4.506	0.002		1.412	0.013	G	1.42	0.02	A	4.4791	0.0007	0.006	91		4.47	4.49		C	15381−4234	I 1	1							S
76553	8.811	0.017	8.394	0.017		0.422	0.015	G	0.49	0.02	H	8.4575	0.0019	0.011	63		8.43	8.48		C			1							S
76554	8.122	0.010	8.072	0.012		0.051	0.014	T	0.06	0.01	L	8.0913	0.0018	0.016	77		8.07	8.11					1							
76555	9.427	0.015	8.050	0.009		1.165	0.014	T	1.13	0.01	L	8.0795	0.0012	0.010	106		8.06	8.10		C			1							
76556	8.789	0.013	8.178	0.012		0.574	0.015	G	0.65	0.01	H	8.2398	0.0013	0.014	108		8.21	8.26					1							S
76557	9.833	0.020	8.577	0.012		1.071	0.018	T	1.04	0.01	L	8.6491	0.0012	0.015	123		8.62	8.68		C			1							S
76558	9.002	0.011	7.625	0.006		1.165	0.010	T	1.13	0.01	L	7.6690	0.0010	0.015	153		7.64	7.69					1							S
76559	10.351	0.035	9.926	0.036		0.471	0.015	G	0.54	0.02	H	10.0051	0.0023	0.022	97		9.97	10.05		C			1							
76560	9.832	0.023	7.918	0.010		1.589	0.020	T	1.61	0.02	L	7.8525	0.0014	0.012	100		7.84	7.88		C			1							
76561	10.300	0.025	8.842	0.013		1.229	0.022	T	1.19	0.02	L	8.8938	0.0025	0.024	141		8.86	8.93					1							
76562	9.295	0.020	8.917	0.021		0.358	0.027	T	0.42	0.03	L	9.0013	0.0034	0.023	76		8.96	9.04					1							
76563	8.234	0.011	7.794	0.011	A	1.700	0.495	G	1.68	0.51	J	7.1796	0.0152	0.160	143	−	7.05	7.53		D	15382+3615	I 2	1 C P B							S G
76564	10.315	0.023	9.086	0.014		1.050	0.021	T	1.02	0.02	L	9.1337	0.0025	0.029	190		9.09	9.19					1							
76565	10.661	0.051	8.499	0.015		1.827	0.044	T	2.44	0.08	O	8.3251	0.0026	0.017	75		8.30	8.36					1							
76566	8.290	0.020	7.913	0.021	C	1.100	0.351	G	0.57	0.12	L	7.2272	0.0140	0.160	153	−	7.08	7.62		D	15382+3615	I 2	2 C F B	CD	73	1.096	0.037		1.87	0.29	S G
76567	7.845	0.009	6.458	0.005		1.176	0.006	G	1.14	0.01	H	6.4800	0.0009	0.007	80		6.47	6.49		C			1 S							S
76568	6.174	0.003	5.797	0.003		0.353	0.009	G	0.40	0.03	C	5.8402	0.0007	0.007	128		5.83	5.85					1 G							S
76569	7.192	0.006	5.942	0.004		1.077	0.004	G	1.04	0.00	H	5.9877	0.0010	0.007	80		5.98	6.01		C			1							S
76570	10.379	0.049	9.774	0.045	A	0.564	0.059	T	0.64	0.06	L	9.8125	0.0165	0.022	65	A	9.77	9.87			15383−0934	H 1	2 C D	AB	46	10.757	0.038		2.57	0.19	D
76571	9.235	0.018	8.618	0.016		0.598	0.006	G	0.67	0.01	H	8.6480	0.0018	0.016	93		8.62	8.67		C	15383−0608	I 1	1 S							S
76572	10.513	0.047	10.060	0.049	A	0.542	0.150	G	0.62	0.16	R	* 10.0264	0.0052	0.030	63	*	9.97	10.09		U	15383−1734	H 1	2 C D	AB	359	3.847	0.065		2.27	0.12	D
76573	8.472	0.011	7.017	0.010		1.245	0.012	T	3.66	0.03	O	6.4541	0.0071	0.089	138		6.26	6.62		U 2			1 S							S
76574	10.344	0.036	9.168	0.023		1.008	0.033	T	0.98	0.03	L	9.2135	0.0024	0.018	88		9.18	9.26		C			1 G							
76575	10.729	0.043	9.744	0.028	*	0.863	0.038	T	0.88	0.03	L	* 9.7841	0.0028	0.025	127	*	9.74	9.83		C	15383+4842	H 1	2 C D	AB	88	0.416	0.128		3.93	0.61	D
76576	9.961	0.030	8.622	0.017		1.136	0.027	T	1.10	0.03	L	8.6476	0.0018	0.016	78		8.62	8.67		C	15383−2020	I 1	1							
76577	8.599	0.013	8.138	0.013		0.435	0.017	T	0.50	0.02	L	8.1928	0.0015	0.013	80		8.17	8.23		C			1							S
76578	8.184	0.010	7.937	0.012	*	0.231	0.016	T	0.26	0.02	L	* 7.9793	0.0014	0.009	75	*	7.96	8.00		D	15384−2439	H 1	2 C A	AB	82	0.686	0.021		2.95	0.08	S
76579	7.014	0.005	6.819	0.005		0.187	0.007	T	0.21	0.01	L	6.8572	0.0009	0.009	119		6.84	6.87		C			1							S
76580	8.883	0.011	7.558	0.007		1.125	0.010	T	1.09	0.01	L	7.6206	0.0011	0.014	128		7.60	7.65			15384+2241	I 1	1							S
76581	7.718	0.008	7.769	0.010		−0.035	0.002	G	−0.01	0.00	H	7.7720	0.0014	0.012	84		7.75	7.80		C			1							S
76582	7.180	0.006	6.694	0.005		0.448	0.011	G	0.52	0.01	H	6.7464	0.0009	0.006	79		6.73	6.76					1							S
76583	10.678	0.042	9.875	0.033		0.711	0.041	T	0.77	0.03	L	9.9679	0.0025	0.021	86		9.93	10.02		C			1							G
76584	11.179	0.052	10.015	0.029		0.999	0.046	T	0.98	0.04	L	10.0678	0.0032	0.031	122		10.00	10.12					1							
76585	9.873	0.027	8.644	0.017		1.050	0.025	T	1.02	0.02	L	8.7165	0.0021	0.017	74		8.69	8.75					1							
76586	8.424	0.015	6.962	0.007		1.232	0.013	T	1.19	0.01	L	6.9672	0.0012	0.008	72		6.95	6.98					1							S
76587	9.250	0.017	8.936	0.019		0.298	0.024	T	0.34	0.03	L	8.9979	0.0021	0.019	109		8.97	9.03		C			1							S
76588	9.896	0.020	8.850	0.014		0.910	0.015	G	0.91	0.01	H	8.9325	0.0019	0.019	125		8.90	8.97					1							
76589	10.602	0.054	9.092	0.025		1.270	0.047	T	1.23	0.05	L	9.0902	0.0026	0.016	79		9.06	9.12		C			1							
76590	9.199	0.019	8.709	0.019		0.473	0.021	T	0.54	0.02	L	8.7785	0.0022	0.014	70		8.75	8.81		C			1							
76591	6.503	0.005	6.572	0.005		−0.069	0.006	G	−0.05	0.01	H	6.5745	0.0009	0.007	92		6.56	6.59					1							S
76592	10.284	0.028	8.336	0.011		1.616	0.024	T	1.64	0.03	L	8.2514	0.0032	0.022	110		8.22	8.29		U			1							S
76593	8.448	0.010	7.158	0.006		1.097	0.009	T	1.06	0.01	L	7.2154	0.0008	0.009	130		7.20	7.23		C			1							S
76594	6.891	0.004	5.927	0.003		0.847	0.004	T	0.86	0.00	L	5.9914	0.0006	0.006	114		5.98	6.01					1 G							S
76595	10.458	0.026	9.781	0.022		0.626	0.028	T	0.69	0.03	L	9.8525	0.0029	0.034	187		9.79	9.90		C			1 S							G
76596	11.382	0.096	9.963	0.042		1.198	0.082	T	1.16	0.08	L	10.0898	0.0047	0.034	77		10.02	10.14		C			1							G
76597	9.529	0.025	8.286	0.015	A	0.723	0.126	G	1.01	0.06	L	* 8.3012	0.0029	0.015	68	*	8.28	8.32			15386+0700	H 1	2 C B	AB	130	1.824	0.054		3.38	0.12	S
76598	7.367	0.005	7.296	0.007		0.070	0.008	T	0.08	0.01	L	7.3134	0.0010	0.009	112		7.30	7.33		C			1							S
76599	11.357	0.103	10.612	0.086		0.534	0.020	G	0.61	0.02	H	10.6453	0.0041	0.032	63		10.58	10.69		C			1							G
76600	3.447	0.003	3.628	0.003		−0.177	0.006	G	−0.18	0.02	A	3.5999	0.0008	0.005	65		3.59	3.61					1 G							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ $\alpha*$	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr												%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
76601	15 38 39.76	+06 14 23.7	8.03	H	234.665 654 90	+06.239 903 53		4.32	−39.00	13.78	0.96	0.71	1.22	1.19	1.04	−13	−34	−18	+23	− 5	+12	− 5	+ 1	+ 5	−21	0	−0.01
76602	15 38 39.95	−08 47 40.8	6.56	G	234.666 441 70	−08.794 654 90	B	44.21	1.31	−24.26	11.21	5.97	4.72	8.96	4.40	+ 5	−42	− 1	− 7	−23	− 5	−19	− 3	+ 5	+24	18	2.90
76603	15 38 40.07	−08 47 29.1	6.45	H	234.666 966 18	−08.791 423 77	A	40.19	16.72	−27.28	4.71	2.56	3.62	6.13	3.08	+ 0	−45	+ 3	− 9	−13	− 4	−14	− 3	+13	+10	18	2.90
76604	15 38 41.40	+68 49 18.5	7.45	H	234.672 512 44	+68.821 799 92		16.98	−67.51	85.16	0.51	0.58	0.59	0.48	0.61	+ 9	−21	− 6	−10	− 5	+ 1	+ 0	+ 4	−16	+ 0	0	0.01
76605	15 38 41.42	−17 39 53.2	7.15	H	234.672 565 59	−17.664 787 21		5.51	−43.04	−27.70	0.90	0.64	1.14	1.01	0.90	−16	−26	−29	+ 2	− 8	+26	+11	+22	−42	−27	0	−0.19
76606	15 38 41.60	−45 42 31.4	6.97	H	234.673 340 88	−45.708 732 28		3.31	−11.95	−12.81	0.71	0.56	0.86	0.87	0.71	− 6	−20	− 9	+30	+20	+ 4	+19	+30	+ 8	+ 4	0	−0.71
76607	15 38 41.79	−01 47 12.6	8.29	H	234.674 124 62	−01.786 821 96		4.24	18.97	−41.65	1.01	0.66	1.11	1.30	0.93	−20	−13	−15	+32	− 1	− 2	+ 4	+ 3	− 3	− 7	0	2.01
76608	15 38 42.17	−39 07 39.9	6.05	G	234.675 701 46	−39.127 746 71		5.21	15.37	5.22	0.62	0.51	0.79	0.79	0.72	−29	− 7	−22	+11	− 9	− 1	− 8	+41	−15	−28	0	2.76
76609	15 38 42.29	+57 31 14.6	7.89	H	234.676 210 89	+57.520 730 23		3.21	11.48	−5.80	0.59	0.54	0.65	0.58	0.58	+ 2	− 3	− 1	−11	− 6	− 3	− 5	+ 5	− 8	−10	0	0.37
76610	15 38 42.51	+31 33 06.7	7.22	H	234.677 122 08	+31.551 856 91		8.90	−7.94	−3.03	0.45	0.52	0.73	0.51	0.58	+28	− 3	−19	−12	− 2	−17	− 5	+ 0	+ 4	+18	1	1.56
76611	15 38 43.25	−26 50 27.3	8.51	H	234.680 194 92	−26.840 927 07		5.32	−28.03	−50.49	0.98	0.57	1.07	1.16	0.80	− 4	−15	−20	+28	+ 2	+26	+11	+14	+ 7	+ 1	0	−1.40
76612	15 38 44.03	+12 15 11.7	7.44	G	234.683 475 86	+12.253 253 87		3.50	−12.94	−14.40	0.82	0.62	0.95	1.24	1.02	−10	− 5	−28	− 2	+ 5	−37	− 9	−11	+18	−43	2	0.22
76613	15 38 44.24	−61 49 38.7	8.55	H	234.684 347 09	−61.827 403 76		−0.13	−13.34	−14.82	0.80	0.84	1.24	0.97	1.09	+25	−12	−12	+50	+57	−20	+59	+20	−10	+27	0	−1.05
76614	15 38 44.59	−23 02 58.0	7.17	H	234.685 779 87	−23.049 446 19		2.17	−18.58	−11.44	0.90	0.55	1.07	1.04	0.90	−21	−34	−20	− 4	+11	+ 4	+ 8	− 9	+17	−34	0	−1.50
76615	15 38 44.94	+15 24 52.2	7.97	H	234.687 240 84	+15.414 503 09		10.38	45.24	−64.55	1.01	0.71	1.14	1.11	0.90	−12	−48	− 5	+41	−10	−12	−23	− 2	+21	−29	2	1.13
76616	15 38 45.86	−06 19 02.6	8.37	H	234.691 094 61	−06.317 393 90		4.73	−4.29	−10.75	0.92	0.58	1.09	1.09	0.86	−24	−25	+ 2	+20	− 7	+18	− 7	+10	− 3	−23	2	−0.95
76617	15 38 48.86	+34 40 30.3	6.12	H	234.703 569 06	+34.675 078 76		7.09	−6.56	−16.19	0.41	0.45	0.59	0.48	0.54	+18	− 2	+ 3	+14	+15	+ 2	+15	+17	+ 1	+13	1	1.67
76618	15 38 49.50	−52 22 21.4	5.43	H	234.706 269 82	−52.372 619 65		7.13	−34.13	−30.86	0.60	0.50	0.73	0.77	0.66	+ 5	− 6	−22	+32	+25	+ 6	+28	+20	+18	+15	0	0.43
76619	15 38 49.53	+10 36 56.8	7.10	H	234.706 390 13	+10.615 764 96		6.36	17.91	−3.96	0.95	0.60	1.01	1.13	0.94	−10	−44	+ 7	+31	−14	−13	−24	+26	+26	−12	0	1.90
76620	15 38 49.75	−02 49 43.7	8.57	G	234.707 273 84	−02.828 800 45		9.94	−52.49	12.60	0.96	0.67	1.13	1.10	0.91	−15	−28	−21	+32	− 5	+15	+ 2	+17	− 7	−20	0	1.27
76621	15 38 51.06	+22 38 46.0	8.75	H	234.712 764 84	+22.646 099 30		12.07	−22.44	−65.02	0.69	0.97	1.27	0.90	1.23	−39	− 5	−10	+26	+17	−12	+ 8	−36	+15	−51	0	−0.26
76622	15 38 51.35	−13 00 28.0	9.78	H	234.713 958 36	−13.007 772 77		5.22	−7.07	17.38	1.77	0.82	1.92	1.57	1.08	+ 3	−60	−18	+21	+ 1	+11	+ 7	+17	− 6	−11	0	2.82
76623	15 38 52.66	−58 12 40.4	8.68	H	234.719 435 01	−58.211 210 14		2.67	−3.23	−3.98	1.05	0.95	1.22	1.33	1.37	−24	−20	− 7	+20	+10	−25	+ 5	+12	+27	−47	0	1.66
76624	15 38 52.93	+51 34 12.5	8.38	H	234.720 555 89	+51.570 151 55		3.76	−4.22	37.31	0.69	0.73	0.85	0.84	1.10	+16	−18	−12	+19	+ 8	+15	+ 6	+ 6	+27	+27	0	−0.79
76625	15 38 52.95	−50 20 47.4	8.70	H	234.720 607 12	−50.346 495 17		5.76	−23.70	−32.17	1.02	0.86	1.37	1.28	1.24	+ 2	−28	−37	+25	+ 7	−17	− 1	+25	+12	−17	0	−0.03
76626	15 38 54.25	−69 12 32.4	9.09	H	234.726 042 30	−69.208 996 10		20.17	−159.41	−46.32	0.69	0.91	1.32	0.86	1.21	+28	+ 4	+12	− 1	+15	−18	+17	+10	−14	+42	0	0.82
∗76627	15 38 54.60	+57 27 42.5	7.28	2 H	234.727 489 25	+57.461 803 65		1.81	−18.31	−11.19	0.53	0.48	0.57	0.51	0.53	+ 6	− 7	+ 2	−19	− 5	− 5	− 2	+ 0	− 8	− 4	0	1.17
∗76628 H	15 38 54.51	−19 18 06.2	5.36	H	234.727 113 74	−19.301 709 14	∗	9.60	84.20	−75.23	4.22	1.44	1.45	1.99	1.47	−63	−19	− 5	−31	− 2	− 1	−14	+ 0	−16	+ 0	2	−0.28
76629	15 38 57.60	−57 42 26.4	8.14	2 T	234.740 009 74	−57.707 336 50		25.15	−52.87	−105.99	0.90	0.89	1.09	1.11	1.03	−16	−25	−18	+23	− 3	+ 2	−11	+38	+ 5	−15	2	0.82
76630	15 38 58.89	+46 55 35.8	6.75	1 H	234.745 381 97	+46.926 608 33		2.09	−9.47	−20.48	0.54	0.51	0.62	0.58	0.58	+12	− 4	− 7	−24	− 8	−13	− 9	−14	+10	+ 0	1	−1.15
76631	15 38 59.73	−20 34 59.7	8.99	H	234.748 861 01	−20.583 255 05		6.91	−50.60	−59.60	1.42	0.72	1.46	2.11	1.41	+ 0	−17	− 6	−12	−19	+ 8	−25	+11	−27	+33	0	−0.34
76632	15 38 59.85	+85 17 09.1	6.88	H	234.749 384 54	+85.285 856 95		7.97	−63.39	33.12	0.46	0.53	0.55	0.49	0.65	+ 6	− 4	−14	− 9	+ 7	− 3	+12	+13	+ 4	−12	0	−1.16
∗76633	15 39 00.07	−19 43 57.0	7.64	H	234.750 278 86	−19.732 510 08		5.17	−13.89	−18.75	1.04	0.61	1.26	1.40	1.18	−12	− 6	−16	−13	−22	+ 4	−25	+21	−53	+11	0	0.02
∗76634	15 39 01.06	+03 28 04.1	7.36	H	234.754 427 97	+03.467 805 41		7.20	−43.80	−51.19	0.87	0.70	1.04	1.01	1.03	−12	−32	−19	+21	+26	−25	+13	−26	+25	−31	3	0.24
∗76635	15 39 01.18	−00 18 40.7	7.50	G	234.754 908 08	−00.311 298 59		18.14	−208.35	−82.54	0.77	0.54	0.88	0.80	0.68	+ 4	−44	−30	+ 9	−10	− 2	− 9	+20	− 4	−14	2	0.24
∗76636	15 39 01.44	−22 28 25.2	7.56	H	234.755 993 67	−22.473 673 19		2.77	4.00	6.20	0.88	0.52	1.00	1.00	0.79	−11	−36	−11	+16	− 6	+19	− 5	+22	+ 8	−17	3	−1.33
∗76637	15 39 01.48	−78 14 06.2	6.99	H	234.756 173 21	−78.235 060 44		6.44	−29.52	−47.86	0.46	0.51	0.65	0.50	0.66	+14	−20	+ 8	− 3	− 1	+ 6	− 6	+ 7	+16	+36	0	−0.10
∗76638	15 39 02.02	−06 01 22.8	8.54	G	234.758 417 71	−06.023 006 41		13.22	−58.93	6.61	1.03	0.63	1.23	1.47	1.03	−30	−13	+ 3	+20	− 6	+21	− 4	+ 5	− 5	+22	0	0.99
∗76639 H	15 39 02.60	+25 44 47.0	8.16	G	234.760 840 07	+25.746 383 97	∗	11.04	32.21	3.57	1.77	1.61	1.22	0.79	0.76	−36	−25	− 4	+43	−13	−15	−21	+11	+ 8	−31	0	−0.61
∗76640	15 39 00.01	−28 35 33.2	11.77	H																							
76641	15 39 03.28	+43 51 59.2	8.65	H	234.763 659 06	+43.866 436 73		12.63	−104.91	32.35	0.70	0.73	0.81	0.93	0.88	+ 8	− 4	− 3	+27	+12	+ 6	+12	+37	−10	− 4	0	0.03
∗76642	15 39 04.03	−83 13 57.6	8.75	1 G	234.766 806 54	−83.232 674 66		0.87	−10.73	−7.77	0.63	0.66	0.81	0.64	0.71	+ 6	−26	−12	− 2	+ 2	−12	− 2	+12	+13	− 1	1	0.53
∗76643	15 39 04.03	+36 45 15.5	9.30	H	234.766 797 96	+36.754 312 32		3.87	−15.62	2.15	0.71	0.76	0.99	0.83	0.89	+10	+ 4	−16	+12	+12	+ 8	+14	+ 2	+ 3	+10	0	0.18
76644	15 39 04.79	−47 06 44.9	8.27	H	234.769 961 81	−47.112 458 66		1.90	−3.57	−3.41	0.84	0.71	1.04	0.90	0.93	−14	−22	− 6	+ 3	− 7	− 2	− 4	+24	− 7	−23	0	1.29
∗76645	15 39 06.40	−48 36 49.5	7.83	2 H	234.776 657 36	−48.613 762 54		3.10	−3.70	−5.05	0.79	0.66	1.01	0.75	0.75	−24	−35	− 3	− 6	+ 6	−22	+ 9	+ 3	−12	−16	0	1.71
∗76646 H	15 39 05.93	−08 33 52.0	8.94	H	234.774 720 77	−08.564 457 52	A	5.43	−102.28	−12.29	5.21	3.13	4.44	5.62	3.82	+27	−26	−33	+12	+ 3	− 3	+ 5	+19	− 9	+ 0	15	2.62
76647	15 39 06.50	−16 07 43.6	9.92	H	234.777 082 06	−16.128 769 89		9.48	−107.37	−30.47	1.40	0.98	1.56	1.56	1.19	−27	−16	− 7	+ 5	+10	+18	+15	− 3	− 9	−17	0	0.41
76648 H	15 39 06.69	−72 17 51.4	7.38	H	234.777 895 80	−72.297 619 39	A	4.38	−19.40	−15.05	0.54	0.69	0.78	0.53	0.79	+ 6	−17	+ 6	+ 5	+ 1	− 7	+ 0	+25	− 3	+10	1	−0.32
76649	15 39 07.39	+45 52 03.3	9.03	H	234.780 794 74	+45.867 588 11		3.24	−34.97	11.56	0.76	0.76	0.91	0.82	0.88	+ 4	−14	− 2	− 8	+ 0	+11	− 1	− 6	+ 6	+ 8	0	−0.99
76650	15 39 07.74	−42 38 13.6	9.74	H	234.782 246 87	−42.637 115 29		20.58	−41.77	−79.02	1.31	0.99	1.56	1.64	1.37	− 4	− 8	−14	+21	+13	+ 6	+15	+33	+ 4	+ 0	0	−0.36
76651	15 39 09.52	+57 55 27.9	6.45	H	234.789 686 08	+57.924 416 88		7.36	−5.85	3.87	0.50	0.45	0.54	0.48	0.49	+ 7	−15	− 2	−24	− 3	− 5	− 1	− 5	− 1	− 5	0	−0.49
76652 H	15 39 11.59	−36 00 38.5	9.31	H	234.798 275 09	−36.010 688 33	A	3.27	−11.73	−7.00	1.86	1.26	2.03	2.33	1.80	−26	−17	− 2	+17	+17	−23	+ 5	+36	− 9	+14	0	0.74
76653	15 39 11.79	+45 07 02.5	8.12	G	234.799 118 40	+45.117 366 16		6.46	20.31	15.22	0.63	0.58	0.72	0.71	0.67	+ 0	− 5	− 3	+ 4	−14	+ 0	−11	+16	− 3	−24	0	−0.20
76654	15 39 12.03	+55 43 55.0	9.62	G	234.800 105 72	+55.731 948 93		6.33	−2.95	2.51	0.83	0.84	0.94	0.94	0.99	+ 6	−18	− 9	− 5	−11	+ 5	−11	+ 4	+ 9	− 8	0	1.26
76655	15 39 13.31	+66 48 10.7	10.31	H	234.805 441 46	+66.802 974 16		6.36	−343.66	120.91	0.91	0.94	0.99	0.97	1.06	+ 6	− 2	− 7	−16	− 6	−15	− 6	+14	−10	+ 3	0	−0.88
76656	15 39 13.60	+31 41 16.4	8.35	H	234.806 674 53	+31.687 875 46		6.97	−9.72	18.98	0.57	0.72	0.96	0.67	0.80	+22	+ 2	− 1	− 7	− 8	−17	− 9	−20	− 7	+18	0	1.52
76657	15 39 13.62	−21 13 38.7	9.63	G	234.806 766 80	−21.227 423 28		11.16	−17.09	−43.32	1.80	0.91	1.88	1.86	1.43	− 2	−47	−14	+ 5	−18	+16	−15	+29	−11	− 2	0	0.32
76658	15 39 15.24	+29 37 19.7	10.23	3 H	234.813 493 70	+29.622 128 21		5.11	−8.15	−6.04	0.89	1.15	1.65	1.01	1.36	+32	−12	+ 6	−11	−12	+ 4	−12	− 4	− 2	+27	0	2.58
76659	15 39 16.23	−48 19 05.1	10.53	2 H	234.817 610 69	−48.318 087 41		−3.20	−1.33	−2.56	1.73	1.34	2.13	2.00	1.78	− 7	−22	+ 0	+ 1	+ 3	−24	+ 2	+12	− 5	+ 6	4	2.18
76660	15 39 16.69	−72 51 56.0	8.69	H	234.819 561 23	−72.865 558 36		−0.92	−1.33	−1.82	0.69	0.84	1.10	0.75	1.00	+17	−11	+13	−11	− 2	−16	− 2	+20	+18	+14	0	−0.49
76661	15 39 17.43	−59 12 24.6	8.84	G	234.822 631 25	−59.206 834 54		0.01	−2.18	−5.46	0.89	0.89	1.28	1.01	1.15	+ 8	−23	−30	− 1	+10	−25	− 3	+16	+15	+ 5	4	−0.41
76662	15 39 17.72	−25 08 45.7	10.52	G	234.823 834 19	−25.146 020 98		0.65	14.54	−9.05	2.03	1.05	2.33	2.24	1.55	−15	−35	−23	+ 0	+18	+ 2	+22	−18	+ 7	−11	0	−2.20
76663	15 39 17.77	−48 21 09.7	10.27	H	234.824 058 21	−48.352 683 47		2.96	−10.58	−4.91	1.59	1.20	1.94	1.68	1.48	− 4	−29	−10	− 3	+ 6	−22	+ 3	+13	− 4	+ 5	0	2.02
76664	15 39 18.62	−77 55 03.7	6.19	H	234.827 574 95	−77.917 687 42		9.61	−79.59	−130.26	0.43	0.48	0.59	0.45	0.59	+19	−21	− 4	−18	−10	+ 0	−14	− 8	+ 8	+30	1	0.76
76665	15 39 18.73	+32 54 45.1	8.84	H	234.828 057 33	+32.912 528 64		−0.53	4.35	−4.43	0.71	0.86	1.16	0.84	1.00	+23	− 7	+ 7	− 8	− 2	+16	− 2	+ 6	+ 2	+19	0	0.19
76666	15 39 21.39	−23 09 00.6	6.33	H	234.839 122 25	−23.150 171 12		10.67	−29.64	−21.82	0.85	0.46	0.89	1.02	0.74	− 8	−37	− 8	−16	−16	+ 9	−23	+14	+ 3	+ 7	0	−1.61
76667 H	15 39 21.53	+33 31 04.4	10.39	H	234.839 690 72	+33.517 901 81	A	−3.66	−14.94	16.78	6.73	5.20	6.06	7.23	6.11	+26	+ 6	+12	− 2	− 4	+11	− 2	+ 4	+14	+27	3	2.57
76668	15 39 21.93	−10 16 22.1	10.18	G	234.841 363 58	−10.272 817 73		21.38	−11.16	−167.69	5.85	3.12	6.04	8.49	4.22	− 4	−15	− 7	+26	+ 2	− 3	+ 3	− 7	+19	+ 8	0	
76669 H	15 39 22.68	+36 38 09.0	4.64	G	234.844 515 83	+36.635 827 63	A	6.89	−15.29	−6.51	0.54	0.58	0.67	0.58	0.62	+ 4	+ 0	− 4	+ 0	+ 8	+15	+ 8	+ 3	− 4	− 1	4	1.80
76670	15 39 22.82	+21 22 43.9	9.30	H	234.845 099 19	+21.378 849 69		12.38	−18.43	18.59	1.15	0.99	1.51	1.40	1.39	−25	−36	+ 9	−55	+ 2	+25	− 6	−24	+19	−30	0	2.04
76671	15 39 23.14	−43 29 49.0	9.18	H	234.846 401 74	−43.496 953 90		−0.33	0.12	−6.14	1.11	0.86	1.36	1.23	1.21	−15	− 9	−22	− 7	−17	−23	+15	+40	− 7	−37	0	−0.03
76672	15 39 23.59	+10 44 44.4	9.11	H	234.848 304 03	+10.745 667 91		−1.38	6.38	−1.54	1.37	0.94	1.57	2.14	1.62	+ 2	−19	−21	+13	+ 8	−14	− 2	− 5	+31	−20	0	1.14
76673 H	15 39 24.43	−27 10 21.8	9.58	H	234.851 771 86	−27.172 717 68	A	12.45	−16.86	−29.86	3.66	3.07	3.09	3.35	2.84	−14	−25	−12	+ 9	− 1	− 4	− 1	+ 7	+11	−48	1	−0.01
76674	15 39 25.23	+27 37 34.2	8.99	H	234.855 130 06	+27.626 179 04		20.65	−52.07	53.30	0.70	0.76	1.30	0.73	0.90	+11	+ 5	+15	+19	+ 7	− 8	+ 4	− 7	− 4	− 5	1	2.03
76675	15 39 25.32	−34 46 48.0	8.74	H	234.855 501 84	−34.780 009 34		13.61	1.78	39.88	1.11	0.78	1.16	1.45	1.18	−12	−15	+ 0	+20	− 6	− 6	− 7	+23	− 5	− 2	0	−0.12
76676 H	15 39 26.44	−13 54 38.8	8.05	G	234.860 147 72	−13.910 781 57	∗	14.11	−54.79	−160.35	1.09	0.72	1.15	1.28	0.96	−22	−22	− 9	+39	− 6	+16	− 1	+31	− 4	−18	0	−0.36
76677	15 39 26.44	+30 12 26.4	8.73	H	234.860 184 47	+30.207 335 63		2.10	−2.80	−19.28	0.61	0.73	1.08	0.63	0.82	+34	−10	− 8	−18	− 5	− 5	− 3	+ 5	− 5	+25	1	0.66
76678	15 39 27.22	+02 41 55.1	10.35	H	234.863 400 66	+02.698 626 89		7.17	12.14	−12.86	1.70	1.18	2.06	2.13	2.05	−21	−45	−13	+33	+ 7	−22	− 9	− 8	+27	−42	0	2.21
76679	15 39 27.23	−51 04 40.5	8.34	H	234.863 478 82	−51.077 924 31		3.10	−4.20	−5.92	0.85	0.86	1.10	1.05	1.16	−30	− 9	−22	+17	−13	+ 4	− 8	+38	− 2	−44	0	−0.70
76680	15 39 27.45	−34 37 57.9	8.48	G	234.864 355 80	−34.632 760 04		4.88	5.31	−18.27	1.01	0.72	1.13	1.43	1.23	−15	− 4	− 9	+13	− 6	− 1	− 7	+19	+ 9	−10	0	−1.56
76681 H	15 39 31.06	−01 03 54.9	8.00	H	234.879 398 46	−01.065 250 28	A	5.45	−24.19	12.67	1.33	0.93	1.42	1.55	1.15	−18	−17	−21	+13	− 3	+ 3	+10	− 1	−23	+ 4	1	0.83
76682	15 39 31.74	−09 35 07.3	9.12	G	234.882 269 03	−09.585 374 02		3.28	−20.14	2.25	1.36	0.82	1.41	1.68	1.18	−21	−36	+ 5	+25	−12	−12	+20	+ 2	−10	0	1	1.11
76683	15 39 32.03	−28 30 21.8	9.33	H	234.883 443 41	−28.506 055 74		5.24	−55.43	8.16	1.49	0.93	1.52	1.45	1.32	+ 5	−15	−18	−10	−26	+ 9	−25	+21	−28	− 5	0	−0.19
76684	15 39 32.06	+42 41 48.9	7.68	2 H	234.883 595 13	+42.696 912 42		2.08	−11.19	15.47	0.58	0.62	0.74	0.62	0.70	− 2	−15	+ 9	− 9	− 3	+ 7	− 1	+ 7	− 8	−11	0	−0.76
76685	15 39 33.74	−63 02 24.2	8.79	H	234.890 578 13	−63.040 046 60		2.34	−5.81	−21.98	0.61	0.71	1.03	0.77	0.93	− 3	−11	− 6	+ 5	+21	−19	+22	+ 9	− 7	−16	0	−1.01
76686	15 39 34.89	+08 59 50.4	8.55	H	234.895 356 16	+08.997 333 15		1.11	24.26	−18.93	1.28	0.86	1.31	1.74	1.35	− 9	−10	− 9	+41	−20	− 2	−19	+28	−24	− 9	0	−1.14
76687	15 39 34.90	−55 25 37.4	6.94	H	234.895 404 75	−55.427 058 94		3.10	−2.93	−4.69	0.63	0.59	0.77	0.84	0.85	+ 5	−14	− 7	+33	+ 6	− 3	+ 5	+40	−10	+26	0	0.05
∗76688	15 39 35.98	+75 16 22.5	8.36	H	234.899 907 09	+75.272 908 57		2.54	11.15	−17.63	0.58	0.66	0.67	0.61	0.74	− 4	−15	−18	−16	+20	− 9	+18	+11	−18	+ 7	1	1.29
∗76689	15 39 35.90	−23 48 02.7	8.10	H	234.899 564 83	−23.800 747 31		7.43	−18.18	−11.59	1.08	0.61	1.22	1.42	1.04	−13	−31	−19	−18	+ 4	+ 2	− 2	−10	+15	− 6	0	−1.43
76690 H	15 39 36.41	−27 38 35.7	7.61	H	234.901 722 14	−27.643 252 00	A	8.06	12.19	3.28	2.19	1.44	1.86	2.05	1.57	+ 1	− 6	− 4	+ 0	− 6	−13	− 3	+13	−14	+18	5	2.26
76691	15 39 36.71	−01 23 31.6	9.97	G	234.902 945 51	−01.392 115 53		7.62	−8.60	−8.21	3.05	1.81	3.05	3.94	2.46	+ 1	−15	−12	+34	+ 7	+ 7	+12	+ 3	− 4	+ 8	0	
76692	15 39 36.74	+29 11 38.5	8.63	H	234.903 101 88	+29.194 019 98		5.29	−15.15	−10.76	0.54	0.74	1.19	0.52	0.80	+34	− 2	+10	−30	− 7	−12	− 2	− 8	−15	+25	2	2.11
76693	15 39 36.89	+06 59 12.5	8.20	H	234.903 692 61	+06.986 793 30		6.95	4.94	−53.97	0.94	0.65	1.03	1.05	0.84	−13	−33	− 7	+22	−14	+15	− 5	+19	−21	−17	0	−2.06
76694	15 39 38.09	−27 31 28.3	9.38	2 H	234.908 702 55	−27.524 518 17		5.20	7.26	−3.93	1.38	0.85	1.57	1.71	1.17	−10	−12	−28	− 2	+ 2	+ 1	+ 0	+ 5	+ 7	+ 0	0	2.68
76695 H	15 39 38.72	+79 58 59.2	6.89	G	234.911 329 35	+79.983 119 14	A	8.50	−32.21	39.99	0.95	0.99	0.92	0.90	1.14	+16	−20	−17	−20	−11	+ 3	−12	+28	+ 8	+ 4	1	0.66
76696	15 39 39.47	+35 39 06.2	9.80	H	234.914 473 11	+35.651 715 53		10.47	−79.27	7.01	1.66	1.87	2.42	1.75	2.03	+12	− 2	+ 2	− 6	− 1	− 5	+ 0	− 2	− 2	− 3	0	
76697	15 39 39.52	+54 52 19.5	8.72	H	234.914 685 19	+54.872 073 76		7.26	−31.97	21.02	0.67	0.72	0.79	0.74	0.84	+11	−10	−26	− 7	+ 3	− 8

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
76601	9.678	0.024	8.173	0.013		1.266	0.021	T	1.22	0.02	L	8.1867	0.0019	0.012	64		8.17	8.21		C			1							S
76602	7.172	0.010	6.613	0.008	B	0.520	0.015	G	0.59	0.02	H	6.6814	0.0166			B				D	15387−0848	I 2	1 C I A							S
76603	7.053	0.010	6.532	0.010	A	0.505	0.013	G	0.58	0.01	H	6.5557	0.0152	0.064	59	A	6.52	6.74		D	15387−0848	I 2	1 C P A							S
76604	7.981	0.008	7.498	0.008		0.455	0.010	T	0.52	0.01	L	7.5561	0.0013	0.013	111		7.54	7.58		C			1							S
76605	8.474	0.014	7.258	0.007		1.039	0.012	T	1.01	0.01	L	7.3144	0.0011	0.010	68		7.30	7.34					1							S
76606	6.868	0.004	6.959	0.006		−0.078	0.006	T	−0.06	0.01	L	6.9531	0.0008	0.008	98		6.94	6.97		C			1							S
76607	9.557	0.025	8.427	0.017		0.972	0.024	T	0.96	0.02	L	8.4566	0.0022	0.016	70		8.42	8.48					1							S
76608	6.307	0.004	6.079	0.004		0.204	0.005	G	0.22	0.01	H	6.1159	0.0006	0.006	96		6.11	6.13			15387−3908	I 1	1							S
76609	9.074	0.014	7.979	0.010		0.946	0.013	T	0.94	0.01	L	8.0545	0.0014	0.012	102		8.03	8.08			15388+5729	I 2	1							S
76610	7.512	0.004	7.255	0.005		0.245	0.006	T	0.27	0.01	L	7.2923	0.0011	0.013	192		7.27	7.31					1							S
76611	9.354	0.019	8.595	0.016		0.677	0.019	T	0.74	0.02	L	8.6502	0.0019	0.014	82		8.63	8.68		C			1							S
76612	7.332	0.008	7.422	0.008		−0.087	0.008	G	−0.07	0.01	H	7.4122	0.0016	0.012	67		7.40	7.43					1							S
76613	10.405	0.026	8.708	0.012		1.417	0.023	T	1.40	0.04	L	8.6879	0.0013	0.017	163		8.66	8.72					1 S							
76614	9.293	0.020	7.364	0.009		1.601	0.017	T	1.62	0.02	L	7.2813	0.0011	0.009	69		7.27	7.30		C			1							S
76615	8.499	0.015	8.017	0.015		0.454	0.019	T	0.52	0.02	L	8.0712	0.0018	0.010	56		8.06	8.09		C			1							S
76616	8.895	0.014	8.422	0.014		0.446	0.018	T	0.52	0.02	L	8.4688	0.0018	0.017	93		8.44	8.49					1							S
76617	7.459	0.005	6.244	0.003		1.039	0.005	T	1.01	0.00	L	6.2916	0.0006	0.007	166		6.28	6.31		C			1							S
76618	5.430	0.003	5.426	0.003		0.005	0.004	T	0.03	0.00	L	5.4408	0.0006	0.005	82		5.43	5.46			15388−5222	I 1	1							S
76619	8.326	0.014	7.193	0.009		0.975	0.013	T	0.96	0.01	L	7.2613	0.0013	0.008	54		7.25	7.27		C			1							S
76620	9.044	0.015	8.626	0.015		0.443	0.003	G	0.51	0.00	H	8.6614	0.0014	0.016	86		8.64	8.70					1							S
76621	9.355	0.015	8.799	0.014		0.521	0.018	T	0.59	0.02	L	8.8639	0.0020	0.017	133		8.84	8.90					1							S
76622	10.960	0.063	9.903	0.041		0.917	0.057	T	0.92	0.04	L	9.9330	0.0025	0.023	71		9.89	9.97		C			1							
76623	10.120	0.031	8.813	0.018		1.111	0.028	T	1.07	0.03	L	8.8458	0.0024	0.015	72		8.81	8.87		C	15389−5813	I 1	1							S
76624	9.748	0.019	8.476	0.012		1.083	0.018	T	1.05	0.01	L	8.5484	0.0015	0.016	118		8.51	8.58		C			1							S
76625	10.073	0.030	8.792	0.018		1.090	0.027	T	1.05	0.03	L	8.8655	0.0021	0.018	74		8.84	8.90		C			1							S
76626	10.161	0.020	9.172	0.014		0.854	0.019	T	0.90	0.02	L	9.2342	0.0021	0.026	209		9.20	9.29					1							
76627	9.289	0.015	7.527	0.007		1.469	0.013	T	1.48	0.02	L	7.4152	0.0041	0.048	108		7.33	7.48		U 2	15388+5729	I 2	1 S							S
76628	6.470	0.005	5.459	0.003	*	0.883	0.001	G	0.89	0.00	H	*	5.5154	0.0007	0.005	70	*	5.50	5.53		D	15389−1918	H 1	2 C B	AB	127	0.280	0.085	3.23	0.31	S
76629	9.199	0.017	8.230	0.013		0.817	0.007	G	0.86	0.01	H	8.2985	0.0210	0.093	83		8.16	8.39		U 2 C			1 G							
76630	8.908	0.011	6.956	0.005		1.619	0.010	T	1.64	0.01	L	6.8610	0.0021	0.017	122		6.83	6.89		U 2			1							S
76631	9.645	0.025	9.045	0.023		0.559	0.025	T	0.63	0.02	L	9.1164	0.0019	0.017	77		9.09	9.14					1							
76632	7.125	0.005	6.908	0.005		0.207	0.007	T	0.23	0.01	L	6.9468	0.0008	0.010	125		6.93	6.96		C			1							S
76633	7.693	0.009	7.641	0.011		0.047	0.013	T	0.06	0.01	L	7.6604	0.0014	0.009	73		7.64	7.68					1							S
76634	9.293	0.022	7.512	0.010		1.484	0.019	T	1.50	0.03	L	7.4893	0.0019	0.013	67		7.47	7.51					1							S
76635	8.157	0.011	7.558	0.008		0.548	0.004	G	0.61	0.02	A	7.6151	0.0012	0.011	84		7.59	7.63					1							S
76636	9.787	0.028	7.754	0.011		1.684	0.024	T	1.71	0.03	L	7.6663	0.0013	0.009	76		7.65	7.68		C			1							
76637	7.204	0.005	7.018	0.005		0.178	0.007	T	0.20	0.01	L	7.0453	0.0009	0.010	138		7.03	7.06					1							S
76638	9.138	0.017	8.611	0.016		0.518	0.015	G	0.59	0.02	H	8.6562	0.0017	0.013	93		8.63	8.68		C			1							S
76639	8.941	0.013	8.301	0.011	*	0.545	0.015	G	0.62	0.01	H	*	8.3382	0.0016	0.017	143	*	8.32	8.37		D	15390+2545	I 1	2 C A	BA	52	0.219	0.005	0.12	0.09	S
76640											T		11.9269	0.0088	0.060	59		11.80	12.05					S							D G
76641	9.443	0.016	8.727	0.013		0.658	0.017	T	0.72	0.01	L	8.7818	0.0020	0.016	125		8.75	8.81					1							S
76642	8.640	0.012	8.726	0.016		−0.080	0.015	G	−0.06	0.02	H	8.7401	0.0023	0.021	140		8.70	8.78		U			1							
76643	9.670	0.023	9.357	0.024		0.297	0.031	T	0.34	0.04	L	9.3710	0.0016	0.023	146		9.34	9.41		C			1							
76644	10.430	0.034	8.469	0.013		1.626	0.029	T	1.65	0.03	L	8.3853	0.0026	0.023	96		8.35	8.42					1							
76645	10.186	0.029	8.043	0.010		1.812	0.025	T	2.45	0.05	O	7.8613	0.0029	0.025	99		7.82	7.90		U 2			1							
76646	9.210	0.032	8.632	0.024	*	0.540	0.035	T	0.61	0.04	L	*	9.0522	0.0327	0.218	62	*	8.94	9.81		D	15391−0834	I 1	2 C A	AB	298	2.539	0.012	0.28	0.03	W
76647	10.531	0.057	9.975	0.055		0.526	0.059	T	0.60	0.06	L		10.0366	0.0034	0.018	63		10.00	10.06		C			1							
76648	7.388	0.009	7.328	0.009	*	0.060	0.012	T	0.07	0.01	L	*	7.4099	0.0010	0.011	176	*	7.39	7.43		D	15391−7218	I 1	2 C A	AB	321	2.085	0.010	3.13	0.06	S
76649	10.443	0.034	9.180	0.019		1.076	0.030	T	1.04	0.03	L		9.1973	0.0016	0.021	137		9.16	9.24		D			1							
76650	10.961	0.094	9.817	0.055		0.976	0.086	T	1.02	0.08	L		9.8873	0.0025	0.027	98		9.85	9.94		C			1							G
76651	7.860	0.008	6.564	0.005		1.102	0.007	T	1.06	0.01	L		6.6190	0.0007	0.006	99		6.61	6.63		C			1							S
76652	10.982	0.049	9.480	0.021	A						T	*	9.4211	0.0024	0.023	116	*	9.38	9.47		D	15392−3601	I 1	2 C A	AB	343	1.535	0.023	2.63	0.11	
76653	8.530	0.009	8.151	0.009		0.343	0.013	G	0.40	0.02	H		8.2089	0.0015	0.014	122		8.19	8.24					1							S
76654	10.146	0.026	9.632	0.025		0.440	0.015	G	0.51	0.02	H		9.7055	0.0022	0.019	109		9.67	9.74		C			1							
76655	11.036	0.049	10.373	0.044		0.615	0.055	T	0.68	0.05	L		10.4436	0.0023	0.025	116		10.41	10.49		C			1							G
76656	9.065	0.011	8.431	0.010		0.589	0.013	T	0.66	0.01	L		8.4748	0.0015	0.017	161		8.44	8.50		C			1							S
76657	10.339	0.040	9.708	0.036		0.557	0.005	G	0.63	0.01	H		9.7452	0.0037	0.025	78		9.70	9.79		C			1							
76658	10.720	0.029	10.252	0.031		0.454	0.033	T	0.52	0.04	L		10.3359	0.0048	0.079	214		10.26	10.78		P 1 A			1 S							G
76659	10.834	0.052	10.709	0.079		0.121	0.089	T	0.14	0.09	L		10.5731	0.0057	0.055	96		10.49	10.67		U	15393−4819	I 1	1							G
76660	10.668	0.032	8.861	0.013		1.504	0.027	T	1.53	0.04	L		8.8171	0.0018	0.023	159		8.78	8.86					1							
76661	9.801	0.025	8.957	0.020		1.086	0.015	G	1.05	0.01	H		8.9767	0.0032	0.020	74		8.95	9.02					1							
76662	11.360	0.087	10.639	0.073		0.730	0.020	G	0.78	0.01	H		10.6542	0.0030	0.023	73		10.62	10.69		C			1							G
76663	10.832	0.048	10.248	0.048		0.545	0.060	T	0.62	0.06	L		10.3860	0.0039	0.036	94		10.30	10.43					1							G
76664	7.784	0.006	6.330	0.003		1.207	0.028	G	1.14	0.03	C		6.3598	0.0008	0.009	151		6.35	6.38					1							S
76665	10.139	0.026	8.944	0.016		1.023	0.024	T	1.00	0.02	L		9.0120	0.0022	0.020	126		8.98	9.05		C			1							
76666	6.366	0.005	6.335	0.006		0.023	0.003	G	0.04	0.00	H		6.3489	0.0009	0.005	72		6.34	6.36					1							S
76667	11.103	0.052	10.579	0.051	*	0.492	0.066	T	0.56	0.07	L	*	10.4899	0.0033	0.042	143	*	10.42	10.58		R	15394+3331	I 1	2 C A	AB	252	0.738	0.009	0.13	0.04	
76668	11.588	0.130	10.312	0.062		1.075	0.015	G	1.14	0.02	I		10.1975	0.0044	0.032	74		10.14	10.27		D	15394−1016	I 1	1 X S							G
76669	4.481	0.003	4.596	0.003	*	−0.103	0.015	G	−0.09	0.02	H	*	4.6131	0.0007	0.007	147	*	4.60	4.65		D	15394+3638	I 1	2 C A	AB	305	6.324	0.002	0.97	0.01	S
76670	9.882	0.025	9.342	0.025		0.513	0.026	T	0.59	0.03	L		9.4095	0.0025	0.020	99		9.37	9.44		C			1							S
76671	9.667	0.021	9.253	0.022		0.405	0.025	T	0.47	0.03	L		9.2686	0.0031	0.023	90		9.23	9.31					1							
76672	10.712	0.055	9.236	0.026		1.243	0.048	T	1.20	0.05	L		9.2795	0.0024	0.018	58		9.25	9.31		C			1							
76673	10.504	0.042	9.648	0.032	*	0.751	0.041	T	0.79	0.03	L	*	9.7067	0.0039	0.030	78	*	9.66	9.77		R	15394−2710	I 1	2 C A	AB	353	0.362	0.004	0.25	0.04	
76674	9.905	0.019	9.078	0.015		0.729	0.019	T	0.78	0.01	L		9.1290	0.0024	0.025	131		9.09	9.18					1							
76675	9.457	0.021	8.851	0.020		0.563	0.021	T	0.64	0.02	L		8.8614	0.0027	0.016	75		8.83	8.89		C			1							
76676	8.709	0.014	8.115	0.013	*	0.536	0.001	G	0.61	0.00	H	*	8.1722	0.0012	0.011	74	*	8.15	8.19		D	15394−1355	H 1	2 C S A	AB	356	0.173	0.005	0.30	0.18	S
76677	10.672	0.031	8.872	0.012		1.499	0.026	T	1.53	0.04	L		8.8523	0.0018	0.022	221		8.81	8.89					1							
76678	11.176	0.074	10.415	0.065		0.694	0.077	T	0.75	0.06	L		10.4910	0.0036	0.024	69		10.46	10.54		C			1							G
76679	9.168	0.016	8.443	0.013		0.691	0.019	G	0.75	0.02	H		8.4843	0.0021	0.016	85		8.44	8.52		C			1							
76680	9.040	0.024	8.518	0.023		0.485	0.015	G	0.56	0.02	H		8.5839	0.0017	0.014	71		8.56	8.62		C			1							
76681	9.359	0.020	8.131	0.013	*	1.049	0.019	T	1.02	0.02	L	*	8.1663	0.0015	0.011	82	*	8.15	8.20		D	15395−0104	I 1	2 C B	AB	79	0.822	0.045	3.54	0.13	S
76682	10.032	0.037	9.141	0.028		0.848	0.015	G	0.86	0.01	H		9.2428	0.0023	0.020	66		9.21	9.27					1							
76683	10.039	0.030	9.354	0.027		0.633	0.033	T	0.70	0.03	L		9.4603	0.0020	0.018	67		9.42	9.48		C			1							
76684	9.659	0.017	7.895	0.008		1.500	0.015	T	2.45	0.04	O		7.6987	0.0041	0.037	130		7.65	7.76		U 2			1							S
76685	8.894	0.010	8.810	0.013		0.076	0.015	T	0.09	0.02	L		8.8223	0.0019	0.018	159		8.79	8.86		C			1							
76686	10.245	0.040	8.706	0.020		1.293	0.035	T	1.25	0.04	L		8.7108	0.0022	0.014	54		8.68	8.74		C			1							S
76687	8.902	0.013	7.086	0.006		1.511	0.011	T	1.54	0.02	L		7.0665	0.0016	0.011	87		7.04	7.08					1							S
76688	9.934	0.024	8.484	0.013		1.223	0.021	T	1.18	0.02	L		8.5247	0.0017	0.012	104		8.51	8.55		C			1							
76689	8.529	0.012	8.133	0.013		0.387	0.015	T	0.45	0.02	L		8.1889	0.0011	0.009	77		8.17	8.21		C			1							S
76690	8.122	0.046	7.850	0.044	A						T	*	7.7419	0.0016	0.012	80	*	7.72	7.76		D	15396−2739	I 1	2 C A	AB	282	1.840	0.007	0.14	0.01	
76691	10.781	0.058	10.131	0.051		0.709	0.015	G	0.76	0.01	H		10.0906	0.0037	0.025	67		10.05	10.13		C			1 X							
76692	9.308	0.009	8.689	0.008		0.576	0.011	T	0.65	0.01	L		8.7547	0.0012	0.020	261		8.72	8.79					1							S
76693	8.720	0.017	8.227	0.017		0.464	0.022	T	0.53	0.02	L		8.3027	0.0020	0.011	69		8.29	8.34		C			1							S
76694	10.131	0.031	9.408	0.027		0.650	0.031	T	0.71	0.03	L		9.5115	0.0079	0.049	72		9.43	9.58	0.89	P 1 A			1							
76695	7.345	0.009	6.949	0.008	*	0.392	0.015	G	0.46	0.02	H	*	6.9711	0.0013	0.009	102	*	6.96	6.99		D	15396+7959	I 1	2 C A	AB	27	0.669	0.002	0.78	0.01	S
76696	10.734	0.039	9.858	0.028		0.782	0.036	T	0.82	0.03	L		9.9473	0.0033	0.031	142		9.89	9.99					1 X S							
76697	9.105	0.013	8.746	0.013		0.340	0.017	T	0.40	0.02	L		8.7983	0.0021	0.018	112		8.76	8.83					1							S
76698	11.260	0.062	10.424	0.045		0.752	0.058	T	0.80	0.04	L		10.6993	0.0040	0.032	113		10.65	10.76		C			1							G
76699	7.385	0.006	7.023	0.005		0.343	0.007	T	0.40	0.01	L		7.0653	0.0009	0.010	109		7.05	7.08					1							S
76700	8.739	0.017	8.189	0.016		0.515	0.021	T	0.59	0.02	L		8.2471	0.0017	0.013	55		8.23	8.28		C			1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)												Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$		F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr													%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
76701	15 39 40.67	−32 58 37.2	8.63	H	234.919 448 16	−32.976 989 82		24.63	−121.90	−58.65	1.18	0.80	1.48	1.18	1.16	− 4	−44	−39	− 3	+13	− 7	+ 7	−13	+11	−40		0	1.71
76702	15 39 42.61	−27 22 33.4	9.37	H	234.927 560 97	−27.375 953 49		7.25	−26.17	−38.93	1.37	0.81	1.54	1.59	1.15	− 6	−22	−23	+ 9	+ 6	+ 8	+ 6	+ 2	+14	− 5		0	1.54
76703	15 39 43.81	−09 37 09.6	8.37	H	234.932 545 88	−09.619 320 50		5.26	−34.88	−27.00	1.15	0.76	1.22	1.45	1.09	−25	−37	+ 7	+30	−11	−21	−10	+31	− 1	− 7		0	−0.09
76704	15 39 45.22	+44 18 40.8	8.21	H	234.938 425 05	+44.311 335 50		8.89	1.28	−60.62	0.63	0.63	0.74	0.79	0.73	+12	− 8	+ 4	+22	+ 5	− 5	+ 7	+29	−11	− 7		0	−0.96
76705	15 39 45.97	−34 24 42.8	4.66	G	234.941 561 88	−34.411 892 73		13.32	5.65	−13.70	0.72	0.52	0.81	0.99	0.85	−17	−16	−10	+16	−11	+ 2	−14	+26	+ 5	− 9		0	0.40
76706	15 39 45.98	−30 56 10.2	8.84	H	234.941 585 46	−30.936 155 34		8.63	30.49	7.35	1.13	0.80	1.35	1.10	1.01	− 3	−31	−30	+ 4	− 4	− 1	+ 1	+20	−11	−27		0	1.22
76707	15 39 47.17	+12 44 01.2	10.20	H	234.946 556 95	+12.733 672 28		2.59	−11.18	13.34	1.58	1.18	1.82	1.95	1.73	−12	−41	−22	− 1	+13	+ 1	+13	−18	− 7	−40		0	0.35
76708	15 39 49.25	−14 03 20.6	7.59	H	234.955 226 41	−14.055 720 30		5.94	0.62	−35.88	0.98	0.67	1.03	1.20	0.86	−17	−15	− 8	+36	− 1	+20	+ 4	+24	− 4	−11		5	0.11
76709	15 39 50.47	+64 39 42.6	7.57	H	234.960 291 28	+64.661 833 66		3.12	7.81	4.39	0.54	0.53	0.57	0.52	0.59	+15	−16	− 7	−22	− 2	−18	− 4	+ 4	− 9	+21		0	−0.04
76710	15 39 51.94	+08 31 36.7	8.40	H	234.966 426 19	+08.526 854 99		16.58	44.48	−33.76	1.05	0.85	1.07	1.61	1.22	−16	−31	−18	+24	−32	+ 9	−31	+55	− 7	+ 1		0	−0.38
76711	15 39 52.21	−36 26 06.8	8.44	G	234.967 538 16	−36.435 209 24		9.10	9.60	20.54	0.85	0.66	1.04	0.99	0.91	−28	−14	− 4	+24	− 2	− 2	+ 0	+39	− 7	−23		0	0.30
76712	15 39 53.04	−34 39 24.0	8.84	H	234.970 992 26	−34.656 655 17		6.94	−32.75	−36.87	1.10	0.76	1.23	1.47	1.28	−19	−13	−10	+18	− 7	− 4	− 6	+24	− 4	−22		0	1.11
76713	15 39 53.95	−61 10 57.9	9.48	G	234.974 782 15	−61.182 750 26		19.69	−18.61	−248.40	1.00	1.00	1.85	1.26	1.33	+28	−31	−30	+47	+58	−52	+57	+19	−15	+18		0	−0.07
76714 H	15 39 54.48	−19 46 08.7	6.88	H	234.976 992 28	−19.769 083 80	B	15.37	27.74	−23.72	4.26	1.68	3.34	10.91	4.19	−31	+ 9	−12	+26	+ 0	−14	− 2	+25	−32	+19		2	1.20
76715	15 39 56.47	+13 42 11.6	10.89	H	234.985 312 17	+13.703 222 70		8.08	−153.41	−136.38	2.02	1.55	2.21	2.44	2.53	−11	−24	− 7	+35	+13	− 9	+ 1	− 7	+23	−37		0	−0.02
76716	15 39 56.69	−59 54 28.1	5.95	H	234.986 191 35	−59.907 815 12		32.34	−121.90	−215.20	0.58	0.54	0.76	0.76	0.77	+ 6	−13	−23	+12	+13	−18	+ 7	+16	+ 6	+21		0	−0.48
76717	15 39 57.59	−12 11 55.9	9.32	G	234.989 969 54	−12.198 854 68		5.15	−20.15	−31.61	1.28	0.71	1.42	1.35	1.10	−12	−43	−16	+23	− 9	+ 0	− 9	+18	+ 1	−37		0	0.71
*76718	15 39 57.78	+21 10 08.0	9.08	H	234.990 763 63	+21.168 901 65		3.52	−14.18	6.05	1.11	0.98	1.44	1.39	1.30	−12	−24	+19	−58	−10	+23	−20	−33	+15	− 1		0	1.56
*76719	15 39 57.72	−41 29 50.9	10.01	H	234.990 516 87	−41.497 477 82		7.12	−70.22	−57.78	1.40	1.22	1.72	1.43	1.51	−37	−27	− 4	+19	− 9	−11	− 5	+40	−10	−36		0	−0.67
76720	15 39 58.94	−36 10 17.5	8.01	G	234.995 602 63	−36.171 517 43		9.72	9.47	1.49	0.80	0.64	1.01	1.03	0.95	−43	− 9	−10	+18	−10	−16	−11	+43	−14	−35		0	−0.64
76721	15 40 01.42	+59 25 56.7	9.68	H	235.005 900 01	+59.432 407 44		4.09	−5.95	−17.33	0.79	0.83	0.92	0.78	0.95	−16	− 5	− 8	− 2	−23	− 1	−22	+12	− 1	−44		0	−1.15
76722	15 40 01.68	−46 54 58.7	8.65	H	235.007 008 68	−46.916 315 07		1.59	−11.31	−20.23	0.92	0.75	1.14	0.98	0.97	− 4	−27	− 9	+ 9	+ 3	+ 4	+ 5	+22	− 6	− 3		0	0.47
76723	15 40 02.89	−65 39 42.0	8.33	H	235.012 025 51	−65.661 666 61		0.26	−5.71	−5.03	0.52	0.70	0.92	0.59	0.83	− 5	−11	+ 2	−15	− 2	− 6	+ 5	+26	− 9	−18		0	0.95
76724	15 40 04.31	+02 33 18.3	7.82	H	235.017 973 66	+02.555 079 03		4.84	−19.77	−56.23	0.90	0.70	1.15	1.18	1.23	−19	−27	−13	+16	+ 8	+14	− 3	−13	+33	−33		0	1.98
76725	15 40 05.31	−88 39 16.5	7.58	H	235.022 128 66	−88.654 571 77		1.80	3.15	−24.61	0.49	0.54	0.61	0.51	0.67	+ 6	−16	+12	+ 8	− 5	− 4	− 3	+ 7	−13	+18		0	−0.32
76726	15 40 05.67	−22 19 31.7	10.20	H	235.023 611 77	−22.325 484 40		13.67	57.90	−44.90	1.75	1.04	1.92	2.09	1.68	−15	−31	−20	+26	−24	+23	−19	+41	− 4	−32		0	−1.52
76727	15 40 05.90	−35 42 01.7	9.88	H	235.024 600 54	−35.700 470 33		7.12	−38.74	−25.62	1.33	0.94	1.70	2.05	1.49	−23	−16	− 7	+23	+ 0	−31	− 4	+39	− 8	− 3		0	−0.53
76728	15 40 06.68	−29 13 28.1	9.20	G	235.027 851 76	−29.224 481 20		−0.51	−8.53	−1.75	1.68	0.92	1.78	1.90	1.50	+ 6	− 9	+ 9	−34	−30	−24	−33	− 2	−37	+23		0	0.69
76729	15 40 08.34	−10 30 44.8	9.69	G	235.034 758 77	−10.512 432 89		3.68	23.41	−10.41	1.48	0.88	1.59	1.86	1.41	−25	−28	− 5	+32	−18	+12	−18	+32	+ 6	−31		0	−1.09
76730	15 40 09.24	−45 01 16.5	7.42	H	235.038 507 24	−45.021 252 95		5.40	−2.96	−68.71	0.71	0.61	0.92	0.78	0.76	−24	−27	−10	+15	− 1	−10	+ 0	+30	− 2	−28		0	0.20
76731	15 40 10.13	−50 28 14.0	8.61	G	235.042 200 25	−50.470 562 15		2.99	−2.30	−5.92	0.92	0.82	1.17	1.14	1.20	−14	−20	−21	+21	− 5	−16	− 8	+33	+14	−34		0	−0.92
76732	15 40 10.26	−38 42 33.0	8.26	H	235.042 749 88	−38.709 157 06		0.91	7.02	−5.01	0.90	0.79	1.14	1.15	1.08	−39	− 7	−18	+14	− 7	− 1	− 9	+43	−22	−26		0	−0.35
76733	15 40 10.36	+12 03 10.6	6.22	H	235.043 151 37	+12.052 953 54		3.08	−16.65	−8.22	0.71	0.59	0.86	1.04	0.90	−17	− 5	−29	− 4	+10	−35	− 3	−15	+11	−38		2	−0.37
76734	15 40 10.96	−56 54 52.3	6.63	H	235.045 652 67	−56.914 521 25	+	5.05	−18.17	−28.09	0.88	1.36	0.91	3.19	1.98	+45	−26	−15	+52	+80	− 2	+52	+75	−19	+75		0	0.52
76735	15 40 11.49	−30 44 06.8	9.23	H	235.047 892 82	−30.735 231 50		8.06	−27.19	−9.88	1.15	0.85	1.40	1.24	1.20	− 9	−18	−38	+10	−17	+10	− 9	+30	−17	−39		0	0.22
76736	15 40 11.63	−70 13 39.9	6.45	H	235.048 443 03	−70.227 748 87		12.94	−41.39	−55.11	0.37	0.45	0.62	0.40	0.55	+15	−16	− 9	+ 1	+ 2	− 8	+ 4	+28	−16	+13		1	−0.86
76737	15 40 12.76	−39 23 26.4	8.48	H	235.053 161 19	−39.390 666 99		−0.42	−12.99	−19.30	1.07	0.81	1.40	1.11	1.08	−25	−25	−25	+10	−14	−15	−12	+46	−16	−35		0	2.30
76738	15 40 14.04	−02 19 42.6	8.90	H	235.058 517 49	−02.328 498 76		5.97	−16.36	−44.19	1.21	0.75	1.42	1.56	1.28	−29	−42	− 4	+19	−18	− 4	−18	+18	+ 0	−29		0	0.11
76739	15 40 15.56	−31 12 49.3	6.35	H	235.064 836 46	−31.213 694 04		5.13	−49.77	−31.64	0.72	0.54	0.89	0.73	0.68	− 7	−36	−36	+10	−16	+18	− 2	+30	−17	−38		0	1.51
76740	15 40 15.89	+56 11 32.2	9.01	H	235.066 205 60	+56.192 288 50		1.11	3.43	−1.61	0.73	0.73	0.79	0.83	0.86	+14	− 5	− 2	−13	−13	+ 1	− 4	+19	− 7	−14		1	−0.81
76741	15 40 16.42	−63 22 41.2	9.16	H	235.068 435 91	−63.378 106 76		1.56	−0.39	−5.79	0.77	0.91	1.39	1.01	1.12	+ 1	−10	+ 6	+ 6	+27	−23	+29	+ 9	−10	+ 4		0	0.98
76742	15 40 16.91	−23 49 05.0	4.97	G	235.070 438 93	−23.818 058 41		8.55	−15.62	−8.18	0.86	0.48	0.98	1.13	0.84	− 7	−35	−18	−17	− 3	− 6	−14	− 2	+22	− 8		0	−0.18
76743 H	15 40 17.34	−14 31 40.2	9.63	H	235.072 255 69	−14.527 842 41	A	2.80	−23.17	−29.69	4.77	2.44	4.05	5.48	2.68	−11	− 4	−15	+29	+ 7	+17	+12	− 3	+41	+27		0	−0.05
76744	15 40 17.48	+34 15 37.1	7.82	H	235.072 828 22	+34.260 292 98		3.32	−5.50	6.10	0.49	0.56	0.73	0.57	0.64	+12	− 7	+10	− 4	+ 0	+ 7	+ 0	+13	+ 5	+ 5		0	0.35
76745	15 40 17.71	+44 49 51.6	7.54	H	235.073 789 04	+44.830 996 33		13.86	−20.38	5.50	0.56	0.54	0.66	0.67	0.63	+ 1	− 5	− 1	+ 7	− 8	−16	− 4	+19	− 5	−23		0	−1.80
76746	15 40 18.73	−57 08 20.2	8.47	H	235.078 054 66	−57.138 954 33		1.35	−2.25	−6.46	0.85	0.84	1.12	1.25	1.14	+ 6	+ 7	−22	+29	+10	+ 4	+ 7	+45	−13	+24		0	0.75
76747	15 40 19.28	−71 34 03.9	9.52	H	235.080 329 25	−71.567 755 32		21.14	−105.20	−85.93	0.86	0.98	1.38	0.82	1.25	+18	−22	− 7	+ 4	+ 9	− 8	+13	+25	− 8	+12		2	−0.02
76748	15 40 19.65	+48 03 16.9	7.78	G	235.081 864 73	+48.054 696 96		16.16	−111.19	87.78	0.59	0.57	0.66	0.65	0.68	+25	− 7	+ 7	−28	−10	−10	−11	− 8	+ 2	+33		2	1.18
76749	15 40 19.83	−43 30 22.7	8.78	H	235.082 644 80	−43.506 306 11		2.76	−1.46	11.15	0.94	0.79	1.26	1.11	1.12	−15	−13	−21	+ 8	− 1	−19	+ 0	+23	− 9	−32		0	−2.45
76750	15 40 21.36	−73 26 47.9	5.64	G	235.088 995 54	−73.446 634 58		4.44	−12.76	−20.73	0.37	0.44	0.57	0.45	0.52	+11	+ 2	+ 8	−11	+ 8	−13	+ 2	+24	+ 4	+29		0	−1.24
*76751	15 40 21.44	+01 28 08.6	8.11	G	235.089 342 42	+01.469 055 95		15.44	−20.37	−112.39	0.93	0.69	1.23	1.26	1.36	−20	−35	+ 0	+26	+ 3	−33	− 9	+ 2	+36	−47		0	−0.05
*76752	15 40 21.44	+43 50 46.4	7.16	H	235.089 338 06	+43.846 218 26	+	14.02	−21.87	63.82	0.59	0.63	0.74	1.14	1.43	+ 1	−19	+15	−26	+17	+38	+40	− 5	−47	−71		0	0.63
76753	15 40 21.55	−59 08 11.4	8.13	H	235.089 810 44	−59.136 497 65		3.65	−5.72	−4.69	0.82	0.82	1.16	1.02	1.18	− 2	−27	−23	+13	− 1	−24	−10	+23	+15	−13		0	−1.07
76754	15 40 21.67	−29 58 02.8	8.64	G	235.090 292 68	−29.967 430 70		3.37	−16.41	−11.59	1.03	0.69	1.12	1.10	0.98	− 4	−21	−17	+16	−10	+ 6	− 6	+25	−16	−13		0	0.56
76755	15 40 21.84	−66 32 57.0	9.03	H	235.090 986 40	−66.549 158 25		5.00	28.24	−28.32	0.58	0.91	1.33	0.62	1.03	+11	− 7	+17	−21	−10	−16	−18	+37	−14	+31		0	−0.98
76756	15 40 22.52	−45 46 50.8	10.72	G	235.093 829 67	−45.780 777 37		0.99	−5.97	−1.15	1.64	1.15	2.06	1.69	1.52	−15	−45	+ 0	+14	+ 4	−19	+ 5	+27	− 4	−12		0	2.26
76757	15 40 22.80	+54 57 34.9	8.69	H	235.095 011 88	+54.959 685 39		13.71	64.93	1.68	0.63	0.66	0.72	0.74	0.88	+21	−19	−23	− 9	+ 1	− 8	− 4	+ 4	+12	+19		1	1.34
76758	15 40 23.03	−20 58 15.4	9.69	G	235.095 957 42	−20.970 944 16		21.03	−145.15	−140.56	1.81	0.92	2.11	1.87	1.40	+ 1	−49	−24	− 6	−17	+27	+ 1	+23	−28	− 7		0	1.12
76759	15 40 23.27	+17 23 53.1	9.61	H	235.096 953 37	+17.398 072 99		6.87	−19.66	18.72	1.23	1.18	1.70	1.34	1.40	− 9	−13	− 4	−44	−28	+25	−21	−10	−12	−39		0	−0.60
76760	15 40 23.50	−44 14 48.9	8.05	H	235.097 932 76	−44.246 918 41		0.37	−11.66	−8.90	0.82	0.70	1.06	0.83	0.93	−19	−25	−24	+ 5	−19	−22	−17	+38	− 6	−48		0	0.13
76761 H	15 40 23.70	+21 22 43.2	8.39	H	235.098 743 07	+21.378 669 56	A	3.02	−22.28	17.65	2.08	1.58	1.96	1.93	1.49	−14	−20	+10	−50	−24	+14	−30	−19	+24	− 7		1	0.45
76762	15 40 24.70	−44 17 18.8	6.98	2 H	235.102 915 28	−44.288 559 64		1.89	− 8.36	− 4.31	0.65	0.54	0.83	0.68	0.76	−18	−28	−21	+ 5	−21	−16	−12	+39	− 7	−52		0	2.02
76763	15 40 25.55	−00 54 44.5	8.07	G	235.106 475 62	−00.912 364 85		7.16	52.33	−30.08	0.94	0.66	1.02	1.17	0.93	− 5	−26	− 3	+26	+ 4	− 4	+ 6	+17	− 3	+ 6		0	0.23
76764	15 40 25.99	+37 31 01.7	6.91	1 H	235.108 294 68	+37.517 127 95		3.58	1.69	−14.55	0.51	0.52	0.66	0.63	0.62	+15	+ 5	+ 2	+18	+ 8	+ 0	+ 8	+16	+ 1	+ 5		0	0.42
76765	15 40 26.24	+04 50 02.8	9.98	2 G	235.109 336 91	+04.834 117 56		3.26	1.41	4.12	1.28	1.13	1.68	1.52	1.34	− 7	−19	−44	+23	−12	+16	− 2	+18	−21	−27		0	0.57
76766	15 40 26.86	+49 50 08.7	9.03	H	235.111 914 67	+49.835 763 43		1.61	18.90	−15.65	0.82	0.77	0.93	0.96	0.90	+ 5	− 7	−10	+ 4	+ 3	+13	+ 4	+ 5	− 4	− 3		1	2.27
76767	15 40 27.25	−74 26 35.4	7.92	1 H	235.113 548 64	−74.443 169 36		4.20	− 7.66	−16.11	0.55	0.61	0.79	0.59	0.73	+10	−17	+ 7	+ 3	− 3	− 6	− 8	+31	+11	+19		0	−1.30
76768 H	15 40 28.43	−18 41 44.8	10.15	G	235.118 475 33	−18.695 782 51	A	23.47	−69.81	−157.08	4.10	2.36	4.10	4.79	2.93	−22	−13	−25	−16	− 9	+ 4	−18	+ 7	− 6	+ 9		0	−0.34
76769 H	15 40 28.46	+18 40 17.2	7.59	H	235.118 572 42	+18.671 432 35	B	4.69	−17.76	16.29	2.31	3.35	2.48	2.44	3.91	−24	−18	−20	−11	+ 8	+ 5	+ 1	−36	+34	−35		1	2.56
76770 H	15 40 28.62	−63 50 17.0	7.98	H	235.119 249 85	−63.838 056 57	A	0.31	− 8.92	−14.05	1.43	1.33	1.70	1.54	1.49	+11	− 9	− 1	+11	+30	−10	+24	+19	− 2	+18		2	−0.16
76771	15 40 28.88	−02 00 23.9	9.11	H	235.120 342 64	−02.006 640 82		3.51	− 9.25	−21.57	1.24	0.75	1.43	1.41	1.06	− 9	−45	−16	+14	− 7	+ 5	− 4	+ 5	− 1	− 4		0	−0.85
76772	15 40 30.02	−07 18 04.2	9.50	G	235.125 098 08	−07.301 154 22		16.27	32.60	2.63	1.21	0.78	1.44	1.44	1.27	−24	−32	−12	+33	−10	+ 5	−15	+14	+16	−44		0	−1.44
76773	15 40 30.23	+37 01 01.2	7.16	H	235.125 960 14	+37.017 003 79		7.36	−14.91	− 6.95	0.48	0.51	0.64	0.58	0.59	+13	+ 4	− 1	+19	+13	+ 2	+13	+23	− 6	− 5		0	0.20
76774	15 40 32.00	−10 53 02.5	9.09	H	235.133 331 82	−10.884 030 26		4.16	−18.52	− 4.68	1.29	0.77	1.45	1.58	1.35	−19	−27	−12	+23	−13	+ 6	−15	+22	+ 8	−43		0	1.73
76775	15 40 32.44	−39 37 53.9	9.31	H	235.135 161 95	−39.631 627 66		2.38	8.44	3.22	1.39	1.02	1.67	1.68	1.43	−18	−16	−22	+26	− 7	− 5	− 6	+49	−10	−18		2	−0.12
76776	15 40 32.96	+61 52 50.6	8.08	G	235.137 336 10	+61.880 709 82		5.31	−23.09	19.83	0.70	0.63	0.73	0.71	0.73	+15	−23	−23	−18	− 2	−11	− 7	− 4	+ 7	+12		0	−0.52
76777 H	15 40 33.18	+31 28 19.8	8.62	H	235.138 259 92	+31.472 170 85	*	2.59	−68.27	59.34	1.40	1.47	1.24	0.87	1.13	+17	− 2	− 8	+12	+ 0	− 8	− 2	−14	− 3	+ 7		0	−1.15
76778	15 40 33.62	−43 00 44.8	8.36	H	235.140 066 04	−43.012 435 92		0.03	− 7.91	− 5.92	0.83	0.66	1.04	0.91	0.85	−12	−16	−18	+ 9	+ 0	− 1	+ 2	+28	− 2	−16		4	−0.34
76779	15 40 34.47	−18 02 57.3	8.92	G	235.143 629 54	−18.049 245 79		63.56	160.18	89.91	1.18	0.81	1.36	1.43	1.04	−28	−12	−16	+ 5	− 3	+17	− 2	+18	−23	−10		0	−0.29
76780	15 40 35.14	+04 10 13.3	8.39	H	235.146 399 76	+04.170 348 45		11.70	20.50	−16.49	0.97	0.72	1.16	1.13	0.98	− 1	−38	−19	+23	+ 8	− 2	+14	− 1	−16	− 7		0	2.18
76781	15 40 37.27	−03 12 07.3	9.71	H	235.155 312 13	−03.202 035 31		3.65	−10.63	− 6.40	1.66	1.01	1.68	1.84	1.45	− 7	−26	− 1	+42	+20	+ 2	+26	+ 0	− 2	− 4		0	0.01
76782	15 40 37.84	−25 35 32.7	7.96	H	235.157 685 09	−25.592 420 23		10.54	−34.45	−39.97	0.95	0.64	1.15	1.15	0.94	−28	− 6	−28	+ 4	+ 9	+10	+15	− 8	+11	−35		0	−0.44
76783	15 40 38.09	+61 57 34.2	9.49	1 H	235.158 717 60	+61.959 506 59		1.56	−14.08	3.72	0.87	0.87	0.93	0.97	1.16	+ 6	−14	− 7	−30	− 6	− 4	−10	− 1	+ 8	+11		3	1.87
76784	15 40 38.51	−03 28 44.9	9.66	H	235.160 453 07	−03.479 145 34		5.51	−14.82	−23.71	1.42	0.91	1.57	1.92	1.38	−22	+ 5	−10	+36	− 3	+21	+ 3	+ 1	− 7	−14		2	−0.74
76785	15 40 38.78	−32 14 19.3	9.42	H	235.161 578 60	−32.238 683 91		4.17	4.51	0.30	1.28	0.92	1.57	1.54	1.25	−20	− 9	−28	+ 8	+10	+20	+ 6	+15	−14		0	0.22
76786	15 40 40.17	+65 50 28.1	9.45	G	235.167 378 54	+65.841 128 08		12.54	41.87	−191.98	0.74	0.76	0.80	0.83	0.91	+ 9	−16	− 4	−11	− 1	− 1	− 2	+18	− 2	+12		0	−0.53
76787	15 40 40.50	−16 45 20.3	8.56	H	235.168 761 27	−16.755 629 79		8.56	−40.72	−25.96	1.07	0.67	1.18	1.07	0.84	−22	−37	−11	−14	+11	+10	+14	−10	− 3	−22		2	0.44
76788	15 40 42.73	+68 25 59.8	8.55	H	235.178 058 57	+68.433 264 05		4.19	5.19	−11.10	0.59	0.68	0.68	0.63	0.75	+ 3	− 9	− 4	−14	+ 0	−11	+ 1	+ 0	−17	+ 4		0	−0.30
76789	15 40 43.77	−13 51 12.9	9.06	H	235.182 357 94	−13.853 596 44		1.70	− 6.40	−10.63	1.22	0.77	1.30	1.57	1.14	−16	−21	+ 1	+26	+ 4	+11	+ 7	+15	− 3	−12		0	−0.34
76790	15 40 43.92	−21 36 16.6	7.99	H	235.182 982 41	−21.604 597 24		4.73	− 5.77	−11.07	0.95	0.58	1.10	1.08	0.84	−10	−37	−16	+11	−13	+31	− 3	+28	−13	−24		0	1.08
76791	15 40 45.30	+38 43 06.9	7.78	H	235.188 767 71	+38.718 576 50		2.04	8.96	3.03	0.54	0.56	0.72	0.58	0.63	+ 7	−10	+11	+ 6	+ 1	+ 4	+ 2	+15	− 3	− 2		0	−0.33
76792	15 40 45.33	+29 58 19.8	7.52	H	235.188 863 36	+29.972 177 52		5.50	−28.83	27.36	0.52	0.65	0.94	0.54	0.70	+36	−20	−23	−35	−14	+ 9	−12	− 9	+ 7	+32		1	0.30
76793	15 40 45.35	−32 51 58.4	8.83	G	235.188 975 59	−32.866 228 07		35.44	−140.64	−122.35	1.44	0.90	1.78	1.28	1.17	− 9	−51	−33	−16	+18	− 3	+18	−22	+ 2	−32		6	3.05
76794	15 40 45.62	+26 55 27.2	9.55	H	235.190 075 50	+26.924 208 81		3.97	14.67	−13.17	0.92	0.97	1.50	0.99	1.20	−11	−13	+ 8	+37	+ 1	−18	−10	−10	+ 3	−37		1	1.82
76795	15 40 46.80	−52 28 24.4	8.37	G	235.194 980 87	−52.473 432 19		−0.19	− 4.63	− 0.84	0.94	0.81	1.16	1.12	1.10	+16	− 8	−15	+37	+23	− 1	+23	+37	+16	+13		0	1.79
76796	15 40 46.92	+16 35 42.3	9.17	H	235.195 507 05	+16.595 088 84		1.67	−12.44	5.72	1.10	1.11	1.39	1.09	1.32	−30	− 4	+ 3	−29	−41	+17	−39	+26	−19	−46		0	1.05
76797	15 40 47.23	−35 25 38.9	7.58	H	235.196 772 19	−35.427 470 19

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data										Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″		σ_ρ ″		ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64		65		66	67	68-70
76701	9.468	0.019	8.697	0.016		0.686	0.019	T	0.74	0.02	L	8.7666	0.0018	0.014	69		8.74	8.80					1								
76702	10.226	0.035	9.470	0.028		0.675	0.034	T	0.73	0.03	L	9.5025	0.0027	0.023	76		9.46	9.54		C			1								
76703	9.831	0.035	8.508	0.020		1.123	0.032	T	1.09	0.03	L	8.5428	0.0014	0.015	68		8.51	8.57		D			1								
76704	9.163	0.013	8.301	0.010		0.771	0.012	T	0.81	0.01	L	8.3569	0.0017	0.015	127		8.34	8.39					1								S
76705	5.913	0.003	4.771	0.003		0.964	0.047	G	0.97	0.02	A	4.8251	0.0006	0.005	70		4.82	4.84					1								S
76706	9.517	0.020	8.903	0.018		0.569	0.020	T	0.64	0.02	L	8.9670	0.0030	0.016	67		8.94	9.00					1								
76707	10.661	0.059	10.261	0.068		0.391	0.072	G	0.46	0.08	R	10.2899	0.0028	0.025	59		10.24	10.33		C			1								
76708	9.119	0.018	7.712	0.010		1.189	0.016	T	1.15	0.01	L	7.7566	0.0015	0.009	67		7.74	7.77		C			1								S
76709	9.525	0.016	7.716	0.007		1.506	0.014	T	1.54	0.02	L	7.6901	0.0012	0.013	121		7.66	7.71					1								S
76710	9.082	0.019	8.457	0.017		0.581	0.022	T	0.65	0.02	L	8.5286	0.0018	0.013	58		8.51	8.55		C			1								S
76711	9.168	0.015	8.481	0.013		0.627	0.015	G	0.69	0.01	H	8.5666	0.0018	0.015	108		8.54	8.59		C			1								
76712	9.303	0.033	8.865	0.034		0.427	0.038	T	0.49	0.04	L	8.9394	0.0021	0.015	73		8.91	8.97		C			1								
76713	10.759	0.040	9.597	0.023		0.922	0.002	G	0.97	0.00	I	9.6222	0.0020	0.024	136		9.57	9.66					1								G
76714	7.313	0.010	6.872	0.007	*	0.430	0.010	T	0.50	0.01	L	*	6.9794	0.0012	0.008	70	*	6.97	6.99		D	15399−1946	I 1	2 C	A	BA	43	1.816	0.002	0.05	0.01	S
76715	12.073	0.198	10.828	0.107		0.842	0.020	G	0.88	0.02	R		11.0375	0.0070	0.060	46		10.87	11.09					1								G
76716	6.525	0.004	5.996	0.004		0.505	0.004	T	0.58	0.00	L		6.0568	0.0006	0.007	80		6.05	6.07		C			1								S
76717	9.916	0.028	9.404	0.028		0.554	0.015	G	0.63	0.01	H		9.4266	0.0020	0.016	88		9.40	9.46		C			1	S							
76718	10.388	0.033	9.157	0.020		1.051	0.030	T	1.02	0.03	L		9.2434	0.0028	0.018	101		9.22	9.28					1								
76719	10.720	0.047	10.099	0.043		0.578	0.056	T	0.65	0.05	L		10.1318	0.0045	0.033	96		10.08	10.20					1								G
76720	8.497	0.009	8.032	0.009		0.425	0.015	G	0.49	0.02	H		8.1005	0.0012	0.014	129		8.08	8.13					1								S
76721	10.178	0.026	9.672	0.026		0.476	0.033	T	0.55	0.04	L		9.7873	0.0018	0.022	119		9.73	9.82					1								
76722	10.804	0.049	8.847	0.017		1.620	0.005	G	1.59	0.01	J		8.7477	0.0026	0.018	83		8.71	8.78					1								
76723	8.284	0.009	8.322	0.011		−0.032	0.012	T	−0.01	0.01	L		8.3245	0.0012	0.019	148		8.30	8.35					1								
76724	9.182	0.016	7.926	0.010		1.071	0.015	T	1.04	0.01	L		7.9875	0.0017	0.015	69		7.97	8.02		C			1								S
76725	9.595	0.016	7.743	0.007		1.540	0.014	T	1.59	0.03	L		7.6939	0.0015	0.014	139		7.67	7.72					1								S
76726	11.188	0.077	10.293	0.055		0.781	0.073	T	0.82	0.05	L		10.3373	0.0023	0.022	76		10.29	10.36		D			1								G
76727	10.562	0.037	9.973	0.034		0.551	0.037	T	0.62	0.03	L		9.9944	0.0031	0.029	117		9.94	10.04		C			1								G
76728	9.393	0.027	9.258	0.033		0.226	0.015	G	0.25	0.02	H		9.2377	0.0032	0.019	58		9.22	9.27		C			1								
76729	10.300	0.040	9.722	0.037		0.515	0.015	G	0.59	0.02	H		9.7985	0.0026	0.020	69		9.77	9.84		C			1								
76730	9.055	0.017	7.544	0.009		1.271	0.015	T	1.23	0.02	L		7.5788	0.0010	0.010	93		7.56	7.60		C			1								S
76731	8.661	0.012	8.605	0.015		0.038	0.015	G	0.05	0.01	H		8.6316	0.0022	0.018	74		8.60	8.66		C			1								
76732	9.282	0.017	8.373	0.013		0.792	0.017	T	0.82	0.01	L		8.4041	0.0023	0.018	96		8.38	8.44					1								
76733	7.449	0.007	6.331	0.005		0.968	0.004	G	0.93	0.03	C		6.3774	0.0011	0.010	74		6.36	6.39			15402+1203	I 1	1	S							S
76734	8.399	0.011	6.803	0.006		1.337	0.010	T	1.30	0.01	L		6.7798	0.0013	0.012	83		6.76	6.80					1 O								S
76735	9.744	0.023	9.294	0.025		0.424	0.031	T	0.49	0.03	L		9.3287	0.0022	0.014	63		9.31	9.35		C			1								
76736	6.531	0.003	6.433	0.003		0.077	0.005	G	0.05	0.02	A		6.4671	0.0005	0.008	182		6.45	6.48					1								S
76737	10.441	0.036	8.639	0.015		1.500	0.031	T	1.53	0.05	L		8.6098	0.0025	0.019	92		8.59	8.64					1								
76738	10.567	0.043	9.030	0.020		1.291	0.037	T	1.25	0.04	L		9.0532	0.0023	0.016	75		9.00	9.07		C			1								
76739	8.208	0.013	6.501	0.006		1.418	0.006	G	1.40	0.01	H		6.4903	0.0010	0.006	74		6.48	6.51					1								S
76740	10.428	0.032	9.106	0.018		1.122	0.029	T	1.08	0.03	L		9.1790	0.0026	0.021	106		9.14	9.21					1								
76741	10.546	0.032	9.287	0.018		1.073	0.029	T	1.04	0.02	L		9.3277	0.0022	0.021	134		9.29	9.36		C			1								
76742	6.686	0.006	5.105	0.003		1.302	0.056	G	1.25	0.02	A		5.1247	0.0005	0.005	74		5.12	5.13		C			1								S
76743	10.661	0.056	10.048	0.052	A	0.600	0.495	G	0.56	0.07	B	*	9.7375	0.0023	0.023	69	*	9.70	9.78		R	15403−1432	I 1	2 C	A	AB	310	1.578	0.012	0.23	0.03	
76744	9.116	0.010	7.934	0.007		1.013	0.010	T	0.99	0.01	L		7.9898	0.0012	0.014	174		7.96	8.02					1								S
76745	8.066	0.008	7.587	0.009		0.451	0.011	T	0.52	0.01	L		7.6418	0.0014	0.011	115		7.62	7.66					1								S
76746	8.572	0.011	8.475	0.014		0.095	0.017	T	0.11	0.02	L		8.5115	0.0024	0.017	78		8.48	8.54		C			1								
76747	10.691	0.032	9.639	0.021		0.903	0.030	T	0.95	0.03	L		9.6698	0.0025	0.034	176		9.61	9.73					1								
76748	8.319	0.010	7.820	0.008		0.493	0.015	G	0.57	0.02	H		7.8817	0.0012	0.011	117		7.86	7.92					1								S
76749	9.193	0.016	8.834	0.016		0.349	0.020	T	0.41	0.03	L		8.8655	0.0019	0.017	86		8.83	8.90		C			1								
76750	5.581	0.002	5.637	0.002		−0.040	0.000	G	−0.02	0.00	H		5.6380	0.0005	0.006	172		5.63	5.65			15404−7327	I 1	1								S
76751	8.959	0.019	8.194	0.016		0.700	0.015	G	0.76	0.01	H		8.2484	0.0017	0.016	72		8.23	8.27					1								S
76752	7.539	0.005	7.196	0.006		0.325	0.007	T	0.38	0.01	L		7.2409	0.0014	0.012	125		7.22	7.27					1 O								S
76753	9.929	0.030	8.389	0.015		1.293	0.026	T	1.25	0.03	L		8.2853	0.0024	0.019	75		8.26	8.32					1								
76754	8.931	0.016	8.625	0.017		0.290	0.015	G	0.33	0.02	H		8.7096	0.0015	0.010	75		8.69	8.73					1								
76755	9.800	0.021	9.074	0.018		0.652	0.021	T	0.72	0.02	L		9.1632	0.0020	0.024	214		9.12	9.21					1	S							
76756	10.757	0.052	10.540	0.071		−0.007	0.004	G	0.01	0.00	H		10.7652	0.0051	0.042	94		10.71	10.85		C			1								G
76757	9.428	0.016	8.776	0.014		0.605	0.018	T	0.67	0.02	L		8.8227	0.0018	0.015	109		8.80	8.86					1								S
76758	10.826	0.065	9.797	0.041		0.879	0.005	G	0.92	0.01	H		9.8370	0.0029	0.025	81		9.81	9.88		C			1								
76759	10.147	0.035	9.617	0.033		0.497	0.043	T	0.57	0.04	L		9.7205	0.0032	0.024	75		9.68	9.76		C			1								
76760	8.057	0.010	8.056	0.012		0.006	0.014	T	0.03	0.01	L		8.0589	0.0021	0.013	85		8.04	8.08		C			1								S
76761	9.561	0.020	8.515	0.014	*	0.909	0.018	T	0.91	0.01	L	*	8.5442	0.0021	0.017	95	*	8.52	8.58		D	15404+2123	I 1	2 C	A	AB	135	0.695	0.012	2.03	0.05	
76762	6.889	0.005	6.971	0.007		−0.072	0.001	G	−0.05	0.00	H		6.9647	0.0017	0.015	88		6.93	6.99		U 2			1								S
76763	9.482	0.020	8.204	0.013		1.120	0.001	G	1.15	0.02	A		8.2242	0.0021	0.012	79		8.21	8.25		C			1								
76764	8.882	0.011	7.076	0.005		1.503	0.010	T	1.53	0.01	L		7.0358	0.0013	0.013	133		7.02	7.06		U 2			1								S
76765	10.540	0.050	10.177	0.056		0.413	0.015	G	0.48	0.02	H		10.0945	0.0066	0.040	73		10.01	10.16		U			1								
76766	10.680	0.038	9.191	0.018		1.253	0.033	T	1.21	0.03	L		9.1948	0.0019	0.021	122		9.16	9.23		C			1								
76767	7.844	0.007	7.910	0.011		−0.056	0.012	T	−0.03	0.01	L		7.9037	0.0019	0.016	146		7.87	7.94		U			1								S
76768	11.847	0.177	10.268	0.067	*	1.238	0.007	G	1.40	0.01	I	*	10.2828	0.0073	0.046	61	*	10.22	10.37		R	15405−1842	H 1	2 C	A	AB	66	0.867	0.017	1.28	0.06	G
76769	7.916	0.009	7.662	0.012	*	0.242	0.014	T	0.27	0.02	L	*	7.6601	0.0022	0.012	76	*	7.64	7.69		D	15405+1840	I 1	2 C	A	BA	2	0.688	0.003	0.05	0.01	S
76770	8.080	0.007	8.022	0.009	*	0.052	0.010	T	0.06	0.01	L	*	7.9999	0.0014	0.014	127	*	7.98	8.03		D	15405−6350	I 1	2 C	A	AB	259	0.537	0.003	0.77	0.02	S
76771	10.565	0.046	9.234	0.025		1.129	0.041	T	1.09	0.04	L		9.2823	0.0024	0.020	73		9.25	9.31		C			1								
76772	10.311	0.036	9.562	0.031		0.646	0.015	G	0.71	0.01	H		9.6306	0.0020	0.020	93		9.59	9.68		C			1								
76773	7.176	0.005	7.168	0.007		0.012	0.008	T	0.03	0.01	L		7.1760	0.0009	0.010	139		7.16	7.20		C			1								S
76774	9.483	0.023	9.139	0.025		0.326	0.032	T	0.38	0.04	L		9.1658	0.0026	0.016	69		9.14	9.21					1								
76775	10.386	0.036	9.444	0.025		0.817	0.034	T	0.84	0.02	L		9.4486	0.0036	0.019	81		9.41	9.48		C			1								
76776	8.350	0.010	8.096	0.011		0.233	0.015	G	0.26	0.02	H		8.1524	0.0014	0.014	104		8.13	8.18		C			1								S
76777	9.612	0.015	8.716	0.012	*	0.797	0.014	T	0.83	0.01	L	*	8.7668	0.0019	0.020	172	*	8.74	8.80		D	15406+3128	I 1	2 C	A	AB	346	0.243	0.007	1.07	0.15	S
76778	8.330	0.010	8.357	0.013		−0.015	0.029	G	0.01	0.03	H		8.3650	0.0018	0.014	103		8.34	8.39					1								
76779	10.679	0.058	9.082	0.025		1.296	0.004	G	1.49	0.01	I		9.0192	0.0021	0.016	65		8.99	9.04		C			1								
76780	8.930	0.017	8.434	0.016		0.490	0.015	G	0.56	0.02	H		8.4974	0.0026	0.014	62		8.47	8.51					1								S
76781	11.104	0.075	9.847	0.040		1.071	0.066	T	1.04	0.05	L		9.8807	0.0033	0.029	76		9.80	9.93					1								
76782	8.411	0.010	8.004	0.010		0.408	0.015	G	0.47	0.02	H		8.0533	0.0010	0.009	85		8.04	8.08					1								S
76783	10.979	0.050	9.582	0.024		1.181	0.043	T	1.14	0.04	L		9.6654	0.0035	0.023	103		9.60	9.70		U			1								
76784	10.526	0.039	9.739	0.032		0.767	0.015	G	0.81	0.01	H		9.8034	0.0028	0.026	79		9.75	9.84		C			1								
76785	10.046	0.030	9.487	0.028		0.523	0.037	T	0.60	0.04	L		9.5315	0.0028	0.019	68		9.51	9.57		C			1								
76786	10.183	0.029	9.494	0.026		0.650	0.015	G	0.71	0.01	H		9.5735	0.0021	0.017	114		9.54	9.60		C			1								
76787	9.023	0.016	8.634	0.016		0.380	0.019	T	0.44	0.02	L		8.6521	0.0016	0.012	74		8.63	8.68		C			1								
76788	9.314	0.014	8.595	0.012		0.661	0.015	T	0.72	0.01	L		8.6838	0.0013	0.014	114		8.66	8.71		C			1								S
76789	10.520	0.049	9.218	0.027		1.107	0.044	T	1.07	0.05	L		9.2394	0.0026	0.023	80		9.20	9.27					1	S							
76790	9.586	0.020	8.109	0.011		1.244	0.018	T	1.20	0.02	L		8.1467	0.0013	0.009	81		8.13	8.16		C			1								
76791	9.814	0.018	7.940	0.008		1.557	0.016	T	1.57	0.02	L		7.8927	0.0015	0.017	140		7.87	7.92					1								
76792	9.077	0.010	7.654	0.006		1.201	0.009	T	1.16	0.01	L		7.6887	0.0015	0.015	213		7.66	7.71					1								S
76793	10.126	0.030	8.978	0.020		0.973	0.003	G	1.02	0.00	I		8.9721	0.0025	0.021	71		8.94	9.00		C			1								
76794	10.896	0.045	9.645	0.025		1.067	0.040	T	1.03	0.03	L		9.7157	0.0020	0.027	127		9.67	9.76		D			1								
76795	9.757	0.028	8.489	0.017		1.170	0.015	G	1.13	0.01	I		8.5297	0.0021	0.014	81		8.50	8.56		C			1								
76796	10.687	0.043	9.298	0.021		1.175	0.038	T	1.14	0.03	L		9.3386	0.0018	0.022	116		9.29	9.38					1								
76797	7.914	0.007	7.607	0.006		0.293	0.010	T	0.33	0.01	L		7.6583	0.0012	0.012	126		7.64	7.68		C			1								S
76798	9.928	0.024	8.587	0.014		1.137	0.022	T	1.10	0.02	L		8.6339	0.0019	0.016	93		8.59	8.66					1								
76799	7.087	0.006	6.896	0.008		0.183	0.009	T	0.20	0.01	L		6.9403	0.0012	0.007	88		6.93	6.96		C			1								S
76800	10.286	0.026	8.958	0.015		1.127	0.023	T	1.09	0.02	L		9.0042	0.0014	0.022	134		8.97	9.04					1								

Number HIP 1 2	Descriptor: epoch J1991.25 RA h m s 3	Dec ±° ′ ″ 4	V mag 5	6 7	Position: epoch J1991.25 α (ICRS) deg 8	δ deg 9	10	Par. π mas 11	Proper Motion $\mu_{\alpha*}$ mas/yr 12	μ_δ 13	Standard Errors α* mas 14	δ 15	π mas 16	$\mu_{\alpha*}$ mas/yr 17	μ_δ 18	Astrometric Correlations (%) 19	20	21	22	23	24	25	26	27	28	Soln F1 % 29	F2 30
76801	15 40 51.82	−29 24 03.3	9.21	H	235.215 910 07	−29.400 927 79		6.72	41.80	2.00	1.31	0.84	1.42	1.54	1.26	− 6	−24	− 1	− 2	−17	+ 0	−16	+13	−18	− 2	0	0.42
76802	15 40 54.93	+40 56 46.6	8.55	H	235.228 878 19	+40.946 264 63		7.78	−2.73	33.25	0.65	0.72	0.84	0.72	0.86	+ 4	− 5	− 6	−11	− 8	+ 9	− 1	+21	− 9	−20	0	−1.68
76803	15 40 55.20	−33 08 45.0	8.31	H	235.230 004 24	−33.145 842 53		3.35	−7.22	−12.90	1.18	0.82	1.39	1.25	1.13	−16	−27	−28	−26	+11	− 9	+ 7	−17	+ 3	−28	0	1.06
76804	15 40 55.37	−08 59 53.7	7.96	G	235.230 706 31	−08.998 242 74		17.93	−19.20	−132.36	0.94	0.58	0.95	1.36	0.92	+ 4	−17	− 1	− 5	−17	− 8	−16	+ 9	−23	+24	0	0.69
76805	15 40 56.44	−63 11 40.5	7.49	G	235.235 173 64	−63.194 587 67		0.71	−1.68	−7.90	0.45	0.54	0.82	0.56	0.69	+ 2	−21	−29	+ 3	+13	−23	+12	+14	− 8	−20	0	−1.11
76806	15 40 56.96	+28 30 45.4	10.31	H	235.237 330 46	+28.512 621 42		3.78	−39.61	4.62	1.66	2.20	3.75	1.89	2.28	+33	−10	+10	− 9	−13	−18	−10	−15	− 9	+16	0	
76807	15 40 57.23	−61 08 27.7	7.89	2 H	235.238 459 69	−61.141 038 11		0.64	−10.27	−13.72	0.77	0.74	1.14	0.97	1.03	+16	−17	− 3	+54	+42	−34	+46	+30	− 9	+ 7	0	0.81
76808	15 40 57.29	−42 49 32.1	8.71	H	235.238 727 07	−42.825 590 48		1.86	−10.18	−15.05	0.96	0.80	1.22	1.22	1.10	−15	−12	−15	+10	− 1	− 4	− 4	+39	+ 5	−12	0	−0.56
76809	15 40 58.26	−47 44 09.6	6.21	H	235.242 749 92	−47.735 987 09		3.69	−36.22	−42.71	0.63	0.54	0.77	0.71	0.76	−20	−30	− 8	+11	−10	− 2	− 4	+33	− 9	−33	0	1.41
76810	15 40 59.09	+16 01 28.7	6.00	H	235.246 197 23	+16.024 629 00		7.24	22.16	−16.80	0.61	0.62	0.79	0.71	0.85	−31	−16	−19	+ 5	−41	−59	−36	+37	−15	−51	0	−0.65
76811 H	15 40 59.52	−71 44 41.2	7.59	H	235.247 987 87	−71.744 768 32	A	1.32	−3.91	−7.17	0.70	0.85	1.02	0.64	0.93	+16	−19	+ 2	+14	+ 8	−12	+ 7	+33	−11	+23	1	0.40
76812	15 40 59.96	−24 19 19.8	9.55	H	235.249 851 00	−24.322 174 55		6.23	32.02	−24.11	1.63	0.82	1.84	2.16	1.43	− 8	−25	−17	+ 0	+12	+10	+13	− 1	+16	− 1	0	0.14
76813	15 41 00.33	−08 44 30.9	7.88	H	235.251 363 56	−08.741 924 12		6.00	−10.06	−0.45	0.97	0.58	1.01	1.34	0.88	+ 1	−27	−10	+10	− 3	+ 5	+ 2	+15	−15	+16	0	1.16
76814	15 41 00.85	+38 16 53.1	8.23	G	235.253 557 09	+38.281 406 96		13.52	−55.61	32.88	0.57	0.60	0.74	0.60	0.65	+17	− 8	+ 4	+ 4	+ 9	+ 2	+10	+14	− 4	+10	0	1.21
76815	15 41 01.68	+05 30 52.0	8.28	H	235.256 982 50	+05.514 445 50		8.33	−11.17	5.53	1.02	0.74	1.11	1.20	1.05	−19	−29	− 8	+43	− 7	+ 2	− 7	+22	+ 3	−27	0	1.28
*76816 H	15 41 01.94	−14 49 23.7	8.87	H	235.258 085 29	−14.823 238 21	A	13.16	−29.41	−5.12	3.11	1.62	2.70	4.34	2.40	− 7	−17	−20	+34	+ 8	+13	+11	+14	+13	+ 6	8	1.26
*76817	15 41 01.79	+20 20 04.0	9.48	H	235.257 450 87	+20.334 443 05		8.76	−28.52	16.31	1.04	1.04	1.43	1.46	1.16	−29	−17	− 3	−41	−22	+10	−15	−12	+17	−25	1	0.72
76818	15 41 01.97	+02 52 54.5	9.87	H	235.258 190 86	+02.881 793 35		5.48	−22.72	−27.30	1.44	1.00	1.64	1.87	1.57	−20	−25	− 1	+18	+12	+16	+20	−17	−13	−17	0	0.56
76819	15 41 04.20	+40 45 44.0	8.74	2 G	235.267 489 86	+40.762 208 64		1.74	−7.99	12.11	0.60	0.66	0.81	0.74	0.81	+ 1	+ 2	+ 1	+ 6	+ 0	−20	+ 3	+18	− 7	−20	0	−0.71
76820	15 41 04.44	+09 18 09.0	7.39	H	235.268 504 62	+09.302 497 34		6.50	−19.19	−1.72	0.93	0.64	0.99	1.28	0.87	+10	−27	−16	+40	+ 2	− 8	+ 2	+16	+ 0	+12	0	0.49
76821	15 41 05.00	−41 50 00.9	9.24	H	235.270 839 74	−41.833 578 08		9.41	2.21	−90.47	0.92	0.74	1.14	0.97	1.00	−23	−30	− 9	+18	− 8	− 7	− 2	+37	− 8	−37	0	−0.33
76822	15 41 05.24	+23 21 06.7	9.43	2 H	235.271 819 01	+23.351 861 84		1.57	−4.83	−4.88	0.77	0.89	1.45	0.95	1.13	− 9	+13	− 8	+45	− 9	+13	− 9	+16	−14	− 8	1	0.52
76823 H	15 41 06.16	−47 51 44.0	8.85	H	235.275 659 79	−47.862 216 44	A	4.32	−10.67	3.70	1.50	1.22	1.70	1.65	1.60	− 8	−19	−12	+20	+ 3	− 7	+11	+28	−29	+ 7	1	0.43
76824 H	15 41 06.90	−39 58 57.6	6.51	G	235.278 768 05	−39.982 664 06	A	9.77	16.08	−51.31	1.25	1.02	1.34	1.44	1.23	−29	− 1	− 2	+21	+10	+ 9	+ 0	+36	−12	+19	3	0.79
76825	15 41 07.31	+24 03 31.2	10.80	H	235.280 464 28	+24.058 656 86		1.09	−34.77	4.74	1.36	1.28	2.21	1.68	1.51	+13	−12	+ 5	+16	−38	+ 0	−34	+ 1	+ 2	+24	5	0.04
76826	15 41 08.73	−32 39 10.5	8.68	H	235.286 371 86	−32.652 919 52		3.65	−1.23	2.51	1.12	0.82	1.44	1.21	1.08	− 9	−25	−42	− 6	+ 4	+ 0	+ 3	− 3	+10	−24	0	1.12
76827	15 41 09.18	+42 25 12.0	10.98	H	235.288 263 97	+42.420 002 31		4.44	3.82	−11.04	1.19	1.39	1.56	1.31	1.67	+ 3	−11	+11	− 9	+ 9	+10	−11	+ 6	+ 0	+ 2	0	−1.38
76828	15 41 10.06	−11 52 08.2	8.59	2 H	235.291 917 37	−11.868 951 85		1.47	−6.63	1.38	1.19	0.72	1.32	1.32	1.20	−18	−46	−14	+32	−18	−11	−21	+32	+ 9	−50	0	2.10
76829	15 41 11.52	−44 39 38.0	4.64	H	235.297 982 26	−44.660 559 26		57.09	−168.70	−265.69	0.56	0.50	0.72	0.60	0.67	−26	−29	−23	+ 9	−22	−13	−12	+42	− 5	−59	0	0.32
76830	15 41 13.66	+59 20 52.1	8.71	H	235.306 909 13	+59.347 816 25		3.13	11.22	−20.63	0.64	0.66	0.74	0.63	0.73	− 8	+ 3	−13	−10	−18	+ 0	−17	+ 4	− 7	−37	0	−0.54
76831	15 41 14.15	+50 12 13.8	8.76	H	235.308 949 90	+50.203 841 05		4.09	11.41	2.04	0.68	0.72	0.80	0.86	0.90	− 9	+10	−14	+10	− 5	+ 9	− 4	+ 5	+ 0	−23	0	−1.37
*76832	15 41 14.70	+75 59 40.7	12.22	2 G	235.311 247 81	+75.994 635 59		76.57	777.67	−759.83	1.99	2.13	2.27	1.93	2.39	+ 9	−11	−23	−36	+ 8	− 7	+ 9	− 7	−16	+11	0	1.98
*76833	15 41 14.52	+66 23 08.9	8.75	H	235.310 509 36	+66.385 809 34		3.03	−7.93	22.41	0.64	0.65	0.69	0.67	0.74	+ 4	− 6	− 7	−21	− 2	−14	− 5	+15	− 8	+10	0	−0.43
76834	15 41 15.75	−24 23 55.5	8.03	G	235.315 608 84	−24.398 736 59		12.18	37.34	9.31	1.03	0.57	1.21	1.23	0.97	−11	−38	−19	+ 1	+ 7	+ 7	+ 6	+ 0	+14	−23	0	0.37
76835 H	15 41 15.88	+03 50 07.7	10.10	H	235.316 163 80	+03.835 472 51	A	6.86	−3.09	−32.42	2.43	1.62	2.46	2.63	2.15	+ 9	−33	−23	+ 8	−10	+16	+ 2	+10	−24	−17	0	0.67
76836	15 41 15.97	−13 58 13.1	6.87	H	235.316 551 05	−13.970 302 97		6.23	−0.59	−5.17	0.82	0.51	0.86	0.97	0.73	−12	−25	+ 5	+39	+ 4	+26	+ 6	+32	− 3	−15	0	−1.03
76837 H	15 41 16.67	+59 59 15.8	8.50	H	235.319 455 37	+59.987 722 28	A	18.07	−228.57	150.66	2.04	2.33	1.93	1.46	1.80	−10	− 8	−13	− 6	−16	− 6	−13	+15	− 3	−38	7	3.07
76838	15 41 17.65	−47 46 02.1	9.37	H	235.323 562 34	−47.767 250 36		0.85	−6.80	−8.82	1.10	0.85	1.33	1.25	1.23	− 2	−31	−14	+13	− 4	− 5	+ 0	+33	−11	−11	0	0.33
76839	15 41 19.90	+19 08 59.7	8.82	H	235.332 916 73	+19.149 903 27		4.48	−6.02	2.51	0.87	0.80	1.10	1.06	1.11	−14	−21	−10	+ 7	−13	+ 4	−18	+ 4	+18	−43	2	0.18
76840	15 41 20.75	−31 39 23.6	8.49	H	235.336 476 46	−31.656 557 25		2.85	−19.17	−38.34	1.05	0.76	1.26	1.23	0.99	−10	−25	−31	+16	− 7	+18	+ 3	+26	− 7	−26	0	0.91
76841 H	15 41 23.33	−58 46 30.3	8.48	H	235.347 226 81	−58.775 070 51	A	3.09	−7.69	−4.20	2.11	2.10	2.35	2.39	2.79	−12	−17	−35	+16	−18	− 7	−17	+30	−16	−48	1	1.02
76842	15 41 24.62	−02 38 05.5	8.17	H	235.352 599 76	−02.634 871 17		5.63	−35.99	−17.32	1.05	0.70	1.14	1.15	0.90	−11	−26	−12	+42	+ 7	+ 9	+15	+11	− 6	− 7	2	1.79
76843	15 41 25.50	−65 04 05.1	6.98	H	235.356 267 17	−65.068 085 97		13.43	−14.12	−26.06	0.45	0.51	0.71	0.50	0.61	−15	−20	− 2	− 8	+ 8	−16	+13	+ 7	−14	−24	1	1.66
76844	15 41 26.21	+38 33 26.9	7.64	2 H	235.359 224 31	+38.557 466 52		3.67	19.76	−32.01	0.54	0.61	0.73	0.57	0.68	+ 4	− 8	+ 3	− 4	+ 6	+ 8	+ 8	+16	− 6	− 4	1	−1.77
76845 H	15 41 27.04	−47 03 11.6	9.26	H	235.362 660 49	−47.053 217 70	*	2.85	13.69	−0.06	1.10	0.90	1.39	1.47	1.30	− 9	−19	+ 7	+24	+13	+11	+10	+33	+ 1	+22	0	0.85
76846 H	15 41 27.59	−58 45 49.0	8.65	H	235.364 977 79	−58.763 620 39	A	2.44	−10.20	3.04	4.09	2.70	2.27	2.52	2.93	−17	−21	+ 0	+23	−40	−44	−25	+52	+29	−61	2	0.04
76847	15 41 28.73	+41 38 02.8	8.19	H	235.369 707 54	+41.634 104 34		3.48	5.31	−10.75	0.59	0.71	0.79	0.70	0.89	+17	+ 6	− 5	− 3	− 6	− 3	− 6	+ 3	+ 2	+11	0	0.40
76848	15 41 28.81	+22 19 27.2	8.37	H	235.370 049 34	+22.324 233 53		4.06	7.12	−10.91	0.69	0.87	1.25	0.85	1.04	−36	− 7	−23	+28	+10	−15	− 1	−31	+27	−49	0	−0.24
76849	15 41 30.64	−53 23 28.5	6.92	H	235.377 678 10	−53.391 252 04		1.22	−6.76	−10.75	0.68	0.57	0.93	0.72	0.72	− 3	−32	−27	+ 6	+14	−27	+10	+10	− 9	− 3	0	−1.98
76850	15 41 30.79	+52 07 47.0	9.17	1 H	235.378 273 63	+52.129 717 57		1.76	7.28	−10.22	0.71	0.80	0.85	0.87	1.08	+ 4	− 5	−19	+15	+11	+ 2	+15	− 5	+ 9	+19	0	−0.37
76851	15 41 33.06	−29 17 58.2	7.29	2 H	235.387 769 33	−29.299 508 54		3.20	16.00	−5.79	0.87	0.55	0.93	1.04	0.77	− 3	−21	− 5	+ 2	−11	+ 3	−11	+13	−16	+14	0	−0.66
76852 H	15 41 33.09	+19 40 13.8	4.51	H	235.387 884 63	+19.670 505 66	*	16.97	−59.86	−43.23	1.17	1.14	0.77	0.97	0.94	−35	− 7	− 2	−30	−17	− 1	−13	−19	+25	− 9	2	1.45
76853	15 41 33.58	+46 43 05.8	8.63	H	235.389 904 64	+46.718 274 55		10.93	2.78	9.14	0.71	0.69	0.81	0.80	0.81	+11	− 1	−15	−21	− 9	+ 7	− 7	− 1	− 7	+ 1	0	−2.38
76854	15 41 33.93	−48 41 27.4	10.22	H	235.391 388 61	−48.690 933 29		10.65	−3.70	21.37	1.58	1.17	1.87	1.54	1.41	+ 4	−35	−16	+ 4	+ 8	− 8	+ 8	+13	+ 0	− 1	0	0.43
76855	15 41 36.25	+27 59 43.1	8.40	1 H	235.401 060 53	+27.995 314 92		4.05	−9.97	9.18	0.59	0.73	1.22	0.65	0.81	+34	− 1	+13	+10	+ 3	−18	+10	− 5	− 9	+14	2	1.10
76856	15 41 36.85	−36 25 09.1	9.65	H	235.403 550 81	−36.419 185 53		7.38	−64.89	−55.04	1.16	0.82	1.32	1.24	1.22	− 9	−35	−16	+11	−11	− 3	− 6	+26	− 1	−39	2	−0.17
76857	15 41 40.37	−15 33 33.6	8.86	H	235.418 206 46	−15.559 342 36		3.39	−20.73	−13.81	1.22	0.79	1.39	1.44	1.03	−18	− 7	−22	+17	+ 7	+18	+13	+ 1	+ 6	−17	0	1.73
76858	15 41 40.83	−46 52 45.6	8.42	H	235.420 122 35	−46.879 321 74		2.87	−7.92	−6.27	0.87	0.71	1.13	0.85	0.87	−13	−30	− 7	+ 6	+ 1	−14	+ 1	+15	− 3	−13	0	0.01
76859	15 41 41.92	+35 59 54.5	9.16	H	235.424 657 24	+35.998 463 13		5.36	−10.69	32.03	0.74	0.81	1.02	0.84	0.97	+14	− 4	− 8	− 9	+ 4	−18	+ 6	+ 9	− 2	− 3	1	−0.07
76860	15 41 42.67	−56 06 00.3	8.87	H	235.427 811 86	−56.100 083 49		1.19	−4.96	−1.53	0.82	0.75	1.06	1.14	1.05	+ 3	+12	− 1	−13	− 7	−24	−16	+16	−19	+30	0	0.17
76861	15 41 43.64	+05 06 40.4	9.79	H	235.431 840 12	+05.111 209 65		7.67	−35.48	−7.47	1.40	1.08	1.68	1.61	1.40	−24	−35	−13	+22	− 9	+ 3	− 3	+17	−13	−24	0	1.38
76862 H	15 41 44.71	−31 50 49.5	8.34	G	235.436 307 43	−31.847 073 72	A	10.58	2.16	−12.28	2.63	1.95	2.60	2.66	2.44	− 2	−27	−13	+11	−10	+13	− 4	+22	− 3	−47	1	0.80
76863	15 41 45.19	−68 01 08.0	9.42	H	235.438 308 22	−68.018 881 77		6.26	−36.47	−26.96	0.64	0.99	1.37	0.76	1.16	+40	−22	−16	+ 3	+ 6	− 1	+ 4	+21	− 6	+50	0	1.69
76864	15 41 45.32	−33 58 14.1	11.04	G	235.438 820 78	−33.970 582 44		11.85	−172.70	−167.86	4.05	2.92	4.55	5.12	3.70	−19	− 9	−19	−14	+16	−11	+16	−17	− 7	+10	0	
76865	15 41 45.40	−06 26 39.8	7.30	H	235.439 161 87	−06.444 390 55		4.83	−2.49	−0.76	0.82	0.52	0.99	0.89	0.74	−42	−40	+ 8	+15	−16	+18	−16	+20	− 1	−31	2	0.90
76866	15 41 47.39	+12 50 51.1	5.34	1 H	235.447 465 56	+12.847 538 69		14.28	39.68	−4.55	0.72	0.59	0.84	0.83	0.83	−21	−38	−12	+13	+19	−28	+ 5	−33	+20	−42	2	0.61
76867	15 41 47.55	+49 26 42.3	8.62	2 H	235.448 132 00	+49.445 070 75		17.00	−78.72	94.15	0.68	0.71	0.81	0.81	0.81	+10	− 3	− 4	− 9	− 2	+ 3	+ 0	+11	+ 0	+ 1	1	0.23
76868	15 41 47.58	−08 38 44.0	8.27	G	235.448 262 88	−08.645 555 64		4.16	−25.81	2.53	1.08	0.65	1.12	1.55	0.99	+ 1	−28	−13	+ 2	−10	− 8	− 8	+13	−17	+23	3	−0.30
76869 H	15 41 48.04	+30 54 05.8	8.84	H	235.450 149 12	+30.901 607 15	*	0.76	3.19	−14.09	0.71	0.82	1.17	0.73	0.90	+31	−14	−11	−17	+ 1	− 5	+ 3	− 7	− 6	+19	0	−0.24
76870	15 41 48.64	+37 02 54.2	7.70	H	235.452 673 21	+37.048 381 38		4.80	−17.46	10.28	0.50	0.59	0.70	0.59	0.68	+ 6	+ 5	− 2	+19	+ 7	− 1	+ 8	+28	− 6	− 9	1	1.23
76871	15 41 48.94	+23 33 29.2	9.80	H	235.453 908 90	+23.558 116 96		4.63	−27.64	9.18	0.99	0.96	1.59	1.19	1.09	− 9	−12	+13	+61	−24	− 9	−20	+33	+ 4	− 2	3	2.58
76872	15 41 49.14	−26 08 57.4	8.98	H	235.454 730 49	−26.149 287 31		−2.17	−1.01	0.08	1.21	0.73	1.44	1.43	1.09	−10	−10	−20	+20	+17	+24	+24	− 7	+25	−13	6	−0.94
76873	15 41 51.91	−70 37 50.4	8.93	H	235.466 299 05	−70.630 678 23		0.94	−2.84	−21.99	0.67	0.91	1.10	0.77	1.06	+36	− 9	−16	+24	+24	− 4	+21	+47	− 3	+44	0	1.06
76874	15 41 53.20	−23 16 19.3	7.92	H	235.471 682 64	−23.272 016 93		7.02	−29.67	−18.77	1.06	0.64	1.14	1.37	1.04	−12	−22	−28	− 7	−31	+18	−35	+31	−15	− 3	0	1.58
76875	15 41 53.23	−34 53 19.6	8.37	G	235.471 806 41	−34.888 790 90		10.36	−23.89	−28.31	0.94	0.68	1.29	1.45	1.10	−31	+ 1	−27	+ 5	+10	−31	+ 1	+21	− 5	−17	0	0.47
76876	15 41 53.57	−12 45 35.7	8.63	H	235.473 228 97	−12.759 928 28		3.16	−2.65	7.81	1.16	0.65	1.24	1.27	1.01	+ 3	−41	−14	+26	+ 1	+10	+ 5	+25	− 4	−18	2	−0.26
76877	15 41 54.70	−76 04 54.7	5.95	H	235.477 931 21	−76.081 864 51		8.65	−8.20	−38.98	0.42	0.48	0.60	0.45	0.60	+10	−36	− 5	−23	− 1	+ 7	− 1	+11	+ 9	+ 2	0	1.23
76878	15 41 54.76	+18 27 50.0	5.80	G	235.478 158 64	+18.463 898 61		18.78	−73.00	56.85	0.62	0.58	0.82	0.73	0.80	−10	−13	−18	−20	−16	+11	−16	− 6	+17	−31	2	−0.34
76879	15 41 56.59	−16 54 53.0	9.57	H	235.485 792 05	−16.914 727 60		7.13	10.23	−15.86	1.33	0.82	1.46	1.34	1.02	−13	−38	−16	− 3	+15	+ 6	+18	− 9	− 1	−17	0	−0.88
76880	15 41 56.82	−19 40 42.9	4.75	1 H	235.486 744 45	−19.678 574 46		8.16	−33.21	−104.33	1.42	0.81	1.29	1.42	1.10	+36	+ 6	−28	−49	−37	− 8	−48	−15	−51	+34	0	0.59
76881	15 41 57.21	−56 36 44.3	10.45	H	235.488 354 59	−56.612 302 78		3.33	1.09	−1.41	1.33	1.18	1.77	1.86	1.64	+ 0	−17	−24	+ 2	+ 7	−18	− 2	+31	−13	+22	0	1.31
76882	15 41 58.29	+42 03 04.7	8.27	H	235.492 891 96	+42.051 313 05		10.24	29.67	5.58	0.62	0.73	0.84	0.72	0.87	+11	+ 1	− 2	−12	−10	+28	− 9	+17	+ 9	+ 6	1	0.74
76883	15 41 58.33	+07 03 51.3	8.48	H	235.493 021 27	+07.064 260 89		3.67	−14.43	−48.77	1.17	0.80	1.27	1.39	1.28	−16	−37	−20	+33	−26	− 6	−31	+25	− 1	−40	3	−0.75
76884	15 41 59.04	−46 43 00.1	8.69	H	235.495 983 82	−46.716 697 88		7.20	−12.79	11.97	0.91	0.71	1.13	0.96	0.95	− 6	−25	+ 0	+10	+ 3	− 1	+ 3	+24	+ 5	− 6	0	0.03
76885	15 41 59.22	+10 34 12.9	8.04	H	235.496 756 61	+10.570 236 18		1.74	−5.63	−10.97	1.06	0.83	1.20	1.30	1.11	+22	−28	−45	+30	+25	−21	+ 8	− 6	+16	−21	0	−0.12
76886	15 41 59.43	+01 54 32.4	9.64	H	235.497 613 64	+01.908 997 38		5.62	−10.15	−20.60	1.48	1.02	1.80	2.09	1.72	−18	−33	−11	+ 7	+ 9	−15	+ 7	−12	+ 4	−16	7	−1.42
76887	15 41 59.58	−11 18 17.7	9.67	G	235.498 235 90	−11.304 925 59		2.72	−14.69	−3.98	1.55	1.01	1.74	1.70	1.51	−24	−38	−15	+24	−20	− 9	−19	+31	− 3	−43	0	1.38
76888	15 41 59.94	−11 08 27.3	9.27	G	235.499 768 24	−11.140 930 07	A	16.92	53.99	−18.63	5.04	3.77	4.19	4.82	4.65	−25	−22	−15	+20	−29	−18	−30	+45	− 7	−45	14	3.18
76889	15 42 00.31	+13 02 15.9	10.27	H	235.501 277 57	+13.037 758 17		3.59	104.56	−162.94	14.51	9.77	18.43	17.07	15.51	−15	−50	− 9	+26	+ 2	−48	−32	−16	+53	−57	3	
*76890	15 42 01.22	−38 13 09.4	10.44	H	235.505 094 75	−38.219 277 40		5.27	16.66	−9.88	1.47	1.09	1.83	2.13	1.65	−21	− 5	−13	+18	+ 2	− 5	− 3	+38	−10	+ 3	0	−0.19
*76891	15 42 01.18	−11 08 13.1	9.41	G	235.504 930 91	−11.136 981 60	B	12.92	54.44	−18.51	10.37	7.05	6.86	8.11	7.85	−23	−25	−10	+14	−24	−17	−25	+35	− 6	−43	14	3.18
76892	15 42 01.39	+00 27 25.5	7.23	H	235.505 797 81	+00.457 075 08		6.61	20.37	−19.32	0.94	0.71	1.13	1.06	1.22	−33	−53	− 3	+31	−20	−16	−23	+32	+18	−63	5	0.18
76893	15 42 01.50	+53 43 43.1	10.38	H	235.506 233 46	+53.728 632 59		3.20	−6.41	4.32	1.14	1.11	1.27	1.46	1.35	+ 3	− 6	−20	+24	+ 3	− 4	+ 0	− 8	+11	− 4	0	0.42
76894	15 42 01.77	−64 10 49.0	6.53	H	235.507 375 97	−64.180 278 55		0.32	−2.07	−3.99	0.43	0.51	0.69	0.53	0.64	− 3	−12	− 2	+ 6	+26	− 1	+24	+14	+ 8	+ 0	0	1.44
76895	15 42 01.95	−15 34 00.2	8.97	H	235.508 126 14	−15.566 713 10		1.87	−11.36	−4.95	1.21	0.76	1.36	1.48	1.13	−16	− 7	−15	+22	+ 3	+15	+ 6	+ 9	+13	−24	0	1.07
76896	15 42 03.60	−50 54 23.9	11.53	G	235.514 986 64	−50.906 648 84		17.13	−143.32	−166.26	3.62	3.16	4.58	4.39	4.42	−17	−17	−26	+ 4	− 4	−10	− 5	+24	− 2	−32	0	
*76897	15 42 04.48	+34 39 04.5	11.69	H	235.518 670 08	+34.651 243 43		24.25	−123.02	−298.22	2.12	2.30	3.02	2.27	2.75	+18	−19	− 1	− 4	+ 5	+13	+ 7	+18	+ 6	+ 6	0	−0.75
*76898	15 42 04.38	−23 02 11.6	8.40	G	235.518 246 28	−23.036 564 15		4.88	15.76	−8.12	1.18	0.68	1.22	1.44	1.13	−11	−25	−23	− 9	−34	+17	−38	+31	−20	− 2	0	0.44
76899	15 42 05.80	+10 58 39.0	8.27	G	235.524 183 73	+10.977

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″		ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65		66	67	68-70
76801	9.834	0.031	9.264	0.028		0.537	0.031	T	0.61	0.03	L	9.3296	0.0028	0.017	61		9.30	9.36					1							
76802	9.387	0.015	8.646	0.013		0.678	0.016	T	0.74	0.01	L	8.6916	0.0018	0.017	123		8.66	8.72		C			1							S
76803	9.986	0.028	8.423	0.014		1.311	0.025	T	1.27	0.03	L	8.4635	0.0015	0.012	67		8.44	8.49		C			1							
76804	8.687	0.012	8.014	0.011		0.623	0.014	T	0.69	0.01	L	8.0862	0.0014	0.012	78		8.07	8.10		C			1							S
76805	7.418	0.005	7.488	0.006		−0.037	0.008	G	−0.01	0.01	H	7.4786	0.0011	0.011	148		7.46	7.50		C			1							S
76806	11.106	0.035	10.378	0.029		0.668	0.036	T	0.73	0.03	L	10.4514	0.0021	0.037	250		10.37	10.51					1 X	S						
76807	10.253	0.029	8.091	0.010		1.827	0.025	T	2.40	0.05	O	7.9267	0.0023	0.021	134		7.89	7.96		U 2			1							
76808	10.052	0.028	8.833	0.017		1.042	0.026	T	1.01	0.02	L	8.8747	0.0022	0.018	93		8.83	8.92					1							
76809	8.374	0.010	6.420	0.005		1.621	0.009	T	1.64	0.01	L	6.3217	0.0012	0.010	104		6.30	6.34			15410−4744	I 1	1	S						S
76810	7.141	0.005	6.094	0.004		0.908	0.003	G	0.89	0.03	C	6.1563	0.0009	0.008	89		6.14	6.17					1							S
76811	7.585	0.006	7.628	0.008	*	−0.035	0.009	T	−0.01	0.01	L *	7.5900	0.0009	0.013	190	*	7.57	7.62		D	15410−7145	H 1	2 C	A	AB	197	1.056	0.007	2.03	0.03	S
76812	10.190	0.035	9.619	0.033		0.534	0.043	T	0.61	0.04	L	9.6664	0.0028	0.021	74		9.63	9.70		C			1							
76813	9.242	0.017	8.005	0.011		1.097	0.015	G	1.06	0.02	K	8.0504	0.0011	0.012	80		8.03	8.07					1							S
76814	8.750	0.010	8.274	0.009		0.433	0.018	G	0.50	0.02	H	8.3398	0.0015	0.018	155		8.31	8.37					1							S
76815	8.695	0.016	8.332	0.016		0.344	0.021	T	0.40	0.03	L	8.3667	0.0022	0.019	71		8.33	8.39					1							S
76816	9.624	0.032	8.868	0.027	*	0.675	0.032	T	0.73	0.03	L *	9.0076	0.0020	0.013	75	*	8.98	9.03		D	15410−1449	I 1	2 C	A	AB	269	5.494	0.006	0.39	0.02	
76817	10.201	0.025	9.530	0.023		0.621	0.028	T	0.69	0.03	L	9.6119	0.0030	0.026	132		9.56	9.65					1							
76818	10.430	0.043	9.887	0.043		0.509	0.054	T	0.58	0.06	L	9.9838	0.0034	0.023	67		9.94	10.03		C			1							
76819	9.066	0.013	8.761	0.014		0.294	0.015	G	0.34	0.02	H	8.8220	0.0030	0.030	131		8.77	8.87		U 2			1							S
76820	8.483	0.014	7.496	0.013		0.864	0.014	T	0.88	0.01	L	7.5513	0.0015	0.008	52		7.53	7.57		C			1							S
76821	9.928	0.027	9.329	0.025		0.558	0.027	T	0.63	0.03	L	9.3595	0.0020	0.017	90		9.33	9.39		C			1							
76822	11.566	0.075	9.730	0.024		1.559	0.065	T	2.03	0.23	K	9.5042	0.0064	0.050	138		9.42	9.62		U 2			1							
76823	10.289	0.032	9.006	0.018	A	1.046	0.142	G	1.02	0.12	K *	9.0185	0.0027	0.025	96	*	8.97	9.05			15411−4752	H 1	2 C	C	AB	29	2.770	0.048	3.18	0.66	
76824	7.176	0.014	6.705	0.012	A	0.446	0.015	G	0.52	0.02	H *	6.6101	0.0011	0.008	85	*	6.60	6.63		D	15411−3959	I 1	2 C	A	AB	163	1.355	0.007	1.28	0.02	S
76825	12.143	0.119	10.930	0.063		1.037	0.105	T	1.01	0.09	L	10.9688	0.0037	0.050	152		10.89	11.04					1	S						G
76826	9.050	0.015	8.706	0.016		0.333	0.024	T	0.39	0.03	L	8.7581	0.0025	0.017	71		8.73	8.79		C			1							
76827	11.715	0.094	10.878	0.069		0.753	0.088	T	0.80	0.06	L	11.1300	0.0035	0.035	119		11.06	11.20		C			1							G
76828	10.911	0.061	8.817	0.018		1.771	0.052	T	2.58	0.07	O	8.5928	0.0048	0.034	75		8.54	8.65		U 2			1	S						
76829	5.124	0.004	4.689	0.003		0.413	0.011	G	0.47	0.02	A	4.7367	0.0005	0.006	91		4.73	4.75		C			1							S
76830	9.924	0.020	8.806	0.014		0.963	0.019	T	0.95	0.01	L	8.8703	0.0019	0.016	129		8.84	8.90		C			1							
76831	9.318	0.015	8.808	0.014		0.479	0.019	T	0.55	0.02	L	8.8649	0.0018	0.017	123		8.84	8.91		C			1							S
76832						1.650	0.011	G	2.55	0.02	A	12.2723	0.0062	0.072	106		12.04	12.40		U 2			1							G
76833	10.629	0.034	8.890	0.014		1.450	0.029	T	1.45	0.05	L	8.8869	0.0017	0.016	123		8.86	8.92		C			1							
76834	8.521	0.013	8.055	0.013		0.450	0.015	G	0.52	0.02	H	8.1224	0.0014	0.011	75		8.10	8.14		C			1							S
76835	11.130	0.072	10.314	0.054	A	0.662	0.155	G	0.72	0.13	R *	10.2321	0.0036	0.030	70	*	10.16	10.30		D	15413+0350	M 1	2 C	A	AB	47	8.571	0.017	1.93	0.12	
76836	6.929	0.007	6.870	0.006		0.059	0.002	G	0.07	0.00	H	6.8928	0.0009	0.008	83		6.88	6.91		C			1							S
76837	9.463	0.017	8.652	0.014	*	0.733	0.017	T	0.78	0.01	L *	8.6422	0.0019	0.016	123	*	8.61	8.68		D	15413+5959	I 1	2 C	A	AB	24	0.705	0.003	0.43	0.01	
76838	10.601	0.040	9.518	0.026		0.937	0.036	T	0.93	0.03	L	9.5320	0.0034	0.019	95		9.49	9.56			15413−4746	I 1	1							G
76839	9.113	0.016	8.837	0.018		0.263	0.023	T	0.30	0.03	L	8.8921	0.0018	0.019	83		8.86	8.94		C			1							
76840	10.108	0.029	8.625	0.015		1.249	0.026	T	1.21	0.03	L	8.6497	0.0020	0.015	78		8.63	8.68					1							
76841	8.447	0.027	8.400	0.037	*	0.048	0.043	T	0.06	0.03	L *	8.5050	0.0023	0.016	69	*	8.47	8.53		D	15414−5846	I 1	2 C	A	AB	1	3.067	0.004	0.44	0.02	
76842	9.345	0.019	8.318	0.014		0.894	0.018	T	0.90	0.01	L	8.3290	0.0022	0.015	80		8.31	8.36			15414−0238	I 1	1							S
76843	7.357	0.006	7.013	0.006		0.351	0.004	G	0.41	0.00	H	7.0598	0.0009	0.009	123		7.05	7.08		C			1							S
76844	9.412	0.016	7.874	0.008		1.313	0.015	T	3.38	0.05	O	7.3973	0.0177	0.179	139		7.14	7.70	59.80	P 1 B			1	S						S P
76845	9.795	0.023	9.298	0.023	*	0.479	0.025	T	0.55	0.03	L *	9.3618	0.0018	0.014	88	*	9.34	9.38		D	15415−4703	H 1	2 C S	A	AB	357	0.166	0.009	0.35	0.38	
76846	10.055	0.035	8.715	0.020	*	1.136	0.031	T	1.10	0.03	L *	8.8128	0.0016	0.024	67	*	8.78	8.86		D	15415−5846	H 1	2 C	B	AB	263	0.341	0.067	3.29	0.48	
76847	9.664	0.017	8.316	0.010		1.143	0.015	T	1.11	0.01	L	8.3551	0.0015	0.012	122		8.33	8.38		C			1							S
76848	9.942	0.022	8.490	0.011		1.224	0.019	T	1.18	0.02	L	8.5346	0.0017	0.016	134		8.51	8.57					1							S
76849	6.880	0.005	6.911	0.006		−0.024	0.007	T	0.00	0.01	L	6.9179	0.0008	0.008	80		6.91	6.94		C			1							S
76850	11.132	0.064	9.385	0.025		1.486	0.057	T	2.24	0.14	O	9.2352	0.0026	0.024	113		9.20	9.28		U			1							
76851	9.523	0.023	7.533	0.010		1.686	0.021	T	2.62	0.03	O	7.2862	0.0042	0.025	68		7.25	7.33		U 2			1	S						S
76852	4.584	0.002	4.515	0.002	*	0.062	0.003	T	0.07	0.00	L *	4.5337	0.0006	0.005	113	*	4.53	4.54		D	15416+1940	I 1	2 C	A	BA	250	0.203	0.003	0.13	0.06	S
76853	9.238	0.014	8.704	0.013		0.536	0.015	G	0.61	0.02	H	8.7489	0.0017	0.019	118		8.72	8.79					1							S
76854	11.018	0.062	10.347	0.054		0.621	0.069	T	0.69	0.06	L	10.3473	0.0049	0.038	86		10.27	10.40					1							G
76855	10.043	0.017	8.524	0.008		1.277	0.015	T	1.24	0.02	L	8.5562	0.0018	0.022	216		8.52	8.60		U			1 G							S
76856	10.514	0.036	9.717	0.029		0.706	0.035	T	0.76	0.03	L	9.7875	0.0028	0.020	95		9.75	9.83		C			1							G
76857	10.446	0.046	8.972	0.023		1.241	0.040	T	1.20	0.04	L	9.0262	0.0022	0.018	80		9.00	9.06		C			1							
76858	10.184	0.030	8.563	0.014		1.357	0.026	T	1.32	0.03	L	8.5723	0.0021	0.016	88		8.54	8.60					1							
76859	10.125	0.024	9.250	0.018		0.781	0.022	T	0.82	0.02	L	9.3056	0.0024	0.024	121		9.27	9.36					1							
76860	9.001	0.016	8.873	0.019		0.150	0.015	G	0.17	0.01	H	8.9223	0.0023	0.017	89		8.88	8.94					1							
76861	10.481	0.046	9.847	0.041		0.589	0.053	T	0.66	0.05	L	9.9194	0.0030	0.025	74		9.85	9.96		C			1							
76862	9.069	0.016	8.581	0.016	*	0.466	0.015	G	0.54	0.02	H *	8.4443	0.0013	0.010	75	*	8.43	8.46		D	15417−3151	I 1	2 C	A	AB	45	1.085	0.007	0.32	0.02	
76863	10.000	0.014	9.467	0.014		0.508	0.015	T	0.58	0.02	L	9.5347	0.0024	0.030	271		9.49	9.58					1	S						
76864						1.031	0.005	G	1.08	0.01	I	11.1945	0.0046	0.032	68		11.12	11.25					1 X							G
76865	8.597	0.010	7.427	0.007		1.004	0.010	T	0.98	0.01	L	7.4642	0.0008	0.008	101		7.45	7.49					1	S						S
76866	5.372	0.004	5.327	0.003		0.033	0.008	G	0.01	0.03	C	5.3402	0.0010	0.007	59		5.33	5.37	1.60	P 1 A			1							S P
76867	9.381	0.015	8.700	0.013		0.630	0.016	T	0.70	0.01	L	8.7564	0.0021	0.021	109		8.73	8.80		U 2			1							S
76868	8.865	0.013	8.302	0.012		0.490	0.015	G	0.56	0.02	H	8.3835	0.0025	0.016	82		8.36	8.41		C			1							S
76869	10.570	0.031	8.988	0.014	*	1.326	0.027	T	1.29	0.03	L *	8.9941	0.0023	0.024	184	*	8.96	9.03			15418+3054	H 1	2 C S	C	AB	336	0.180	0.101	1.58	1.71	
76870	7.886	0.007	7.722	0.008		0.157	0.010	T	0.17	0.01	L	7.7500	0.0009	0.009	131		7.73	7.77		C			1							S
76871	10.513	0.032	9.924	0.032		0.550	0.040	T	0.62	0.04	L	9.9218	0.0031	0.027	147		9.88	9.98					1							
76872	10.326	0.035	9.125	0.021		1.028	0.032	T	1.00	0.03	L	9.1397	0.0023	0.015	73		9.11	9.17		C			1							
76873	10.782	0.034	9.086	0.014		1.416	0.029	T	1.40	0.05	L	9.0666	0.0017	0.025	182		9.02	9.10					1							
76874	8.630	0.013	7.982	0.012		0.594	0.013	T	0.66	0.01	L	8.0420	0.0014	0.010	71		8.03	8.06		C			1							S
76875	8.866	0.016	8.432	0.016		0.397	0.006	G	0.46	0.01	H	8.4715	0.0014	0.014	119		8.45	8.50		C			1							
76876	9.998	0.030	8.735	0.018		1.076	0.027	T	1.04	0.02	L	8.7976	0.0013	0.013	73		8.78	8.81		C			1							
76877	5.898	0.003	5.938	0.003		−0.034	0.004	T	−0.01	0.00	L	5.9429	0.0006	0.007	140		5.93	5.96		C			1	S						S
76878	6.060	0.004	5.825	0.004		0.207	0.008	G	0.22	0.03	C	5.8640	0.0009	0.007	77		5.86	5.88					1							S
76879	10.125	0.032	9.600	0.033		0.502	0.035	T	0.57	0.04	L	9.6805	0.0024	0.016	80		9.65	9.71					1							
76880	6.804	0.008	4.933	0.005		1.574	0.009	G	1.74	0.02	A	4.8503	0.0010	0.010	59		4.84	4.87		M	15419−1941	I 1	1 G							S
76881	10.614	0.042	10.473	0.059		0.136	0.068	T	0.15	0.07	L	10.5018	0.0040	0.033	81		10.44	10.57		C			1							D
76882	8.973	0.012	8.331	0.011		0.593	0.015	G	0.66	0.01	H	8.4023	0.0015	0.016	116		8.37	8.43		C			1							S
76883	9.838	0.027	8.630	0.018		1.033	0.025	T	1.01	0.02	L	8.6412	0.0030	0.016	64		8.61	8.67					1							S
76884	9.280	0.018	8.733	0.017		0.519	0.018	T	0.59	0.02	L	8.8007	0.0018	0.012	86		8.78	8.83		C			1							
76885	9.805	0.029	8.185	0.014		1.356	0.025	T	1.32	0.03	L	8.1915	0.0018	0.012	56		8.17	8.21		C			1							S
76886	10.182	0.037	9.676	0.036		0.476	0.047	T	0.55	0.05	L	9.7431	0.0037	0.026	63		9.71	9.78		C			1							
76887	10.355	0.046	9.799	0.045		0.596	0.015	G	0.67	0.01	H	9.7893	0.0030	0.022	71		9.75	9.83		C			1							
76888	9.884	0.034	9.185	0.030	A	0.634	0.015	G	0.70	0.01	H	9.3243	0.0251	0.154	67	A	8.93	9.46		D	15420−1108	I 2	1 C P	A						
76889	11.303	0.142	10.462	0.114		0.740	0.139	T	0.78	0.11	L	10.4049	0.0024	0.033	56		10.33	10.47		D			1 X							G
76890	11.348	0.087	10.529	0.067		0.723	0.084	T	0.77	0.06	L	10.5809	0.0042	0.031	98		10.54	10.64		C			1							G
76891	10.119	0.037	9.384	0.030	B	0.637	0.009	G	0.70	0.01	H	9.5033	0.0269			B				D	15420−1108	I 2	1 C I	A						
76892	7.512	0.010	7.259	0.007		0.240	0.015	G	0.27	0.02	H	7.2980	0.0011	0.009	69		7.28	7.32		C	15420+0027	I 1	1	S						S
76893	11.176	0.050	10.383	0.039		0.719	0.049	T	0.77	0.04	L	10.5163	0.0048	0.038	107		10.45	10.58					1							
76894	8.487	0.010	6.655	0.005		1.524	0.009	T	1.56	0.01	L	6.6469	0.0010	0.011	139		6.63	6.66					1							S
76895	10.623	0.048	9.113	0.023		1.270	0.042	T	1.23	0.04	L	9.1310	0.0027	0.018	84		9.11	9.17					1							
76896						1.111	0.015	G	1.19	0.02	I	11.6651	0.0059	0.054	75		11.48	11.74					1 X							D
76897											T	11.8300	0.0098	0.080	141		11.67	11.96					1	S						G
76898	8.717	0.014	8.439	0.015		0.287	0.015	G	0.33	0.02	H	8.4663	0.0013	0.010	73		8.45	8.48		C			1							
76899	9.063	0.021	8.351	0.018		0.656	0.015	G	0.72	0.01	H	8.3995	0.0016	0.008	55		8.38	8.42					1							S
76900	11.990	0.188	10.527	0.079		1.058	0.004	G	1.11	0.01	I	10.5546	0.0038	0.033	57		10.50	10.62					1							G

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%) δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	$\mu_{\alpha*}$ μ_δ	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
76901	15 42 07.78	−19 28 09.3	11.83	2 G	235.532 426 20	−19.469 245 27	121.86	−2032.22	−1039.54	41.95	25.79	43.95	57.07	26.48	−19	− 8	− 7	−36	− 2	−13	+ 2	−43	−16	+28	8	
*76902	15 42 11.30	+72 47 19.9	10.97	H	235.547 067 63	+72.788 869 62	15.48	−121.36	−77.90	6.98	6.38	4.29	5.95	6.44	−13	+11	−39	−85	+14	−19	+ 7	−80	+20	− 8	5	
*76903	15 42 10.37	−21 53 58.5	8.11	H	235.543 193 95	−21.899 575 26	3.53	14.09	−24.63	0.94	0.60	1.11	1.13	0.86	−16	−34	−16	+15	−13	+34	− 3	+29	−10	−22	0	1.82
76904	15 42 11.60	+53 23 16.8	9.39	H	235.548 333 36	+53.387 994 84	1.71	−1.85	5.74	0.83	0.84	0.96	0.97	1.01	+ 3	− 7	−20	+ 7	+ 5	− 5	+ 4	−13	+10	+ 3	3	1.61
76905	15 42 11.91	+20 11 30.2	8.40	H	235.549 614 58	+20.191 724 22	6.22	−31.67	7.78	0.83	0.72	1.13	0.94	0.86	−28	−36	+ 3	− 5	− 9	+ 1	−19	−19	+27	−37	0	0.10
76906	15 42 13.11	+07 49 23.4	7.33	H	235.554 628 02	+07.823 165 53	12.79	−65.64	69.73	0.87	0.69	0.88	1.08	0.93	−32	−24	− 4	+30	−40	− 8	−37	+46	−10	−39	2	−2.00
*76907	15 42 15.04	−40 49 20.2	9.06	2 G	235.562 672 56	−40.822 265 97	15.67	−169.74	−154.97	0.92	0.84	1.24	1.03	1.13	−29	−16	−21	+ 9	−14	+10	− 5	+40	−28	−39	0	−1.16
*76908	15 42 14.94	+30 28 13.9	9.25	H	235.562 245 15	+30.470 527 25	0.39	− 7.45	16.21	0.71	0.76	1.08	0.78	0.94	+18	−11	− 2	−31	− 5	+ 0	− 6	−18	+14	+18	1	1.67
76909	15 42 15.06	−07 54 50.9	7.84	2 H	235.562 736 23	−07.914 142 78	2.53	9.52	−0.07	1.04	0.61	1.09	1.33	0.92	− 8	−36	− 4	+12	−12	+ 8	− 9	+22	− 9	− 1	0	0.58
76910	15 42 15.90	+09 39 03.2	7.69	H	235.566 238 35	+09.650 902 09	10.98	−40.73	−27.50	0.86	0.79	1.07	1.16	1.10	+ 0	−18	−30	+20	+20	−22	+ 9	−18	+13	−21	0	0.49
76911	15 42 16.34	+29 37 24.0	8.57	H	235.568 075 73	+29.623 325 97	19.19	−68.78	−165.55	0.57	0.71	1.13	0.55	0.78	+32	− 8	− 5	−16	+ 1	− 6	+ 6	+ 1	−20	+18	0	2.47
76912	15 42 16.51	+12 56 36.0	10.03	H	235.568 782 17	+12.943 341 43	20.77	28.14	−374.17	1.84	1.44	2.28	2.66	2.39	−34	−36	+ 0	+11	+10	−39	− 5	−24	+33	−53	0	1.02
76913	15 42 17.76	−00 25 22.0	9.68	G	235.574 005 97	−00.422 768 08	8.24	39.29	−54.08	1.50	1.16	1.66	2.08	2.00	−36	−25	−14	+38	−34	−12	−34	+45	− 5	−53	0	−1.05
76914	15 42 18.37	+26 30 46.1	9.32	H	235.576 530 72	+26.512 809 19	−0.43	− 9.35	− 5.53	0.83	0.81	1.33	0.87	0.99	− 2	−24	− 6	+50	− 2	−22	−19	− 6	+17	−30	3	−1.21
76915	15 42 18.43	+03 13 37.7	9.12	H	235.576 790 10	+03.227 127 56	16.62	−102.57	67.02	1.23	0.86	1.33	1.53	1.19	−16	−12	− 1	+37	+ 5	+21	+ 9	− 4	−20	−18	0	0.11
76916	15 42 18.95	−07 39 39.3	8.23	G	235.578 947 42	−07.660 918 71	10.09	4.43	−35.93	1.09	0.60	1.11	1.26	0.86	+ 7	−28	−16	+36	+ 9	+18	+14	+18	− 3	− 4	0	1.27
76917	15 42 19.47	−19 29 28.6	8.81	G	235.581 128 33	−19.491 274 04	15.23	−160.82	−112.34	1.51	0.97	1.77	2.24	1.34	−35	+10	−26	−24	+ 5	−15	− 8	+ 0	−29	+10	0	1.92
76918	15 42 20.92	−55 18 42.9	9.26	3 H	235.587 168 92	−55.311 921 53	2.52	− 4.98	− 1.10	1.08	0.89	1.28	1.41	1.42	+18	−21	− 9	+17	+12	+ 8	+ 6	+43	− 7	+41	0	0.45
76919 H	15 42 21.59	−66 50 48.4	8.68	H	235.589 944 89	−66.846 765 00	A 0.57	− 4.54	− 3.18	1.31	1.54	2.01	1.33	1.80	+24	−16	−20	−18	−10	+ 8	−21	+23	− 3	+35	2	1.68
76920	15 42 21.78	+06 08 12.1	9.73	H	235.590 743 87	+06.136 698 14	6.57	4.09	− 1.56	1.26	1.00	1.42	1.61	1.35	−19	−20	−18	+41	−17	+12	−14	+32	− 4	−28	2	0.57
76921	15 42 21.83	−01 24 33.6	7.99	H	235.590 973 48	−01.409 342 50	5.21	9.26	− 8.86	0.85	0.59	0.91	1.17	0.90	− 7	−17	− 9	+19	−12	− 9	−14	+16	− 1	+ 2	0	−0.65
76922	15 42 22.52	−49 46 50.3	8.60	H	235.593 849 01	−49.780 627 18	7.87	−28.51	− 3.21	0.84	0.72	1.06	0.95	0.88	− 4	−22	−17	+11	+15	−10	+12	+10	+ 6	+ 6	0	0.77
76923	15 42 24.69	+51 09 14.8	9.89	H	235.602 878 32	+51.154 124 62	2.69	− 0.29	37.44	0.91	0.98	1.05	1.12	1.28	− 2	−14	+ 4	+16	+15	+ 0	+16	− 9	+ 2	+ 2	0	−0.23
76924	15 42 25.74	−49 13 03.1	6.95	H	235.607 233 39	−49.217 536 82	2.81	− 2.01	− 6.35	0.67	0.52	0.82	0.61	0.61	− 6	−35	−17	−11	+ 8	− 9	+11	+ 5	− 6	−22	0	2.64
76925	15 42 25.93	+05 01 54.6	8.66	H	235.608 028 69	+05.031 830 54	5.32	−20.03	4.92	1.08	0.77	1.21	1.19	1.12	−12	−39	− 8	+26	−16	−17	−23	+19	+10	−31	2	−1.10
76926	15 42 26.92	+18 12 57.6	7.89	G	235.612 153 73	+18.215 988 72	15.18	−31.03	40.83	0.93	0.75	1.09	1.15	0.99	+ 5	+ 3	− 9	−40	−25	−12	−22	−17	+18	−18	2	−0.16
76927	15 42 29.50	−35 45 36.9	8.34	G	235.622 920 06	−35.760 260 54	6.72	−69.10	−42.27	0.86	0.65	1.08	1.16	1.03	−37	− 5	−11	+ 9	− 4	−23	− 3	+34	− 5	−41	0	−0.06
76928	15 42 30.91	+20 35 55.3	8.23	H	235.628 795 13	+20.598 705 81	3.21	−23.59	13.85	0.92	0.95	1.22	1.29	1.22	−46	−14	+26	−50	+ 3	− 5	+ 7	−29	+12	−49	0	−0.99
76929	15 42 31.15	+48 18 10.4	10.30	H	235.629 786 87	+48.302 892 00	14.66	−123.20	−143.73	1.08	1.18	1.29	1.30	1.37	+22	+ 0	+ 0	−18	− 8	−10	− 9	− 4	+13	+28	0	0.63
76930	15 42 31.64	−05 08 31.8	8.67	H	235.631 842 77	−05.142 160 96	2.52	−46.86	−31.48	0.99	0.69	1.06	1.32	1.09	−22	− 2	− 2	+36	− 9	+15	− 8	+26	+ 2	−28	0	2.27
76931	15 42 33.61	+00 52 06.3	9.77	H	235.640 051 49	+00.868 425 09	14.31	−167.53	27.00	1.44	1.24	1.58	1.71	1.68	−31	−25	−10	+17	+30	−17	+25	−25	+15	−40	0	2.92
76932	15 42 33.64	+03 29 37.8	8.33	H	235.640 182 91	+03.493 828 25	4.24	−24.43	−34.26	0.95	0.72	1.11	1.25	0.93	−17	−24	−18	+29	− 3	+ 2	+ 0	+ 0	+ 3	− 9	2	−1.19
76933	15 42 33.96	−45 48 29.2	9.68	H	235.641 509 05	−45.808 120 77	4.76	1.40	− 0.81	1.37	1.08	1.77	1.61	1.47	− 8	−35	−10	+ 2	− 4	+ 1	− 3	+22	−11	− 9	2	0.17
76934	15 42 35.06	−66 01 12.1	7.80	H	235.646 079 81	−66.020 015 81	4.60	−33.41	−40.29	0.52	0.67	0.91	0.57	0.82	− 4	− 5	+ 5	−39	− 4	− 3	+ 2	+21	− 6	−13	1	2.21
76935	15 42 37.23	−49 29 22.2	6.02	H	235.655 130 75	−49.489 498 72	6.31	− 4.14	−22.55	0.60	0.47	0.72	0.56	0.56	−12	−32	−13	− 6	+ 8	−10	+13	+12	− 7	−25	0	2.54
76936	15 42 37.95	+45 45 42.9	7.01	H	235.658 134 46	+45.761 908 49	9.72	−37.15	59.45	0.48	0.51	0.59	0.49	0.54	+ 2	−13	− 3	−13	+ 9	− 4	+ 9	+ 2	+ 1	+ 3	0	2.90
76937	15 42 38.10	−18 36 25.4	8.08	1 H	235.658 731 57	−18.607 065 02	1.06	− 8.54	−14.52	1.40	0.69	1.39	1.72	0.97	+ 7	−44	−17	−45	−20	+13	−19	−10	−16	+27	3	−1.34
*76938	15 42 38.36	+39 31 00.4	8.69	H	235.659 839 25	+39.516 766 88	4.59	−42.78	0.89	0.71	0.72	0.94	0.90	0.89	+10	− 7	+22	+ 7	+ 9	+15	+ 7	+13	− 9	− 2	1	0.37
*76939	15 42 38.35	−37 25 29.6	5.23	H	235.659 801 43	−37.424 896 40	12.04	−50.36	−16.11	0.66	0.49	0.78	0.83	0.71	−26	−27	−12	+21	− 5	+ 9	− 1	+35	− 6	−28	0	−0.28
76940	15 42 38.43	−73 39 19.3	8.94	H	235.660 137 45	−73.655 355 13	3.16	6.87	−10.46	0.68	0.85	1.09	0.85	1.08	+20	− 4	− 9	− 4	+10	−19	+ 3	+21	+ 0	+37	0	0.54
76941	15 42 38.62	+31 56 45.9	10.89	G	235.660 931 96	+31.946 072 25	17.86	−82.60	−39.04	1.19	1.42	1.97	1.33	1.60	+23	− 6	− 8	− 8	+ 0	−17	− 1	− 6	− 3	+23	2	2.90
76942	15 42 39.04	+54 32 09.1	8.83	H	235.662 676 72	+54.535 874 71	2.37	−11.84	13.61	0.74	0.71	0.80	0.84	0.92	+10	+ 3	− 7	− 8	+ 5	− 6	+ 1	+17	+ 6	+23	0	0.72
76943	15 42 40.10	−32 11 09.6	7.48	H	235.667 087 67	−32.186 011 54	3.70	− 9.62	− 9.35	0.79	0.60	0.96	0.84	0.79	−18	−27	−27	+ 8	−17	+17	− 6	+28	−22	−37	2	0.44
76944	15 42 40.61	+31 42 31.6	6.71	H	235.669 190 79	+31.708 781 20	5.17	− 1.53	−12.33	0.43	0.50	0.73	0.48	0.58	+21	−11	− 5	− 8	+ 3	−14	+ 4	− 3	− 6	+18	0	1.27
76945	15 42 41.04	−34 42 37.2	4.75	1 G	235.670 988 05	−34.710 333 25	8.24	−23.96	−30.43	0.73	0.58	0.84	1.02	0.93	−50	+ 4	−18	+ 9	+ 8	−16	+10	+15	+ 8	−50	0	−0.37
76946	15 42 41.53	−25 59 25.6	10.61	H	235.673 061 06	−25.990 449 94	1.05	13.98	−15.72	2.09	1.24	2.41	2.38	1.86	− 9	−23	−18	+ 8	+20	+20	+27	− 9	+12	−17	0	−0.38
*76947	15 42 41.93	+67 03 59.8	7.80	2 H	235.674 719 09	+67.066 623 40	0.68	8.70	−15.21	0.54	0.56	0.59	0.53	0.58	+ 1	− 1	+ 4	−26	− 6	−14	− 4	− 2	−13	− 2	1	0.24
*76948	15 42 41.89	−43 00 17.4	9.98	H	235.674 559 15	−43.004 827 40	9.15	−69.61	−107.38	1.24	1.02	1.71	1.42	1.32	−10	− 7	−27	− 2	− 3	−20	− 9	+26	−11	−12	0	1.58
76949	15 42 42.84	+09 31 09.7	8.83	H	235.678 490 03	+09.519 365 75	5.10	− 3.99	− 1.95	1.12	0.82	1.26	1.61	1.24	+ 7	− 8	−19	+28	+18	−11	+ 9	−18	+29	− 9	0	−1.06
76950	15 42 43.13	+26 50 40.2	8.64	H	235.679 724 24	+26.844 507 16	2.65	−11.10	18.33	0.67	0.73	1.11	0.68	0.87	−11	−30	+ 0	+33	− 1	−17	− 7	− 1	− 3	−34	1	0.89
76951	15 42 44.04	+07 50 27.5	9.22	H	235.683 497 97	+07.840 968 41	−0.89	−26.35	9.67	1.19	0.96	1.33	1.60	1.36	−25	−12	− 9	+ 9	−25	−28	−30	+29	+ 6	−34	2	−2.24
76952 H	15 42 44.64	+26 17 43.9	3.81	H	235.685 992 69	+26.295 514 19	A 22.48	−112.52	50.70	0.54	0.55	0.67	0.48	0.58	−12	−24	− 6	+55	− 1	−15	−14	− 5	+11	−32	2	−0.39
76953	15 42 46.36	+18 59 14.3	9.52	H	235.693 150 05	+18.987 316 99	10.45	54.53	−66.75	1.10	1.06	1.39	1.28	1.39	− 4	− 6	−12	+ 1	−21	+ 7	−20	+ 9	+ 7	−30	0	0.35
76954 H	15 42 46.42	−16 00 48.9	7.05	G	235.693 417 67	−16.013 576 43	A 15.23	−115.59	−48.58	1.48	0.92	1.42	1.45	1.12	− 2	− 1	−20	+18	− 3	− 7	− 2	+17	+20	− 4	2	0.23
76955	15 42 49.02	+43 38 12.6	9.17	H	235.704 243 52	+43.636 840 80	5.47	−26.22	2.38	0.78	0.91	0.98	1.05	1.13	+ 9	−10	− 6	+22	+ 0	+ 7	+ 1	+39	+ 5	+ 5	0	−0.10
76956	15 42 49.84	+24 50 24.9	9.20	H	235.707 672 71	+24.840 246 68	4.59	−24.29	−12.30	0.83	0.80	1.24	1.05	0.95	−18	−15	+ 6	+43	−29	− 2	−30	+15	+16	−19	0	0.35
76957	15 42 50.82	+52 21 39.0	5.48	H	235.711 763 16	+52.360 830 46	10.30	−66.30	29.68	0.42	0.45	0.50	0.50	0.56	+13	−15	−25	+ 3	+ 9	− 3	+ 7	− 6	+12	+20	0	0.69
76958 H	15 42 50.84	−61 46 37.8	9.16	H	235.711 841 91	−61.777 164 78	* 8.37	8.09	20.99	0.87	0.91	1.34	1.05	1.23	+20	− 7	− 3	+46	+51	− 9	+55	+22	− 1	+23	0	1.02
76959	15 42 51.67	+06 53 02.2	7.09	H	235.715 286 10	+06.883 932 39	6.29	−48.40	− 6.83	0.85	0.61	0.94	1.00	0.84	−21	−33	−19	+38	−31	+18	−24	+40	−12	−30	2	1.94
76960	15 42 51.75	−28 11 38.0	9.15	H	235.715 635 15	−28.193 878 41	2.51	−11.40	− 2.54	1.19	0.74	1.27	1.24	0.99	+ 1	− 8	−20	−27	− 3	−20	− 9	−11	+ 5	−15	0	−2.44
76961	15 42 52.97	−44 56 40.0	8.85	H	235.720 721 91	−44.944 449 53	4.50	−187.04	−92.41	0.99	0.86	1.19	1.28	1.19	−18	−12	−14	+37	− 6	+ 5	− 4	+46	− 1	−19	0	0.09
76962	15 42 53.93	−51 10 18.2	8.48	H	235.724 691 08	−51.171 714 28	5.72	11.85	13.30	0.95	0.84	1.15	1.21	1.11	−17	+ 0	− 7	+11	+ 7	+ 4	+ 8	+28	+ 9	−19	2	0.92
76963	15 42 54.48	+04 06 07.3	7.41	G	235.726 980 76	+04.102 036 49	18.10	−40.12	−12.62	0.86	0.67	0.98	0.98	0.90	−26	−29	− 7	+36	− 5	− 6	− 9	+ 4	+12	−35	0	0.53
76964	15 42 54.60	+06 55 37.5	8.17	G	235.727 511 18	+06.927 071 58	9.85	19.23	−168.11	1.02	0.70	1.14	1.16	0.99	−18	−38	−19	+37	−29	+16	−22	+37	−12	−31	2	0.63
76965	15 42 57.07	+06 43 03.5	8.32	H	235.737 791 45	+06.717 634 22	15.08	42.96	−19.10	1.00	0.75	1.12	1.25	1.09	−19	−31	−12	+35	−22	+ 8	−19	+35	− 5	−27	2	−0.11
76966	15 42 57.43	−82 39 45.9	8.56	H	235.739 272 25	−82.662 746 11	4.00	−39.25	−26.30	0.68	0.68	0.86	0.63	0.74	+13	−38	−16	− 5	− 1	− 6	− 5	+16	+ 6	+11	0	0.76
76967	15 42 58.00	+14 33 25.2	10.10	H	235.741 672 13	+14.557 007 58	2.26	−35.63	−44.24	1.44	1.10	1.48	1.74	1.69	−24	−27	− 7	+28	−20	+ 3	−19	+28	− 4	−39	0	1.35
76968 H	15 42 58.25	−58 06 52.8	7.49	2 H	235.742 710 71	−58.114 663 01	A −0.21	5.37	− 0.52	1.82	1.52	1.81	1.59	1.58	+ 4	−10	+ 3	+14	+ 7	− 6	+ 6	+36	−10	+ 5	2	3.15
76969	15 42 59.51	−24 15 54.8	8.11	H	235.747 962 13	−24.265 235 15	0.08	− 7.21	0.83	1.19	0.65	1.29	1.44	1.04	− 9	−38	−18	+ 9	−16	+11	−17	+30	+ 1	− 4	0	0.10
76970	15 43 00.25	+43 15 55.1	10.14	2 H	235.751 046 72	+43.265 317 78	4.35	− 2.02	20.41	0.98	0.96	1.15	1.29	1.20	+23	−15	−14	−19	−17	+ 4	−12	+ 1	− 4	+ 8	0	0.00
76971	15 43 00.52	−49 01 28.9	8.89	H	235.752 176 29	−49.024 685 45	4.11	− 5.61	−26.81	0.84	0.73	1.09	0.86	0.86	− 3	−24	−17	+ 6	+ 2	−22	− 1	+12	+ 3	−12	0	0.40
76972	15 43 00.88	+11 01 02.2	9.01	H	235.753 647 49	+11.017 287 32	7.95	−159.01	159.98	1.61	1.09	1.66	2.11	1.53	+20	−21	−37	+36	+24	−21	+ 8	− 3	+17	−19	0	0.85
76973	15 43 01.61	+80 07 22.3	8.00	H	235.756 708 65	+80.122 863 64	8.36	− 9.26	31.69	0.65	0.61	0.68	0.67	0.73	+10	−23	−20	−14	−11	+ 1	−12	+12	+ 2	+ 2	0	0.83
76974	15 43 02.05	−73 26 45.8	11.33	G	235.758 548 77	−73.446 053 73	0.71	−22.55	−38.86	2.66	3.00	4.03	3.12	3.69	+16	− 8	− 4	−15	+ 5	− 7	− 1	+12	+15	+31	0		
76975	15 43 02.37	+18 09 05.2	8.93	H	235.759 889 49	+18.151 441 71	9.71	7.11	−34.90	1.17	1.04	1.37	1.28	1.36	− 4	− 2	−18	−47	−22	− 7	−19	− 8	+16	−28	0	1.49
76976	15 43 03.76	−10 55 57.9	7.20	H	235.765 664 10	−10.932 761 29	17.44	−1115.54	−302.77	0.89	0.60	0.97	0.93	0.83	−21	−40	− 5	+28	−19	− 1	− 8	+35	−23	−26	0	0.79
76977	15 43 03.90	−27 58 35.3	8.56	H	235.766 236 94	−27.976 463 62	3.72	−12.40	− 7.17	1.07	0.68	1.19	1.19	0.94	− 5	+ 7	−27	−31	+ 5	−31	− 3	−15	+ 8	−22	0	0.79
76978	15 43 04.37	−40 09 26.8	12.22	H	235.768 214 66	−40.157 455 06	−2.60	0.90	− 1.45	3.54	2.88	4.10	4.52	4.28	−32	−11	−17	+37	−22	+ 0	−20	+54	−12	−33	2	1.36
76979	15 43 04.93	−12 29 33.4	9.72	H	235.770 546 99	−12.492 603 18	3.69	7.89	− 0.70	1.63	0.95	1.76	1.87	1.53	−13	−37	−18	+35	−16	+ 5	−15	+37	+ 4	−34	0	1.83
76980	15 43 05.63	−31 05 28.1	9.55	H	235.773 469 82	−31.091 149 27	0.11	−12.45	−12.71	1.32	0.94	1.56	1.46	1.40	−14	−36	−24	+ 6	−22	+25	− 4	+38	−23	−47	0	−0.46
76981	15 43 08.41	+51 25 11.6	9.20	H	235.785 050 05	+51.419 896 76	4.96	16.43	8.85	0.86	0.87	0.97	1.05	1.11	+16	+ 2	− 7	+26	+15	+ 8	+16	+ 8	+17	+15	0	−0.14
76982	15 43 08.69	−13 03 21.9	6.64	H	235.786 218 68	−13.056 085 49	18.56	73.56	−92.56	0.81	0.54	0.88	0.97	0.82	−14	−28	+ 1	+30	− 2	+19	+ 0	+32	+ 2	−22	2	2.15
76983	15 43 09.61	−13 33 16.2	8.05	H	235.790 021 94	−13.554 501 83	4.22	− 0.02	− 14.05	0.93	0.60	0.99	1.20	0.95	−12	−16	+ 0	+36	− 1	+22	+ 0	+34	+ 8	−15	0	1.69
76984	15 43 10.46	+21 42 05.4	8.50	H	235.793 584 31	+21.701 491 97	12.02	−36.21	−18.15	0.84	0.91	1.23	1.16	1.10	−36	−15	− 3	−53	+13	+30	+15	−49	+11	−31	5	2.05
76985 H	15 43 10.54	+13 40 03.9	6.48	G	235.793 928 69	+13.667 753 70	A 5.18	−20.16	−35.87	1.41	0.93	1.26	1.59	1.32	− 6	−34	− 2	+36	−11	−21	−26	+ 3	+31	−25	2	−0.37
76986	15 43 10.68	−29 30 58.2	9.83	H	235.794 506 11	−29.516 174 23	5.70	−33.09	−34.23	1.47	0.89	1.59	1.57	1.17	− 6	−24	− 1	+ 3	− 1	+ 4	− 1	+ 3	+ 1	+ 7	5	−0.52
76987	15 43 10.97	−37 55 05.5	8.65	2 H	235.795 694 15	−37.918 200 40	4.18	−22.39	−17.14	0.91	0.76	1.17	1.34	1.06	−32	+ 0	− 9	+18	+ 7	+ 4	+ 1	+35	−14	+ 0	0	1.07
76988 H	15 43 11.54	−25 24 56.0	7.11	G	235.798 098 36	−25.415 547 90	A 8.59	27.83	−15.10	1.27	0.77	1.39	1.35	1.23	−23	−43	+ 8	+11	+ 1	−14	− 2	+13	+25	−48	2	0.83
76989	15 43 11.84	−33 21 05.3	9.28	H	235.799 347 29	−33.351 463 20	8.36	2.12	−23.57	1.27	0.84	1.47	1.57	1.22	−10	− 5	−32	−24	+ 4	−11	− 1	− 5	− 6	− 6	0	1.80
76990 H	15 43 11.99	−44 43 11.1	8.72	G	235.799 956 95	−44.719 748 81	A 27.30	−154.74	−140.30	2.28	1.96	2.64	2.66	2.39	− 8	− 4	−26	+18	+17	− 4	+15	+29	−14	+ 0	2	0.67
76991	15 43 13.57	−01 43 57.8	8.91	H	235.806 533 54	−01.732 724 89	6.10	−16.55	−58.89	1.21	0.87	1.36	1.50	1.20	−15	−30	−27	+33	−24	+12	−20	+34	− 6	−22	0	0.33
76992	15 43 13.79	−41 02 16.9	8.38	H	235.807 447 03	−41.038 037 57	9.35	−33.22	−77.63	0.86	0.69	1.06	0.88	0.89	−15	−19	−22	+ 8	− 5	+ 4	+ 4	+30	−19	−34	0	−0.69
76993	15 43 14.32	+31 23 05.6	7.26	H	235.809 661 49	+31.384 901 28	13.69	59.26	−131.85	0.46	0.53	0.78	0.48	0.60	+17	−15	− 7	−10	− 2	−13	− 1	− 4	− 4	+ 5	1	0.15
76994	15 43 15.21	+34 48 43.4	8.19	H	235.813 372 28	+34.812 052 35	8.36	−17.67	−15.69	0.57	0.68	0.85	0.67	0.79	+10	+ 3	−17	+ 7	− 5	+ 8	− 2	+13	+ 2	− 8	1	1.45
76995	15 43 15.84	−51 06 49.2	7.87	H	235.815 984 98	−51.113 661 08	3.46	− 6.97	−10.95	0.76	0.64	0.89	0.94	0.88	−18	− 9	− 6	+14	+ 2	+ 3	+ 4	+28	+ 9	−27	0	0.53
76996	15 43 16.10	−84 27 55.8	5.57	H	235.817 086 57	−84.465 508 07	15.02	137.01	96.74	0.39	0.45	0.51	0.38	0.51	+ 7	−32	−10	− 2	−16	− 5	−22	− 9	+13	−10	1	−1.34
76997	15 43 17.22	−35 14 35.6	8.52	H	235.821 731 42	−35.243 232 36	12.17	−32.54	−44.53	1.07	0.76	1.38	1.62	1.14	−42	+ 6	−18	+ 6	+25	−34	+21	+16	+ 6	−24	2	−1.86
76998	15 43 17.75	−05 15 12.4	9.90	H	235.823 943 46	−05.253 433 88	21.47	11.77	−106.06	1.36	0.92	1.58	1.92	1.43	−34	−12	− 2	+19	− 7	+ 9

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
76901						1.591	0.020	G	2.55	0.00	A	11.8548	0.0100	0.054	53		11.64	11.96		U			1 X							G G
76902											T	11.1011	0.0069	0.033	52		11.04	11.17		C	15422+7247	I 1	1 X							G
76903	9.674	0.022	8.234	0.013		1.248	0.002	G	1.21	0.00	H	8.2712	0.0012	0.010	79		8.25	8.29					1							
76904	11.292	0.058	9.511	0.022		1.484	0.049	T	1.50	0.07	L	9.5197	0.0025	0.022	118		9.48	9.56					1							
76905	8.783	0.011	8.424	0.011		0.351	0.003	G	0.41	0.00	H	8.4803	0.0015	0.017	125		8.44	8.52					1							S
76906	8.037	0.009	7.411	0.009		0.582	0.011	T	0.65	0.01	L	7.4566	0.0013	0.009	74		7.44	7.47		C			1							S
76907	10.049	0.029	9.175	0.023		0.775	0.005	G	0.82	0.01	H	9.2097	0.0040	0.039	105		9.16	9.28		U 2			1							
76908	11.133	0.042	9.379	0.016		1.462	0.036	T	1.47	0.06	L	9.3819	0.0028	0.030	186		9.33	9.44		R			1 S							
76909	10.097	0.033	8.059	0.012		1.688	0.028	T	1.71	0.03	L	7.9477	0.0041	0.031	73		7.90	8.01		U 2			1							
76910	8.182	0.009	7.736	0.011		0.417	0.015	G	0.48	0.02	H	7.7871	0.0022	0.014	61		7.76	7.81					1							S
76911	9.381	0.012	8.641	0.010		0.663	0.012	T	0.72	0.01	L	8.7084	0.0016	0.021	231		8.67	8.74					1							S
76912	11.397	0.179	10.107	0.089		1.092	0.161	T	1.16	0.23	L	10.1526	0.0077	0.034	61		10.10	10.20					1							
76913	10.391	0.042	9.717	0.036		0.569	0.015	G	0.64	0.01	H	9.8050	0.0041	0.024	65		9.76	9.85		C			1							
76914	10.767	0.053	9.461	0.028		1.110	0.047	T	1.07	0.05	L	9.4884	0.0028	0.023	135		9.44	9.54		R			1							
76915	9.921	0.030	9.190	0.025		0.656	0.030	T	0.72	0.03	L	9.2583	0.0027	0.021	73		9.22	9.29		C			1							
76916	8.832	0.016	8.278	0.015		0.558	0.015	G	0.63	0.01	H	8.3412	0.0011	0.010	66		8.33	8.37		C			1							S
76917	9.896	0.035	8.940	0.026		0.840	0.003	G	0.88	0.00	H	8.9483	0.0039	0.019	58		8.92	8.99			15423−1929	I 1	1 S							
76918	11.092	0.065	9.378	0.025		1.820	0.510	G	1.80	0.52	J	9.3563	0.0828	0.406	82		8.84	9.75	12.66	P 1 A			1 S							G
76919	9.575	0.036	8.523	0.020	*	0.913	0.031	T	0.91	0.02	L *	8.8307	0.0017	0.022	214	*	8.79	8.87		D	15424−6651	I 1	2 C A	AB	286	1.561	0.005	1.24	0.04	
76920	10.467	0.044	9.896	0.043		0.534	0.055	T	0.61	0.06	L	9.8414	0.0025	0.019	72		9.80	9.88					1							
76921	9.292	0.016	8.108	0.010		1.015	0.015	T	0.99	0.01	L	8.1612	0.0015	0.011	76		8.14	8.18		C			1							
76922	9.083	0.017	8.635	0.017		0.436	0.019	T	0.50	0.02	L	8.6988	0.0023	0.017	85		8.68	8.74		C			1							
76923	10.388	0.032	9.927	0.033		0.435	0.042	T	0.50	0.04	L	9.9844	0.0029	0.023	111		9.94	10.03					1							
76924	9.093	0.015	7.138	0.007		1.622	0.013	T	1.64	0.01	L	7.0667	0.0011	0.008	88		7.05	7.08		C			1							S
76925	8.957	0.015	8.680	0.016		0.264	0.021	T	0.30	0.03	L	8.7322	0.0023	0.014	76		8.71	8.76		C			1							
76926	8.385	0.012	7.925	0.012		0.450	0.015	G	0.52	0.02	H	7.9824	0.0018	0.017	79		7.96	8.01					1							S
76927	8.722	0.012	8.355	0.013		0.370	0.015	G	0.43	0.02	H	8.4190	0.0016	0.015	107		8.40	8.45		C			1							
76928	10.362	0.027	8.421	0.010		1.610	0.023	T	1.63	0.02	L	8.3411	0.0017	0.015	128		8.31	8.37					1							
76929	11.371	0.066	10.504	0.052		0.775	0.063	T	0.81	0.04	L	10.4503	0.0043	0.037	112		10.37	10.52					1							
76930	10.501	0.034	8.839	0.015		1.389	0.029	T	1.36	0.04	L	8.8079	0.0017	0.019	100		8.77	8.84		C			1							
76931	10.680	0.055	9.921	0.043		0.677	0.053	T	0.74	0.04	L	9.9099	0.0033	0.030	73		9.84	9.96		C			1							
76932	9.727	0.026	8.453	0.016		1.085	0.024	T	1.05	0.02	L	8.4946	0.0017	0.014	85		8.47	8.52		C			1							
76933	10.999	0.062	9.799	0.034		1.027	0.055	T	1.00	0.04	L	9.8507	0.0027	0.020	86		9.81	9.89		C			1 G							G
76934	9.068	0.012	7.913	0.008		0.992	0.011	T	0.97	0.01	L	7.9637	0.0016	0.016	167		7.94	7.99					1							
76935	7.751	0.008	6.176	0.005		1.315	0.005	G	1.28	0.01	H	6.1749	0.0008	0.006	91		6.17	6.19		C			1							S
76936	7.437	0.006	7.048	0.006		0.368	0.008	T	0.43	0.01	L	7.0998	0.0008	0.010	119		7.09	7.12		C			1							S
76937	10.179	0.039	8.276	0.015		1.614	0.034	T	2.00	0.09	O	8.1591	0.0028	0.021	65		8.12	8.19		U			1							
76938	10.380	0.028	8.838	0.014		1.295	0.025	T	1.25	0.03	L	8.8471	0.0023	0.018	124		8.81	8.88					1							
76939	6.497	0.003	5.348	0.003		0.987	0.003	T	0.97	0.00	L	5.3993	0.0006	0.006	98		5.39	5.42		C			1							S
76940	10.614	0.033	9.082	0.016		1.287	0.029	T	1.25	0.03	L	9.0930	0.0019	0.021	165		9.06	9.13					1							
76941	12.325	0.160	10.960	0.077		1.300	0.020	G	1.49	0.03	I	11.0046	0.0033	0.046	162		10.93	11.08		D			1							G
76942	9.983	0.021	8.909	0.014		0.930	0.019	T	0.92	0.01	L	8.9912	0.0018	0.018	110		8.95	9.02		C			1							
76943	7.388	0.007	7.470	0.009		−0.053	0.015	G	−0.03	0.01	H	7.4672	0.0021	0.013	82		7.45	7.49					1							S
76944	8.495	0.009	6.872	0.005		1.359	0.008	T	1.33	0.01	L	6.8635	0.0010	0.010	167		6.85	6.88		C			1							S
76945	4.555	0.002	4.704	0.002		−0.151	0.018	G	−0.15	0.02	A	4.6915	0.0008	0.009	113		4.68	4.71		M			1							S
76946	11.552	0.118	10.776	0.089		0.706	0.115	T	0.76	0.10	L	10.7480	0.0050	0.029	72		10.69	10.80		C			1							G
76947	9.963	0.023	8.071	0.009		1.572	0.020	T	1.59	0.02	L	7.9189	0.0044	0.040	123		7.84	7.98		U 2	15427+6704	I 1	1 S							S
76948	11.032	0.062	9.988	0.039		0.897	0.057	T	0.90	0.04	L	10.1220	0.0026	0.025	91		10.08	10.18		C			1							G
76949	9.527	0.023	8.894	0.021		0.588	0.027	T	0.66	0.03	L	8.9598	0.0022	0.015	64		8.92	8.98					1							
76950	9.850	0.019	8.736	0.013		0.960	0.018	T	0.95	0.01	L	8.8020	0.0015	0.018	139		8.77	8.84		C			1							S
76951	10.269	0.040	9.368	0.029		0.801	0.037	T	0.83	0.03	L	9.3735	0.0039	0.027	72		9.33	9.42		R			1							
76952	3.840	0.002	3.819	0.002	*	0.020	0.003	T	0.04	0.00	L *	3.8233	0.0008	0.007	121	*	3.81	3.84		D	15427+2618	I 1	2 C A	AB	118	0.609	0.002	1.56	0.01	S
76953	10.420	0.035	9.563	0.027		0.768	0.033	T	0.81	0.02	L	9.6733	0.0040	0.035	86		9.60	9.72					1							
76954	7.685	0.013	7.153	0.014	A	0.519	0.008	G	0.59	0.01	H *	7.0849	0.0012	0.008	78	*	7.07	7.10		D	15428−1600	I 1	2 C A	AB	107	1.886	0.010	1.47	0.03	S
76955	9.790	0.020	9.202	0.019		0.549	0.024	T	0.62	0.02	L	9.2856	0.0016	0.016	112		9.26	9.31					1							
76956	9.798	0.021	9.254	0.020		0.510	0.026	T	0.58	0.03	L	9.3169	0.0022	0.023	127		9.27	9.37					1							
76957	5.429	0.003	5.480	0.003		−0.042	0.004	T	−0.02	0.00	L	5.4741	0.0007	0.007	119		5.46	5.48					1							S
76958	9.838	0.019	9.231	0.018	*	0.568	0.002	G	0.64	0.00	H *	9.2830	0.0019	0.024	146	*	9.25	9.33			15428−6147	H 1	2 C S C	AB	333	0.134	0.031	0.99	0.92	
76959	8.591	0.014	7.216	0.008		1.164	0.013	T	1.13	0.01	L	7.2588	0.0019	0.009	64		7.25	7.28		C			1							S
76960	10.154	0.035	9.275	0.027		0.769	0.034	T	0.81	0.02	L	9.2945	0.0021	0.017	76		9.27	9.33					1							
76961	8.966	0.017	8.857	0.021		0.098	0.025	T	0.11	0.03	L	8.8900	0.0024	0.019	85		8.87	8.92					1							
76962	9.864	0.026	8.648	0.016		1.039	0.024	T	1.01	0.02	L	8.6450	0.0021	0.018	84		8.62	8.68		C			1							
76963	8.107	0.010	7.487	0.009		0.602	0.015	G	0.67	0.01	H	7.5326	0.0015	0.011	73		7.51	7.56		C			1							S
76964	8.919	0.019	8.227	0.016		0.620	0.015	G	0.69	0.01	H	8.2980	0.0014	0.010	66		8.28	8.32		C			1							S
76965	9.014	0.018	8.398	0.016		0.574	0.021	T	0.65	0.02	L	8.4479	0.0021	0.017	64		8.42	8.48					1							S
76966	10.061	0.023	8.685	0.013		1.165	0.021	T	1.13	0.02	L	8.7285	0.0016	0.016	136		8.70	8.76		C			1							
76967	10.920	0.074	10.258	0.068		0.614	0.085	T	0.68	0.07	L	10.2257	0.0035	0.028	63		10.15	10.27					1							
76968	9.304	0.031	7.840	0.016	*	1.234	0.027	T	1.19	0.03	L *	7.6576	0.0083	0.060	88	*	7.59	7.76		U 2	15430−5807	I 1	2 C A	AB	92	4.920	0.016	2.00	0.08	
76969	10.534	0.044	8.346	0.014		1.807	0.037	T	1.84	0.04	L	8.1956	0.0028	0.015	66		8.18	8.22					1							S
76970	10.615	0.042	10.241	0.046		0.354	0.058	T	0.42	0.06	L	10.2252	0.0131	0.090	99		10.14	10.38	0.64	P 1 A			1							
76971	9.576	0.021	8.970	0.020		0.563	0.021	T	0.64	0.02	L	9.0105	0.0021	0.015	85		8.98	9.03		C			1							
76972	9.712	0.031	9.113	0.029		0.559	0.037	T	0.63	0.03	L	9.1303	0.0039	0.019	46		9.09	9.16		C			1							S
76973	8.304	0.010	8.014	0.010		0.276	0.013	T	0.31	0.02	L	8.0728	0.0020	0.015	94		8.05	8.10					1							S
76974											T	11.3399	0.0049	0.056	164		11.24	11.43					1 X S							G
76975	9.796	0.025	9.019	0.021		0.707	0.025	T	0.76	0.02	L	9.0731	0.0023	0.021	79		9.04	9.12					1							S
76976	7.760	0.009	7.256	0.009		0.484	0.010	T	0.56	0.01	L	7.3000	0.0013	0.009	75		7.28	7.32		C			1							S
76977	9.363	0.018	8.623	0.015		0.677	0.019	T	0.74	0.02	L	8.6937	0.0014	0.014	78		8.68	8.72		C	15431−2759	I 1	1							
76978											T	12.3640	0.0124	0.093	85		12.22	12.51					1							D
76979	10.250	0.043	9.727	0.042		0.500	0.045	T	0.57	0.05	L	9.8280	0.0029	0.020	63		9.79	9.86		C			1							
76980	10.108	0.034	9.570	0.032		0.504	0.042	T	0.58	0.04	L	9.6583	0.0037	0.024	77		9.62	9.69					1							
76981	10.457	0.032	9.285	0.020		1.005	0.029	T	0.98	0.02	L	9.3629	0.0023	0.021	121		9.32	9.40		C			1							
76982	7.276	0.008	6.698	0.007		0.543	0.008	T	0.62	0.01	L	6.7574	0.0006	0.006	77		6.75	6.77		C			1							S
76983	9.346	0.019	8.164	0.012		1.013	0.018	T	0.99	0.01	L	8.2160	0.0014	0.010	82		8.20	8.24		C			1							
76984	9.341	0.020	8.578	0.016		0.684	0.015	G	0.74	0.01	H	8.6417	0.0013	0.014	95		8.62	8.67		C			1							S
76985	7.641	0.011	6.630	0.008	*	0.873	0.003	G	0.88	0.00	H *	6.6416	0.0013	0.008	64	*	6.63	6.65		D	15432+1340	I 1	2 C A	AB	6	0.713	0.002	0.82	0.01	S
76986	10.520	0.041	9.907	0.038		0.571	0.049	T	0.64	0.04	L	9.9524	0.0035	0.027	81		9.92	10.00					1							G
76987	9.266	0.016	8.741	0.015		0.502	0.016	T	0.57	0.02	L	8.7658	0.0047	0.065	101		8.72	8.95	1.43	P 1 A			1							
76988	7.521	0.010	7.111	0.013	*	0.406	0.015	G	0.47	0.02	H *	7.2036	0.0010	0.009	76	*	7.19	7.22		D	15432−2525	I 1	2 C A	AB	289	5.729	0.009	2.18	0.02	S
76989	9.973	0.030	9.321	0.026		0.597	0.030	T	0.67	0.03	L	9.4064	0.0024	0.021	71		9.37	9.45					1							
76990	10.085	0.037	8.958	0.025	*	0.985	0.002	G	1.03	0.00	I *	8.8636	0.0026	0.020	94	*	8.83	8.89		D	15432−4443	I 1	2 C A	AB	219	0.814	0.005	0.71	0.02	
76991	10.364	0.034	9.042	0.020		1.122	0.031	T	1.08	0.03	L	9.0770	0.0019	0.021	78		9.04	9.10		C			1							
76992	9.582	0.018	8.470	0.012		0.950	0.017	T	0.94	0.01	L	8.5213	0.0018	0.014	95		8.49	8.54		C	15432−4102	I 1	1							
76993	7.796	0.006	7.313	0.006		0.455	0.008	T	0.52	0.01	L	7.3602	0.0007	0.011	183		7.34	7.38					1							S
76994	8.496	0.008	8.218	0.008		0.264	0.011	T	0.30	0.01	L	8.2641	0.0015	0.017	153		8.24	8.30					1							S
76995	7.822	0.009	7.859	0.011		−0.029	0.013	T	−0.01	0.01	L	7.8668	0.0013	0.012	86		7.84	7.89					1							S
76996	5.717	0.003	5.587	0.003		0.118	0.004	T	0.13	0.00	L	5.6126	0.0006	0.007	141		5.60	5.63					1							S
76997	9.023	0.018	8.530	0.018		0.475	0.020	T	0.55	0.02	L	8.6210	0.0019	0.014	117		8.60	8.65		C			1							
76998	11.524	0.080	10.099	0.036		1.110	0.015	G	1.07	0.02	H	10.0409	0.0024	0.028	110		9.99	10.08					1 S							
76999	10.754	0.025	9.318	0.012		1.212	0.022	T	1.17	0.02	L	9.3741	0.0021	0.030	260		9.33	9.43					1							
77000	9.701	0.025	9.069	0.023		0.582	0.025	T	0.65	0.02	L	9.1282	0.0017	0.012	69		9.11	9.15		C			1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)												Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
1 2	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas			mas/yr		19	20	21	22	23	24	25	26	27	28	%	
	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18											29	30
77001	15 43 22.28	+11 42 39.8	6.94	H	235.842 836 07	+11.711 044 11		1.13	9.64	−13.22	0.93	0.69	1.18	1.45	0.92	+ 9	−31	−39	+30	+32	−50	+ 4	−13	+31	−21	0	2.10
77002 H	15 43 22.63	+81 19 09.5	8.28	H	235.844 274 27	+81.319 294 99	A	7.78	−96.60	68.55	1.20	1.27	1.25	1.08	1.41	− 3	−33	−11	− 7	+ 5	+ 8	+ 4	+34	+ 0	− 8	1	1.56
77003	15 43 23.97	+47 46 06.2	8.29	H	235.849 882 23	+47.768 400 31		2.84	−12.04	0.24	0.64	0.66	0.77	0.62	0.66	+15	−16	+17	−25	−12	− 5	−13	− 6	+15	+13	0	0.54
77004	15 43 24.34	−39 59 09.6	9.98	H	235.851 417 08	−39.985 999 85		7.13	−46.55	−19.88	1.42	1.22	1.69	1.78	1.71	−32	− 7	−25	+30	−18	+ 7	−16	+50	−16	−31	0	−1.61
*77005	15 43 24.68	−51 57 22.7	9.68	2 H	235.852 835 45	−51.956 293 60		3.18	−9.26	−7.81	2.20	1.51	2.36	3.37	2.57	+33	− 6	−19	+39	+31	+ 3	+30	+38	+18	+52	0	−0.41
*77006 H	15 43 24.64	−41 44 09.8	9.58	H	235.852 657 87	−41.736 043 27	A	8.12	−38.84	16.76	2.83	1.77	2.60	3.02	2.21	− 8	− 3	− 7	+37	+14	+ 6	+23	+29	−16	+ 4	1	−0.65
77007	15 43 24.86	−15 02 34.8	6.30	G	235.853 589 92	−15.042 998 44		7.94	−3.94	−95.38	0.82	0.57	0.89	0.92	0.81	−22	−31	− 8	+22	−20	+21	−15	+44	− 7	−30	2	1.73
77008	15 43 25.40	−03 56 20.5	9.55	H	235.855 853 97	−03.939 036 06		2.33	3.56	−20.82	1.34	0.84	1.57	2.04	1.38	−24	−31	− 6	−10	− 8	+ 7	−14	+ 0	+15	− 9	2	0.96
77009	15 43 26.09	+72 53 40.5	9.30	H	235.858 724 29	+72.894 587 72		2.57	4.57	−9.57	0.91	0.88	1.00	0.83	1.03	+10	−39	−21	−16	− 7	+14	− 6	−12	+ 1	− 2	0	0.86
77010	15 43 26.36	−30 32 05.9	7.44	H	235.859 830 66	−30.534 971 93		1.33	−4.10	−7.50	0.86	0.54	0.98	0.73	0.68	−13	−55	−12	+ 2	−12	+13	− 1	+25	−13	−35	6	1.28
77011	15 43 26.44	+17 07 27.2	9.95	2 H	235.860 169 90	+17.124 217 31		5.22	−19.22	8.32	2.78	2.66	3.56	2.70	3.11	−20	−17	− 5	−43	−13	+ 6	−15	−12	+12	−34	2	
77012	15 43 26.92	−51 57 52.3	8.72	1 G	235.862 187 40	−51.964 516 49		−0.14	−3.50	0.35	1.59	1.04	1.71	2.29	1.72	+25	−17	−26	+37	+28	− 6	+26	+36	+12	+38	0	0.34
77013	15 43 27.06	+82 56 50.1	7.45	H	235.862 755 99	+82.947 263 23		6.86	10.71	−1.00	0.46	0.50	0.56	0.47	0.59	+11	−22	−15	−13	+ 8	− 4	+10	− 5	+ 0	− 4	0	−1.00
77014	15 43 27.10	+29 41 55.4	8.26	H	235.862 904 53	+29.698 724 74		6.96	36.31	−25.55	0.53	0.66	1.05	0.50	0.71	+30	−11	− 9	−16	+ 3	− 8	+ 8	+ 6	−15	+17	0	−0.49
77015	15 43 29.88	−38 57 38.3	9.66	H	235.874 490 72	−38.960 636 27		9.31	−20.54	−31.65	1.33	0.85	1.54	1.56	1.19	− 3	−20	−19	+18	+12	−10	+15	+27	−20	+ 0	0	1.84
77016	15 43 30.63	+46 54 13.5	8.38	G	235.877 642 11	+46.903 744 88		2.48	−27.91	53.16	0.63	0.65	0.74	0.76	0.72	+ 5	+ 7	+ 3	−16	−13	− 2	−10	+ 1	+ 5	− 5	0	−0.44
77017	15 43 31.81	−70 15 59.9	7.68	H	235.882 549 39	−70.266 648 06		5.54	9.73	−28.50	0.46	0.57	0.79	0.51	0.67	+23	−21	−14	+ 4	+10	− 8	+11	+28	−14	+25	0	0.29
77018	15 43 32.74	−54 03 20.5	9.92	G	235.886 401 56	−54.055 691 73		0.79	−9.82	−8.90	1.22	1.04	1.68	1.39	1.42	− 2	−34	−24	+12	+18	−26	+15	+14	− 9	+14	0	−0.18
77019	15 43 32.78	−10 07 25.5	7.77	H	235.886 566 37	−10.123 756 24		17.45	−56.08	66.16	0.87	0.54	0.99	1.00	0.74	− 6	−43	−17	+10	− 8	+22	+ 2	+18	−13	−15	0	1.82
77020	15 43 32.86	−45 47 09.3	9.78	H	235.886 909 39	−45.785 904 54		1.40	−6.41	−11.06	1.35	1.16	1.78	1.64	1.60	−16	−23	−12	+11	− 7	−15	− 8	+40	−11	−12	0	0.37
77021	15 43 33.05	+22 55 15.5	7.22	H	235.887 700 12	+22.920 969 18		14.84	35.85	−192.80	0.44	0.52	0.81	0.53	0.59	−24	− 3	+ 9	+50	−26	+ 4	−25	+24	− 8	−23	1	0.11
77022	15 43 33.36	−78 42 47.2	9.12	H	235.888 999 44	−78.713 113 88		3.65	7.20	2.37	0.72	0.80	0.99	0.74	0.96	+ 8	−28	− 1	+ 2	− 3	− 7	− 8	+20	+ 8	+16	1	0.81
77023	15 43 33.60	−37 10 10.1	8.54	2 H	235.890 010 30	−37.169 485 94	*	2.83	14.21	−0.02	1.26	0.80	1.50	1.32	1.26	−33	−52	+ 7	− 6	− 4	+ 7	+ 6	+21	−18	−44	0	0.48
77024	15 43 34.17	−61 13 24.4	9.87	H	235.892 380 92	−61.223 447 44		8.29	−28.29	−62.38	1.54	1.56	2.08	1.95	2.20	+ 2	− 9	− 3	+59	+19	−31	+25	+55	− 5	− 6	0	−0.23
77025	15 43 35.23	+08 37 14.0	8.34	H	235.896 790 44	+08.620 545 76		3.27	−18.33	−0.30	0.99	0.78	1.10	1.20	0.95	−27	−34	− 8	+ 9	−19	−19	−21	+18	− 1	−20	0	0.72
77026	15 43 36.66	−09 52 45.9	10.06	G	235.902 747 32	−09.879 420 71		−0.75	−12.02	−9.72	1.53	0.88	1.55	1.83	1.30	+ 8	−26	− 9	+25	+ 9	+14	+12	+16	− 3	+ 0	0	1.41
77027	15 43 36.77	−01 42 37.7	10.48	3 H	235.903 217 91	−01.710 484 83	*	−3.78	−2.89	7.39	1.77	1.19	2.74	2.64	1.90	−18	−18	−19	+ 0	−15	+23	−14	+ 8	− 5	− 2	0	−0.84
77028	15 43 37.06	+45 53 08.0	8.49	H	235.904 415 77	+45.885 549 48		1.87	−11.25	20.32	0.65	0.70	0.80	0.67	0.76	+ 4	−16	+ 2	−15	− 2	+ 6	+ 0	− 3	− 7	+ 1	0	0.34
77029	15 43 40.34	−57 27 07.3	7.24	H	235.918 102 55	−57.452 033 72		0.03	−1.96	−1.80	0.65	0.63	0.81	0.83	0.80	+ 5	−11	−24	+31	− 3	+ 8	+ 1	+47	−14	− 3	0	1.17
77030 H	15 43 40.50	−05 41 57.7	9.66	G	235.918 768 59	−05.699 366 98	A	8.57	−39.31	1.08	3.05	1.91	3.12	3.48	2.88	−30	−11	− 6	+ 4	−15	− 6	−11	+ 4	− 8	−12	1	−0.21
77031	15 43 42.32	+67 30 06.2	8.82	H	235.926 353 88	+67.501 730 05		4.06	0.11	27.16	0.67	0.70	0.78	0.75	0.80	− 0	− 1	+ 2	− 3	− 1	+18	− 3	+15	−25	−14	1	−0.26
77032	15 43 42.38	+77 59 45.3	8.79	H	235.926 569 28	+77.995 903 02		1.02	−13.16	7.97	0.70	0.65	0.73	0.69	0.76	+ 4	−16	−24	−17	− 3	+ 4	+ 1	+14	+ 0	− 9	4	0.60
77033	15 43 45.00	−09 18 55.4	7.67	G	235.937 486 18	−09.315 387 06		13.28	−12.31	−18.67	0.88	0.56	0.92	1.05	0.79	− 4	−31	−12	+24	+ 0	+ 4	+ 5	+21	−10	−12	0	1.10
77034	15 43 46.38	+02 26 23.9	7.16	H	235.943 259 91	+02.439 974 95		5.64	3.09	−11.02	0.81	0.59	0.96	1.06	0.83	−12	−27	−19	+ 8	− 2	+ 5	+ 4	− 3	−10	− 5	4	0.19
77035	15 43 47.07	+68 20 53.0	8.25	H	235.946 133 35	+68.348 045 13		4.32	32.61	−31.43	0.62	0.63	0.69	0.63	0.68	+ 9	−15	− 9	− 9	− 2	−12	+ 1	+18	−24	+10	3	−0.51
*77036	15 43 47.63	−17 48 10.8	9.78	H	235.948 475 13	−17.803 005 36		0.31	−12.81	−3.84	1.40	0.86	1.55	1.67	1.13	−15	−20	−12	− 9	+ 0	+ 3	+ 2	− 1	−12	− 7	0	0.36
*77037	15 43 47.63	+58 01 27.2	9.32	2 H	235.948 453 25	+58.024 227 11		3.01	4.86	6.74	0.82	0.80	0.91	0.92	0.93	− 8	− 3	− 6	− 7	−20	−13	−15	+25	+ 6	−31	0	0.77
77038	15 43 47.65	−35 28 29.9	9.15	H	235.948 555 18	−35.474 971 04		7.80	−20.10	−22.39	1.21	0.84	1.53	1.61	1.23	−31	+ 7	−33	−11	+18	−39	+ 9	+10	+ 8	−34	0	−1.32
77039	15 43 50.76	−66 31 13.8	8.18	G	235.961 491 91	−66.520 494 39		5.75	35.94	−16.15	0.54	0.70	1.05	0.57	0.82	+13	−10	+10	−19	−14	− 2	−20	+19	+ 4	+27	1	−0.16
77040	15 43 53.57	+24 57 45.6	8.22	H	235.973 210 66	+24.962 674 79		1.90	−29.21	−21.99	0.65	0.72	1.09	0.78	0.86	− 7	+ 4	−19	+19	−33	+ 3	−34	+12	+ 0	−11	0	−0.79
77041	15 43 54.84	+12 49 06.1	8.14	H	235.978 498 44	+12.818 360 83		−1.07	− 6.18	10.95	1.07	0.84	1.27	1.32	1.12	−22	−39	+14	+13	−20	−41	−17	+18	+12	−32	0	−1.05
77042	15 43 55.28	−60 17 13.9	6.46	H	235.980 331 74	−60.287 204 96		2.42	− 3.36	− 5.03	0.55	0.55	0.77	0.65	0.75	+ 1	−11	−17	+48	+31	−28	+34	+27	+ 7	+ 0	2	−0.55
77043	15 43 55.75	+02 28 01.6	9.05	H	235.982 306 33	+02.467 109 87		3.17	− 2.02	−23.41	1.15	0.81	1.38	1.52	1.16	−12	−30	−16	+ 1	− 8	+ 9	− 1	+ 1	−16	− 5	4	0.44
77044	15 43 57.15	−16 52 09.3	7.28	H	235.988 107 93	−16.869 242 03		4.62	− 0.15	12.74	0.92	0.59	1.01	1.00	0.83	−20	−27	−10	+16	− 9	+13	− 3	+28	−17	−20	0	−0.39
77045 H	15 43 57.94	+22 20 23.2	8.10	2 G	235.991 414 13	+22.339 788 77	A	7.46	−12.70	−22.29	2.02	1.93	2.19	1.67	1.56	−27	+ 1	−13	+33	−21	+17	−13	+10	− 2	−24	3	0.52
77046	15 43 58.12	+35 25 48.0	8.79	H	235.992 161 57	+35.430 005 95		0.45	−12.78	0.43	0.74	0.79	1.09	0.78	0.89	+19	+ 0	− 5	− 2	+ 6	+15	+10	+10	+10	− 3	0	−0.14
77047	15 43 58.89	+07 36 19.4	8.33	H	235.995 386 85	+07.605 393 55		3.10	25.29	−12.93	0.92	0.72	1.02	1.12	1.00	−18	−26	−13	+27	−21	−10	−26	+27	+15	−23	2	0.46
77048	15 43 59.32	+32 30 57.0	5.57	H	235.997 168 49	+32.515 828 04		13.11	−28.80	− 8.69	0.38	0.45	0.58	0.44	0.54	+21	− 2	+ 5	− 8	− 2	− 1	− 2	− 6	− 7	+23	0	0.33
77049	15 43 59.34	−71 42 16.8	10.08	2 H	235.997 245 28	−71.704 673 84		18.12	−127.35	−88.19	3.66	4.15	5.74	3.66	5.13	+21	−19	−16	−12	− 1	− 9	+ 0	+ 5	−10	+14	0	
77050	15 44 00.85	+15 33 44.0	8.68	H	236.003 557 27	+15.562 234 61		6.48	−19.90	18.02	1.28	0.98	1.30	1.47	1.48	−29	−35	− 2	+54	−32	− 2	−38	+37	+ 6	−50	0	0.83
77051 H	15 44 01.13	−39 05 41.1	9.14	H	236.004 694 69	−39.094 757 76	A	6.79	−28.92	−39.98	3.60	2.18	3.27	3.74	2.55	+ 9	−21	−13	+18	+18	− 6	+20	+26	−19	+32	0	0.91
77052	15 44 01.85	+02 30 55.9	5.86	G	236.007 691 28	+02.515 525 06		68.16	−44.96	−144.73	0.75	0.55	0.87	0.95	0.78	−12	−31	−13	+16	+ 7	− 6	+ 9	− 8	+ 1	− 5	2	0.11
77053	15 44 01.85	+39 34 25.9	7.55	2 H	236.007 699 91	+39.573 861 72		2.88	−17.90	− 0.09	0.56	0.57	0.74	0.70	0.73	+10	− 4	+13	+ 3	+13	+ 5	+14	+ 9	−11	− 7	0	1.00
77054	15 44 03.39	−42 16 10.9	10.35	H	236.014 106 98	−42.269 689 18		3.02	−17.77	− 1.92	1.43	1.15	1.81	1.92	1.69	−10	−12	−13	+27	+ 1	+15	+ 6	+44	−19	+10	0	0.15
77055	15 44 03.46	+77 47 40.2	4.29	H	236.014 433 12	+77.794 499 01		8.68	20.07	− 2.50	0.42	0.43	0.47	0.40	0.48	+ 3	−28	−11	− 4	+ 0	− 1	+ 3	+18	− 7	− 3	1	1.21
77056	15 44 03.62	−51 54 17.0	7.23	G	236.015 077 02	−51.904 711 95		1.52	− 2.41	− 7.33	0.78	0.59	0.90	1.16	0.95	+ 4	+ 4	− 9	+32	+16	+ 4	+17	+35	+24	+12	0	−1.25
77057	15 44 03.74	−32 19 11.1	7.94	H	236.015 593 97	−32.319 737 80		1.77	−31.49	−13.04	0.95	0.66	1.09	1.01	0.95	− 7	−31	−23	+ 9	− 8	− 2	− 5	+17	−12	−25	2	−0.30
77058	15 44 03.85	−54 59 12.4	8.43	3 T	236.016 041 26	−54.986 782 25		0.63	− 7.21	−10.56	0.95	0.82	1.23	1.36	1.34	+12	−10	−11	−29	− 8	+ 1	−18	− 2	+15	+38	0	−0.08
77059	15 44 04.10	−31 36 11.3	6.62	H	236.017 070 89	−31.603 131 95		12.70	3.25	−83.98	0.80	0.55	0.88	0.96	0.73	− 5	−20	−10	+34	− 1	+32	+ 4	+38	− 2	− 9	0	1.25
77060	15 44 04.42	−15 40 21.6	5.41	G	236.018 418 29	−15.672 679 49		22.21	−34.49	−63.48	0.81	0.52	0.86	0.84	0.74	−19	−35	+ 2	+24	−14	+13	−14	+41	+ 4	−25	2	0.34
77061	15 44 05.52	+45 18 57.6	8.30	G	236.022 992 41	+45.315 986 57		12.59	−48.72	31.56	0.66	0.62	0.76	0.69	0.68	+ 7	+ 0	− 5	− 8	+12	− 3	+14	+10	− 5	− 2	0	0.61
77062	15 44 05.81	+52 54 19.1	7.73	H	236.024 206 12	+52.905 314 65		4.61	−50.35	48.45	0.59	0.62	0.68	0.67	0.77	+12	−15	−19	+ 5	+12	− 8	+13	− 7	+ 0	+27	0	1.01
77063	15 44 05.97	+24 27 37.3	7.32	H	236.024 869 62	+24.460 374 66		2.67	−37.09	8.99	0.52	0.54	0.86	0.63	0.64	− 6	− 8	−18	+24	−29	+ 6	−31	+14	+ 8	+ 1	0	0.82
77064	15 44 07.14	−30 42 41.0	7.42	H	236.029 757 11	−30.711 401 26		−0.09	−19.31	− 0.62	0.97	0.59	1.09	0.81	0.69	+ 0	−55	−22	+ 5	− 8	+ 8	+ 2	+22	−12	−24	3	1.99
77065	15 44 08.24	+42 43 11.6	8.57	H	236.034 322 73	+42.719 889 97		5.65	−35.25	9.99	0.65	0.77	0.85	0.74	0.90	+ 4	−16	− 1	− 4	−18	+13	−17	+20	+ 7	− 5	0	0.24
77066	15 44 09.71	+50 54 28.1	8.69	H	236.040 440 85	+50.907 810 94		2.35	3.51	− 3.89	0.77	0.72	0.85	0.87	0.87	+14	−12	−12	+ 5	+13	−12	+11	+ 2	+ 8	+ 5	1	0.30
77067	15 44 10.38	−50 12 56.3	6.83	H	236.043 232 03	−50.215 643 90		10.40	− 3.47	−34.16	0.69	0.56	0.91	0.81	0.72	− 3	−31	−22	+ 4	+ 7	+11	+ 9	+18	− 3	−17	0	1.71
77068	15 44 10.40	−52 58 23.4	8.33	H	236.043 335 79	−52.973 171 69		2.73	−28.04	−19.41	0.89	0.83	1.24	1.05	1.10	+10	−11	−32	+15	+ 8	−22	+ 3	+22	−10	− 1	0	0.59
77069	15 44 11.67	−75 48 15.5	9.24	H	236.048 617 14	−75.804 317 60		1.64	− 6.77	−23.34	0.72	1.03	1.16	0.83	1.30	+11	−22	+19	−16	+10	+ 6	+ 2	+10	+24	+26	0	0.74
*77070	15 44 16.00	+06 25 31.9	2.63	H	236.066 649 14	+06.425 519 71		44.54	134.66	44.14	0.68	0.50	0.71	0.78	0.63	−17	−30	−13	+40	−23	+ 8	−14	+38	−23	−17	2	−0.14
*77071	15 44 15.95	−11 57 50.9	9.70	G	236.066 477 75	−11.964 125 32		7.16	6.84	−31.54	1.48	0.81	1.62	1.42	1.17	− 1	−53	−19	+23	− 6	+ 8	+ 8	+30	−19	−25	0	0.51
77072	15 44 16.22	−56 09 55.3	7.06	H	236.067 603 00	−56.165 368 98		4.88	− 8.31	−15.31	0.63	0.55	0.77	0.79	0.70	+ 7	−15	− 6	+ 6	− 4	−11	− 5	+36	− 2	+10	0	0.36
77073 H	15 44 16.66	−54 19 14.9	7.66	G	236.069 397 80	−54.320 814 60	A	4.96	−17.37	−16.62	1.39	1.76	1.79	1.58	1.62	+22	−14	−26	+22	+16	−28	+18	+12	−17	+43	1	−0.90
77074	15 44 16.98	−35 16 43.6	8.56	H	236.070 735 97	−35.278 786 63		2.02	0.22	1.85	1.08	0.75	1.37	1.45	1.15	−37	+ 7	−25	− 5	+19	−27	+18	+13	+ 7	−35	0	0.93
77075	15 44 17.09	−57 06 44.9	8.20	G	236.071 196 48	−57.112 469 82		4.54	− 9.45	− 7.24	1.14	0.95	1.14	1.40	1.19	+43	−29	−21	+42	+41	− 7	+38	+50	− 6	+25	0	1.09
77076	15 44 17.22	−09 53 50.7	9.25	G	236.071 761 29	−09.897 428 69		4.79	−10.73	− 3.99	1.23	0.72	1.26	1.53	1.01	+ 7	−17	−16	+29	+ 6	+21	+12	+16	− 5	+ 2	0	0.65
77077	15 44 17.69	−24 23 43.5	7.59	G	236.073 697 12	−24.395 403 42		7.01	−51.76	− 2.70	0.97	0.57	1.07	1.05	0.79	− 4	−42	−20	+12	−13	+13	− 7	+28	−10	− 7	0	0.91
77078	15 44 19.28	+26 15 57.2	9.74	H	236.080 325 22	+26.265 900 73		0.36	−14.98	− 6.68	1.14	1.02	1.54	1.18	1.12	+ 8	−19	− 6	+58	+ 1	− 2	− 1	+ 8	− 1	+ 2	0	2.73
77079	15 44 19.62	−50 00 08.9	10.61	H	236.081 768 84	−50.002 461 41		6.86	− 4.49	−24.00	1.91	1.61	2.42	2.09	1.91	+ 1	−28	−24	+15	+17	−10	+15	+25	− 4	+ 7	0	0.75
77080	15 44 20.78	−03 00 44.3	8.89	H	236.086 598 17	−03.012 317 98		3.55	− 1.19	3.48	1.19	0.70	1.21	1.38	0.98	−16	−21	+ 1	+43	− 6	+16	− 1	+26	− 7	− 3	2	0.34
77081	15 44 21.07	−33 18 54.7	9.69	H	236.087 772 93	−33.315 195 14		6.63	−19.10	−29.54	1.43	0.94	1.61	1.78	1.37	−11	−13	−18	−31	− 2	−16	− 7	− 4	− 9	− 4	0	1.16
77082	15 44 21.20	−22 22 41.5	9.87	H	236.088 323 12	−22.378 197 67		11.67	78.49	−97.38	5.27	2.48	2.77	5.36	3.21	+85	−36	−34	−87	−82	+21	−81	−77	− 3	+85	0	−1.04
77083 H	15 44 21.76	+15 17 59.4	8.20	G	236.090 676 57	+15.299 842 49	A	21.23	67.87	−47.55	1.72	1.30	1.56	1.87	1.90	−21	−43	− 8	+43	−33	−13	−43	+28	+25	−44	2	−0.12
77084	15 44 21.88	+52 59 00.3	7.36	H	236.091 176 14	+52.983 423 91		23.74	−245.91	59.11	0.53	0.58	0.65	0.62	0.70	+16	−19	−30	+ 3	+ 6	−11	+ 1	− 5	+ 9	+21	1	1.45
77085	15 44 22.25	+58 47 33.7	9.95	H	236.092 721 26	+58.792 706 13		1.47	−12.24	1.01	0.91	0.88	1.00	0.92	1.02	+ 5	+ 9	− 7	−23	−17	− 2	−13	+ 2	+ 1	−20	0	−0.69
77086 H	15 44 22.69	−41 49 08.5	5.93	1 G	236.094 533 94	−41.819 018 26	A	7.07	−17.70	−28.98	0.84	0.73	0.95	0.86	0.84	−44	+ 1	−30	+10	+ 1	− 2	−10	+38	−22	+ 1	1	0.50
77087	15 44 22.94	−27 27 23.6	9.31	H	236.095 595 08	−27.456 564 25		4.11	−13.34	−43.38	1.22	0.75	1.32	1.46	1.25	−14	+ 4	−16	−28	+ 4	−16	+ 2	−10	− 2	−30	0	0.74
77088	15 44 23.10	−70 17 36.9	8.17	H	236.096 268 58	−70.293 578 55		10.29	69.03	38.93	0.53	0.66	0.89	0.59	0.77	+22	−19	− 3	+10	+13	− 7	+13	+31	−10	+26	0	0.21
77089	15 44 26.31	−03 50 18.2	8.46	H	236.109 634 71	−03.838 391 40		10.80	−27.16	−30.22	1.03	0.75	1.15	1.30	0.94	−36	−23	− 9	+17	−15	+16	−10	+21	−14	−20	4	0.73
77090	15 44 27.34	−68 22 02.5	9.08	H	236.113 924 69	−68.367 363 73		1.36	− 2.26	− 6.87	0.60	0.81	1.15	0.73	1.07	+35	−13	+11	+18	+18	−15	+19	+27	−15	+56	2	0.23
77091	15 44 28.77	+37 32 05.7	8.35	H	236.119 867 80	+37.534 922 02		3.49	−16.06	0.58	0.68	0.75	0.97	0.75	0.83	+13	−11	+21	+ 7	+19	− 7	+21	+11	− 4	+14	1	1.24
77092	15 44 29.35	+16 30 37.3	7.48	H	236.122 286 85	+16.510 371 13		4.63	−10.73	− 4.55	0.76	0.80	1.06	0.86	1.30	−33	−20	− 6	−10	−33	+23	−33	+24	− 8	−60	2	−0.31
77093	15 44 29.93	+08 50 56.7	8.52	H	236.124 728 81	+08.849 081 77		2.50	8.79	−10.67	1.09	0.84	1.43	1.51	1.17	+ 8	−41	−39	− 3	+16	−37	− 9	−22	+28	−30	0	−0.70
77094	15 44 30.27	+03 22 12.6	7.26	H	236.126 135 38	+03.370 165 24		16.90	−82.96	−50.99	0.86	0.68	0.97	1.07	0.87	−31	−20	−21	+37	−18	+ 4	−17	+ 7	+ 6	−34	0	0.88
77095	15 44 30.62	+10 49 26.7	8.47	H	236.127 571 53	+10.824 069 66		3.95	0.83	− 9.58	1.09	0.86	1.32	1.40	1.26	+ 3	−32	−35	+22	+28	−38	+ 4	−28	+24	−34	0	1.64
77096	15 44 30.85	−50 03 31.3	10.38	H	236.128 557 25	−50.058 687 45		0.99	− 6.48	− 6.95	1.84	1.42	2.22	1.97	1.73	+ 4	−31	−20	+20	+21	− 4	+19	+25	+ 3	+15	0	2.01
77097	15 44 31.48	−08 03 12.9	9.89	G	236.131 159 90	−08.053 576 40		7.36	−38.85	− 5.75	1.61	0.87	1.74	2.39	1.50	−10	−34	+ 5	−16	−18	−13	−

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
77001	8.895	0.020	7.086	0.010		1.506	0.018	T	1.54	0.03	L	7.0614	0.0018	0.011	51		7.04	7.09		C			1							S
77002	8.930	0.013	8.367	0.012	A	0.700	0.600	G	0.61	0.03	L *	8.3949	0.0020	0.016	116	*	8.38	8.42			15433+8120	I 1	2 C B	AB	345	5.093	0.043	3.39	0.17	
77003	9.783	0.017	8.411	0.010		1.161	0.015	T	1.12	0.01	L	8.4575	0.0011	0.016	144		8.44	8.49		C			1							
77004	10.763	0.049	9.997	0.040		0.682	0.048	T	0.74	0.04	L	10.1179	0.0034	0.032	92		10.08	10.17					1							G
77005	11.054	0.090	9.674	0.043							T	9.8208	0.0045	0.034	65		9.73	9.87		U	15434−5158	I 2	1							D
77006	9.590	0.045	8.930	0.034	*	0.602	0.042	T	0.67	0.04	L *	9.7155	0.0029	0.022	89	*	9.68	9.75		D	15434−4144	I 1	2 C A	AB	127	1.580	0.007	0.48	0.02	G
77007	7.733	0.008	6.429	0.006		1.124	0.009	G	1.04	0.04	E	6.4661	0.0013	0.008	77		6.45	6.48					1							S
77008	11.141	0.072	9.756	0.036		1.172	0.063	T	1.13	0.06	L	9.7220	0.0034	0.027	74		9.67	9.77					1							
77009	10.520	0.040	9.357	0.024		0.998	0.036	T	0.98	0.03	L	9.4693	0.0026	0.022	94		9.44	9.51					1							
77010	7.550	0.007	7.446	0.009		0.094	0.010	T	0.11	0.01	L	7.4770	0.0013	0.009	77		7.46	7.49					1							S
77011	11.456	0.076	10.078	0.035		1.166	0.066	T	1.13	0.06	L	10.1145	0.0037	0.035	119		10.04	10.17		U			1 X							
77012	10.702	0.064	8.886	0.023		1.497	0.003	G	1.52	0.00	H	8.8583	0.0026	0.024	58		8.82	8.90		U	15434−5158	I 2	1							
77013	7.722	0.008	7.470	0.007		0.240	0.010	T	0.27	0.01	L	7.5215	0.0011	0.010	122		7.50	7.54		C			1							S
77014	8.809	0.009	8.306	0.008		0.473	0.011	T	0.54	0.01	L	8.3629	0.0012	0.018	221		8.33	8.40					1							S
77015	10.407	0.032	9.739	0.028		0.608	0.032	T	0.68	0.03	L	9.7914	0.0025	0.024	89		9.76	9.84		C			1							G
77016	8.433	0.010	8.395	0.012		0.050	0.015	G	0.06	0.01	H	8.4079	0.0017	0.015	110		8.38	8.43		C			1							S
77017	7.713	0.006	7.673	0.007		0.036	0.008	T	0.05	0.01	L	7.6967	0.0012	0.014	182		7.67	7.72					1							S
77018	10.215	0.032	9.849	0.036		0.270	0.020	G	0.30	0.03	H	10.0136	0.0024	0.025	75		9.97	10.06		D			1							G
77019	8.332	0.012	7.827	0.011		0.498	0.006	G	0.57	0.01	H	7.8758	0.0014	0.010	79		7.86	7.89		C			1							S
77020	11.043	0.064	9.847	0.036		1.024	0.057	T	1.00	0.05	L	9.9548	0.0038	0.028	76		9.91	10.01					1							G
77021	7.836	0.006	7.286	0.005		0.521	0.006	T	0.59	0.01	L	7.3374	0.0007	0.009	179		7.32	7.35		C			1							S
77022	9.778	0.019	9.193	0.018		0.546	0.023	T	0.62	0.02	L	9.2424	0.0016	0.019	136		9.20	9.27		C			1							
77023	10.490	0.041	8.771	0.017		1.462	0.037	T	4.20	0.05	O	7.8970	0.0144	0.154	93		7.68	8.12		U 2			1 V							
77024	10.664	0.039	9.923	0.033		0.663	0.039	T	0.72	0.03	L	10.0025	0.0039	0.028	114		9.95	10.04					1							G
77025	9.872	0.031	8.490	0.017		1.169	0.028	T	1.13	0.03	L	8.5080	0.0030	0.019	66		8.47	8.54					1							S
77026	10.672	0.049	10.158	0.049		0.519	0.015	G	0.59	0.02	H	10.1787	0.0030	0.023	78		10.12	10.22		C			1							
77027	11.666	0.124	10.336	0.063		1.142	0.115	T	4.62	0.96	Q	9.6027	0.0809	0.864	76		8.44	10.42	404.00	P 1 B			1 V							G P
77028	10.161	0.024	8.587	0.012		1.320	0.021	T	1.28	0.02	L	8.6462	0.0017	0.016	128		8.62	8.67		C			1							
77029	7.738	0.008	7.298	0.008		0.415	0.010	T	0.48	0.01	L	7.3360	0.0010	0.010	91		7.32	7.35					1							S
77030	9.664	0.043	9.058	0.037	*	0.722	0.015	G	0.77	0.01	H *	9.8213	0.0018	0.019	96	*	9.78	9.86		D	15437−0542	I 1	2 C A	AB	336	1.604	0.005	0.19	0.02	
77031	10.111	0.024	8.914	0.015		1.025	0.022	T	1.00	0.02	L	8.9852	0.0023	0.016	112		8.94	9.01					1 G							
77032	10.731	0.075	8.958	0.029		1.477	0.064	T	1.49	0.10	L	8.9237	0.0016	0.015	116		8.89	8.95		C			1 S							
77033	8.088	0.010	7.694	0.009		0.389	0.003	G	0.45	0.00	H	7.7511	0.0014	0.011	81		7.73	7.77		C			1							S
77034	8.499	0.016	7.279	0.008		1.043	0.014	T	1.01	0.01	L	7.3239	0.0013	0.009	75		7.31	7.34		C	15439+0230	I 3	1							S
77035	9.661	0.018	8.385	0.011		1.086	0.016	T	1.05	0.01	L	8.4203	0.0013	0.014	115		8.39	8.46					1							S
77036	11.270	0.083	9.922	0.040		1.143	0.072	T	1.11	0.07	L	9.9527	0.0023	0.020	79		9.90	9.99					1							
77037	9.442	0.016	9.379	0.021		0.063	0.025	T	0.07	0.03	L	9.3442	0.0105	0.097	97		9.28	9.56	0.82	P 1 A			1							
77038	9.727	0.021	9.231	0.021		0.478	0.023	T	0.55	0.02	L	9.2594	0.0020	0.020	100		9.22	9.31		C			1							
77039	8.790	0.010	8.232	0.009		0.522	0.004	G	0.59	0.00	H	8.2988	0.0016	0.016	176		8.27	8.33		C			1							
77040	10.132	0.026	8.373	0.012		1.466	0.023	T	1.48	0.03	L	8.3490	0.0018	0.019	131		8.31	8.37					1							S
77041	10.138	0.034	8.307	0.015		1.480	0.020	G	1.44	0.06	L	8.2780	0.0026	0.018	65		8.25	8.31					1							
77042	7.776	0.007	6.585	0.004		1.020	0.006	T	0.99	0.01	L	6.6263	0.0010	0.008	122		6.61	6.64		C			1							S
77043	11.135	0.073	9.210	0.024		1.598	0.061	T	1.62	0.06	L	9.1715	0.0026	0.017	75		9.10	9.20			15439+0230	I 3	1							
77044	9.191	0.016	7.441	0.008		1.449	0.020	G	1.45	0.03	H	7.4167	0.0012	0.009	93		7.40	7.43		C			1							S
77045	8.916	0.012	8.212	0.011	*	0.671	0.015	G	0.73	0.01	H *	8.2234	0.0023	0.026	128	*	8.19	8.37		U 2 C	15440+2220	I 1	2 C A	AB	273	0.395	0.003	0.56	0.02	S P
77046	10.501	0.031	8.950	0.015		1.302	0.027	T	1.26	0.03	L	8.9439	0.0020	0.023	136		8.91	8.98			15440+3526	I 1	1							
77047	8.437	0.013	8.346	0.015		0.089	0.019	T	0.10	0.02	L	8.3638	0.0015	0.013	64		8.34	8.40					1							S
77048	6.955	0.004	5.692	0.002		1.076	0.003	T	1.04	0.00	L	5.7386	0.0005	0.006	181		5.73	5.76		C			1							S
77049	11.161	0.049	10.164	0.033		0.860	0.046	T	0.90	0.05	L	10.2239	0.0034	0.041	166		10.12	10.28		U			1 X							G
77050	9.172	0.021	8.705	0.021		0.440	0.027	T	0.51	0.03	L	8.7777	0.0034	0.021	62		8.75	8.82					1							
77051	9.343	0.024	8.796	0.022	*	0.519	0.025	T	0.59	0.03	L *	9.2489	0.0030	0.021	92	*	9.21	9.28		D	15440−3906	I 1	2 C A	AB	209	2.183	0.005	0.08	0.02	
77052	6.708	0.005	5.947	0.005		0.684	0.002	G	0.74	0.02	A	5.9983	0.0011	0.007	71		5.98	6.01		D	15439+0230	I 3	1							S
77053	9.567	0.016	7.739	0.008		1.552	0.015	T	1.96	0.05	O	7.6316	0.0021	0.022	122		7.59	7.66		U 2			1							S
77054	10.940	0.052	10.306	0.046		0.110	0.020	G	0.12	0.02	H	10.3955	0.0032	0.025	95		10.35	10.44		C			1							G
77055	4.342	0.002	4.288	0.002		0.038	0.005	G	0.05	0.03	C	4.3064	0.0003	0.004	120		4.30	4.32					1							S
77056	7.188	0.008	7.217	0.006		−0.024	0.007	G	0.00	0.01	H	7.2191	0.0017	0.011	68		7.20	7.24					1							S
77057	9.979	0.033	8.109	0.014		1.554	0.028	T	1.57	0.03	L	8.0525	0.0022	0.016	75		8.03	8.08					1							
77058	10.240	0.049	8.582	0.021		1.386	0.042	T	1.36	0.05	L	8.8364	0.2610	1.418	59		6.95	10.36	240.00	P 1 B			1							G P
77059	7.847	0.009	6.731	0.005		0.962	0.008	T	0.95	0.01	L	6.7878	0.0008	0.009	76		6.77	6.81		C			1							S
77060	5.700	0.004	5.445	0.004		0.238	0.007	G	0.23	0.03	C	5.4768	0.0009	0.007	75		5.47	5.49					1							S
77061	9.328	0.016	8.421	0.012		0.820	0.015	G	0.84	0.01	H	8.4610	0.0013	0.015	114		8.44	8.49					1							S
77062	9.358	0.016	7.859	0.009		1.261	0.014	T	1.22	0.01	L	7.8872	0.0013	0.011	112		7.87	7.91					1							S
77063	7.565	0.006	7.341	0.007		0.214	0.009	T	0.24	0.01	L	7.3848	0.0011	0.011	124		7.37	7.41					1 G							S
77064	9.443	0.020	7.617	0.009		1.519	0.017	T	1.55	0.03	L	7.5450	0.0017	0.014	69		7.53	7.57					1							S
77065	9.022	0.012	8.611	0.012		0.389	0.016	T	0.45	0.02	L	8.6638	0.0017	0.016	127		8.64	8.69		C			1							S
77066	10.055	0.024	8.775	0.015		1.089	0.022	T	1.05	0.02	L	8.8597	0.0020	0.019	117		8.83	8.90		C			1							
77067	7.236	0.006	6.863	0.005		0.353	0.007	T	0.41	0.01	L	6.9122	0.0016	0.010	91		6.89	6.93			15442−5013	I 1	1 G							S
77068	9.797	0.022	8.452	0.013		1.140	0.020	T	1.10	0.02	L	8.4978	0.0021	0.016	87		8.47	8.53		C			1							
77069	10.641	0.035	9.335	0.019		1.110	0.031	T	1.07	0.03	L	9.4046	0.0021	0.023	127		9.36	9.45					1							
77070	4.165	0.003	2.764	0.003		1.167	0.015	G	1.09	0.02	A	2.7971	0.0004	0.003	67		2.79	2.80		C	15442+0626	I 1	1							S
77071	10.457	0.047	9.789	0.041		0.624	0.015	G	0.69	0.01	H	9.8156	0.0029	0.016	67		9.79	9.85		C			1							
77072	7.035	0.004	7.053	0.006		−0.012	0.007	T	0.01	0.01	L	7.0635	0.0019	0.011	91		7.05	7.08					1							S
77073	8.107	0.010	7.717	0.012	*	0.362	0.015	G	0.42	0.02	H *	7.7440	0.0020	0.011	76	*	7.72	7.77		D	15443−5419	I 1	2 C A	AS	198	0.449	0.002	0.11	0.02	S
77074	11.039	0.059	8.751	0.015		1.931	0.050	T	2.55	0.09	O	8.5823	0.0027	0.022	101		8.55	8.63					1							
77075	8.379	0.011	8.247	0.013		0.150	0.015	G	0.17	0.01	H	8.2527	0.0021	0.014	83		8.23	8.28					1 G							
77076	9.882	0.026	9.260	0.024		0.586	0.015	G	0.66	0.01	H	9.3659	0.0020	0.016	80		9.34	9.40					1							
77077	7.925	0.009	7.609	0.010		0.287	0.015	G	0.33	0.02	H	7.6720	0.0011	0.009	70		7.66	7.70					1							S
77078	12.012	0.159	9.884	0.040		1.759	0.131	T	1.79	0.13	L	9.8381	0.0025	0.029	114		9.79	9.89		C			1							
77079	11.358	0.090	10.683	0.081		0.625	0.101	T	0.69	0.09	L	10.7389	0.0069	0.044	85		10.63	10.81					1							G
77080	10.331	0.037	9.000	0.021		1.129	0.033	T	1.09	0.03	L	9.0537	0.0019	0.016	69		9.03	9.08		C			1							
77081	10.647	0.044	9.799	0.035		0.745	0.043	T	0.79	0.03	L	9.8298	0.0031	0.022	70		9.78	9.88					1							G
77082	10.634	0.053	9.938	0.047		0.642	0.058	T	0.71	0.05	L	10.0023	0.0030	0.024	59		9.95	10.05		C			1 G							
77083	8.955	0.021	8.234	0.017	A	0.655	0.015	G	0.72	0.01	H *	8.1845	0.0030	0.017	64	*	8.15	8.23		D	15444+1518	I 1	2 C A	AB	326	6.230	0.015	2.38	0.06	S
77084	8.109	0.008	7.435	0.007		0.624	0.009	T	0.69	0.01	L	7.4919	0.0013	0.010	117		7.48	7.51		C			1							S
77085	12.118	0.157	9.998	0.035		1.793	0.133	T	2.44	0.54	K	9.9720	0.0026	0.021	99		9.93	10.02		C			1							
77086	5.893	0.004	5.897	0.006	*	−0.007	0.002	G	0.01	0.00	H *	5.9405	0.0017	0.013	101	*	5.92	5.97		U 2	15444−4149	I 1	2 C A	AB	340	3.715	0.010	2.05	0.02	S
77087	10.498	0.043	9.385	0.027		0.959	0.040	T	0.95	0.03	L	9.4744	0.0016	0.016	73		9.45	9.50					1							
77088	9.009	0.010	8.244	0.009		0.684	0.015	G	0.74	0.01	H	8.3102	0.0014	0.017	188		8.29	8.35		C			1							
77089	8.915	0.015	8.505	0.015		0.388	0.020	T	0.45	0.02	L	8.5490	0.0023	0.017	81		8.51	8.57		C			1							S
77090	10.368	0.019	9.185	0.012		1.014	0.018	T	0.99	0.01	L	9.2470	0.0016	0.025	275		9.21	9.29			15445−6822	I 1	1 S							
77091	10.250	0.026	8.521	0.012		1.442	0.023	T	1.44	0.04	L	8.4844	0.0015	0.017	102		8.46	8.52					1							
77092	9.480	0.021	7.661	0.010		1.510	0.015	G	1.50	0.03	C	7.6099	0.0015	0.009	89		7.59	7.63		C			1							S
77093	9.780	0.026	8.619	0.017		0.997	0.024	T	0.98	0.02	L	8.6864	0.0019	0.013	68		8.66	8.72		C			1							S
77094	7.737	0.009	7.314	0.010		0.415	0.003	G	0.48	0.00	H	7.3580	0.0015	0.008	67		7.34	7.38		C			1							S
77095	9.750	0.027	8.601	0.018		0.987	0.025	T	0.97	0.02	L	8.6321	0.0014	0.013	60		8.60	8.69		C			1							S
77096	11.523	0.102	10.475	0.064		0.910	0.091	T	0.91	0.07	L	10.5368	0.0053	0.034	81		10.47	10.59					1							G
77097	10.517	0.051	9.870	0.044		0.531	0.015	G	0.60	0.02	H	9.9892	0.0029	0.021	67		9.95	10.04		C			1 S							
77098	8.228	0.014	7.595	0.013		0.611	0.015	G	0.68	0.01	H	7.6577	0.0017	0.009	49		7.64	7.68		D			1							S
77099	8.136	0.009	8.157	0.012		0.008	0.004	G	0.03	0.00	H	8.1553	0.0018	0.015	87		8.13	8.18		C	15446−5305	I 1	1							
77100	9.647	0.025	9.129	0.023		0.486	0.031	T	0.56	0.03	L	9.2068	0.0024	0.017	75		9.18	9.24		C			1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
1 2	h m s	±° ′ ″	mag	6 7	deg	deg	10	mas	mas/yr		mas		mas	mas/yr		19	20	21	22	23	24	25	26	27	28	% 29	30
77101	15 44 36.38	−44 02 57.2	7.89	H	236.151 594 76	−44.049 216 66		3.27	−21.56	−18.10	0.78	0.67	1.04	0.83	0.83	− 8	−26	−36	+11	−10	−10	− 6	+36	− 3	−40	0	−0.15
77102	15 44 36.50	+80 55 55.8	6.85	H	236.152 093 22	+80.932 168 90		2.05	5.25	0.93	0.49	0.54	0.56	0.51	0.66	+ 3	−22	−18	− 7	−16	+ 9	−14	+23	− 3	− 7	1	−0.65
77103	15 44 36.56	+11 25 19.6	7.47	H	236.152 335 18	+11.422 120 56		1.49	−31.30	−25.59	1.26	0.77	1.78	1.80	1.40	+ 9	−59	−21	+39	+21	−54	−26	− 9	+57	−42	0	−0.31
77104	15 44 38.09	+49 01 40.6	9.66	H	236.158 717 04	+49.027 952 99		9.52	−119.37	125.06	1.01	1.08	1.18	1.31	1.41	+13	+15	−	4	−23	−18	−15	−19	−	3	−	7	+ 7	0	1.32
77105	15 44 38.90	+77 09 01.3	7.98	G	236.162 072 67	+77.150 355 25		2.83	−33.08	40.17	0.54	0.55	0.59	0.61	0.70	+ 4	−22	−10	+	2	−	1	−	6	+	0	+20	+	4	−	9	0	−0.18
77106	15 44 39.49	−62 30 49.2	9.83	H	236.164 559 42	−62.513 659 56		0.84	−5.86	−11.23	0.76	0.92	1.39	0.94	1.21	− 7	−10	−	3	−	7	+18	−14	+18	−	3	+	7	−16	0	0.60
77107 H	15 44 39.83	−47 59 16.3	9.16	H	236.165 961 22	−47.987 867 99	A	10.41	48.69	17.03	1.63	1.45	1.93	1.70	1.64	−16	−	9	−	4	+16	+10	−23	+	7	+21	+	3	−	5	1	0.43
77108	15 44 40.47	−37 20 14.5	8.14	G	236.168 637 31	−37.337 356 99		10.81	−34.88	−67.85	0.83	0.65	0.99	1.13	0.97	−23	−18	−15	+28	−13	+	6	−11	+42	−	1	−27	0	0.86
77109	15 44 40.68	+84 34 45.2	8.05	H	236.169 502 08	+84.579 217 46		13.60	−78.91	113.33	0.55	0.58	0.65	0.66	0.82	+13	−15	−	3	−	5	+23	+	1	+29	+	8	−	1	−	1	1	0.79
77110	15 44 42.12	+58 26 00.7	7.36	H	236.175 517 41	+58.433 534 22		15.03	−80.75	45.51	0.54	0.52	0.61	0.56	0.57	+ 5	+	0	−16	−19	−15	−	9	−12	+	4	+	6	−20	0	−0.56
77111	15 44 42.15	+17 15 51.2	6.15	G	236.175 624 38	+17.264 210 31		10.16	−30.44	6.59	0.65	0.63	0.79	0.72	0.97	−17	+	1	−16	−37	−31	+	3	−28	+11	−	1	−50	0	0.34
77112	15 44 43.88	−29 56 38.9	10.08	H	236.182 839 33	−29.944 132 06		3.49	−12.58	−7.36	1.59	1.04	1.76	1.45	1.23	−	3	−39	−15	+	4	+	0	+	2	+	1	+11	+	0	−20	0	0.80
*77113	15 44 44.95	−60 14 18.3	8.13	G	236.187 298 38	−60.238 424 84		7.56	−23.41	0.05	0.77	0.69	0.99	0.86	1.01	+	3	+	1	+	2	+52	+26	−17	+36	+37	+13	−	1	0	1.29
*77114	15 44 44.94	−87 46 35.2	8.77	H	236.187 261 93	−87.776 435 64		4.51	−48.48	−29.67	0.65	0.70	0.81	0.72	0.83	+11	+	9	+	6	+	0	−10	−21	−10	+	3	−	6	+15	0	−0.29
77115	15 44 45.76	+68 40 47.4	7.23	H	236.190 678 55	+68.679 845 98		9.20	−42.46	67.05	0.48	0.49	0.53	0.50	0.54	+10	−	5	−13	−11	−	3	−	9	−	1	+	9	−25	+	3	0	1.51
77116 H	15 44 45.98	−20 03 12.6	9.86	H	236.191 578 89	−20.053 493 23	A	6.32	−51.24	−20.18	4.08	2.20	3.97	3.72	2.47	−15	−34	−	8	−	8	−13	+	8	−15	+13	+	3	−25	2	0.59
77117	15 44 48.05	−55 06 03.0	7.51	H	236.200 196 91	−55.100 826 90		8.65	−38.33	−38.83	0.89	1.00	0.96	2.17	1.94	+10	−30	−13	+20	+36	+	4	+34	+16	−	6	+69	0	1.26
77118	15 44 48.22	+16 44 14.6	6.99	G	236.200 921 14	+16.737 375 03		7.38	−71.15	−7.05	0.68	0.69	0.93	0.81	1.22	−26	−24	−12	−14	−30	+16	−30	+17	+	3	−61	4	0.24
77119	15 44 48.59	+23 37 21.7	9.50	H	236.202 476 08	+23.622 688 91		0.30	−10.49	−19.66	0.80	0.88	1.51	0.96	0.95	+	3	+12	+17	+48	−16	−	3	−12	+24	−	3	+	9	3	1.44
77120	15 44 50.34	+00 41 12.6	10.14	G	236.209 735 24	+00.686 832 00		17.56	−194.62	−104.24	1.64	1.15	1.99	1.88	1.51	−13	−38	−28	−13	+12	−10	+	8	−21	+	3	−29	0	−0.51
77121	15 44 50.78	+30 09 17.8	9.68	H	236.211 576 46	+30.154 934 43		−0.07	−17.37	12.26	0.85	1.01	1.61	0.84	1.13	+21	+	6	+	3	−21	−	4	−18	−	2	−	9	+	1	+	9	2	2.75
77122	15 44 52.06	+62 51 36.0	8.95	G	236.216 904 90	+62.859 990 56		11.53	−255.74	128.23	0.70	0.73	0.78	0.86	1.00	+	9	−	5	−18	−	1	−	2	+15	+	0	+17	+	7	+	9	0	−1.11
77123	15 44 52.71	−23 05 26.9	9.39	G	236.219 621 97	−23.090 802 09		7.82	−138.03	−179.18	1.42	0.89	1.70	1.93	1.13	−13	−21	−26	+	8	−13	+34	−	3	+	9	+	1	+12	0	−1.43
77124	15 44 53.26	−18 45 03.1	9.58	H	236.221 910 35	−18.750 867 56		9.13	−27.35	−40.02	1.66	0.85	1.71	2.45	1.30	+	1	−25	+	0	−26	−11	+	0	−11	−	9	−22	+40	3	−1.60
77125	15 44 53.86	+28 50 12.3	10.02	H	236.224 425 42	+28.836 741 67		4.85	13.99	−4.85	0.89	1.00	1.71	0.89	1.28	+38	+	1	+10	−19	−10	−	5	−	5	+	8	−16	+21	3	2.23
77126	15 44 53.89	+38 14 27.9	10.12	H	236.224 550 22	+38.241 081 81		10.96	61.26	−117.47	0.91	1.28	1.34	1.06	1.49	+21	−	4	+	0	−	2	+20	+	5	+23	+31	−18	+12	1	0.95
77127	15 44 54.18	−68 00 08.4	9.16	H	236.225 752 74	−68.002 320 06		−0.12	−3.03	−8.16	0.64	1.01	1.37	0.77	1.21	+37	−	8	−	3	+	7	+	5	−	9	+	2	+29	−10	+49	3	−0.22
77128	15 44 55.73	+20 52 53.2	7.77	H	236.232 215 85	+20.881 434 03		4.28	21.59	−11.06	0.74	0.70	0.91	0.95	0.98	−42	−13	−12	−52	+15	+11	+13	−35	+16	−45	0	1.99
77129	15 44 55.83	+21 26 38.7	7.49	G	236.232 635 11	+21.444 072 50		16.98	43.67	131.41	0.70	0.64	0.99	0.95	0.76	−20	−21	−14	−47	−14	+41	−13	−	4	+12	−10	2	1.41
77130	15 44 56.08	−59 44 58.5	8.77	H	236.233 656 36	−59.749 593 02		2.71	−3.69	−10.51	0.90	1.01	1.22	1.14	1.49	−15	−20	−12	+43	−	1	−22	+	3	+53	−	7	−23	0	−0.05
77131	15 44 56.66	−21 48 53.9	8.87	H	236.236 089 03	−21.814 966 19		1.36	−3.11	−3.49	1.19	0.78	1.52	1.56	1.00	−20	−31	−26	−14	−14	+40	+	4	+	4	−24	−14	0	−0.22
77132	15 44 56.96	+15 03 18.4	8.49	H	236.237 340 59	+15.055 104 38		2.46	−29.02	4.34	1.25	0.97	1.26	1.48	1.62	−35	−35	−	8	+39	−38	−12	−36	+45	−	8	−57	0	−1.14
77133	15 44 57.08	−05 07 47.7	9.97	G	236.237 849 15	−05.129 924 32		6.64	14.38	−50.94	1.37	0.94	1.68	1.79	1.35	−45	−	1	−	6	+21	−	3	+22	+	6	−	8	+	6	−21	2	0.98
77134	15 44 57.31	+24 42 31.1	7.53	H	236.238 805 75	+24.708 640 26		5.69	−19.21	−11.65	0.51	0.55	0.87	0.60	0.63	−	5	−	2	−19	+23	−26	+	7	−26	+	9	−	5	−11	0	−0.69
77135 H	15 44 57.70	−34 11 53.5	9.88	G	236.240 435 95	−34.198 194 73	A	6.98	−20.55	−25.89	2.56	1.84	2.92	3.32	2.52	−27	−13	−	8	+11	+	2	−17	+	0	+31	+	0	−12	1	0.53
77136	15 44 57.85	−48 18 51.6	9.57	H	236.241 027 55	−48.314 326 76		1.70	2.72	7.99	1.22	0.99	1.56	1.34	1.31	−	1	−27	−17	+	9	−	2	−	7	−	1	+28	−	1	−15	0	−0.56
77137 H	15 44 58.29	−16 43 02.7	9.02	H	236.242 873 69	−16.717 403 76	A	5.26	−14.95	13.06	1.86	1.23	1.85	2.05	1.77	−	9	+	9	−26	+27	−15	+17	−	7	+30	+	3	−49	1	0.88
77138 H	15 44 59.61	−50 47 07.5	6.41	H	236.248 390 94	−50.785 407 37	A	10.15	−52.04	−23.10	0.86	0.72	0.95	0.84	0.81	−13	−12	−19	+15	+	7	−	5	+	7	+19	−10	−	7	4	0.31
77139 H	15 44 59.67	−15 10 29.9	8.28	G	236.248 622 64	−15.174 970 29	A	9.94	−0.36	−2.81	1.72	1.05	1.67	1.76	1.55	−18	−32	+22	+16	−17	−	1	−18	+42	+	9	−30	1	0.02
77140 H	15 45 00.19	−59 07 25.9	7.57	G	236.250 788 68	−59.123 855 86	A	7.48	−28.61	−30.01	1.09	1.06	1.22	1.43	1.58	−23	−25	−14	+14	−19	−22	−20	+63	−27	−13	1	0.15
77141	15 45 00.24	+35 57 41.1	10.17	H	236.251 017 03	+35.961 405 34		19.16	59.88	−21.11	0.99	1.05	1.36	1.14	1.28	+20	+	4	+	7	+	9	+	2	−	9	+	3	+13	−10	+	4	0	2.27
77142 H	15 45 00.70	−63 12 29.2	7.72	H	236.252 919 19	−63.208 110 39	*	1.64	−4.48	−12.01	2.31	2.13	1.60	1.24	1.42	+32	−	7	−12	+	9	+11	−	7	+12	+18	+12	−	1	3	1.17
77143	15 45 00.72	+45 41 16.4	8.63	H	236.253 000 39	+45.687 902 46		3.60	12.10	−15.65	0.63	0.70	0.79	0.67	0.76	−	1	−	8	+	3	−	6	+	9	+	0	+11	+12	−	9	−	5	0	−0.25
77144	15 45 01.85	−40 50 30.7	9.46	2 H	236.257 693 24	−40.841 863 62		6.45	−19.39	−31.14	1.16	1.01	1.42	1.29	1.40	−32	−17	−32	+24	−29	+	7	−18	+54	−21	−53	0	−0.14
77145	15 45 03.30	−45 31 06.9	8.98	H	236.263 729 29	−45.518 583 19		1.77	−6.87	−2.55	0.96	0.90	1.36	1.21	1.23	−21	−	7	−25	+	3	−	6	−19	−	9	+35	−23	−22	0	−0.23
77146	15 45 04.25	−56 54 31.7	8.21	H	236.267 728 71	−56.908 817 20		0.19	−3.85	−8.52	0.78	0.78	1.02	1.16	1.04	+	2	−	6	+	5	+22	+	7	−11	+	3	+39	−	3	+23	0	−0.96
77147 H	15 45 04.93	+29 36 05.4	10.28	H	236.270 528 96	+29.601 486 66	B	2.41	−19.32	5.78	3.81	4.07	2.31	1.34	1.73	+42	−	7	+	4	−	7	−	2	−	1	+	2	−11	+	2	+10	0	−0.84
77148	15 45 05.46	−48 09 38.5	9.04	H	236.272 769 90	−48.160 698 73		3.17	−8.04	−29.64	1.06	0.79	1.29	1.00	0.99	−	5	−37	−15	+	2	−	9	−13	−	6	+27	−	1	−26	0	−0.26
77149	15 45 05.63	−61 17 51.6	7.09	H	236.273 449 21	−61.297 673 70		14.85	−82.42	−95.20	0.66	0.67	0.84	0.78	0.95	−	1	−20	−	9	+57	+20	−19	+25	+40	−	7	−11	0	0.11
77150	15 45 06.38	−35 06 06.7	7.72	G	236.276 566 75	−35.101 853 98		8.01	−16.34	−20.32	0.84	0.56	1.05	1.11	0.85	−36	+10	−27	−	7	+25	−24	+24	+	9	+	1	−29	0	0.42
77151	15 45 07.28	−49 36 36.7	8.78	H	236.280 330 98	−49.610 194 41		1.74	9.83	−14.01	1.08	0.88	1.28	1.34	1.16	+13	−21	−13	+30	+22	−	3	+19	+35	+10	+18	0	1.10
77152	15 45 07.51	+28 28 11.4	8.06	H	236.281 283 19	+28.469 836 04		20.85	−87.63	38.71	0.46	0.61	1.04	0.51	0.72	+27	+	1	+	4	−	2	+	1	−15	+	3	+	5	−16	+10	0	−1.33
77153	15 45 08.77	+41 12 42.0	7.99	H	236.286 530 67	+41.211 678 99		5.32	−19.79	−52.66	0.56	0.58	0.71	0.63	0.68	+	6	−	5	−	1	−	6	−	5	−10	−	1	+22	−12	−	7	0	0.61
77154	15 45 11.03	−14 17 11.2	10.08	G	236.295 966 47	−14.286 440 67		3.87	−4.42	−10.12	1.65	0.88	1.74	2.08	1.42	−	2	−32	−	3	+26	+	3	+19	+	1	+28	+12	−	3	3	2.07
77155	15 45 11.37	−22 53 25.8	8.83	H	236.297 370 94	−22.890 491 12		8.41	4.92	6.75	1.19	0.76	1.41	1.44	0.91	−19	−33	−	7	+	4	−11	+34	+	0	+12	−18	+	2	0	0.84
77156	15 45 12.48	−58 40 59.3	8.11	G	236.302 002 33	−58.683 146 46		2.22	8.28	−0.53	0.89	0.91	1.20	1.04	1.28	−	6	−29	−29	+15	−18	−	8	−12	+46	−23	−21	0	−1.56
77157	15 45 12.88	−34 17 30.4	10.31	2 G	236.303 660 43	−34.291 790 15		6.29	−13.87	−20.20	1.67	1.07	2.05	2.17	1.61	−31	−	1	−16	+11	+28	−	8	+32	+12	−	7	−	7	4	1.23
77158	15 45 13.51	−63 07 54.6	8.87	H	236.306 291 01	−63.131 845 84		26.13	81.14	−53.64	0.69	0.78	1.21	0.91	1.07	+	5	−15	−20	+	4	+14	−17	+12	+	4	+	3	−16	0	−0.09
77159	15 45 15.16	+04 42 30.8	8.03	H	236.313 155 14	+04.708 564 24		14.66	−9.92	−141.44	1.04	0.75	1.13	1.21	0.99	−26	−42	+16	+31	−12	−	8	−12	+19	+	6	−13	0	0.49
77160 H	15 45 16.22	−58 41 13.7	7.70	G	236.317 593 18	−58.687 134 69	*	2.41	9.36	−0.07	2.06	1.43	1.24	1.12	1.38	−	7	−21	−28	+	0	−16	−16	−	9	+46	−30	−22	2	−0.68
77161	15 45 18.30	+52 40 37.6	7.90	H	236.326 236 17	+52.677 109 17		3.25	−4.99	4.20	0.60	0.63	0.70	0.71	0.77	+13	−	5	−30	−	2	+15	−17	+10	+	0	+10	+23	1	−0.76
77162 H	15 45 20.21	+04 31 56.9	8.78	G	236.334 213 96	+04.532 473 85	A	8.56	1.41	−14.63	2.01	1.61	1.99	2.51	2.26	−21	−26	−	7	+17	−27	−16	−35	+18	+16	−24	0	0.08
77163	15 45 23.47	+05 26 50.4	5.57	G	236.347 782 79	+05.447 322 55		8.49	27.17	−3.19	0.68	0.53	0.73	0.77	0.70	−20	−26	−	8	+30	−33	+	6	−27	+40	−23	−22	5	0.24
77164	15 45 23.75	−25 03 35.1	10.59	G	236.348 944 36	−25.059 744 53		11.30	−139.33	−59.45	2.12	1.29	2.41	2.32	1.63	+	1	−21	−26	+31	+	7	+13	+	7	+	4	+16	−11	0	−1.22
77165	15 45 23.85	−19 06 26.0	7.53	H	236.349 361 47	−19.107 227 08		5.76	−3.29	−21.17	1.00	0.58	1.11	1.41	0.92	−13	−23	+	6	−23	−11	−10	−10	−	3	−33	+27	0	−1.57
77166	15 45 25.35	−40 38 48.1	8.66	H	236.355 635 98	−40.646 689 24		0.78	−27.85	−38.74	0.95	0.75	1.14	0.99	0.97	−15	−24	−21	+14	−	5	+	1	+	1	+32	−12	−29	0	0.30
77167 H	15 45 25.60	−37 37 49.4	8.61	H	236.356 672 57	−37.630 393 56	A	2.12	−12.60	−12.21	2.34	1.91	2.15	2.87	2.41	−	8	−	6	−	2	+	9	+	2	+	3	+	1	+23	−	2	−	3	2	0.03
77168	15 45 26.12	−31 09 17.8	9.44	H	236.358 847 75	−31.154 931 16		4.22	−30.08	−45.05	1.17	0.79	1.37	1.43	1.02	−14	−22	−16	+11	−	1	+24	+	3	+	9	+	7	−	4	0	1.02
77169	15 45 26.27	+47 33 08.3	9.86	H	236.359 461 69	+47.552 310 71		0.78	−18.91	−15.26	0.84	0.95	1.05	0.92	1.00	+11	+	0	+	9	−14	−13	−	7	−12	−19	+12	+	9	0	0.90
77170	15 45 26.28	−26 17 57.3	8.91	H	236.359 479 73	−26.299 237 53		8.44	13.63	−46.07	1.31	0.74	1.51	1.37	1.07	−	7	−47	−18	+	3	+19	−	4	+15	−	4	+	9	−25	0	0.93
77171	15 45 26.53	−52 34 00.5	8.35	H	236.360 532 81	−52.566 817 11		0.75	0.40	−2.84	1.01	0.84	1.32	1.37	1.30	−	9	−18	−16	+30	+	2	−25	+	0	+29	−12	−12	0	−0.81
77172	15 45 26.71	+01 31 56.6	8.21	H	236.361 292 08	+01.532 387 21		5.17	−14.12	−11.04	1.11	0.79	1.18	1.24	1.15	−	7	−44	−11	+12	+25	+14	+24	−28	−21	−37	0	0.28
77173	15 45 27.59	−65 44 59.0	6.87	H	236.364 945 47	−65.749 734 25		1.91	−5.06	−5.89	0.44	0.53	0.75	0.49	0.68	−	7	−	9	+	2	−32	+	0	−	5	+	4	+11	−13	0	0.78
77174	15 45 27.67	−06 08 43.1	7.26	H	236.365 302 30	−06.145 316 12		4.82	−29.57	4.07	0.89	0.56	0.97	0.90	0.72	+	5	−43	−25	+22	+	4	+	9	+12	+13	−15	−20	0	1.36
77175	15 45 28.35	+08 39 11.9	7.84	H	236.368 106 04	+08.653 318 84		4.40	−3.73	−36.29	0.85	0.72	1.10	1.27	1.09	−16	−20	−35	−	9	+	8	−30	−	5	−10	+15	−43	0	−0.80
77176	15 45 29.07	+73 50 08.9	7.79	H	236.371 126 38	+73.835 796 63		3.52	−0.14	9.25	0.60	0.72	0.73	0.58	0.78	+	7	−20	−41	−12	−	2	−	3	−	8	−21	+	6	−21	0	1.13
77177	15 45 29.26	−23 30 33.8	8.98	G	236.371 913 73	−23.509 396 95		6.65	−22.84	−48.17	1.28	0.77	1.51	1.60	0.93	−10	−28	−24	+18	−	9	+32	+	2	+12	+	2	+	9	0	−0.36
77178	15 45 29.46	+55 15 03.2	7.52	2 H	236.372 738 79	+55.250 898 18		1.13	10.34	14.87	0.55	0.55	0.61	0.60	0.70	+	9	−21	−	7	−	2	−	1	+	7	−	4	+10	+	8	+21	0	0.64
77179	15 45 30.19	+21 10 42.7	9.24	H	236.375 792 45	+21.178 538 52		21.11	−250.63	32.05	0.97	0.99	1.32	1.15	1.24	−40	−29	+14	−53	+13	+33	−32	−23	+40	0	0.27
77180	15 45 33.74	+40 10 39.2	7.84	H	236.390 565 64	+40.177 557 98		5.69	19.99	−4.96	0.53	0.62	0.70	0.66	0.73	+15	+13	+	0	+11	+16	−16	+17	+35	−	3	+	4	1	1.25
77181	15 45 34.30	−56 00 24.2	8.99	G	236.392 918 95	−56.006 727 14		4.56	−6.65	−26.14	0.92	0.84	1.22	1.14	1.10	−	2	−17	−12	−	9	−	3	−15	−	7	+41	−	5	+	1	0	−0.08
77182 H	15 45 36.63	−53 26 16.2	7.90	H	236.402 612 03	−53.437 824 11	A	4.19	9.88	11.46	1.26	1.00	1.46	1.32	1.28	+17	−28	−43	+21	+	9	−13	+11	+32	−32	+16	2	0.24
77183	15 45 37.49	+24 05 41.2	9.28	H	236.406 202 54	+24.094 781 17		2.14	−2.56	6.27	0.81	0.86	1.53	1.02	0.96	−	6	−	6	−10	+45	−23	+	7	−23	+14	+	9	−13	0	0.81
77184	15 45 38.94	−24 45 58.3	10.07	H	236.412 232 08	−24.766 202 63		14.86	20.94	3.57	1.77	1.18	1.94	2.02	1.42	−19	−	8	−24	+38	−12	+16	−	8	+24	−	2	−25	0	0.96
77185	15 45 39.21	−02 15 40.2	11.61	G	236.413 387 29	−02.261 162 00		2.19	−286.39	−98.95	2.69	1.75	3.01	3.60	2.58	−16	−13	−	6	+32	−	5	+10	−	3	+16	−	1	−	8	0	0.21
77186	15 45 39.50	+00 53 27.8	6.32	G	236.414 588 02	+00.891 049 71		5.27	11.80	−4.39	0.69	0.52	0.81	0.76	0.68	−18	−39	−14	+	7	+10	−12	+	9	−13	−	3	−29	0	−0.08
77187 H	15 45 39.98	−55 58 30.5	8.21	G	236.416 589 32	−55.975 142 46	A	0.14	−6.61	−4.03	1.51	1.16	1.62	1.77	1.51	+	1	+10	−	8	+	8	+13	−12	+	7	+28	−17	+21	2	0.71
77188 H	15 45 40.74	+50 40 20.8	9.65	H	236.419 751 20	+50.672 437 54	*	7.83	−19.35	37.04	0.97	1.13	1.18	1.20	1.31	+20	+	7	+	8	−	4	+	3	−	8	+	3	−11	+	7	+11	0	0.95
77189 H	15 45 42.08	−65 29 07.6	8.41	H	236.425 322 81	−65.485 433 49	*	10.37	−41.83	−56.99	0.65	0.82	1.07	0.74	0.92	−21	−	5	+	0	−14	+	8	−26	+	8	+10	+	7	−23	0	1.67
77190	15 45 42.69	−46 32 33.1	10.06	2 H	236.427 876 04	−46.542 514 43		9.81	−30.29	−41.92	1.60	1.22	1.86	2.17	1.80	+	6	−15	+	5	+38	+23	+	7	+21	+41	+10	+29	0	0.92
77191	15 45 42.96	−22 45 11.7	6.72	H	236.429 020 08	−22.753 243 52		4.87	−31.07	−21.61	0.88	0.55	1.01	1.05	0.71	−14	−37	−13	−	4	−17	+25	−	9	+18	−17	+	0	2	−0.07
77192	15 45 43.09	+57 15 46.3	7.79	G	236.429 562 01	+57.262 854 02		8.42	−32.13	59.36	0.54	0.55	0.61	0.58	0.62	+	7	−	8	−12	−	9	−	7	−	5	−	6	+10	+	6	−	5	1	2.91
77193	15 45 43.19	+46 34 50.4	8.68	H	236.429 950 28	+46.580 665 47		3.81	−36.02	24.46	0.68	0.71	0.81	0.82	0.83	+	3	−11	−	3	−	3	−	6	−	1	−	2	+20	−11	−	6	0	−1.43
77194	15 45 44.87	+28 58 09.5	8.86	H	236.436 961 30	+28.969 308 89		1.99	−12.07	5.30	0.60	0.74	1.18	0.56	0.84	+23	−	5	−	6	−28	−	1	−	7	+	3	−	1	−	2	+11	1	1.09
77195	15 45 45.67	−44 29 29.3	10.88	H	236.440 304 02	−44.491 483 84		−0.64	0.62	0.68	1.54	1.27	2.03	1.77	1.57	−	2	−18	−23	+14	+	7	+	7	+10	+27	−	8	−	3	2	−

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
77101	9.155	0.014	8.005	0.009		0.988	0.013	T	0.97	0.01	L	8.0501	0.0021	0.015	96		8.03	8.07					1							
77102	8.796	0.012	6.989	0.006		1.504	0.011	T	1.53	0.02	L	6.9747	0.0011	0.009	113		6.96	6.99					1							S
77103	8.876	0.019	7.591	0.012		1.093	0.018	T	1.05	0.02	L	7.6383	0.0023	0.009	45		7.62	7.67					1							S
77104	10.381	0.038	9.730	0.033		0.596	0.037	T	0.67	0.03	L	9.7791	0.0043	0.032	88		9.73	9.82					1							
77105	9.231	0.014	8.083	0.009		0.990	0.015	G	0.97	0.01	H	8.1463	0.0011	0.010	125		8.13	8.17					1							S
77106	10.096	0.020	9.883	0.026		0.197	0.032	T	0.22	0.04	L	9.8984	0.0026	0.029	182		9.85	9.95					1 S							G
77107	9.931	0.039	9.314	0.036	A	0.900	0.495	G	0.65	0.03	L *	9.2873	0.0023	0.020	94	*	9.25	9.32		C	15447−4759	I 1	2 C A	AB	306	5.879	0.031	2.78	0.10	
77108	8.629	0.010	8.187	0.010		0.430	0.015	G	0.50	0.02	H	8.2390	0.0011	0.009	93		8.22	8.26					1							S
77109	8.646	0.011	8.115	0.011		0.498	0.014	T	0.57	0.01	L	8.1635	0.0013	0.012	110		8.15	8.18					1							S
77110	7.810	0.009	7.407	0.007		0.381	0.011	T	0.45	0.01	L	7.4534	0.0012	0.010	96		7.44	7.48		C			1							S
77111	6.149	0.003	6.144	0.004		0.002	0.002	G	0.02	0.00	H	6.1538	0.0006	0.006	129		6.14	6.17					1							S
77112	11.383	0.081	10.247	0.050		0.977	0.074	T	0.96	0.06	L	10.2455	0.0037	0.033	81		10.19	10.29					1							G
77113	8.695	0.010	8.199	0.010		0.478	0.011	T	0.55	0.01	L	8.2308	0.0014	0.012	124		8.21	8.25		C			1							
77114	9.825	0.019	8.868	0.014		0.829	0.018	T	0.85	0.01	L	8.9156	0.0020	0.017	120		8.88	8.95		C			1							
77115	7.438	0.007	7.257	0.008		0.173	0.010	T	0.19	0.01	L	7.2930	0.0008	0.007	115		7.28	7.31					1							S
77116	11.280	0.099	10.142	0.057	A	1.600	0.495	G	1.57	0.51	J *	9.9816	0.0038	0.025	69	*	9.90	10.03		D	15448−2003	I 1	2 C A	AB	24	1.423	0.023	1.80	0.13	
77117	7.920	0.009	7.549	0.009		0.351	0.012	T	0.41	0.01	L	7.5901	0.0015	0.013	70		7.56	7.62					1 G							S
77118	8.554	0.010	7.123	0.006		1.200	0.020	G	1.16	0.02	H	7.1663	0.0011	0.008	102		7.15	7.18		C			1							S
77119	11.160	0.051	9.674	0.023		1.251	0.044	T	1.21	0.04	L	9.6636	0.0023	0.025	148		9.61	9.71					1							
77120	11.415	0.084	10.207	0.045		0.896	0.002	G	0.94	0.00	H	10.2838	0.0039	0.029	68		10.23	10.34		C			1							
77121	10.197	0.021	9.702	0.021		0.466	0.027	T	0.54	0.03	L	9.7865	0.0029	0.035	190		9.73	9.85					1							
77122	9.655	0.026	9.033	0.024		0.580	0.015	G	0.65	0.01	H	9.0454	0.0018	0.021	105		9.01	9.09		C			1							
77123	10.277	0.037	9.519	0.031		0.700	0.003	G	0.76	0.00	H	9.5284	0.0022	0.014	65		9.50	9.55		C			1							
77124	10.339	0.042	9.744	0.038		0.555	0.042	T	0.63	0.04	L	9.6983	0.0039	0.021	77		9.67	9.73					1							
77125	10.711	0.026	10.075	0.024		0.591	0.031	T	0.66	0.03	L	10.1433	0.0025	0.039	248		10.07	10.22					1							
77126	11.324	0.065	10.200	0.037		0.960	0.059	T	1.01	0.05	L	10.2596	0.0043	0.035	116		10.21	10.32					1							
77127	10.954	0.032	9.266	0.013		1.410	0.027	T	1.39	0.03	L	9.3073	0.0016	0.025	271		9.25	9.35					1 S							
77128	7.872	0.006	7.769	0.008		0.100	0.009	T	0.11	0.01	L	7.8070	0.0010	0.012	137		7.78	7.83		C			1							S
77129	8.013	0.009	7.521	0.009		0.451	0.023	G	0.52	0.02	H	7.5822	0.0013	0.013	124		7.56	7.60		C			1							S
77130	8.854	0.013	8.795	0.017		0.090	0.015	G	0.10	0.02	H	8.8110	0.0023	0.020	97		8.78	8.84		C			1							
77131	8.824	0.016	8.848	0.021		−0.017	0.024	T	0.01	0.02	L	8.8724	0.0021	0.014	55		8.85	8.89		C			1							
77132	10.552	0.057	8.690	0.022		1.548	0.048	T	1.61	0.10	L	8.6007	0.0026	0.016	61		8.57	8.63		C			1							
77133	10.585	0.039	9.910	0.034		0.606	0.015	G	0.68	0.01	H	10.1024	0.0020	0.021	98		10.06	10.15		C			1							
77134	7.807	0.008	7.548	0.008		0.247	0.011	T	0.28	0.01	L	7.5958	0.0011	0.013	130		7.57	7.62					1							S
77135	11.063	0.059	10.166	0.041	A	0.780	0.020	G	0.89	0.02	A *	10.0118	0.0028	0.031	126	*	9.96	10.08		R	15450−3412	I 1	2 C A	AB	26	3.410	0.011	1.72	0.06	G
77136	10.881	0.051	9.696	0.031		1.015	0.047	T	0.99	0.04	L	9.7323	0.0030	0.022	87		9.70	9.77		C			1							G
77137	9.590	0.023	9.172	0.023	A	0.400	0.495	G	0.61	0.06	L *	9.1373	0.0021	0.017	86	*	9.11	9.17		D	15450−1643	I 1	2 C A	AB	33	2.197	0.018	2.59	0.10	
77138	6.571	0.006	6.393	0.006	*	0.163	0.008	T	0.18	0.01	L *	6.4624	0.0009	0.007	94	*	6.45	6.47		D	15450−5047	I 1	2 C A	AB	194	2.220	0.005	1.94	0.02	S
77139	9.012	0.021	8.502	0.021	A	0.501	0.071	G	0.56	0.05	L *	8.3371	0.0021	0.013	73	*	8.31	8.37		D	15450−1510	I 1	2 C A	AB	325	3.209	0.005	1.35	0.02	S
77140	7.801	0.009	7.556	0.014	A	0.188	0.002	G	0.21	0.00	H *	7.5496	0.0019	0.014	68	*	7.53	7.58		D	15450−5908	I 1	2 C A	AB	221	7.582	0.015	2.80	0.07	S
77141	11.631	0.085	10.277	0.038		1.147	0.073	T	1.11	0.07	L	10.3330	0.0043	0.036	123		10.27	10.38		R			1							
77142	7.962	0.007	7.761	0.008	*	0.192	0.010	T	0.21	0.01	L *	7.7831	0.0013	0.014	148	*	7.76	7.81		D	15450−6312	I 1	2 C A	BA	233	0.290	0.028	2.44	0.25	S
77143	9.135	0.012	8.685	0.012		0.424	0.016	T	0.49	0.02	L	8.7278	0.0018	0.016	117		8.71	8.77		C			1							S
77144	10.174	0.028	9.556	0.026		0.572	0.028	T	0.64	0.03	L	9.5859	0.0057	0.049	94		9.52	9.67		U 2			1							
77145	9.809	0.025	9.081	0.021		0.654	0.025	T	0.72	0.02	L	9.1179	0.0018	0.015	78		9.10	9.15		C			1							
77146	9.897	0.027	8.369	0.014		1.284	0.024	T	1.24	0.03	L	8.3641	0.0018	0.018	79		8.32	8.39					1							
77147	10.908	0.035	10.308	0.033	*	0.560	0.042	T	0.63	0.04	L *	10.4007	0.0030	0.047	230	*	10.31	10.48		D	15451+2936	I 1	2 C A	BA	216	0.329	0.006	0.33	0.08	
77148	9.658	0.021	9.099	0.020		0.528	0.022	T	0.60	0.02	L	9.1524	0.0023	0.018	94		9.12	9.19					1							
77149	7.547	0.007	7.136	0.006		0.401	0.001	G	0.47	0.00	H	7.1829	0.0010	0.010	114		7.17	7.20					1							S
77150	7.849	0.008	7.726	0.009		0.082	0.015	G	0.09	0.02	H	7.7523	0.0012	0.011	102		7.73	7.77		C	15451−3506	I 1	1 S							S
77151	10.143	0.032	8.946	0.020		1.025	0.029	T	1.00	0.02	L	8.9523	0.0017	0.017	84		8.93	8.98		D			1							
77152	8.803	0.007	8.130	0.006		0.612	0.007	T	0.68	0.01	L	8.1857	0.0013	0.019	243		8.15	8.22					1							S
77153	9.349	0.014	8.106	0.009		1.061	0.013	T	1.03	0.01	L	8.1622	0.0011	0.014	139		8.14	8.19		C			1							S
77154	10.739	0.058	10.264	0.060		0.542	0.020	G	0.62	0.02	H	10.2214	0.0033	0.025	74		10.18	10.26		C			1							G
77155	9.499	0.020	8.914	0.019		0.548	0.020	T	0.62	0.02	L	8.9521	0.0022	0.015	67		8.92	8.98					1							
77156	8.427	0.016	8.111	0.017		0.348	0.004	G	0.41	0.01	H	8.1842	0.0025	0.020	79		8.14	8.21		D	15452−5841	I 2	1							
77157	12.061	0.161	10.501	0.064		1.264	0.009	G	1.22	0.01	H	10.4508	0.0089	0.068	121		10.35	10.56		U 2			1							D
77158	9.822	0.019	8.950	0.015		0.763	0.019	T	0.80	0.01	L	9.0075	0.0020	0.021	147		8.97	9.05					1							
77159	8.802	0.017	8.113	0.015		0.661	0.015	G	0.72	0.01	H	8.1641	0.0018	0.015	62		8.15	8.20					1							S
77160	8.625	0.019	7.746	0.015	*	0.871	0.015	G	0.88	0.01	H *	7.8114	0.0023	0.014	81	*	7.79	7.84		D	15452−5841	I 2	2 C A	AB	172	0.202	0.006	0.64	0.19	
77161	9.343	0.016	8.028	0.010		1.117	0.015	T	1.08	0.02	L	8.0655	0.0013	0.011	114		8.04	8.09		C			1							S
77162	9.005	0.023	8.535	0.021	*	0.478	0.033	G	0.55	0.04	H *	8.8466	0.0032	0.019	65	*	8.81	8.89		R	15453+0432	I 1	2 C A	AB	145	2.208	0.007	1.07	0.03	
77163	5.610	0.004	5.573	0.004		0.035	0.002	G	0.02	0.03	C	5.5865	0.0009	0.005	64		5.58	5.60		C			1							S
77164	11.423	0.097	10.726	0.086		0.663	0.015	G	0.72	0.01	H	10.7456	0.0049	0.025	69		10.70	10.79					1							G
77165	7.833	0.009	7.556	0.009		0.264	0.012	T	0.30	0.01	L	7.6027	0.0015	0.012	76		7.59	7.62					1							S
77166	10.670	0.039	8.847	0.016		1.517	0.033	T	1.55	0.05	L	8.7882	0.0022	0.018	102		8.76	8.82					1							
77167	9.342	0.016	8.728	0.015	*	0.586	0.017	G	0.66	0.02	H *	8.7358	0.0021	0.017	104	*	8.71	8.77		D	15454−3738	I 1	2 C A	AB	176	0.435	0.003	0.48	0.02	
77168	10.588	0.045	9.561	0.031		0.884	0.043	T	0.89	0.03	L	9.5808	0.0021	0.018	78		9.55	9.61		C			1							
77169	11.273	0.057	9.983	0.029		1.097	0.050	T	1.06	0.05	L	10.0316	0.0025	0.025	134		9.98	10.08		C			1							
77170	9.595	0.023	8.959	0.020		0.585	0.023	T	0.66	0.02	L	9.0323	0.0020	0.017	73		9.01	9.06		C			1							
77171	10.714	0.049	8.538	0.015		1.798	0.041	T	1.83	0.04	L	8.4402	0.0024	0.020	84		8.41	8.47					1							
77172	9.692	0.022	8.325	0.013		1.158	0.020	T	1.12	0.02	L	8.3734	0.0018	0.014	77		8.35	8.39		C			1 G							
77173	8.608	0.011	7.005	0.006		1.343	0.010	T	1.31	0.01	L	7.0193	0.0010	0.010	158		7.00	7.04					1							S
77174	8.620	0.012	7.371	0.008		1.065	0.011	T	1.03	0.01	L	7.4262	0.0011	0.008	76		7.41	7.44		C			1							S
77175	9.208	0.017	7.946	0.010		1.075	0.015	T	1.04	0.01	L	8.0061	0.0010	0.011	76		7.99	8.02		D			1							S
77176	9.019	0.013	7.897	0.009		0.966	0.012	T	0.95	0.01	L	7.9508	0.0012	0.010	101		7.93	7.97		C			1							S
77177	9.608	0.025	9.097	0.024		0.517	0.020	G	0.59	0.02	H	9.1103	0.0017	0.013	67		9.09	9.14					1							
77178	9.648	0.017	7.732	0.007		1.591	0.015	T	1.61	0.01	L	7.6348	0.0030	0.022	119		7.60	7.67		U 2			1							S
77179	10.257	0.027	9.319	0.020		0.814	0.026	T	0.85	0.03	L	9.3790	0.0023	0.026	133		9.33	9.42					1							
77180	7.974	0.009	7.848	0.009		0.122	0.012	T	0.14	0.01	L	7.8826	0.0010	0.009	111		7.86	7.91					1							S
77181	9.395	0.018	9.068	0.020		0.330	0.015	G	0.38	0.02	H	9.0816	0.0021	0.017	89		9.04	9.12		C			1							
77182	9.167	0.017	8.022	0.011	A	0.900	0.495	G	0.95	0.02	L *	8.0676	0.0018	0.013	81	*	8.04	8.09		D	15456−5326	I 1	2 C B	AB	233	1.847	0.030	3.40	0.13	
77183	10.605	0.042	9.447	0.025		0.994	0.038	T	0.97	0.03	L	9.4469	0.0021	0.025	123		9.41	9.49					1							
77184	11.138	0.074	10.258	0.057		0.770	0.072	T	0.81	0.05	L	10.2152	0.0044	0.023	68		10.17	10.25					1							G
77185						0.706	0.006	G	0.76	0.01	H	11.7811	0.0070	0.054	78		11.67	11.87					1							G
77186	7.871	0.012	6.474	0.006		1.195	0.001	G	1.15	0.00	H	6.4980	0.0009	0.008	78		6.49	6.52					1							S
77187	8.369	0.010	8.327	0.013	*	0.106	0.015	G	0.12	0.02	H *	8.2557	0.0010	0.014	89	*	8.23	8.28		D	15457−5559	I 1	2 C A	AB	265	0.773	0.004	0.95	0.02	
77188	10.533	0.038	9.708	0.031	*	0.743	0.037	T	0.79	0.03	L *	9.7915	0.0028	0.027	101	*	9.75	9.84		D	15457+5040	I 1	2 C S A	AB	218	0.194	0.019	0.70	0.47	
77189	8.986	0.012	8.464	0.012	*	0.499	0.013	T	0.57	0.01	L *	8.5214	0.0019	0.019	132	*	8.50	8.55		C	15457−6529	I 1	2 C S A	AB	144	0.128	0.018	0.76	0.75	
77190	10.966	0.062	10.127	0.048		0.754	0.059	T	0.80	0.04	L	10.2046	0.0122	0.066	76		10.11	10.30		U 2			1							G
77191	8.458	0.013	6.894	0.007		1.312	0.012	T	1.27	0.01	L	6.8735	0.0009	0.008	68		6.86	6.89			15457−2245	I 1	1							S
77192	8.310	0.010	7.828	0.010		0.471	0.015	G	0.54	0.02	H	7.8902	0.0012	0.013	107		7.86	7.92		C			1							S
77193	10.142	0.023	8.797	0.013		1.140	0.021	T	1.10	0.02	L	8.8435	0.0018	0.021	130		8.81	8.88					1							
77194	10.192	0.018	8.976	0.011		1.039	0.016	T	1.01	0.01	L	9.0242	0.0019	0.024	243		8.98	9.07					1							
77195	10.845	0.051	10.817	0.084		0.050	0.040	G	0.06	0.03	R	10.8990	0.0042	0.043	93		10.83	10.97		C			1							G
77196	8.416	0.013	7.016	0.006		1.183	0.011	T	1.14	0.01	L	7.0460	0.0011	0.008	84		7.03	7.06		C			1							S
77197	9.937	0.027	7.941	0.011		1.691	0.024	T	2.28	0.06	O	7.7775	0.0024	0.014	67		7.76	7.80					1							
77198	9.984	0.021	9.924	0.029		0.054	0.032	T	0.07	0.03	L	9.9125	0.0033	0.030	145		9.86	9.97					1							G
77199	10.703	0.050	9.477	0.028		1.041	0.046	T	1.09	0.06	L	9.5071	0.0063	0.062	82		9.40	9.58		U 2			1							
77200	8.306	0.011	7.860	0.010		0.450	0.015	G	0.52	0.02	H	7.9223	0.0013	0.011	113		7.91	7.94		C			1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
1 2	h m s	±° ′ ″	mag	6 7	deg	deg	10	mas	mas/yr		mas		mas	mas/yr		19	20	21	22	23	24	25	26	27	28	% 29	30
77201	15 45 48.76	+02 57 45.6	9.99	H	236.453 173 75	+02.962 670 98		7.59	0.47	−49.57	1.44	1.03	1.83	1.98	1.68	−22	−38	−14	+19	−13	−12	−24	+ 8	+27	−25	0	−0.21
77202 H	15 45 49.82	+14 02 20.2	9.53	H	236.457 568 28	+14.038 951 56	A	2.69	−11.81	9.97	2.32	1.57	1.82	2.75	2.19	−34	+ 4	−20	+43	−31	+35	−30	+32	−19	−38	0	−0.44
77203	15 45 50.47	−16 57 02.6	7.67	G	236.460 302 10	−16.950 716 77		13.53	−50.16	−10.68	0.98	0.62	1.06	1.28	0.94	−21	−15	− 9	+22	− 8	+ 6	− 6	+24	− 1	−22	0	2.92
77204	15 45 50.85	+05 19 47.4	9.25	H	236.461 865 89	+05.329 826 22		9.19	−122.14	−8.37	1.25	1.06	1.40	1.55	1.56	−29	−19	−17	+36	−36	+12	−32	+45	−18	−45	2	−0.76
77205	15 45 51.26	+26 36 07.0	9.72	H	236.463 569 03	+26.601 955 03		1.89	−14.83	7.93	0.94	0.97	1.56	0.89	1.08	− 1	− 7	+ 9	+48	+ 4	− 2	+ 0	+ 6	− 3	−14	0	0.44
77206	15 45 51.44	−50 32 07.6	8.53	H	236.464 322 20	−50.535 444 15		2.14	−4.11	−6.95	0.89	0.75	1.10	0.93	0.88	−15	−23	−15	− 3	+ 8	− 7	+ 7	+21	− 4	−12	0	1.53
77207	15 45 51.98	+36 25 06.1	8.49	H	236.466 593 45	+36.418 351 74		5.73	−58.45	10.07	0.55	0.69	0.82	0.63	0.82	+ 0	+ 5	+ 6	− 7	− 1	+ 4	+ 1	+ 7	−12	−20	1	0.13
77208	15 45 52.38	+00 53 32.6	9.28	G	236.468 254 42	+00.892 394 09		11.21	56.95	27.30	1.27	0.87	1.51	1.41	1.15	−20	−42	−14	−10	+ 8	+ 4	+16	−12	−18	−23	0	1.26
77209	15 45 52.42	−46 02 42.5	8.88	H	236.468 414 57	−46.045 151 59		0.69	10.43	6.36	1.07	0.84	1.36	1.24	1.25	− 7	−17	−17	+ 4	− 8	− 3	− 5	+35	−21	−12	0	0.97
77210	15 45 52.55	+05 02 26.0	9.15	G	236.468 948 32	+05.040 544 16		20.73	−249.86	69.70	1.16	0.90	1.36	1.51	1.33	−19	−28	−10	+21	−26	+13	−24	+27	− 5	−24	2	1.82
77211	15 45 53.10	+82 22 12.3	8.18	H	236.471 263 80	+82.370 093 46		7.05	11.72	−7.56	0.53	0.58	0.62	0.54	0.66	+ 1	−16	−13	+ 2	− 2	+ 7	− 2	+ 8	+ 2	− 8	0	−0.86
77212	15 45 53.54	+60 17 57.3	10.16	H	236.473 066 24	+60.299 250 83		−0.36	3.91	−4.07	0.96	0.98	1.08	1.04	1.15	− 9	+ 1	− 1	−14	−22	− 1	−15	+ 9	− 6	−46	0	−0.37
77213	15 45 54.41	−24 33 33.9	8.83	H	236.476 725 02	−24.559 406 52		3.75	17.22	−27.06	1.40	0.91	1.68	1.37	1.03	−24	−41	−17	+18	−13	+15	− 1	+17	−20	−31	0	0.76
77214	15 45 54.72	+12 33 29.4	8.47	H	236.478 012 24	+12.558 156 27		5.76	−11.87	−22.29	1.17	1.02	1.24	1.50	1.47	−25	−34	− 1	+37	−24	−19	−21	+54	+ 3	−37	0	0.61
77215	15 45 55.17	+64 16 34.6	8.41	H	236.479 890 31	+64.276 286 38		3.73	12.90	12.30	0.61	0.64	0.68	0.56	0.65	+21	−21	−28	−17	+ 3	−14	+ 2	+ 6	−10	+14	0	−1.30
77216	15 45 55.40	+33 46 48.4	9.36	H	236.480 831 79	+33.780 122 01		2.17	−11.85	27.28	0.79	1.00	1.27	0.89	1.15	+27	−23	−25	− 8	+ 0	− 1	− 3	− 8	+11	+16	1	1.05
77217	15 45 55.55	−32 01 01.7	9.11	H	236.481 438 62	−32.017 146 22		0.83	−11.97	−9.58	1.18	0.75	1.43	1.23	1.03	− 9	−40	−20	+ 1	−13	+21	− 3	+17	−16	−20	0	0.81
77218	15 45 57.03	+16 22 32.6	10.69	H	236.487 629 47	+16.375 734 47		4.44	−23.25	22.86	1.91	1.68	2.17	2.46	2.90	−18	−12	+ 0	+41	− 6	+ 1	− 4	+16	− 2	−18	0	0.61
77219	15 45 58.36	−80 53 32.7	9.30	H	236.493 169 24	−80.892 429 35		6.51	19.04	1.57	0.77	0.73	0.90	0.78	0.83	+12	− 4	+ 1	−19	− 7	− 5	− 7	+ 4	+ 1	+11	0	−0.32
77220	15 45 59.74	−29 10 51.3	9.06	H	236.498 920 41	−29.180 916 38		6.26	19.76	−7.45	1.11	0.73	1.30	1.41	1.16	−11	− 6	−27	+ 3	+ 6	− 6	+ 6	+ 3	+19	−29	0	−0.13
77221 H	15 46 00.93	+00 00 42.4	9.19	H	236.503 859 12	+00.011 791 44	A	2.72	−1.07	−24.61	2.46	1.80	2.67	2.89	2.37	−11	−28	− 5	+14	+16	−15	+ 8	−26	+20	−20	0	0.07
77222	15 46 01.25	+39 06 37.8	8.76	G	236.505 209 59	+39.110 487 49		8.96	−32.97	−7.06	0.65	0.79	0.93	0.74	0.93	+ 9	−13	− 3	+ 9	− 3	+22	+ 5	+27	−18	−26	0	−1.40
77223	15 46 01.46	+65 34 47.5	8.42	H	236.506 063 70	+65.579 874 91	A	9.70	−55.60	68.72	1.01	1.00	1.00	1.06	1.06	− 9	+ 6	−23	+28	−16	+19	−13	+11	−29	−15	1	0.47
77224	15 46 02.34	−62 25 44.3	8.56	H	236.509 761 60	−62.428 974 51		1.45	4.64	6.40	0.57	0.73	1.13	0.73	0.94	−16	−11	− 5	−19	+28	− 9	+28	+10	+ 5	−25	1	−0.29
77225	15 46 03.68	−18 10 16.6	9.54	G	236.515 338 65	−18.171 288 23		0.89	−27.38	5.12	1.79	0.92	1.82	2.34	1.34	+ 2	−25	−13	−30	− 5	−14	− 8	−11	−10	+12	0	0.81
77226	15 46 04.93	+11 53 58.2	9.55	G	236.520 527 34	+11.899 511 94		16.19	−337.91	−132.32	1.78	1.03	1.75	2.23	1.59	+ 2	−47	− 7	+44	− 2	−32	−14	+28	+21	−19	0	1.24
77227	15 46 05.65	−01 48 14.8	5.39	1 H	236.523 540 97	−01.804 115 56		7.99	−21.84	−31.77	0.59	0.42	0.68	0.69	0.59	− 8	−28	−12	+28	+ 8	− 7	+ 3	+ 2	+20	−11	2	1.68
77228	15 46 06.16	−54 00 41.3	8.22	H	236.525 651 32	−54.011 466 70		3.62	−12.60	−15.71	0.78	0.80	1.18	1.01	1.09	+10	−20	−38	+18	+12	−22	+ 4	+23	− 5	+16	0	1.65
77229 H	15 46 06.95	+43 42 34.0	9.99	H	236.528 951 05	+43.709 440 15	A	6.10	−5.01	8.77	1.79	1.87	1.95	2.08	2.23	+11	−17	+ 2	+25	− 4	− 8	− 5	+ 2	+20	+10	1	0.43
77230	15 46 08.76	−41 00 45.2	8.67	H	236.536 514 34	−41.012 542 31		8.63	11.35	13.64	0.90	0.72	1.15	1.02	1.01	−20	− 9	−31	+17	− 7	+ 8	+ 2	+41	−34	−34	0	0.93
77231	15 46 10.11	−19 21 58.5	9.61	G	236.542 106 30	−19.366 255 91		7.19	−8.31	−9.62	1.65	0.83	1.82	2.06	1.22	−10	−42	− 2	−13	− 2	+18	+ 4	− 2	−16	+10	0	0.13
77232	15 46 10.85	−19 07 10.4	10.14	H	236.545 222 99	−19.119 543 86		4.61	−29.34	−16.51	2.01	0.99	2.12	2.96	1.50	−12	−14	+ 0	−31	− 6	−12	−13	− 7	−16	+23	2	−1.04
77233	15 46 11.21	+15 25 18.9	3.65	H	236.546 728 77	+15.421 926 02		21.31	68.54	−41.31	0.95	0.71	0.86	1.07	1.23	−48	−32	− 3	+60	−46	− 7	−46	+51	− 8	−64	0	0.40
77234	15 46 11.82	−01 34 09.8	8.99	H	236.549 248 82	−01.569 395 08		2.50	−10.51	−12.70	1.11	0.80	1.40	1.50	1.31	−27	−28	−14	+19	− 7	+ 0	− 7	+12	+ 1	−30	2	0.43
77235 H	15 46 12.89	−28 03 41.1	6.49	H	236.553 724 48	−28.061 427 41	B	14.69	−63.36	−22.14	1.70	1.11	1.68	1.90	1.76	+ 9	+ 4	+ 2	−28	−23	−29	−16	+17	+ 0	−24	0	0.13
77236 H	15 46 13.67	+42 28 06.1	7.35	H	236.556 940 05	+42.468 372 34	A	3.43	−34.54	19.54	0.74	0.79	0.87	0.80	0.89	+14	−16	−13	+ 1	+ 0	+15	− 1	+17	+ 4	+13	1	−0.02
77237	15 46 13.72	+06 06 40.3	7.31	H	236.557 152 81	+06.111 204 65		3.45	1.40	−17.11	0.79	0.62	0.81	0.84	0.79	−19	−24	−18	+40	−30	+ 9	−26	+43	−15	−34	0	0.99
77238	15 46 15.10	+49 46 05.1	8.56	H	236.562 929 87	+49.768 075 96		6.33	54.63	−101.07	0.75	0.86	0.91	0.94	1.12	+ 9	+11	+10	− 4	− 4	+10	− 8	−25	− 8	− 4	3	−1.89
77239	15 46 15.11	−50 54 29.8	8.45	H	236.562 974 38	−50.908 270 56		2.62	−3.91	−4.55	0.88	0.71	1.05	1.02	0.91	−10	−14	− 3	+ 6	+14	+ 5	+13	+23	+ 3	+ 4	0	0.78
77240 H	15 46 16.41	+03 39 44.1	8.40	H	236.568 378 50	+03.662 245 76	*	4.66	−39.78	−12.09	1.13	0.90	1.27	1.43	1.38	−38	−23	+21	+46	−13	+ 7	−18	+38	+32	−17	0	0.55
77241	15 46 16.45	+45 01 18.9	7.81	H	236.568 543 40	+45.021 914 79		4.01	20.52	−28.05	0.63	0.63	0.74	0.71	0.69	+ 4	−10	− 4	− 5	+21	−14	+19	+16	− 7	+14	0	0.40
77242	15 46 18.92	−57 48 44.8	7.07	H	236.578 819 56	−57.812 442 06		−0.51	−0.82	−4.37	0.66	0.58	0.78	0.75	0.74	+ 0	−18	−10	+31	−11	+ 1	− 9	+43	− 7	−11	2	0.49
77243	15 46 19.45	−44 04 57.4	8.25	H	236.581 027 68	−44.082 614 28		5.78	−20.83	−10.03	0.75	0.66	1.00	0.85	0.84	−17	−16	−26	+11	− 7	− 6	− 3	+31	− 7	−35	0	−1.17
77244	15 46 22.56	+13 43 14.7	7.93	H	236.593 997 73	+13.720 758 78		13.67	−82.70	−3.29	1.07	0.89	1.11	1.26	1.31	−27	−30	−26	+46	−43	+10	−36	+53	−17	−53	0	0.33
77245	15 46 22.99	+36 27 08.9	8.77	H	236.595 804 23	+36.452 473 63	B	13.52	−101.90	58.68	3.31	3.93	2.41	2.26	2.83	+ 4	+ 1	− 4	− 4	− 1	+ 7	+ 2	+14	− 5	−12	1	0.17
77246	15 46 23.24	−67 24 06.7	9.10	H	236.596 816 31	−67.401 849 38		1.15	−6.43	−9.78	0.62	0.83	1.34	0.68	0.99	+30	−17	−11	+ 2	− 5	−14	−10	+28	−14	+42	0	−0.86
77247	15 46 23.24	+19 54 26.8	7.64	H	236.596 831 24	+19.907 457 54		12.69	−70.34	29.20	0.85	0.85	1.13	0.97	1.18	−17	−28	−21	−12	− 2	+ 3	− 4	− 5	+14	−45	0	−1.49
77248	15 46 23.91	−82 59 45.8	9.14	H	236.599 620 02	−82.996 056 61		3.22	−9.47	−14.97	1.66	1.75	2.09	1.72	1.94	+16	−16	− 8	−15	− 7	−10	− 8	− 3	+ 5	+15	0	
77249	15 46 24.00	+15 31 36.1	6.70	1 H	236.600 016 95	+15.526 686 10		4.18	−20.07	6.64	0.96	0.75	0.99	1.15	1.34	−26	−33	−23	+49	−31	− 1	−36	+35	− 3	−64	0	−0.38
77250	15 46 24.03	−16 09 41.0	8.41	H	236.600 118 07	−16.161 390 89		2.78	−1.65	−28.38	1.06	0.63	1.17	1.16	1.07	−12	−41	−13	+11	−20	+20	− 7	+37	−23	−36	0	0.91
77251	15 46 24.42	−77 26 03.3	9.09	H	236.601 760 22	−77.434 245 14		6.02	33.47	19.58	0.75	0.83	1.00	0.90	1.09	+10	−14	+ 3	− 6	−13	− 3	−13	+ 3	−10	+17	1	−0.13
*77252	15 46 24.58	+36 26 45.1	7.56	H	236.602 400 03	+36.445 863 65	A	12.41	−102.70	55.61	1.22	1.43	1.33	1.19	1.54	− 2	+ 6	+ 5	− 4	−25	+17	−18	+28	−16	−39	1	0.17
*77253	15 46 24.52	+52 08 51.8	8.02	G	236.602 148 56	+52.147 722 32		3.76	6.36	33.30	0.59	0.63	0.69	0.65	0.74	+ 7	−12	−11	+14	+12	− 4	+11	+ 8	+12	+18	0	0.53
77254	15 46 25.98	−46 28 28.3	9.11	H	236.608 265 52	−46.474 520 55		5.43	0.70	−3.86	1.12	0.90	1.36	1.48	1.31	− 8	−13	− 8	+39	+ 4	+17	+ 6	+50	− 1	+ 2	0	1.27
77255	15 46 26.21	−39 36 38.2	11.46	G	236.609 226 00	−39.610 620 66		8.71	−205.85	−62.14	2.28	1.69	2.64	2.67	2.39	−20	−23	− 7	+25	− 2	− 1	+ 1	+39	− 5	−22	0	1.63
77256	15 46 26.62	−35 52 51.9	8.20	G	236.610 923 63	−35.881 076 09		8.46	−66.20	−11.17	0.87	0.67	1.13	1.02	1.00	−32	−18	−25	+ 0	+ 4	−25	+ 3	+15	+13	−56	0	0.03
*77257	15 46 26.75	+07 21 11.7	4.42	1 H	236.611 441 21	+07.353 239 73		85.08	−225.51	−68.52	0.73	0.52	0.80	0.83	0.66	− 2	−42	−23	+36	−18	+ 6	−14	+37	− 4	−14	0	2.36
*77258	15 46 26.65	−60 16 36.7	9.30	H	236.611 042 77	−60.276 851 68		8.58	−98.48	−115.94	0.97	1.03	1.51	1.26	1.37	+ 9	−16	−19	+56	+31	−40	+28	+43	+ 6	− 3	0	−1.69
77259	15 46 27.14	+17 31 59.3	9.64	H	236.613 092 17	+17.533 149 78		2.12	−0.32	1.60	5.74	5.80	7.70	6.29	8.04	−22	−17	− 9	−40	− 7	+23	− 4	−16	−20	−49	0	
77260	15 46 27.26	+38 51 01.0	8.24	H	236.613 576 38	+38.850 281 66		5.58	−47.59	10.29	0.65	0.73	0.92	0.75	0.90	+ 2	−11	+ 6	− 5	− 5	+19	+ 2	+17	−18	−28	0	−1.42
77261	15 46 27.33	−74 54 49.8	9.82	H	236.613 874 89	−74.913 836 77		3.83	9.17	−7.15	0.86	1.00	1.21	0.87	1.05	+28	−18	+ 2	−19	−12	− 7	−15	+12	+ 4	+34	1	−0.08
77262	15 46 27.55	−08 47 31.8	9.43	G	236.614 772 14	−08.792 161 77		17.50	−106.03	−149.87	1.47	0.85	1.45	1.64	1.11	−10	−42	− 7	+30	+ 6	− 2	+ 3	− 2	+ 4	−18	0	1.49
77263 H	15 46 28.21	+50 47 59.8	8.76	H	236.617 532 47	+50.799 949 04	*	17.63	6.02	21.06	1.96	1.70	1.05	1.25	1.22	+13	+ 8	+11	−11	+ 0	−11	+ 1	−18	+ 5	+12	0	−0.48
77264	15 46 28.36	−69 51 44.7	8.79	G	236.618 164 55	−69.862 423 23		2.78	−22.23	−52.07	0.60	0.80	1.08	0.63	0.92	+16	−17	− 8	− 3	+10	−18	+13	+13	−17	+15	0	2.11
77265	15 46 29.96	+31 16 41.8	9.34	H	236.624 826 90	+31.278 288 01		3.03	2.50	−21.06	0.76	0.86	1.32	0.81	1.01	+22	−14	+ 6	−10	− 2	− 7	+ 0	− 9	−14	+18	0	1.98
77266	15 46 30.82	−04 03 35.9	8.01	H	236.628 436 59	−04.059 960 22		3.37	18.36	−14.46	0.88	0.64	0.98	1.13	0.83	−45	− 6	− 8	+32	−23	+24	−20	+30	− 5	−19	2	0.18
77267	15 46 31.63	+71 40 02.1	8.86	H	236.631 801 98	+71.667 253 00		2.30	−38.43	30.90	0.76	0.80	0.84	0.90	0.90	+ 7	−13	−34	−18	−24	+ 3	−16	+18	−11	−21	0	−0.45
77268	15 46 32.21	−47 13 57.1	10.63	G	236.634 226 93	−47.232 520 06		39.78	−403.32	−405.33	1.86	1.49	2.62	1.94	1.73	+ 8	−44	−31	− 4	+ 8	+ 0	+ 5	+18	− 1	+ 5	8	4.98
77269 H	15 46 32.45	+19 57 14.4	10.31	H	236.635 214 68	+19.953 991 08	A	21.28	−126.22	113.19	4.71	6.86	4.98	6.05	10.52	−40	−25	+16	−29	+29	+25	+24	−49	−31	−72	0	0.34
*77270	15 46 33.89	−13 59 58.4	10.10	G	236.641 192 00	−13.999 566 46		1.15	−1.45	0.38	1.72	0.95	1.84	2.23	1.57	−10	−18	−16	+42	− 8	+25	− 5	+33	+11	−17	0	1.38
*77271	15 46 33.86	−77 02 42.2	9.42	H	236.641 074 50	−77.045 059 97		2.08	−2.28	−7.44	0.75	0.86	1.03	0.81	1.07	+20	−11	+ 7	−24	− 4	− 4	− 3	− 4	− 3	+23	1	0.94
77272	15 46 34.88	+55 28 28.6	5.94	H	236.645 343 36	+55.474 602 43		3.13	−120.14	77.50	0.49	0.49	0.54	0.62	0.63	+12	− 9	−27	+13	−12	+18	− 8	+20	− 3	+ 5	0	0.63
77273	15 46 35.87	+65 51 51.9	8.18	H	236.649 439 58	+65.864 416 76		5.38	16.05	−7.10	0.56	0.55	0.60	0.62	0.65	+12	−14	− 8	−13	− 5	− 6	− 5	+ 6	−16	+18	3	0.86
77274	15 46 36.81	−10 07 56.0	8.10	H	236.653 358 07	−10.132 224 85		5.96	−4.85	24.89	1.02	0.63	1.12	1.15	0.94	− 2	−34	−20	+22	− 2	− 3	+ 0	+20	− 8	−26	0	1.20
77275	15 46 38.69	+56 46 12.0	7.78	H	236.661 207 73	+56.769 989 96		12.79	−41.52	28.42	0.60	0.55	0.63	0.59	0.64	+13	−10	−12	−14	−12	+ 4	−14	− 3	+15	+ 1	0	−1.79
77276	15 46 39.27	+08 22 11.4	8.51	H	236.663 619 99	+08.369 829 25		1.11	−3.98	4.61	1.02	0.86	1.36	1.60	1.37	−12	−15	−33	−10	+ 2	−39	−14	− 6	+21	−41	0	−0.56
77277	15 46 39.95	+62 35 58.9	5.19	H	236.666 477 64	+62.599 694 48		12.00	40.00	−56.54	0.47	0.44	0.50	0.53	0.51	+ 1	− 2	−22	−26	+ 9	−21	+ 5	− 3	+ 0	− 2	0	1.82
77278	15 46 40.37	−48 44 12.4	6.76	H	236.668 194 67	−48.736 789 86		2.30	−7.38	−13.80	0.64	0.55	0.82	0.64	0.70	−18	−31	−15	+ 5	−12	−13	− 6	+31	− 8	−41	0	0.07
77279	15 46 40.66	−03 49 19.6	9.48	G	236.669 397 79	−03.822 110 29		9.34	5.11	5.94	1.19	0.83	1.33	1.61	1.26	−36	−23	+ 5	+35	−19	+ 8	−25	+34	+31	−18	0	0.55
77280	15 46 40.93	−46 41 58.4	7.77	H	236.670 540 09	−46.699 549 89		2.74	−8.44	−18.29	0.81	0.71	1.01	0.91	0.98	−24	−25	−17	+22	−21	+ 4	−14	+49	−11	−38	0	0.23
77281	15 46 43.05	−30 53 28.9	8.39	H	236.679 378 51	−30.891 371 86		3.07	−18.71	−6.25	1.06	0.66	1.16	1.12	0.82	−11	−47	− 3	+21	+ 2	+ 8	+ 1	+23	+ 3	− 6	0	1.26
77282	15 46 43.13	−43 14 08.6	8.08	H	236.679 695 72	−43.235 729 30		20.74	−115.21	−146.28	0.90	0.69	1.21	1.00	0.91	−11	−21	−33	+ 1	+ 0	−23	+ 0	+33	−16	−28	4	1.90
77283	15 46 43.43	+09 47 10.5	7.04	H	236.680 949 25	+09.786 261 05		8.54	−10.75	9.97	0.83	0.65	1.15	1.19	1.27	− 8	−27	−19	+24	+16	−23	− 2	− 7	+50	−32	0	−0.22
77284	15 46 43.71	+38 19 20.8	10.94	2 H	236.682 119 96	+38.322 432 24	*	4.00	13.78	−21.35	1.03	1.21	1.47	1.59	1.69	+22	−12	−14	+ 1	+ 7	+ 7	+12	+ 8	+ 4	+19	0	0.94
77285	15 46 43.94	+00 45 25.5	9.78	G	236.683 085 39	+00.757 087 92		4.56	−32.74	18.98	1.55	0.96	1.82	1.73	1.45	−16	−44	− 9	−13	− 5	+ 5	+ 6	+ 3	−27	−18	0	−1.45
77286	15 46 44.23	−34 40 56.6	5.61	H	236.684 294 08	−34.682 388 98		8.40	−19.83	−26.63	0.74	0.55	0.91	1.00	0.83	−32	− 5	−21	+10	+12	− 7	+15	+20	+ 1	−34	0	0.56
77287	15 46 45.43	−06 07 13.3	6.24	H	236.689 296 93	−06.120 358 20		3.48	−11.94	1.26	0.85	0.53	0.94	0.87	0.70	+ 2	−45	−26	+26	+ 3	+ 7	+12	+19	−16	−23	0	1.93
77288	15 46 45.60	−26 22 41.5	9.40	H	236.689 997 09	−26.378 196 63		2.39	−16.77	−23.78	1.43	0.83	1.68	1.85	1.17	−14	−23	−13	−11	+ 8	−21	+ 2	−11	+14	−19	2	0.10
77289	15 46 47.38	−52 08 46.2	7.08	H	236.697 407 65	−52.146 158 92		3.29	−3.95	0.33	0.76	0.60	0.92	0.87	0.87	− 3	−34	−13	+27	+ 2	−13	+ 5	+26	−10	−12	0	−0.92
77290	15 46 49.03	+70 22 27.3	7.76	H	236.704 273 18	+70.374 237 00		17.07	−17.02	−22.64	0.53	0.54	0.59	0.58	0.62	+ 0	−18	−11	− 2	−10	+10	− 6	+ 8	−19	− 2	0	−0.11
77291	15 46 50.17	+25 05 06.7	8.37	H	236.709 053 04	+25.085 207 58		10.86	−57.60	47.04	0.59	0.65	1.00	0.67	0.74	+ 9	−16	−17	+ 9	−20	+ 5	−20	+ 5	− 1	− 2	0	0.06
77292	15 46 50.31	+07 25 05.2	9.01	G	236.709 626 20	+07.418 104 60		23.30	95.27	−182.76	1.17	0.92	1.56	1.39	1.45	+ 3	−43	−35	+36	+15	−15	− 6	− 6	+32	−36	0	0.97
77293	15 46 50.87	−05 15 23.8	10.23	G	236.711 952 67	−05.256 608 28		16.75	−146.99	34.30	1.64	1.06	1.87	1.87	1.41	−25	−23	−13	+24	− 7	+ 5	− 7	+ 8	+ 4	−27	0	1.02
77294 H	15 46 50.97	−58 07 30.5	6.83	H	236.712 361 66	−58.125 138 44	*	7.61	−24.94	−44.41	0.61	0.61	0.81	0.68	0.76	− 3	−21	−29	+21	−22	+ 5	−15	+42	−22	−20	0	−0.58
77295	15 46 51.65	−36 56 12.4	7.95	H	236.715 219 38	−36.936 788 76		5.52	−15.87	−22.71	0.93	0.62	1.13	1.22	0.95	−13	−28	−23	+28	+10	−17	+ 5	+28	+10	−12	0	−1.41
77296	15 46 51.73	+46 17 48.3	7.82	H	236.715 562 08	+46.296 757 02		3.64	−46.11	13.73	0.56	0.61	0.69	0.61	0.64	− 2	− 3	+12	− 5	− 1	− 4	+ 0	+ 7	− 4	− 7	0	−1.43
77297 H	15 46 52.22	−17 06 31.3	7.61	H	236.717 595 59	−17.108 686 43	*	4.64	−1.97	4.10	1.15	0.68	1.23	1.40	1.15	−23	−23	+ 1	+17	−18	+ 3	−18	+33	− 9	−26	0	2.21
77298	15 46 52.31	−47 38 52.4	8.22	H	236.717 978 58	−47.647 889 65		0.72	−19.93	−4.28	0.79	0.69	1.04

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
77201	10.839	0.066	10.081	0.056		0.692	0.068	T	0.75	0.06	L	10.1275	0.0018	0.015	65		10.09	10.15					1							
77202	10.080	0.040	9.607	0.043	A	0.100	0.495	G	0.53	0.14	L *	9.6325	0.0030	0.020	50	*	9.58	9.66		D	15458+1402	I 1	2 C D	AB	133	2.452	0.107	3.67	0.33	D
77203	8.202	0.012	7.702	0.009		0.478	0.015	G	0.55	0.02	H	7.7678	0.0011	0.009	85		7.75	7.79		C			1							S
77204	9.973	0.034	9.331	0.031		0.596	0.040	T	0.67	0.04	L	9.3785	0.0033	0.023	61		9.34	9.41		C			1							
77205	10.085	0.024	9.723	0.025		0.343	0.032	T	0.40	0.04	L	9.8008	0.0025	0.027	137		9.74	9.86					1 S							
77206	8.505	0.011	8.520	0.014		−0.025	0.015	G	0.00	0.01	H	8.5327	0.0015	0.013	93		8.51	8.55					1							
77207	9.925	0.020	8.625	0.012		1.105	0.018	T	1.07	0.02	L	8.6589	0.0014	0.015	143		8.63	8.69					1							
77208	9.862	0.025	9.347	0.026		0.491	0.002	G	0.56	0.00	H	9.3912	0.0022	0.020	71		9.36	9.43		C			1							
77209	10.063	0.030	8.969	0.020		0.945	0.028	T	0.94	0.02	L	9.0383	0.0017	0.015	69		9.02	9.08		D			1							
77210	10.281	0.045	9.207	0.030		0.834	0.004	G	0.88	0.00	H	9.2730	0.0024	0.019	60		9.24	9.30		C			1							
77211	8.608	0.010	8.205	0.010		0.381	0.013	T	0.45	0.01	L	8.2730	0.0018	0.017	121		8.25	8.30					1							S
77212	11.370	0.072	10.165	0.040		1.031	0.064	T	1.00	0.05	L	10.3278	0.0031	0.030	108		10.27	10.38		C			1							
77213	10.820	0.064	9.022	0.023		1.497	0.054	T	1.52	0.08	L	8.9585	0.0039	0.020	64		8.93	8.99					1							
77214	8.973	0.016	8.510	0.016		0.436	0.021	T	0.50	0.02	L	8.5674	0.0020	0.017	60		8.54	8.61		D			1							S
77215	10.062	0.020	8.545	0.011		1.275	0.018	T	1.23	0.02	L	8.5673	0.0014	0.013	134		8.54	8.59		C			1							
77216	10.544	0.032	9.474	0.020		0.927	0.029	T	0.92	0.02	L	9.5192	0.0025	0.028	130		9.48	9.59					1							
77217	10.797	0.051	9.198	0.023		1.340	0.044	T	1.30	0.05	L	9.2569	0.0022	0.015	72		9.24	9.29		C			1							
77218	11.557	0.154	10.781	0.112		0.560	0.072	G	0.63	0.07	R	10.8145	0.0069	0.059	52		10.68	10.96					1							G
77219	9.736	0.017	9.346	0.018		0.381	0.021	T	0.45	0.02	L	9.3840	0.0017	0.017	132		9.35	9.42		C			1							
77220	9.615	0.023	9.102	0.022		0.466	0.020	G	0.54	0.02	H	9.1590	0.0015	0.014	75		9.13	9.18		C			1							
77221	10.713	0.052	9.389	0.027	A	1.400	0.495	G	1.44	0.07	B *	9.3233	0.0026	0.022	66	*	9.29	9.37		D	15460+0001	I 1	2 C A	AB	26	2.168	0.016	2.26	0.08	
77222	9.201	0.014	8.750	0.014		0.380	0.015	G	0.44	0.02	H	8.8465	0.0017	0.017	124		8.82	8.87					1							S
77223	8.993	0.024	8.453	0.023	A	0.506	0.030	T	0.58	0.03	L	8.5319	0.0074	0.024	106	A	8.50	8.57		D	15460+6535	I 1	2 C A	AB	333	13.044	0.029	3.09	0.12	S
77224	9.856	0.017	8.714	0.011		0.982	0.016	T	0.96	0.01	L	8.7295	0.0016	0.018	189		8.70	8.76		C			1 S							
77225	10.254	0.039	9.641	0.037		0.607	0.020	G	0.68	0.02	H	9.6748	0.0024	0.020	73		9.65	9.72					1							
77226	10.480	0.053	9.623	0.039		0.711	0.004	G	0.76	0.00	H	9.6900	0.0020	0.017	49		9.65	9.72		D			1							
77227	5.339	0.004	5.382	0.004		−0.035	0.005	T	−0.01	0.01	L	5.3852	0.0024	0.015	80		5.36	5.41	0.87	P 1 A			1							S
77228	9.444	0.019	8.320	0.013		0.968	0.018	T	0.95	0.01	L	8.3791	0.0021	0.015	79		8.34	8.40					1							
77229	10.632	0.041	10.010	0.037	A	0.583	0.072	G	0.65	0.07	R *	10.1114	0.0029	0.026	107	*	10.05	10.16		D	15461+4343	H 1	2 C D	AB	318	1.128	0.071	3.26	0.34	D
77230	9.097	0.015	8.688	0.015		0.387	0.020	T	0.45	0.02	L	8.7599	0.0012	0.012	92		8.74	8.78		C			1							
77231	10.214	0.036	9.724	0.038		0.484	0.020	G	0.56	0.02	H	9.7381	0.0025	0.019	80		9.70	9.77		C			1							
77232	10.694	0.057	10.333	0.069		0.351	0.079	T	0.41	0.09	L	10.2208	0.0039	0.029	80		10.17	10.27		C			1							G
77233	3.754	0.003	3.668	0.003		0.073	0.005	G	0.09	0.02	G	3.6836	0.0005	0.003	54		3.68	3.69		C	15461+1525	I 1	1							S
77234	11.024	0.096	9.201	0.033		1.500	0.040	G	1.53	0.06	R	9.1119	0.0028	0.020	75		9.08	9.15					1							
77235	6.898	0.007	6.547	0.007	*	0.332	0.007	G	0.39	0.01	R *	6.5753	0.0008	0.008	76	*	6.57	6.59		D	15462−2804	I 1	2 C A	BA	351	0.579	0.002	0.47	0.01	S
77236	8.463	0.014	7.410	0.010	*	0.914	0.013	T	0.91	0.01	L *	7.5086	0.0012	0.010	142	*	7.49	7.53		D	15462+4228	I 1	2 C A	AB	29	3.881	0.020	3.34	0.11	S
77237	9.154	0.018	7.443	0.009		1.428	0.016	T	1.42	0.03	L	7.4457	0.0019	0.012	68		7.43	7.47		C			1							S
77238	9.977	0.021	8.691	0.013		1.094	0.019	T	1.06	0.02	L	8.7306	0.0020	0.021	105		8.69	8.77		C			1							S
77239	9.205	0.017	8.519	0.015		0.634	0.019	T	0.70	0.02	L	8.5798	0.0021	0.015	90		8.55	8.60					1							
77240	9.616	0.026	8.501	0.018	*	0.961	0.025	T	0.95	0.02	L *	8.5650	0.0025	0.015	66	*	8.54	8.59		C	15463+0340	H 1	2 C S A	AB	80	0.138	0.031	1.55	0.89	S
77241	9.078	0.013	7.911	0.008		1.001	0.012	T	0.98	0.01	L	7.9763	0.0013	0.014	112		7.96	8.00		C			1							S
77242	8.918	0.015	7.218	0.007		1.420	0.013	T	1.40	0.02	L	7.2085	0.0011	0.009	88		7.19	7.23					1							S
77243	8.461	0.011	8.263	0.012		0.182	0.016	T	0.20	0.02	L	8.3130	0.0016	0.016	100		8.28	8.35					1							S
77244	8.764	0.016	8.015	0.014		0.685	0.017	T	0.74	0.01	L	8.0659	0.0013	0.012	53		8.05	8.08		D			1							S
77245	9.429	0.016	8.791	0.015	B	0.612	0.007	G	0.68	0.01	H	8.9086	0.0104			B				D	15464+3627	I 2	1 C I B							
77246	10.342	0.021	9.206	0.013		0.977	0.019	T	0.96	0.01	L	9.2688	0.0018	0.024	230		9.23	9.32		C			1							
77247	8.443	0.015	7.712	0.010		0.695	0.015	G	0.75	0.01	H	7.7816	0.0015	0.013	64		7.76	7.81		C			1							S
77248	10.766	0.036	9.271	0.017		1.258	0.031	T	1.22	0.03	L	9.3050	0.0030	0.026	139		9.27	9.35					1 X S							
77249	6.963	0.006	6.729	0.006		0.223	0.008	T	0.25	0.01	L	6.7645	0.0018	0.013	57		6.74	6.78		M			1							S
77250	9.814	0.025	8.543	0.015		1.082	0.023	T	1.04	0.02	L	8.5820	0.0013	0.012	81		8.57	8.61					1							
77251	9.789	0.018	9.172	0.017		0.571	0.018	T	0.64	0.02	L	9.2114	0.0019	0.022	147		9.18	9.26					1							
77252	8.117	0.007	7.589	0.007	A	0.495	0.009	T	0.57	0.01	L	7.6674	0.0046	0.015	146	A	7.64	7.69		D	15464+3627	I 2	1 C P B							S
77253	9.407	0.016	8.134	0.010		1.070	0.015	G	1.03	0.01	H	8.1974	0.0017	0.014	117		8.18	8.23					1							S
77254	9.553	0.023	9.154	0.025		0.390	0.028	T	0.46	0.03	L	9.1984	0.0019	0.019	79		9.17	9.24		D			1							
77255						1.135	0.008	G	1.22	0.01	I	11.6129	0.0055	0.050	95		11.51	11.68					1							G
77256	8.716	0.012	8.250	0.012		0.463	0.015	G	0.53	0.02	H	8.3004	0.0014	0.015	97		8.28	8.33		C			1							
77257	5.157	0.003	4.485	0.004		0.604	0.008	G	0.66	0.02	A	4.5434	0.0006	0.004	57		4.54	4.56		M			1							S
77258	10.073	0.023	9.391	0.020		0.619	0.023	T	0.69	0.02	L	9.4294	0.0027	0.023	118		9.39	9.49					1							
77259	10.080	0.025	9.646	0.026		0.410	0.033	T	0.48	0.04	L	9.7300	0.0037	0.030	113		9.67	9.77					1 X							G
77260	9.632	0.019	8.360	0.012		1.083	0.018	T	1.05	0.01	L	8.4075	0.0014	0.015	119		8.38	8.44					1							
77261	10.185	0.023	9.827	0.026		0.348	0.031	T	0.41	0.04	L	9.9011	0.0031	0.031	136		9.85	9.95					1							G
77262	10.397	0.040	9.490	0.030		0.841	0.003	G	0.88	0.00	H	9.5729	0.0025	0.017	75		9.55	9.60		C			1 G							
77263	9.834	0.019	8.883	0.014	*	0.838	0.018	T	0.86	0.01	L *	8.9100	0.0020	0.018	109	*	8.88	8.94		D	15465+5048	M 1	2 C A	AB	1	0.223	0.006	0.10	0.14	
77264	9.322	0.012	8.832	0.012		0.473	0.013	T	0.54	0.01	L	8.8955	0.0019	0.022	190		8.86	8.94					1							
77265	9.988	0.021	9.412	0.020		0.538	0.026	T	0.61	0.03	L	9.4538	0.0028	0.027	168		9.39	9.50					1							
77266	10.184	0.027	8.229	0.011		1.622	0.023	T	1.64	0.02	L	8.1264	0.0015	0.015	121		8.09	8.16					1							
77267	10.106	0.024	8.958	0.015		0.986	0.022	T	0.97	0.02	L	9.0242	0.0023	0.022	112		8.99	9.06		C			1							
77268	12.461	0.356	10.974	0.150		1.309	0.015	G	1.51	0.02	I	10.6955	0.0053	0.036	89		10.60	10.76		C			1 S							G
77269						1.594	0.197	G	2.59	0.45	I *	10.3095	0.0056	0.031	61	*	10.25	10.36		D	15465+1957	M 1	2 C A	AB	137	0.823	0.008	0.26	0.04	
77270	10.716	0.053	10.231	0.056		0.549	0.015	G	0.62	0.01	H	10.1977	0.0028	0.022	74		10.16	10.24		C			1							G
77271	9.410	0.015	9.441	0.020		−0.026	0.022	T	0.00	0.02	L	9.4229	0.0027	0.025	146		9.38	9.48					1							
77272	7.772	0.006	6.092	0.003		1.404	0.005	T	1.38	0.01	L	6.0789	0.0010	0.009	112		6.06	6.09					1							S
77273	8.448	0.010	8.205	0.011		0.254	0.015	G	0.29	0.02	H	8.2502	0.0012	0.010	101		8.24	8.27		C			1							S
77274	9.548	0.021	8.237	0.012		1.117	0.015	G	1.08	0.02	H	8.2665	0.0017	0.015	86		8.24	8.29					1							S
77275	9.146	0.013	7.910	0.009		1.055	0.012	T	1.02	0.01	L	7.9485	0.0009	0.009	108		7.93	7.97		C			1							S
77276	9.743	0.022	8.623	0.015		0.965	0.021	T	0.95	0.02	L	8.6756	0.0026	0.018	68		8.65	8.70		C			1							
77277	5.262	0.002	5.200	0.003		0.062	0.003	T	0.07	0.00	L	5.2198	0.0006	0.005	108		5.21	5.23		C			1							S
77278	6.726	0.004	6.751	0.006		−0.018	0.007	T	0.00	0.01	L	6.7584	0.0011	0.011	100		6.74	6.79					1							S
77279	10.257	0.035	9.518	0.028		0.672	0.015	G	0.73	0.01	H	9.6136	0.0024	0.018	104		9.58	9.65		C			1							
77280	8.927	0.013	7.870	0.009		0.917	0.012	T	0.92	0.01	L	7.9345	0.0018	0.013	80		7.92	7.96		C			1							
77281	9.000	0.013	8.431	0.012		0.536	0.013	T	0.61	0.01	L	8.5106	0.0016	0.015	82		8.49	8.54		C			1							
77282	8.879	0.013	8.150	0.011		0.659	0.015	G	0.72	0.01	H	8.2209	0.0014	0.013	91		8.20	8.24		D	15467−4314	I 1	1							
77283	7.260	0.008	7.048	0.009		0.202	0.011	T	0.22	0.01	L	7.1022	0.0013	0.008	58		7.08	7.12					1							S
77284	11.942	0.136	10.523	0.058		1.215	0.122	T	5.34	0.96	K	9.6458	0.0222	0.170	115		9.30	9.83		U 2			1 V							G
77285	10.370	0.038	9.861	0.037		0.530	0.015	G	0.60	0.02	H	9.8672	0.0039	0.021	66		9.82	9.91			15467+0045	I 1	1							
77286	5.461	0.002	5.588	0.002		−0.117	0.001	G	−0.10	0.00	H	5.5758	0.0008	0.005	96		5.57	5.59			15467−3441	I 1	1							S
77287	7.747	0.009	6.375	0.005		1.169	0.002	G	1.13	0.00	H	6.4103	0.0008	0.006	66		6.40	6.42		C			1							S
77288	11.213	0.071	9.514	0.027		1.428	0.064	T	1.42	0.10	L	9.5237	0.0033	0.029	85		9.48	9.57					1 S							
77289	7.014	0.006	7.071	0.008		−0.031	0.010	G	−0.01	0.01	H	7.0743	0.0012	0.011	75		7.06	7.09		C			1							S
77290	8.344	0.012	7.822	0.009		0.490	0.014	T	0.56	0.01	L	7.8642	0.0011	0.009	120		7.84	7.89					1 G							S
77291	9.150	0.013	8.424	0.011		0.666	0.014	T	0.73	0.01	L	8.5054	0.0018	0.018	137		8.46	8.54					1							S
77292			9.526	0.028		0.816	0.015	G	0.86	0.01	H	9.1437	0.0026	0.017	55		9.11	9.17		C			1							
77293	11.528	0.133	10.175	0.058		0.950	0.015	G	1.00	0.01	I	10.3203	0.0040	0.025	71		10.25	10.36		C			1							G
77294	7.063	0.006	6.852	0.006	*	0.202	0.008	T	0.22	0.01	L *	6.8937	0.0013	0.010	85	*	6.88	6.91		D	15469−5808	I 1	2 C S A	AS	169	0.138	0.005	0.50	0.31	S
77295	8.105	0.010	7.960	0.011		0.140	0.014	T	0.15	0.01	L	8.0043	0.0016	0.013	88		7.98	8.03		C			1							S
77296	9.778	0.017	8.008	0.008		1.475	0.015	T	1.49	0.02	L	7.9456	0.0015	0.014	140		7.92	7.97					1							S
77297	9.137	0.017	7.743	0.010	*	1.179	0.016	T	1.14	0.01	L *	7.7802	0.0015	0.010	81	*	7.76	7.82		D	15469−1707	H 1	2 C S A	AB	336	0.148	0.014	1.25	0.32	S
77298	10.360	0.034	8.386	0.013		1.637	0.029	T	1.66	0.03	L	8.3291	0.0022	0.017	100		8.31	8.35					1							
77299	10.649	0.036	9.112	0.017		1.291	0.031	T	1.25	0.03	L	9.1537	0.0025	0.021	127		9.11	9.19					1							
77300	9.573	0.016	9.263	0.018		0.294	0.023	T	0.34	0.03	L	9.3349	0.0029	0.029	166		9.29	9.38					1 S							
																												22121		63810

Number HIP 1 2	Descriptor: epoch J1991.25 RA h m s 3	Dec ±° ′ ″ 4	V mag 5 6 7		Position: epoch J1991.25 α (ICRS) deg 8	δ deg 9 10	Par. π mas 11	Proper Motion $\mu_{\alpha*}$ mas/yr 12	μ_δ 13	Standard Errors α* mas 14	δ 15	π mas 16	$\mu_{\alpha*}$ mas/yr 17	μ_δ 18	Astrometric Correlations (%) 19	20	21	22	23	24	25	26	27	28	Soln F1 % 29	F2 30
77301	15 46 53.91	+46 59 10.5	7.21	G	236.724 607 81	+46.986 246 64	27.52	−108.24	6.20	0.51	0.52	0.61	0.55	0.55	+ 5	− 1	+ 4	−15	+ 1	−21	+ 1	+ 3	+ 5	+ 9	0	−1.53
77302	15 46 55.36	−09 26 03.1	9.64	G	236.730 662 67	−09.434 185 26	−0.77	−2.49	4.12	1.75	1.03	1.65	2.20	1.40	+ 4	−19	−22	+42	+16	+ 8	+16	+ 1	+ 2	− 2	2	2.25
77303 H	15 46 57.27	+51 58 46.2	8.36	H	236.738 613 70	+51.979 492 08 A	8.76	−31.49	56.30	1.04	1.10	1.09	1.07	1.16	+ 8	−11	−24	+17	+ 5	+ 1	+ 3	+ 3	+ 8	+ 8	3	−0.66
77304	15 46 57.35	+34 36 48.2	9.39	H	236.738 940 61	+34.613 386 58	4.47	−16.66	−14.83	0.76	0.95	1.18	0.90	1.12	+16	− 8	−16	− 7	−13	+10	− 9	+11	+ 9	− 2	1	2.83
77305	15 46 58.32	−61 46 59.8	8.71	G	236.742 989 55	−61.783 269 25	15.79	−215.76	−207.53	1.03	1.51	1.27	1.36	1.56	−53	−24	+ 1	−38	+36	+ 3	+35	−23	− 3	−50	0	−0.59
77306 H	15 46 58.69	−64 24 28.3	8.37	H	236.744 527 73	−64.407 860 04 *	0.55	−3.55	−5.90	0.59	0.64	0.91	0.68	0.80	+ 0	−10	− 6	+ 7	+16	−11	+19	+16	− 4	−11	0	0.06
77307	15 46 58.73	−28 34 13.5	9.66	G	236.744 691 45	−28.570 429 88	6.23	−48.08	−221.28	1.46	0.84	1.59	1.97	1.36	− 4	+ 4	−26	−29	+ 5	−18	+ 0	− 3	− 8	− 1	7	1.17
77308 H	15 46 59.36	−36 34 58.4	9.19	G	236.747 333 42	−36.582 881 38 *	4.48	−4.23	6.04	1.02	0.83	1.40	1.22	1.17	−30	−19	−34	+ 9	+ 2	−21	− 2	+20	+10	−52	0	0.36
77309	15 46 59.56	+69 28 38.8	7.50	H	236.748 178 19	+69.477 450 57	4.22	−3.22	9.94	0.52	0.55	0.58	0.55	0.62	− 2	− 3	−17	+17	−16	+13	−12	+28	−26	−21	0	−0.13
77310	15 47 00.08	−62 47 48.4	7.10	H	236.750 336 66	−62.796 782 15	25.20	90.83	92.86	0.44	0.54	0.83	0.55	0.66	− 1	−18	−34	− 5	+27	−25	+22	+ 0	+ 1	−20	1	−0.01
77311	15 47 00.27	−52 53 16.5	8.70	G	236.751 119 73	−52.887 919 17 A	1.08	−3.37	−10.44	1.45	1.26	1.82	1.66	1.67	+ 0	− 6	−14	+21	+ 9	− 7	+11	+30	−24	+ 7	3	0.76
77312 H	15 47 02.15	+41 43 11.0	8.15	G	236.758 973 22	+41.719 720 69 *	6.02	−21.21	0.44	0.55	0.58	0.69	0.59	0.65	− 6	− 7	− 7	+ 7	− 8	+ 5	− 3	+26	−12	−23	0	1.01
77313	15 47 03.34	−07 27 34.8	9.05	H	236.763 920 66	−07.459 677 38	2.03	19.19	15.31	1.25	0.72	1.26	2.04	1.22	+ 2	− 7	−13	− 6	−13	− 5	−21	+20	−23	+39	5	0.04
77314	15 47 04.18	+11 31 40.9	7.68	H	236.767 412 46	+11.528 040 17	4.69	−20.63	7.76	1.09	0.71	1.18	1.32	1.05	−11	−46	+12	+30	− 9	−29	−10	+19	+12	−15	0	−0.52
77315 H	15 47 04.47	−35 30 37.0	6.82	G	236.768 627 36	−35.510 285 71 A	7.64	−21.59	−24.32	1.54	1.07	1.66	1.52	1.37	−35	−12	−11	+10	+13	− 9	+10	+33	− 4	−10	2	−0.49
77316	15 47 04.51	+27 31 13.7	9.25	H	236.768 810 83	+27.520 476 16	10.97	−88.37	−78.96	0.69	0.78	1.27	0.73	0.88	+32	−12	−15	+28	+ 4	− 3	+ 1	+18	− 7	+ 1	2	1.51
77317	15 47 06.18	−35 31 04.7	7.34	G	236.775 753 04	−35.517 977 99	8.45	−19.32	−24.58	0.83	0.60	1.06	0.97	0.88	−32	−17	−26	−14	+ 9	−15	+11	+11	+ 4	−50	0	2.03
77318	15 47 06.30	−15 14 11.7	8.34	H	236.776 262 62	−15.236 595 46	7.59	−20.33	−13.66	1.05	0.63	1.08	1.11	0.93	−10	−27	+ 2	+16	− 8	+ 8	− 8	+31	+ 1	−16	0	2.88
*77319	15 47 07.32	−74 02 38.8	7.68	H	236.780 481 82	−74.044 100 78	3.93	−8.80	−13.09	0.49	0.57	0.75	0.53	0.63	+20	+ 2	+ 5	− 4	+ 4	+ 7	+ 2	+12	+20	+35	0	1.26
*77320 H	15 47 06.91	−72 26 37.1	8.89	H	236.778 777 64	−72.443 636 31 A	1.47	−4.03	−8.27	1.10	1.39	1.58	0.99	1.60	+24	−25	− 9	− 5	+ 7	+ 0	+ 8	+27	−10	+26	1	0.90
77321	15 47 08.87	−43 08 44.5	10.77	G	236.786 939 85	−43.145 693 86	0.22	−0.92	−2.88	1.61	1.24	2.22	1.80	1.78	− 7	−19	−27	+ 5	− 8	− 8	+ 2	+37	−33	−28	0	0.52
77322	15 47 09.73	−33 17 11.3	8.50	H	236.790 551 41	−33.286 464 23	9.88	−7.46	−11.50	0.94	0.66	1.18	1.38	1.02	−35	+ 5	− 9	+18	+ 8	− 2	+ 5	+30	−14	− 3	0	−1.04
77323	15 47 09.76	+30 33 56.5	7.80	H	236.790 654 18	+30.565 697 71	2.57	−12.15	−21.70	0.47	0.57	0.85	0.50	0.66	+ 8	− 1	+ 1	−17	+ 0	−12	+ 2	−11	−20	− 1	0	1.19
77324	15 47 11.68	+27 13 31.2	8.10	H	236.798 669 73	+27.225 333 92	3.25	5.19	−0.19	0.48	0.56	0.96	0.48	0.63	+27	−18	−13	+19	+ 5	− 7	+ 2	+ 7	− 7	− 2	2	1.67
*77325	15 47 12.87	−42 12 15.8	7.38	G	236.803 609 81	−42.204 379 63	17.67	−4.56	−142.75	0.73	0.60	0.91	0.85	0.81	−15	−14	−24	+10	− 9	+ 7	+ 0	+37	−16	−34	0	−0.10
*77326	15 47 12.87	−06 30 28.4	10.48	G	236.803 615 78	−06.507 884 99	12.85	41.00	6.70	1.78	1.08	1.74	2.14	1.46	+ 4	−13	− 9	+38	+16	+15	+16	+ 9	+ 5	− 7	0	0.98
*77327	15 47 11.90	+15 09 15.0	9.74	2 H	236.799 585 14	+15.154 155 38	16.30	190.59	−366.53	1.59	1.41	2.17	3.58	3.42	−43	− 2	+18	+25	−29	−58	−33	+18	+10	−64	0	−1.00
77328	15 47 14.35	−18 01 39.1	10.26	H	236.809 776 37	−18.027 528 52	3.21	−30.22	18.38	2.15	1.09	2.27	3.14	1.86	− 4	−14	−16	−21	− 8	−19	−16	+ 9	− 7	+ 5	0	−0.54
77329	15 47 15.40	−08 27 10.4	7.62	H	236.814 177 77	−08.452 888 23	5.36	−32.82	−28.31	0.87	0.61	0.92	1.17	0.92	−17	−18	−12	+20	−16	+ 9	−13	+31	−13	−20	2	2.86
77330	15 47 15.80	−32 36 53.8	8.61	H	236.815 828 28	−32.614 947 09 A	7.78	−37.34	−41.46	2.55	1.53	2.17	2.52	2.07	+ 1	−18	−16	− 3	−14	− 5	−18	+24	−17	+ 0	17	1.98
*77331	15 47 16.49	−32 36 47.8	10.32	H	236.818 706 23	−32.613 280 47 B	10.15	−33.02	−48.32	11.83	7.75	7.66	9.28	7.95	+ 2	−12	−16	− 8	−15	− 7	−20	+21	−22	+ 2	17	1.98
*77332	15 47 16.35	−02 37 01.7	8.19	H	236.818 139 42	−02.617 137 06	5.37	−35.92	−23.53	1.04	0.67	1.09	1.30	0.91	−10	− 1	−14	+44	− 1	+25	+ 5	+19	− 3	−11	0	0.61
77333	15 47 16.65	−44 41 45.6	9.15	H	236.819 393 97	−44.696 001 60	10.94	21.21	17.34	1.03	0.83	1.30	1.32	1.11	− 2	− 8	−20	+22	+10	− 5	+ 9	+31	−16	+ 9	0	0.75
77334	15 47 17.20	−16 10 29.0	9.78	H	236.821 664 80	−16.174 720 08	1.99	14.84	−0.89	6.60	4.12	7.18	7.12	5.86	−17	−27	− 6	+ 7	− 3	− 8	− 5	+ 7	+ 3	−34	4	
77335	15 47 17.23	−00 16 11.5	6.94	H	236.821 796 53	−00.269 856 99	20.72	−243.50	−23.83	0.81	0.54	0.90	1.01	0.79	−15	−31	− 7	+17	+17	− 9	+20	−17	+ 9	− 4	0	0.54
77336	15 47 17.35	+14 06 55.0	5.71	G	236.822 300 86	+14.115 271 57	12.95	−54.99	31.57	1.01	0.68	1.01	1.28	1.07	−27	−21	−24	+55	−38	+31	−31	+49	−22	−48	0	−0.20
77337	15 47 20.11	−12 13 16.6	7.95	H	236.833 773 60	−12.221 286 78	3.83	26.35	−4.61	0.85	0.51	0.89	0.98	0.72	+ 0	−28	− 4	+23	+10	+23	+15	+19	− 5	− 6	0	−0.61
77338	15 47 20.32	−20 28 08.9	7.85	H	236.834 686 53	−20.469 147 66	15.75	−88.78	−116.92	0.94	0.57	1.16	1.09	0.79	−11	−37	−20	+ 6	− 8	+40	+11	+22	−24	−30	0	1.19
77339	15 47 20.36	−27 05 13.7	7.79	H	236.834 838 34	−27.087 152 14	3.15	10.96	1.54	0.94	0.60	1.08	1.05	0.82	−23	−13	−10	−25	+11	−22	+ 7	−19	+ 9	−29	5	1.52
77340	15 47 20.41	+10 29 17.8	8.61	H	236.835 032 55	+10.488 273 34	4.62	4.70	−15.93	1.25	1.00	1.80	1.73	2.16	−21	−40	+13	+38	− 3	−42	−23	+16	+61	−52	0	−0.75
77341	15 47 22.13	+25 51 55.6	9.06	H	236.842 222 03	+25.865 456 98	−2.08	14.12	−2.27	0.88	0.84	1.31	1.11	1.00	− 3	− 9	+18	+41	−17	+ 1	−16	− 7	+ 6	+ 2	0	−0.01
77342	15 47 22.33	−10 17 44.1	7.99	2 H	236.843 050 36	−10.295 574 50	0.16	−15.15	2.98	0.97	0.66	1.10	1.07	0.88	−13	−31	−22	+19	− 1	− 5	+ 3	+15	−15	−24	0	1.35
77343	15 47 22.35	−17 33 52.1	10.77	H	236.843 137 56	−17.564 483 14	−3.46	0.29	−4.14	2.52	1.38	2.63	3.66	2.52	− 8	− 6	− 6	−24	−20	−26	−24	+12	+ 0	−21	0	2.46
77344	15 47 22.42	−05 07 07.9	8.70	G	236.843 416 49	−05.118 856 66	9.26	−42.17	−3.31	1.15	0.78	1.30	1.23	0.96	−36	−31	+ 0	+24	−13	+12	− 6	+19	−16	−24	0	−0.24
77345	15 47 22.84	+44 35 55.5	7.30	H	236.845 149 71	+44.598 750 01	3.28	19.27	12.67	0.58	0.57	0.68	0.74	0.70	+10	−13	− 1	+ 9	+11	+ 6	+10	+20	− 2	+20	1	−0.26
77346	15 47 22.95	−62 08 52.2	7.69	H	236.845 618 76	−62.147 823 85	3.39	−20.54	−10.71	0.51	0.61	0.96	0.62	0.79	− 4	− 6	−21	+ 1	+22	−15	+22	+ 7	+ 1	−18	0	−0.12
77347	15 47 23.34	−25 52 03.5	7.80	H	236.847 259 88	−25.867 645 87	5.84	−20.70	−27.38	0.95	0.62	1.10	1.05	0.76	−17	−29	−23	+22	− 6	+ 9	− 6	+18	+ 7	−20	2	0.93
77348	15 47 24.17	−01 03 48.6	8.05	H	236.850 704 35	−01.063 505 45	13.54	−41.23	37.23	0.97	0.66	1.25	1.03	1.04	−14	−45	−20	+20	+22	−11	+10	−16	+28	−29	0	1.42
77349	15 47 24.84	−10 53 44.3	11.27	G	236.853 500 85	−10.895 636 01	64.16	−326.12	−356.06	2.39	1.50	2.49	2.57	2.01	− 1	−35	−19	+22	+16	+ 1	+19	− 8	− 7	−18	4	0.79
77350	15 47 25.64	−40 11 38.8	6.41	H	236.856 826 65	−40.194 106 49	7.87	−156.61	−42.63	0.65	0.56	0.78	0.69	0.75	−38	−25	−17	+10	−15	+ 3	− 5	+37	−19	−52	0	1.17
77351	15 47 25.81	+18 48 52.9	7.80	H	236.857 562 43	+18.814 698 41	2.54	−4.85	−19.65	0.93	0.82	1.06	1.03	1.25	−15	−19	+ 1	−47	+ 5	− 6	+ 1	−38	+ 0	−35	2	−0.32
77352	15 47 25.84	+18 50 58.0	8.20	H	236.857 652 75	+18.849 430 80	1.73	2.50	−21.28	0.91	0.95	1.15	0.97	1.33	−24	−25	− 1	−39	+11	+ 7	+ 6	−40	+ 2	−39	2	0.76
77353 H	15 47 26.04	+59 29 08.5	7.84	H	236.858 494 77	+59.485 690 46 A	2.30	−41.53	22.36	3.30	1.97	0.83	0.81	0.84	−35	+ 1	− 2	−11	− 9	+12	− 5	− 7	−14	−45	1	1.95
77354	15 47 26.84	+01 32 45.7	6.53	H	236.861 841 57	+01.546 039 13	7.44	14.75	−31.01	0.74	0.56	0.87	0.84	0.82	−31	−38	−12	+22	−12	− 6	−12	+15	− 1	−47	0	−2.49
77355	15 47 27.29	+61 01 21.9	8.54	G	236.863 727 66	+61.022 738 44	6.43	13.26	2.25	0.60	0.62	0.69	0.59	0.67	− 6	− 5	− 9	−22	−10	−10	− 7	+ 6	+ 8	−27	1	−1.25
77356	15 47 28.98	+32 28 55.0	8.76	H	236.870 763 47	+32.481 931 27	2.00	−2.36	8.49	0.63	0.74	1.00	0.70	0.80	+23	− 8	+ 2	− 7	− 3	−13	− 2	− 7	− 9	+17	0	−0.12
*77357	15 47 29.48	−33 28 01.8	8.72	H	236.872 818 06	−33.467 178 54	9.17	13.48	6.47	1.01	0.71	1.27	1.48	1.13	−35	− 4	+ 0	+20	+ 0	−11	− 2	+34	−10	−13	0	0.70
*77358	15 47 29.41	−37 54 56.9	6.01	G	236.872 536 19	−37.915 792 30	65.60	−416.81	−213.86	0.64	0.49	0.77	0.83	0.70	−31	−15	−11	+13	− 7	−15	− 9	+36	− 3	−30	2	0.60
77359	15 47 30.72	+34 59 27.4	8.96	H	236.877 987 70	+34.990 939 00	2.59	3.10	−1.96	0.69	0.81	0.99	0.79	0.97	+14	− 6	− 3	− 2	− 6	+ 3	− 4	+15	− 4	+ 2	0	1.09
77360	15 47 31.26	−21 14 01.1	8.00	H	236.880 261 14	−21.233 638 91	2.02	−11.23	−11.16	1.25	0.76	1.47	1.65	1.00	+ 6	−31	−29	+12	− 3	+38	+11	+12	−28	−12	0	0.56
77361	15 47 31.45	−77 27 37.7	8.11	H	236.881 045 09	−77.460 484 93	1.46	−6.24	−8.45	0.58	0.68	0.82	0.61	0.82	+17	−17	+ 9	−22	− 6	− 8	− 5	+ 2	− 9	+23	1	0.83
77362	15 47 31.96	+59 34 07.2	6.53	G	236.883 174 43	+59.568 674 88	4.34	−27.86	−21.12	0.44	0.47	0.52	0.45	0.51	+ 0	− 8	−13	−13	−15	+10	−13	− 6	− 1	−29	2	1.50
77363	15 47 32.45	+49 52 58.9	9.26	G	236.885 188 09	+49.883 024 50	4.78	−12.04	21.13	0.82	0.83	0.94	0.94	1.08	+18	+ 3	+ 5	− 6	+ 2	+14	+ 2	− 6	+18	+21	0	−0.77
77364	15 47 33.13	−41 27 57.8	10.27	H	236.888 060 89	−41.466 068 65	6.03	−6.78	−48.60	1.49	1.24	1.75	1.98	1.84	−26	+ 1	−23	+25	−26	+ 8	−24	+47	−15	−34	0	−1.02
77365	15 47 33.77	+33 53 39.3	8.80	H	236.890 725 43	+33.894 244 99	2.12	−7.96	−17.85	0.73	0.87	1.10	0.84	1.00	+29	−11	−15	− 5	−11	− 5	−10	+ 2	+ 0	+ 7	1	0.25
77366	15 47 33.98	−14 37 34.2	9.34	G	236.891 586 99	−14.626 167 88	2.21	−8.70	−8.95	1.31	0.83	1.42	1.64	1.30	−22	− 6	−11	+21	−12	+11	−11	+29	+10	−25	0	0.31
77367	15 47 34.44	−10 05 18.8	9.73	G	236.893 513 58	−10.088 569 38	7.32	46.77	−52.69	1.50	0.95	1.71	1.56	1.31	−12	−41	−19	+23	− 6	−13	− 7	+21	− 2	−33	0	2.87
77368	15 47 35.45	+45 04 28.8	8.93	H	236.897 720 81	+45.074 656 23	4.61	−24.18	−8.93	0.83	0.80	0.94	0.93	0.95	+15	− 3	− 2	+ 2	+23	+ 4	+23	+20	−16	+22	0	0.04
77369	15 47 37.69	−22 05 20.7	11.01	2 H	236.907 059 72	−22.089 070 91	−0.15	−19.66	−1.20	2.41	1.37	2.85	3.29	1.87	−13	−13	−24	−16	− 5	+10	− 1	− 1	−21	− 1	0	0.01
*77370 H	15 47 37.91	+55 22 35.8	5.85	G	236.907 973 51	+55.376 615 23 A	12.56	12.64	4.82	0.52	0.53	0.52	0.59	0.63	− 3	− 6	−10	+25	−12	+19	−12	+19	+ 1	− 8	1	−0.54
*77371	15 47 37.84	+02 29 05.7	9.71	H	236.907 684 01	+02.484 921 40	4.68	4.56	18.16	1.52	1.17	1.77	1.87	1.88	−33	−47	−11	+49	−27	−26	−38	+40	+25	−57	0	−0.43
77372	15 47 38.14	−09 28 49.7	7.00	H	236.908 934 98	−09.480 482 83	19.60	−73.00	16.83	0.85	0.52	0.99	0.93	0.69	− 9	−44	−18	+ 9	+ 5	+21	+14	+ 3	− 9	−19	2	3.28
77373	15 47 40.80	+28 28 09.6	7.43	H	236.920 003 08	+28.469 332 12	10.81	−51.71	50.03	0.39	0.54	0.87	0.40	0.63	+26	− 5	− 8	+ 4	+15	−16	+18	+12	− 9	+12	2	1.49
77374	15 47 40.92	−29 18 50.3	9.03	H	236.920 512 48	−29.313 958 51	7.73	−50.48	−105.81	1.54	1.48	1.40	2.25	2.24	−51	− 0	−29	−49	+75	− 6	+64	−75	+19	−83	0	1.82
77375	15 47 41.82	−55 52 54.9	8.38	H	236.924 242 99	−55.881 910 30	1.78	−1.12	−3.29	0.95	0.78	1.13	1.18	1.04	− 1	− 4	− 1	+ 4	+ 2	− 1	+ 5	+41	+ 3	− 6	0	−0.15
77376	15 47 42.62	+19 17 47.3	8.39	H	236.927 563 05	+19.296 474 56	2.50	−8.66	−7.17	0.90	0.95	1.18	1.17	1.77	−31	−25	+11	−40	+16	+26	+13	−32	−19	−58	0	0.84
77377	15 47 43.74	+47 53 34.8	8.62	H	236.932 252 35	+47.893 004 89	6.14	−7.54	4.91	0.65	0.80	0.83	0.69	0.86	− 1	−14	+ 3	−15	− 9	− 1	−11	−16	+12	−11	3	−2.11
77378	15 47 44.40	−48 57 50.6	10.40	H	236.935 014 70	−48.964 042 11	4.19	−8.78	−12.18	1.69	1.42	2.21	1.94	1.79	+ 7	−25	−23	+10	+ 4	− 6	+ 5	+33	− 1	− 3	0	0.82
77379 H	15 47 45.05	+33 00 43.0	7.04	H	236.937 725 96	+33.011 951 51 *	3.37	−16.09	15.74	0.91	0.98	0.76	0.60	0.72	+ 4	+ 6	+ 1	−13	+10	− 6	+10	−31	+20	+16	1	−0.87
77380	15 47 45.97	+52 57 28.4	9.23	H	236.941 544 91	+52.957 898 42	2.99	−8.22	−1.57	0.78	0.85	0.92	0.94	1.05	+15	−18	−16	+ 0	+ 5	−12	+ 2	+18	+ 5	+16	3	0.27
77381	15 47 46.39	+45 43 58.4	6.76	H	236.943 287 39	+45.732 881 32	5.22	−25.80	0.33	0.46	0.49	0.55	0.49	0.54	+ 2	−10	+ 5	− 3	+ 9	− 3	+11	+18	− 6	− 1	0	0.34
77382	15 47 47.83	−66 22 16.0	10.10	G	236.949 309 77	−66.371 108 74	1.24	−6.17	−9.83	1.01	1.28	1.91	1.08	1.78	+ 3	− 6	+ 6	−30	−13	− 3	−13	+22	+ 6	− 5	1	2.84
77383	15 47 47.87	−57 48 29.7	8.96	G	236.949 469 78	−57.808 258 15	3.47	19.56	−11.60	0.97	0.95	1.22	1.21	1.31	−13	−16	−10	+34	−27	− 7	−26	+44	−12	−26	0	−1.55
77384	15 47 48.33	+04 17 54.1	7.19	H	236.951 383 55	+04.298 357 27	6.61	−23.55	−11.89	0.85	0.62	0.86	1.09	0.86	− 6	−18	+ 2	+45	− 5	+ 8	− 3	+40	− 4	+ 3	0	−0.42
77385	15 47 48.58	+70 36 25.8	9.53	H	236.952 424 92	+70.607 172 02	1.32	−7.51	−0.50	0.80	0.81	0.87	0.97	0.96	+14	−12	−20	−12	+ 2	−14	+ 1	+ 2	−11	+ 8	1	−1.14
77386	15 47 50.19	−69 00 31.6	9.12	H	236.959 130 59	−69.008 788 81	4.43	−25.07	−8.45	0.60	0.89	1.22	0.71	1.06	+39	−10	− 4	+ 4	+14	−15	+12	+19	−11	+49	0	2.38
77387	15 47 50.26	+03 32 34.9	7.69	H	236.959 417 70	+03.543 039 19	2.65	−23.03	3.06	0.88	0.70	0.97	1.09	0.95	−31	−28	− 4	+38	−23	+ 8	−20	+40	− 6	−20	0	1.74
77388	15 47 51.17	−38 15 35.8	8.06	G	236.963 216 18	−38.259 936 84	7.33	−15.62	−30.63	0.85	0.62	1.05	1.04	0.92	−23	−19	−22	+11	− 9	−18	− 6	+36	−15	−37	0	0.92
77389	15 47 51.26	+04 57 09.6	10.59	H	236.963 572 21	+04.952 661 24	1.25	−4.68	−3.46	1.76	1.28	2.07	2.26	1.92	−19	−32	−17	+19	−28	+13	−20	+31	−19	−17	0	0.18
77390 H	15 47 53.10	−65 26 31.9	5.54	G	236.971 230 90	−65.442 189 88 A	8.03	−27.98	−41.74	1.11	1.20	1.29	1.08	1.39	− 8	−23	− 1	−28	− 5	−10	− 3	+ 9	− 8	−10	2	2.81
77391	15 47 54.91	−48 37 48.5	10.45	H	236.978 800 22	−48.630 126 98	0.58	−4.75	−0.81	1.45	1.17	1.86	1.61	1.50	+ 2	−17	−14	+10	+ 4	− 8	+ 3	+25	+ 2	− 3	0	−0.71
77392	15 47 55.13	−12 41 46.1	9.91	H	236.979 720 17	−12.696 132 55	1.42	−2.99	−13.88	1.34	0.73	1.39	1.76	1.12	+ 0	−14	+ 2	+32	+17	+27	+21	+15	− 1	+ 5	0	0.77
77393 H	15 47 55.36	−35 43 09.2	8.42	G	236.980 670 89	−35.719 210 24 A	5.25	18.30	−40.12	1.99	1.30	2.24	2.11	1.90	−22	−24	−10	− 2	+16	− 9	+26	+10	−19	−24	1	−0.44
77394	15 47 56.42	−25 59 13.0	6.98	H	236.985 101 62	−25.986 931 48	7.59	44.81	−8.40	0.87	0.57	0.96	0.95	0.70	−19	−33	−13	+28	−11	+ 6	−10	+28	+ 3	−20	2	1.49
77395	15 47 56.93	−38 02 03.4	8.97	H	236.987 195 64	−38.034 271 82	4.22	−1.59	−3.02	1.12	0.73	1.35	1.35	1.08	−20	−26	− 8	+ 6	+ 0	−21	+ 0	+30	+ 0	−25	0	0.59
77396	15 48 01.45	−37 40 31.3	7.47	H	237.006 045 60	−37.675 371 72	7.84	26.77	−34.20	0.76	0.61	0.91	1.03	0.87	−36	− 6	−13	+ 7	+ 3	−15	+ 1	+28	− 4	−31	0	−0.75
77397	15 48 01.79	+31 44 08.6	6.41	1 H	237.007 468 80	+31.735 721 58	3.96	1.81	−43.76	0.41	0.45	0.67	0.47	0.50	+17	−12	− 5	−11	− 5	−13	− 4	−17	− 9	+10	0	−0.28
77398	15 48 02.41	−56 37 37.0	9.83	H	237.010 048 00	−56.626 931 60	5.55	−6.44	−14.02	1.19	1.06	1.49	1.68	1.38	+22	−17	+ 6	+25	+27	− 6	+22	+40	+ 3	+42	0	2.62
77399 H	15 48 03.31	−25 12 56.0	7.15	H	237.013 784 82	−25.215 551 84 *	6.03	−19.10	−25.93	0.92	0.61	1.08	1.01	0.70	−17	−25	−20	+32	−12	+31	− 7	+30	+10	−13	5	1.71
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No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
77301	8.131	0.008	7.279	0.007		0.770	0.015	G	0.81	0.01	H	7.3445	0.0009	0.010	126		7.33	7.36					1							S
77302	11.168	0.078	9.788	0.038		1.152	0.015	G	1.11	0.01	I	9.7846	0.0021	0.023	63		9.75	9.84		C			1 G							
77303	8.996	0.012	8.448	0.012	A	1.200	0.495	G	0.52	0.03	L *	8.4573	0.0020	0.016	127	*	8.42	8.49		D	15470+5159	I 1	2 C A	AB	243	3.761	0.021	2.77	0.08	S
77304	9.938	0.020	9.414	0.019		0.492	0.025	T	0.56	0.03	L	9.4930	0.0028	0.028	143		9.45	9.56					1							
77305	9.635	0.018	8.786	0.014		0.725	0.003	G	0.77	0.00	H	8.8510	0.0016	0.017	144		8.82	8.88		C			1 G							
77306	8.340	0.008	8.359	0.010	*	−0.015	0.011	T	0.01	0.01	L *	8.3731	0.0019	0.019	163	*	8.34	8.41			15470−6424	H 1	2 C S A	AB	251	0.141	0.017	1.24	0.45	
77307	10.411	0.044	9.698	0.037		0.583	0.001	G	0.65	0.00	H	9.7888	0.0023	0.022	73		9.74	9.85		D			1							
77308	11.052	0.063	9.015	0.019	*	1.160	0.040	G	1.12	0.04	K *	8.8862	0.0026	0.022	89	*	8.84	8.92			15470−3635	H 1	2 C S A	AB	200	0.130	0.008	0.31	0.81	
77309	7.650	0.007	7.503	0.007		0.141	0.009	T	0.16	0.01	L	7.5488	0.0009	0.010	109		7.53	7.56					1							S
77310	7.684	0.005	7.165	0.005		0.497	0.005	T	0.57	0.01	L	7.2061	0.0009	0.010	167		7.19	7.22					1							S
77311	8.768	0.014	8.692	0.017	A	0.061	0.015	G	0.07	0.01	H	8.7342	0.0086	0.014	79	A	8.71	8.76		C	15470−5253	I 1	2 C A	AB	180	10.546	0.024	3.03	0.14	
77312	8.673	0.009	8.200	0.009	*	0.453	0.015	G	0.52	0.02	H *	8.2555	0.0011	0.013	141	*	8.23	8.28		D	15470+4143	H 1	2 C S C	AB	266	0.105	0.011	0.59	0.94	S
77313	9.475	0.020	9.094	0.021		0.384	0.020	G	0.45	0.02	H	9.1388	0.0019	0.014	77		9.11	9.17		C			1							
77314	7.940	0.013	7.711	0.017		0.218	0.020	T	0.24	0.02	L	7.7506	0.0015	0.013	50		7.73	7.77		C			1							S
77315	6.840	0.005	6.826	0.007	*	0.024	0.002	G	0.04	0.00	H *	6.8425	0.0011	0.008	91	*	6.83	6.86		D	15471−3531	I 2	2 C A	AB	63	0.621	0.006	1.89	0.02	S
77316	10.223	0.018	9.298	0.013		0.804	0.017	T	0.83	0.01	L	9.3896	0.0022	0.028	224		9.34	9.44					1							
77317	7.322	0.006	7.323	0.008		0.005	0.003	G	0.03	0.00	H	7.3576	0.0012	0.009	89		7.34	7.37		D	15471−3531	I 2	1							S
77318	8.850	0.013	8.390	0.013		0.447	0.014	T	0.52	0.01	L	8.4360	0.0012	0.012	77		8.42	8.46		C			1							S
77319	7.609	0.006	7.659	0.008		−0.041	0.009	T	−0.02	0.01	L	7.6715	0.0013	0.012	161		7.65	7.69		C			1							S
77320	8.804	0.011	8.812	0.016	*	−0.006	0.017	T	0.01	0.02	L *	8.8942	0.0021	0.022	160	*	8.85	8.94		D	15471−7227	I 1	2 C A	AB	107	7.556	0.006	1.52	0.03	S
77321	11.131	0.068	10.622	0.072		0.360	0.020	G	0.42	0.02	H	10.8787	0.0041	0.032	84		10.83	10.94		C			1							G
77322	9.148	0.013	8.578	0.012		0.537	0.013	T	0.61	0.01	L	8.6175	0.0018	0.014	114		8.59	8.64		C			1							
77323	7.722	0.006	7.790	0.007		−0.057	0.008	T	−0.04	0.01	L	7.7926	0.0011	0.014	173		7.77	7.81					1							S
77324	9.693	0.012	8.224	0.006		1.238	0.011	T	1.20	0.01	L	8.2620	0.0011	0.016	239		8.24	8.29					1							S
77325	8.186	0.009	7.433	0.006		0.660	0.004	G	0.72	0.00	H	7.5123	0.0013	0.010	94		7.50	7.53		C			1							S
77326	11.338	0.093	10.583	0.077		0.850	0.015	G	0.89	0.01	H	10.5752	0.0041	0.031	74		10.50	10.62		C			1							G
77327	11.197	0.121	9.869	0.059		0.972	0.011	G	0.96	0.01	J	9.9074	0.0077	0.040	50		9.83	9.98		U			1							
77328	10.760	0.063	10.385	0.070		0.366	0.081	T	0.43	0.09	L	10.3405	0.0041	0.030	76		10.31	10.39					1							G
77329	9.037	0.015	7.751	0.009		1.094	0.014	T	1.06	0.01	L	7.7910	0.0012	0.011	81		7.77	7.81		C			1							S
77330	9.139	0.015	8.654	0.015	A	0.469	0.016	T	0.54	0.02	L	8.7180	0.0058	0.034	79	A	8.69	8.80		D	15473−3237	I 2	1 C P A							
77331											T	10.5245	0.0230			B				D	15473−3237	I 2	1 C I A							
77332	9.971	0.027	8.353	0.014		1.355	0.024	T	1.32	0.03	L	8.3406	0.0018	0.014	73		8.32	8.37		C			1							
77333	9.921	0.024	9.233	0.021		0.623	0.024	T	0.69	0.02	L	9.2858	0.0027	0.021	88		9.25	9.32					1							
77334	11.135	0.102	9.904	0.055		1.051	0.090	T	1.02	0.07	L	9.9461	0.0031	0.025	92		9.90	10.03		C	15473−1611	I 1	1 X S							
77335	7.528	0.007	7.010	0.007		0.512	0.016	G	0.58	0.02	H	7.0540	0.0011	0.008	71		7.04	7.07		C			1							S
77336	5.835	0.004	5.722	0.004		0.094	0.000	G	0.11	0.00	H	5.7478	0.0013	0.006	45		5.73	5.76		C			1							S
77337	9.377	0.019	8.081	0.011		1.145	0.015	G	1.11	0.01	H	8.1199	0.0010	0.008	80		8.11	8.15		C			1							S
77338	8.597	0.012	7.920	0.010		0.599	0.003	G	0.67	0.00	H	7.9793	0.0010	0.010	93		7.96	8.00					1							S
77339	9.234	0.016	7.909	0.010		1.125	0.015	T	1.09	0.02	L	7.9582	0.0017	0.011	82		7.94	7.98					1							
77340	10.016	0.038	8.711	0.022		1.109	0.034	T	1.07	0.04	L	8.7838	0.0029	0.017	57		8.75	8.83					1							S
77341	11.401	0.076	9.295	0.022		1.742	0.063	T	1.77	0.07	L	9.1609	0.0028	0.025	110		9.11	9.21					1							
77342	10.309	0.032	8.337	0.012		1.635	0.027	T	1.66	0.03	L	8.1011	0.0049	0.029	87		8.05	8.14		U 2			1							S
77343	11.278	0.094	10.836	0.102		0.668	0.086	G	0.73	0.07	R	10.9120	0.0058	0.046	72		10.83	10.98					1							G
77344	9.628	0.027	8.758	0.021		0.744	0.015	G	0.79	0.01	H	8.8481	0.0020	0.015	67		8.81	8.88					1							
77345	8.915	0.011	7.442	0.006		1.241	0.010	T	1.20	0.01	L	7.4628	0.0014	0.011	114		7.44	7.48					1							S
77346	9.683	0.017	7.851	0.008		1.524	0.015	T	1.56	0.02	L	7.8097	0.0011	0.012	175		7.79	7.84					1							
77347	8.017	0.010	7.835	0.011		0.167	0.014	T	0.18	0.01	L	7.8630	0.0019	0.012	80		7.84	7.88					1							S
77348	9.030	0.015	8.145	0.012		0.789	0.014	T	0.82	0.01	L	8.2027	0.0016	0.011	73		8.18	8.22		C			1							S
77349						1.565	0.017	G	2.50	0.07	I	11.3009	0.0037	0.039	82		11.22	11.37		C			1 G							G
77350	7.530	0.007	6.507	0.004		0.880	0.000	G	0.89	0.00	H	6.5663	0.0008	0.008	110		6.55	6.58					1							S
77351	9.371	0.017	7.923	0.010		1.221	0.015	T	1.18	0.01	L	7.9664	0.0020	0.013	82		7.94	7.99					1							
77352	9.779	0.022	8.350	0.012		1.206	0.020	T	1.17	0.02	L	8.3666	0.0018	0.015	84		8.34	8.39			15474+1851	I 1	1 S							S
77353	8.768	0.013	7.961	0.011	*	0.730	0.013	T	0.78	0.01	L *	7.9862	0.0012	0.011	103	*	7.97	8.01		D	15474+5929	I 1	2 C A	AB	289	0.319	0.003	0.45	0.06	S
77354	8.047	0.010	6.673	0.006		1.163	0.009	T	1.12	0.01	L	6.7008	0.0012	0.008	76		6.69	6.72		C			1							S
77355	9.083	0.013	8.612	0.013		0.510	0.015	G	0.58	0.02	H	8.6493	0.0015	0.015	115		8.63	8.69		C			1							S
77356	10.191	0.022	8.890	0.013		1.106	0.020	T	1.07	0.02	L	8.9305	0.0023	0.023	159		8.90	8.98					1							
77357	9.352	0.015	8.775	0.014		0.542	0.015	T	0.62	0.02	L	8.8414	0.0022	0.018	116		8.82	8.88		C			1							
77358	6.900	0.004	6.087	0.003		0.715	0.006	G	0.74	0.02	A	6.1479	0.0012	0.009	110		6.13	6.16			15475−3755	I 1	1							S
77359	10.576	0.030	9.080	0.015		1.259	0.026	T	1.22	0.03	L	9.1187	0.0019	0.019	139		9.08	9.15					1							
77360	9.491	0.021	8.187	0.013		1.108	0.019	T	1.07	0.02	L	8.1718	0.0014	0.012	73		8.15	8.20			15475−2114	I 1	1 G							
77361	8.323	0.008	8.146	0.009		0.162	0.012	T	0.18	0.01	L	8.1660	0.0015	0.014	148		8.14	8.19		C			1							S
77362	8.349	0.012	6.675	0.006		1.394	0.005	G	1.37	0.01	H	6.6663	0.0010	0.009	105		6.65	6.68					1							S
77363	9.843	0.022	9.306	0.021		0.543	0.015	G	0.62	0.01	H	9.3781	0.0019	0.021	110		9.34	9.43		C			1							
77364	11.058	0.058	10.324	0.050		0.673	0.061	T	0.73	0.05	L	10.4057	0.0031	0.031	84		10.35	10.45		C			1							G
77365	10.581	0.033	8.973	0.015		1.347	0.029	T	1.31	0.03	L	8.9562	0.0024	0.025	133		8.92	9.00					1 S							
77366	9.839	0.028	9.367	0.028		0.431	0.020	G	0.50	0.02	H	9.4519	0.0017	0.017	82		9.42	9.49					1							
77367	10.579	0.044	9.855	0.038		0.757	0.015	G	0.80	0.01	H	9.8635	0.0038	0.025	87		9.82	9.91		C			1 S							
77368	10.152	0.028	9.057	0.018		0.946	0.026	T	0.94	0.02	L	9.0915	0.0020	0.016	109		9.07	9.12		C			1							
77369											T	11.1613	0.0253	0.152	67		11.01	11.44		U 2			1 S							G P
77370	6.175	0.004	5.905	0.004	A	0.249	0.003	G	0.21	0.03	C *	5.9277	0.0007	0.006	118	*	5.92	5.94		D	15476+5523	I 1	2 C A	AB	132	2.184	0.013	3.65	0.06	S
77371	10.305	0.036	9.796	0.037		0.478	0.047	T	0.55	0.05	L	9.8185	0.0029	0.023	61		9.79	9.86		C			1							
77372	7.534	0.009	7.051	0.007		0.468	0.003	G	0.54	0.00	H	7.1047	0.0011	0.008	69		7.09	7.12		C			1							S
77373	7.970	0.006	7.482	0.005		0.471	0.006	T	0.54	0.01	L	7.5398	0.0008	0.014	240		7.51	7.56					1							S
77374	9.839	0.026	9.160	0.022		0.617	0.026	T	0.69	0.02	L	9.1614	0.0020	0.013	75		9.14	9.19					1 G							
77375	9.991	0.026	8.495	0.014		1.259	0.023	T	1.22	0.02	L	8.5352	0.0026	0.016	87		8.50	8.56					1							
77376	9.678	0.021	8.481	0.014		1.025	0.020	T	1.00	0.02	L	8.5545	0.0019	0.014	73		8.53	8.58					1							S
77377	8.947	0.012	8.653	0.013		0.302	0.015	G	0.35	0.02	H	8.6918	0.0017	0.018	121		8.66	8.74		C			1							S
77378	11.013	0.062	10.450	0.062		0.527	0.078	T	0.60	0.08	L	10.5197	0.0035	0.034	91		10.47	10.59					1							G
77379	8.582	0.008	7.170	0.005	*	1.193	0.007	T	1.15	0.01	L *	7.2044	0.0009	0.010	161	*	7.19	7.22		D	15478+3301	H 1	2 C A	AB	336	0.240	0.012	2.22	0.16	S
77380	10.679	0.034	9.325	0.019		1.147	0.030	T	1.11	0.03	L	9.3885	0.0027	0.023	110		9.35	9.43		C			1							
77381	8.291	0.008	6.882	0.005		1.190	0.007	T	1.15	0.01	L	6.9268	0.0008	0.008	137		6.92	6.94		C			1							S
77382	10.274	0.026	10.041	0.032		0.140	0.020	G	0.15	0.02	H	10.1471	0.0031	0.037	167		10.08	10.22					1 S							G
77383	9.757	0.027	9.084	0.024		0.645	0.006	G	0.71	0.01	H	9.1068	0.0021	0.022	86		9.08	9.14					1							
77384	8.719	0.014	7.336	0.008		1.170	0.013	T	1.13	0.01	L	7.3520	0.0016	0.011	75		7.33	7.37					1							S
77385	11.079	0.051	9.667	0.026		1.193	0.045	T	1.15	0.04	L	9.6977	0.0022	0.020	121		9.67	9.73		C			1							
77386	9.562	0.012	9.149	0.013		0.404	0.015	T	0.47	0.02	L	9.2138	0.0018	0.026	233		9.18	9.27					1							
77387	8.931	0.016	7.810	0.011		0.965	0.015	T	0.95	0.01	L	7.8557	0.0012	0.009	75		7.84	7.88		C			1							S
77388	8.301	0.011	8.100	0.012		0.211	0.015	G	0.23	0.02	H	8.1234	0.0015	0.013	104		8.10	8.15		C			1							S
77389	11.316	0.084	10.617	0.075		0.644	0.092	T	0.71	0.08	L	10.7215	0.0051	0.035	65		10.65	10.77					1							G
77390	6.319	0.044	6.089	0.047	A	0.231	0.013	G	0.26	0.02	H *	5.6132	0.0009	0.009	134	*	5.60	5.63		D	15479−6527	I 1	2 C A	AB	147	1.826	0.002	0.23	0.01	S
77391	11.081	0.074	10.499	0.068		0.645	0.011	G	0.71	0.01	H	10.5861	0.0042	0.033	93		10.53	10.62		C			1							G
77392	10.584	0.046	9.931	0.039		0.597	0.045	T	0.67	0.04	L	10.0416	0.0028	0.027	85		9.99	10.08					1							
77393	8.816	0.019	8.304	0.017	*	0.523	0.015	G	0.60	0.02	H *	8.5281	0.0010	0.013	99	*	8.51	8.56		D	15479−3543	I 1	2 C A	AB	318	3.027	0.005	1.04	0.02	
77394	7.189	0.007	7.018	0.009		0.164	0.011	T	0.18	0.01	L	7.0382	0.0012	0.010	76		7.02	7.06					1							S
77395	10.389	0.031	9.089	0.018		1.105	0.028	T	1.07	0.03	L	9.1390	0.0023	0.017	98		9.11	9.16					1							
77396	7.898	0.007	7.502	0.008		0.375	0.010	T	0.44	0.01	L	7.5555	0.0015	0.012	100		7.54	7.58					1							S
77397	8.402	0.009	6.579	0.004		1.517	0.008	T	1.55	0.01	L	6.5269	0.0010	0.012	167		6.51	6.55		M			1							S
77398	10.512	0.041	9.870	0.038		0.590	0.042	T	0.66	0.04	L	9.9624	0.0025	0.022	92		9.92	10.00		C			1							G
77399	7.315	0.008	7.171	0.008	*	0.131	0.010	T	0.15	0.01	L *	7.2013	0.0015	0.008	69	*	7.19	7.22		D	15481−2513	H 1	2 C S A	AB	51	0.149	0.015	0.89	0.37	S
77400	10.359	0.047	9.851	0.047		0.477	0.020	G	0.55	0.02	H	9.8433	0.0040	0.028	82		9.80	9.89					1 X S							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	$\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr		$\alpha*$	$\alpha*$	δ	$\alpha*$	δ	π	$\alpha*$	δ	π	$\mu_{\alpha*}$	%	
1 2	3	4	5 6 7		8	9 10		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
77401	15 48 05.82	+50 00 16.5	7.88 H		237.024 244 08	+50.004 573 79		2.33	2.25	1.80	0.60	0.65	0.72	0.74	0.84	+13	+ 8	+ 0	− 6	+ 0	+ 4	+ 2	− 6	+17	+15	0	0.67
77402	15 48 06.42	+37 58 22.5	9.07 H		237.026 736 30	+37.972 921 62		6.14	7.83	4.57	0.79	0.88	1.06	0.94	1.10	+20	+ 1	+ 4	+18	+21	+ 2	+21	+26	+ 3	+20	0	−0.07
77403	15 48 06.51	−50 35 23.2	6.70 H		237.027 145 76	−50.589 781 65		1.16	−1.15	−2.47	0.63	0.50	0.76	0.69	0.64	−	8	−26	−14	+	1	+	7	+	1	+	7	+23	−	2	−	6	0	2.19
*77404	15 48 07.86	+03 26 35.4	8.24 G		237.032 765 86	+03.443 179 53		4.85	−20.92	−15.60	0.93	0.69	1.04	1.14	1.00	−26	−36	−	2	+32	−23	+	4	−20	+38	−	7	−19	0	1.47
*77405	15 48 07.86	−26 32 05.5	9.38 H		237.032 747 81	−26.534 859 51		5.98	−95.77	−138.40	1.36	0.91	1.58	1.54	1.15	−30	−	3	−	8	−10	+	4	−20	+	2	−	5	−	4	−26	2	0.21
77406	15 48 08.77	−23 21 32.0	9.18 H		237.036 549 74	−23.358 889 57		8.10	−32.77	−31.53	1.44	0.88	1.76	1.86	1.07	+	2	−32	−28	−	2	−20	+34	−	1	+19	−29	+	1	0	0.63
77407	15 48 09.33	−23 22 24.2	9.73 H		237.038 872 38	−23.373 382 54		5.34	−27.42	−30.46	1.81	1.09	2.16	2.35	1.34	−	2	−32	−27	+	3	−21	+32	−	5	+22	−22	−	4	3	0.23
77408	15 48 09.57	+01 34 19.7	7.44 1 H		237.039 857 69	+01.572 144 55		46.84	−176.19	−166.72	0.89	0.78	1.05	1.08	1.13	−43	−28	−26	+35	−36	+	4	−32	+43	−10	−62	0	−2.38
77409	15 48 09.71	+74 24 53.5	9.24 H		237.040 479 02	+74.414 853 39		37.95	111.68	−304.10	0.71	0.78	0.83	0.71	0.90	+	8	−31	−36	−22	−	3	+	2	−	2	+	1	+	0	−	8	3	2.54
77410	15 48 11.83	−04 47 09.4	8.10 G		237.049 288 60	−04.785 940 94		11.73	−101.20	−33.89	0.93	0.62	0.99	1.06	0.84	−19	−24	−	4	+28	−15	+	6	−15	+27	−	3	−14	0	−0.12
77411	15 48 12.95	+21 41 16.5	9.42 H		237.053 971 76	+21.687 922 41		4.48	1.26	11.08	0.87	1.02	1.40	1.17	1.22	−17	−25	+	2	−	6	−44	+34	−53	+48	+25	+	6	2	0.73
77412	15 48 13.31	+13 47 21.6	5.98 H		237.055 465 53	+13.789 334 25		7.41	−8.84	−105.44	0.88	0.77	1.01	0.96	1.14	−22	−38	−34	+42	−41	+12	−26	+54	−28	−59	0	−0.62
77413	15 48 13.41	+50 57 16.6	8.37 H		237.055 874 07	+50.954 611 88		6.15	−16.90	−23.69	0.72	0.71	0.80	0.86	0.83	+18	+	4	−	4	+	9	+	8	−	6	+	5	−	4	−	1	+	0	0	0.15
77414	15 48 14.42	−40 34 12.0	8.60 G		237.060 072 13	−40.570 012 46		−0.17	−3.67	−3.30	0.88	0.74	1.05	0.92	0.95	−26	−28	−19	+20	−10	−	4	−	3	+33	−13	−45	0	−0.11
77415	15 48 17.27	−49 14 19.5	7.91 H		237.071 951 66	−49.238 742 79		3.24	14.03	−13.29	0.84	0.69	1.04	1.06	0.91	+	0	−24	−17	+22	+	4	−	3	+	4	+43	−	5	−	2	4	1.64
77416	15 48 18.21	+13 10 01.1	8.41 H		237.075 884 98	+13.166 961 85		5.68	−7.77	−21.15	1.04	1.14	1.38	1.43	1.55	−15	−35	−44	+19	−37	+	9	−17	+59	−31	−49	0	−0.71
77417	15 48 19.14	−43 27 30.7	8.34 H		237.079 750 16	−43.458 540 05		2.98	−6.26	−9.46	0.85	0.68	1.02	0.96	0.96	−17	−18	−20	+16	−20	−	2	−	8	+46	−14	−47	0	2.06
77418	15 48 19.25	−44 21 06.4	7.01 G		237.080 207 46	−44.351 777 52		2.58	−5.77	−4.54	0.70	0.55	0.83	0.89	0.74	−	6	−16	−20	+28	+	8	+	9	+14	+41	−13	−11	0	0.63
77419	15 48 19.58	+82 21 10.5	8.53 H		237.081 571 30	+82.352 920 68		2.65	2.44	6.36	0.62	0.74	0.76	0.65	0.85	+	8	−14	−18	+	1	+	4	+10	+	4	−10	+	8	+	2	0	−2.82
77420	15 48 19.69	−32 34 04.4	9.42 H		237.082 051 71	−32.567 883 37		2.97	8.77	6.24	1.24	0.82	1.55	1.45	1.12	−33	−22	+	0	+	8	+	2	−	2	+	6	+18	−25	−11	2	0.48
77421	15 48 20.37	−49 45 47.4	7.85 H		237.084 856 69	−49.763 155 35		15.95	−119.67	−43.58	0.86	0.69	1.05	0.95	0.88	−	4	−32	−18	+17	+	5	−	7	+	6	+36	−	3	−12	0	−1.88
77422	15 48 21.68	−18 26 19.9	8.91 H		237.090 334 58	−18.438 849 92		3.88	−15.67	−26.02	1.36	0.77	1.47	2.36	1.50	−14	−	6	+	2	−17	−18	−25	−22	+17	−	2	−10	0	0.81
77423	15 48 21.81	−60 42 05.7	8.49 H		237.090 872 07	−60.701 571 95		7.05	−58.29	−85.46	0.76	0.80	1.24	0.96	1.04	+	3	−	9	−11	+43	+32	−44	+34	+37	+	9	−	1	0	−0.48
77424	15 48 21.92	−70 09 18.1	10.69 H		237.091 348 14	−70.155 032 49		0.42	−2.38	−5.12	2.50	3.20	4.16	2.70	3.99	+25	−10	−	9	−13	+11	−11	+	12	+	2	−12	+28	0		
77425	15 48 22.01	+13 18 48.3	9.50 H		237.091 700 16	+13.313 403 61		5.73	1.81	−12.50	1.54	1.61	1.76	2.11	2.51	−49	−21	−	9	+34	−39	−	4	−29	+53	−31	−53	0	0.09
77426	15 48 22.50	−50 34 46.9	8.74 H		237.093 766 31	−50.579 693 57		0.09	7.04	−19.33	0.98	0.87	1.22	1.12	1.05	−	9	−12	−	3	+	4	+	7	−	7	+	5	+24	−	3	+	4	0	0.82
77427	15 48 22.61	−28 47 20.6	7.68 H		237.094 214 81	−28.789 058 92		13.66	−37.67	−26.92	0.92	0.61	1.04	1.05	0.81	−	9	−17	−22	+	1	+17	+	2	+17	−	9	+	7	−29	2	−1.00
77428	15 48 22.81	−20 23 43.4	8.78 H		237.095 041 06	−20.395 399 74		2.72	−4.94	−12.25	1.20	0.69	1.41	1.26	0.96	−19	−46	−	5	+	2	+	1	+28	+	9	+12	−11	−28	0	1.16
77429	15 48 23.54	−02 57 28.0	9.50 H		237.098 066 13	−02.957 786 54		2.98	−15.28	9.39	1.33	0.89	1.49	2.00	1.33	−16	−19	−18	+	8	−10	+13	−	8	+14	+	0	−	3	2	−0.74
77430	15 48 24.37	−43 33 50.7	8.74 H		237.101 548 10	−43.564 071 75		1.72	−8.55	−9.36	0.92	0.78	1.17	1.04	1.06	−17	−22	−30	+12	−18	+	5	−	7	+43	−21	−44	0	1.66
77431	15 48 24.51	+40 19 27.7	8.90 H		237.102 128 55	+40.324 374 44		7.07	5.34	−8.88	0.78	0.91	0.95	0.95	1.08	+22	+	8	−	8	+	4	+12	−	2	+17	+50	−	9	+10	1	1.70
77432	15 48 24.80	−42 37 04.7	8.96 H		237.103 316 27	−42.617 985 41		10.09	−17.04	−29.76	1.12	0.84	1.42	1.18	1.07	−	2	−26	−36	−	6	−	5	+	5	+	4	+37	−25	−22	0	0.26
77433	15 48 24.99	−13 29 57.4	6.94 H		237.104 125 34	−13.499 281 49		2.17	−7.22	−1.04	1.13	0.53	1.08	1.25	0.74	+17	−35	−10	+44	+15	+28	+23	+38	−	8	+15			0	−0.51
77434	15 48 25.54	−19 46 26.5	10.17 H		237.106 435 57	−19.774 024 46		−0.37	−8.05	2.95	2.08	1.03	2.24	2.17	1.55	−	6	−47	−	7	−	4	+13	+13	+18	−	4	−	5	−13	0	1.30
77435	15 48 26.67	−23 50 02.5	6.71 H		237.111 109 85	−23.834 015 21		11.81	−48.57	−17.00	0.83	0.54	0.99	0.92	0.66	−16	−38	−14	+	9	−	8	+31	+	5	+22	−22	−22	0	0.99
77436	15 48 27.65	+29 53 23.8	9.25 H		237.115 195 71	+29.889 953 54		9.65	−133.20	−20.57	0.67	0.85	1.26	0.68	0.94	+	2	−	6	−	4	−10	+13	−	6	+14	−18	−12	−	9	1	2.61
77437	15 48 28.82	+22 24 56.0	6.85 H		237.120 093 87	+22.415 556 63		6.88	−31.54	−37.37	0.46	0.53	0.86	0.55	0.61	−12	−10	−	1	+22	−38	+15	−40	+40	+	6	+	1	0	0.70
77438	15 48 29.75	+56 05 55.9	9.98 H		237.123 945 10	+56.098 858 36		18.05	−123.62	−137.37	0.98	1.05	1.13	1.15	1.30	+	8	−22	−16	−11	−	9	+16	−	8	+20	+	7	+	4	0	−0.41
77439	15 48 29.81	−02 10 03.6	8.65 H		237.124 225 68	−02.167 666 46		10.92	−76.14	86.63	1.22	0.82	1.36	1.52	1.24	−31	−18	+	5	+20	+20	+16	+25	−20	−	3	−27			0	0.75
77440	15 48 29.91	+62 20 39.4	8.53 G		237.124 622 49	+62.344 266 56		4.12	−25.97	33.83	0.67	0.67	0.74	0.71	0.71	−	5	−	1	−19	−28	+	2	−19	+	1	+	8	−	7	−	9	0	0.23
77441	15 48 30.51	−32 05 11.3	8.16 H		237.127 130 93	−32.086 478 67		8.55	−33.57	−31.69	0.93	0.60	1.03	0.87	0.73	−	4	−47	−14	+12	−	9	−	1	−	3	+15	−12	−10	2	−0.52
77442	15 48 34.42	+28 09 24.4	5.89 2 H		237.143 401 20	+28.156 776 92		0.54	−2.10	−11.52	0.34	0.43	0.72	0.37	0.49	+22	−16	−18	+16	+	9	−13	+	4	+	1	−	9	−	9	2	0.95
*77443	15 48 36.31	−36 33 04.7	9.96 G		237.151 289 67	−36.551 297 50		9.06	−88.88	−84.75	1.48	0.99	1.99	2.10	1.48	−21	−	6	−29	+	9	+24	−25	+18	+14	+	2	−	3	4	0.05
*77444	15 48 36.14	−65 13 57.7	8.48 G		237.150 586 71	−65.232 682 45		29.35	−289.67	−295.57	0.78	0.87	1.29	0.93	1.07	+	3	−19	+	3	+	2	+13	−33	+17	+	0	−	4	+	5	0	2.46
*77445	15 48 40.58	+61 26 30.6	8.52 2 H		237.169 080 94	+61.441 822 68		3.37	−13.21	35.06	0.64	0.60	0.67	0.79	0.76	−12	−23	+	1	−37	+	6	+	4	+10	−	8	+	0	−32	1	1.44
*77446	15 48 40.53	−20 09 57.7	9.73 G		237.168 891 57	−20.166 022 47		8.11	37.49	−178.26	1.65	0.90	1.90	1.69	1.27	−17	−51	+	0	−	4	+	5	+25	+12	+	5	−13	−25	0	1.62
77447	15 48 41.47	+53 40 51.1	9.50 H		237.172 794 46	+53.680 850 60		4.13	17.00	8.54	0.91	0.89	0.99	1.13	1.08	+16	−	9	−	2	+11	−	2	+	4	−	3	+21	+11	+20	0	0.51
77448 H	15 48 42.52	+83 37 10.8	7.00 H		237.177 171 93	+83.619 659 24	A	2.38	2.95	−0.82	1.05	1.12	1.02	0.91	1.28	+10	−12	−17	−	7	+	7	−10	+10	−	7	+	2	+14			1	0.51
77449	15 48 42.91	−27 34 56.2	8.27 H		237.178 776 13	−27.582 286 95		2.26	−5.14	−5.17	1.20	0.61	1.37	1.35	0.82	−	8	−13	−12	−35	+	6	−38	+	0	−18	+	4	−14	0	1.26
77450	15 48 44.41	+18 08 30.4	4.09 1 H		237.185 035 86	+18.141 779 30		9.36	−51.78	−88.72	0.71	0.61	0.81	0.76	0.90	−17	+11	−16	−50	−	1	−19	−	7	−27	+12	−39	0	−1.40
77451	15 48 44.99	+42 55 07.7	11.17 G		237.187 460 42	+42.918 808 61		24.54	−1.91	90.93	1.48	1.54	1.87	1.92	1.98	+	8	−11	+	8	−	5	−	5	+	7	−	4	+	3	+	1	−	8	0	−0.09
77452	15 48 47.87	−54 23 44.3	7.91 1 G		237.199 451 47	−54.395 643 15		1.73	−4.24	−4.72	0.71	0.68	0.96	0.89	0.96	+	8	−17	−24	+24	+19	−	5	+17	+29	+11	+16	0	−0.70
77453	15 48 48.06	−66 59 23.4	9.01 H		237.200 261 02	−66.989 832 38		1.65	1.52	0.56	0.63	0.90	1.33	0.66	1.05	+15	−14	+13	−	7	−10	−10	−14	+25	−	6	+29	2	−0.57
77454 H	15 48 50.42	−52 26 17.6	6.05 G		237.210 062 96	−52.438 227 30	A	4.22	2.24	−11.83	1.06	0.86	1.25	1.11	1.09	−	2	−	2	−32	+	6	−	1	−11	+	2	+20	−21	−	9	5	1.23
77455	15 48 50.49	+12 43 25.1	6.79 H		237.210 386 02	+12.723 638 04		4.87	−14.17	−8.86	0.91	0.77	0.98	1.30	1.20	−30	+	4	−31	+49	−29	+	7	−27	+52	−45	−31	0	−1.26
77456	15 48 50.95	−24 18 24.7	12.41 H		237.212 293 50	−24.306 851 33		19.00	13.63	7.42	5.41	3.37	7.81	6.25	4.66	−10	−28	−32	+32	+	2	+	3	+	6	+28	−36	−18	0	0.63
77457	15 48 52.13	−29 29 00.2	7.96 H		237.217 219 44	−29.483 398 35		6.91	−7.03	−18.99	0.87	0.58	1.04	0.89	0.76	−	4	−37	−37	−	7	+16	−	9	+13	−	9	+	8	−45	4	0.09
77458	15 48 52.84	−01 00 04.6	6.81 G		237.220 171 69	−01.001 273 21		2.49	−47.92	0.29	0.75	0.56	0.88	0.91	0.84	−18	−26	−	9	+20	+16	−	4	+15	−	6	+16	−19	0	0.19
77459 H	15 48 53.12	+23 14 29.9	7.82 G		237.221 323 24	+23.241 647 91	A	18.22	−49.02	−43.17	1.03	1.06	1.37	0.85	1.04	−23	+15	−20	+41	−12	+10	−	8	−12	+	8	−24	1	−0.42
77460	15 48 53.53	+36 14 52.6	11.04 3 H		237.223 028 98	+36.247 950 60		0.77	−0.08	−3.97	1.07	1.25	1.60	1.14	1.67	+11	+17	+10	−	7	+	2	+14	−	3	−26	−14	−	5	0	1.54
77461	15 48 54.86	−07 57 52.6	10.09 G		237.228 603 01	−07.964 602 52		5.98	−8.43	7.55	1.49	0.90	1.55	1.93	1.33	−	2	−26	−19	+18	−	1	+10	+	3	+22	−	8	−	2	0	−1.22
77462	15 48 56.29	−38 36 45.0	8.40 2 H		237.234 521 80	−38.612 508 86		1.02	7.00	−5.11	1.04	0.69	1.23	1.18	0.95	−	8	−23	−26	+16	−	3	−20	−	5	+33	−	1	−27	0	0.68
77463	15 48 56.60	−60 22 04.1	6.65 H		237.235 831 72	−60.367 794 19		15.22	−11.62	63.95	0.61	0.55	0.79	0.68	0.75	+	2	−14	−10	+53	+31	−29	+37	+29	+	5	−	5	5	1.11
77464	15 48 56.81	−03 49 06.7	5.53 G		237.236 727 61	−03.818 528 11		20.34	−29.12	6.18	0.62	0.44	0.70	0.84	0.62	−32	−13	−	2	+23	−15	+15	−13	+19	−	2	−10	0	−0.91
77465	15 48 57.49	+48 41 13.8	8.84 H		237.239 541 59	+48.687 172 11		1.67	16.80	−15.80	0.76	0.83	0.92	0.90	0.93	+	7	+22	−12	−26	−14	−12	−	9	−10	+	6	−17	2	−1.03
77466	15 48 58.77	+45 47 36.4	9.18 H		237.244 881 47	+45.793 432 02		14.11	−272.87	111.64	0.74	0.80	0.89	0.79	0.88	+	8	−12	+10	+	9	+	7	+	3	+	8	+23	−	2	+	3	0	0.87
77467	15 48 59.81	+00 12 36.2	8.72 H		237.249 211 25	+00.210 045 90		2.29	7.59	−0.25	1.09	0.74	1.23	1.30	1.10	−17	−33	−	5	+18	−	4	+	4	+	6	+10	−29	−17	0	−0.17
77468	15 49 02.80	−70 53 08.5	9.05 H		237.261 673 63	−70.885 697 36		2.28	−7.45	−3.14	0.66	0.84	1.09	0.70	0.97	+27	−16	−18	+11	+	6	−	5	+	6	+25	−	6	+24	1	1.29
77469	15 49 04.90	+33 38 06.6	9.58 H		237.270 427 19	+33.635 171 35		7.55	4.40	−5.01	0.77	0.98	1.25	1.00	1.15	+24	−	7	−24	+12	−	4	+	9	−	3	+	0	+12	+12	1	1.44
77470	15 49 04.92	−87 15 59.2	7.81 H		237.270 483 37	−87.266 435 04		16.40	−0.68	−48.78	0.55	0.61	0.70	0.63	0.72	+18	+12	+26	−14	−10	−25	−	6	+18	−11	+19			3	0.93
77471	15 49 05.06	−15 32 08.6	10.42 3 H		237.271 094 17	−15.535 732 82		3.02	−6.06	−8.91	1.68	0.98	1.84	1.83	1.69	−	9	−37	−14	+12	−	3	+13	+	8	+24	−	6	−35	2	−1.08
77472	15 49 06.13	−01 52 46.2	9.53 G		237.275 533 83	−01.879 505 31		6.97	3.59	−12.20	1.30	1.00	1.49	1.56	1.45	−38	−23	+	1	+10	+18	−	3	+20	−23	+	4	−37	0	−0.58
77473	15 49 06.17	−18 42 14.6	8.02 H		237.275 695 26	−18.704 061 40		8.94	−47.54	−5.35	1.17	0.60	1.20	1.89	1.18	−	5	−	9	+	6	−27	−20	−25	−24	+13	−	5	+	0	0	2.49
77474	15 49 06.75	+63 08 33.1	8.20 H		237.278 117 89	+63.142 531 44		6.62	3.01	7.70	0.63	0.61	0.66	0.70	0.71	+	6	−	9	−15	−11	+	9	−	3	+	4	+13	+	0	+22	0	−0.49
77475	15 49 07.56	−71 30 11.6	8.90 H		237.281 498 34	−71.503 228 70		1.87	−17.68	−9.61	0.70	0.85	1.12	0.68	0.95	+19	−15	−12	+	4	−	1	−15	−	3	+30	−	3	+16	0	−0.27
77476	15 49 07.80	+08 19 51.4	8.85 H		237.282 505 33	+08.330 952 93		0.63	−6.36	7.62	1.13	1.00	1.50	1.73	1.78	−20	−34	−28	+24	−11	−24	−26	+11	+24	−59	0	0.37
77477	15 49 09.48	−51 57 18.5	8.53 H		237.289 479 57	−51.955 134 87		7.46	−75.60	−51.60	1.03	0.79	1.25	1.13	1.11	−	5	−35	−10	+24	+	1	−10	+	5	+28	−13	−	5	0	−0.65
77478	15 49 11.81	−01 59 16.6	8.09 H		237.299 221 94	−01.987 957 13		5.39	−24.48	−12.21	0.98	0.72	1.11	1.10	1.02	−34	−23	−	4	+17	+22	+	4	+24	−23	+12	−33	0	−0.19
77479	15 49 13.64	+28 34 14.2	9.25 H		237.306 820 33	+28.570 615 59		2.78	0.35	7.38	0.62	0.83	1.28	0.59	0.91	+	6	−	6	+	6	−18	+17	−11	+21	−15	−	0	+	2	0	1.63
77480	15 49 13.68	−52 12 56.9	7.30 1 H		237.307 009 27	−52.215 818 17		1.60	−0.66	−4.75	0.82	0.68	1.03	1.00	0.96	−	6	−24	−22	+24	−	4	−23	−	9	+31	−	4	−12	0	1.05
77481 H	15 49 14.89	−41 47 28.7	7.40 G		237.312 036 75	−41.791 298 25	*	2.29	−1.45	−15.09	2.91	1.53	1.17	1.11	1.00	−56	−12	−24	+13	−14	+	9	−	8	+41	−21	−31	3	−0.73
77482 H	15 49 15.70	+60 31 38.5	7.92 G		237.315 407 22	+60.527 354 05	*	10.66	−92.64	9.43	0.55	0.61	0.65	0.56	0.65	−	5	−	7	−	4	−10	−23	−	8	−20	+	7	+	3	−35	1	−0.08
77483	15 49 16.51	+09 36 42.9	9.13 G		237.318 772 59	+09.611 924 94		3.16	−15.12	−55.99	1.37	1.14	1.76	2.33	2.37	−47	−52	+18	+12	−	1	−40	−	9	−	4	+28	−68	0	−0.74
77484	15 49 16.75	+56 14 11.3	7.28 H		237.319 788 43	+56.236 484 89		3.57	13.90	−48.27	0.53	0.58	0.62	0.63	0.70	+18	−17	−22	−	5	−	8	+12	−	9	+	1	+11	+11	0	−0.65
77485	15 49 17.65	+03 44 56.9	8.29 H		237.323 547 05	+03.749 137 34		9.50	−37.41	−18.49	0.90	0.71	1.09	1.18	1.02	−22	−22	−26	+37	−25	+19	−14	+38	−26	−28	0	0.35
77486 H	15 49 17.84	−04 57 41.3	8.43 H		237.324 339 22	−04.961 472 75	A	2.17	−3.91	−5.49	1.62	1.01	1.50	1.49	1.21	+	4	−35	−28	+26	−	4	+	2	+	0	+25	−10	−18	2	0.51
77487	15 49 18.85	+69 05 58.0	8.40 H		237.328 554 59	+69.099 439 31		4.02	−18.31	6.63	0.63	0.67	0.69	0.68	0.82	+	7	−	8	−	5	+	1	−15	+	5	−11	+24	−20	−	9	0	−0.56
77488	15 49 19.72	+39 40 27.3	8.46 H		237.332 162 93	+39.674 246 75		1.10	−13.16	−6.70	0.69	0.66	0.83	0.78	0.82	+17	+	4	−	2	−10	−	3	+	3	+	7	+27	−	5	−12	0	1.59
77489	15 49 20.14	+05 02 43.3	8.01 H		237.333 913 05	+05.045 358 80		1.83	−35.58	8.38	0.92	0.72	1.03	1.17	1.02	−29	−29	+	1	+36	−23	+	5	−24	+34	+	5	−15	0	1.45
77490	15 49 20.16	+10 04 52.8	7.83 H		237.333 994 19	+10.081 343 36		6.50	−26.14	15.35	1.16	0.75	1.43	1.28	1.06	−29	−62	+24	+20	+	6	−	3	−14	+18	+33	−	7	0	−1.00
77491	15 49 20.66	−74 16 03.3	9.85 2 H		237.336 101 81	−74.267 576 44		−2.72	−5.66	−13.17	2.77	3.20	4.09	2.92	3.63	+20	−	9	+	1	−20	−11	−	5	−12	−15	+	7	+18	0		
*77492	15 49 22.26	−79 37 24.3	9.16 H		237.342 729 74	−79.623 419 25	A	8.83	−27.07	−51.43	1.42	1.52	1.70	1.37	1.70	+	0	−16	+	8	−	4	−	1	−	8	−	2	+	4	+	4	+	3	3	0.54
*77493	15 49 22.18	−33 12 47.2	9.47 H		237.342 428 49	−33.213 116 41		7.04	21.06	−30.96	1.21	0.79	1.51	1.68	1.12	−36	−	1	+	4	+30	+10	+15	+	9	+29	−16	−	4	2	−0.32
77494	15 49 23.05	−13 58 16.7	8.56 H		237.346 052 19	−13.971 302 26		5.58	−33.72	0.75	1.11	0.65	1.28	1.54	1.02	−10	−13	−	8	+27	−	2	+37	+	6	+29	−20	−	6	2	−1.62
77495	15 49 24.29	−55 35 07.0	8.47 H		237.351 214 13	−55.585 282 56		4.75	−14.71	−14.17	0.82

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
77401	9.625	0.016	8.026	0.008		1.340	0.014	T	1.30	0.02	L	8.0314	0.0014	0.013	114		8.01	8.06		C			1							S
77402	9.570	0.017	9.092	0.017		0.450	0.022	T	0.52	0.02	L	9.1747	0.0020	0.020	117		9.14	9.21		C			1							
77403	7.275	0.007	6.774	0.006		0.471	0.008	T	0.54	0.01	L	6.8013	0.0009	0.008	87		6.78	6.82		C			1							S
77404	8.645	0.015	8.228	0.015		0.387	0.015	G	0.45	0.02	H	8.3094	0.0017	0.013	75		8.29	8.34					1							S
77405	10.226	0.035	9.448	0.029		0.692	0.035	T	0.75	0.03	L	9.5149	0.0021	0.020	73		9.49	9.55		C			1							
77406	9.877	0.032	9.220	0.028		0.610	0.036	T	0.68	0.03	L	9.3074	0.0030	0.018	64		9.28	9.35					1							
77407	10.586	0.056	9.864	0.050		0.663	0.060	T	0.72	0.05	L	9.8646	0.0049	0.034	63		9.82	9.92					1							
77408	8.442	0.011	7.528	0.010		0.801	0.015	G	0.84	0.01	H	7.5781	0.0017	0.020	65		7.55	7.61		U 2			1							S
77409	10.953	0.045	9.466	0.021		1.252	0.039	T	1.21	0.04	L	9.3937	0.0030	0.028	118		9.36	9.46		R			1							
77410	8.848	0.017	8.186	0.015		0.641	0.010	G	0.71	0.01	H	8.2300	0.0011	0.009	71		8.21	8.25					1							S
77411	9.786	0.017	9.464	0.019		0.306	0.024	T	0.35	0.03	L	9.4984	0.0019	0.022	148		9.46	9.55		C			1							
77412	7.649	0.011	6.129	0.006		1.272	0.011	G	1.26	0.06	F	6.1350	0.0013	0.008	53		6.13	6.15					1							S
77413	9.502	0.015	8.453	0.011		0.911	0.014	T	0.91	0.01	L	8.5306	0.0018	0.015	113		8.51	8.56		C			1							
77414	8.820	0.011	8.634	0.013		0.178	0.004	G	0.20	0.01	H	8.6637	0.0017	0.021	99		8.62	8.70					1							
77415	9.449	0.019	8.080	0.011		1.159	0.017	T	1.12	0.01	L	8.0761	0.0016	0.012	93		8.05	8.10		C			1							
77416	9.027	0.018	8.453	0.016		0.537	0.021	T	0.61	0.02	L	8.5244	0.0016	0.014	59		8.50	8.54		C			1							S
77417	8.345	0.009	8.333	0.011		0.012	0.012	T	0.03	0.01	L	8.3542	0.0017	0.014	97		8.34	8.38					1							
77418	7.189	0.006	7.030	0.007		0.153	0.002	G	0.17	0.00	H	7.0608	0.0013	0.009	95		7.05	7.08		C			1							S
77419	9.792	0.020	8.635	0.013		0.993	0.019	T	0.97	0.01	L	8.6924	0.0015	0.017	115		8.67	8.73					1							
77420	10.000	0.030	9.498	0.029		0.483	0.032	T	0.55	0.03	L	9.5248	0.0025	0.018	93		9.49	9.56		C			1							
77421	8.470	0.010	7.900	0.009		0.537	0.010	T	0.61	0.01	L	7.9668	0.0017	0.012	96		7.95	8.00		C			1							S
77422	10.351	0.035	9.024	0.019		1.126	0.031	T	1.09	0.03	L	9.0797	0.0022	0.020	77		9.05	9.11		C			1							
77423	9.908	0.020	8.629	0.012		1.089	0.018	T	1.05	0.02	L	8.6611	0.0016	0.017	125		8.64	8.69		C			1							
77424	10.973	0.042	10.691	0.053		0.268	0.063	T	0.30	0.08	L	10.7600	0.0034	0.051	178		10.63	10.87					1 X S							G
77425	11.145	0.089	9.626	0.035		1.277	0.075	T	1.24	0.08	L	9.6682	0.0051	0.031	53		9.62	9.72					1							S
77426	10.933	0.063	8.883	0.019		1.697	0.052	T	1.72	0.05	L	8.8519	0.0024	0.019	92		8.82	8.89		C			1							
77427	8.183	0.012	7.730	0.010		0.429	0.016	G	0.50	0.02	H	7.7806	0.0013	0.009	82		7.76	7.80					1							S
77428	10.497	0.040	8.933	0.018		1.312	0.035	T	1.27	0.04	L	8.9341	0.0021	0.014	87		8.91	8.96		C			1							
77429	11.113	0.085	9.661	0.039		1.224	0.073	T	1.18	0.07	L	9.6692	0.0028	0.026	75		9.62	9.71		C			1							
77430	9.162	0.014	8.762	0.014		0.378	0.018	T	0.44	0.02	L	8.8286	0.0026	0.021	96		8.80	8.86					1							
77431	9.401	0.016	8.919	0.016		0.454	0.021	T	0.52	0.02	L	9.0048	0.0015	0.020	108		8.98	9.04					1							S
77432	9.486	0.018	9.040	0.018		0.434	0.020	T	0.50	0.02	L	9.0562	0.0019	0.020	94		9.02	9.09					1							
77433	8.716	0.013	7.100	0.007		1.353	0.012	T	1.32	0.01	L	7.0947	0.0012	0.009	80		7.08	7.12		C			1							S
77434	11.506	0.105	10.259	0.054		1.064	0.092	T	1.03	0.08	L	10.3403	0.0039	0.030	83		10.29	10.38					1							G
77435	6.855	0.006	6.720	0.008		0.130	0.009	T	0.14	0.01	L	6.7568	0.0006	0.006	72		6.74	6.77					1							S
77436	10.155	0.021	9.339	0.017		0.737	0.021	T	0.78	0.01	L	9.3940	0.0023	0.026	194		9.36	9.45		C			1 S							S
77437	8.439	0.008	6.979	0.005		1.230	0.007	T	1.19	0.01	L	7.0166	0.0009	0.010	169		7.00	7.04					1							S
77438	11.085	0.052	10.128	0.036		0.829	0.049	T	0.85	0.04	L	10.1196	0.0029	0.023	106		10.09	10.16		C			1							
77439	9.369	0.022	8.719	0.019		0.595	0.022	T	0.67	0.02	L	8.7809	0.0017	0.019	63		8.75	8.82		C			1							S
77440	8.919	0.016	8.543	0.016		0.337	0.010	G	0.39	0.01	H	8.6239	0.0019	0.021	107		8.59	8.66					1							S
77441	8.608	0.011	8.205	0.011		0.394	0.013	T	0.46	0.01	L	8.2541	0.0019	0.010	81		8.24	8.27					1							S
77442	6.614	0.015	5.959	0.011		0.608	0.016	T	0.68	0.01	L	6.0232	0.0075	0.154	221		5.86	6.42		U 2 B			1							S
77443	10.820	0.060	10.143	0.052		0.744	0.003	G	0.79	0.00	H	10.1186	0.0026	0.025	89		10.07	10.17					1							G
77444	9.662	0.017	8.604	0.012		0.898	0.003	G	0.94	0.00	H	8.6254	0.0019	0.020	128		8.59	8.67			15486−6514	I 1	1 S							
77445	10.160	0.028	8.745	0.015		1.212	0.026	T	3.48	0.06	O	8.2701	0.0124	0.084	93		8.14	8.41		U 2			1 G							
77446	10.824	0.057	9.879	0.039		0.963	0.002	G	1.01	0.00	I	9.8815	0.0030	0.022	90		9.84	9.93					1							
77447	10.087	0.028	9.547	0.027		0.506	0.035	T	0.58	0.04	L	9.6141	0.0023	0.023	104		9.57	9.65		C			1							
77448	7.687	0.014	7.120	0.010	*	0.530	0.015	T	0.60	0.02	L *	7.1190	0.0009	0.007	100	*	7.11	7.13		D	15487+8337	I 1	2 C A	AB	110	1.142	0.002	0.13	0.01	S
77449	8.242	0.009	8.259	0.012		−0.027	0.018	G	−0.01	0.02	H	8.2722	0.0014	0.011	75		8.26	8.29					1							S
77450	6.206	0.005	4.282	0.003		1.616	0.008	G	1.73	0.03	C	4.1929	0.0011	0.011	91		4.17	4.21		U 2			1							S
77451						1.420	0.015	G	1.72	0.04	I	11.3512	0.0050	0.053	120		11.15	11.44					1							G
77452	7.858	0.009	7.899	0.012		−0.017	0.008	G	0.01	0.01	H	7.9232	0.0036	0.020	77		7.89	7.96		U			1							S
77453	10.953	0.038	9.145	0.014		1.505	0.032	T	1.53	0.05	L	9.1360	0.0019	0.025	197		9.09	9.18					1 S							
77454	7.857	0.011	6.210	0.005	A	1.385	0.002	G	1.36	0.00	H *	6.1912	0.0009	0.007	77	*	6.18	6.20		D	15488−5226	I 1	2 C B	AB	288	1.222	0.045	3.83	0.22	S
77455	6.818	0.006	6.797	0.007		0.024	0.009	T	0.04	0.01	L	6.8064	0.0009	0.006	48		6.80	6.82		D			1 S							S
77456											T	12.5547	0.0102	0.070	67		12.36	12.67					1 G							D
77457	8.268	0.010	7.996	0.012		0.259	0.015	T	0.29	0.02	L	8.0321	0.0012	0.011	90		8.02	8.06					1							S
77458	8.998	0.016	7.038	0.007		1.592	0.001	G	1.60	0.09	H	6.9192	0.0017	0.013	75		6.90	6.95					1							S
77459	8.426	0.008	7.891	0.009	*	0.546	0.015	G	0.62	0.01	H *	7.9233	0.0009	0.011	181	*	7.90	7.95		D	15489+2314	H 1	2 C A	AB	261	0.534	0.020	3.62	0.11	S
77460	11.635	0.113	10.434	0.058		1.036	0.105	T	3.91	0.98	Q	10.5564	0.2496	1.237	104		9.02	12.58	243.20	P 1 B			1							D P
77461	10.745	0.051	10.261	0.052		0.589	0.015	G	0.66	0.01	H	10.2124	0.0024	0.023	80		10.17	10.26		C			1							
77462	10.830	0.049	8.623	0.015		1.865	0.042	T	2.66	0.06	O	8.3984	0.0037	0.039	89		8.34	8.44		U 2			1							
77463	7.129	0.005	6.696	0.005		0.423	0.006	T	0.49	0.01	L	6.7484	0.0009	0.008	134		6.74	6.76		C			1							S
77464	5.689	0.002	5.544	0.003		0.120	0.005	G	0.09	0.03	C	5.5728	0.0004	0.005	110		5.56	5.58					1							S
77465	10.053	0.023	8.930	0.015		0.967	0.021	T	0.95	0.02	L	9.0036	0.0023	0.018	104		8.97	9.04		C			1							S
77466	9.997	0.024	9.273	0.019		0.650	0.015	G	0.71	0.01	H	9.3193	0.0021	0.019	129		9.29	9.36		C			1							
77467	10.676	0.046	8.894	0.018		1.484	0.039	T	1.50	0.06	L	8.8450	0.0019	0.015	66		8.81	8.88		C			1							
77468	9.339	0.012	9.054	0.013		0.271	0.017	T	0.31	0.02	L	9.1232	0.0023	0.026	191		9.08	9.17					1							
77469	10.130	0.024	9.605	0.023		0.493	0.030	T	0.57	0.03	L	9.6876	0.0027	0.030	145		9.64	9.76					1							
77470	8.375	0.008	7.873	0.010		0.483	0.010	T	0.55	0.01	L	7.9187	0.0012	0.014	135		7.90	7.94					1							S
77471	10.880	0.057	10.460	0.064		0.397	0.079	T	0.46	0.09	L	10.5167	0.0069	0.057	85		10.46	10.92		P 1 A			1							G
77472	10.290	0.040	9.628	0.035		0.672	0.015	G	0.73	0.01	H	9.6692	0.0040	0.023	75		9.63	9.72		C			1							
77473	8.946	0.015	8.077	0.011		0.761	0.014	T	0.80	0.01	L	8.1549	0.0014	0.014	79		8.13	8.18		C			1							
77474	8.630	0.012	8.222	0.012		0.401	0.004	G	0.47	0.00	H	8.2874	0.0011	0.015	105		8.27	8.31		C			1							S
77475	10.726	0.032	9.078	0.014		1.378	0.028	T	1.35	0.03	L	9.0503	0.0018	0.022	175		9.01	9.09					1							
77476	10.170	0.041	8.990	0.026		1.011	0.038	T	0.99	0.03	L	9.0098	0.0030	0.015	52		8.98	9.05					1							
77477	9.275	0.020	8.616	0.018		0.602	0.020	T	0.67	0.02	L	8.6617	0.0018	0.012	82		8.63	8.68		C			1							
77478	8.546	0.013	8.125	0.013		0.398	0.017	T	0.46	0.02	L	8.1823	0.0020	0.013	68		8.16	8.21					1							S
77479	10.589	0.025	9.362	0.014		1.048	0.022	T	1.02	0.02	L	9.4147	0.0019	0.027	245		9.37	9.47					1							
77480	9.489	0.022	7.526	0.009		1.698	0.020	G	2.47	0.02	A	7.3168	0.0026	0.019	76		7.29	7.34		U 2			1							S
77481	7.393	0.006	7.423	0.008	*	−0.010	0.000	G	0.01	0.00	H *	7.4143	0.0013	0.011	95	*	7.39	7.44		D	15492−4147	H 1	2 C A	AB	307	0.266	0.014	1.43	0.10	S
77482	8.512	0.010	7.971	0.009	*	0.526	0.015	G	0.60	0.02	H *	8.0328	0.0012	0.011	107	*	8.01	8.06			15493+6032	I 1	2 C S A	AB	264	0.124	0.005	0.41	0.46	S
77483	10.627	0.057	9.268	0.030		1.240	0.015	G	1.20	0.01	H	9.2683	0.0022	0.018	58		9.24	9.32		C			1							
77484	8.984	0.011	7.420	0.006		1.312	0.010	T	1.27	0.01	L	7.4382	0.0011	0.011	117		7.42	7.46		C			1 G							S
77485	8.849	0.014	8.342	0.014		0.476	0.018	T	0.55	0.02	L	8.3942	0.0011	0.012	69		8.37	8.42		C			1							
77486	8.534	0.012	8.474	0.015	*	0.060	0.018	T	0.07	0.01	L *	8.4568	0.0017	0.013	65	*	8.44	8.49		D	15493−0458	I 1	2 C A	AB	238	0.852	0.014	2.43	0.05	S
77487	9.739	0.019	8.501	0.012		1.057	0.018	T	1.02	0.01	L	8.5736	0.0018	0.016	106		8.55	8.60		C			1							
77488	8.490	0.008	8.446	0.010		0.045	0.012	T	0.06	0.01	L	8.4804	0.0018	0.017	138		8.45	8.51		C			1							S
77489	9.314	0.020	8.120	0.013		1.022	0.019	T	1.00	0.02	L	8.1808	0.0017	0.014	71		8.16	8.21		C	15493+0503	I 1	1							
77490	8.262	0.017	7.865	0.012		0.379	0.015	G	0.44	0.02	H	7.9208	0.0013	0.011	57		7.90	7.95		D			1							S
77491	10.124	0.040	9.938	0.049		0.178	0.059	T	0.20	0.07	L	9.9135	0.0081	0.143	146		9.82	10.41		U	15493−7416	I 1	1 X S							G
77492	9.980	0.019	9.178	0.016	A	0.726	0.019	T	0.78	0.01	L	9.3003	0.0075	0.023	153	A	9.27	9.37		D	15493−7937	I 1	2 C A	AB	302	10.045	0.004	0.76	0.02	S
77493	10.304	0.030	9.495	0.023		0.715	0.029	T	0.77	0.02	L	9.6038	0.0021	0.022	126		9.57	9.64		C			1							
77494	8.919	0.015	8.599	0.016		0.304	0.021	T	0.35	0.03	L	8.6310	0.0016	0.014	82		8.60	8.65					1							S
77495	8.590	0.012	8.479	0.014		0.104	0.015	G	0.12	0.02	H	8.5129	0.0016	0.014	78		8.49	8.54		C			1							
77496	10.838	0.044	10.019	0.034		0.723	0.042	T	0.77	0.03	L	10.1589	0.0027	0.031	112		10.10	10.22		C			1							
77497	10.488	0.032	9.001	0.016		1.252	0.028	T	1.21	0.03	L	9.0163	0.0017	0.017	133		8.97	9.04					1							
77498	11.767	0.131	9.611	0.029		1.823	0.111	T	1.81	0.21	K	9.4615	0.0030	0.035	100		9.41	9.51					1							G
77499	9.612	0.023	8.489	0.015		0.967	0.021	T	0.95	0.02	L	8.5399	0.0020	0.013	58		8.52	8.58		C			1							
77500	10.849	0.048	10.304	0.047		0.511	0.060	T	0.58	0.06	L	10.4139	0.0048	0.037	88		10.35	10.48					1							G

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)												Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$		F1	F2
1 2	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas			mas/yr		19	20	21	22	23	24	25	26	27	28		%	
	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18												29	30
77501	15 49 31.31	+39 34 18.0	10.10	3 H	237.380 448 19	+39.571 672 30		0.51	5.56	−14.67	0.69	0.75	0.93	0.85	0.96	+12	+ 7	−17	− 4	+ 2	− 1	+ 4	+10	− 5	+ 1		3	−1.10
77502	15 49 32.00	−31 15 39.8	8.89	H	237.383 327 41	−31.261 067 76		5.01	−15.40	−22.06	1.06	0.66	1.14	1.13	0.86	+ 7	−32	−17	+ 8	− 4	+ 8	− 4	+ 8	+ 2	+ 3		2	−0.69
77503	15 49 32.88	+25 27 50.5	10.66	G	237.386 995 13	+25.464 036 14	B	8.35	−30.94	5.98	19.62	23.26	10.68	15.39	15.46	− 9	−29	+ 1	+20	−24	+ 1	−26	+ 5	+10	−20		2	1.90
77504	15 49 32.96	+25 27 36.7	8.68	G	237.387 317 53	+25.460 193 53	A	5.72	−47.50	6.05	2.21	2.25	2.64	2.41	2.31	−11	−31	− 1	+26	−18	+ 3	−21	+15	+11	−19		2	1.90
77505	15 49 33.62	−56 53 07.4	9.47	H	237.390 103 85	−56.885 379 94		0.65	2.27	−3.12	0.98	0.88	1.24	1.32	1.20	+19	−17	− 5	+22	+15	+ 3	+12	+38	+ 0	+34		0	−0.18
77506	15 49 33.97	+12 33 31.1	6.69	H	237.391 558 96	+12.558 644 47		6.28	1.78	19.43	1.11	0.91	1.00	1.53	1.18	−37	− 5	−32	+49	−49	+15	−44	+66	−22	−43		0	−1.23
77507	15 49 34.38	−36 37 04.5	8.96	H	237.393 268 60	−36.617 909 85		3.83	−8.72	−5.69	1.23	0.85	1.47	1.71	1.21	−27	− 5	−19	+ 8	+27	− 3	+29	+ 6	− 3	−10		2	−1.01
77508	15 49 34.41	+37 09 51.8	9.80	H	237.393 388 59	+37.164 386 92		9.58	−34.15	14.51	0.75	0.84	1.04	0.79	1.01	− 4	+ 2	− 9	− 7	+ 4	+ 0	+ 5	+ 2	+ 2	−15		0	1.93
77509	15 49 34.75	−69 18 29.5	9.19	H	237.394 780 73	−69.308 183 04		6.34	−16.45	21.11	0.68	0.94	1.27	0.74	1.03	+31	−11	−12	+ 1	+13	−23	+11	+21	− 6	+31		0	1.74
77510	15 49 34.84	−14 32 26.7	8.94	H	237.395 160 33	−14.540 750 37		5.70	−35.37	−14.07	1.12	0.70	1.21	1.32	1.07	− 3	−18	−18	+16	− 4	+18	+ 3	+24	−10	−22		0	0.15
77511	15 49 34.90	−72 44 07.7	8.62	1 H	237.395 416 01	−72.735 477 82		2.07	−7.26	−13.31	0.55	0.74	0.91	0.63	0.94	+16	−11	− 2	+ 2	+ 8	− 3	+ 7	+22	+ 7	+18		0	−2.17
77512	15 49 35.70	+26 04 06.8	4.59	1 H	237.398 741 82	+26.068 549 36		19.71	−79.85	−63.78	0.42	0.45	0.73	0.49	0.55	+11	−23	− 3	+14	− 7	+ 1	−10	− 7	+14	+10		0	0.60
77513	15 49 36.19	−30 14 49.0	9.29	H	237.400 804 01	−30.246 948 53		0.14	−17.44	−1.35	1.16	0.77	1.39	1.29	1.04	− 7	−28	−34	− 1	+11	− 6	+ 8	− 6	+14	−36		2	−0.80
77514	15 49 36.62	+51 02 54.7	12.84	2 H	237.402 581 87	+51.048 520 13		57.78	−366.65	277.03	3.11	3.84	3.37	3.99	6.60	+14	− 6	−23	−24	−13	+18	− 8	−63	+39	+24		3	0.99
77515	15 49 36.97	−35 52 28.2	9.15	G	237.404 060 85	−35.874 509 02		5.71	−55.90	52.49	1.08	0.74	1.38	1.23	1.09	−21	−28	−24	+ 2	+11	− 9	+14	+10	− 2	−37		2	1.39
77516	15 49 37.27	−03 25 48.5	3.54	G	237.405 273 75	−03.430 141 12		20.94	−98.07	−27.41	0.81	0.53	0.82	0.90	0.63	+ 0	−44	−16	+39	+ 2	−15	+ 2	+23	−11	− 0		0	−0.94
77517	15 49 37.90	−49 57 47.9	9.36	G	237.407 937 39	−49.963 296 84		19.92	−235.58	−94.14	1.19	0.95	1.49	1.31	1.29	− 6	−30	−17	+ 7	+ 0	−11	+ 4	+34	−10	−18		0	0.47
77518	15 49 38.29	−47 36 30.7	11.15	G	237.409 524 24	−47.608 517 89		37.46	58.84	−393.49	1.81	1.58	2.49	1.98	1.95	− 4	−18	−25	+ 7	− 6	−18	− 9	+26	− 8	−16		0	0.45
77519	15 49 38.93	+23 40 16.1	7.75	H	237.412 214 52	+23.671 146 29		5.86	15.07	−19.41	0.49	0.61	0.98	0.59	0.70	−18	+15	−19	+29	−17	+12	−15	− 1	+ 3	−17		0	1.68
77520	15 49 39.65	−38 46 38.7	9.25	H	237.415 199 26	−38.777 419 57		7.63	−14.79	−23.68	1.23	0.79	1.37	1.60	1.09	− 8	− 9	− 9	+31	+12	+ 4	+13	+32	− 4	− 4		0	1.52
77521	15 49 40.25	−20 46 38.9	7.71	H	237.417 699 70	−20.777 473 71		3.76	−4.35	1.27	0.98	0.54	1.12	1.08	0.76	−15	−49	− 1	− 4	− 3	+25	+ 1	+13	− 9	− 8		2	1.21
77522	15 49 43.03	+25 38 41.3	8.79	H	237.429 307 45	+25.644 794 77		8.66	35.75	−80.46	0.82	0.87	1.28	1.01	1.02	− 2	−24	−17	+20	−25	− 1	−27	+ 9	+ 7	−19		1	−2.01
77523	15 49 43.11	−32 48 29.6	7.47	G	237.429 639 63	−32.808 229 83		5.00	−14.79	−23.41	0.72	0.49	0.87	0.95	0.70	−34	−20	+13	+23	+ 4	− 1	+ 8	+23	−22	+ 3		2	−0.92
77524	15 49 44.99	−39 25 08.9	10.64	H	237.437 472 19	−39.419 137 24		6.63	−24.46	−25.17	1.66	1.29	1.93	1.99	1.79	−21	−15	− 9	+25	−12	− 7	−11	+43	+ 0	−27		2	−0.26
77525	15 49 45.49	+11 46 11.8	10.54	H	237.439 549 79	+11.769 935 96		5.74	31.14	−25.67	1.91	1.43	2.15	2.79	2.31	−11	−13	+22	+22	−30	−16	−23	+ 8	−31	+ 0		0	1.05
77526	15 49 46.34	−63 45 53.0	8.77	H	237.443 103 73	−63.764 722 30		5.11	−54.89	−51.35	0.73	0.86	1.17	1.00	1.10	+ 2	− 3	−17	+18	+22	+ 0	+22	+30	− 8	−10		0	−0.10
77527	15 49 49.14	−52 14 41.4	8.66	H	237.454 744 38	−52.244 833 02		3.16	−14.82	−8.32	1.03	0.84	1.29	1.19	1.19	− 3	−24	−23	+22	− 4	−21	− 9	+28	− 3	−17		0	−1.00
77528	15 49 49.65	+47 28 22.4	8.59	H	237.456 868 22	+47.472 879 15		14.81	48.00	−25.59	0.66	0.72	0.81	0.90	0.91	− 6	− 1	+ 5	+ 0	+15	+ 4	+13	− 0	− 2	−31		0	−0.56
77529	H 15 49 49.97	+44 31 19.5	7.69	H	237.458 204 61	+44.522 072 39	A	3.29	−12.52	4.01	0.96	1.02	1.05	1.16	1.20	+19	− 6	+ 8	+14	+ 5	−13	+ 7	+ 6	−30	+43		4	0.82
77530	H 15 49 51.27	+42 47 19.4	9.24	H	237.463 624 61	+42.788 712 13	A	2.05	−31.43	26.56	2.31	2.56	2.41	2.60	3.12	+ 8	+ 3	+10	− 4	− 6	−16	− 2	+ 6	+ 7	−13		3	2.02
77531	15 49 51.29	−27 52 54.0	8.69	H	237.463 688 70	−27.881 659 81		6.83	−19.29	−94.11	1.34	0.76	1.77	2.10	0.98	+ 0	− 9	−18	−19	+ 4	−54	−10	−14	+17	− 4		0	−1.45
77532	15 49 51.61	+02 30 02.8	7.15	1 H	237.465 035 76	+02.500 765 09		12.21	− 4.62	− 7.08	0.77	0.56	0.83	0.90	0.75	−15	−31	−11	+38	− 9	+10	− 3	+33	−13	−20		0	0.08
77533	15 49 52.07	−66 29 23.1	9.29	G	237.466 974 21	−66.489 754 87		0.48	− 5.40	− 4.88	0.74	0.95	1.42	0.82	1.30	+ 4	−16	− 4	−23	− 7	+ 5	− 5	+20	− 4	− 1		0	−1.99
77534	15 49 52.28	−17 54 07.0	6.82	H	237.467 843 99	−17.901 935 62		23.06	23.53	− 4.46	0.89	0.56	0.95	1.15	0.94	−18	−19	+ 7	− 6	−21	−14	−23	+25	−22	− 2		2	1.88
77535	15 49 52.47	+61 20 17.7	8.28	H	237.468 645 10	+61.338 237 66		2.18	8.72	− 7.26	0.60	0.60	0.67	0.58	0.63	− 7	− 6	−12	−27	− 5	− 2	− 2	− 8	− 4	−25		1	0.53
77536	15 49 53.10	+14 03 56.3	7.54	G	237.471 233 23	+14.065 648 57		10.74	−110.96	6.59	1.07	0.98	1.23	1.14	1.42	−13	−46	−35	+45	−33	− 2	−27	+56	− 4	−55		0	−0.87
77537	15 49 53.30	−28 18 47.2	9.96	H	237.472 099 66	−28.313 123 92		7.08	− 6.48	10.31	1.80	1.10	2.01	2.02	1.32	−24	−18	+ 1	− 9	+24	− 8	+25	−24	+ 3	−21		0	−0.52
77538	15 49 53.95	+02 47 43.1	8.30	H	237.474 806 54	+02.795 293 61		5.72	− 3.87	−18.28	1.00	0.70	1.11	1.23	1.05	− 2	−34	−14	+33	+ 4	+ 2	+ 8	+30	− 7	− 8		0	−1.79
77539	15 49 56.57	−21 29 26.5	7.63	H	237.485 724 22	−21.490 689 13		4.95	3.09	−21.22	1.34	0.63	1.29	1.72	1.17	+26	− 7	+ 1	−55	−37	−10	−40	−18	−48	+44		6	2.38
77540	15 49 57.19	−39 14 10.2	10.37	H	237.488 272 79	−39.236 154 92		8.25	−95.50	−74.07	1.54	1.15	1.80	1.88	1.59	−26	−21	− 4	+24	− 7	− 3	− 5	+37	− 7	−27		2	2.38
77541	15 49 57.52	−48 54 44.6	5.86	H	237.489 670 22	−48.912 382 26	+	16.82	−27.63	−10.43	0.70	0.50	3.78	0.85	0.69	+ 5	− 9	−20	+26	+17	−44	+24	+36	−26	+15		0	1.84
77542	15 49 57.76	−03 55 16.2	7.11	H	237.490 661 23	−03.921 159 74		10.10	−16.86	−21.11	0.75	0.51	0.83	0.98	0.71	−25	−19	+ 5	+26	− 8	+ 4	− 6	+17	+ 0	− 2		2	0.44
77543	15 49 58.65	−21 34 49.0	10.47	G	237.494 377 80	−21.580 286 48		15.53	116.05	−46.91	13.13	7.77	14.26	17.65	12.78	+ 0	−23	−10	−11	+ 1	+ 9	+ 7	+ 3	−24	+ 2		0	
77544	H 15 49 59.28	+60 12 17.0	8.82	H	237.496 984 94	+60.204 727 63	*	3.33	12.60	−15.53	1.82	1.74	1.19	1.06	1.27	+ 9	− 5	+ 2	−26	−27	−24	−14	+ 3	+19	−41		3	0.33
77545	15 49 59.79	−25 09 03.4	9.23	H	237.499 136 54	−25.150 932 07		8.99	−11.43	−25.47	1.32	0.81	1.56	1.46	1.03	− 9	−32	−24	+25	− 7	+28	+ 5	+27	− 9	−20		0	1.99
77546	15 50 00.39	−11 03 39.6	9.06	H	237.501 624 77	−11.060 987 23		−0.95	− 6.10	−15.10	1.42	0.76	1.41	1.55	1.19	+16	−29	−20	+32	+23	+ 9	+30	+14	+ 1	− 3		0	0.52
77547	15 50 00.69	−14 03 03.8	8.13	H	237.502 888 54	−14.051 055 57		15.13	−134.91	−39.54	1.03	0.62	1.09	1.19	0.82	+ 0	−23	+11	+19	+12	+27	+13	+17	− 6	+ 8		0	0.67
77548	15 50 00.73	+26 10 43.8	8.73	H	237.503 038 98	+26.178 824 08		5.27	− 4.06	10.31	0.66	0.69	1.28	0.74	0.74	+23	−22	−20	+11	−13	+ 6	−14	−14	+ 8	+12		0	0.09
77549	15 50 00.98	+19 41 33.3	8.22	H	237.504 078 40	+19.692 592 06		3.46	27.26	−28.86	0.88	0.84	1.16	0.96	1.13	−23	−21	− 1	−23	−15	+26	−17	+10	−11	−24		0	−0.14
77550	15 50 01.52	+54 45 59.5	8.38	H	237.506 344 72	+54.766 530 40		2.21	25.28	−18.77	0.66	0.72	0.76	0.76	0.86	+10	− 9	+ 1	−12	− 5	−11	− 8	+20	+ 5	+15		0	0.87
77551	15 50 01.72	+41 14 56.1	9.83	H	237.507 161 35	+41.248 907 11		−1.57	−12.59	1.49	0.89	1.10	1.24	1.09	1.23	+13	+ 1	−18	+ 2	+20	−29	+17	+39	−18	+11		0	0.90
77552	15 50 02.11	−25 24 35.3	8.75	G	237.508 796 42	−25.409 796 77		3.81	− 9.24	−20.75	1.18	0.77	1.35	1.39	1.02	−19	−24	−15	+12	−13	+20	− 8	+29	−12	−13		5	0.10
77553	15 50 02.87	+27 18 05.2	10.43	H	237.511 957 69	+27.301 444 23		4.99	− 3.20	−27.12	1.09	1.26	2.12	1.16	1.48	+38	−11	− 3	+23	+ 0	+ 0	− 4	+ 5	−12	+13		5	1.93
77554	15 50 03.19	−18 08 33.6	7.62	G	237.513 275 91	−18.142 671 36		12.21	1.49	−35.83	1.07	0.67	1.10	1.49	1.25	−30	− 9	− 2	− 2	−28	−10	−40	+41	−26	− 1		0	0.83
77555	H 15 50 03.49	+30 45 39.6	10.08	H	237.514 553 87	+30.761 008 12	A	2.20	4.51	− 2.19	1.44	1.58	2.00	1.39	1.65	+ 5	+ 1	+ 0	+ 4	+ 8	−19	+ 7	− 7	− 8	+ 5		1	0.30
77556	15 50 03.90	−36 33 07.1	10.00	H	237.516 243 68	−36.551 980 52		5.37	1.40	− 8.81	1.60	1.06	1.88	2.18	1.58	−21	−15	−17	+14	+31	−10	+34	+ 9	− 2	− 5		4	2.40
77557	15 50 05.82	+59 00 47.0	8.98	H	237.524 253 60	+59.013 046 31		2.48	8.12	− 8.97	0.70	0.72	0.80	0.73	0.81	+ 6	+ 5	−16	−16	−10	+ 7	− 5	+ 6	− 3	−19		1	1.13
77558	15 50 05.89	−42 59 23.5	9.90	H	237.524 546 76	−42.989 872 91		6.18	−51.39	−79.57	1.24	0.99	1.67	1.34	1.25	−10	−17	−34	+11	− 9	−14	− 8	+34	−18	−32		0	1.06
77559	H 15 50 06.20	+70 40 46.6	9.19	H	237.525 813 45	+70.679 620 93	A	6.98	−27.49	− 4.64	1.29	1.30	1.23	1.48	1.45	+ 2	−18	−10	−19	+ 8	+ 1	+ 7	+ 1	−13	+ 4		0	−1.00
77560	15 50 06.21	−39 38 20.2	9.02	H	237.525 882 11	−39.638 934 19		5.73	−10.82	−37.97	1.04	0.83	1.17	1.18	1.16	−28	−28	+ 2	+28	−16	− 3	−12	+46	+ 2	−41		2	0.25
77561	15 50 06.37	−19 55 47.7	9.85	H	237.526 558 95	−19.929 929 72		4.42	−49.27	11.62	1.52	0.96	1.71	1.71	1.59	−20	−40	− 3	+12	− 8	+ 8	− 2	+26	+ 3	−48		2	1.28
77562	15 50 07.11	−53 12 34.8	5.78	H	237.529 627 96	−53.209 675 34		9.00	−27.60	−39.07	0.62	0.59	0.82	0.76	0.89	− 4	−26	−21	+38	+ 0	−17	− 4	+32	+ 9	−25		4	0.51
77563	15 50 07.67	−09 25 40.0	8.37	H	237.531 959 91	−09.427 790 96		2.42	7.12	31.75	1.05	0.64	1.20	1.07	0.88	− 1	−45	−22	+ 7	− 1	+ 3	+ 9	+11	−19	−19		0	1.50
77564	15 50 08.02	+64 47 58.8	7.21	H	237.533 421 87	+64.799 675 14		4.41	− 0.32	7.09	0.48	0.47	0.52	0.46	0.52	+10	−21	−13	− 7	+ 0	−17	+ 1	+16	−12	+ 6		0	0.63
77565	15 50 08.96	+23 10 33.2	8.80	H	237.537 314 27	+23.175 882 35		5.04	7.36	−53.62	0.61	0.83	1.27	0.76	1.03	−20	+12	−18	+45	−15	+14	−15	+15	− 9	−23		1	−2.65
77566	15 50 10.48	−54 45 27.1	11.44	H	237.543 684 01	−54.757 521 22	B	−1.89	−14.65	25.46	44.01	31.82	17.15	32.88	29.01	+23	−18	− 4	+ 9	+23	−11	+20	+32	−10	+47		3	0.17
*77567	15 50 11.48	−54 45 39.5	8.95	G	237.547 812 73	−54.760 981 10	A	0.29	− 3.83	− 3.65	2.36	2.03	2.29	2.48	2.37	+16	−20	− 3	+20	+25	+ 1	+24	+39	− 3	+35		3	0.17
*77568	15 50 11.36	−06 32 14.5	9.97	H	237.547 348 27	−06.537 356 79		9.62	−17.70	−10.71	1.79	1.13	1.74	2.36	1.85	−38	−33	+ 9	+16	−28	− 6	−41	+48	+18	−16		0	−0.27
*77569	15 50 11.47	−28 42 15.5	8.94	H	237.547 794 52	−28.704 311 94		−0.89	− 0.24	− 4.04	1.13	0.79	1.24	1.14	1.00	−35	−27	− 9	−12	+28	+ 0	+30	−21	− 1	−49		2	−1.27
77570	15 50 11.88	+05 57 17.4	7.11	H	237.549 499 12	+05.954 836 39		8.96	−29.74	−26.54	0.73	0.63	0.96	0.95	1.05	−20	−35	−20	+22	+ 9	−28	− 9	−14	+28	−50		0	0.22
77571	15 50 12.59	−41 54 18.5	8.50	H	237.552 460 18	−41.905 125 46		7.06	1.89	−35.25	0.93	0.71	1.12	1.08	0.91	−15	−11	−12	+23	+ 0	+11	+ 4	+30	−16	−17		5	2.33
77572	H 15 50 13.30	−11 33 52.7	8.76	G	237.555 434 45	−11.564 635 50	*	4.22	−18.17	−18.98	6.14	2.38	2.63	2.89	2.27	−29	− 6	− 9	+21	+ 9	+27	+12	+27	− 4	− 5		0	−0.47
77573	15 50 14.69	+50 53 02.0	8.73	H	237.561 218 14	+50.883 882 30		4.75	10.86	− 0.67	0.71	0.76	0.82	0.91	0.94	+17	− 6	−11	−16	−10	+ 2	−10	−18	+ 7	+ 6		0	−1.10
77574	15 50 16.28	−45 24 05.9	6.11	H	237.567 837 11	−45.401 632 54		22.24	39.58	−33.54	0.61	0.51	0.77	0.63	0.67	−20	−20	−22	+ 2	− 4	−10	+ 2	+27	−14	−41		0	1.42
77575	15 50 16.43	−47 01 26.0	7.74	H	237.568 459 26	−47.023 901 44		1.93	2.76	−18.94	0.76	0.63	1.01	0.81	0.86	− 1	−36	−37	+ 9	−15	− 4	− 8	+32	−13	−38		0	1.68
77576	15 50 16.44	−25 32 00.2	9.43	H	237.568 508 82	−25.533 385 17		4.28	− 6.02	−70.47	1.64	0.97	1.90	1.76	1.36	−12	−41	−11	+15	− 4	+17	+13	+22	−32	− 8		8	0.68
77577	15 50 17.48	−49 02 25.1	6.89	H	237.572 847 33	−49.040 314 38		4.68	−21.53	−76.59	0.71	0.55	0.90	0.85	0.72	+ 6	−31	−20	+23	+14	+ 1	+14	+35	+ 1	+ 8		0	1.04
77578	15 50 17.53	+02 11 47.8	5.21	H	237.573 038 95	+02.196 624 89		12.40	30.15	−47.62	0.68	0.48	0.73	0.71	0.63	−24	−35	−10	+33	−21	+10	−11	+38	−24	−27		0	−1.17
77579	15 50 19.44	−50 45 13.2	8.71	H	237.581 018 30	−50.753 655 73		−0.66	− 0.64	− 2.72	1.09	0.82	1.33	1.34	1.13	+ 3	−18	− 6	+ 9	+11	− 5	+ 6	+33	− 3	+24		0	−0.14
77580	15 50 21.35	−58 30 06.7	7.57	H	237.588 978 20	−58.501 856 05		0.08	− 1.62	− 2.25	0.67	0.68	0.88	0.85	0.97	− 1	−17	−18	+24	−13	−10	−12	+49	−23	− 3		0	0.44
77581	H 15 50 23.62	−03 03 19.1	8.52	G	237.598 415 30	−03.055 291 78	A	9.75	−25.50	− 7.79	2.20	1.64	2.52	3.03	2.88	−58	−41	+26	+26	−28	−24	−31	+37	+37	−67		1	−0.13
77582	15 50 24.21	+16 45 01.5	9.68	H	237.600 867 76	+16.750 422 49		1.06	− 5.47	−25.30	2.92	2.53	3.46	3.46	3.33	− 8	−33	−14	+ 5	− 3	+ 1	− 3	− 8	− 5	−25		0		
77583	15 50 24.51	+38 49 17.8	8.68	H	237.602 145 71	+38.821 614 92		1.94	−13.53	− 0.58	0.70	0.80	0.94	0.81	0.97	+15	− 9	+ 7	+11	+ 8	+11	+10	+23	−12	+ 0		0	0.19
77584	15 50 26.09	+01 49 08.8	8.28	H	237.608 727 90	+01.819 114 33		15.69	−53.43	−53.98	0.99	0.73	1.13	1.04	1.00	−31	−50	+ 2	+27	−24	− 6	−24	+42	+ 3	−31		0	0.36
77585	15 50 26.60	−22 52 20.1	9.08	H	237.610 839 18	−22.872 236 37		3.25	−10.35	− 0.28	1.25	0.72	1.57	1.81	1.19	+ 0	−22	−33	− 9	− 6	+30	+12	+20	−34	−13		0	0.81
77586	15 50 26.92	+24 33 49.8	9.06	H	237.612 177 76	+24.563 835 71		6.07	2.10	−25.96	0.70	0.79	1.22	0.84	0.96	− 9	−10	+ 0	+36	−21	− 1	−22	+15	+16	− 6		0	0.97
77587	15 50 27.06	+17 31 19.6	9.48	H	237.612 760 14	+17.522 100 80		2.00	− 1.69	−18.84	1.17	1.18	1.58	1.28	1.63	− 8	−30	−10	−52	− 8	+ 8	−12	−30	+22	−30		0	1.55
77588	15 50 27.27	−17 34 37.0	9.31	H	237.613 609 25	−17.576 955 15		8.13	−25.79	−27.56	1.56	0.89	1.66	2.12	1.59	−16	−25	− 1	+ 3	−13	− 4	−17	+33	−21	+ 7		0	2.42
77589	15 50 27.73	+21 14 52.3	8.68	H	237.615 530 80	+21.247 855 70		4.82	4.28	5.23	0.85	0.91	1.25	0.97	1.05	− 2	−22	− 9	−14	−54	+18	−54	+37	+ 5	+ 0		4	1.93
77590	15 50 28.69	−17 20 55.6	8.03	H	237.619 522 58	−17.348 766 74		3.53	12.59	− 4.34	1.23	0.67	1.28	1.54	1.17	−14	−36	+ 1	− 6	−14	− 8	+18	−27	+16	+ 8		0	−0.97
77591	15 50 28.83	+51 46 17.1	8.34	H	237.620 128 75	+51.771 423 40		3.05	−10.35	− 3.52	0.63	0.73	0.76	0.72	0.79	+ 4	− 5	−12	+15	+10	− 3	+ 9	+ 8	+12	+13		0	−0.21
77592	15 50 29.72	+49 14 54.2	9.20	H	237.623 832 48	+49.248 377 44		5.37	16.25	−17.66	0.84	0.84	0.96	0.96	0.99	+15	+ 3	−21	−18	− 9	+ 2	− 5	− 1	− 3	− 3		0	2.42
*77593	15 50 30.39	−73 59 43.5	8.83	H	237.626 641 18	−73.995 426 47		2.46	−23.70	− 9.03	0.67	0.83	1.05	0.72	0.91	+10	−15	+17	− 7	−12	− 6	−14	+ 9	+14	+12		1	2.46
*77594	15 50 30.38	−02 14 30.7	9.50	H	237.626 563 92	−02.241 856 17		3.44	−14.96	−12.19	1.48	1.08	1.68	2.01	1.69	−37	−22	+ 2	+ 9	+17	− 1	+16	−19	+14	−32		0	2.42
77595	15 50 30.98	−52 30 29.4	8.68	H	237.629 081 80	−52.508 179 88		3.67	− 2.15	− 3.60	1.03	0.87	1.27	1.30	1.21	+ 4	−17	−19	+28	− 3	−24	− 9	+25	+ 3	− 7		0	−0.03
77596	15 50 31.09	+20 20 24.9	7.60	H	237.629 523 58	+20.340 239 34		5.15	16.44	−38.86	0.84	0.68	0.98	0.86	0.85	−10	−33	− 3	− 5	−20	+ 4	−14	+ 7	−18	−11		0	0.08
77597	15 50 32.01	+11 28 46.1	9

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
77501	12.629	0.213	9.185	0.018		4.410	0.510	G	4.46	0.52	J	9.3125	0.1533	0.934	135		7.90	10.36	358.00	P 1 B			1 S							G P
77502	9.375	0.019	8.918	0.019		0.444	0.021	T	0.51	0.02	L	8.9937	0.0021	0.018	87		8.96	9.02					1						
77503	11.665	0.135	10.627	0.080	B	0.810	0.020	G	0.84	0.01	H	10.7829	0.0593			B				D	15495+2528	I 2	1 C I A						
77504	9.424	0.018	8.722	0.016	A	0.635	0.015	G	0.70	0.01	H	8.7900	0.0105	0.038	119	A	8.74	8.88		D	15495+2528	I 2	1 C P A							S P
77505	9.632	0.021	9.512	0.028		0.160	0.015	G	0.18	0.01	H	9.5257	0.0024	0.019	99		9.49	9.56					1							G
77506	7.937	0.009	6.796	0.007		0.981	0.009	T	0.96	0.01	L	6.8545	0.0013	0.007	48		6.84	6.88		C			1							S
77507	11.166	0.068	9.135	0.019		1.682	0.056	T	1.71	0.06	L	9.0691	0.0013	0.017	90		9.04	9.11		D			1							
77508	10.409	0.030	9.884	0.031		0.493	0.039	T	0.57	0.04	L	9.9055	0.0024	0.024	145		9.86	9.95					1							
77509	9.824	0.015	9.274	0.014		0.521	0.015	T	0.59	0.02	L	9.3033	0.0022	0.028	234		9.25	9.36					1 S							
77510	9.440	0.018	8.981	0.018		0.423	0.015	G	0.49	0.02	H	9.0326	0.0022	0.017	82		8.99	9.07		C			1							
77511	8.565	0.008	8.616	0.010		−0.043	0.011	T	−0.02	0.01	L	8.6134	0.0019	0.024	171		8.58	8.65		U			1							
77512	5.572	0.003	4.681	0.003		0.794	0.001	G	0.82	0.03	C	4.7388	0.0008	0.009	121		4.73	4.76		U 2			1							S
77513	9.760	0.024	9.314	0.025		0.434	0.028	T	0.50	0.03	L	9.3846	0.0022	0.017	91		9.36	9.42					1							
77514						2.200	0.495	G	4.33	1.47	I	12.1154	0.0135	0.084	90		11.99	12.26		U			1 G							G
77515	9.692	0.021	9.137	0.020		0.513	0.015	G	0.59	0.02	H	9.2470	0.0021	0.019	98		9.22	9.28		C			1							
77516	3.524	0.001	3.546	0.002		−0.036	0.005	G	−0.03	0.02	A	3.5411	0.0004	0.004	99		3.54	3.55		D			1 G							S
77517	10.505	0.039	9.508	0.027		0.935	0.005	G	0.98	0.01	I	9.5092	0.0021	0.025	97		9.47	9.55					1							G
77518						1.415	0.007	G	1.71	0.02	I	11.2579	0.0041	0.037	86		11.19	11.33		C			1							G
77519	8.952	0.011	7.838	0.007		0.960	0.010	T	0.95	0.01	L	7.9094	0.0012	0.014	162		7.89	7.93					1							S
77520	9.720	0.022	9.315	0.023		0.440	0.015	G	0.51	0.02	H	9.3529	0.0019	0.016	93		9.33	9.39					1							
77521	7.849	0.010	7.730	0.012		0.115	0.015	T	0.13	0.01	L	7.7542	0.0014	0.010	74		7.74	7.77		C			1							S
77522	9.449	0.021	8.876	0.020		0.536	0.026	T	0.61	0.03	L	8.9093	0.0026	0.023	110		8.88	8.95					1							S
77523	7.476	0.005	7.469	0.007		0.010	0.006	G	0.03	0.01	H	7.4849	0.0007	0.008	124		7.47	7.50		C			1							S
77524	11.937	0.138	10.646	0.066		1.093	0.123	T	1.05	0.13	L	10.7818	0.0056	0.052	101		10.70	10.84			15498−3925	I 1	1 S							G
77525						0.560	0.072	G	0.63	0.07	R	10.6567	0.0061	0.034	49		10.58	10.70					1							G
77526	9.515	0.016	8.868	0.015		0.593	0.016	T	0.66	0.01	L	8.9012	0.0022	0.024	140		8.86	8.94					1							
77527	10.063	0.030	8.744	0.017		1.120	0.027	T	1.08	0.03	L	8.8314	0.0024	0.016	70		8.80	8.85		C			1							
77528	9.479	0.016	8.655	0.013		0.743	0.016	T	0.79	0.01	L	8.7332	0.0025	0.023	120		8.69	8.76					1 G							S
77529	7.854	0.010	7.740	0.010	*	0.111	0.013	T	0.12	0.01	L *	7.7332	0.0010	0.015	112	*	7.72	7.76		D	15498+4431	I 1	2 C A	AB	30	0.637	0.004	1.27	0.02	S
77530	9.749	0.026	9.205	0.025	*	0.510	0.032	T	0.58	0.03	L *	9.3543	0.0026	0.024	129	*	9.32	9.40		D	15499+4247	I 1	2 C A	AB	299	4.894	0.007	0.18	0.03	S
77531	9.394	0.018	8.757	0.016		0.586	0.018	T	0.66	0.02	L	8.8150	0.0022	0.016	72		8.79	8.86					1							
77532	7.537	0.008	7.190	0.006		0.329	0.009	T	0.38	0.01	L	7.2312	0.0014	0.014	83		7.21	7.25		M			1 S							S
77533	9.218	0.013	9.294	0.019		−0.059	0.003	G	−0.04	0.00	H	9.2745	0.0023	0.026	155		9.23	9.33					1							
77534	7.297	0.007	6.881	0.006		0.407	0.008	T	0.47	0.01	L	6.9164	0.0008	0.006	76		6.91	6.93					1							S
77535	10.149	0.029	8.449	0.013		1.419	0.025	T	1.40	0.04	L	8.4200	0.0013	0.013	103		8.40	8.45		C			1							
77536	8.203	0.017	7.586	0.012		0.584	0.015	G	0.66	0.01	H	7.6604	0.0015	0.008	50		7.65	7.67		C			1							S
77537	10.818	0.057	10.051	0.047		0.699	0.058	T	0.76	0.05	L	10.0980	0.0037	0.026	73		10.06	10.15		C			1							G
77538	10.028	0.028	8.456	0.014		1.319	0.025	T	1.28	0.03	L	8.4568	0.0026	0.016	78		8.44	8.48					1							
77539	9.193	0.021	7.786	0.012		1.189	0.019	T	1.15	0.02	L	7.7911	0.0012	0.010	68		7.78	7.81					1							S
77540	11.098	0.062	10.273	0.045		0.727	0.059	T	0.78	0.04	L	10.5070	0.0035	0.028	104		10.46	10.55		C			1							G
77541	5.943	0.003	5.863	0.003		0.068	0.003	G	0.06	0.00	L	5.8776	0.0006	0.006	92		5.87	5.89		C			1 O							S
77542	7.240	0.007	7.143	0.007		0.095	0.009	T	0.11	0.01	L	7.1500	0.0007	0.009	91		7.14	7.17		C	15500−0355	I 1	1							S
77543	11.454	0.128	10.860	0.126		0.813	0.015	G	0.85	0.01	H	10.6211	0.0039	0.026	67		10.57	10.67					1 X							G G
77544	10.047	0.028	8.906	0.018	*	0.981	0.026	T	0.96	0.02	L *	8.9816	0.0023	0.018	91	*	8.95	9.01		D	15500+6012	H 1	2 C A	AB	213	0.268	0.016	1.58	0.19	
77545	9.755	0.028	9.278	0.028		0.462	0.031	T	0.53	0.03	L	9.3351	0.0021	0.019	71		9.30	9.36		C			1							
77546	10.435	0.043	9.197	0.025		1.057	0.039	T	1.02	0.03	L	9.2310	0.0019	0.015	73		9.20	9.26		C			1							
77547	8.845	0.013	8.205	0.012		0.588	0.013	T	0.66	0.01	L	8.2605	0.0022	0.016	85		8.24	8.30		C			1							
77548	9.323	0.021	8.767	0.020		0.521	0.026	T	0.59	0.03	L	8.8467	0.0022	0.024	147		8.81	8.89					1							S
77549	9.588	0.019	8.339	0.012		1.065	0.018	T	1.03	0.01	L	8.3840	0.0020	0.017	87		8.36	8.42					1							S
77550	9.626	0.016	8.495	0.011		0.973	0.015	T	0.96	0.01	L	8.5445	0.0011	0.014	105		8.51	8.57		C			1							S
77551	11.247	0.059	9.943	0.030		1.108	0.052	T	1.07	0.05	L	10.0024	0.0036	0.032	122		9.94	10.06					1							
77552	8.986	0.019	8.813	0.023		0.223	0.015	G	0.25	0.02	H	8.7995	0.0016	0.015	70		8.78	8.83		C			1							
77553	11.785	0.076	10.503	0.038		1.091	0.066	T	1.05	0.07	L	10.5983	0.0031	0.043	206		10.46	10.67					1 S							
77554	8.112	0.010	7.646	0.009		0.423	0.015	G	0.49	0.02	H	7.7102	0.0013	0.009	76		7.70	7.72		C			1							S
77555	11.970	0.105	10.194	0.031	A	1.215	0.197	G	1.17	0.19	R *	10.2443	0.0029	0.036	179	*	10.19	10.32			15501+3046	H 1	2 C D	AB	312	1.806	0.068	3.51	0.24	D
77556	11.152	0.062	10.085	0.039		0.915	0.058	T	0.91	0.04	L	10.1429	0.0023	0.024	89		10.10	10.18		C			1							G
77557	10.384	0.029	9.090	0.017		1.100	0.026	T	1.06	0.03	L	9.1464	0.0019	0.019	95		9.11	9.19					1							
77558	10.613	0.038	9.993	0.035		0.574	0.038	T	0.65	0.04	L	10.0191	0.0025	0.021	89		9.98	10.06		C			1							G
77559	9.907	0.024	9.340	0.021	A	0.700	0.495	G	0.62	0.08	L *	9.3082	0.0024	0.019	114	*	9.29	9.34		D	15501+7041	I 1	2 C A	AB	331	1.141	0.013	2.04	0.05	
77560	9.569	0.017	9.023	0.017		0.518	0.018	T	0.59	0.02	L	9.1377	0.0021	0.021	112		9.09	9.17		C			1							
77561	10.527	0.041	9.894	0.039		0.583	0.042	T	0.65	0.04	L	9.9755	0.0023	0.021	86		9.94	10.02		D			1							
77562	5.691	0.003	5.762	0.004		−0.076	0.006	G	−0.06	0.01	H	5.7644	0.0010	0.006	71		5.76	5.78		C	15501−5313	I 1	1							S
77563	10.016	0.025	8.500	0.013		1.274	0.022	T	1.23	0.02	L	8.5273	0.0009	0.013	80		8.51	8.55		C			1							
77564	7.244	0.007	7.209	0.006		0.037	0.009	T	0.05	0.01	L	7.2257	0.0009	0.010	122		7.21	7.24		C			1							S
77565	10.447	0.029	8.925	0.014		1.279	0.025	T	1.24	0.03	L	8.9503	0.0020	0.022	163		8.92	9.00					1							
77566	11.437	0.137	11.159	0.181	B						T	11.6385	0.0946			B				D	15502−5446	I 2	1 C I A							
77567	9.108	0.016	8.976	0.019	A	0.138	0.015	G	0.15	0.01	H	8.9879	0.0093	0.031	87	A	8.95	9.05		D	15502−5446	I 2	1 C P A							
77568	10.897	0.073	10.020	0.054		0.783	0.068	T	0.82	0.05	L	10.1220	0.0038	0.020	59		10.08	10.17		C			1							
77569	9.077	0.016	8.958	0.020		0.163	0.015	G	0.18	0.01	H	8.9917	0.0016	0.014	83		8.96	9.02					1							
77570	7.282	0.005	7.128	0.008		0.148	0.009	T	0.16	0.01	L	7.1611	0.0009	0.010	66		7.15	7.18					1							S
77571	9.110	0.014	8.572	0.013		0.504	0.017	T	0.58	0.02	L	8.6133	0.0022	0.014	88		8.59	8.64					1							
77572	9.463	0.019	8.805	0.017	*	0.602	0.015	G	0.67	0.01	H *	8.8783	0.0017	0.012	86	*	8.86	8.92		D	15502−1134	H 1	2 C B	AB	322	0.266	0.081	2.87	0.52	
77573	8.891	0.011	8.733	0.013		0.152	0.016	T	0.17	0.02	L	8.7800	0.0022	0.019	99		8.75	8.81		C			1							S
77574	6.465	0.005	6.152	0.004		0.299	0.007	T	0.34	0.01	L	6.1883	0.0009	0.009	87		6.17	6.21			15503−4524	I 1	1							S
77575	9.266	0.017	7.846	0.010		1.199	0.015	T	1.16	0.01	L	7.9033	0.0038	0.030	96		7.86	7.94		R			1 S							
77576	10.078	0.052	9.573	0.051		0.485	0.055	T	0.56	0.06	L	9.5382	0.0029	0.022	67		9.51	9.57		C			1							
77577	8.332	0.013	7.025	0.006		1.111	0.011	T	1.07	0.01	L	7.0547	0.0016	0.012	98		7.04	7.08					1							S
77578	6.524	0.004	5.337	0.002		1.019	0.000	G	1.01	0.03	C	5.3813	0.0006	0.005	78		5.37	5.39		C			1							S
77579	10.498	0.044	8.833	0.019		1.392	0.038	T	1.37	0.05	L	8.8543	0.0017	0.016	87		8.83	8.89		D			1							
77580	8.998	0.014	7.706	0.009		1.099	0.013	T	1.06	0.01	L	7.7399	0.0014	0.012	87		7.71	7.76		C			1							S
77581	9.341	0.028	8.699	0.025	A	0.687	0.017	G	0.74	0.01	H *	8.6681	0.0026	0.019	99	*	8.63	8.70			15504−0303	I 1	2 C B	AB	133	1.153	0.055	3.30	0.33	S
77582	10.993	0.067	9.872	0.039		0.965	0.060	T	0.95	0.05	L	9.8383	0.0029	0.030	64		9.78	9.89		C			1 X							
77583	10.072	0.021	8.780	0.013		1.099	0.019	T	1.06	0.02	L	8.8446	0.0014	0.018	130		8.82	8.88		C			1							
77584	9.068	0.016	8.380	0.014		0.623	0.016	T	0.69	0.01	L	8.4157	0.0023	0.018	76		8.38	8.45					1							S
77585	10.735	0.056	9.245	0.026		1.254	0.049	T	1.21	0.05	L	9.2451	0.0023	0.014	71		9.23	9.27					1							
77586	9.626	0.018	9.115	0.017		0.480	0.022	T	0.55	0.02	L	9.1713	0.0022	0.019	127		9.14	9.21		C			1							
77587	11.162	0.052	9.665	0.025		1.260	0.045	T	1.22	0.05	L	9.6369	0.0034	0.025	98		9.58	9.68		C			1							
77588	9.877	0.030	9.307	0.027		0.469	0.020	G	0.54	0.02	H	9.4125	0.0022	0.018	71		9.39	9.44		D			1							
77589	10.140	0.023	8.811	0.013		1.128	0.021	T	1.09	0.02	L	8.8470	0.0018	0.019	148		8.81	8.88					1							S
77590	10.208	0.035	8.237	0.013		1.670	0.031	T	2.11	0.08	O	8.1038	0.0022	0.015	71		8.08	8.13					1							
77591	9.594	0.016	8.461	0.011		0.975	0.015	T	0.96	0.01	L	8.5066	0.0015	0.015	113		8.48	8.54					1							S
77592	9.925	0.022	9.261	0.020		0.615	0.025	T	0.68	0.02	L	9.3292	0.0025	0.023	104		9.29	9.37					1							S
77593	10.533	0.031	8.977	0.015		1.306	0.027	T	1.27	0.03	L	8.9847	0.0019	0.021	150		8.95	9.03		C			1							
77594	10.299	0.039	9.583	0.033		0.658	0.041	T	0.72	0.04	L	9.6304	0.0034	0.027	79		9.58	9.69		D	15505−0215	I 1	1 S							
77595	10.040	0.033	8.738	0.019		1.107	0.030	T	1.07	0.03	L	8.8454	0.0028	0.017	70		8.80	8.87		C			1							
77596	8.887	0.014	7.714	0.009		1.006	0.013	T	0.98	0.01	L	7.7654	0.0019	0.014	81		7.74	7.79					1							S
77597	10.586	0.052	9.502	0.034		0.937	0.047	T	0.93	0.03	L	9.5188	0.0037	0.022	58		9.45	9.55		C			1							
77598	9.427	0.015	8.755	0.014		0.622	0.017	T	0.69	0.01	L	8.7522	0.0281	0.223	136		8.61	9.12	0.38	P 1 A			1							S
77599	11.023	0.058	9.870	0.032		0.983	0.053	T	1.03	0.05	L	9.9828	0.0027	0.025	90		9.94	10.02		D			1 S							G
77600	9.927	0.021	9.002	0.016		0.818	0.020	T	0.84	0.01	L	9.0637	0.0022	0.023	162		9.02	9.10					1							

Number	Descriptor: epoch J1991.25					Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V			α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag			deg	deg		mas	mas/yr		mas		mas	mas/yr		%											
1 2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
77601	15 50 33.68	−20 43 05.0	10.12		G	237.640 351 38	−20.718 043 76		4.00	46.17	−11.45	2.16	1.05	2.22	2.78	1.94	− 2	−43	+ 4	−20	− 6	+ 9	−11	+ 9	+ 4	+ 5	0	0.24
77602	15 50 34.12	+32 13 32.6	8.70		G	237.642 150 58	+32.225 732 22		4.61	−20.38	2.56	0.63	0.69	1.02	0.67	0.77	+16	−10	− 5	−18	− 1	−14	− 2	−19	+ 0	+10	0	0.61
77603	15 50 34.26	−44 33 54.1	8.00		H	237.642 746 90	−44.565 026 22		9.37	0.07	−31.52	0.83	0.62	1.04	0.95	0.84	− 6	−24	− 7	+25	− 4	−16	− 2	+31	−15	−10	0	1.52
77604	15 50 34.27	−40 18 16.1	9.55		H	237.642 803 80	−40.304 478 95		7.49	19.29	−28.89	1.18	0.81	1.35	1.17	1.03	− 4	−30	−20	+16	+ 0	− 5	+ 7	+34	−12	−23	2	1.01
77605	15 50 34.31	+34 25 29.6	9.50	2	H	237.642 958 75	+34.424 889 87		1.15	1.02	10.45	0.82	0.91	1.17	1.03	1.13	+19	−12	− 5	+14	− 7	+ 1	− 7	+ 6	− 5	+ 9	1	1.30
77606	15 50 34.91	−26 17 22.4	6.58		H	237.645 455 03	−26.289 554 30		5.91	−83.78	−28.65	0.85	0.58	0.94	0.87	0.80	−25	−14	− 7	+ 5	−26	+ 3	−28	+34	−25	−19	3	−0.40
77607	15 50 37.84	−17 15 20.0	10.33		H	237.657 655 64	−17.255 562 12		1.31	−0.55	−7.40	2.08	1.11	2.20	2.39	1.94	− 7	−37	− 9	−14	−19	− 3	−17	+27	−27	+ 4	0	1.65
77608	15 50 39.10	+22 28 35.0	9.01	H	H	237.662 932 27	+22.476 390 59	A	6.72	−7.18	14.76	1.77	1.98	2.73	1.88	2.02	+ 1	+ 3	−20	+ 1	−22	+23	−22	+10	− 4	+14	5	1.48
77609	15 50 39.56	−13 23 42.8	9.10		H	237.664 828 55	−13.395 223 11		3.27	−5.02	1.66	1.06	0.58	1.12	1.34	0.89	+ 8	−26	− 8	+21	+10	+31	+17	+22	− 7	+ 9	0	1.26
77610	15 50 39.85	−23 15 29.1	7.46		G	237.666 057 37	−23.258 079 32		19.27	−5.42	−44.25	0.92	0.58	1.24	1.06	0.86	+ 7	−40	−44	+ 4	−18	+40	+19	+38	−44	−41	0	−0.49
77611	H 15 50 40.06	−26 31 46.1	8.29		H	237.666 900 70	−26.529 463 80	*	5.02	−4.68	−6.85	4.93	1.97	1.69	1.70	1.60	−29	+ 7	−28	+22	−46	+ 8	−42	+57	− 8	−37	0	0.61
*77612	15 50 41.09	+66 25 43.8	8.20		H	237.671 220 80	+66.428 833 83		4.78	−8.52	−66.58	0.56	0.61	0.64	0.58	0.67	+14	−14	−12	− 9	− 1	−22	− 2	+17	−14	+14	1	0.43
*77613	15 50 40.89	−86 05 06.4	9.40		H	237.670 361 79	−86.085 117 77		4.08	6.94	2.81	0.62	0.82	0.85	0.70	0.94	+ 9	− 9	+15	− 4	− 4	− 5	− 2	−18	− 4	+17	0	0.14
77614	15 50 41.47	−46 18 48.8	8.52		H	237.672 793 53	−46.313 555 02		5.35	−21.66	−27.72	0.89	0.70	1.16	0.99	0.92	− 5	−24	−37	+12	− 7	+ 6	− 1	+31	− 7	−25	0	0.87
77615	15 50 41.74	+15 08 01.4	9.70	3	H	237.673 896 97	+15.133 727 32		3.58	−2.02	−35.42	1.25	0.98	1.51	1.69	1.38	−11	−25	−15	+13	+ 5	−34	+ 3	−21	−19	−12	0	1.59
77616	15 50 41.95	+13 07 36.4	7.88		H	237.674 783 36	+13.126 786 45		4.23	4.62	5.98	1.05	0.95	1.26	1.59	1.42	−27	−31	−22	+29	−28	−18	−32	+38	+11	−54	0	0.05
77617	15 50 44.28	−24 00 09.7	8.76		H	237.684 501 35	−24.002 686 92		17.60	−45.03	17.04	1.07	0.68	1.47	1.35	1.01	− 8	−18	−37	+10	−11	+46	+17	+25	−32	−41	0	−1.11
77618	H 15 50 45.24	−68 07 55.5	9.38		H	237.688 498 62	−68.132 083 15	A	10.68	36.32	−50.18	2.06	3.33	3.08	1.79	3.00	+52	− 1	+ 1	+ 9	+ 5	−11	+ 4	+16	−12	+62	1	−0.94
77619	15 50 46.63	+48 28 59.0	7.69	3	H	237.694 277 14	+48.483 068 01		3.22	−1.92	−21.56	0.63	0.68	0.75	0.74	0.78	+13	+ 2	−20	−23	−13	− 8	−12	−11	+ 8	−11	1	−1.59
77620	H 15 50 46.66	−68 25 30.1	8.99		H	237.694 430 21	−68.425 027 96	A	−0.75	−5.94	−5.62	2.81	2.40	1.64	0.96	1.48	+ 3	− 6	+ 3	+ 1	− 2	− 1	− 2	+20	− 8	+33	2	0.88
77621	15 50 48.12	−10 43 19.2	9.15		G	237.700 497 12	−10.721 986 71		7.65	73.48	−59.57	1.46	0.79	1.57	1.43	1.18	− 6	−49	− 9	+29	+ 2	+ 5	+ 8	+27	− 5	−22	0	1.25
77622	15 50 48.89	+04 28 39.3	3.71		G	237.703 713 44	+04.477 579 80		46.39	127.98	61.87	0.72	0.51	0.74	0.87	0.68	−21	−26	+ 0	+42	−19	+ 3	−12	+37	−17	− 1	0	−0.55
77623	15 50 49.43	+72 12 40.7	10.10	3	H	237.705 943 47	+72.211 307 15		1.83	3.93	−10.45	1.08	1.15	1.26	1.10	1.21	+11	−28	−46	−18	+ 4	− 9	− 1	−18	+ 4	− 8	0	1.30
77624	15 50 51.70	+37 33 12.3	7.50		H	237.715 417 59	+37.553 421 39		5.72	−13.33	30.75	0.48	0.55	0.67	0.54	0.67	+ 3	+ 2	− 4	+ 1	+ 3	+ 2	+ 5	+10	+ 4	− 9	0	0.86
77625	15 50 53.09	−46 25 00.8	10.24		H	237.721 192 68	−46.416 895 83		2.46	−2.87	−0.40	4.44	3.28	5.66	4.87	3.79	− 4	−21	−32	− 8	+ 3	− 3	+ 4	+ 8	−13	− 8	0	
77626	15 50 53.22	−47 27 37.0	8.40		G	237.721 767 01	−47.460 279 06		3.91	−14.88	−11.95	0.85	0.70	1.11	0.90	0.92	−20	−30	−25	+ 7	−13	− 4	− 3	+34	−19	−45	2	0.68
77627	H 15 50 53.32	+19 10 49.3	8.41		H	237.722 170 70	+19.180 368 77	A	3.66	−12.13	−16.01	2.35	2.14	2.44	2.05	2.46	−23	−38	−28	−23	−31	+35	−14	+26	− 7	−66	3	0.35
77628	15 50 54.37	+14 40 33.9	9.99		H	237.726 533 45	+14.676 089 69	B	1.36	−4.88	11.88	17.70	14.81	9.22	13.97	10.12	+10	− 7	−33	+32	− 2	+28	+13	+ 0	−33	+ 3	18	−0.30
77629	15 50 54.78	+77 15 54.9	8.48		G	237.728 247 27	+77.265 244 73		6.29	2.01	12.44	0.62	0.63	0.67	0.59	0.70	+ 7	−22	−15	+ 2	+ 5	−13	+ 7	+29	− 9	+ 1	0	−0.64
77630	15 50 55.23	+14 40 42.8	9.12		H	237.730 127 09	+14.678 565 74	A	−4.89	−5.47	12.79	4.79	3.89	4.42	7.87	5.34	+17	− 8	−33	+33	− 6	+29	+ 8	+16	−36	+ 4	18	−0.30
77631	H 15 50 56.37	−35 02 51.8	8.36		G	237.734 888 39	−35.047 729 94	A	7.15	79.47	−7.22	2.79	1.78	2.31	1.95	1.70	−56	−15	−11	+10	−27	−17	−23	+40	+ 6	−51	1	−1.01
77632	15 50 57.27	+42 33 55.2	7.39		H	237.738 614 52	+42.565 337 69		8.15	−0.89	29.34	0.47	0.55	0.63	0.57	0.66	− 6	− 6	+12	+ 7	+ 5	+ 8	+ 4	+ 3	− 9	−25	0	0.70
77633	15 50 57.28	−06 19 41.9	8.95		G	237.738 665 90	−06.328 311 16		−4.33	−1.75	6.97	3.28	2.29	3.53	4.57	3.23	−18	−10	−13	+ 3	− 2	+ 2	− 1	+ 6	−11	− 1	0	
77634	15 50 57.54	−33 37 37.6	3.97		H	237.739 757 30	−33.627 104 88		15.86	−5.92	−24.91	0.72	0.47	0.84	0.82	0.64	−33	−35	+ 8	+19	+ 2	+16	+ 9	+28	−23	−17	2	−0.24
77635	15 50 58.75	−25 45 04.4	4.63	1	H	237.744 806 83	−25.751 234 89		6.25	−13.64	−24.91	0.85	0.51	0.91	1.18	0.88	− 6	− 1	− 6	−21	−20	−13	−33	+16	−37	+34	0	1.40
77636	15 50 59.06	+02 53 01.9	8.83		H	237.746 087 56	+02.883 872 15		7.17	−3.17	15.99	1.00	0.83	1.20	1.18	1.04	−24	−27	−26	+28	−20	+16	− 8	+33	−28	−33	0	−0.65
77637	15 50 59.07	+08 25 25.2	9.95		H	237.746 139 33	+08.423 653 42		3.62	−235.03	−159.64	1.52	1.23	1.96	2.20	2.33	−28	−39	+ 9	+28	+ 7	−26	− 7	+ 1	+32	−56	0	0.69
77638	H 15 50 59.25	−68 55 20.9	8.94		H	237.746 877 51	−68.922 477 98	*	1.31	−5.08	−7.08	1.97	2.21	1.36	0.83	1.22	+41	− 5	+22	+12	−10	+13	+27	+ 3	+52	1	−0.09
77639	15 51 03.81	−37 45 39.8	9.04		H	237.765 877 71	−37.761 066 25		2.22	−16.44	−13.84	1.19	0.79	1.49	1.58	1.10	−31	+ 4	−33	−18	+19	−32	+10	+10	− 2	−27	0	0.53
77640	15 51 04.64	+22 19 03.8	7.86		H	237.769 323 40	+22.317 714 20		6.77	−15.53	−39.09	0.58	0.63	1.09	0.83	0.82	+ 9	−23	−23	−19	−38	+43	−40	+14	+30	+ 0	0	−0.81
77641	15 51 05.18	−30 05 10.0	8.19		H	237.771 594 85	−30.086 099 07		21.56	72.18	−137.56	0.97	0.63	1.17	1.10	0.86	−11	−31	−30	− 9	+12	+ 4	+14	−10	+ 3	−31	2	1.09
77642	15 51 05.26	−22 37 35.5	7.69		H	237.771 919 02	−22.626 540 01		10.57	−83.89	−38.27	1.00	0.68	1.23	1.28	0.88	+ 6	−38	−32	+14	− 6	+36	+16	+37	−39	−15	0	−2.13
77643	15 51 05.76	−50 41 15.5	10.71		G	237.773 983 28	−50.687 627 90		20.63	258.65	−69.25	1.82	1.39	2.22	2.33	1.94	+ 6	−13	− 6	+ 7	+16	− 9	+11	+27	− 1	+31	0	−0.19
77644	15 51 06.68	−49 54 47.8	10.51	2	H	237.777 817 55	−49.913 281 91		3.93	−3.03	−11.74	1.85	1.48	2.43	2.04	1.98	− 1	−33	−23	+ 5	− 1	− 9	+ 1	+25	− 1	−23	0	1.93
77645	15 51 06.81	−55 03 19.9	5.74	1	H	237.778 365 47	−55.055 525 32	A	0.89	−2.95	−3.08	0.77	0.74	0.89	0.87	0.85	+ 3	−15	− 5	+15	+11	−11	+ 9	+36	− 1	+ 8	1	1.75
77646	15 51 07.04	−63 33 05.9	9.28		G	237.779 346 18	−63.551 636 42		0.31	−24.26	−16.37	0.77	0.92	1.31	1.06	1.17	− 1	+ 5	−18	+ 0	+27	−10	+25	+15	− 3	− 4	0	−2.06
77647	15 51 07.96	+06 48 14.4	9.59		H	237.783 174 02	+06.804 012 09		4.22	−10.32	−18.89	1.24	1.07	1.47	1.76	2.07	−25	−22	−11	+28	+ 6	−25	− 9	− 8	+21	−60	0	1.10
77648	15 51 08.15	+58 40 40.8	10.12		H	237.783 940 84	+58.678 001 31		2.76	−5.37	−7.49	0.96	1.02	1.13	0.96	1.05	+ 5	+ 4	−22	−17	− 5	− 7	− 4	+ 3	− 2	− 9	1	−0.79
77649	15 51 08.16	−49 55 32.1	9.91		G	237.783 983 09	−49.925 593 50		13.56	−129.39	−151.98	1.41	1.13	1.82	1.62	1.55	− 5	−27	−22	+ 5	− 2	+ 8	+ 0	+25	+ 0	−25	0	1.74
77650	15 51 09.31	−09 54 29.7	9.79		H	237.788 773 61	−09.908 256 36		4.79	−20.90	−55.83	1.39	0.93	1.58	1.41	1.17	− 5	−38	−25	+17	+13	+ 5	+24	+ 5	−21	−17	5	1.43
77651	15 51 09.83	+40 37 33.2	9.07		H	237.790 937 79	+40.625 899 05		2.62	−4.18	20.33	0.79	0.90	0.99	0.92	1.07	+26	+11	− 5	+15	+10	− 3	+12	+42	+ 3	+19	0	0.26
77652	H 15 51 10.09	+52 54 25.2	6.74		H	237.792 025 37	+52.906 998 63	A	7.69	−7.95	−3.07	0.66	0.70	0.67	0.73	0.75	− 3	−23	+14	+ 3	− 1	− 2	+ 1	+27	+ 2	−12	0	0.63
77653	15 51 10.74	+16 08 22.7	8.38		H	237.794 755 72	+16.139 631 35		1.39	−19.51	24.79	0.93	0.81	1.04	1.08	1.04	− 8	−25	−14	+31	+ 7	−11	+ 2	+ 2	− 1	−26	0	−0.55
77654	15 51 11.45	−37 11 44.5	9.11		H	237.797 714 95	−37.195 703 77		8.41	−35.49	−24.28	1.12	0.77	1.34	1.55	1.14	−39	+ 2	−21	−14	+23	−15	+21	+ 5	− 2	−32	0	−0.74
*77655	15 51 13.94	+35 39 29.6	4.79		H	237.808 072 31	+35.658 226 38		32.13	−8.07	−347.41	0.45	0.48	0.61	0.54	0.65	+ 8	− 2	− 2	+ 2	−10	+ 8	−11	+ 3	−10	− 7	3	−0.41
*77656	15 51 13.75	−42 18 51.1	9.58	2	H	237.807 278 44	−42.314 187 07		6.52	−18.04	−30.01	1.13	0.81	1.37	1.20	1.01	− 8	−18	−25	+ 6	−12	− 9	− 9	+35	−16	−24	0	−2.57
77657	15 51 14.49	−31 30 26.8	8.96	2	G	237.810 379 14	−31.507 438 18		1.00	−2.49	0.27	1.10	0.64	1.21	1.10	0.84	− 1	−36	−12	+25	+ 2	− 6	+ 7	+23	−14	− 8	2	−0.76
77658	15 51 14.85	−51 47 19.1	8.91		H	237.811 866 82	−51.788 642 43		0.37	−17.33	−22.68	1.01	0.86	1.28	1.09	1.05	+ 6	−32	−28	+18	+10	−13	+12	+16	−13	+ 9	0	−1.58
77659	15 51 15.57	+50 50 09.9	8.65		H	237.814 885 49	+50.836 081 00		6.07	−9.00	18.19	0.71	0.76	0.82	0.87	0.91	+25	−10	−22	−15	− 6	− 1	− 7	− 8	+ 9	+20	1	−0.65
77660	15 51 15.65	−03 05 25.5	5.09		H	237.815 197 64	−03.090 429 57		20.47	−92.51	−27.56	0.68	0.48	0.82	0.90	0.77	−43	−27	+ 7	− 4	+18	−10	+12	−17	+30	−30	0	−0.51
*77661	15 51 15.94	+20 58 40.4	4.74	1	H	237.816 429 77	+20.977 875 48		8.26	−54.70	17.99	0.53	0.51	0.71	0.66	0.64	+ 5	−10	− 9	−13	−42	+ 7	−47	+28	− 7	+21	3	1.56
*77662	H 15 51 15.93	−48 44 58.5	10.97		H	237.816 386 25	−48.749 591 49	*	0.93	−1.86	−0.25	6.32	3.92	3.07	2.85	2.31	− 3	−13	− 7	− 2	+ 7	−16	+ 3	+ 7	−13	+16	1	0.30
77663	15 51 16.99	−15 45 02.9	11.94	3	H	237.820 800 93	−15.750 800 78		−0.46	0.86	−49.60	2.82	1.66	3.15	3.43	2.66	− 9	− 4	−24	+ 7	+ 0	+10	+ 5	+17	−20	−16	0	1.21
77664	15 51 19.15	−29 41 07.9	9.34		H	237.829 805 96	−29.685 514 46		0.76	−27.50	−33.51	1.42	0.81	1.73	1.35	1.01	− 6	−48	−30	− 7	+21	− 7	+19	−12	+ 3	−33	2	1.17
77665	15 51 19.28	−30 36 05.7	9.90		H	237.830 319 08	−30.601 582 18		7.77	−27.33	−37.37	7.41	4.53	8.09	9.95	4.66	+ 0	−27	−23	−25	+ 9	− 1	+ 3	−49	+22	+16	0	
77666	15 51 20.35	−12 37 19.6	8.74		H	237.834 804 41	−12.622 099 15		4.41	19.36	−13.87	1.16	0.61	1.13	1.43	0.95	+13	−17	− 3	+42	+22	+29	+28	+29	+ 6	+16	0	−0.74
77667	15 51 24.73	+10 32 23.5	8.89		H	237.853 023 33	+10.539 865 93		7.70	−2.90	3.66	1.30	0.91	1.30	1.61	1.31	−18	−26	+ 8	+46	−10	+ 2	−10	+18	−11	−24	0	−2.21
77668	15 51 25.60	+13 59 14.6	10.15		H	237.856 652 70	+13.987 398 16		6.95	4.53	−4.34	1.67	1.69	2.20	2.02	2.34	−19	−37	−30	+20	+ 5	+ 3	+12	+ 3	−29	−50	3	0.91
77669	15 51 26.40	+09 58 24.9	8.61		H	237.859 992 17	+09.973 594 19		8.63	−40.44	6.48	1.07	0.92	1.30	1.47	1.21	−33	−44	+22	+17	−22	−24	−12	+ 9	− 8	−18	0	−0.47
77670	15 51 26.43	+33 09 27.6	9.14		H	237.860 144 75	+33.157 673 75		7.71	−8.10	0.09	0.69	0.78	1.03	0.84	0.98	+12	+ 1	+ 4	+ 3	−13	− 2	−14	− 2	− 9	− 9	2	1.63
77671	H 15 51 26.70	+29 21 24.2	9.44		H	237.861 244 39	+29.356 710 24	A	2.34	−12.67	−14.73	1.29	1.50	2.16	1.22	1.52	+12	− 5	+ 3	+ 2	+11	− 6	+ 7	− 7	+ 0	+ 2	0	−0.10
77672	15 51 26.92	−32 43 46.1	8.90		H	237.862 147 03	−32.729 460 40		6.36	−9.01	−45.84	1.01	0.64	1.17	1.43	0.88	−26	−12	+14	+35	+18	+ 4	+22	+24	−13	+13	1	−2.62
77673	15 51 27.41	−42 18 02.5	8.27		G	237.864 206 45	−42.300 707 82		1.76	−1.54	−2.03	0.87	0.67	1.08	0.90	0.85	−18	−25	−23	+ 8	− 5	+ 3	+ 5	+29	−25	−37	0	0.00
77674	15 51 28.40	+57 08 32.2	7.37		H	237.868 340 06	+57.142 277 33		3.62	0.43	−16.90	0.58	0.57	0.62	0.63	0.66	+21	− 9	−23	−16	−19	+14	−17	− 9	+21	+ 9	0	−0.20
77675	15 51 28.69	−64 10 54.1	7.75		G	237.869 552 71	−64.181 680 74		13.55	53.65	−2.52	0.48	0.61	0.86	0.59	0.80	+ 0	− 8	− 8	+12	+10	− 1	+12	+20	− 9	−14	0	1.17
77676	15 51 29.35	+25 18 15.0	7.49		H	237.872 281 58	+25.304 173 66		4.78	19.57	−13.90	0.54	0.62	0.90	0.64	0.75	−12	−10	−12	+11	−24	+10	−23	+15	+ 9	−23	0	0.66
77677	15 51 29.84	−20 35 14.4	7.70		H	237.874 333 75	−20.587 340 35		4.93	−3.55	−6.11	1.06	0.56	1.15	1.25	0.98	−12	−46	− 3	−19	−10	+11	− 8	+ 8	− 9	−15	2	0.32
77678	15 51 31.52	−47 03 38.6	6.00		G	237.881 316 64	−47.060 719 35		7.43	−113.11	−33.41	0.63	0.54	0.85	0.65	0.71	−15	−37	−37	+12	−17	− 7	−10	+36	−11	−55	4	1.58
77679	15 51 32.12	−32 41 09.9	7.00	1	H	237.883 824 43	−32.686 089 60		7.25	−23.91	6.29	0.73	0.47	0.81	1.00	0.65	−19	− 6	+ 8	+38	+13	+15	+14	+31	− 9	+ 8	1	−0.39
77680	15 51 32.46	+19 17 21.0	8.19		H	237.885 247 10	+19.289 152 90		1.86	−7.05	4.94	0.93	0.87	1.19	0.92	1.00	− 6	−37	−20	−49	−21	+31	−11	+ 1	−14	−22	2	−0.04
77681	15 51 32.92	+39 44 09.4	7.90	1	H	237.887 147 53	+39.735 939 50		1.70	−17.07	1.02	0.63	0.68	0.82	0.75	0.81	+ 0	+ 5	−14	−11	−11	+10	+ 0	+22	− 9	−30	3	0.86
77682	15 51 32.95	+13 54 20.3	7.52		H	237.887 286 07	+13.905 638 31		5.39	−50.02	31.35	0.95	0.85	1.17	1.07	1.18	− 5	−41	−40	+25	−12	− 2	− 8	+26	−13	−51	0	−0.52
77683	15 51 33.10	−30 42 11.3	8.18		H	237.887 905 08	−30.703 127 67		1.93	8.39	−9.39	1.04	0.67	1.20	1.36	0.97	−20	− 5	−10	+ 7	+16	+ 7	+19	− 9	+ 4	−15	2	0.04
77684	15 51 34.05	−48 36 23.0	8.13		H	237.891 894 40	−48.606 397 53		3.19	1.50	−21.98	0.88	0.68	1.09	0.87	0.85	−16	−39	−10	+10	− 5	− 5	− 1	+29	− 2	−31	0	1.97
77685	15 51 35.19	−37 26 14.4	7.18		H	237.896 622 36	−37.437 342 09		4.45	−4.53	32.75	0.80	0.59	0.96	1.09	0.83	−43	+ 3	−20	−11	+24	−23	+21	+ 5	− 2	−37	0	−0.55
77686	15 51 37.74	−14 51 56.3	7.95		H	237.907 240 08	−14.865 633 20		12.61	9.18	−82.64	1.04	0.56	1.16	1.04	0.84	+ 2	−42	−21	+ 5	− 7	+26	+11	+29	−28	−18	0	0.15
77687	15 51 37.93	+63 44 10.4	8.55		H	237.908 052 75	+63.736 222 65		3.09	15.57	−7.64	0.67	0.66	0.70	0.76	0.77	+14	−15	−18	−12	+ 9	+ 4	+ 8	+12	− 4	+25	1	1.04
77688	15 51 38.08	−18 56 21.7	7.30		H	237.908 683 78	−18.939 365 10		6.65	−17.48	−39.14	1.05	0.61	1.07	1.11	0.93	−16	−36	− 7	+34	−22	+17	−16	+52	− 9	−31	0	0.73
77689	15 51 38.41	−14 08 00.8	6.20		G	237.910 036 58	−14.133 567 21		4.71	−20.28	−7.01	0.79	0.47	0.84	0.89	0.67	− 1	−31	+ 2	+15	+ 6	+23	+11	+21	−13	− 4	0	2.41
77690	H 15 51 40.53	−71 09 34.7	8.70		H	237.918 863 06	−71.159 628 85	*	1.57	−8.70	−8.55	0.59	0.75	0.97	0.65	0.87	+11	−12	−12	+15	− 1	−10	− 1	+29	− 9	+ 7	0	0.84
77691	15 51 41.18	−38 09 29.3	9.01	2	H	237.921 601 06	−38.158 149 11		2.13	−2.24	2.42	1.11	0.77	1.46	1.41	0.97	− 9	−22	−41	+ 5	+14	−26	+ 5	+18	+ 2	−22	0	0.02
77692	15 51 41.67	+71 20 56.9	7.76	1	H	237.923 626 42	+71.349 136 35		0.45	−1.21	−6.55	0.61	0.60	0.64	0.73	0.73	+14	−19	−30	−30	−17	+11	− 7	− 3	−11	−18	3	−0.13
77693	15 51 44.65	+03 59 34.6	9.34		H	237.936 053 04	+03.992 934 76		7.71	−0.69	−41.83	1.19	0.92	1.44	1.44	1.32	−19	−40	−20	+37	−21	− 6	−21	+31	− 1	−31	0	−0.97
77694	15 51 47.10	−72 07 08.3	8.94		H	237.946 244 20	−72.118 977 82		0.32	−3.13	−7.58	0.64	0.83	1.02	0.65	0.97	+33	−22	−12	+10	+ 8	− 5	+ 5	+27	+ 2	+35	0	0.74
77695	15 51 47.57	+51 35 13.7	8.91		H	237.948 200 91	+51.587 137 99		4.54	0.04	17.02	0.67	0.72	0.80	0.75	0.88	+ 7	− 4	− 3	+ 9	− 4	+ 4	− 4	+ 4	+22	+19	0	0.44
77696	15 51 48.22	+73 19 02.1	8.36		H	237.950 934 21	+73.317 256 06		8.49	−50.46	39.23	0.64	0.69	0.73	0.62	0.79	+16	−30	−37	−16	− 8	+ 4	− 8	−16	+ 0	− 4	0	1.60
77697	15 51 48.33	+30 49 03.7	8.77		H

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″		ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65		66	67	68-70
77601	10.891	0.077	10.199	0.067		0.632	0.020	G	0.70	0.02	H	10.2524	0.0026	0.024	69		10.20	10.29		C			1							G
77602	9.131	0.012	8.723	0.012		0.367	0.015	G	0.43	0.02	H	8.7865	0.0018	0.021	161		8.76	8.82		C			1							S
77603	8.811	0.013	8.064	0.011		0.683	0.013	T	0.74	0.01	L	8.1401	0.0016	0.014	94		8.12	8.16		C			1							
77604	10.062	0.026	9.608	0.027		0.442	0.030	T	0.51	0.03	L	9.6468	0.0029	0.023	96		9.60	9.68		C			1							G
77605	11.575	0.070	9.746	0.023		1.553	0.061	T	2.24	0.55	K	9.5514	0.0056	0.060	149		9.47	9.66		U 2			1							
77606	8.553	0.015	6.742	0.008		1.507	0.013	T	1.54	0.02	L	6.7004	0.0013	0.009	62		6.68	6.72		C			1							S
77607	10.982	0.064	10.551	0.073		0.421	0.079	T	0.49	0.08	L	10.4186	0.0036	0.023	77		10.36	10.45					1							G
77608	9.600	0.022	9.018	0.021	*	0.544	0.027	T	0.62	0.03	L *	9.1321	0.0030	0.027	142	*	9.09	9.19		D	15506+2229	I 1	2 C A	AB	246	9.480	0.004		0.60	0.02	
77609	9.909	0.025	9.171	0.021		0.676	0.015	G	0.74	0.01	H	9.2306	0.0018	0.013	93		9.21	9.26		C			1							
77610	8.004	0.011	7.497	0.012		0.495	0.015	G	0.57	0.02	H	7.5640	0.0013	0.009	72		7.55	7.58					1							S
77611	9.340	0.023	8.416	0.018	*	0.818	0.022	T	0.84	0.02	L *	8.4460	0.0019	0.015	62	*	8.42	8.47		D	15507−2632	H 1	2 C A	AB	212	0.220	0.024		1.95	0.31	
77612	8.507	0.009	8.231	0.010		0.248	0.015	G	0.28	0.02	H	8.2693	0.0016	0.014	127		8.24	8.30					1							S
77613	9.892	0.020	9.438	0.020		0.442	0.022	T	0.51	0.02	L	9.4999	0.0019	0.020	133		9.45	9.54					1							
77614	8.873	0.012	8.552	0.013		0.308	0.019	T	0.35	0.03	L	8.6007	0.0019	0.014	99		8.57	8.63					1							
77615			9.260	0.183		1.500	0.510	G	4.61	0.98	Q	8.8289	0.2288	1.130	56		6.50	10.21	355.50	P 1 B			1 S							G P
77616	9.774	0.027	8.007	0.013		1.472	0.024	T	1.49	0.04	L	8.0025	0.0024	0.022	51		7.97	8.03		R			1							S
77617	9.642	0.023	8.837	0.018		0.712	0.022	T	0.77	0.02	L	8.8983	0.0014	0.014	78		8.88	8.93					1							
77618	10.164	0.017	9.495	0.015	*	0.609	0.017	T	0.68	0.01	L *	9.5043	0.0020	0.026	278	*	9.46	9.55		D	15508−6808	I 1	2 C A	AS	216	0.429	0.005		0.12	0.04	
77619	9.504	0.015	7.852	0.008		1.407	0.014	T	4.34	0.06	O	6.9206	0.0262	0.202	105		6.45	7.15		U 2			1 S							P
77620	8.959	0.009	8.999	0.011	*	−0.034	0.012	T	−0.01	0.01	L *	8.9915	0.0015	0.024	261	*	8.95	9.03		D	15508−6825	I 1	2 C A	AB	299	0.343	0.005		1.02	0.06	
77621	9.840	0.030	9.218	0.027		0.616	0.015	G	0.68	0.01	H	9.2435	0.0022	0.014	67		9.22	9.26		C			1							
77622	3.900	0.003	3.728	0.002		0.147	0.009	G	0.13	0.02	A	3.7548	0.0007	0.004	71		3.75	3.76					1							S
77623	11.194	0.070	10.205	0.046		0.866	0.062	T	0.88	0.05	L	10.2579	0.0068	0.079	87		10.18	10.67		P 1 A			1 S							G
77624	8.978	0.012	7.632	0.007		1.141	0.011	T	1.10	0.01	L	7.6725	0.0012	0.012	135		7.65	7.69		C			1							S
77625	10.917	0.051	10.188	0.044		0.669	0.054	T	0.73	0.04	L	10.3788	0.0030	0.028	95		10.33	10.42		C			1 X							G
77626	9.063	0.015	8.463	0.013		0.594	0.015	G	0.66	0.01	H	8.5181	0.0016	0.015	98		8.49	8.55		C			1							
77627	8.985	0.015	8.581	0.015	*	0.382	0.019	T	0.45	0.02	L *	8.5040	0.0016	0.014	83	*	8.48	8.53		D	15509+1911	I 1	2 C A	AB	162	1.070	0.007		0.65	0.03	
77628	10.743	0.077	10.117	0.074	B	0.582	0.093	T	0.65	0.09	L	10.0330	0.0425			B					15509+1441	I 2	1 C I A							
77629	9.024	0.012	8.506	0.011		0.486	0.015	G	0.56	0.02	H	8.5769	0.0011	0.017	135		8.55	8.62		C			1							S
77630	9.649	0.033	9.146	0.032	A	0.473	0.042	T	0.54	0.04	L	9.2211	0.0239	0.094	43	A	9.15	9.49		D	15509+1441	I 2	1 C P A							
77631	8.928	0.012	8.427	0.012	*	0.480	0.015	G	0.55	0.02	H *	8.4575	0.0017	0.014	100	*	8.44	8.48		D	15509−3503	I 1	2 C A	AB	115	0.513	0.006		0.46	0.03	
77632	7.941	0.007	7.435	0.007		0.486	0.017	G	0.56	0.02	H	7.4978	0.0010	0.011	135		7.48	7.52		C			1							S
77633	10.176	0.039	9.065	0.026		1.024	0.015	G	1.00	0.01	H	9.0147	0.0025	0.020	58		8.98	9.05		D			1 X S							
77634	3.917	0.002	3.954	0.002		−0.045	0.005	G	−0.05	0.02	A	3.9547	0.0004	0.004	93		3.95	3.96					1							S
77635	4.546	0.002	4.630	0.003		−0.072	0.003	T	−0.04	0.02	A	4.6206	0.0008	0.006	71		4.61	4.63		M			1							S
77636	9.393	0.018	8.895	0.018		0.468	0.023	T	0.54	0.02	L	8.9349	0.0022	0.020	78		8.90	8.98					1							
77637	10.673	0.057	10.107	0.054		0.591	0.015	G	0.66	0.01	H	10.0738	0.0034	0.026	50		10.01	10.11					1							
77638	8.955	0.009	8.946	0.011	*	0.009	0.012	T	0.03	0.01	L *	8.9558	0.0018	0.023	251	*	8.92	8.99			15510−6855	I 1	2 C A	AB	85	0.251	0.010		1.48	0.17	
77639	10.887	0.048	9.196	0.020		1.412	0.041	T	1.39	0.05	L	9.1797	0.0021	0.018	95		9.14	9.21		C			1							
77640	8.384	0.008	7.898	0.009		0.457	0.011	T	0.53	0.01	L	7.9606	0.0012	0.014	146		7.93	7.98		C			1							S
77641	9.141	0.016	8.278	0.013		0.757	0.016	T	0.80	0.01	L	8.3289	0.0017	0.014	95		8.31	8.35					1							
77642	8.340	0.013	7.757	0.015		0.546	0.015	T	0.62	0.01	L	7.8117	0.0014	0.008	75		7.80	7.82		C			1 G							S
77643	12.306	0.242	11.121	0.130		1.184	0.011	G	1.35	0.01	A	10.8634	0.0042	0.037	82		10.81	10.93					1							G
77644	11.320	0.079	10.582	0.067		0.506	0.107	G	0.58	0.11	R	10.6192	0.0056	0.045	91		10.55	10.70		U	15511−4955	I 2	1 S							G
77645	5.753	0.003	5.766	0.003	A	0.017	0.027	G	0.11	0.03	C	5.7827	0.0076	0.011	96	A	5.77	5.80	1.47	P 1 A	15511−5503	I 1	2 C B	AB	13	16.747	0.027		3.37	0.16	S
77646	11.029	0.058	9.451	0.024		1.290	0.005	G	1.25	0.01	I	9.4519	0.0023	0.027	157		9.41	9.50					1							
77647	10.309	0.035	9.628	0.030		0.630	0.038	T	0.70	0.03	L	9.7264	0.0038	0.026	64		9.68	9.77		C			1							
77648	11.381	0.069	10.249	0.040		0.974	0.062	T	0.96	0.05	L	10.2880	0.0035	0.030	101		10.23	10.34		C			1							
77649	10.994	0.055	9.933	0.034		0.784	0.015	G	0.83	0.01	H	10.0610	0.0037	0.024	91		10.02	10.11			15511−4955	I 2	1							G
77650	10.424	0.039	9.866	0.038		0.602	0.015	G	0.67	0.01	H	9.9216	0.0022	0.021	90		9.88	9.96		C			1 G							
77651	10.270	0.026	9.192	0.017		0.933	0.024	T	0.93	0.02	L	9.2331	0.0020	0.022	125		9.19	9.27		C			1							
77652	6.863	0.005	6.720	0.005	*	0.138	0.007	T	0.15	0.01	L *	6.7953	0.0010	0.010	117	*	6.78	6.82		D	15512+5254	I 1	2 C A	AB	278	6.393	0.005		2.24	0.03	S
77653	10.277	0.037	8.576	0.017		1.420	0.032	T	1.40	0.05	L	8.5198	0.0023	0.020	77		8.48	8.56					1							
77654	9.591	0.019	9.133	0.019		0.445	0.021	T	0.51	0.02	L	9.2048	0.0017	0.014	95		9.17	9.24					1							
77655	6.091	0.003	4.919	0.002		0.996	0.005	G	0.97	0.03	C	4.9590	0.0004	0.005	129		4.95	4.97			15512+3539	I 1	1							S
77656	10.485	0.039	9.641	0.029		0.742	0.037	T	0.79	0.03	L	9.7176	0.0031	0.034	87		9.67	9.77		U			1							G
77657	8.838	0.012	8.952	0.016		−0.085	0.001	G	−0.07	0.00	H	8.9400	0.0042	0.042	102		8.87	8.99	3.44	P 1 A			1							
77658	10.208	0.031	9.029	0.020		1.011	0.029	T	0.99	0.02	L	9.0771	0.0018	0.017	80		9.05	9.10		D			1							
77659	8.863	0.011	8.675	0.013		0.180	0.016	T	0.20	0.02	L	8.7105	0.0018	0.017	103		8.68	8.73					1							S
77660	5.261	0.002	5.112	0.002		0.135	0.003	T	0.15	0.00	L	5.1392	0.0004	0.004	101		5.13	5.15		C			1							S
77661	6.739	0.005	4.915	0.003		1.534	0.005	G	1.60	0.03	C	4.8612	0.0011	0.009	112		4.85	4.88		M			1							S
77662	12.028	0.204	10.699	0.087	*	0.799	0.006	G	0.83	0.00	H *	11.1246	0.0065	0.041	94	*	11.07	11.21			15513−4845	H 1	2 C B	AB	6	0.202	0.036		0.69	0.74	G
77663											T	12.0208	0.0568	0.344	86		11.29	12.30	0.53	P 1 A			1							D
77664	9.834	0.025	9.394	0.026		0.443	0.020	G	0.51	0.02	H	9.4388	0.0021	0.018	83		9.42	9.47		C			1							
77665	10.767	0.050	9.995	0.040		0.687	0.049	T	0.74	0.04	L	10.0318	0.0025	0.023	82		10.00	10.08					1 X							G G
77666	9.299	0.016	8.779	0.016		0.488	0.020	T	0.56	0.02	L	8.8449	0.0014	0.012	81		8.83	8.87		C			1							S
77667	9.481	0.023	8.943	0.022		0.504	0.029	T	0.58	0.03	L	9.0048	0.0037	0.019	53		8.96	9.03					1							S
77668	10.930	0.072	10.038	0.053		0.794	0.067	T	0.83	0.05	L	10.2828	0.0032	0.025	49		10.22	10.32		C			1							
77669	9.015	0.019	8.667	0.020		0.403	0.015	G	0.47	0.02	H	8.7072	0.0027	0.016	57		8.68	8.72					1							S
77670	9.633	0.016	9.166	0.016		0.440	0.021	T	0.51	0.02	L	9.2333	0.0020	0.024	170		9.19	9.28					1							S
77671	9.893	0.018	9.549	0.019	A	0.900	0.495	G	0.44	0.05	L *	9.5315	0.0024	0.032	194	*	9.48	9.59			15514+2921	I 1	2 C A	AB	98	4.746	0.030		2.93	0.16	
77672	10.221	0.025	9.018	0.015		1.029	0.023	T	1.00	0.02	L	9.0648	0.0015	0.015	138		9.04	9.09		C			1							
77673	8.326	0.010	8.260	0.012		0.063	0.002	G	0.07	0.00	H	8.2954	0.0012	0.012	87		8.27	8.31		C			1							
77674	9.165	0.013	7.520	0.007		1.376	0.012	T	1.35	0.01	L	7.5210	0.0014	0.013	112		7.50	7.55					1							S
77675	8.285	0.009	7.793	0.009		0.453	0.006	G	0.52	0.01	H	7.8590	0.0011	0.012	154		7.84	7.88		C			1							S
77676	8.883	0.012	7.613	0.008		1.082	0.011	T	1.04	0.01	L	7.6577	0.0013	0.012	130		7.64	7.68					1							S
77677	7.797	0.009	7.711	0.009		0.078	0.012	T	0.09	0.01	L	7.7353	0.0011	0.009	70		7.72	7.75					1							S
77678	7.506	0.007	6.132	0.004		1.152	0.000	G	1.16	0.06	F	6.1617	0.0007	0.007	92		6.15	6.18		C			1							S
77679	8.268	0.008	7.114	0.005		0.991	0.007	T	0.97	0.01	L	7.1664	0.0016	0.014	147		7.15	7.19		M			1							S
77680	10.205	0.029	8.371	0.012		1.526	0.025	T	1.57	0.04	L	8.3145	0.0025	0.016	87		8.28	8.34					1							
77681	9.989	0.021	8.091	0.009		1.576	0.018	T	1.59	0.02	L	8.0193	0.0024	0.023	133		7.98	8.05		U			1							S
77682	9.138	0.018	7.660	0.010		1.245	0.016	T	1.20	0.02	L	7.6810	0.0014	0.010	56		7.66	7.70		C			1							S
77683	9.284	0.017	8.279	0.012		0.893	0.015	G	0.90	0.01	H	8.3427	0.0016	0.014	93		8.32	8.37					1							
77684	9.500	0.017	8.261	0.011		1.057	0.016	T	1.02	0.01	L	8.2994	0.0020	0.016	101		8.27	8.33		C			1							
77685	9.030	0.013	7.336	0.007		1.415	0.012	T	1.40	0.02	L	7.3225	0.0012	0.010	100		7.30	7.34		C			1							S
77686	8.678	0.012	8.023	0.010		0.601	0.003	G	0.67	0.00	H	8.0742	0.0013	0.012	88		8.06	8.11					1 S							S
77687	9.942	0.022	8.669	0.014		1.084	0.020	T	1.05	0.02	L	8.7163	0.0013	0.014	108		8.69	8.74					1							
77688	8.792	0.014	7.419	0.009		1.162	0.013	T	1.12	0.01	L	7.4625	0.0009	0.006	72		7.45	7.48					1							S
77689	7.482	0.008	6.316	0.004		1.010	0.010	G	0.99	0.01	H	6.3682	0.0009	0.008	90		6.35	6.39		C			1							S
77690	8.843	0.009	8.719	0.011	*	0.112	0.013	T	0.13	0.01	L *	8.7426	0.0019	0.020	182	*	8.71	8.78		D	15517−7110	H 1	2 C S A	AB	318	0.164	0.005		0.10	0.27	
77691	10.991	0.057	9.266	0.022		1.467	0.050	T	3.94	0.07	O	8.5136	0.0202	0.123	88		8.30	8.83		U 2			1 S							P
77692	9.923	0.021	7.967	0.009		1.622	0.018	T	1.64	0.02	L	7.8710	0.0021	0.015	100		7.85	7.89		M			1 S							S
77693	10.271	0.040	9.446	0.031		0.743	0.038	T	0.79	0.03	L	9.4871	0.0021	0.019	72		9.46	9.52					1 S							
77694	8.900	0.010	8.932	0.013		−0.027	0.014	T	−0.01	0.01	L	8.9416	0.0017	0.021	166		8.90	8.98					1							
77695	9.318	0.017	8.941	0.018		0.357	0.023	T	0.42	0.03	L	8.9968	0.0017	0.019	108		8.96	9.02		C			1							
77696	9.063	0.014	8.433	0.012		0.586	0.016	T	0.66	0.01	L	8.4881	0.0010	0.012	101		8.47	8.51					1							S
77697	10.603	0.031	8.923	0.013		1.404	0.027	T	1.38	0.03	L	8.9199	0.0018	0.022	178		8.88	8.96					1 S							
77698	10.181	0.034	9.660	0.035		0.498	0.037	T	0.57	0.04	L	9.6825	0.0033	0.022	67		9.65	9.72		C			1							
77699	9.422	0.022	7.891	0.012		1.286	0.020	T	1.25	0.02	L	7.9059	0.0021	0.013	71		7.88	7.93					1							S
77700	10.196	0.039	9.023	0.025		1.006	0.036	T	0.98	0.03	L	9.1176	0.0028	0.019	49		9.10	9.16					1							

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%) δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
77701	15 51 53.96	−51 37 10.1	7.65	H	237.974 820 25	−51.619 473 76	2.23	−11.36	−5.59	0.75	0.60	0.93	0.83	0.75	+ 2	−23	−21	+ 5	+ 5	−12	+ 3	+12	− 9	+13	2	−0.60
77702	15 51 54.23	+77 42 29.9	8.06	H	237.975 960 70	+77.708 292 72	1.13	−8.95	38.64	0.58	0.56	0.61	0.56	0.63	+ 1	−16	−11	−21	+ 0	− 3	+ 2	+19	− 8	− 3	1	1.57
77703	15 51 54.41	+07 14 14.9	9.57	H	237.976 714 02	+07.237 467 09	5.14	−32.07	−87.16	1.21	1.13	1.48	1.88	2.25	−24	−19	−14	+36	+ 1	−22	−19	−10	+21	−60	0	−0.33
77704	15 51 54.79	+14 51 10.7	8.63	H	237.978 293 17	+14.852 985 51	4.33	9.50	−27.12	1.29	0.91	1.24	1.48	1.20	+31	−22	−30	+38	+17	+ 6	+18	+ 9	− 5	+16	0	−0.17
77705	15 51 55.56	−43 50 19.1	10.20	H	237.981 492 14	−43.838 643 28	−3.06	−0.88	12.32	1.41	1.13	1.90	1.88	1.55	−13	− 8	−12	+19	+ 2	+ 4	+ 3	+29	−25	− 5	0	1.09
77706	15 51 56.25	+42 39 05.8	7.83	H	237.984 360 46	+42.651 617 29	4.30	−5.62	13.27	0.56	0.61	0.72	0.67	0.72	+ 4	− 5	+ 6	+ 5	+ 6	+ 8	+ 7	+11	−13	−14	0	0.06
77707	15 51 56.66	−09 28 10.0	8.93	G	237.986 064 75	−09.469 435 70	27.91	−16.40	71.96	1.15	0.69	1.27	1.25	1.01	+ 3	−36	−28	+16	+ 5	− 5	+12	+22	−18	− 9	2	0.43
77708 H	15 51 56.98	−12 32 15.2	7.48	G	237.987 431 12	−12.537 544 36	A 3.62	−8.21	−1.58	2.43	1.58	1.66	2.35	1.34	− 5	− 2	− 5	+40	+20	+21	+32	+23	+ 6	+50	3	0.05
*77709	15 51 58.43	−78 42 42.7	11.28	H	237.993 464 82	−78.711 855 96	B 0.63	−2.02	−18.86	13.72	15.54	7.49	6.67	7.50	− 4	−14	+18	+ 7	−17	−13	−15	+27	+ 6	− 4	0	0.17
*77710	15 51 58.32	−14 38 11.5	9.08	G	237.993 002 19	−14.636 529 28	5.06	10.09	−6.23	1.23	0.67	1.27	1.31	1.01	+10	−32	−19	+19	+ 3	+13	+13	+27	−20	− 3	0	0.12
77711 H	15 51 58.91	−64 55 22.3	8.93	H	237.995 462 71	−64.922 852 31	A 2.39	−14.48	−25.93	1.29	1.43	1.75	1.41	1.60	− 9	−19	+10	− 4	+12	− 8	+14	+11	−14	−11	2	−0.40
77712	15 51 59.47	−78 42 54.8	9.18	H	237.997 784 91	−78.715 233 20	A 2.03	− 6.67	−19.32	1.65	1.83	1.73	1.40	1.73	− 3	−21	+20	+ 5	− 8	−11	−10	+28	+12	+ 1	0	0.17
77713	15 51 59.76	−34 49 41.3	9.15	H	237.999 011 70	−34.828 140 68	7.33	−19.62	−20.87	1.08	0.70	1.36	1.12	0.90	−25	−30	−11	+10	− 8	− 4	− 3	+28	−16	−27	4	−0.29
*77714 H	15 52 00.34	+52 33 54.5	8.80	H	238.001 413 69	+52.565 149 86	A 3.50	6.35	5.58	1.83	2.00	1.91	1.97	1.98	+ 1	− 7	+23	+ 3	− 5	−14	− 4	+21	+26	− 9	3	2.20
*77715	15 51 59.86	+28 38 37.4	8.82	1 H	237.999 419 85	+28.643 725 33	3.51	0.38	10.46	0.56	0.76	1.16	0.52	0.82	+15	−12	+ 4	−14	+17	− 3	+22	+11	−14	+10	0	1.91
*77716	15 51 59.90	+32 56 54.3	10.84	2 G	237.999 564 19	+32.948 422 27	−0.46	−14.24	0.45	0.98	1.13	1.50	1.21	1.35	+ 6	+ 7	+ 2	+10	− 4	−11	− 6	− 1	− 9	− 8	0	1.62
*77717	15 52 00.28	−76 29 36.3	9.74	H	238.001 164 10	−76.493 427 94	1.38	− 4.79	− 6.33	0.83	1.08	1.28	0.88	1.21	+ 1	−22	+21	−23	− 7	−20	− 4	− 3	+ 3	+ 7	0	0.86
77718	15 52 00.59	+15 14 10.4	7.31	H	238.002 451 11	+15.236 235 06	31.80	−59.40	−128.13	0.84	0.68	0.93	0.98	0.92	+ 3	−33	−25	+26	+ 8	− 6	+11	+ 4	−15	−12	0	−2.28
77719	15 52 00.72	−28 12 37.7	10.13	H	238.002 987 96	−28.210 475 55	2.51	−11.69	− 2.77	1.93	1.43	2.36	2.32	2.19	−29	− 1	−27	+16	− 8	−11	− 4	+26	+25	−48	0	0.15
77720	15 52 01.63	−45 30 18.5	7.49	G	238.006 795 40	−45.505 141 98	2.17	−12.05	− 4.34	0.68	0.57	0.86	0.72	0.76	−26	−23	−11	+ 8	−17	− 8	−10	+36	−15	−41	0	0.35
77721	15 52 02.27	+29 52 54.0	7.37	H	238.009 463 22	+29.881 676 59	3.10	−11.27	−0.72	0.46	0.51	0.80	0.47	0.56	+14	− 6	− 3	−12	+ 5	−11	+ 6	− 5	− 4	− 1	0	0.43
77722	15 52 03.12	−70 49 15.9	7.97	H	238.012 983 11	−70.821 092 08	1.46	− 7.64	− 8.81	0.46	0.59	0.79	0.49	0.70	+14	−19	− 5	+ 3	+ 7	− 5	+ 9	+17	− 7	+12	2	−1.07
77723	15 52 03.82	+20 14 53.5	8.93	G	238.015 913 17	+20.248 202 06	11.19	92.65	−59.35	1.02	0.80	1.22	1.16	1.01	+17	−20	−10	+ 8	−20	+12	−20	+18	− 8	+24	0	−0.54
77724	15 52 06.59	−51 08 22.5	7.92	G	238.027 452 74	−51.139 571 51	1.48	− 5.22	− 6.57	1.13	0.82	1.04	1.31	1.02	+50	−28	−15	+49	+39	+ 6	+30	+32	− 8	+36	0	0.83
77725 H	15 52 08.39	+10 52 30.2	9.34	H	238.034 977 34	+10.875 053 20	* 44.27	−267.30	−238.36	1.75	1.13	1.56	2.17	1.76	−16	−15	− 1	+60	−11	+10	−17	+31	− 7	−38	0	0.31
77726	15 52 08.59	+00 16 03.6	9.97	G	238.035 786 11	+00.267 665 19	6.35	−35.58	−79.71	1.90	1.49	1.93	2.68	2.41	−48	−16	−17	+57	−44	+ 0	−45	+58	+ 0	−55	0	0.48
77727	15 52 08.85	−42 35 28.5	8.15	G	238.036 856 24	−42.591 263 07	6.55	−67.39	−12.10	0.92	0.69	1.17	0.90	0.85	−13	−29	−26	+ 6	−10	− 7	+ 0	+36	−26	−35	0	0.87
77728	15 52 12.52	−02 16 42.2	8.55	H	238.052 176 97	−02.278 386 23	11.55	−16.10	−42.56	0.93	0.64	1.14	1.34	1.03	−35	−18	+ 5	+ 5	+ 0	+11	− 4	+ 9	+25	−10	2	−0.72
77729	15 52 12.89	−29 53 10.8	6.39	H	238.053 706 87	−29.886 344 07	12.41	−136.52	−85.51	0.74	0.56	0.93	0.79	0.73	−25	−34	−29	− 4	+13	− 1	+11	− 8	+10	−49	0	−0.94
77730	15 52 13.17	−45 17 03.7	6.55	H	238.054 887 53	−45.284 372 78	3.78	−13.41	4.50	0.62	0.49	0.78	0.69	0.66	− 7	−18	−25	+12	− 4	− 5	+ 1	+33	−18	−22	2	0.61
77731	15 52 14.00	−34 07 17.7	7.64	H	238.058 314 05	−34.121 588 04	13.01	−100.95	−94.61	0.87	0.49	1.01	0.91	0.64	−18	−38	+ 3	+ 1	+ 4	+ 6	+10	+18	−20	− 6	2	2.09
77732	15 52 14.55	+44 12 39.5	9.72	H	238.060 640 49	+44.210 983 94	−0.46	− 3.99	−10.12	0.89	1.02	1.14	1.02	1.12	+ 8	− 2	+ 7	− 6	−12	+ 3	−12	+10	− 5	+ 8	0	−1.21
77733	15 52 14.69	+44 19 16.4	8.87	H	238.061 191 09	+44.321 217 01	2.48	1.09	− 8.83	0.78	0.83	0.96	0.98	0.96	+14	− 4	+ 8	− 9	− 5	+ 1	− 6	− 3	− 8	+26	0	−0.62
77734	15 52 14.70	−07 30 03.2	9.55	G	238.061 239 41	−07.500 893 08	6.35	−33.83	12.46	1.57	1.09	1.54	1.85	1.57	−46	−37	+12	+34	−24	+ 0	−30	+48	+19	−34	3	1.38
77735	15 52 14.75	−32 02 59.4	10.12	G	238.061 460 34	−32.049 834 95	5.66	−44.30	−79.81	1.34	0.85	1.72	1.77	1.29	−29	−17	− 7	+ 2	+ 3	−21	+ 3	+17	−17	−18	0	−0.10
77736	15 52 15.34	−26 19 04.3	9.49	H	238.063 926 51	−26.317 850 58	8.04	−20.34	−34.86	1.22	0.80	1.38	1.30	1.15	−17	−13	−18	+ 3	−19	+14	−18	+31	−21	−19	0	−1.05
77737	15 52 16.48	−10 48 55.7	10.47	H	238.068 664 17	−10.815 467 41	0.44	−15.68	0.81	2.23	1.00	2.48	2.27	1.60	+ 8	−50	− 7	+16	+15	+31	+37	+24	−33	− 1	0	0.85
77738	15 52 16.58	+55 49 35.7	5.81	H	238.069 090 55	+55.826 581 67	9.09	−23.82	54.06	0.46	0.47	0.51	0.51	0.55	+16	−13	−18	−14	+ 2	− 4	− 2	+ 5	+ 7	+26	0	1.30
77739	15 52 17.28	+05 17 44.8	10.53	G	238.072 012 84	+05.295 780 75	2.48	−44.38	−55.22	1.78	1.36	2.31	2.57	2.88	−33	−39	− 1	+29	+ 0	−29	−13	− 3	+31	−52	0	0.20
77740	15 52 17.49	−18 26 10.0	7.25	H	238.072 865 32	−18.436 123 42	29.89	97.12	24.00	1.04	0.59	1.08	1.17	0.91	−10	−48	−10	− 2	−22	+19	−24	+37	− 2	− 4	0	0.54
77741	15 52 19.02	+21 42 37.4	8.49	H	238.079 269 21	+21.710 394 53	5.29	−13.19	9.09	0.68	0.76	1.12	0.78	0.87	+ 7	− 3	−37	−28	−52	+31	−50	+23	−13	+ 8	1	0.89
77742	15 52 20.68	−41 19 34.5	9.15	H	238.086 156 37	−41.326 238 06	5.17	4.72	4.52	1.06	0.83	1.31	1.23	1.02	−18	−29	−14	+18	− 8	+ 6	− 5	+35	− 9	−17	0	0.11
77743	15 52 21.52	+28 36 26.4	7.93	H	238.089 657 55	+28.607 344 97	5.74	− 9.56	21.26	0.43	0.55	0.88	0.40	0.61	+16	−12	+ 5	−16	+13	− 6	+19	+ 6	−16	+11	0	1.52
77744 H	15 52 23.33	−17 13 59.6	9.15	H	238.097 219 75	−17.233 221 58	A 6.74	21.22	13.06	5.13	2.89	3.28	5.69	3.61	+25	−21	−27	+ 9	− 2	+ 3	− 1	+23	−15	+30	10	1.14
77745	15 52 23.85	−43 38 46.0	8.82	H	238.099 386 52	−43.646 109 30	0.08	− 3.66	− 4.59	0.99	0.78	1.28	1.18	1.07	−17	−17	−13	+16	− 5	+ 6	+ 0	+32	−26	−18	0	−0.70
77746	15 52 26.73	−73 36 07.6	8.90	H	238.111 370 27	−73.602 101 37	3.74	−18.24	−34.46	0.72	0.92	1.17	0.93	1.15	+13	+ 2	+ 9	− 2	+ 2	−14	+ 4	+ 9	+16	+ 5	0	0.58
77747	15 52 28.72	−09 24 24.5	10.28	G	238.119 679 40	−09.406 818 45	7.17	−234.55	−84.60	1.69	1.07	1.88	1.76	1.57	− 8	−40	−19	+18	− 1	− 7	+ 5	+27	−13	−22	0	−0.08
77748	15 52 30.87	+28 54 47.9	7.81	H	238.128 630 16	+28.913 300 02	3.69	−13.68	0.01	0.46	0.56	0.87	0.42	0.63	+13	− 7	+ 4	−19	+17	− 6	+22	+ 9	−11	+11	1	1.12
77749	15 52 33.82	−01 54 22.9	7.85	1 H	238.140 901 65	−01.906 354 71	24.07	−114.43	10.04	0.81	0.59	0.99	1.13	0.88	−38	−12	+ 4	+15	+ 1	+19	+ 3	+ 0	+15	−12	0	−0.27
77750	15 52 34.20	−33 21 23.1	9.16	H	238.142 513 32	−33.356 412 55	7.86	−11.64	−68.20	1.12	0.64	1.26	1.34	0.86	−13	−27	+ 4	+21	+14	+ 4	+16	+22	− 6	+ 4	0	−0.16
77751	15 52 34.58	−01 19 48.5	8.58	H	238.144 093 34	−01.330 152 75	0.54	− 1.54	4.59	1.11	0.79	1.28	1.40	1.32	−43	−31	+ 7	+28	−18	+17	−16	+27	− 6	−47	0	−1.92
77752	15 52 35.08	−01 01 52.6	7.97	H	238.146 148 33	−01.031 285 17	3.07	−16.02	−26.03	0.93	0.70	1.08	1.14	1.13	−40	−31	+13	+27	−17	+ 8	−18	+28	+ 5	−42	0	−0.54
77753	15 52 35.23	−55 33 20.6	8.15	H	238.146 790 72	−55.555 715 27	1.60	− 7.76	− 0.63	0.87	0.72	1.15	1.00	0.86	+ 4	− 2	−35	−13	+18	−24	+10	+25	+ 1	+ 9	0	1.07
77754	15 52 35.45	−25 00 54.6	8.02	H	238.147 722 71	−25.015 166 32	1.56	5.32	− 0.44	0.97	0.63	1.28	1.29	0.96	−10	−15	−32	+12	−19	+42	− 1	+38	−41	−25	0	−1.23
77755	15 52 36.03	−67 38 22.4	7.00	H	238.150 130 00	−67.639 565 17	6.46	11.51	−14.81	0.36	0.49	0.73	0.41	0.59	+22	−16	− 2	+ 3	− 9	− 3	−10	+19	− 2	+27	1	1.12
77756 H	15 52 36.60	−00 35 37.4	10.46	G	238.152 509 36	−00.593 717 21	A 3.71	−28.99	−29.74	5.05	3.38	4.42	5.19	4.39	−40	−46	+21	+20	−18	−20	−27	+32	+30	−26	0	−0.87
77757	15 52 36.72	+05 26 59.2	8.84	H	238.153 016 40	+05.449 779 76	4.43	16.58	0.97	1.09	0.90	1.52	1.71	1.80	−17	−26	−28	+27	+16	−34	− 1	−16	+39	−36	0	0.77
77758	15 52 38.45	−53 26 15.0	7.91	2 H	238.160 223 73	−53.437 488 24	1.92	− 5.84	− 5.06	0.81	0.74	1.11	1.08	1.01	+ 0	−29	−17	+26	+ 9	−20	+ 5	+21	+ 3	+ 4	5	2.06
77759	15 52 38.67	+42 13 04.7	8.36	H	238.161 137 33	+42.217 961 24	2.09	1.85	− 9.01	0.67	0.68	0.82	0.73	0.80	+ 6	− 4	+ 7	+ 9	+ 7	+ 1	+ 6	+ 1	− 8	−17	0	−0.26
77760	15 52 40.19	+42 27 00.0	4.60	H	238.167 476 84	+42.449 987 96	+ 63.08	438.97	629.52	0.43	0.44	0.54	0.51	0.58	−13	−23	+ 3	−20	+11	+24	+26	− 1	−32	−39	1	−1.71
77761	15 52 40.48	−79 24 13.7	7.68	H	238.168 658 95	−79.403 815 46	5.25	− 6.19	−14.84	0.47	0.53	0.64	0.47	0.60	− 1	−20	+10	+ 0	− 6	−11	− 7	+12	+ 5	+ 4	0	0.14
77762	15 52 40.80	+46 03 05.4	8.85	H	238.169 985 10	+46.051 488 34	0.95	− 5.28	−11.54	0.70	0.70	0.83	0.76	0.80	+ 3	+ 2	+ 3	+ 7	+18	− 2	+19	+ 3	+17	+ 8	0	0.75
77763	15 52 41.77	+42 35 12.7	8.51	G	238.174 032 88	+42.586 867 02	4.48	− 6.51	23.79	0.58	0.65	0.75	0.74	0.80	− 4	−12	− 1	+12	− 2	− 6	+ 1	+16	−13	−26	0	0.31
77764	15 52 41.84	−61 58 22.3	10.19	G	238.174 334 81	−61.972 856 51	3.77	− 6.39	− 5.29	0.96	1.40	1.76	1.23	1.69	−34	−15	− 2	+10	− 9	−12	− 9	+42	+ 6	−40	0	1.43
77765	15 52 42.67	−54 14 30.3	7.32	1 H	238.177 796 64	−54.241 738 33	2.47	−11.47	− 3.48	0.70	0.69	0.92	0.95	0.95	+ 4	− 7	−23	+33	+ 8	− 3	+ 8	+40	+ 6	− 4	0	0.39
77766	15 52 42.93	−27 05 26.0	8.24	G	238.178 880 73	−27.090 564 15	4.49	−11.38	−26.34	1.26	0.73	1.36	1.25	1.15	− 8	+25	−20	−32	−27	−27	−50	+28	−51	+15	0	0.26
77767	15 52 44.59	+36 42 56.6	9.25	H	238.185 795 46	+36.715 710 94	2.82	− 1.27	4.26	0.65	0.67	0.86	0.75	0.91	+ 7	+ 5	−10	−16	+ 3	+ 3	+ 5	− 3	+ 8	+ 5	0	−1.65
77768	15 52 45.29	−05 41 27.9	9.81	G	238.188 714 71	−05.691 082 69	1.24	−16.73	− 3.06	1.43	0.92	1.44	1.78	1.18	+ 5	−13	−21	+32	+ 8	+19	+15	+13	− 6	+ 5	0	0.42
77769	15 52 45.96	+67 40 01.3	10.18	H	238.191 479 93	+67.667 029 59	3.36	4.83	−32.60	0.87	0.98	0.96	0.91	1.03	+14	− 3	+ 6	− 6	− 3	− 7	− 2	+17	− 1	+13	0	1.74
77770	15 52 51.01	+20 22 52.9	8.88	H	238.212 556 68	+20.381 354 68	5.99	−29.60	−10.46	0.99	0.84	1.25	1.17	1.02	+11	−15	−10	+ 5	−41	+ 9	−40	+ 4	− 3	+19	0	0.62
77771	15 52 51.31	−50 36 56.9	6.63	H	238.213 809 47	−50.615 804 36	0.88	− 4.91	− 7.96	0.70	0.57	0.85	0.97	0.82	+ 5	−11	− 4	+14	+ 3	+ 8	+ 1	+27	− 4	+28	2	1.67
77772	15 52 52.08	−37 23 54.6	7.74	G	238.216 993 67	−37.398 512 11	9.61	5.72	−31.41	0.86	0.61	1.03	1.09	0.84	−38	−10	−15	−13	+23	−26	+23	+ 0	− 5	−40	0	1.70
77773	15 52 52.32	+17 33 26.0	9.13	H	238.218 008 82	+17.557 225 12	2.64	− 4.19	1.94	1.07	1.00	1.36	1.17	1.51	−25	−32	+ 2	−43	−12	+20	−13	− 3	+ 1	−44	0	−1.93
77774	15 52 52.34	+50 25 31.9	8.99	H	238.218 078 66	+50.425 521 79	13.66	−19.19	26.74	0.76	0.80	0.88	1.02	1.00	+18	− 3	−17	+ 8	+ 3	+ 4	+ 3	+ 4	+ 5	+12	0	0.45
77775	15 52 52.93	+15 56 35.2	8.21	H	238.220 561 69	+15.943 115 48	9.13	51.35	38.43	0.98	0.90	1.20	1.25	1.40	+ 1	−42	−25	+37	+18	−35	− 4	− 1	+25	−43	0	−1.71
77776	15 52 53.59	−76 08 56.9	8.00	H	238.223 285 13	−76.149 147 31	3.39	−12.35	− 7.18	0.59	0.70	0.87	0.62	0.84	+12	−35	+ 7	−16	−16	−10	−10	+19	− 3	+ 5	0	0.69
77777	15 52 53.82	−43 15 55.4	8.80	H	238.224 243 49	−43.265 402 02	4.65	12.42	−13.52	0.99	0.79	1.25	1.11	1.08	−20	−24	−24	+12	−22	− 8	−17	+39	−12	−46	0	−0.15
77778 H	15 52 54.75	−49 37 04.7	8.85	H	238.228 142 75	−49.617 982 10	* 3.49	− 4.58	− 6.94	1.64	1.39	1.68	1.41	1.38	− 2	−14	−11	− 1	+ 6	−26	+ 3	+ 6	−13	− 9	1	−0.92
77779	15 52 55.13	−59 03 40.7	7.06	H	238.229 719 54	−59.061 302 11	15.86	−80.10	−106.88	0.64	0.67	0.89	0.76	0.91	+ 2	−22	−24	+41	+ 3	− 3	+10	+55	−34	− 3	0	0.56
77780	15 52 55.16	−45 48 03.0	9.13	H	238.229 834 67	−45.800 844 79	6.60	−25.98	−31.78	1.15	0.78	1.39	1.55	1.10	+ 5	−17	−16	+29	+14	+17	+18	+27	+ 2	+12	0	2.16
77781	15 52 55.96	+01 04 30.4	8.97	H	238.233 158 36	+01.075 099 62	−0.19	11.92	− 6.13	1.16	0.86	1.28	1.52	1.26	− 9	−29	−11	+21	−17	−11	−17	+28	− 6	−12	0	1.86
77782	15 52 56.15	+17 24 11.4	6.29	H	238.233 955 52	+17.403 169 81	6.72	−55.17	− 8.23	0.67	0.65	0.90	0.67	0.86	−32	−41	+ 9	−26	−11	+26	−13	+ 6	− 4	−42	0	−0.63
77783	15 52 56.31	+15 25 50.7	7.46	H	238.234 644 95	+15.430 757 95	9.40	−55.97	−20.55	0.87	0.69	0.94	1.02	0.95	+ 7	−33	−20	+31	+ 9	−13	+ 6	+ 9	− 2	− 7	0	−0.87
77784 H	15 52 56.55	−63 06 37.4	8.86	H	238.235 611 22	−63.110 394 91	A 4.23	0.88	−11.34	1.50	1.68	2.00	1.58	1.73	− 8	− 5	− 5	− 6	+31	−16	+33	+20	− 5	− 1	1	−0.52
77785	15 52 56.68	−65 09 09.1	6.54	H	238.236 164 20	−65.152 517 20	7.89	37.36	8.83	0.46	0.50	0.74	0.53	0.61	− 1	−19	− 9	− 7	+12	−24	+13	+ 1	− 7	− 9	1	0.40
77786	15 53 00.84	−57 35 03.1	8.22	1 H	238.253 512 83	−57.584 207 96	5.77	4.10	− 1.26	0.78	0.66	0.97	0.82	0.84	+ 4	−20	− 5	+13	− 1	−12	+ 0	+23	−10	+ 2	0	0.29
77787	15 53 02.21	+18 34 15.8	9.64	H	238.259 213 14	+18.571 067 80	3.83	−132.20	0.32	1.25	1.22	1.66	1.34	1.76	−18	+ 0	+ 5	−47	−18	+24	−15	+ 2	−37	−45	0	−1.38
77788	15 53 02.44	+23 46 11.2	11.70	H	238.260 149 24	+23.769 787 53	7.03	−192.30	−227.54	1.30	1.75	2.52	1.54	2.20	−19	− 6	+10	+35	−23	+ 4	−24	+35	+ 0	−12	0	−2.13
77789	15 53 02.74	−39 53 37.2	8.31	G	238.261 424 16	−39.893 669 58	4.90	−16.11	−11.22	0.79	0.61	0.93	0.83	0.82	−12	−27	−25	+14	−16	+ 0	−10	+33	− 9	−43	2	0.42
77790	15 53 04.37	+53 52 17.3	8.28	H	238.268 189 40	+53.871 472 04	33.54	114.62	−177.72	0.70	0.69	0.77	0.77	0.81	+ 3	−18	+ 7	+ 9	+15	− 6	+14	+17	+ 5	+25	0	0.08
77791	15 53 04.40	+41 17 43.7	7.84	H	238.268 317 78	+41.295 475 10	3.85	21.32	−105.12	0.62	0.66	0.78	0.72	0.83	+ 9	+ 3	− 3	+ 5	+12	−10	+15	+22	− 2	− 1	0	−0.67
77792	15 53 05.95	−01 07 44.0	9.28	H	238.274 793 65	−01.128 897 06	8.38	−42.90	−13.05	1.34	0.96	1.52	1.66	1.57	−44	−29	+ 6	+37	−27	+10	−28	+37	+ 6	−47	0	0.52
77793 H	15 53 07.20	−16 33 58.1	10.21	G	238.279 986 90	−16.566 131 22	A 3.43	7.28	−14.91	4.02	1.80	2.73	3.19	2.44	−31	−17	−18	− 5	−14	+ 5	− 3	+21	−24	−20	1	−0.39
77794	15 53 07.86	−46 13 18.0	9.10	H	238.282 759 93	−46.221 670 65	11.47	−25.56	−47.03	1.10	0.82	1.45	1.33	1.06	− 5	−27	−23	+12	+ 2	+ 9	+ 4	+28	− 4	+ 2	0	2.18
77795	15 53 08.12	−59 03 36.1	8.82	H	238.283 821 29	−59.060 018 29	2.74	− 6.73	− 6.69	0.89	1.09	1.33	1.10	1.39	+ 5	−11	−27	+36	+11	−16	+ 9	+55	−23	+ 7	0	−1.08
77796	15 53 08.46	+27 48 52.1	8.35	H	238.285 268 93	+27.814 470 55	3.34	− 1.89	−10.07	0.48	0.58	0.95	0.51	0.65	+18	−10	− 3	+18	+ 1	−11	− 3	− 6	−17	− 2	1	0.64
77797	15 53 08.49	+46 02 24.0	7.25	H	238.285 375 12	+46.039 991 45	3.98	− 5.15	25.11	0.51	0.55	0.62	0.56	0.64	+ 2	− 3	−10	− 2	+17	−10	+17	+ 0	+ 9	+ 6	0	1.38
77798	15 53 09.79	+06 05 26.0	11.98	2 H	238.290 789 62	+06.090 566 15	−2.77	− 2.45	− 7.25	2.69	2.10	3.40	4.12	4.93	−21	−26

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
77701	7.631	0.007	7.645	0.011		−0.008	0.012	T	0.01	0.01	L	7.6591	0.0012	0.009	80		7.64	7.68		C			1							S
77702	9.808	0.021	8.209	0.011		1.340	0.019	T	1.30	0.02	L	8.2102	0.0016	0.014	120		8.19	8.24		C			1							
77703	10.348	0.043	9.714	0.038		0.589	0.050	T	0.66	0.05	L	9.7003	0.0028	0.022	53		9.66	9.74		C			1							
77704	10.199	0.041	8.762	0.022		1.212	0.037	T	1.17	0.04	L	8.7868	0.0026	0.014	53		8.76	8.81		C			1							
77705	10.822	0.049	10.236	0.048		0.547	0.061	T	0.62	0.06	L	10.3162	0.0041	0.033	91		10.27	10.38		C			1							G
77706	9.037	0.015	7.940	0.010		0.947	0.014	T	0.94	0.01	L	7.9940	0.0013	0.013	133		7.97	8.02		C	15519+4239	I 1	1							S
77707	10.027	0.026	9.012	0.019		0.883	0.006	G	0.93	0.01	H	9.0698	0.0018	0.017	86		9.04	9.10		C			1 S							
77708	8.234	0.009	7.553	0.009	*	0.631	0.007	G	0.70	0.01	H *	7.5962	0.0011	0.009	80	*	7.58	7.61		D	15519−1232	I 1	2 C A	AB	70	0.424	0.004	0.49	0.02	S
77709	11.933	0.138	10.804	0.077	B	0.972	0.123	T	0.96	0.10	L	11.2419	0.0497			B				D	15520−7843	I 2	1 C I A							
77710	9.610	0.022	9.100	0.021		0.495	0.015	G	0.57	0.02	H	9.1811	0.0023	0.018	93		9.15	9.21		C			1							
77711	10.801	0.044	9.117	0.018	A						T *	9.0883	0.0023	0.024	134	*	9.04	9.13		C	15520−6455	I 1	2 C C	AB	247	3.920	0.058	3.73	0.30	
77712	9.228	0.017	9.114	0.021	A	0.103	0.025	T	0.12	0.03	L	9.2185	0.0082	0.025	152	A	9.17	9.26		D	15520−7843	I 2	1 C P A							
77713	9.619	0.021	9.156	0.022		0.450	0.024	T	0.52	0.03	L	9.2541	0.0019	0.015	98		9.23	9.29		C			1							
77714	9.133	0.018	8.774	0.019	*	0.340	0.024	T	0.40	0.03	L *	8.8795	0.0019	0.023	120	*	8.85	8.93		D	15520+5234	I 1	2 C A	AB	252	9.472	0.004	0.14	0.02	S
77715	10.888	0.032	9.002	0.011		1.567	0.027	T	1.59	0.03	L	8.9389	0.0023	0.025	244		8.90	8.98		U			1 S							
77716	10.606	0.033	10.796	0.058		−0.162	0.008	G	−0.17	0.01	H	10.7861	0.0039	0.046	165		10.69	10.86		U			1 S							G
77717	10.130	0.025	9.731	0.027		0.390	0.031	T	0.46	0.03	L	9.8274	0.0032	0.032	131		9.78	9.89					1							G
77718	8.051	0.013	7.391	0.009		0.611	0.002	G	0.68	0.00	H	7.4433	0.0012	0.008	58		7.43	7.46		C			1							S
77719	10.697	0.065	10.044	0.055		0.606	0.072	T	0.68	0.06	L	10.2621	0.0034	0.024	51		10.22	10.33		C			1							G
77720	7.424	0.007	7.479	0.008		−0.043	0.015	G	−0.02	0.01	H	7.4869	0.0015	0.012	94		7.47	7.51		C			1							S
77721	9.345	0.013	7.547	0.006		1.497	0.011	T	1.52	0.02	L	7.4910	0.0011	0.013	190		7.47	7.52					1							S
77722	7.930	0.006	7.969	0.007		−0.033	0.008	T	−0.01	0.01	L	7.9652	0.0012	0.016	196		7.94	7.99					1							S
77723	9.654	0.020	9.016	0.018		0.622	0.015	G	0.69	0.01	H	9.0412	0.0022	0.017	97		9.01	9.07		C	15521+2015	I 1	1							
77724	7.946	0.011	7.911	0.012		0.034	0.015	G	0.05	0.01	H	7.9443	0.0016	0.012	87		7.92	7.97		C			1 G							S
77725	11.265	0.089	9.591	0.032	*	1.385	0.012	G	1.69	0.02	A *	9.4495	0.0037	0.023	52	*	9.40	9.48			15521+1052	M 1	2 C S D	AB	297	0.117	0.160	1.46	3.25	D
77726	10.837	0.065	9.925	0.049		0.710	0.020	G	0.76	0.02	H	10.1103	0.0031	0.022	58		10.06	10.15		C			1							
77727	8.790	0.013	8.214	0.012		0.533	0.012	G	0.61	0.01	H	8.2676	0.0018	0.015	83		8.24	8.29		C			1							
77728	9.261	0.015	8.602	0.013		0.602	0.015	T	0.67	0.01	L	8.6746	0.0020	0.015	103		8.64	8.70					1							S
77729	7.658	0.008	6.504	0.005		0.991	0.007	T	0.97	0.01	L	6.5558	0.0010	0.009	89		6.54	6.57			15522−2953	I 1	1							S
77730	7.673	0.007	6.656	0.005		0.887	0.006	T	0.89	0.00	L	6.7091	0.0007	0.008	97		6.70	6.73					1							S
77731	8.281	0.010	7.704	0.010		0.542	0.010	T	0.62	0.01	L	7.7541	0.0012	0.009	96		7.74	7.77		C			1							S
77732	11.395	0.073	9.889	0.030		1.267	0.062	T	1.23	0.06	L	9.8835	0.0035	0.032	105		9.83	9.94					1							
77733	10.954	0.048	9.056	0.018		1.576	0.041	T	1.59	0.04	L	8.9838	0.0021	0.019	104		8.96	9.02		C			1							
77734	10.236	0.038	9.595	0.036		0.661	0.015	G	0.72	0.01	H	9.6812	0.0031	0.019	59		9.65	9.71		C			1							
77735	11.155	0.058	10.265	0.041		0.860	0.014	G	0.87	0.01	H	10.2610	0.0023	0.025	130		10.22	10.32					1							G
77736	10.219	0.038	9.566	0.034		0.597	0.038	T	0.67	0.03	L	9.6150	0.0026	0.021	75		9.58	9.64		C			1							
77737	11.112	0.071	10.403	0.058		1.114	0.009	G	1.20	0.01	I	10.5970	0.0044	0.031	77		10.55	10.65					1							G G
77738	7.040	0.005	5.911	0.004		0.972	0.005	T	0.96	0.00	L	5.9715	0.0006	0.006	109		5.96	5.98		C			1							S
77739	11.427	0.096	10.488	0.073		0.780	0.060	G	0.82	0.04	H	10.6658	0.0053	0.030	62		10.62	10.72		C			1							G
77740	8.017	0.011	7.317	0.008		0.628	0.002	G	0.70	0.00	H	7.3824	0.0013	0.007	62		7.37	7.40					1							S
77741	9.355	0.013	8.552	0.011		0.727	0.013	T	0.78	0.01	L	8.6369	0.0018	0.023	177		8.60	8.68					1							S
77742	9.732	0.020	9.225	0.020		0.487	0.021	T	0.56	0.02	L	9.2580	0.0019	0.020	100		9.22	9.30		C			1							
77743	9.552	0.012	8.063	0.007		1.253	0.011	T	1.21	0.01	L	8.0927	0.0009	0.016	255		8.07	8.12					1							S
77744	9.349	0.031	8.717	0.030	*	0.582	0.032	T	0.65	0.03	L *	9.2716	0.0026	0.022	78	*	9.24	9.31		R	15524−1714	I 1	2 C A	AB	272	2.415	0.007	0.04	0.01	
77745	10.365	0.035	8.961	0.018		1.187	0.031	T	1.15	0.03	L	8.9854	0.0021	0.017	91		8.96	9.01		C			1							
77746	10.578	0.030	9.045	0.014		1.288	0.026	T	1.25	0.03	L	9.0537	0.0019	0.023	150		9.01	9.09		C			1							
77747	11.052	0.059	10.423	0.055		0.654	0.003	G	0.72	0.00	H	10.4293	0.0036	0.028	87		10.38	10.49		C			1							G
77748	9.384	0.012	7.943	0.007		1.216	0.011	T	1.18	0.01	L	7.9736	0.0010	0.014	234		7.95	8.00		C			1							S
77749	8.671	0.013	7.922	0.011		0.670	0.013	T	0.73	0.01	L	7.9826	0.0021	0.018	96		7.96	8.01		U			1							S
77750	9.741	0.026	9.183	0.024		0.527	0.026	T	0.60	0.03	L	9.2806	0.0022	0.020	106		9.25	9.32		C			1							
77751	10.227	0.036	8.704	0.018		1.280	0.032	T	1.24	0.03	L	8.7344	0.0021	0.017	80		8.70	8.77		C			1							
77752	8.202	0.010	7.979	0.014		0.165	0.006	G	0.18	0.01	H	8.0233	0.0019	0.012	72		8.00	8.04		C			1							S
77753	9.998	0.027	8.302	0.013		1.416	0.024	T	1.40	0.04	L	8.2922	0.0018	0.014	84		8.26	8.31		C			1							
77754	10.297	0.050	8.250	0.017		1.733	0.044	T	2.51	0.07	O	8.0384	0.0021	0.017	84		8.01	8.07					1							S
77755	7.280	0.004	7.027	0.004		0.237	0.006	T	0.26	0.01	L	7.0684	0.0008	0.011	245		7.05	7.09					1							S
77756	11.297	0.089	10.699	0.082	*	0.700	0.020	G	0.75	0.02	H *	10.5976	0.0034	0.028	73	*	10.53	10.65		D	15526−0036	H 1	2 C A	AB	75	0.505	0.013	0.89	0.05	G
77757	10.192	0.039	8.928	0.023		1.077	0.035	T	1.04	0.03	L	9.0098	0.0025	0.018	63		8.98	9.04		C			1							
77758	9.420	0.022	8.056	0.013		1.155	0.020	T	1.12	0.02	L	8.0765	0.0046	0.028	68		8.03	8.11		U 2			1							
77759	9.650	0.024	8.492	0.016		0.994	0.022	T	0.97	0.02	L	8.5261	0.0018	0.019	129		8.50	8.57		C			1							S
77760	5.287	0.003	4.672	0.002		0.563	0.014	G	0.63	0.02	G	4.7198	0.0005	0.005	143		4.71	4.73		C			1 O							S D
77761	7.737	0.006	7.688	0.008		0.044	0.009	T	0.06	0.01	L	7.7048	0.0010	0.012	157		7.68	7.72					1							S
77762	10.023	0.022	8.962	0.015		0.920	0.020	T	0.92	0.01	L	9.0076	0.0016	0.017	117		8.97	9.05					1							S
77763	8.767	0.014	8.512	0.015		0.200	0.016	G	0.22	0.02	H	8.5732	0.0014	0.016	138		8.54	8.60		C			1							S
77764	10.301	0.027	10.327	0.045		0.108	0.003	G	0.12	0.00	H	10.2208	0.0033	0.027	142		10.16	10.28					1 S							G
77765	9.505	0.019	7.518	0.008		1.647	0.016	T	1.67	0.02	L	7.4250	0.0019	0.016	89		7.40	7.45		M			1							S
77766	8.492	0.012	8.268	0.013		0.223	0.004	G	0.25	0.01	H	8.3012	0.0017	0.013	66		8.27	8.33					1							S
77767	9.473	0.015	9.245	0.018		0.218	0.022	T	0.24	0.03	L	9.3222	0.0017	0.019	127		9.29	9.35					1							
77768	10.549	0.044	9.891	0.039		0.604	0.015	G	0.67	0.01	H	9.9363	0.0031	0.028	75		9.88	9.98		C			1							
77769	10.818	0.044	10.155	0.038		0.615	0.049	T	0.68	0.04	L	10.3065	0.0024	0.025	116		10.24	10.35					1							
77770	10.282	0.029	9.017	0.017		1.078	0.026	T	1.04	0.02	L	9.0438	0.0022	0.020	96		9.00	9.08					1							
77771	8.604	0.011	6.785	0.005		1.527	0.003	G	1.57	0.01	H	6.7506	0.0013	0.009	92		6.74	6.77		C			1							S
77772	8.520	0.011	7.811	0.010		0.652	0.015	G	0.72	0.01	H	7.8665	0.0013	0.011	102		7.85	7.89		C			1							S
77773	10.490	0.032	9.243	0.019		1.064	0.029	T	1.03	0.02	L	9.2981	0.0030	0.018	91		9.27	9.33		C			1							
77774	9.747	0.019	9.057	0.017		0.637	0.021	T	0.70	0.02	L	9.1149	0.0032	0.024	104		9.08	9.15					1							
77775	9.054	0.017	8.285	0.014		0.677	0.015	G	0.74	0.01	H	8.3498	0.0013	0.012	65		8.33	8.38		C			1							S
77776	9.752	0.019	8.132	0.010		1.356	0.017	T	1.32	0.02	L	8.1519	0.0012	0.018	147		8.13	8.18					1							
77777	9.402	0.019	8.841	0.018		0.525	0.023	T	0.60	0.02	L	8.9161	0.0019	0.016	89		8.89	8.95		C			1							
77778	8.953	0.013	8.870	0.016	*	0.082	0.020	T	0.09	0.02	L *	8.8868	0.0024	0.019	96	*	8.85	8.92		D	15529−4937	I 1	2 C A	AB	342	0.294	0.004	0.21	0.05	
77779	7.681	0.007	7.105	0.006		0.526	0.007	G	0.60	0.01	H	7.1745	0.0011	0.012	102		7.15	7.19		C			1							S
77780	9.790	0.020	9.147	0.019		0.590	0.020	T	0.66	0.02	L	9.2522	0.0025	0.019	94		9.22	9.28		C			1							
77781	10.505	0.043	9.114	0.024		1.176	0.039	T	1.14	0.04	L	9.1333	0.0026	0.017	67		9.11	9.17		C			1							
77782	7.903	0.009	6.433	0.005		1.238	0.008	T	1.20	0.01	L	6.4572	0.0012	0.008	89		6.44	6.47		C			1							S
77783	8.796	0.017	7.584	0.011		1.036	0.016	T	1.01	0.01	L	7.6302	0.0020	0.012	56		7.62	7.65					1							S
77784	9.234	0.018	8.928	0.020	*	0.292	0.029	T	0.33	0.04	L *	8.9391	0.0020	0.024	146	*	8.90	8.97		D	15529−6307	H 1	2 C A	AB	141	0.575	0.016	2.55	0.09	
77785	6.783	0.004	6.562	0.004		0.186	0.005	G	0.20	0.01	H	6.6015	0.0008	0.010	131		6.59	6.62					1							S
77786	9.995	0.026	8.407	0.013		1.331	0.023	T	1.29	0.03	L	8.3739	0.0025	0.025	87		8.33	8.41		U			1 S							
77787	10.331	0.039	9.659	0.034		0.622	0.043	T	0.69	0.04	L	9.7689	0.0018	0.020	84		9.73	9.82					1							
77788											T	11.8370	0.0045	0.053	170		11.75	11.93					1							D
77789	8.575	0.011	8.326	0.012		0.251	0.015	G	0.28	0.02	H	8.3842	0.0015	0.012	108		8.36	8.41		C			1							
77790	9.315	0.015	8.351	0.011		0.835	0.014	T	0.85	0.01	L	8.4177	0.0016	0.015	101		8.39	8.44		C			1							
77791	9.317	0.015	7.971	0.009		1.141	0.014	T	1.10	0.01	L	8.0112	0.0013	0.013	125		7.99	8.04		C			1							S
77792	10.005	0.031	9.381	0.028		0.581	0.036	T	0.65	0.03	L	9.4064	0.0030	0.022	80		9.36	9.44					1							
77793	11.183	0.109	10.155	0.064	*	0.634	0.020	G	0.70	0.02	H *	10.3507	0.0021	0.022	79	*	10.31	10.38		D	15531−1634	H 1	2 C A	AB	282	0.477	0.034	1.96	0.15	G
77794	10.021	0.025	9.200	0.020		0.740	0.024	T	0.79	0.02	L	9.2513	0.0029	0.022	94		9.22	9.29					1							
77795	10.715	0.046	8.951	0.018		1.470	0.039	T	1.48	0.06	L	8.9568	0.0016	0.016	98		8.92	8.99					1 S							
77796	9.745	0.014	8.464	0.009		1.090	0.013	T	1.05	0.01	L	8.5200	0.0012	0.018	223		8.49	8.55		C			1							
77797	8.472	0.010	7.353	0.007		0.956	0.005	G	0.94	0.00	H	7.4152	0.0013	0.009	111		7.39	7.43		C			1							S
77798						0.190	0.210	G	0.21	0.24	R	12.0388	0.0325	0.184	59		11.75	12.22	0.19	P 1 A			1							D P
77799	10.302	0.033	8.935	0.018		1.158	0.029	T	1.12	0.03	L	8.9610	0.0020	0.018	103		8.93	8.99		C			1							
77800	7.790	0.006	7.787	0.009		0.004	0.009	T	0.02	0.01	L	7.8117	0.0016	0.014	133		7.78	7.83					1							S
																												47298	40598	

Number HIP 1 2	Descriptor: epoch J1991.25 RA h m s 3	Dec ±° ′ ″ 4	V mag 5	6 7	Position: epoch J1991.25 α (ICRS) deg 8	δ deg 9	10	Par. π mas 11	Proper Motion $\mu_{\alpha*}$ mas/yr 12	μ_δ 13	Standard Errors α* mas 14	δ 15	π mas 16	$\mu_{\alpha*}$ mas/yr 17	μ_δ 18	Astrometric Correlations (%) 19	20	21	22	23	24	25	26	27	28	Soln F1 % 29	F2 30
77801	15 53 12.19	+13 11 52.8	6.07	H	238.300 781 39	+13.197 990 59		57.27	−150.56	−562.69	0.81	0.63	0.88	1.32	0.98	−21	− 9	−21	+22	−11	+ 2	−11	+13	−11	−32	3	0.60
77802	15 53 12.28	−24 54 25.7	9.83	H	238.301 156 73	−24.907 132 39		1.02	21.74	6.82	1.51	0.91	1.93	2.03	1.49	− 5	−16	−32	+ 8	−10	+34	+ 7	+31	−36	−21	0	−0.80
77803	15 53 14.09	+20 51 55.6	9.42	H	238.308 719 65	+20.865 452 88		4.40	13.03	−58.82	1.20	1.02	1.48	1.30	1.21	+25	−11	−18	+ 0	−44	− 8	−44	+11	−22	+19	2	2.12
77804	15 53 14.39	+12 21 11.2	7.36	G	238.309 963 89	+12.353 114 46		6.12	19.17	5.07	1.05	0.76	1.14	1.49	1.14	−13	−26	−12	+12	−23	−14	−22	+27	− 9	−20	0	−0.70
77805	15 53 15.09	+31 14 15.2	8.11	1 H	238.312 861 52	+31.237 546 16		4.26	−37.01	−55.55	0.54	0.63	0.94	0.64	0.71	+19	− 1	+10	+ 0	+ 3	−20	+ 5	+ 0	+ 3	+ 9	0	0.23
77806	15 53 15.29	+43 23 11.3	9.49	H	238.313 716 00	+43.386 471 32		3.59	16.15	21.20	0.82	0.91	1.05	1.02	1.04	+ 7	− 4	+ 4	+ 7	− 3	+20	+ 1	+32	−18	−14	0	−0.27
77807	15 53 15.94	+57 57 58.7	9.20	H	238.316 416 10	+57.966 306 30		18.82	1.95	−227.75	0.82	0.80	0.90	0.85	0.88	+ 8	− 4	−26	−19	−10	+ 6	− 8	− 8	− 1	− 8	2	2.72
77808	15 53 17.17	−17 58 05.6	8.38	G	238.321 549 75	−17.968 221 88		4.64	−17.15	−14.20	1.06	0.60	1.09	1.45	1.01	+ 0	−20	− 3	−18	−16	− 1	−19	+12	−21	+17	0	0.22
77809	15 53 17.69	−14 42 59.8	7.78	H	238.323 715 71	−14.716 609 17		9.54	2.70	−82.04	1.02	0.53	1.07	0.98	0.78	+ 5	−47	−14	+ 6	− 3	+15	+ 6	+26	−14	− 7	0	0.63
77810	15 53 20.02	+04 15 11.4	8.08	2 H	238.333 420 21	+04.253 174 13		24.68	−21.76	6.40	0.94	0.74	1.35	1.24	1.44	−18	−37	−19	+37	+ 5	−29	−18	+ 3	+51	−49	0	1.54
77811	15 53 20.06	−20 10 01.2	5.04	H	238.333 586 71	−20.166 994 05		9.15	−3.61	−19.00	1.31	1.09	1.04	3.56	2.83	−46	−40	− 3	+58	−39	+ 3	−32	+70	−14	−22	0	0.07
77812	15 53 20.29	−13 31 57.6	9.65	1 G	238.334 543 72	−13.532 671 86		−0.23	−5.76	−6.27	1.27	0.72	1.31	1.55	1.08	+ 5	− 6	−12	+24	+ 8	+21	+14	+22	− 7	+ 4	0	0.39
77813	15 53 20.90	−19 23 53.4	9.25	G	238.337 069 80	−19.398 178 73		11.12	−11.50	−27.05	1.28	0.98	1.37	1.55	1.39	−33	−16	−11	+38	−27	+22	−21	+53	− 4	−46	2	0.88
77814	15 53 21.15	−36 52 36.6	9.91	H	238.338 116 53	−36.876 846 24		6.20	57.72	−148.44	1.34	0.84	1.57	1.88	1.21	−25	−10	− 6	− 3	+19	−16	+17	+ 8	+ 7	−18	0	−0.51
77815	15 53 21.93	−21 58 16.5	8.42	H	238.341 385 45	−21.971 236 16		7.01	−10.05	−24.45	1.08	0.57	1.24	1.35	0.94	−10	−39	+14	+ 9	+15	+32	+13	+26	+ 4	+ 0	2	−0.12
77816	15 53 22.72	−03 01 44.8	7.40	H	238.344 651 93	−03.029 117 15		18.94	−84.95	−18.06	0.83	0.58	0.95	1.06	0.88	−27	−29	− 2	+18	+ 3	−11	+ 1	+ 6	+13	−27	0	−0.23
77817	15 53 22.94	−62 36 23.6	6.22	H	238.345 570 97	−62.606 548 67		5.23	−5.22	−14.10	0.43	0.55	0.73	0.56	0.75	−24	−19	− 9	+16	−12	−17	− 7	+40	+ 3	−46	0	−0.11
77818	15 53 23.00	−61 21 48.6	8.17	H	238.345 851 08	−61.363 497 14		19.70	−69.36	126.09	0.66	0.73	1.01	0.75	0.82	− 7	−23	−18	+39	+19	−32	+10	+26	+17	−16	0	0.83
77819	15 53 23.81	+26 18 21.5	9.49	2 H	238.349 190 96	+26.305 966 34		0.33	−18.95	−5.55	0.85	0.94	1.64	0.94	1.08	+40	−27	−18	+ 2	+ 0	+ 3	− 4	− 9	+12	+25	5	2.61
77820	15 53 26.96	−28 59 07.6	9.05	G	238.362 326 82	−28.985 444 72		8.59	39.60	−21.37	1.31	0.83	1.69	1.30	1.24	−18	−46	−31	− 2	+11	−19	+ 6	+ 3	+13	−58	0	0.50
77821	15 53 28.19	−27 41 25.8	8.63	H	238.367 447 67	−27.690 506 03		−1.09	−7.96	7.01	1.17	0.87	1.41	1.28	1.11	−16	−11	−43	+18	−30	+23	−19	+50	−31	−34	0	−0.38
77822	15 53 28.21	+01 14 30.3	10.63	G	238.367 547 66	+01.241 752 69		2.70	−6.29	8.57	1.70	1.22	1.91	2.18	1.74	−10	−28	+ 2	+20	− 5	−13	+ 3	+15	−28	+ 2	5	−0.75
77823	15 53 28.86	+44 57 30.7	9.24	H	238.370 265 58	+44.958 526 31		2.02	−2.60	5.56	0.79	0.85	0.94	1.06	1.05	+16	+ 7	− 4	−10	+10	+ 3	+ 8	− 6	+12	+39	3	1.22
77824	15 53 29.02	+65 17 17.4	6.73	H	238.370 921 27	+65.288 169 78		4.94	−14.00	34.38	0.48	0.50	0.54	0.48	0.54	+17	−21	−27	− 6	+ 1	−13	− 2	+ 7	− 6	+16	1	−0.37
77825	15 53 29.37	+10 20 41.0	8.45	H	238.372 381 21	+10.344 717 10		5.54	−29.86	8.62	1.10	0.87	1.33	1.66	1.28	−13	−38	−21	+ 8	−29	− 4	−20	+35	−17	−17	0	−1.98
77826	15 53 29.42	−01 56 59.7	8.35	H	238.372 601 09	−01.949 929 11		1.04	−19.85	−23.06	0.93	0.66	1.25	1.32	1.08	−53	−36	+30	+ 0	+ 6	+28	−10	+11	+25	−17	0	0.45
*77827 H	15 53 29.79	+51 26 43.4	8.97	H	238.374 127 57	+51.445 397 44	A	2.48	6.64	−16.07	1.32	1.47	1.41	1.37	1.65	+13	− 6	+ 9	+15	− 1	− 1	+ 4	− 7	+14	+33	0	0.23
*77828	15 53 29.78	+29 28 08.0	8.20	H	238.374 065 18	+29.468 897 84		3.40	−2.47	−59.18	0.54	0.63	0.99	0.56	0.73	+ 8	+ 1	+ 3	− 5	+16	− 5	+19	+ 4	+ 3	− 2	0	−0.37
77829	15 53 30.67	+09 33 57.3	10.00	2 H	238.377 780 81	+09.565 904 81		11.15	−154.36	160.92	1.61	1.45	2.05	2.30	2.10	−17	−29	+ 8	+ 9	−22	−40	−16	+21	−15	− 9	0	−0.91
77830	15 53 31.05	+12 57 40.2	11.10	3 H	238.379 387 42	+12.961 164 55		−0.21	−2.46	−5.99	2.09	1.56	2.48	3.29	2.25	− 8	−16	−34	+14	−11	− 1	−10	+ 1	− 5	−15	0	−0.54
77831	15 53 31.45	+41 19 49.3	10.65	H	238.381 048 95	+41.330 373 10		15.85	−213.00	139.72	1.10	1.22	1.43	1.41	1.57	+11	− 4	−12	− 3	+15	−15	+16	+19	− 1	+ 2	0	0.79
77832 H	15 53 32.51	−47 29 06.0	8.95	H	238.385 455 44	−47.484 987 97	*	6.07	9.42	−18.55	1.76	1.45	1.52	1.37	1.29	+ 5	+ 8	−11	+ 8	+ 5	− 6	+ 8	+14	− 5	−18	2	0.22
77833	15 53 33.18	−07 28 11.1	8.56	H	238.388 235 13	−07.469 745 10		1.07	−6.28	−5.13	1.08	0.76	1.20	1.22	1.00	−34	−30	−13	+26	−16	+17	− 1	+31	−35	−28	3	2.00
77834 H	15 53 34.25	+62 55 59.6	10.51	H	238.392 728 25	+62.933 228 88	*	3.48	−14.40	12.49	1.07	1.16	1.21	1.22	1.29	+ 0	+ 1	−12	−19	− 4	−17	− 7	+12	−14	+ 7	0	3.25
77835	15 53 34.86	+16 04 30.0	6.21	H	238.395 239 24	+16.074 987 79		11.32	21.28	−22.69	0.74	0.64	0.88	0.88	0.93	− 2	−46	−23	+34	+15	−28	− 2	−11	+ 9	−41	0	−1.06
77836	15 53 35.33	+18 43 22.1	8.46	G	238.397 220 82	+18.722 796 37		5.77	−21.07	−44.53	0.97	0.83	1.16	0.93	1.01	− 7	− 7	+15	−57	−19	+12	−19	−12	−35	−16	0	−0.34
77837 H	15 53 36.11	−37 59 28.1	9.03	H	238.400 477 32	−37.991 146 34	A	1.63	−9.08	−16.56	3.50	2.35	3.29	4.10	2.85	−26	− 7	− 8	+ 8	+24	−20	+21	+19	− 3	−23	2	1.82
77838	15 53 36.55	+68 43 12.7	6.76	H	238.402 311 93	+68.720 192 04		21.70	1.86	−32.44	0.44	0.48	0.50	0.47	0.54	+ 4	+ 1	− 1	+ 5	−10	+13	− 9	+12	−19	− 8	1	0.11
77839	15 53 36.58	−39 21 26.1	9.17	H	238.402 401 79	−39.357 236 47		15.13	−68.28	−73.82	0.95	0.82	1.18	1.08	1.07	−28	−19	−29	+ 6	− 9	−15	− 9	+28	+ 6	−52	2	1.13
77840 H	15 53 36.73	−25 19 37.5	4.59	G	238.403 034 98	−25.327 080 18	A	7.52	−14.42	−25.40	1.04	0.65	1.18	1.27	1.19	−15	+10	−32	−25	−22	−11	−40	+43	−43	+ 5	3	0.57
77841	15 53 38.92	+25 47 15.2	9.12	2 H	238.412 170 57	+25.787 559 30		−1.33	1.16	−3.67	0.66	0.71	1.11	0.85	0.97	+24	−15	− 6	−11	−17	+14	−19	−14	+16	+26	2	−1.20
77842	15 53 38.99	−10 33 22.9	9.50	G	238.412 441 93	−10.556 355 33		3.73	−23.46	−8.12	1.52	0.78	1.53	1.81	1.23	+11	−25	−14	+32	+15	+23	+26	+31	− 8	+13	0	−1.25
77843	15 53 39.78	−04 29 18.2	8.74	H	238.415 761 57	−04.488 379 81		12.68	−95.77	−106.65	1.16	0.78	1.36	1.33	1.16	− 8	−28	−29	+24	+ 5	− 2	+ 5	+10	+ 7	−36	0	0.18
77844	15 53 40.00	−32 38 13.7	9.65	H	238.416 662 66	−32.637 136 08		10.59	−76.70	−6.04	1.19	0.75	1.36	1.59	1.08	−13	− 6	−10	+12	+ 5	+ 7	+ 5	+19	− 1	+ 1	2	−1.01
77845	15 53 40.29	−63 10 30.2	8.78	H	238.417 889 21	−63.175 053 07		3.77	6.65	−23.80	0.80	0.85	1.30	0.99	1.11	− 3	−14	− 6	− 3	+32	− 6	+34	+15	−11	− 6	0	2.01
77846	15 53 40.32	+00 17 49.9	8.26	H	238.417 979 38	+00.297 193 92		2.72	−15.96	−22.12	1.05	0.79	1.13	1.33	1.06	−33	−14	+ 6	+34	−14	+ 3	−10	+24	−15	−14	0	−0.13
77847	15 53 40.84	+11 25 50.3	9.05	H	238.420 175 60	+11.430 649 08		5.50	12.82	−48.28	1.48	1.09	1.45	1.71	1.58	−40	−21	−15	+47	−30	+ 7	−26	+33	−17	−53	0	−1.78
77848	15 53 42.93	−44 16 45.3	8.79	H	238.428 862 23	−44.279 243 22		0.23	2.35	9.64	0.98	0.71	1.27	1.14	1.00	+ 2	− 6	−29	+15	+ 6	− 9	+ 6	+33	−41	+ 6	0	0.53
77849	15 53 47.29	+17 36 58.9	8.11	H	238.447 058 43	+17.616 362 47		7.13	−27.27	8.98	0.81	0.81	1.07	0.86	1.11	−32	−17	+ 4	−41	− 6	+18	− 6	−10	−19	−48	0	−1.85
77850	15 53 47.67	+56 32 26.1	9.50	H	238.448 624 30	+56.540 587 09		0.77	−9.73	13.91	0.77	0.84	0.89	0.88	1.06	+16	−26	−13	− 7	+ 2	+ 1	− 3	+10	+13	+25	0	0.08
77851	15 53 48.76	+59 48 22.1	9.95	H	238.453 149 59	+59.806 141 89		14.12	64.36	−202.36	0.97	1.07	1.15	1.07	1.19	− 2	−13	− 6	−17	−24	+ 6	−14	+ 6	−10	−44	3	1.02
77852	15 53 48.85	+64 09 31.8	11.28	2 H	238.453 531 64	+64.158 836 45		29.20	−143.60	179.61	1.77	1.79	1.89	1.88	2.05	+17	−17	−15	−20	− 4	+ 2	− 2	+ 0	− 6	+13	3	−1.59
77853	15 53 49.48	−16 43 46.6	4.13	H	238.456 154 38	−16.729 622 30		20.02	100.12	135.27	0.81	0.49	0.88	1.04	0.76	− 6	−20	− 3	+ 5	− 9	+ 2	− 6	+19	−29	+11	2	1.36
77854	15 53 52.36	−20 18 53.0	8.77	H	238.468 148 98	−20.314 723 09		1.92	−18.79	−2.36	1.30	0.80	1.39	1.80	1.54	−23	−19	−19	+12	−28	+ 4	−29	+47	− 4	−35	0	0.91
77855	15 53 52.74	−78 09 31.2	8.01	H	238.469 753 10	−78.158 679 29		3.25	−13.07	−7.25	0.55	0.60	0.76	0.53	0.69	+11	−28	+11	− 5	+ 4	− 3	+ 4	+ 9	− 3	+20	0	−0.85
77856	15 53 53.30	−56 16 33.2	8.16	H	238.472 094 81	−56.275 891 47		7.36	−26.69	−38.52	0.82	0.84	1.27	1.14	1.04	− 2	−10	−33	+ 7	+15	−32	+ 0	+30	−10	+20	2	0.01
77857	15 53 53.47	−48 36 43.6	9.09	H	238.472 782 62	−48.612 121 43		2.70	−0.63	−10.62	1.14	0.88	1.27	1.45	1.10	− 6	−20	−14	+41	+11	− 6	+10	+47	− 8	+ 1	0	1.21
77858	15 53 53.92	−24 31 59.1	5.38	G	238.474 679 96	−24.533 095 47		7.87	−13.51	−25.42	0.78	0.49	1.05	0.97	0.76	−15	−30	−22	+17	−23	+51	+ 3	+45	−48	−39	0	−0.29
77859	15 53 55.87	−23 58 40.9	5.41	1 G	238.482 800 36	−23.978 035 98		8.30	−12.88	−24.06	0.83	0.50	1.18	1.14	0.78	− 2	−23	−23	+11	−13	+62	+13	+34	−42	−40	0	−0.23
77860	15 53 55.92	+04 26 03.0	8.43	H	238.483 007 10	+04.434 172 50		3.96	2.58	13.60	0.95	0.80	1.25	1.44	1.68	−31	−32	− 9	+30	+ 7	−29	− 6	−10	+27	−55	0	2.87
77861	15 53 56.25	−18 57 03.3	7.57	2 H	238.484 392 39	−18.950 908 23		3.89	−16.94	−2.65	0.92	0.59	1.01	1.04	0.92	−27	−37	− 4	+23	−16	+18	− 9	+39	− 8	−40	0	0.45
77862	15 53 57.15	−51 51 36.9	7.80	H	238.488 135 01	−51.860 239 11		3.03	−17.33	−9.40	0.76	0.61	0.97	0.80	0.74	+13	−31	−28	+14	+10	−18	+ 9	+10	−12	+13	2	−0.49
77863	15 53 57.29	−12 06 36.6	9.58	H	238.488 722 07	−12.110 179 32		0.80	−17.11	−18.05	1.42	0.73	1.56	1.75	1.07	+ 6	−23	− 2	+33	+16	+41	+25	+25	− 6	+ 3	0	0.55
77864	15 53 57.45	−05 43 54.7	10.25	G	238.489 392 24	−05.731 874 97		4.04	0.89	−15.84	1.57	0.94	1.64	2.04	1.40	− 9	−21	− 6	+10	− 3	+ 6	− 1	+13	− 8	− 2	0	1.60
77865	15 53 59.82	−45 13 36.5	10.26	H	238.499 237 23	−45.226 815 28		2.35	−12.55	−4.89	1.55	1.11	1.92	1.98	1.66	− 4	−24	−11	+18	− 3	+ 1	+ 2	+42	−16	−10	5	1.61
77866	15 54 00.04	−75 24 18.7	9.16	H	238.500 175 65	−75.405 207 92		2.45	−2.68	−3.70	0.74	0.96	1.07	0.84	1.13	+26	−20	+ 1	− 2	+15	+ 2	+ 5	+36	+ 7	+47	0	2.70
77867	15 54 00.55	−71 40 37.0	8.10	H	238.502 279 64	−71.676 946 10		3.54	−2.24	−27.55	0.49	0.62	0.81	0.51	0.71	+17	−16	− 4	+ 8	− 5	− 7	− 6	+17	− 4	+15	0	−0.12
77868	15 54 01.80	+18 46 31.0	8.14	H	238.507 491 53	+18.775 287 32		13.76	−144.74	−82.49	0.93	0.77	1.10	0.89	0.91	− 7	−12	+ 9	−58	−19	+13	−17	− 9	−32	−15	4	−1.83
77869	15 54 05.42	+19 24 39.7	8.71	H	238.522 569 67	+19.411 033 44		8.31	−33.81	−24.56	1.05	0.87	1.37	0.98	1.00	+ 9	−33	+ 5	−45	−29	+24	−29	− 2	−10	+ 7	4	−1.07
77870	15 54 05.43	−32 03 57.8	8.75	H	238.522 640 43	−32.066 053 07		6.41	−36.45	−47.47	1.02	0.67	1.26	1.54	0.99	−37	+21	−26	+ 5	+27	−15	+21	+16	− 7	−13	0	1.33
77871	15 54 07.65	−41 02 26.6	9.77	H	238.531 869 71	−41.040 725 53		8.70	−3.07	−14.00	1.15	0.83	1.31	1.58	1.24	−13	−16	− 5	+22	− 4	+ 4	− 4	+34	− 2	− 9	2	0.44
77872	15 54 07.76	−14 58 46.8	10.68	G	238.532 338 61	−14.979 665 33		19.79	187.94	−143.30	1.97	1.12	2.13	2.15	1.74	−11	−35	+ 5	+ 8	+ 7	+12	+15	+15	−18	−13	0	−0.34
77873	15 54 09.41	+13 23 02.0	8.58	H	238.539 193 34	+13.383 876 20		3.54	4.96	−1.26	1.08	0.86	1.23	1.62	1.23	−25	− 2	−19	+25	− 7	+ 9	− 4	+10	−32	−25	0	0.09
77874	15 54 10.25	−15 39 52.4	9.06	H	238.542 687 99	−15.664 545 75		1.76	−19.26	−30.55	1.19	0.65	1.38	1.48	1.10	− 8	−35	− 6	− 1	− 3	+18	+ 9	+18	−35	− 6	0	1.56
77875 H	15 54 10.28	+16 59 28.0	8.15	H	238.542 851 27	+16.991 102 44	A	8.82	12.81	−3.34	2.72	1.84	1.25	1.34	1.22	−20	−16	− 9	+ 0	+ 3	+10	+ 3	− 4	−13	−33	2	−0.15
77876	15 54 10.83	−05 13 18.3	10.28	G	238.545 139 77	−05.221 754 02		7.37	−39.71	11.11	1.71	1.14	1.87	2.09	1.59	−21	−20	−11	+26	+ 4	+20	+11	+ 9	−11	−26	0	−0.58
77877	15 54 12.33	+32 20 33.5	8.31	G	238.551 388 37	+32.342 632 30		5.68	−5.65	17.03	0.54	0.64	0.86	0.61	0.74	+18	+ 1	− 3	−12	−12	− 2	−14	−21	−15	+ 2	2	0.60
77878	15 54 13.75	−11 05 24.6	7.01	H	238.557 299 83	−11.090 158 39		4.93	32.71	− 9.65	0.78	0.50	0.84	0.96	0.72	− 7	−17	−10	+27	+ 4	+25	+11	+24	−11	− 7	0	0.75
77879	15 54 14.56	−53 34 58.5	7.20	G	238.560 673 74	−53.582 907 58		12.76	26.21	−15.35	0.67	0.61	0.83	0.88	0.81	+ 6	−16	−26	+32	+ 9	− 5	+ 8	+33	+ 5	− 1	2	0.29
77880	15 54 15.21	+27 53 47.3	10.42	2 H	238.563 375 17	+27.896 468 15		9.00	4.98	− 4.91	0.88	1.05	1.66	0.97	1.30	+25	− 8	+ 6	+23	+16	+ 0	+17	+12	−19	+18	1	1.96
77881	15 54 15.88	+14 16 27.2	9.70	G	238.566 150 27	+14.274 214 61		29.29	−77.48	−24.17	1.22	1.19	1.57	1.42	1.44	− 6	−34	−40	+21	+ 3	− 3	+ 2	+ 1	− 7	−36	0	0.21
77882	15 54 16.23	−34 24 02.8	9.47	H	238.567 607 45	−34.400 788 15		3.86	− 4.03	−10.24	1.16	0.75	1.42	1.31	0.99	−24	−19	−10	+ 3	− 4	+ 1	− 2	+23	−17	−17	0	1.36
77883	15 54 19.85	−08 34 49.2	8.72	H	238.582 713 15	−08.580 323 37		14.78	−105.03	−23.92	1.28	0.89	1.40	1.41	1.33	−35	−24	−20	+38	−24	− 1	−20	+44	− 4	−48	0	1.10
77884 H	15 54 21.23	−34 03 36.8	9.08	H	238.588 469 43	−34.060 233 54	A	8.86	−61.00	−22.83	3.83	1.70	2.77	3.08	1.67	−21	− 9	− 4	+ 7	+12	− 5	+ 7	+15	+ 3	+21	3	−0.48
*77885	15 54 23.18	+75 45 17.8	8.92	H	238.596 594 45	+75.754 931 88		2.30	−23.87	37.73	0.73	0.73	0.79	0.76	0.94	+16	−20	−20	−15	+ 9	+ 0	+ 6	+20	+ 4	+20	0	−0.54
*77886	15 54 23.08	+38 43 49.6	8.92	G	238.596 173 67	+38.730 455 16		5.86	−32.23	− 1.48	0.76	0.78	0.96	0.93	1.01	+21	− 1	+ 2	+17	+ 6	+14	+ 8	+30	+ 2	+ 8	0	0.64
77887	15 54 24.47	+03 17 25.9	7.69	H	238.601 953 81	+03.290 528 28		3.43	43.58	−83.44	0.93	0.71	0.99	1.15	1.14	−33	−35	+11	+51	−19	− 8	−23	+52	+27	−36	0	0.04
77888	15 54 24.55	−41 10 22.3	7.70	H	238.602 290 98	−41.172 861 05		7.96	− 9.99	17.18	0.83	0.63	0.94	0.93	0.88	−18	−29	−15	+19	−17	+ 0	−10	+43	−10	−36	0	0.90
77889	15 54 24.60	+75 37 56.2	8.27	H	238.602 487 87	+75.632 283 47		4.25	−31.55	25.29	0.57	0.63	0.65	0.62	0.80	+17	−18	−22	−14	+14	− 2	+ 8	+20	+ 8	+29	0	−1.54
77890 H	15 54 24.71	−61 31 05.8	9.61	H	238.602 960 22	−61.518 275 94	A	8.43	−23.42	35.71	2.83	6.17	2.12	1.96	2.31	+15	− 1	− 4	+14	+ 3	−14	− 2	+14	−22	−35	1	−1.69
77891	15 54 24.89	−46 11 54.3	9.97	H	238.603 692 58	−46.198 403 86		4.07	− 2.13	− 9.83	1.33	1.07	1.88	1.57	1.43	− 4	−35	−32	+ 3	− 7	−11	− 9	+27	− 9	−13	0	0.96
77892	15 54 24.97	−69 34 10.9	9.78	H	238.604 054 74	−69.569 701 45		6.62	−41.26	−53.97	0.84	1.18	1.55	1.03	1.51	+30	−14	−16	− 6	+ 9	−13	+ 8	+19	−13	+35	0	1.38
77893	15 54 25.55	+05 17 38.2	6.87	H	238.606 459 13	+05.293 946 29		11.43	46.92	45.09	0.82	0.68	1.02	1.16	1.20	−18	−22	−29	+32	+11	−23	− 1	− 6	+26	+45	0	0.80
77894	15 54 25.75	−14 16 01.3	10.17	G	238.607 301 27	−14.267 032 74		3.62	−31.59	−12.60	1.67	0.88	1.68	1.64	1.33	+12	−40	−17	+11	+ 5	+ 8	+15	+22	−13	− 9	0	0.64
77895	15 54 26.79	−21 33 54.3	9.60	G	238.611 608 61	−21.565 083 18		3.61	−10.59	− 3.12	1.34	0.74	1.52	1.76	1.47	−19	−37	+16	+12	− 5	+ 0	− 8	+37	+24	−29	0	0.15
77896	15 54 27.05	−30 25 31.1	8.17	H	238.612 728 81	−30.425 292 65		13.29	−18.18	−74.57	0.95	0.67	1.09	1.14	1.04	−35	−18	− 5	− 8	+14	− 9	+17	+ 3	+ 7	−39	5	0.80
77897	15 54 27.38	+02 08 33.0	7.63	H	238.614 084 48	+02.142 511 50		2.29	− 1.80	− 6.05	0.84	0.63	0.96	0.91	0.90	−22	−37	−18	+24	−30	+ 8	−21	+40	−18	−40	0	−0.81
77898	15 54 27.93	+09 18 49.9	8.27	H	238.616 370 23	+09.313 861 42		3.82	0.91	11.93	1.08	0.74	1.13	1.37	1.09	−12	−37	− 2	+ 3	−12	− 7	−13	+25	+ 1	− 9	0	0.28
77899	15 54 29.23	−04 16 49.0	11.49	G	238.621 806 46	−04.280 267 11		15.19

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
77801	6.806	0.006	6.155	0.005		0.598	0.005	G	0.71	0.01	G	6.2063	0.0014	0.008	60		6.19	6.23		C	15533+1312	I 1	1							S
77802	10.566	0.060	9.950	0.056		0.574	0.072	T	0.65	0.07	L	9.9538	0.0025	0.022	83		9.92	9.99		C			1							
77803	9.967	0.026	9.476	0.027		0.462	0.034	T	0.53	0.04	L	9.5193	0.0023	0.024	107		9.47	9.55					1							
77804	8.710	0.018	7.472	0.012		1.030	0.020	G	1.00	0.02	H	7.5336	0.0014	0.007	47		7.52	7.55					1							S
77805	9.799	0.015	8.243	0.008		1.306	0.013	T	1.27	0.01	L	8.2710	0.0013	0.014	177		8.24	8.30		M			1							S
77806	10.736	0.040	9.585	0.024		0.989	0.036	T	0.97	0.03	L	9.6546	0.0018	0.023	125		9.61	9.71					1							
77807	10.300	0.034	9.343	0.024		0.842	0.031	T	0.86	0.02	L	9.3605	0.0023	0.026	100		9.32	9.42		R			1							
77808	8.959	0.014	8.439	0.014		0.510	0.015	G	0.58	0.02	H	8.4756	0.0012	0.009	72		8.46	8.50		C			1							S
77809	8.439	0.013	7.847	0.011		0.581	0.001	G	0.65	0.00	H	7.9039	0.0012	0.011	89		7.89	7.93					1							S
77810	8.823	0.017	8.145	0.015		0.627	0.019	T	0.69	0.02	L	8.2140	0.0022	0.020	63		8.18	8.24		U 2			1							S
77811	4.995	0.002	5.026	0.003		−0.014	0.015	G	−0.03	0.03	C	5.0287	0.0008	0.005	71		5.02	5.04					1	G						S P
77812	9.973	0.030	9.741	0.036		0.293	0.020	G	0.33	0.03	H	9.7501	0.0026	0.024	88		9.69	9.79		U			1							
77813	10.173	0.035	9.396	0.029		0.739	0.020	G	0.79	0.02	H	9.4173	0.0041	0.029	86		9.37	9.46					1							
77814	10.662	0.043	9.990	0.038		0.611	0.043	T	0.68	0.04	L	10.0405	0.0025	0.022	107		10.01	10.09					1							G
77815	8.887	0.014	8.445	0.014		0.396	0.015	G	0.46	0.02	H	8.5121	0.0014	0.010	83		8.50	8.54		C			1							
77816	7.935	0.010	7.460	0.011		0.471	0.007	G	0.54	0.01	H	7.5071	0.0012	0.012	87		7.49	7.53		C			1							S
77817	8.126	0.009	6.374	0.003		1.467	0.002	G	1.48	0.00	H	6.3484	0.0010	0.008	126		6.34	6.36					1							S
77818	8.882	0.012	8.256	0.011		0.578	0.012	T	0.65	0.01	L	8.2912	0.0016	0.016	115		8.27	8.32		C			1							
77819	10.780	0.030	9.607	0.017		1.006	0.027	T	0.98	0.02	L	9.6531	0.0042	0.048	221		9.55	9.72		U 2			1	S						
77820	9.578	0.022	9.092	0.022		0.478	0.020	G	0.55	0.02	H	9.1640	0.0021	0.015	66		9.14	9.19		C			1							
77821	10.320	0.037	8.746	0.018		1.320	0.032	T	1.28	0.04	L	8.7801	0.0024	0.017	67		8.76	8.81		C			1							
77822	11.127	0.072	10.681	0.076		0.440	0.020	G	0.51	0.02	H	10.7275	0.0059	0.031	67		10.67	10.78					1							G
77823	9.452	0.016	9.261	0.018		0.175	0.023	T	0.19	0.03	L	9.2984	0.0024	0.019	100		9.26	9.34		C			1	S						
77824	7.903	0.006	6.834	0.005		0.926	0.006	T	0.92	0.00	L	6.8903	0.0008	0.009	116		6.88	6.91		C			1							S
77825	8.896	0.017	8.491	0.018		0.383	0.023	T	0.45	0.03	L	8.5416	0.0019	0.013	61		8.52	8.58					1							S
77826	10.529	0.033	8.542	0.012		1.647	0.028	T	1.67	0.03	L	8.4580	0.0011	0.013	108		8.43	8.48		C			1							
77827	10.251	0.028	9.100	0.018	A	1.200	0.495	G	0.97	0.03	L *	9.1327	0.0022	0.018	102	*	9.10	9.18		D	15535+5127	I 1	2 C	B	AB	340	2.334	0.042	3.24	0.17	
77828	9.583	0.015	8.322	0.009		1.075	0.014	T	1.04	0.01	L	8.3715	0.0014	0.018	191		8.34	8.40					1							
77829	11.051	0.070	10.136	0.049		0.797	0.066	T	0.84	0.07	L	10.1407	0.0036	0.039	62		10.07	10.21		U			1							
77830											T	11.2207	0.0560	0.358	54		10.49	11.53	0.52	P 1 A			1							G
77831	11.874	0.121	10.746	0.070		0.963	0.111	T	1.01	0.10	L	10.7947	0.0034	0.034	123		10.75	10.85		C			1							G
77832	9.477	0.017	9.008	0.017	*	0.442	0.022	T	0.51	0.02	L *	9.0517	0.0017	0.018	96	*	9.02	9.09		D	15535−4729	H 1	2 C	A	AB	283	0.227	0.008	0.29	0.25	
77833	9.913	0.030	8.666	0.018		1.099	0.015	G	1.06	0.02	H	8.7248	0.0018	0.014	73		8.71	8.76		C			1							
77834	11.067	0.049	10.417	0.044	*	0.603	0.057	T	0.67	0.05	L *	10.6352	0.0043	0.033	111	*	10.58	10.72		C	15536+6256	H 1	2 C S	A	AB	337	0.174	0.012	0.24	0.44	G
77835	6.698	0.005	6.260	0.006		0.413	0.007	T	0.48	0.01	L	6.3046	0.0012	0.006	63		6.30	6.32		C	15536+1605	I 1	1							S
77836	8.914	0.014	8.507	0.015		0.402	0.015	G	0.47	0.02	H	8.5478	0.0012	0.013	90		8.52	8.57		C			1							S
77837	9.846	0.024	9.324	0.024	*	0.499	0.026	T	0.57	0.03	L *	9.1420	0.0024	0.020	84	*	9.10	9.17		D	15536−3759	I 1	2 C	A	AB	125	1.103	0.008	0.06	0.02	
77838	7.391	0.007	6.809	0.005		0.544	0.008	T	0.62	0.01	L	6.8755	0.0007	0.008	111		6.86	6.89					1							S
77839	10.077	0.026	9.253	0.021		0.727	0.026	T	0.78	0.02	L	9.3064	0.0026	0.023	108		9.27	9.34		C			1							
77840	4.548	0.006	4.653	0.007	A	−0.073	0.041	G	−0.06	0.02	A *	4.5757	0.0005	0.005	83	*	4.57	4.58		D	15536−2520	I 1	2 C	A	AB	270	2.162	0.007	2.43	0.02	S
77841	11.272	0.043	9.347	0.014		1.598	0.036	T	1.62	0.04	L	9.2332	0.0029	0.036	198		9.18	9.30		U 2			1	S						
77842	9.998	0.030	9.589	0.032		0.438	0.015	G	0.51	0.02	H	9.6001	0.0022	0.018	74		9.56	9.63		C			1							
77843	9.414	0.021	8.785	0.019		0.585	0.025	T	0.66	0.02	L	8.8663	0.0019	0.013	67		8.83	8.89		C			1	S						
77844	10.838	0.045	9.739	0.028		0.940	0.042	T	0.93	0.03	L	9.7990	0.0024	0.025	120		9.75	9.85					1							
77845	10.185	0.036	8.951	0.022		1.054	0.033	T	1.02	0.03	L	8.9441	0.0016	0.018	146		8.91	8.98		C	15537−6311	I 1	1	S						
77846	9.739	0.025	8.362	0.014		1.165	0.022	T	1.13	0.02	L	8.4277	0.0022	0.020	71		8.40	8.47					1							
77847	9.579	0.026	9.131	0.026		0.423	0.034	T	0.49	0.04	L	9.1434	0.0022	0.017	46		9.09	9.17					1							
77848	9.620	0.020	8.885	0.017		0.673	0.021	T	0.73	0.02	L	8.9255	0.0022	0.016	92		8.89	8.96		C			1							
77849	8.470	0.010	8.141	0.011		0.312	0.014	T	0.36	0.02	L	8.1869	0.0014	0.012	97		8.17	8.20		C			1							S
77850	10.707	0.045	9.556	0.026		0.989	0.040	T	0.97	0.03	L	9.6633	0.0025	0.020	110		9.64	9.71					1							
77851	10.910	0.051	10.036	0.038		0.765	0.049	T	0.80	0.05	L	10.0896	0.0028	0.027	89		10.03	10.14		C			1							P
77852											T	11.4167	0.0058	0.059	104		11.21	11.50		U			1							G
77853	5.442	0.003	4.244	0.002		1.003	0.038	G	1.02	0.02	A	4.2934	0.0005	0.005	78		4.29	4.30		C			1							S
77854	10.481	0.100	8.902	0.045		1.324	0.086	T	1.29	0.10	L	8.9245	0.0014	0.011	73		8.91	8.96					1							
77855	8.009	0.008	7.998	0.008		0.011	0.010	T	0.03	0.01	L	8.0168	0.0016	0.014	141		8.00	8.04					1							S
77856	9.608	0.023	8.283	0.014		1.125	0.021	T	1.09	0.02	L	8.3243	0.0019	0.015	72		8.30	8.35		C			1							
77857	9.235	0.015	9.105	0.019		0.130	0.015	G	0.14	0.01	H	9.1366	0.0023	0.023	101		9.11	9.19		C			1							
77858	5.353	0.003	5.374	0.003		−0.011	0.018	G	−0.01	0.03	C	5.3785	0.0006	0.006	85		5.37	5.39		C			1							S
77859	5.349	0.003	5.396	0.003		−0.033	0.041	G	−0.03	0.03	C	5.3940	0.0012	0.012	82		5.38	5.42	0.51	P 1 A			1							S P
77860	9.822	0.029	8.548	0.018		1.085	0.027	T	1.05	0.02	L	8.5922	0.0024	0.014	56		8.56	8.61					1							
77861	9.821	0.025	7.810	0.010		1.703	0.022	T	2.54	0.04	O	7.5877	0.0046	0.034	81		7.52	7.63		U 2			1	S						S P
77862	7.914	0.008	7.815	0.010		0.089	0.012	T	0.10	0.01	L	7.8323	0.0012	0.011	88		7.81	7.85					1							S
77863	11.252	0.074	9.739	0.033		1.272	0.064	T	1.23	0.07	L	9.7428	0.0024	0.016	80		9.71	9.76		C			1							
77864	10.741	0.056	10.236	0.055		0.384	0.020	G	0.45	0.02	H	10.3486	0.0040	0.022	67		10.32	10.39					1							G
77865	10.800	0.048	10.310	0.052		0.461	0.064	T	0.53	0.07	L	10.3653	0.0034	0.027	85		10.32	10.41		C			1							G
77866	10.371	0.027	9.270	0.018		0.950	0.025	T	0.94	0.02	L	9.3252	0.0024	0.024	146		9.29	9.36					1							
77867	8.309	0.007	8.122	0.008		0.172	0.010	T	0.19	0.01	L	8.1592	0.0017	0.015	183		8.14	8.19					1							S
77868	8.760	0.013	8.218	0.012		0.508	0.016	T	0.58	0.02	L	8.2479	0.0015	0.014	90		8.23	8.27		C			1							S
77869	9.380	0.017	8.771	0.015		0.567	0.020	T	0.64	0.02	L	8.8349	0.0023	0.018	92		8.80	8.87		C			1							S
77870	9.517	0.016	8.816	0.014		0.633	0.016	T	0.70	0.01	L	8.8853	0.0019	0.017	137		8.86	8.92					1							
77871	10.756	0.041	9.837	0.031		0.800	0.040	T	0.83	0.03	L	9.9081	0.0023	0.019	97		9.88	9.94		C			1							G
77872	12.314	0.208	10.770	0.084		1.022	0.005	G	1.07	0.01	I	10.8085	0.0043	0.029	98		10.75	10.87					1	S						G
77873	10.320	0.039	8.714	0.018		1.345	0.034	T	1.31	0.04	L	8.7304	0.0024	0.015	64		8.70	8.75					1							
77874	10.632	0.044	9.194	0.022		1.213	0.039	T	1.17	0.04	L	9.2190	0.0022	0.019	90		9.18	9.26		C			1							
77875	8.649	0.013	8.207	0.013	*	0.417	0.017	T	0.48	0.02	L *	8.2448	0.0019	0.013	70	*	8.22	8.27		D	15542+1659	I 1	2 C	A	AS	92	0.323	0.004	0.37	0.04	S
77876	11.573	0.115	10.515	0.070		0.939	0.015	G	0.99	0.02	I	10.4578	0.0022	0.024	66		10.41	10.50		D			1							G
77877	8.548	0.009	8.335	0.010		0.218	0.015	G	0.24	0.02	H	8.3802	0.0016	0.019	151		8.35	8.42					1							S
77878	8.620	0.011	7.147	0.006		1.241	0.010	T	1.20	0.01	L	7.1739	0.0010	0.008	86		7.16	7.19		C			1							S
77879	7.662	0.007	7.272	0.007		0.409	0.001	G	0.48	0.00	H	7.3060	0.0009	0.009	79		7.29	7.32		C			1							S
77880	11.229	0.040	10.470	0.034		0.692	0.041	T	0.75	0.03	L	10.5592	0.0035	0.041	218		10.49	10.62		U			1							
77881	11.113	0.068	9.825	0.034		1.070	0.015	G	1.13	0.02	I	9.8119	0.0027	0.024	78		9.78	9.86		C			1							
77882	11.467	0.088	9.626	0.027		1.531	0.073	T	1.58	0.16	L	9.6005	0.0026	0.022	98		9.56	9.63					1	S						G
77883	9.547	0.023	8.814	0.020		0.672	0.024	T	0.73	0.02	L	8.8600	0.0026	0.018	68		8.84	8.89					1							S
77884	9.733	0.024	9.199	0.024	*	0.509	0.025	T	0.58	0.03	L *	9.1912	0.0021	0.018	95	*	9.16	9.22		D	15544−3404	I 1	2 C	A	AB	274	0.470	0.005	0.12	0.04	
77885	9.084	0.013	8.914	0.015		0.163	0.019	T	0.18	0.02	L	8.9724	0.0016	0.017	111		8.94	9.00					1							S
77886	10.058	0.022	9.051	0.015		0.890	0.015	G	0.90	0.01	H	9.0852	0.0023	0.020	131		9.06	9.13					1							
77887	9.351	0.022	7.824	0.012		1.283	0.020	T	1.24	0.02	L	7.8477	0.0015	0.013	71		7.82	7.88		C			1							S
77888	9.143	0.013	7.824	0.008		1.120	0.012	T	1.08	0.01	L	7.8730	0.0016	0.014	104		7.85	7.90					1							
77889	8.580	0.010	8.299	0.011		0.256	0.003	G	0.29	0.00	H	8.3389	0.0021	0.016	119		8.31	8.37					1							S
77890	10.469	0.033	9.767	0.028	*	0.634	0.032	T	0.70	0.03	L *	9.7468	0.0029	0.025	132	*	9.70	9.80		D	15544−6131	H 1	2 C	A	AB	12	0.330	0.008	0.26	0.10	G
77891	10.795	0.052	10.079	0.042		0.658	0.054	T	0.72	0.05	L	10.1041	0.0028	0.028	95		10.05	10.17					1							G
77892	10.661	0.026	9.833	0.019		0.730	0.025	T	0.78	0.02	L	9.9207	0.0029	0.036	232		9.86	9.98					1							G
77893	8.206	0.009	6.988	0.007		1.041	0.009	T	1.01	0.01	L	7.0347	0.0019	0.012	67		7.01	7.05					1							S
77894	10.705	0.047	10.220	0.048		0.549	0.015	G	0.62	0.01	H	10.2947	0.0027	0.027	90		10.25	10.33		C			1							G
77895	10.301	0.035	9.660	0.031		0.596	0.020	G	0.67	0.02	H	9.7001	0.0016	0.016	82		9.67	9.73		C			1							
77896	8.739	0.015	8.217	0.014		0.501	0.015	G	0.57	0.02	H	8.2836	0.0015	0.012	81		8.26	8.30		C			1							S
77897	9.647	0.025	7.809	0.011		1.529	0.022	T	1.57	0.05	L	7.7516	0.0021	0.014	63		7.73	7.77					1							S
77898	9.728	0.024	8.404	0.014		1.124	0.022	T	1.09	0.02	L	8.4423	0.0022	0.013	70		8.42	8.46					1							
77899						0.940	0.009	G	0.99	0.01	I	11.5802	0.0080	0.060	59		11.45	11.66					1	S						G
77900	6.054	0.004	6.135	0.005		−0.069	0.006	T	−0.05	0.01	L	6.1313	0.0008	0.006	79		6.12	6.15		C			1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1 %	F2
1 2	h m s 3	±° ′ ″ 4	mag 5 6 7		deg 8	deg 9 10	mas 11	mas/yr 12	mas/yr 13	mas 14	mas 15	mas 16	mas/yr 17	mas/yr 18	19	20	21	22	23	24	25	26	27	28	29	30
77901	15 54 31.58	−51 14 15.6	7.43	H	238.631 585 11	−51.237 676 96	0.42	−1.33	−9.36	0.78	0.59	0.98	0.89	0.79	+12	−37	−23	+17	+ 3	− 9	+ 4	+20	−11	+21	2	0.41
77902	15 54 34.66	+20 18 39.1	5.45	1 H	238.644 432 88	+20.310 863 63	5.42	−83.83	43.04	0.57	0.52	0.76	0.67	0.63	+12	−15	− 6	+ 1	−43	+ 5	−44	+18	+ 1	+17	0	1.96
77903	15 54 35.98	+49 23 43.7	9.93	H	238.649 931 79	+49.395 461 04	10.15	−12.07	0.98	0.93	0.93	1.08	1.06	1.22	+16	+ 0	−18	−21	− 8	− 7	− 7	− 1	+22	+ 2	3	0.00
77904 H	15 54 36.26	−13 40 57.5	8.70	H	238.651 090 46	−13.682 628 72 A	5.19	−19.63	9.35	2.76	1.56	2.54	2.72	2.19	+32	−15	−14	+17	+ 2	− 5	+ 2	+25	+ 0	−28	1	−0.05
77905	15 54 36.64	−23 56 34.4	10.05	G	238.652 686 12	−23.942 893 01	7.90	0.88	8.52	1.72	0.89	2.23	2.32	1.53	− 5	−20	− 5	+19	+ 0	+54	+13	+34	−23	−27	0	−1.05
77906	15 54 37.36	−07 28 38.4	9.51	H	238.655 656 74	−07.477 321 92	3.89	13.77	12.24	1.32	0.82	1.33	1.64	1.17	−13	−26	+ 6	+32	+ 8	+18	+12	+27	− 7	− 1	0	−1.01
77907	15 54 37.88	+43 08 18.3	5.35	2 H	238.657 821 30	+43.138 406 42	5.21	−33.32	66.12	0.43	0.45	0.55	0.51	0.57	− 1	−15	− 5	+ 2	− 7	+12	+ 1	+22	−21	−29	1	−1.26
77908	15 54 38.58	−26 00 15.9	9.20	H	238.660 743 50	−26.004 425 87	39.45	−229.30	98.98	7.65	4.45	8.88	8.03	7.79	− 4	−13	−21	−24	−24	+ 0	−18	+24	−40	−29	0	
77909	15 54 39.54	−25 14 37.2	5.87	1 H	238.664 741 84	−25.243 679 39	7.16	−12.29	−25.45	0.92	0.51	1.20	1.20	1.11	+ 0	+ 9	− 8	−19	−27	+ 4	−39	+18	−65	+24	0	−0.46
77910	15 54 40.27	+08 34 49.2	6.28	1 G	238.667 807 83	+08.580 338 87	13.54	2.30	−0.64	0.94	0.55	1.05	0.89	0.79	−26	−59	+12	+31	− 7	− 1	−11	+18	+10	−24	0	0.80
77911	15 54 41.60	−22 45 58.3	6.86	H	238.673 353 87	−22.766 198 25	6.52	−14.51	−22.09	0.93	0.55	1.03	0.93	0.71	−12	−57	+ 1	+14	+ 6	+ 8	+11	+27	−14	−11	0	0.71
77912	15 54 41.79	+05 12 34.9	7.57	H	238.674 120 11	+05.209 690 95	4.31	22.33	−16.98	1.05	0.72	1.24	1.39	1.35	− 6	−46	−17	+49	+ 1	−36	−24	+15	+40	−45	0	1.07
77913	15 54 42.82	−54 33 59.1	9.52	3 H	238.678 399 60	−54.566 426 64 *	2.78	5.67	4.34	1.23	1.21	1.84	2.49	2.15	− 6	−16	−16	+ 0	− 6	−17	− 6	+32	− 7	−10	8	3.23
77914	15 54 42.84	−56 16 49.4	8.96	H	238.678 493 10	−56.280 381 10	2.29	−13.78	−11.45	0.96	0.93	1.40	1.26	1.18	+ 1	−16	−29	− 3	+ 9	−25	− 1	+17	− 8	+14	2	1.32
*77915	15 54 43.59	+61 31 40.1	9.55	H	238.681 630 77	+61.527 797 34	9.18	52.86	−67.13	0.77	0.85	0.90	0.77	0.86	− 8	− 4	+ 1	−20	−24	− 6	−15	+17	− 1	−33	5	0.87
*77916	15 54 43.50	+46 45 38.4	10.73	H	238.681 234 50	+46.760 674 66	2.69	−20.75	−6.29	1.02	1.08	1.24	1.12	1.19	+ 7	+ 2	−11	− 2	+13	−18	+12	+ 8	+ 6	+ 4	0	0.14
77917	15 54 44.38	+09 15 00.4	7.96	H	238.684 921 24	+09.250 100 34	16.49	−69.36	14.32	0.94	0.74	1.04	1.32	1.06	−24	−26	− 7	+15	−20	+ 3	−17	+31	− 8	−20	0	−0.05
77918	15 54 44.98	−72 37 44.7	7.95	H	238.687 415 35	−72.629 080 00	2.82	−11.17	−12.34	0.50	0.63	0.81	0.57	0.79	+27	−17	+ 0	+ 9	+ 3	+ 0	+ 1	+18	+ 3	+32	1	0.26
77919	15 54 45.31	+18 02 21.0	9.55	G	238.688 807 95	+18.039 160 31	3.36	−11.86	10.05	1.08	0.97	1.34	1.19	1.40	−23	−15	+ 9	−41	−14	+19	−13	+ 2	−25	−39	0	−1.70
77920	15 54 47.34	−29 44 05.8	9.90	H	238.697 270 82	−29.734 936 43	−1.92	−12.05	−28.00	1.72	1.01	2.05	2.24	1.78	−18	−32	−20	−17	− 1	+ 1	−11	+ 8	+19	−16	0	−0.91
77921 H	15 54 48.47	−65 54 04.5	7.55	G	238.701 971 29	−65.901 258 59 *	20.54	18.23	20.77	1.34	1.11	1.09	0.82	0.95	+ 5	− 7	+18	−42	+ 5	− 7	+ 8	− 3	−15	−11	2	0.81
77922	15 54 49.04	+11 30 54.6	7.69	1 G	238.704 332 91	+11.515 171 28	4.65	−2.38	53.93	1.00	0.76	1.08	1.19	1.16	−34	−34	−15	+36	−21	− 3	−20	+25	− 6	−54	0	1.41
77923	15 54 49.53	−58 56 52.8	8.31	H	238.706 393 15	−58.947 997 37	6.04	−2.50	12.70	0.78	0.78	1.10	0.94	1.03	+ 3	− 9	+ 2	+45	+12	− 2	+15	+51	−17	+ 1	0	−0.29
77924	15 54 49.67	+08 35 04.8	8.09	2 H	238.706 961 41	+08.584 664 94	0.14	8.53	4.52	1.19	0.70	1.30	1.12	1.00	−30	−57	+ 7	+37	−13	− 4	−16	+21	+13	−31	6	1.01
77925	15 54 50.80	−22 54 47.5	10.39	H	238.711 646 24	−22.913 184 44	5.86	−4.56	0.53	2.21	0.98	2.42	2.08	1.63	−11	−60	+ 7	+ 9	− 3	+ 6	+ 7	+30	−13	−17	0	0.63
77926	15 54 51.68	−18 23 43.0	10.80	H	238.715 334 25	−18.395 267 52	6.17	−0.65	11.71	1.91	1.04	2.01	2.04	1.67	+ 0	−33	−10	+19	+ 5	+16	+15	+23	−13	−23	0	0.09
77927 H	15 54 52.64	−60 44 37.1	6.14	G	238.719 324 00	−60.743 640 91 A	1.91	−2.02	−4.02	0.74	0.78	0.91	0.79	0.86	−23	−16	−17	+35	− 5	−27	+ 4	+60	−19	−30	4	−0.65
77928	15 54 53.29	−49 37 54.6	10.50	H	238.722 056 72	−49.631 838 27	4.07	−15.58	−23.08	3.02	2.25	3.76	3.20	2.66	− 4	−29	− 9	− 8	+ 6	−11	+ 8	+ 5	−12	− 2	0	
77929	15 54 53.38	+07 16 12.7	10.66	H	238.722 398 16	+07.270 199 73	−2.71	−12.87	−7.29	1.93	1.45	2.20	2.24	2.48	−45	−47	+21	+30	− 5	−30	−10	− 3	+22	−55	0	0.93
77930	15 54 54.92	+22 08 33.2	8.22	H	238.728 846 66	+22.142 564 20	15.15	48.67	−7.49	0.76	0.80	1.11	0.93	1.03	− 7	+12	− 6	−35	−44	+ 4	−48	+26	−11	− 2	0	−0.16
77931	15 54 54.98	−37 30 40.5	8.53	G	238.729 062 71	−37.511 260 67	20.29	61.78	112.35	1.10	0.66	1.42	1.28	0.81	−15	−14	−22	−14	+21	−38	+17	− 2	−11	−10	0	−0.04
77932	15 54 56.25	−53 29 01.8	7.11	H	238.734 374 73	−53.483 826 94	2.41	−10.95	−11.46	0.95	0.68	1.05	0.98	0.81	+11	−53	−27	+45	+15	−20	+17	+34	−11	− 2	0	0.28
77933	15 54 56.85	+34 21 45.0	7.12	H	238.736 865 18	+34.362 511 34	6.64	−7.02	5.86	0.53	0.58	0.72	0.66	0.70	+ 2	− 5	+ 0	− 3	− 5	− 0	− 6	− 2	+ 6	+ 5	0	−1.18
77934	15 54 57.03	−49 24 09.5	7.72	H	238.737 638 97	−49.402 640 41	6.04	13.40	−22.30	0.75	0.60	0.96	0.78	0.72	− 2	−31	−22	+ 4	+ 0	− 1	+ 4	+26	−12	− 8	2	1.07
77935	15 54 57.35	+24 36 08.5	9.03	H	238.738 972 21	+24.602 348 89	2.37	−10.12	7.51	0.87	0.87	1.39	1.09	1.08	−19	+13	−20	+46	−26	+17	−20	+19	− 3	− 3	0	1.73
77936	15 54 58.77	+52 24 13.1	9.32	H	238.744 891 56	+52.403 644 12	11.57	−8.56	95.00	0.79	0.89	0.90	0.98	1.04	+ 7	− 3	+ 2	+ 4	− 3	− 7	− 4	+33	− 6	+11	0	−2.44
77937	15 54 59.65	−36 17 45.4	9.14	H	238.748 535 55	−36.295 932 20	4.83	−17.30	−30.70	1.15	0.75	1.38	1.61	0.93	−26	+ 2	−15	+24	+15	+ 1	+13	+19	+ 7	− 1	0	1.38
77938	15 54 59.95	+49 51 37.3	8.34	H	238.749 802 27	+49.860 359 03	13.21	−57.81	67.27	0.63	0.67	0.77	0.70	0.83	+14	+ 1	−11	− 4	− 3	+14	− 2	− 6	+26	+ 8	0	−1.19
77939 H	15 55 00.37	−19 22 58.4	5.95	G	238.751 543 69	−19.382 880 98 A	5.23	−10.63	−18.38	1.04	0.65	0.98	1.02	0.88	−30	−20	− 8	− 1	−16	+21	− 8	+28	−20	−35	0	−0.62
*77940	15 55 00.66	+44 59 20.5	9.13	H	238.752 762 28	+44.989 029 00	2.56	4.26	−11.99	0.83	0.84	0.97	1.15	1.10	+21	− 9	−14	− 8	+ 2	+12	+ 2	−11	+16	+40	0	0.63
*77941	15 55 00.66	−75 29 08.7	8.27	H	238.752 737 37	−75.485 750 21	4.62	11.88	51.46	0.59	0.72	0.84	0.71	0.90	+19	−20	+ 5	+10	+ 5	− 2	+ 0	+36	+ 3	+36	1	0.99
77942	15 55 01.06	+75 34 27.5	6.88	H	238.754 411 09	+75.574 315 93	4.26	18.55	−9.81	0.48	0.52	0.55	0.52	0.65	+15	−16	−27	−20	+13	− 8	+ 6	+12	+ 6	+27	0	−1.14
77943	15 55 02.09	−27 54 14.1	8.70	H	238.758 704 03	−27.903 918 05	8.20	−30.03	−37.78	1.12	0.67	1.28	1.15	0.99	− 6	−32	−24	+16	−20	+19	− 8	+43	−10	−35	0	−0.19
77944	15 55 02.09	−53 08 15.6	8.58	G	238.758 705 76	−53.137 660 07	9.68	−10.46	48.78	1.01	0.83	1.26	1.25	1.12	+14	−32	−30	+28	+12	− 7	+15	+33	−15	+14	2	0.76
77945	15 55 02.99	−45 35 06.4	9.73	H	238.762 443 96	−45.585 101 46	0.52	−7.38	−20.45	1.32	0.92	1.71	1.79	1.34	+ 0	−26	−20	+21	+ 5	+30	+17	+29	−15	− 2	0	2.18
77946	15 55 03.00	+05 04 11.9	8.60	H	238.762 507 33	+05.069 973 31	6.56	−280.59	26.45	1.08	0.87	1.23	1.54	1.64	−20	−23	−19	+39	+13	−23	+ 1	− 9	+16	−50	0	0.58
77947	15 55 03.78	+21 33 58.8	8.45	H	238.765 765 90	+21.566 344 15	1.55	12.32	−1.79	0.85	0.94	1.19	0.97	1.11	+ 1	− 4	−25	−21	−54	+12	−54	+29	−17	− 1	0	1.70
77948	15 55 03.96	−20 47 32.7	9.06	H	238.766 483 39	−20.792 411 73	5.15	11.00	−16.10	1.34	0.82	1.52	1.88	1.62	−25	−11	−17	+ 7	−21	− 3	−14	+38	− 3	−52	0	1.76
77949	15 55 05.22	+66 33 55.6	9.62	H	238.771 769 03	+66.565 439 31	2.80	9.32	− 2.58	0.74	0.73	0.80	0.85	0.88	+ 3	−14	− 3	−13	− 1	−17	+ 2	+10	−15	+ 0	0	−0.07
77950	15 55 06.91	+39 46 57.9	8.16	H	238.778 786 64	+39.782 745 36	2.76	17.05	− 2.68	0.59	0.64	0.78	0.65	0.73	+10	+ 7	− 6	−11	− 4	− 5	+ 1	+16	− 1	−12	0	−0.99
77951	15 55 07.34	−40 36 45.4	7.60	H	238.780 583 67	−40.612 613 66	5.54	−4.24	−11.59	0.82	0.57	0.91	1.10	0.79	− 5	− 7	−15	+27	− 1	+ 2	+ 0	+36	− 4	− 6	0	−0.32
77952	15 55 08.81	−63 25 47.1	2.83	H	238.786 700 13	−63.429 749 73	81.24	−188.45	−401.92	0.39	0.41	0.62	0.47	0.56	− 7	−12	−11	− 5	+15	−12	+19	+ 9	− 2	−24	0	−0.59
77953	15 55 11.02	−26 44 01.7	10.04	G	238.795 911 42	−26.733 815 06	3.56	9.39	−0.55	3.52	1.99	3.93	3.49	2.84	+ 3	−19	−16	−20	− 6	+ 5	+ 4	+13	−30	−17	0	
77954	15 55 12.25	−52 58 34.6	8.93	H	238.801 061 15	−52.976 267 78	5.47	−20.50	−31.63	1.09	0.90	1.30	1.55	1.23	+12	−16	−15	+36	+24	−13	+25	+28	−17	+29	0	0.49
77955	15 55 12.35	−25 46 43.7	7.75	H	238.801 439 89	−25.778 806 21	4.51	3.25	43.80	0.91	0.54	1.15	1.05	1.03	−15	− 4	−13	− 7	−14	+20	− 9	+23	−48	−34	0	0.50
77956	15 55 12.41	+26 29 10.1	8.32	H	238.801 711 75	+26.486 125 95	8.78	−55.86	58.09	0.57	0.59	0.98	0.64	0.73	+28	−25	− 5	+ 6	−12	+10	−12	+12	+ 2	+11	1	−1.28
77957	15 55 13.12	−50 08 13.4	10.10	H	238.804 659 92	−50.137 041 85	−0.38	−14.85	−12.51	1.56	1.19	1.98	2.12	1.76	+ 7	− 7	− 2	+ 3	+17	− 8	+14	+18	− 7	+32	4	−1.49
77958	15 55 16.00	−42 36 18.1	6.68	G	238.816 657 88	−42.605 033 26	22.63	−73.30	−38.07	0.69	0.53	0.85	0.69	0.67	−14	−33	−26	+ 4	−13	−14	− 5	+37	−14	−43	0	0.61
77959	15 55 17.32	−52 38 31.4	8.65	H	238.822 175 09	−52.642 052 42	0.97	6.71	1.06	1.13	0.84	1.34	1.35	1.06	+21	−22	−26	+ 8	+12	−19	+10	+16	−19	+34	7	2.04
77960	15 55 17.60	−23 22 03.5	8.40	H	238.823 313 54	−23.367 640 94	11.13	−16.42	−26.46	1.10	0.60	1.34	1.31	0.98	−13	−31	+ 5	+16	+ 0	+42	+ 8	+35	−10	−29	0	0.38
77961	15 55 17.76	+14 36 15.1	8.72	H	238.824 019 79	+14.604 200 87	6.36	14.39	−47.06	1.19	0.93	1.47	1.35	1.54	− 2	−45	−22	+41	+ 2	−32	−24	+ 5	+37	−52	0	0.38
77962	15 55 18.88	−39 34 19.3	8.11	H	238.828 679 95	−39.572 037 87	5.81	16.45	−20.93	0.83	0.64	0.97	0.90	0.88	−32	−28	−13	+14	− 7	− 9	− 3	+24	− 3	−52	0	−0.76
77963	15 55 19.23	+16 02 41.7	8.68	H	238.830 112 28	+16.044 917 18	28.23	−218.94	−215.70	1.11	1.06	1.27	1.30	1.37	+ 1	−36	+10	+40	+17	−23	+21	+22	− 5	+ 1	0	0.38
77964	15 55 20.22	−43 23 30.2	6.92	H	238.834 264 24	−43.391 731 01	8.97	5.31	8.08	0.68	0.56	0.84	0.77	0.78	−22	−18	−18	+16	−10	+ 3	− 3	+38	−30	−29	0	0.05
77965	15 55 21.12	+26 00 32.0	8.32	H	238.838 018 56	+26.008 877 88	2.77	−8.36	0.71	0.58	0.62	1.06	0.66	0.76	+40	−16	− 6	− 3	−10	+ 8	−11	− 1	+ 9	+28	0	−0.80
77966	15 55 21.59	+09 13 24.5	6.90	H	238.839 944 78	+09.223 461 20	4.61	4.89	−17.46	0.76	0.60	0.89	0.91	0.85	−25	−30	−13	+24	− 9	+ 9	− 5	+14	− 8	−34	0	−0.48
77967 H	15 55 22.56	+00 04 41.5	8.19	G	238.843 996 68	+00.078 186 80 A	10.04	105.29	−118.16	1.84	1.24	1.90	1.99	1.62	−24	−38	−16	+31	−19	− 4	−21	+35	+ 9	−17	1	0.52
77968	15 55 22.90	−44 31 33.5	6.97	H	238.845 408 90	−44.525 966 31	5.39	−17.88	−18.78	0.68	0.56	0.86	0.78	0.76	−12	−17	−27	+11	−11	− 3	− 4	+46	−21	−28	0	−0.22
77969	15 55 23.06	+62 09 18.9	9.51	H	238.846 078 53	+62.155 261 05	4.93	13.88	−53.31	0.79	0.79	0.87	0.80	0.84	−10	− 3	− 7	−27	−11	− 9	− 2	+18	− 7	−31	2	0.61
77970	15 55 23.16	+54 01 54.5	8.22	H	238.846 491 77	+54.031 803 87	3.84	−10.40	30.81	0.64	0.62	0.69	0.75	0.73	+ 9	− 3	− 2	+ 7	+12	− 2	+12	+14	− 1	+16	0	−0.84
77971	15 55 23.59	+54 05 38.4	11.35	H	238.848 275 88	+54.093 987 20	25.86	−72.23	−165.67	1.63	1.55	1.75	2.07	1.91	+ 5	− 1	− 3	+15	+ 6	− 2	+ 6	+11	+ 4	+13	1	−1.28
77972	15 55 24.23	−41 55 30.3	8.66	2 H	238.850 976 33	−41.925 087 48	5.56	−11.21	−13.68	1.03	0.70	1.19	0.99	0.90	−12	−38	−11	+ 9	− 1	− 5	+12	+28	−21	−33	2	−0.86
77973	15 55 24.51	−57 03 33.2	8.13	G	238.852 138 71	−57.059 212 75	11.62	−177.49	−113.16	0.73	0.71	0.99	0.87	0.96	+ 4	−13	−14	+14	−12	− 5	−12	+12	−18	−18	0	1.58
77974 H	15 55 25.67	−43 20 25.8	8.65	H	238.856 952 17	−43.340 503 16 *	4.65	−7.66	−7.49	0.94	0.76	1.16	1.12	1.12	−27	−13	−17	+11	−10	− 5	− 7	+33	−20	−33	0	−0.97
77975 H	15 55 25.82	+29 32 13.4	7.64	H	238.857 572 56	+29.537 066 79 A	6.61	−7.63	8.66	0.66	0.74	1.02	0.65	0.78	+18	−11	−13	+12	+27	− 8	+23	+ 3	+12	+ 3	1	0.55
77976	15 55 25.83	−43 58 25.7	7.86	H	238.857 627 28	−43.973 818 25	1.88	−4.77	−6.56	0.84	0.67	1.04	0.97	0.96	−17	−20	−17	+16	− 9	−12	− 6	+41	−25	−18	0	−1.52
77977	15 55 26.86	−01 17 29.0	10.65	G	238.861 933 36	−01.291 380 52	0.67	−2.31	− 7.59	1.91	1.38	2.16	2.82	2.15	−59	+12	−10	+44	−23	+34	−16	+19	− 7	−44	0	−0.16
77978	15 55 27.34	+14 17 24.6	8.23	G	238.863 901 63	+14.290 174 35	9.04	5.11	21.16	0.97	0.86	1.10	1.16	1.24	−31	−32	− 2	+27	− 3	−24	−10	+ 2	+10	−51	2	−0.39
77979	15 55 28.15	−17 15 22.5	9.92	H	238.867 280 23	−17.256 251 74	11.89	2.01	−47.95	1.89	1.29	1.77	2.27	1.62	+ 4	−18	−27	+ 4	+ 7	+ 4	+10	+ 2	−26	+ 8	5	0.28
77980	15 55 28.79	−77 43 55.9	7.34	H	238.869 965 69	−77.732 195 61	3.96	−8.91	−24.14	0.57	0.60	0.75	0.61	0.78	+16	−23	+ 5	−19	+11	+ 3	+12	+21	− 5	+21	0	0.59
77981	15 55 29.02	−33 24 04.4	9.31	H	238.870 897 03	−33.401 227 87	2.44	−17.31	−6.24	1.22	0.72	1.37	1.46	1.01	+ 2	−33	−18	+18	+ 3	− 4	+ 4	+30	− 7	+ 1	0	−1.70
77982	15 55 29.61	−68 36 10.8	5.11	1 H	238.873 389 03	−68.602 986 16	1.09	− 8.90	− 6.27	0.28	0.39	0.57	0.31	0.45	+23	−16	− 2	− 2	+ 2	+10	+ 2	+15	− 8	+29	1	1.15
77983	15 55 29.93	+10 06 17.3	8.85	G	238.874 694 32	+10.104 814 50 A	3.87	− 3.90	− 1.22	4.73	3.41	4.58	5.29	4.53	−23	−11	−32	+12	−20	−13	−21	+32	−41	−21	11	1.47
77984	15 55 30.10	−26 15 57.3	5.63	G	238.875 427 64	−26.265 920 73	7.55	−34.96	−29.93	0.73	0.47	0.93	0.76	0.80	−14	− 9	−19	− 3	−24	+20	−15	+32	−52	−34	0	0.02
77985	15 55 30.52	−31 05 01.3	6.21	G	238.877 145 88	−31.083 704 58	8.24	30.28	24.98	0.67	0.48	0.84	0.86	0.77	−37	− 9	−17	+ 6	+ 7	−24	+ 9	+25	− 1	−39	2	−1.23
77986	15 55 30.61	+42 33 58.1	5.73	2 H	238.877 543 61	+42.566 152 29	6.77	−23.28	16.79	0.41	0.46	0.53	0.48	0.55	− 4	−10	− 3	+10	+ 3	+ 6	+ 6	+19	−18	−21	0	−0.53
77987	15 55 30.93	+10 06 16.6	9.72	H	238.878 861 67	+10.104 608 99 B	−4.66	24.17	−23.65	16.48	15.64	9.51	16.25	18.57	−31	− 7	−35	+17	−20	−16	−25	+35	−41	−22	11	1.47
77988	15 55 31.92	−29 11 25.2	8.07	H	238.882 986 37	−29.190 333 84	2.57	21.10	− 6.77	1.03	0.82	1.26	1.17	1.17	−24	−30	−40	+25	−38	+12	−26	+53	−17	−59	3	2.17
77989	15 55 32.14	+55 49 01.7	8.27	H	238.883 926 40	+55.817 137 53	2.11	− 3.40	4.68	0.63	0.71	0.74	0.72	0.84	+ 9	− 8	−16	+ 0	− 2	− 8	− 5	+ 6	+15	+13	0	−0.13
77990 H	15 55 32.42	−60 10 38.9	5.78	H	238.885 087 97	−60.177 474 19 A	19.09	−47.33	−71.19	0.78	0.75	0.87	0.84	0.85	− 2	− 9	+ 4	+60	+16	−16	+16	+53	− 4	− 5	2	0.63
77991	15 55 33.28	+33 54 20.2	8.65	H	238.888 660 67	+33.905 611 53	4.19	−17.14	− 6.98	0.67	0.74	1.00	0.79	0.89	+14	− 7	+18	− 3	− 9	+10	−13	−15	+ 1	+ 0	1	1.44
77992	15 55 34.27	+80 50 22.5	8.24	H	238.892 782 59	+80.839 583 53	4.53	−17.11	9.02	0.61	0.64	0.68	0.62	0.77	+ 8	−17	−24	−16	−10	− 2	−10	+ 6	− 7	− 2	0	1.03
77993	15 55 37.74	+57 53 30.7	10.51	2 H	238.907 263 46	+57.891 872 26	0.99	− 3.97	5.90	2.60	2.60	2.80	2.57	2.82	+ 0	− 1	−25	−24	−13	+ 8	−13	−20	+ 0	− 6	1	
77994 H	15 55 39.60	−54 38 36.6	10.40	G	238.915 009 63	−54.643 507 92 A	−0.68	− 1.31	− 1.85	3.47	2.79	3.89	4.11	3.37	+ 5	− 6	−15	+13	+12	−11	+19	+21	− 8	+24	1	−0.59
77995	15 55 39.86	+18 37 14.8	6.26	H	238.916 073 23	+18.620 771 32	1.98	− 7.84	−10.67	0.70	0.59	0.78	0.67	0.71	− 8	− 8	+16	−58	−20	+ 1	−22	−12	−21	−12	2	−1.35
77996	15 55 40.07	−56 37 48.4	9.22	H	238.916 952 99	−56.630 102 10	6.90	27.21	16.23	1.09	1.03	1.57	1.42	1.43	−14	− 7	+ 0	− 7	− 9	−17	− 9	+18	−22	− 5	2	−2.45
77997	15 55 40.37	+07 59 19.7	11.61	3 H	238.918 223 66	+07.988 797 20	0.49	− 1.52	− 6.35	2.57	2.15	2.99	3.46	3.52	−36	−26	+14	+44	−16	−16	−16	+33	+21	−30	0	1.23
77998	15 55 40.97	+72 23 31.2	7.24	H	238.920 696 00	+72.392 007 99	7.50	−36.87	14.27	0.59	0.62	0.68	0.56	0.72	+10	−27	−36	−14	− 2	−17	−14	+

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data										Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
77901	7.435	0.008	7.427	0.008		0.012	0.010	T	0.03	0.01	L	7.4460	0.0014	0.009	79		7.43	7.46		C			1							S
77902	7.537	0.007	5.627	0.003		1.588	0.005	G	1.73	0.01	G	5.5572	0.0011	0.011	112		5.53	5.57		U 2			1							S
77903	10.549	0.036	9.956	0.032		0.553	0.042	T	0.63	0.04	L	10.0474	0.0021	0.025	110		10.00	10.10					1							
77904	8.933	0.019	8.516	0.022	*	0.394	0.027	T	0.46	0.03	L *	8.7924	0.0025	0.018	90	*	8.76	8.83		D	15546−1341	I 1	2 C A	AB	112	2.291	0.012	1.10	0.03	
77905	10.821	0.084	10.250	0.084		0.651	0.020	G	0.71	0.02	H	10.1912	0.0030	0.023	82		10.16	10.23		C			1							G
77906	10.084	0.030	9.556	0.029		0.478	0.038	G	0.55	0.04	H	9.6124	0.0020	0.014	70		9.59	9.64					1							
77907	7.516	0.007	5.554	0.003		1.645	0.012	G	2.15	0.01	G	5.4196	0.0018	0.021	133		5.38	5.45		U 2			1 S							S
77908	10.860	0.056	9.344	0.025		1.234	0.004	G	1.39	0.00	I	9.3133	0.0012	0.018	83		9.28	9.34		D			1 X							G
77909	5.780	0.003	5.856	0.004		−0.065	0.005	T	−0.04	0.01	L	5.8522	0.0013	0.011	85		5.84	5.87	1.46	P 1 A			1							S P
77910	6.496	0.005	6.304	0.006		0.171	0.020	G	0.19	0.02	H	6.3310	0.0013	0.008	62		6.32	6.35	0.25	P 1 A			1							S P
77911	6.910	0.004	6.871	0.007		0.035	0.007	T	0.05	0.01	L	6.8823	0.0011	0.007	86		6.87	6.89		C			1 G							S
77912	8.972	0.018	7.678	0.011		1.100	0.016	T	1.06	0.02	L	7.7416	0.0023	0.014	69		7.71	7.77					1							S
77913	11.422	0.112	9.781	0.035		1.373	0.093	T	1.34	0.11	L	9.6627	0.0284	0.254	83		9.25	9.99	12.64	P 1 A	15547−5434	I 1	1 V							G
77914	9.346	0.020	8.971	0.021		0.366	0.025	T	0.43	0.03	L	9.0507	0.0025	0.022	72		9.02	9.09					1							
77915	10.377	0.035	9.613	0.028		0.681	0.034	T	0.74	0.03	L	9.6845	0.0025	0.023	103		9.65	9.72		C	15547+6132	I 1	1 S							
77916	11.519	0.069	10.745	0.059		0.704	0.071	T	0.76	0.06	L	10.8689	0.0042	0.035	118		10.78	10.93					1							G
77917	8.637	0.014	8.015	0.012		0.579	0.016	T	0.65	0.01	L	8.0865	0.0019	0.014	73		8.06	8.11		C			1							S
77918	7.903	0.007	7.944	0.008		−0.035	0.009	T	−0.01	0.01	L	7.9441	0.0014	0.015	185		7.92	7.97					1							S
77919	10.014	0.022	9.522	0.021		0.400	0.020	G	0.47	0.02	H	9.6449	0.0020	0.020	109		9.61	9.68		C			1							
77920	11.504	0.104	10.095	0.048		1.190	0.090	T	1.15	0.08	L	10.0637	0.0043	0.022	65		10.02	10.10					1 S							G
77921	8.283	0.009	7.603	0.008	*	0.621	0.015	G	0.69	0.01	H *	7.6609	0.0012	0.013	174	*	7.64	7.69		D	15548−6554	I 1	2 C A	BA	289	0.213	0.004	0.14	0.08	S
77922	7.970	0.011	7.722	0.010		0.220	0.020	G	0.24	0.02	H	7.7516	0.0018	0.019	60		7.73	7.79		U			1							S
77923	9.029	0.013	8.380	0.012		0.595	0.013	T	0.67	0.01	L	8.4378	0.0016	0.015	109		8.41	8.47		C			1							
77924	10.095	0.045	8.266	0.019		1.522	0.039	T	1.56	0.06	L	8.2090	0.0036	0.021	63		8.17	8.25		U 2			1							
77925	11.291	0.079	10.603	0.072		0.635	0.088	T	0.70	0.08	L	10.5205	0.0027	0.027	87		10.49	10.57		C			1							G
77926	11.594	0.111	10.842	0.089		0.672	0.108	T	0.73	0.09	L	10.9366	0.0049	0.032	83		10.87	10.98		C			1							G
77927	6.289	0.010	6.216	0.009	A	0.121	0.015	G	0.07	0.01	L *	6.1790	0.0008	0.006	108	*	6.17	6.19		D	15549−6045	I 1	2 C A	AB	95	1.097	0.004	1.66	0.02	S
77928	11.190	0.069	10.580	0.065		0.568	0.083	T	0.64	0.08	L	10.6254	0.0040	0.030	94		10.56	10.68		C			1 X							G
77929	10.903	0.066	10.664	0.085		0.050	0.040	G	0.06	0.03	R	10.6861	0.0054	0.034	62		10.61	10.76		C			1							G
77930	8.927	0.010	8.293	0.009		0.614	0.015	G	0.68	0.01	H	8.3533	0.0012	0.016	156		8.32	8.39		C			1							S
77931	9.323	0.016	8.612	0.014		0.667	0.015	G	0.73	0.01	H	8.6521	0.0018	0.018	102		8.62	8.68		C	15549−3731	I 1	1 S							
77932	7.128	0.007	7.114	0.007		0.013	0.009	T	0.03	0.01	L	7.1277	0.0011	0.009	76		7.10	7.15					1 G							S
77933	7.299	0.005	7.133	0.007		0.159	0.008	T	0.18	0.01	L	7.1754	0.0010	0.011	121		7.16	7.19			15550+3422	I 1	1 G							S
77934	8.441	0.011	7.788	0.008		0.606	0.012	T	0.68	0.01	L	7.8541	0.0010	0.010	97		7.84	7.88		D			1							S
77935	10.910	0.046	9.214	0.018		1.416	0.039	T	1.40	0.06	L	9.1726	0.0021	0.019	121		9.14	9.23					1							
77936	10.069	0.026	9.371	0.022		0.644	0.028	T	0.71	0.03	L	9.4572	0.0028	0.023	115		9.41	9.49		C			1							
77937	9.658	0.022	9.172	0.023		0.469	0.025	T	0.54	0.03	L	9.2403	0.0023	0.022	102		9.21	9.28					1							
77938	9.039	0.012	8.405	0.011		0.589	0.014	T	0.66	0.01	L	8.4643	0.0014	0.014	106		8.44	8.49		C			1							
77939	5.923	0.004	5.954	0.004	*	−0.013	0.021	G	−0.01	0.03	C *	5.9524	0.0007	0.006	86	*	5.94	5.96		D	15550−1923	I 1	2 C A	AB	121	0.553	0.007	2.01	0.02	S
77940	10.778	0.044	9.224	0.020		1.304	0.038	T	1.26	0.04	L	9.2850	0.0022	0.020	107		9.24	9.33					1							
77941	8.543	0.009	8.287	0.010		0.215	0.015	G	0.24	0.02	H	8.3313	0.0015	0.016	146		8.31	8.37					1							
77942	7.912	0.008	6.970	0.006		0.831	0.007	T	0.85	0.01	L	7.0293	0.0009	0.009	121		7.02	7.04		C			1							S
77943	9.512	0.020	8.745	0.016		0.699	0.020	T	0.76	0.02	L	8.8386	0.0024	0.015	87		8.82	8.87					1							
77944	9.178	0.018	8.648	0.017		0.476	0.014	G	0.55	0.01	H	8.6951	0.0022	0.012	73		8.68	8.72		C			1							
77945	10.523	0.037	9.715	0.029		0.730	0.036	T	0.78	0.03	L	9.8774	0.0023	0.023	88		9.83	9.91		C			1							G
77946	9.019	0.016	8.647	0.017		0.386	0.026	G	0.45	0.03	H	8.6939	0.0027	0.018	67		8.66	8.73					1							
77947	10.122	0.025	8.575	0.013		1.299	0.022	T	1.26	0.02	L	8.6119	0.0020	0.020	128		8.57	8.64					1							S
77948	9.772	0.025	9.127	0.022		0.572	0.020	G	0.64	0.02	H	9.1891	0.0018	0.019	77		9.15	9.23		C			1							
77949	9.885	0.023	9.615	0.028		0.257	0.034	T	0.29	0.04	L	9.6923	0.0021	0.018	111		9.66	9.73					1							
77950	8.430	0.010	8.180	0.011		0.238	0.014	T	0.27	0.02	L	8.2281	0.0014	0.014	123		8.21	8.26		C			1							S
77951	9.022	0.014	7.730	0.009		1.099	0.013	T	1.06	0.01	L	7.7718	0.0012	0.010	96		7.76	7.79		C			1							
77952	3.205	0.002	2.869	0.002		0.315	0.003	G	0.36	0.02	A	2.9075	0.0004	0.004	138		2.90	2.92			15551−6326	I 1	1							S
77953	10.717	0.056	10.164	0.056		0.530	0.020	G	0.60	0.02	H	10.1318	0.0027	0.025	89		10.10	10.17		C			1 X S							G
77954	9.630	0.022	8.991	0.020		0.587	0.022	T	0.66	0.02	L	9.0507	0.0031	0.017	73		9.02	9.08		C			1							
77955	9.346	0.020	7.885	0.011		1.231	0.018	T	1.19	0.02	L	7.9115	0.0017	0.012	88		7.89	7.93		C			1							
77956	8.799	0.010	8.364	0.010		0.411	0.013	T	0.48	0.01	L	8.4146	0.0012	0.017	197		8.39	8.45					1							S
77957	10.559	0.040	10.084	0.043		0.309	0.140	G	0.35	0.19	R	10.1769	0.0053	0.029	76		10.11	10.22					1							G
77958	7.148	0.006	6.714	0.006		0.402	0.006	G	0.47	0.01	H	6.7779	0.0007	0.007	93		6.77	6.79		C			1							S
77959	10.235	0.034	8.786	0.018		1.222	0.030	T	1.18	0.03	L	8.8181	0.0019	0.014	74		8.80	8.85		C			1							
77960	8.867	0.013	8.462	0.013		0.383	0.017	T	0.45	0.02	L	8.4940	0.0018	0.011	90		8.47	8.51		C			1							
77961	9.207	0.017	8.748	0.016		0.433	0.021	T	0.50	0.02	L	8.8198	0.0028	0.023	68		8.79	8.86					1							S
77962	8.710	0.012	8.178	0.012		0.507	0.013	T	0.58	0.01	L	8.2251	0.0012	0.010	94		8.20	8.25					1							
77963	9.971	0.046	8.830	0.029		0.973	0.043	T	0.96	0.04	L	8.8239	0.0024	0.015	55		8.79	8.88					1							
77964	7.147	0.005	6.938	0.006		0.200	0.007	T	0.22	0.01	L	6.9823	0.0008	0.008	94		6.97	7.00					1							S
77965	9.843	0.016	8.458	0.009		1.172	0.014	T	1.13	0.01	L	8.4879	0.0017	0.021	249		8.45	8.52					1 S							
77966	8.242	0.012	7.010	0.006		1.052	0.010	T	1.02	0.01	L	7.0673	0.0010	0.008	74		7.05	7.08		C			1							S
77967	9.106	0.015	8.316	0.012	A	0.740	0.126	G	0.76	0.03	L *	8.3637	0.0016	0.014	84	*	8.34	8.40		D	15554+0005	I 1	2 C B	AB	137	1.120	0.041	3.08	0.15	S
77968	6.949	0.004	6.956	0.005		−0.005	0.006	T	0.02	0.01	L	6.9792	0.0010	0.007	94		6.97	6.99		C			1							S
77969	10.108	0.026	9.589	0.025		0.487	0.033	T	0.56	0.04	L	9.6172	0.0026	0.020	111		9.58	9.66		C			1							
77970	9.425	0.015	8.333	0.010		0.970	0.015	G	0.95	0.01	H	8.3851	0.0014	0.012	113		8.37	8.40		C			1							
77971											T	11.4907	0.0053	0.046	108		11.39	11.56		C			1							G
77972	9.332	0.015	8.722	0.014		0.568	0.018	T	0.64	0.02	L	8.7856	0.0026	0.020	93		8.75	8.86		U 2			1							
77973	8.700	0.014	8.200	0.013		0.472	0.011	G	0.54	0.01	H	8.2277	0.0017	0.014	73		8.20	8.26		C			1							
77974	9.208	0.015	8.697	0.014	*	0.480	0.019	T	0.55	0.02	L *	8.7535	0.0024	0.015	93	*	8.73	8.78			15554−4320	I 1	2 C S A	AB	338	0.137	0.016	0.97	0.50	
77975	7.657	0.008	7.595	0.012	*	0.062	0.013	T	0.07	0.01	L *	7.6611	0.0011	0.013	194	*	7.64	7.68		C	15554+2932	I 1	2 C A	AB	118	3.590	0.018	3.52	0.09	S
77976	7.891	0.007	7.864	0.011		0.030	0.012	T	0.05	0.01	L	7.8808	0.0016	0.012	88		7.87	7.91					1							S
77977	11.431	0.073	10.809	0.067		0.660	0.020	G	0.72	0.02	H	10.7916	0.0039	0.033	101		10.74	10.85		C			1							G
77978	8.676	0.012	8.287	0.013		0.411	0.001	G	0.48	0.00	H	8.3152	0.0016	0.016	74		8.29	8.34					1							S
77979	10.802	0.053	10.013	0.041		0.700	0.051	T	0.76	0.04	L	10.0553	0.0033	0.020	85		10.02	10.10		C			1 G							
77980	8.596	0.010	7.446	0.007		0.988	0.010	T	0.97	0.01	L	7.5057	0.0015	0.012	137		7.49	7.52		C			1							S
77981	10.782	0.044	9.446	0.024		1.133	0.039	T	1.10	0.04	L	9.4719	0.0030	0.020	94		9.44	9.50		C			1							
77982	6.527	0.003	5.223	0.002		1.108	0.003	T	1.07	0.00	L	5.2746	0.0007	0.009	271		5.26	5.29		M			1							S
77983	9.125	0.018	8.828	0.019	A	0.284	0.015	G	0.32	0.02	H	8.8831	0.0191	0.096	67	A	8.83	9.16		D	15555+1006	I 2	1 C P A							S
77984	5.798	0.003	5.647	0.003		0.141	0.002	G	0.16	0.00	H	5.6744	0.0009	0.006	88		5.66	5.69					1							S
77985	8.016	0.008	6.365	0.004		1.371	0.001	G	1.34	0.00	H	6.3569	0.0007	0.008	122		6.35	6.37					1							S
77986	5.610	0.008	5.728	0.007		−0.102	0.009	T	−0.09	0.01	L	5.7009	0.0048	0.072	128		5.69	5.86		U 2 C			1							S
77987	10.138	0.045	9.725	0.047	B	0.390	0.060	T	0.46	0.07	L	9.7949	0.0411			B				D	15555+1006	I 2	1 C I A							
77988	9.727	0.028	8.189	0.015		1.292	0.025	T	1.25	0.03	L	8.2285	0.0015	0.012	72		8.21	8.26		C			1							
77989	10.135	0.025	8.416	0.012		1.435	0.022	T	1.43	0.04	L	8.4063	0.0014	0.017	115		8.38	8.45					1							
77990	6.175	0.004	5.785	0.005	*	0.355	0.005	G	0.42	0.01	H *	5.8655	0.0006	0.006	111	*	5.86	5.87		D	15555−6011	I 1	2 C A	AB	100	4.548	0.008	2.66	0.04	S
77991	9.165	0.013	8.685	0.012		0.452	0.016	T	0.52	0.02	L	8.7456	0.0014	0.021	134		8.70	8.78					1							S
77992	8.336	0.009	8.242	0.010		0.092	0.013	T	0.10	0.01	L	8.2822	0.0015	0.015	109		8.26	8.31					1							S
77993						1.625	0.082	G	2.06	0.23	K	10.5847	0.0075	0.052	98		10.49	10.68		U 2			1 X							G
77994	11.333	0.095	10.612	0.081	A	0.550	0.010	G	0.62	0.01	H *	10.5226	0.0036	0.028	76	*	10.46	10.58		D	15557−5439	H 1	2 C A	AB	286	1.164	0.012	0.99	0.06	G
77995	6.140	0.004	6.243	0.004		−0.089	0.005	T	−0.07	0.01	L	6.2365	0.0006	0.006	117		6.22	6.25					1							S
77996	10.439	0.046	9.352	0.031		0.931	0.044	T	0.93	0.03	L	9.3683	0.0027	0.023	71		9.33	9.41					1							
77997											T	11.6976	0.0534	0.334	66		11.06	12.02	0.75	P 1 A			1							G
77998	8.563	0.011	7.355	0.007		1.033	0.010	T	1.01	0.01	L	7.4037	0.0013	0.011	97		7.39	7.43					1							S
77999	9.799	0.026	9.236	0.024		0.586	0.015	G	0.66	0.01	H	9.2363	0.0021	0.021	91		9.21	9.28		C			1							
78000	10.517	0.048	8.648	0.018		1.553	0.041	T	1.57	0.04	L	8.5791	0.0023	0.017	64		8.55	8.61		C			1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)														Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$		F1	F2
1 2	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr		19	20	21	22	23	24	25	26	27	28			%	
	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18												29	30
78001	15 55 41.50	+28 25 08.7	8.17	H	238.922 910 06	+28.419 083 22		9.95	121.55	−152.77	0.44	0.57	0.92	0.39	0.64	+17	−14	−	8	−21	+12	−10	+18	+	1	−13	+13	1	2.79
78002 H	15 55 41.93	−26 44 49.3	7.33	G	238.924 700 62	−26.747 017 33	*	14.76	−10.87	−82.18	1.91	1.16	1.19	1.21	1.03	+	6	−17	−13	−	7	−21	−	4	−	8	+38	−22	−26	1	0.17
78003	15 55 42.27	−08 38 51.0	6.94	H	238.926 134 95	−08.647 497 07		5.29	1.02	−60.51	0.91	0.57	0.98	0.91	0.75	−	11	−36	−22	+29	−	9	+	0	+	0	+38	−22	−17	2	2.46
78004	15 55 43.09	−44 31 56.5	6.83	H	238.929 558 66	−44.532 371 20		2.61	−7.07	−14.70	0.68	0.55	0.88	0.73	0.74	−	7	−29	−30	+	8	−	9	+	8	+	7	+42	−28	−31	0	−0.38
78005	15 55 44.28	−51 07 32.9	8.25	H	238.934 514 35	−51.125 815 71		1.65	−2.19	−9.16	0.95	0.67	1.13	1.13	0.93	+20	−33	−24	+18	+	4	−12	+	4	+21	−12	+24		2	1.48
78006	15 55 44.94	−28 21 37.7	8.04	G	238.937 243 26	−28.360 484 63		5.08	1.62	−14.51	0.99	0.73	1.24	0.97	0.96	−17	−40	−37	+17	−38	+25	−12	+57	−33	−55		0	−1.11
78007	15 55 45.11	+44 13 51.6	10.04	G	238.937 972 77	+44.231 009 76		10.36	−198.84	28.91	0.99	0.93	1.16	1.05	1.06	−	1	−14	−11	−14	+14	−	5	+10	−17	+20	−	5	4	0.42
78008	15 55 45.34	−24 40 57.1	9.40	H	238.938 909 50	−24.682 517 57		13.10	−18.66	−32.63	1.39	0.73	1.74	1.64	1.41	−	7	−31	−15	+	0	−16	+	7	−	4	+36	−48	−	8	0	0.24
78009	15 55 45.63	+55 32 17.8	10.60	H	238.940 136 39	+55.538 274 28		4.86	−0.22	26.16	1.34	1.17	1.42	1.33	1.37	+10	−27	−13	+	3	−	2	+14	−	4	+	2	+14	+13	4	0.38
78010	15 55 46.13	−15 09 33.0	7.78	G	238.942 207 44	−15.159 156 64		15.43	69.92	−54.90	0.87	0.52	0.92	1.00	0.74	+	3	−22	−16	+	0	−	2	+	3	+	2	+11	−18	+	1	0	1.42
78011	15 55 47.20	+04 20 03.0	7.81	H	238.946 660 50	+04.334 159 87		4.56	−5.72	7.47	0.84	0.67	1.13	1.17	1.29	−12	−32	−22	+34	+	1	−32	−17	+13	+45	−51		0	1.49
78012	15 55 47.57	+37 56 48.3	5.43	H	238.948 187 97	+37.946 763 24		24.12	29.45	80.08	0.43	0.47	0.59	0.48	0.59	+	4	−	2	−	5	+	5	−	5	+	9	−	1	+21	−13	−19	0	−2.78
78013	15 55 47.78	−59 34 58.1	8.45	H	238.949 069 78	−59.582 815 03		3.23	−35.10	−19.89	0.98	0.84	1.15	1.13	1.04	+20	+	5	+	9	+70	+36	+	3	+35	+55	−13	+12		0	1.74
78014	15 55 48.21	−36 37 38.2	9.35	H	238.950 865 45	−36.627 287 43		7.35	18.74	61.15	1.24	0.86	1.51	1.58	1.00	−30	−	9	−13	+	5	+11	−24	+	7	+11	+	0	−17	0	3.17
78015	15 55 48.60	+29 11 39.2	10.74	H	238.952 506 26	+29.194 218 71		13.34	6.00	−39.32	2.48	2.95	4.39	2.51	3.36	+10	−	7	−10	−26	+12	−	9	+13	−13	+	9	+	8	0		
78016	15 55 48.87	+36 07 38.5	9.05	H	238.953 614 74	+36.127 366 30		1.20	−9.43	−7.55	0.82	0.73	1.03	0.89	0.87	+13	+	7	+	4	−22	−	7	−	2	−	7	−13	+	0	+	4	0	0.01
78017	15 55 49.66	+58 54 42.2	6.31	H	238.956 907 35	+58.911 709 71		7.01	−31.85	26.62	0.46	0.50	0.54	0.48	0.54	+	5	−11	−20	−	2	−	6	+	8	−	7	−11	+	3	−13	1	−0.22
78018	15 55 49.82	−18 01 46.7	8.20	H	238.957 590 41	−18.029 643 38		3.27	−1.44	31.97	1.01	0.53	1.10	1.10	0.84	−	1	−39	−16	+	7	−	3	+17	+	8	+22	−18	−17	0	1.65
78019	15 55 50.24	−56 56 20.2	8.85	H	238.959 345 61	−56.938 934 11		1.02	−16.42	7.91	0.93	0.87	1.29	1.14	1.13	−	5	−10	+	6	+	5	+	3	−10	+	5	+13	−14	+	0	0	−0.32
78020	15 55 50.59	−35 40 33.7	7.75	H	238.960 793 26	−35.676 034 78		6.02	−22.13	12.64	0.85	0.56	1.07	1.12	0.78	−20	−25	−	7	+26	+	3	−	9	+	9	+25	−29	+11	4	1.43
78021	15 55 51.03	+48 24 59.3	10.74	2 H	238.962 615 88	+48.416 468 18		3.90	5.50	−22.43	1.18	1.32	1.44	1.55	1.69	−	4	+17	−16	−18	+	2	−19	+11	+19	+	6	−34	6	0.80
78022	15 55 53.36	+23 28 40.6	9.53	H	238.972 348 95	+23.477 934 43		2.00	−13.20	32.66	0.74	0.94	1.46	0.91	1.17	−18	+	4	+	0	+58	−12	+15	−10	+33	+	6	−10	0	2.10
78023	15 55 54.32	−46 36 42.9	9.38	H	238.976 320 79	−46.611 917 26		7.23	−3.21	−30.71	1.19	0.85	1.55	1.26	1.08	+	9	−24	−26	+	4	−	1	−22	−	1	+30	−14	−	6	4	−0.72
78024 H	15 55 54.64	−02 09 51.3	6.77	H	238.977 654 49	−02.164 259 57	A	26.54	−88.94	−60.99	1.07	0.77	1.08	1.26	1.06	−43	−30	+	3	+	9	−	9	−	8	−	3	+13	−16	−35	1	0.90
78025	15 55 55.24	−50 57 23.6	9.94	H	238.980 147 37	−50.956 550 48		2.21	3.63	4.90	1.85	1.23	2.15	2.71	1.89	+25	−27	−19	+15	+	5	−21	+	3	+22	−18	+43		2	1.54
78026	15 55 55.51	−58 41 01.2	7.94	H	238.981 310 19	−58.683 674 35		9.45	−8.93	−18.07	0.79	0.70	1.03	0.96	0.91	+	8	−34	+	6	+44	+21	−19	+25	+46	−13	+23		0	−0.27
78027	15 55 56.46	−40 47 11.0	7.41	H	238.985 240 12	−40.786 395 82		7.58	−10.50	−44.90	0.76	0.61	0.88	1.04	0.81	−16	+	2	−14	+38	−	2	+13	+	0	+46	+	6	−11	0	1.43
78028	15 55 56.92	+36 43 22.3	8.63	H	238.987 179 66	+36.722 873 11		17.85	−189.27	−2.40	0.67	0.72	0.93	0.75	0.84	+14	+10	−	2	−	5	−13	+11	−12	+11	+	4	+	9	0	0.26
78029	15 55 57.04	+10 59 13.8	11.44	H	238.987 667 77	+10.987 163 70		9.79	65.86	−146.85	3.22	2.29	4.02	4.98	3.21	−19	−	5	−33	+29	−14	+16	−	2	+	8	−28	−10		6	0.94
78030	15 55 57.23	+02 50 52.8	8.63	H	238.988 439 19	+02.847 995 48		10.76	−100.95	−101.89	1.03	0.90	1.27	1.58	1.99	−40	−32	+	6	+50	−26	−43	−35	+36	+46	−75		0	−1.45
78031	15 55 59.90	−26 46 09.1	9.15	H	238.999 580 28	−26.769 191 55		4.99	−13.73	13.52	1.28	0.73	1.55	1.33	1.18	+	2	−22	−	9	+	2	−	6	−	1	+	7	+25	−47	−11	0	0.31
78032	15 55 59.96	+57 16 58.0	8.73	H	238.999 818 83	+57.282 777 18		4.32	−18.09	3.85	0.78	0.73	0.83	0.99	0.91	+15	−10	−18	−18	−	4	+24	+	1	+	0	+	3	+12		2	0.39
78033	15 55 59.98	+20 12 30.6	8.56	H	238.999 934 16	+20.208 501 86		4.18	−11.67	−15.14	0.92	0.94	1.30	1.00	1.10	−	1	−21	−27	+	5	−53	+24	−54	+41	+	4	−	2	0	1.47
78034	15 56 01.70	−66 09 09.2	10.44	2 H	239.007 095 07	−66.152 549 43		0.62	−3.94	−6.85	2.12	2.23	3.40	2.29	2.84	−	3	−	3	+11	−51	−	6	−13	−	5	−	2	−11	−	3	0		
78035	15 56 02.15	−35 25 38.9	9.37	H	239.008 960 37	−35.427 470 21		5.16	−9.05	−11.77	1.16	0.71	1.44	1.30	0.99	−18	−31	−16	+25	−	2	+16	+11	+37	−28	−20		0	1.62	
78036 H	15 56 02.27	−60 03 40.8	7.92	H	239.009 469 64	−60.061 322 83	A	2.16	−10.82	−12.18	1.26	1.22	1.48	1.32	1.46	−10	−19	−11	+43	+11	−20	+17	+54	−24	−10		3	−1.22	
78037	15 56 03.30	−52 56 56.1	8.84	G	239.013 759 28	−52.948 925 31		3.56	−0.17	−7.35	1.09	0.80	1.30	1.31	1.10	+17	−36	−21	+22	+22	−11	+24	+27	−16	+36		2	0.26	
78038	15 56 03.53	+27 03 05.3	7.99	G	239.014 712 90	+27.051 480 74		5.54	21.72	0.28	0.52	0.59	0.92	0.58	0.74	+18	−11	−	2	+27	+	7	+10	+	7	+18	−11	+	3	1	−0.46	
78039	15 56 04.29	+09 29 33.8	10.12	G	239.017 881 89	+09.492 721 96		12.15	−226.80	12.28	1.55	1.31	1.82	2.21	1.89	−34	−10	−17	+21	−16	+	4	−12	+24	−30	−35		5	0.41	
78040	15 56 05.11	+00 34 06.2	9.94	G	239.021 291 14	+00.568 401 59		6.71	3.72	−73.21	1.31	1.00	1.61	1.86	1.75	−37	−28	+	2	+14	−16	+18	−13	+17	−11	−31		0	−1.00	
78041	15 56 05.12	−25 56 08.6	7.62	H	239.021 335 11	−25.935 725 49		7.52	−24.08	−29.33	0.94	0.55	1.16	1.00	1.04	−	8	−14	−13	−11	−17	+21	−	3	+24	−47	−43		0	1.32	
78042	15 56 05.14	−40 42 17.0	7.05	H	239.021 429 28	−40.704 711 99		8.38	−28.81	−20.29	0.73	0.53	0.81	0.93	0.72	−15	−17	−14	+28	−	4	+	5	−	2	+40	−	1	−21	0	−0.47	
78043	15 56 05.64	−36 53 34.1	8.97	H	239.023 506 98	−36.892 807 67		5.82	−19.52	−25.62	1.11	0.70	1.36	1.39	0.87	−29	−	8	−25	−15	+17	−22	+11	+	2	−	3	−21	0	0.51	
*78044	15 56 05.99	+07 56 11.3	7.66	H	239.024 950 98	+07.936 476 75		0.98	7.78	3.93	0.96	0.73	1.08	1.17	1.06	−28	−37	+11	+31	−11	−	7	−	9	+20	+	0	−17	0	0.84	
*78045	15 56 05.96	−60 28 56.3	5.76	H	239.024 822 14	−60.482 304 98		15.15	−36.48	−70.88	0.68	0.69	0.80	2.15	0.89	−32	−33	−	6	+25	−	5	+23	+	4	+30	−16	−	8	0	1.35	
78046	15 56 06.84	−39 51 51.6	6.04	H	239.028 482 03	−39.864 321 10		5.16	4.05	−17.70	0.65	0.49	0.74	0.69	0.65	−23	−30	−21	+14	−10	−	6	−	4	+32	+	3	−53	0	−0.05	
78047	15 56 06.87	+15 19 02.8	10.06	H	239.028 634 79	+15.317 455 26		0.84	−0.38	−1.94	1.48	1.22	1.78	1.63	1.93	+	3	−45	−30	+23	+	8	−	7	−13	−19	+15	−47	0	−1.24	
78048	15 56 07.09	+39 25 45.6	7.85	H	239.029 540 01	+39.429 337 91		11.60	−0.20	23.50	0.63	0.64	0.80	0.78	0.85	+13	+13	−10	−	8	+	0	−11	+	2	+24	−14	−	2	0	0.52	
78049	15 56 07.45	−06 40 24.8	9.89	G	239.031 052 04	−06.673 563 77		12.19	59.72	−63.69	1.52	0.94	1.49	1.95	1.33	+	4	−18	−25	+37	+	8	+	8	+13	+30	−	9	+	8	0	−1.29	
78050	15 56 07.77	+40 06 19.9	9.04	H	239.032 367 54	+40.105 536 62		−0.20	20.81	−9.45	0.75	0.79	0.95	0.79	0.90	+14	−	1	−	3	−12	−	3	−	8	+	1	+12	+	0	−	3	0	0.06	
78051	15 56 08.34	−69 23 41.4	8.72	H	239.034 749 66	−69.394 821 93		2.84	12.34	7.79	0.59	0.84	1.11	0.66	1.00	+34	−14	−	8	+	6	+13	−12	+12	+33	−	8	+37	0	1.87	
78052	15 56 09.03	+11 38 28.8	8.49	H	239.037 633 57	+11.641 335 85		2.36	−15.27	−1.35	1.10	0.91	1.28	1.44	1.50	−23	−20	−28	+32	−	2	−	1	−	8	+	3	−16	−53	0	−0.25	
78053 H	15 56 09.21	−37 56 05.9	11.57	3 H	239.038 362 82	−37.934 985 23	A	−4.77	−56.66	−49.97	14.74	8.49	13.79	15.41	7.31	+	3	+41	−11	−24	+24	−46	+	9	+13	−	7	+34	37	3.85	
78054	15 56 10.51	−28 12 19.4	9.94	H	239.043 776 59	−28.205 381 63		2.46	−14.23	−25.76	1.49	0.95	1.73	1.48	1.38	−	5	−36	−28	+16	−24	+12	−	8	+47	−20	−43		2	0.20	
78055	15 56 12.09	+10 17 50.8	7.26	1 H	239.050 366 84	+10.297 432 16		7.04	11.87	−18.73	0.87	0.84	1.24	1.33	1.15	−27	−10	−40	+	7	−15	−25	−22	+31	−37	−15		0	1.01	
78056	15 56 12.47	−09 43 21.9	8.74	H	239.051 972 30	−09.722 747 33		0.05	−7.92	1.49	1.26	0.72	1.29	1.43	1.12	−	8	−22	−17	+34	+	6	+	7	+13	+29	+	5	−11	0	1.37	
78057	15 56 12.51	−38 50 38.5	8.75	H	239.052 127 64	−38.844 021 55		0.72	−15.03	−6.33	0.91	0.69	1.13	0.98	0.85	−22	−28	−21	+	0	+15	−	7	+13	−	2	+	6	−38	0	0.78	
78058	15 56 14.00	−31 47 09.2	6.29	H	239.058 320 91	−31.785 892 60		19.81	47.83	4.25	0.72	0.51	0.87	1.01	0.79	−31	+	5	−13	+	6	+18	−	2	+20	+23	+	4	−25	2	−0.82	
78059	15 56 14.41	−14 23 57.2	6.32	G	239.060 024 30	−14.399 214 53		15.64	41.39	−77.19	0.74	0.47	0.79	0.81	0.66	−	4	−30	−13	+	8	−	4	+	8	+	2	+22	−15	−10	0	0.93	
78060	15 56 14.87	+14 45 03.2	8.28	H	239.061 972 32	+14.750 901 06		8.38	−38.27	−10.94	1.08	0.87	1.44	1.22	1.48	−	3	−57	−31	+47	+	2	−41	−40	−	2	+49	−62	0	0.52	
78061	15 56 15.37	+31 13 19.5	7.89	2 H	239.064 052 95	+31.222 079 33		1.80	−13.54	−1.01	0.51	0.60	0.90	0.56	0.67	+13	−	8	+	6	+10	+	8	−22	+	9	−	8	−18	+	5	2	−0.65	
78062	15 56 18.79	−66 25 24.6	8.94	H	239.078 272 32	−66.423 492 99		1.60	−15.91	−13.00	0.74	0.97	1.39	0.80	1.26	+	2	−20	−	7	−36	−	6	+	2	−	8	+	3	+	4	+	3	0	0.47	
78063	15 56 20.23	+63 48 58.1	9.54	G	239.084 299 26	+63.816 140 05		22.93	−122.84	185.31	0.82	0.88	0.91	0.93	1.02	+19	−	6	−	8	−	6	−	1	−13	−	1	−	3	−17	+22	1	0.69	
78064	15 56 20.67	−16 45 55.4	9.40	H	239.086 123 86	−16.765 386 40		8.30	31.86	−19.38	1.37	0.73	1.49	1.84	1.23	+	3	−25	−11	+12	+	3	+11	+11	+23	−30	+12		0	0.37	
78065	15 56 21.40	−14 01 19.5	9.80	G	239.089 180 06	−14.022 077 77		−0.49	−40.94	−35.89	1.56	0.84	1.68	1.63	1.34	+	1	−34	−21	+11	−	1	+15	+10	+23	−10	−23		0	2.07	
78066	15 56 21.58	+01 15 58.5	9.83	G	239.089 932 41	+01.266 252 84		7.72	11.41	2.34	1.48	1.23	1.64	2.00	2.01	−53	−12	+	5	+52	−40	+16	−37	+55	−28	−45		0	1.84	
78067	15 56 22.79	+20 25 07.4	8.45	H	239.094 970 46	+20.418 713 57		13.24	−56.58	8.27	0.89	0.82	1.18	0.92	1.04	−	6	−19	−	8	+12	−44	+10	−50	+40	+	0	−	4	0	0.08	
78068	15 56 24.26	+24 20 52.5	8.98	H	239.101 064 94	+24.347 913 85		3.22	3.48	−0.56	0.74	0.93	1.35	0.92	1.17	−17	−	9	−16	+34	−16	+	4	−16	+23	+13	−14		0	0.58	
78069	15 56 24.80	+25 10 33.4	8.41	G	239.103 344 31	+25.175 949 35		9.52	−43.82	26.94	0.53	0.63	1.04	0.66	0.83	+34	−	3	+	5	+	0	+	3	+15	+	2	+	8	+17	+40	1	−0.71	
78070	15 56 26.34	+21 14 45.3	7.96	H	239.109 755 35	+21.245 919 34		3.20	−5.64	−28.35	0.86	0.78	1.12	0.87	0.90	+22	−28	−19	−	8	−38	+	0	−36	+21	−	7	+10		0	−0.15	
78071	15 56 26.80	−69 51 55.7	9.94	H	239.111 659 19	−69.865 473 80		0.75	−19.10	−34.89	0.88	1.14	1.51	1.03	1.52	+36	−22	−	1	+14	+24	−	7	+22	+38	−	1	+45	2	1.54	
78072	15 56 26.99	+15 39 53.0	3.85	G	239.112 475 98	+15.664 733 27		89.92	311.20	−1282.17	0.74	0.52	0.72	0.83	0.72	+	6	−31	−10	+41	+	7	−	2	+	9	+23	−	8	−	2	0	−0.99	
78073	15 56 27.02	−72 48 03.3	8.93	H	239.112 598 60	−72.800 914 87		0.91	−15.22	−15.33	0.69	0.82	1.09	0.77	1.07	+26	−	7	+10	+	4	+	3	+	0	+	1	+18	+	1	+34	0	0.30	
78074	15 56 27.38	+37 30 32.2	10.52	H	239.114 070 47	+37.508 939 23		21.59	−9.23	36.38	1.00	1.14	1.38	1.11	1.31	+	8	−	6	+	4	−13	−14	+10	−	8	+13	−	5	−19	0	−0.28	
78075	15 56 28.93	+13 53 30.6	8.95	H	239.120 534 33	+13.891 822 22		6.14	12.25	−149.44	1.24	1.07	1.48	2.12	1.60	−	4	+	0	−22	+30	+20	−31	+13	+	6	+14	−11	0	−0.57	
78076	15 56 29.43	−71 57 24.0	8.78	H	239.122 632 56	−71.956 652 79		−0.13	−7.73	−1.88	0.67	0.79	1.08	0.66	0.96	+29	−23	−	9	+	6	+	3	−	1	+	3	+16	−	1	+28	0	−0.22	
78077	15 56 31.90	+37 21 39.8	8.91	H	239.132 917 02	+37.361 052 77		4.46	−25.82	−5.69	0.72	0.75	0.95	0.86	0.95	+	5	−	1	+	1	−	7	−	6	+14	−	6	+	3	−	3	−	2	2	2.71	
78078	15 56 33.33	−14 49 45.7	6.11	H	239.138 878 91	−14.829 352 89		18.89	71.62	−35.20	0.73	0.45	0.78	0.83	0.67	−	8	−25	−10	−	2	−	2	−	2	+	1	+11	−16	−	9	0	−0.24	
78079	15 56 34.48	−70 55 09.5	8.23	H	239.143 656 89	−70.919 295 60		8.65	−50.48	25.78	0.54	0.69	0.95	0.55	0.84	+	8	−23	−	2	−14	+	9	−	2	+12	+	5	+	0	+	2	2	0.10	
*78080	15 56 36.89	−00 54 30.5	9.32	H	239.153 692 16	−00.908 465 13		5.58	−18.43	−30.96	1.20	0.88	1.39	1.59	1.29	−50	−	9	+21	+42	−15	+21	−13	+25	+	2	−23		0	0.47	
*78081	15 56 36.85	−08 53 52.3	9.73	G	239.153 520 85	−08.897 852 29		−1.49	−17.87	−6.50	1.57	0.90	1.74	1.50	1.30	−20	−49	−	6	+15	+	1	−	1	+17	+21	−30	−18	2	−0.21	
78082	15 56 37.26	−20 25 49.7	8.51	H	239.155 238 23	−20.430 465 75		4.47	−18.47	6.05	1.08	0.55	1.20	1.31	1.05	−12	−29	−	7	+	1	−15	+17	−	9	+35	−28	−18		0	0.98	
78083	15 56 37.57	−24 20 09.7	9.32	G	239.156 547 79	−24.336 023 27		5.15	16.81	−1.89	1.37	0.70	1.58	1.81	1.34	−10	−24	−	3	−	9	−	8	+	7	−	8	+28	−32	+	4	0	0.15	
78084	15 56 38.90	−12 55 23.0	9.92	H	239.162 064 53	−12.923 056 79		1.21	−12.82	−8.54	1.54	0.85	1.67	1.86	1.33	−	5	−15	+	1	+17	+	4	+25	+	8	+23	−18	−	4	0	−0.16	
78085	15 56 39.21	−42 33 47.0	9.52	H	239.163 370 91	−42.563 047 87		11.49	−106.33	−39.58	1.07	0.79	1.34	1.22	1.07	−16	−17	−	9	+	1	−	6	−17	−	4	+25	−20	−18	0	0.89	
78086 H	15 56 40.17	−50 03 39.2	10.41	H	239.167 378 34	−50.060 889 39	A	5.16	29.11	−1.15	4.13	3.39	4.77	4.46	4.20	+	0	−22	−	5	+	0	+	2	+	0	+	2	+13	−	1	+21	0	0.43	
78087	15 56 40.60	−45 39 52.7	9.36	H	239.169 157 84	−45.664 628 76		5.74	−33.20	−24.85	1.08	0.91	1.40	1.47	1.29	−	8	−20	−17	+19	−	5	+22	+	0	+39	−13	−	7	0	0.65	
*78088	15 56 41.37	+05 54 40.4	7.38	H	239.172 365 46	+05.911 213 66		5.09	13.57	−52.01	0.97	0.72	1.23	1.32	1.44	−18	−43	−	6	+49	−	2	−39	−24	+13	+44	−52		0	0.01	
*78089	15 56 41.36	−04 14 19.6	11.90	G	239.172 336 71	−04.238 764 33		27.29	147.69	−124.82	3.69	2.78	4.24	4.36	4.30	−24	−30	−	8	+25	−	3	+	7	+	0	+28	+10	−36	6	1.13	
78090	15 56 41.66	−43 28 37.7	9.71	H	239.173 599 05	−43.477 126 90		4.39	−29.28	6.98	1.45	0.98	1.61	1.98	1.44	−	2	−16	−	1	+32	+20	+	2	+24	+23	−11	+18	0	−1.14	
78091 H	15 56 41.77	−48 01 30.4	9.86	H	239.174 024 09	−48.025 122 23	*	5.37	0.31	−4.38	1.48	1.42	1.90	1.90	1.85	−24	+	0	−30	+22	−16	+	8	−	9	+48	−	3	−38	0	1.08	
78092	15 56 41.90	−42 19 23.1	8.30	2 H	239.174 577 85	−42.323 072 41		5.04	−11.20	−26.13	0.97	0.68	1.18	1.03	0.92	−10	−29	−15	+	6	−	7	−20	−	1	+30	−13	−28	0	−0.55	
78093	15 56 42.31	−34 25 53.6	8.96	G	239.176 283 37	−34.431 551 95	A	2.28	−39.88	−22.84	2.43	1.62	2.27	2.46	1.89	−15	−24	−16	+12	+	2	−10	+	2	+18	−	4	−11	18	3.39	
78094	15 56 42.32	−37 49 15.3	11.09	3 H	239.176 332 32	−37.820 908 77		4.34	−10.73	−23.16	3.01	2.08	3.56	3.80	2.14	−32	−25	−	7	+	6	+37	−19	+35	−20	+	1	−	8	6	0.35	
78095	15 56 43.46	−34 25 35.0	10.03

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
78001	8.755	0.008	8.213	0.007		0.508	0.010	T	0.58	0.01	L	8.2811	0.0010	0.015	247		8.25	8.31					1							S
78002	7.940	0.011	7.413	0.008	*	0.498	0.011	G	0.57	0.01	H *	7.4538	0.0010	0.009	91	*	7.44	7.47		D	15557−2645	I 1	2 C A	AS	195	0.234	0.004	0.48	0.09	S
78003	8.350	0.013	7.076	0.008		1.085	0.012	T	1.05	0.01	L	7.1113	0.0011	0.010	75		7.09	7.12		C			1							S
78004	6.819	0.005	6.829	0.006		−0.008	0.007	T	0.01	0.01	L	6.8401	0.0013	0.010	91		6.82	6.86					1							S
78005	8.249	0.011	8.241	0.014		0.017	0.015	G	0.00	0.01	L	8.2544	0.0015	0.015	88		8.23	8.28		C			1							
78006	8.439	0.010	8.049	0.011		0.369	0.014	T	0.43	0.01	L	8.1218	0.0018	0.021	95		8.09	8.16					1							S
78007	10.808	0.042	10.027	0.034		0.650	0.015	G	0.71	0.01	H	10.1545	0.0029	0.030	128		10.10	10.21		C			1							
78008	10.116	0.035	9.443	0.030		0.612	0.035	T	0.68	0.03	L	9.5294	0.0025	0.014	91		9.49	9.56					1							
78009	11.116	0.059	10.636	0.061		0.452	0.077	T	0.52	0.08	L	10.7008	0.0035	0.033	94		10.65	10.76					1							G
78010	8.380	0.010	7.842	0.010		0.526	0.003	G	0.60	0.00	H	7.8869	0.0014	0.009	88		7.87	7.90		C			1							S
78011	9.917	0.030	7.999	0.013		1.592	0.026	T	1.61	0.03	L	7.9246	0.0017	0.011	71		7.90	7.95					1							S
78012	5.845	0.003	5.473	0.003		0.352	0.004	T	0.41	0.00	L	5.5175	0.0005	0.006	142		5.51	5.53		C	15558+3757	I 1	1							S
78013	9.904	0.020	8.589	0.012		1.117	0.018	T	1.08	0.02	L	8.6171	0.0016	0.015	139		8.59	8.64		C			1							
78014	10.139	0.029	9.366	0.025		0.688	0.029	T	0.75	0.02	L	9.4860	0.0035	0.023	90		9.45	9.52					1							
78015	11.685	0.073	10.792	0.054		0.795	0.068	T	0.83	0.05	L	10.8799	0.0044	0.055	200		10.79	10.98			15558+2912	I 1	1 X							G
78016	11.062	0.047	9.224	0.017		1.529	0.040	T	1.57	0.09	L	9.1646	0.0023	0.021	130		9.13	9.21		C			1							
78017	6.259	0.003	6.302	0.004		−0.028	0.005	G	−0.01	0.01	H	6.3081	0.0008	0.007	114		6.30	6.32		C			1							S
78018	9.682	0.021	8.335	0.012		1.142	0.019	T	1.11	0.02	L	8.3705	0.0014	0.012	90		8.36	8.40					1							
78019	10.908	0.065	8.964	0.021		1.613	0.054	T	1.63	0.06	L	8.9707	0.0022	0.022	65		8.94	9.00					1							
78020	9.131	0.014	7.898	0.009		1.024	0.142	G	1.16	0.02	A	7.9151	0.0010	0.009	96		7.90	7.94					1							
78021	11.473	0.069	10.971	0.075		0.583	0.072	G	0.65	0.07	R	10.8655	0.0036	0.036	113		10.77	10.92		U			1							G
78022	10.162	0.022	9.577	0.020		0.546	0.026	T	0.62	0.02	L	9.6519	0.0018	0.022	174		9.61	9.70					1							
78023	9.899	0.025	9.418	0.026		0.465	0.028	T	0.54	0.03	L	9.4803	0.0032	0.023	88		9.44	9.53					1							G
78024	7.464	0.008	6.806	0.009	*	0.610	0.010	T	0.68	0.01	L *	6.8994	0.0016	0.014	81	*	6.89	6.93		D	15559−0210	I 1	2 C A	AB	350	5.991	0.005	1.69	0.02	S
78025	11.313	0.079	10.157	0.048		0.993	0.072	T	0.97	0.06	L	10.1123	0.0050	0.031	78		10.07	10.17		C			1							G
78026	8.699	0.012	8.004	0.011		0.629	0.012	T	0.70	0.01	L	8.0720	0.0017	0.013	100		8.05	8.09		C			1							
78027	8.824	0.013	7.547	0.008		1.087	0.012	T	1.05	0.01	L	7.5806	0.0013	0.015	105		7.56	7.61					1							S
78028	9.394	0.015	8.697	0.013		0.643	0.016	T	0.71	0.01	L	8.7644	0.0017	0.019	128		8.74	8.81		C			1							S
78029											T	11.5791	0.0051	0.043	50		11.44	11.64		D			1 S							G
78030	9.532	0.020	8.706	0.017		0.744	0.020	T	0.79	0.01	L	8.7756	0.0017	0.015	63		8.74	8.80					1							
78031	10.104	0.030	9.284	0.025		0.724	0.030	T	0.78	0.02	L	9.2895	0.0023	0.016	84		9.26	9.31		C			1 S							
78032	9.310	0.015	8.765	0.014		0.511	0.018	T	0.58	0.02	L	8.8398	0.0019	0.018	91		8.81	8.86					1							
78033	9.074	0.014	8.613	0.013		0.435	0.017	T	0.50	0.02	L	8.6596	0.0018	0.015	130		8.63	8.69		D			1 S							S
78034	10.750	0.047	10.950	0.102		−0.174	0.097	T	−0.18	0.12	L	10.5238	0.0048	0.045	150		10.45	10.60		U 2			1 X S							G
78035	9.957	0.024	9.398	0.024		0.528	0.025	T	0.60	0.03	L	9.4864	0.0023	0.018	95		9.46	9.52		C			1							
78036	8.013	0.008	7.965	0.011	*	0.049	0.013	T	0.06	0.01	L *	7.9434	0.0013	0.012	114	*	7.92	7.97		D	15560−6004	I 1	2 C A	AB	232	0.644	0.005	1.95	0.02	S
78037	8.939	0.014	8.898	0.018		0.078	0.005	G	0.09	0.01	H	8.8835	0.0031	0.017	78		8.84	8.91					1							
78038	9.303	0.016	8.085	0.010		1.040	0.007	G	1.01	0.01	H	8.1580	0.0011	0.015	173		8.13	8.19					1							S
78039	11.102	0.069	10.189	0.048		0.846	0.004	G	0.89	0.00	H	10.2702	0.0041	0.026	71		10.22	10.30		C			1							
78040	10.579	0.042	9.931	0.037		0.650	0.020	G	0.71	0.02	H	10.0615	0.0029	0.020	69		10.02	10.09		C			1							
78041	7.871	0.008	7.650	0.007		0.211	0.010	T	0.23	0.01	L	7.6878	0.0009	0.010	88		7.67	7.70			15561−2556	I 1	1							S
78042	7.189	0.005	7.060	0.006		0.117	0.007	T	0.13	0.01	L	7.0976	0.0012	0.010	97		7.08	7.11					1							S
78043	9.492	0.018	9.000	0.018		0.474	0.020	T	0.55	0.02	L	9.0787	0.0022	0.015	87		9.05	9.11					1							
78044	9.563	0.023	7.829	0.011		1.446	0.020	T	1.44	0.03	L	7.8001	0.0014	0.014	68		7.78	7.82		C			1							S
78045	5.860	0.003	5.763	0.003		0.087	0.004	T	0.10	0.00	L	5.7928	0.0004	0.005	103		5.78	5.80		C			1 G							S
78046	6.194	0.004	6.051	0.004		0.130	0.005	T	0.14	0.01	L	6.0857	0.0008	0.006	85		6.08	6.10		C	15561−3952	I 1	1							S
78047	11.794	0.186	10.219	0.068		1.321	0.156	T	1.28	0.18	L	10.2164	0.0040	0.025	56		10.14	10.26					1							
78048	8.325	0.010	7.889	0.010		0.412	0.013	T	0.48	0.01	L	7.9471	0.0014	0.013	113		7.92	7.97					1							S
78049	10.665	0.045	9.955	0.037		0.684	0.015	G	0.74	0.01	H	10.0353	0.0030	0.027	82		9.98	10.09		C			1							
78050	10.212	0.025	9.132	0.017		0.934	0.023	T	0.93	0.02	L	9.2009	0.0021	0.021	141		9.17	9.24		C			1							
78051	9.904	0.014	8.829	0.010		0.931	0.013	T	0.93	0.01	L	8.8843	0.0016	0.023	243		8.85	8.93					1							
78052	10.509	0.043	8.669	0.017		1.530	0.037	T	1.57	0.08	L	8.6099	0.0022	0.019	63		8.58	8.64					1							
78053											T *	11.7194	0.0215	0.168	98	*	11.39	12.08		U 2	15562−3756	H 1	2 C C	AB	98	0.458	0.045	0.84	0.06	D P
78054	10.621	0.044	10.026	0.040		0.555	0.052	T	0.63	0.05	L	10.0559	0.0028	0.024	90		10.01	10.09		C			1							G
78055	8.715	0.015	7.388	0.010		1.126	0.014	T	1.09	0.01	L	7.4293	0.0012	0.011	61		7.40	7.46		M			1							S
78056	10.328	0.042	8.874	0.022		1.226	0.037	T	1.18	0.04	L	8.9045	0.0021	0.012	69		8.88	8.93		C			1 S							
78057	10.496	0.034	8.902	0.016		1.336	0.030	T	1.30	0.04	L	8.9017	0.0015	0.015	99		8.87	8.94		C			1							
78058	6.819	0.004	6.342	0.004		0.462	0.004	T	0.53	0.00	L	6.3955	0.0006	0.006	114		6.39	6.41					1							S
78059	6.890	0.004	6.376	0.004		0.485	0.005	G	0.56	0.01	H	6.4277	0.0009	0.007	95		6.42	6.44					1							S
78060	8.727	0.014	8.326	0.014		0.400	0.001	G	0.47	0.00	H	8.3730	0.0017	0.015	69		8.35	8.41		C			1							S
78061	10.042	0.017	8.089	0.007		1.655	0.015	T	2.11	0.05	O	7.9550	0.0042	0.049	188		7.89	8.05		U 2			1							S
78062	10.719	0.039	9.061	0.017		1.386	0.034	T	1.36	0.04	L	9.0845	0.0020	0.023	142		9.05	9.14					1							
78063	10.715	0.043	9.622	0.026		0.890	0.015	G	0.93	0.01	H	9.6798	0.0023	0.020	105		9.65	9.71		C			1							
78064	10.175	0.033	9.507	0.029		0.608	0.033	T	0.68	0.03	L	9.5297	0.0027	0.022	85		9.49	9.56					1							
78065	10.886	0.061	9.949	0.042		0.888	0.015	G	0.89	0.01	H	9.9500	0.0026	0.021	81		9.92	9.99		C			1							
78066	10.452	0.043	9.798	0.038		0.600	0.020	G	0.67	0.02	H	9.9462	0.0037	0.021	61		9.91	9.97		C			1							
78067	9.055	0.014	8.520	0.013		0.502	0.017	T	0.57	0.02	L	8.5655	0.0024	0.019	118		8.54	8.61					1							S
78068	10.261	0.025	9.107	0.016		0.991	0.023	T	0.97	0.02	L	9.1490	0.0023	0.020	136		9.11	9.19					1							
78069	9.037	0.009	8.472	0.008		0.510	0.015	G	0.58	0.02	H	8.5197	0.0013	0.017	201		8.49	8.56		C			1							S
78070	9.958	0.025	8.144	0.011		1.510	0.022	T	1.54	0.03	L	8.0789	0.0018	0.016	99		8.04	8.11					1							S
78071	10.371	0.022	9.879	0.022		0.463	0.028	T	0.53	0.03	L	10.0401	0.0032	0.036	213		9.98	10.10					1 S							G
78072						0.478	0.006	G	0.54	0.02	G	3.9456	0.0008	0.005	54		3.94	3.96			15564+1540	I 1	1							S
78073	9.851	0.016	9.007	0.013		0.758	0.016	T	0.80	0.01	L	9.0773	0.0025	0.029	191		9.03	9.12					1							
78074	12.082	0.141	10.656	0.060		1.204	0.120	T	1.16	0.12	L	10.6753	0.0029	0.032	138		10.62	10.74					1							G
78075	9.852	0.028	9.031	0.022		0.740	0.027	T	0.79	0.02	L	9.0922	0.0034	0.021	59		9.05	9.12					1							S
78076	10.703	0.031	8.911	0.012		1.492	0.026	T	1.52	0.04	L	8.9087	0.0020	0.021	174		8.87	8.94					1							
78077	10.285	0.026	9.059	0.016		1.047	0.024	T	1.02	0.02	L	9.0820	0.0021	0.018	139		9.04	9.11		C			1 S							
78078	6.401	0.004	6.146	0.004		0.243	0.005	T	0.27	0.01	L	6.1824	0.0009	0.007	94		6.17	6.20		C			1							S
78079	8.752	0.009	8.289	0.009		0.450	0.010	T	0.52	0.01	L	8.3336	0.0015	0.016	181		8.30	8.37					1							
78080	9.857	0.022	9.383	0.021		0.446	0.028	T	0.52	0.03	L	9.4179	0.0028	0.022	103		9.39	9.46		C			1							
78081	11.334	0.091	9.880	0.040		1.245	0.015	G	1.20	0.01	H	9.8841	0.0028	0.022	85		9.85	9.91		C			1							
78082	9.883	0.027	8.638	0.016		1.062	0.025	T	1.03	0.02	L	8.6748	0.0012	0.011	88		8.65	8.69					1							
78083	10.055	0.029	9.428	0.026		0.573	0.020	G	0.65	0.02	H	9.4535	0.0027	0.023	90		9.42	9.49		C			1							
78084	11.697	0.114	9.990	0.041		1.425	0.096	T	1.41	0.15	L	10.0581	0.0030	0.029	87		10.00	10.11		C			1							
78085	10.247	0.029	9.599	0.027		0.594	0.029	T	0.66	0.03	L	9.6475	0.0021	0.019	101		9.62	9.68		C			1							G
78086	11.255	0.084	10.613	0.076	*	0.596	0.098	T	0.67	0.09	L *	10.5429	0.0039	0.038	87	*	10.48	10.60		D	15567−5004	H 1	2 C A	AB	344	0.742	0.009	1.02	0.05	G
78087	9.876	0.022	9.355	0.022		0.498	0.023	T	0.57	0.02	L	9.4676	0.0018	0.019	88		9.44	9.50		C			1							
78088	8.808	0.016	7.500	0.010		1.111	0.015	T	1.07	0.02	L	7.5486	0.0020	0.012	67		7.53	7.57					1							S
78089						1.493	0.015	G	2.02	0.09	I	12.0033	0.0114	0.074	63		11.82	12.10					1							G
78090	11.187	0.068	9.779	0.032		1.188	0.061	T	1.15	0.06	L	9.8465	0.0036	0.027	95		9.81	9.89		C			1							G
78091	10.970	0.061	9.953	0.037	*	0.887	0.053	T	0.89	0.04	L *	10.0193	0.0043	0.034	89	*	9.97	10.07			15567−4802	H 1	2 C S A	AB	352	0.181	0.011	0.40	0.37	G
78092	9.211	0.014	8.407	0.012		0.727	0.014	T	0.78	0.01	L	8.4462	0.0024	0.027	91		8.42	8.51		U 2 C			1 S							
78093	9.444	0.018	8.931	0.018	A	0.443	0.015	G	0.51	0.02	H	9.0657	0.0138	0.042	105	A	8.89	9.10		D	15567−3426	I 2	1 C P A							
78094	11.789	0.142	11.447	0.160							T	11.1677	0.0929	0.466	87		10.62	12.50		U 2			1							G
78095	11.794	0.136	10.213	0.052	B	1.326	0.115	T	1.29	0.13	L	10.1455	0.0295			B				D	15567−3426	I 2	1 C I A							
78096	9.458	0.018	7.888	0.010		1.317	0.016	T	1.28	0.02	L	7.8818	0.0013	0.008	88		7.87	7.90		C			1							S
78097	8.185	0.080	7.726	0.054	B	0.407	0.015	G	0.47	0.02	H *	7.0193	0.0012	0.008	60	*	7.01	7.04		D	15568+1229	I 1	2 C A	AB	253	2.027	0.003	0.30	0.01	S
78098	11.391	0.085	9.842	0.036		1.303	0.076	T	1.26	0.08	L	9.9773	0.0020	0.025	90		9.92	10.02					1							G
78099	7.975	0.009	7.761	0.010		0.198	0.013	T	0.22	0.01	L	7.7992	0.0010	0.010	91		7.79	7.82		C			1							S
78100											T	11.3807	0.0043	0.033	103		11.31	11.44		C			1							G

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
1 2	h m s	±° ′ ″	mag		deg	deg	mas	mas/yr		mas		mas	mas/yr		19	20	21	22	23	24	25	26	27	28	%	
	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18											29	30
78101	15 56 48.50	+49 00 42.6	9.22	H	239.202 079 34	+49.011 828 11	0.47	0.72	1.24	0.84	0.82	0.95	0.89	1.02	– 1	+14	– 8	–26	– 6	–11	+ 1	+10	+10	–21	1	–0.92
78102 H	15 56 48.84	+35 30 14.9	8.94	G	239.203 515 26	+35.504 141 32 A	10.62	–184.96	76.24	1.67	1.81	2.21	1.79	1.91	+ 4	– 1	–18	+ 5	–11	+18	– 6	+18	+ 5	–18	3	2.53
78103	15 56 51.19	–22 13 11.8	8.66	H	239.213 296 39	–22.219 936 51	10.93	9.46	–40.85	1.31	0.65	1.53	1.71	1.42	–12	–37	–11	+ 8	– 5	–20	+ 7	+28	+ 8	–56	5	0.78
78104	15 56 53.09	–29 12 50.4	3.87	H	239.221 194 38	–29.214 012 21	7.97	–15.20	–25.10	0.76	0.50	0.87	0.70	0.67	–14	–52	–16	+10	–28	+20	–20	+40	– 7	–33	0	1.56
78105	15 56 53.48	–33 57 57.7	5.14	G	239.222 839 60	–33.966 022 25 A	16.35	23.80	–45.97	1.98	1.39	2.04	2.55	1.80	–18	–18	–24	+ 2	–10	–18	– 9	+36	+ 5	–31	17	0.77
78106	15 56 54.11	–33 57 51.0	5.59	H	239.225 438 43	–33.964 159 99 B	16.64	20.26	–49.68	5.49	4.22	3.12	3.90	3.03	–16	–13	–28	– 1	–17	– 3	–12	+39	– 9	–30	17	0.77
78107	15 56 55.44	–12 58 09.8	9.98	H	239.231 013 45	–12.969 382 90	6.10	– 6.59	–26.84	1.74	0.92	1.86	2.08	1.46	– 3	–14	+ 4	+21	+ 6	+22	+10	+24	–21	+ 1	0	0.07
78108	15 56 55.82	–62 58 17.0	8.46	H	239.232 578 05	–62.971 399 46	5.37	–16.42	–26.53	0.72	0.88	1.15	0.97	1.17	–13	–10	+ 1	+26	+ 6	–10	+ 6	+42	+ 2	–15	2	0.49
78109	15 56 56.31	–56 00 10.8	8.67	H	239.234 633 95	–56.003 000 34	0.25	– 3.22	–10.19	0.88	0.80	1.25	1.23	1.06	+ 2	– 8	–22	– 5	+19	–32	+ 8	+24	–14	+24	4	0.95
78110	15 56 57.69	+20 02 18.0	8.26	H	239.240 361 60	+20.038 336 66	9.06	–30.06	–13.72	0.75	0.80	1.14	0.77	0.89	+10	–15	–32	–18	–53	+25	–51	+33	–10	+ 3	0	2.75
78111	15 56 58.83	–59 25 01.0	7.79	H	239.245 137 37	–59.416 937 19	3.52	12.20	–22.90	0.77	0.75	0.97	0.89	0.90	+15	– 5	+ 2	+65	+31	+ 0	+32	+61	–16	+10	1	0.05
78112	15 57 00.01	–30 56 59.2	8.91	H	239.250 058 08	–30.949 789 68	3.03	–12.99	– 2.78	1.08	0.68	1.42	1.44	1.21	–48	–23	+ 4	– 3	+ 7	–34	+17	+20	– 1	–45	0	–2.12
78113	15 57 00.32	+20 35 41.6	10.00	G	239.251 340 09	+20.594 877 02	15.13	107.54	–235.23	1.26	1.24	1.91	1.40	1.42	+15	–30	–16	+ 1	–36	+21	–34	+28	+ 7	+12	0	2.36
78114	15 57 00.87	–00 44 42.8	7.53	H	239.253 622 72	–00.745 215 35	1.45	– 3.28	– 8.09	0.81	0.60	0.93	1.02	0.83	–53	–13	+ 5	+42	–28	+28	–29	+42	+ 2	–33	0	–0.99
78115	15 57 02.82	–15 28 42.7	9.87	H	239.261 733 07	–15.478 523 99	2.00	–11.57	–23.02	1.53	0.78	1.49	1.76	1.24	+12	–27	–10	–11	– 6	– 5	– 5	+15	–13	+ 9	0	–0.43
78116	15 57 02.91	–02 59 19.3	8.97	H	239.262 135 88	–02.988 685 24	7.23	– 4.22	2.07	1.33	0.77	1.41	1.53	1.24	–18	–41	+ 6	+29	+ 8	+14	+19	+17	–20	–23	0	1.58
78117	15 57 03.95	–48 09 42.9	6.31	H	239.266 452 46	–48.161 919 45	20.22	–104.90	–109.76	0.64	0.56	0.87	0.72	0.73	–10	–28	–41	+13	–12	– 7	– 7	+35	– 5	–46	0	0.69
78118	15 57 05.05	–35 55 39.2	6.91	H	239.271 049 08	–35.927 555 92	7.46	– 8.99	–18.03	0.72	0.50	0.85	0.96	0.66	–26	–19	+ 2	+24	+ 3	+ 4	+ 4	+32	–18	– 7	0	1.04
*78119	15 57 05.27	–68 39 02.8	9.75	H	239.271 975 06	–68.650 788 37	–0.31	– 4.72	–25.40	0.64	0.95	1.36	0.77	1.18	+31	–14	–18	+11	+ 4	–13	+ 3	+25	–18	+37	0	2.84
*78120	15 57 05.20	–16 02 03.6	6.53	2 H	239.271 677 72	–16.034 327 62	3.96	9.57	–33.44	0.84	0.44	0.86	1.00	0.69	+11	–30	– 9	+ 0	– 3	– 5	+ 3	+12	–29	+23	0	1.46
78121	15 57 07.49	–06 49 41.4	7.95	H	239.281 204 20	–06.828 170 13	6.72	–29.28	–19.46	0.96	0.68	1.04	1.13	0.90	–23	–26	–20	+31	– 9	+13	+ 2	+31	–27	–24	0	–0.95
78122	15 57 07.96	–10 53 16.5	7.68	H	239.283 152 32	–10.887 925 35	4.52	–13.34	–16.70	0.87	0.55	0.93	1.04	0.79	–16	– 8	–17	+34	+ 1	+25	+11	+28	– 2	–14	0	–0.04
78123	15 57 08.09	–21 34 49.8	8.82	G	239.283 696 02	–21.580 490 76	13.33	–54.60	–25.57	1.24	0.79	1.35	1.79	1.63	–28	–23	–14	+32	–32	+ 9	–20	+53	– 3	–59	0	–0.84
78124	15 57 08.62	–06 17 47.9	7.19	H	239.285 935 18	–06.296 625 08	8.51	3.53	– 2.70	0.87	0.58	0.99	1.23	0.98	–31	–27	–14	+12	+ 6	–26	– 1	+ 4	+17	–41	0	–1.32
78125	15 57 09.30	–05 23 53.9	7.99	G	239.288 738 33	–05.398 307 12	14.48	–31.16	–13.65	1.18	0.72	1.36	1.66	1.20	–31	–37	– 3	+ 0	+ 8	–31	– 1	+ 1	+21	–36	0	0.45
78126	15 57 10.18	–46 22 44.9	9.78	H	239.292 403 84	–46.379 132 72	3.04	–19.20	–23.00	1.17	0.95	1.54	1.22	1.17	– 6	–35	–26	+14	+ 2	– 5	+ 9	+34	–18	–24	0	0.78
78127	15 57 10.32	–69 12 38.4	10.18	H	239.292 984 22	–69.210 660 70 A	–3.17	– 1.36	– 2.63	1.93	2.84	3.58	2.18	3.37	+31	–18	–19	+13	+ 9	–21	+ 6	+35	–21	+37	6	2.53
78128	15 57 12.58	+07 46 39.6	9.44	G	239.302 418 03	+07.777 674 79	12.66	–122.72	–145.91	1.24	1.03	1.45	1.56	1.40	–22	–22	+ 4	+17	– 5	– 3	+ 0	+ 9	–17	– 6	0	2.16
78129	15 57 12.68	–21 29 08.3	7.13	H	239.302 852 66	–21.485 647 47	4.30	–13.58	–14.11	0.92	0.58	1.01	1.20	1.08	–34	–31	– 9	+29	–30	+13	–19	+52	– 7	–57	0	–0.62
78130	15 57 13.69	–27 38 32.8	7.29	G	239.307 051 47	–27.642 432 81	14.49	–34.15	–52.82	0.82	0.46	0.99	0.78	0.68	– 2	–48	–14	– 6	– 7	+33	+17	+26	–35	–35	0	–0.63
78131	15 57 14.49	+03 24 27.6	8.93	H	239.310 392 63	+03.407 655 97 B	6.63	–29.99	7.00	9.25	7.34	4.85	6.96	6.79	–27	–20	–10	+26	– 6	–32	– 7	+15	+33	–54	0	1.52
78132	15 57 14.64	+14 24 51.4	5.54	G	239.311 019 48	+14.414 268 05	14.36	–120.83	87.25	0.70	0.57	0.80	0.90	0.98	–24	–29	–12	+38	– 3	–27	–17	+ 7	+27	–52	0	–0.41
78133 H	15 57 14.71	–41 30 20.2	10.12	2 H	239.311 290 49	–41.505 609 94 A	6.04	–17.03	–25.71	3.64	2.53	3.97	3.80	3.07	+ 5	– 9	+ 6	+15	+ 4	–18	+13	+32	– 1	– 4	1	1.24
78134	15 57 14.94	+03 24 19.2	7.30	G	239.312 230 26	+03.405 321 13 A	7.58	–28.09	10.43	1.59	1.27	1.50	2.06	2.15	–30	–25	– 4	+34	– 9	–30	–11	+20	+33	–54	0	1.52
78135	15 57 15.12	+17 11 09.3	7.99	H	239.312 983 36	+17.185 922 74	2.26	– 3.39	10.57	1.05	0.75	1.19	1.02	0.95	–15	–54	– 3	+29	– 3	+ 0	+10	+14	–23	–20	0	0.59
78136	15 57 17.68	–29 59 45.7	8.05	H	239.323 686 31	–29.996 016 14	16.32	–41.84	–63.02	0.90	0.62	1.10	1.23	1.16	–38	+ 0	–14	+20	–20	+ 2	–12	+45	– 5	–51	0	0.18
78137	15 57 18.19	–51 09 08.3	10.37	1 H	239.325 799 86	–51.152 310 28	–1.12	8.70	– 4.37	1.79	1.28	2.16	2.06	1.71	+22	–34	–23	+10	– 4	–15	– 3	+17	–14	+18	0	1.28
78138	15 57 18.44	+69 38 20.1	9.06	H	239.326 848 08	+69.638 923 60	3.60	–15.94	38.34	0.67	0.69	0.74	0.67	0.81	+ 5	– 9	– 3	– 1	+ 0	+ 1	+ 4	–19	– 2	0	–0.76
78139	15 57 18.99	+34 32 06.6	11.19	H	239.329 135 86	+34.535 156 05	21.06	–242.51	110.83	1.57	1.73	2.42	2.17	1.95	+ 6	+ 1	–14	+ 2	–17	+12	–16	–30	+ 4	– 6	0	1.68
78140	15 57 20.28	–52 07 21.7	9.52	H	239.334 481 25	–52.122 685 77	4.44	– 5.16	–12.47	1.22	0.91	1.41	1.48	1.25	+21	–26	–19	+30	+19	–17	+22	+24	–15	+35	2	0.34
78141	15 57 21.24	+02 13 51.2	10.03	H	239.338 489 80	+02.230 901 43	5.44	–12.57	–80.41	1.43	1.11	2.16	2.39	2.47	–31	–31	+16	+18	–26	–62	–32	+30	+50	–62	0	0.40
78142 H	15 57 21.33	–36 11 07.1	5.78	H	239.338 885 63	–36.185 313 80 A	3.51	– 9.83	–12.37	1.12	1.20	0.95	1.08	0.74	–19	– 7	– 1	+ 8	+ 5	– 9	+ 8	+10	–15	–13	2	–0.14
78143	15 57 22.95	–41 47 51.5	8.74	H	239.345 604 89	–41.797 645 89	10.07	–22.31	–43.72	1.03	0.73	1.25	1.03	0.90	– 3	–34	–36	+19	–10	–16	– 9	+38	– 8	–33	4	–0.67
78144	15 57 24.40	+18 36 44.0	11.41	2 H	239.351 674 75	+18.612 230 68	9.09	– 5.34	– 5.49	1.84	1.83	2.72	1.73	2.12	– 1	–11	+ 9	–38	–44	+ 8	–50	+25	+10	– 1	0	1.32
78145	15 57 24.60	–54 19 56.1	7.90	1 G	239.352 500 79	–54.332 249 57	1.43	– 2.85	– 1.52	0.73	0.65	0.90	0.94	0.87	–16	–22	–13	+ 9	– 5	– 2	– 3	+28	+ 2	–28	0	0.71
78146 H	15 57 26.92	+41 39 42.9	9.03	H	239.362 158 71	+41.661 910 63 A	7.33	–25.44	– 5.99	1.51	1.52	1.55	1.75	1.59	+20	– 1	–14	+27	+25	–13	+16	+30	– 6	+10	0	1.71
78147	15 57 26.93	+44 08 08.6	8.35	H	239.362 227 52	+44.135 730 47	4.29	18.68	– 7.61	0.66	0.61	0.74	0.67	0.68	– 2	– 7	– 7	– 3	+19	– 6	+20	– 8	+ 5	– 9	1	–0.54
78148	15 57 27.67	–09 32 41.4	9.56	G	239.365 290 44	–09.544 836 65	3.62	–14.02	18.32	1.52	0.82	1.56	1.62	1.19	–12	–29	–10	+32	+ 6	+16	+18	+27	–15	– 3	5	2.12
78149	15 57 28.52	–67 50 18.9	9.10	H	239.368 830 36	–67.838 585 20	0.22	– 4.73	– 4.66	0.73	0.92	1.29	0.83	1.10	+26	–19	–10	+34	+14	– 7	+12	+38	+ 1	+35	1	1.45
78150	15 57 28.54	–50 16 10.5	7.87	G	239.368 936 42	–50.269 588 02	6.85	–23.09	–30.96	0.84	0.65	1.08	1.26	1.04	+12	–12	–16	+13	+14	+ 0	+10	+18	+15	+38	4	0.79
78151	15 57 29.34	–32 47 07.6	8.94	H	239.372 233 36	–32.785 456 96	14.17	–110.35	–98.08	1.15	0.76	1.49	1.52	1.12	–16	– 8	–31	– 4	+19	–21	+18	+24	– 8	–21	0	–0.86
78152	15 57 29.48	+20 52 20.9	10.64	2 H	239.372 844 70	+20.872 462 72	8.34	9.49	–170.13	3.80	3.35	4.90	4.64	4.16	+13	–11	–12	+ 6	–13	+12	–13	+12	+ 6	+23	0	
78153	15 57 29.87	+39 41 41.9	6.30	H	239.374 476 50	+39.694 964 36	8.23	–65.19	49.98	0.47	0.51	0.62	0.56	0.61	+13	+ 9	+ 2	+ 8	+ 9	–18	+10	+17	– 6	+ 2	0	–2.03
78154	15 57 30.09	+16 44 10.1	10.03	H	239.375 359 59	+16.736 133 74	4.86	–13.11	13.69	1.62	1.16	1.71	1.88	1.55	+ 2	–10	–11	+53	+10	+28	+20	+24	–39	– 4	0	1.11
78155	15 57 30.20	+76 05 25.0	8.14	H	239.375 842 99	+76.090 264 38	9.45	–152.28	96.10	0.58	0.56	0.62	0.65	0.73	+14	–31	–18	–15	– 7	+12	– 5	+19	+ 1	+ 6	0	0.49
78156	15 57 33.12	–77 48 35.2	8.66	G	239.388 017 69	–77.809 771 26	4.66	–28.64	–43.56	0.70	0.81	1.00	0.76	1.00	+ 9	–29	+ 8	–23	+13	+ 4	+11	+27	–17	+25	1	–0.57
78157	15 57 33.75	+16 04 22.1	8.52	H	239.390 614 13	+16.072 806 90	3.90	– 4.91	–52.57	1.09	0.77	1.24	1.17	1.09	– 4	–46	– 5	+18	+ 6	+ 3	+23	+ 5	–35	+ 1	0	–1.21
78158	15 57 34.05	+34 32 21.8	10.82	H	239.391 894 67	+34.539 384 53	24.48	–233.47	107.70	1.62	1.60	2.34	2.06	2.10	+ 6	+ 6	+ 4	+ 6	–24	+12	–27	– 7	+ 1	– 9	6	2.01
78159	15 57 35.30	+26 52 40.9	4.14	1 H	239.397 091 21	+26.878 026 32	14.20	–76.55	–60.24	0.41	0.44	0.70	0.44	0.55	+21	–29	– 9	+17	+ 1	+ 2	+ 4	+22	–11	+ 9	0	–1.41
78160	15 57 36.05	+85 47 44.6	8.48	H	239.400 225 59	+85.795 712 88	1.56	5.76	8.48	0.60	0.72	0.73	0.67	0.97	+ 2	–14	– 5	– 7	– 2	+12	+ 5	+15	– 7	–21	3	1.05
78161	15 57 37.13	+32 24 31.8	8.65	H	239.404 710 71	+32.408 821 94	16.67	–59.13	86.46	0.65	0.76	1.02	0.75	0.87	+29	+ 8	+ 7	–16	–21	– 9	–22	–27	– 8	+21	2	1.09
78162	15 57 37.36	+12 13 32.6	9.42	H	239.405 659 07	+12.225 717 87	1.80	–22.48	31.10	1.45	1.12	1.70	2.05	1.96	–28	–36	–14	+27	–21	+15	–13	+24	–24	–60	5	–1.44
78163 H	15 57 39.06	–39 14 59.2	8.76	H	239.412 746 58	–39.249 766 17 A	10.73	17.71	4.60	2.05	1.40	2.12	2.08	1.65	– 5	–18	– 1	– 1	+15	– 7	+21	– 6	–18	–19	0	0.85
78164	15 57 39.25	+31 33 08.8	9.67	H	239.413 549 63	+31.552 454 50	2.72	– 7.92	– 0.47	0.84	0.96	1.42	0.93	1.04	+ 5	– 7	+ 9	+14	+ 3	–21	+ 2	–16	–19	– 5	2	1.50
78165	15 57 39.91	+65 23 49.5	9.04	G	239.416 308 87	+65.397 088 13	20.66	178.57	–165.09	0.66	0.67	0.70	0.66	0.75	+16	–13	–16	–18	– 1	– 7	– 1	–10	– 4	+14	0	0.10
78166	15 57 40.12	+22 25 14.6	9.25	1 H	239.417 170 34	+22.420 710 56	0.89	5.15	–16.91	0.84	0.97	1.38	1.11	1.14	+ 1	+ 2	–19	–35	–44	+21	–44	+20	–14	+ 8	0	–0.10
78167	15 57 40.19	–00 05 30.1	8.34	G	239.417 451 55	–00.091 692 85	4.93	–15.83	–21.89	0.87	0.65	0.95	1.05	0.93	–43	–21	+ 0	+37	–32	+24	–31	+49	–10	–38	2	1.11
78168	15 57 40.47	–20 58 58.9	5.84	2 H	239.418 623 15	–20.983 025 64	7.16	–10.00	–22.35	0.79	0.41	0.87	0.95	0.72	–10	–35	– 6	+ 5	–10	+19	– 4	+34	–18	+12	0	0.51
78169	15 57 40.92	–60 12 00.0	7.33	H	239.420 518 84	–60.200 008 50	28.93	–113.96	–102.35	0.62	0.67	0.84	0.77	0.81	– 8	– 9	–15	+50	+12	– 9	+11	+57	–20	–10	1	1.67
78170	15 57 40.95	–42 37 25.6	8.06	G	239.420 616 16	–42.623 770 14	68.18	–256.88	–191.39	0.83	0.61	1.02	0.94	0.93	–23	–25	– 5	+ 9	–15	–10	– 8	+32	–19	–36	0	–0.45
78171 H	15 57 41.30	–16 48 38.7	8.63	H	239.422 073 92	–16.810 761 45 A	1.77	2.24	– 6.94	1.76	0.91	1.67	2.25	1.56	–33	–15	+ 4	–16	– 7	– 8	–12	+23	–17	– 4	1	0.59
78172 H	15 57 42.40	–68 48 07.9	9.06	H	239.426 683 14	–68.802 192 35 *	1.78	– 3.18	– 4.19	0.54	0.83	1.18	0.57	0.97	+30	– 7	–14	+ 3	+14	–16	+10	+37	–19	+41	0	0.65
78173	15 57 42.51	–67 08 09.5	7.79	H	239.427 129 29	–67.135 965 25	2.57	– 3.06	– 7.08	0.47	0.60	0.87	0.52	0.76	– 1	–13	+ 1	– 6	– 4	+ 4	– 2	+19	– 6	– 8	0	–1.04
78174	15 57 42.64	+21 47 05.3	9.04	H	239.427 675 76	+21.784 794 34	2.23	– 3.62	11.81	1.22	1.06	1.47	1.35	1.27	+ 8	+ 8	–22	–38	–49	– 4	–51	+22	–27	+ 7	0	–0.60
78175	15 57 43.58	+03 22 38.0	9.06	H	239.431 572 75	+03.377 219 95	3.21	– 2.12	–10.87	1.11	0.91	1.39	1.46	1.67	–22	–22	–10	+19	+20	–25	+12	– 4	+37	–46	0	1.18
78176	15 57 45.13	+42 14 18.1	8.53	H	239.438 032 03	+42.238 349 94	3.63	2.88	– 1.30	0.63	0.66	0.78	0.72	0.82	– 1	– 4	+ 9	– 4	+ 7	+11	+ 8	+ 9	–11	– 9	1	–0.84
78177	15 57 45.44	+71 27 41.4	9.84	H	239.439 330 72	+71.461 486 45	6.70	–27.20	163.44	0.91	1.01	1.04	1.07	1.09	– 7	+ 0	–34	–12	–11	+ 6	– 5	+10	–10	–31	4	1.57
78178	15 57 45.60	+19 22 59.3	8.58	H	239.439 989 71	+19.383 127 52	0.66	–22.28	– 9.17	1.05	0.92	1.31	0.98	1.09	+21	+ 4	–27	–36	–62	+13	–64	+20	–22	+13	1	0.87
78179	15 57 46.83	–81 31 30.2	8.66	2 H	239.445 126 42	–81.525 052 18	1.38	–11.88	–19.90	0.71	0.70	0.87	0.67	0.83	+ 6	–20	–13	–13	– 2	– 2	– 6	+ 9	+10	+10	0	0.26
78180	15 57 47.59	+54 44 58.2	4.96	G	239.448 303 88	+54.749 503 59	29.57	–150.18	106.47	0.46	0.44	0.50	0.52	0.50	+11	– 4	– 5	– 9	+13	–13	+11	+11	+ 0	+20	1	1.00
78181	15 57 47.80	–70 19 31.0	10.68	H	239.449 179 26	–70.325 290 59	–0.24	– 6.23	– 4.93	1.00	1.30	1.78	1.12	1.69	+27	–16	+ 1	+ 6	+19	– 4	+16	+29	+ 4	+40	2	1.41
78182	15 57 48.16	–68 20 20.8	8.03	1 H	239.450 673 22	–68.339 097 74	1.60	– 2.64	– 9.28	0.48	0.70	1.05	0.53	0.79	+33	– 8	– 5	+ 7	+ 4	–15	+ 3	+28	–11	+38	0	0.03
78183	15 57 48.81	–23 31 38.1	6.77	H	239.453 364 18	–23.527 261 45	8.18	– 8.32	–16.23	0.93	0.46	1.07	1.00	0.88	–26	–49	+24	+13	– 4	+17	– 5	+40	+13	–32	0	0.30
78184	15 57 49.96	+59 16 13.9	10.31	H	239.458 171 48	+59.270 532 95	30.75	–296.09	203.51	1.06	1.09	1.21	1.24	1.31	– 3	–11	–15	– 5	–21	+ 9	–19	+ 1	+ 5	–38	5	1.11
78185	15 57 50.13	–32 28 18.1	9.41	H	239.458 873 94	–32.471 707 10	2.48	–10.55	– 3.42	1.37	0.91	1.64	1.74	1.34	–20	+ 6	–22	+ 3	+18	+ 8	+25	+17	– 5	–22	0	–0.78
78186	15 57 51.10	–43 43 29.2	9.85	H	239.462 905 44	–43.724 772 40	11.01	15.36	–127.06	1.37	0.99	1.62	1.56	1.27	– 8	–18	– 5	+21	+10	+ 1	+13	+29	–18	– 1	2	–0.90
78187	15 57 51.27	+24 23 05.9	7.93	H	239.463 617 16	+24.384 977 39	3.23	7.03	–10.63	0.53	0.66	1.01	0.65	0.87	+ 5	– 2	– 6	+25	–13	+ 1	–14	+18	+14	– 6	0	1.13
78188	15 57 53.61	+27 35 40.2	10.22	2 H	239.473 370 51	+27.594 500 77	4.28	–10.95	–47.69	0.92	1.29	1.78	0.88	1.49	+39	– 5	+ 6	+20	+36	+ 1	+40	+33	+ 2	+43	0	2.78
78189	15 57 55.52	–58 41 16.0	8.76	H	239.481 350 29	–58.687 766 18	0.59	– 4.54	1.05	0.89	0.83	1.20	1.06	1.00	+ 1	–17	– 4	+49	+22	–12	+23	+46	–15	+13	0	1.24
78190	15 57 55.79	–04 27 34.4	9.43	H	239.482 439 30	–04.459 556 48	–0.20	– 6.68	0.11	1.48	0.88	1.59	1.77	1.52	–28	–40	+ 7	+12	+ 2	+ 8	+ 9	+12	–30	0	–2.18	
78191	15 57 56.89	–26 58 27.7	9.76	H	239.487 054 35	–26.974 368 93	7.49	0.12	– 3.65	1.52	0.78	1.81	1.73	1.26	+ 9	–26	–12	+16	– 1	+42	+16	+38	–30	–21	0	–0.06
78192	15 57 57.52	+42 02 59.2	10.09	H	239.489 646 44	+42.049 781 45	8.62	0.16	– 8.43	1.04	1.16	1.31	1.19	1.43	+16	–18	+ 6	+15	+15	+15	+22	+37	–22	– 3	1	1.90
78193	15 57 57.81	–17 05 23.0	7.81	G	239.490 855 36	–17.089 727 88	13.30	–54.87	–109.04	0.92	0.44	0.93	1.32	0.83	+ 1	–13	– 2	–14	– 5	– 9	–12	+14	–26	+33	2	0.32
78194	15 57 57.90	+47 41 03.1	9.12	H	239.491 267 92	+47.684 192 64	2.28	3.52	1.73	0.87	0.95	1.05	1.06	1.19	+ 8	– 2	– 8	+ 5	– 2	–12	+ 5	+28	+ 6	–26	1	–1.62
78195	15 57 58.06	+14 31 35.5	8.30	G	239.491 917 26	+14.526 528 77	11.90	–33.90	37.33	0.96	0.83	1.04	1.22	1.20	–28	–19	–14	+34	– 3	– 7	– 6	+ 4	– 4	–45	2	–0.25
78196	15 57 59.36	–31 43 43.9	7.03	H	239.497 319 35	–31.728 864 05	8.98	–17.66	–27.89	0.80	0.52	0.92	1.11	0.86	–29	– 3	–12	+ 3	+19	+ 8	+26	+13	+ 2	–32	0	–1.56
78197	15 58 05.36	–57 08 51.2	7.78	H	239.522 326 28	–57.147 544 98	5.19	–16.43	–28.09	0.72	0.71	1.01	0.83	0.90	–10	–17	–23	+18	–11	– 9	–11	+23	–12	–20	0	0.23
78198	15 58 05.46	–35 32 04.6	9.52	H	239.522 757 87	–35.534 598 68	7.67	– 5.38	–13.53	1.36	0.89	1

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
78101	10.523	0.033	9.319	0.019		1.030	0.030	T	1.00	0.03	L	9.3830	0.0026	0.023	114		9.35	9.42					1							
78102	9.725	0.025	8.892	0.018	*	0.680	0.020	G	0.74	0.02	H *	9.0563	0.0028	0.032	142	*	9.02	9.14		R	15568+3530	I 1	2 C A	AB	13	9.428	0.007	1.04	0.03	
78103	9.260	0.017	8.714	0.016		0.518	0.017	T	0.59	0.02	L	8.7686	0.0015	0.016	94		8.75	8.81					1							
78104	3.634	0.002	3.845	0.003		−0.199	0.007	G	−0.18	0.02	A	3.8095	0.0005	0.005	79		3.80	3.82			15569−2913	I 1	1						S
78105	5.240	0.003	5.107	0.003	A	0.129	0.009	G	0.08	0.02	A	5.1430	0.0062	0.018	99	A	5.13	5.28		D	15569−3358	I 2	1 C P A						S
78106	5.669	0.004	5.587	0.003	B	0.072	0.004	G	0.07	0.00	L	5.6104	0.0093			B				D	15569−3358	I 2	1 C I A						S
78107	10.761	0.052	10.036	0.044		0.651	0.051	T	0.71	0.04	L	10.1178	0.0045	0.033	84		10.06	10.16					1							
78108	9.769	0.021	8.585	0.014		1.015	0.020	T	0.99	0.02	L	8.6285	0.0018	0.018	118		8.60	8.66					1							
78109	8.793	0.013	8.695	0.016		0.113	0.003	G	0.13	0.00	H	8.7153	0.0018	0.018	86		8.68	8.75		C			1							
78110	8.756	0.011	8.312	0.011		0.419	0.014	T	0.49	0.01	L	8.3578	0.0012	0.016	140		8.34	8.39			15570+2002	I 1	1						S
78111	9.394	0.013	7.935	0.008		1.230	0.012	T	1.19	0.01	L	7.9543	0.0011	0.013	144		7.93	7.98					1							
78112	11.251	0.062	9.126	0.016		1.757	0.051	T	1.78	0.05	L	9.0116	0.0028	0.020	130		8.98	9.05					1							
78113	10.966	0.049	9.938	0.031		0.820	0.015	G	0.86	0.01	H	10.1035	0.0037	0.039	113		10.04	10.16					1							
78114	9.525	0.017	7.691	0.008		1.526	0.015	T	1.57	0.02	L	7.6488	0.0013	0.011	114		7.63	7.67					1						S	
78115	10.562	0.043	9.966	0.040		0.556	0.052	T	0.63	0.05	L	9.9899	0.0024	0.025	98		9.96	10.04					1						G	
78116	9.468	0.021	9.010	0.021		0.432	0.027	T	0.50	0.03	L	9.0766	0.0032	0.017	62		9.05	9.10					1							
78117	6.746	0.005	6.343	0.006		0.381	0.007	T	0.45	0.01	L	6.3957	0.0009	0.008	86		6.38	6.41		C			1						S	
78118	7.049	0.005	6.922	0.005		0.115	0.007	T	0.13	0.01	L	6.9523	0.0009	0.007	99		6.94	6.97		C			1						S	
78119	10.371	0.021	9.839	0.021		0.507	0.022	T	0.58	0.02	L	9.8615	0.0023	0.033	273		9.80	9.91					1						G	
78120	8.899	0.013	6.760	0.005		1.769	0.072	G	2.28	0.02	A	6.5753	0.0037	0.026	92		6.54	6.63		U 2	15571−1602	I 1	1 S						S	
78121	8.303	0.010	7.987	0.010		0.320	0.015	G	0.37	0.02	H	8.0317	0.0016	0.014	82		8.01	8.05					1						S	
78122	9.075	0.014	7.799	0.009		1.086	0.013	T	1.05	0.01	L	7.8451	0.0013	0.010	92		7.83	7.87		C			1						S	
78123	9.475	0.019	8.870	0.018		0.569	0.020	G	0.64	0.02	H	8.9501	0.0016	0.013	96		8.93	8.98					1							
78124	7.390	0.006	7.211	0.006		0.171	0.008	T	0.19	0.01	L	7.2445	0.0012	0.009	67		7.23	7.26		C			1						S	
78125	8.541	0.014	8.018	0.014		0.476	0.007	G	0.55	0.01	H	8.0830	0.0020	0.011	56		8.06	8.11		C			1						S	
78126	10.371	0.032	9.847	0.033		0.520	0.020	G	0.59	0.02	H	9.8990	0.0030	0.022	87		9.85	9.93		C			1						G	
78127	10.238	0.026	10.122	0.037	A	0.105	0.041	T	0.12	0.04	L	10.2187	0.0138	0.083	241	A	10.14	10.39		D	15572−6913	H 1	2 C A	AB	199	12.641	0.014	1.01	0.05	G
78128	10.261	0.038	9.493	0.031		0.663	0.002	G	0.72	0.00	H	9.5920	0.0033	0.022	71		9.54	9.65		C			1							
78129	7.311	0.005	7.153	0.007		0.152	0.008	T	0.17	0.01	L	7.1880	0.0010	0.008	92		7.18	7.20		C			1						S	
78130	7.802	0.007	7.340	0.007		0.448	0.015	G	0.52	0.02	H	7.3878	0.0008	0.008	100		7.38	7.40		C			1						S	
78131	9.448	0.034	8.941	0.035	B	0.476	0.044	T	0.55	0.05	L	9.0894	0.0266			B				D	15572+0324	I 2	1 C I A						S	
78132	7.014	0.006	5.668	0.004		1.141	0.003	G	1.10	0.00	H	5.6969	0.0010	0.007	70		5.69	5.71		C			1						S	
78133	11.147	0.068	10.328	0.050	A	0.635	0.155	G	0.70	0.14	R *	10.2511	0.0055	0.041	99	*	10.20	10.33		U	15572−4130	H 1	2 C B	AB	217	6.562	0.050	2.50	0.21	G
78134	7.480	0.009	7.287	0.010	A	0.264	0.015	G	0.30	0.02	H	7.3323	0.0057	0.026	73	A	7.31	7.42		D	15572+0324	I 2	1 C P A						S	
78135	8.925	0.016	8.066	0.013		0.785	0.015	G	0.82	0.01	H	8.1397	0.0015	0.012	63		8.11	8.16					1						S	
78136	8.688	0.011	8.101	0.010		0.546	0.015	G	0.62	0.01	H	8.1684	0.0010	0.013	118		8.15	8.19					1						S	
78137	11.003	0.058	10.472	0.058		0.515	0.072	G	0.59	0.08	R	10.4822	0.0045	0.036	90		10.45	10.59		U			1						G	
78138	9.583	0.017	9.078	0.016		0.475	0.021	T	0.55	0.02	L	9.1623	0.0018	0.015	102		9.14	9.19		C			1							
78139						1.900	0.495	G	2.49	0.31	S	11.2075	0.0080	0.063	109		11.10	11.31		R	15575+3432	I 2	1						G	
78140	10.043	0.027	9.555	0.027		0.459	0.035	T	0.53	0.04	L	9.6189	0.0037	0.026	83		9.57	9.66		C			1						G	
78141	10.768	0.060	10.081	0.053		0.610	0.020	G	0.68	0.02	H	10.1646	0.0034	0.025	61		10.13	10.21		C			1							
78142	7.066	0.005	5.932	0.004	*	1.095	0.002	G	1.06	0.00	H *	5.9510	0.0007	0.007	90	*	5.94	5.96		D	15574−3611	H 1	2 C A	AB	178	0.330	0.003	1.42	0.03	S
78143	9.169	0.017	8.765	0.017		0.395	0.020	T	0.46	0.02	L	8.8272	0.0019	0.018	104		8.80	8.86		C			1							
78144	11.800	0.106	11.414	0.132		0.341	0.072	G	0.40	0.10	R	11.4877	0.0066	0.069	136		11.31	11.59		U 2			1						G	
78145	8.556	0.012	7.999	0.011		0.521	0.015	T	0.78	0.02	A	8.0310	0.0031	0.027	79		8.00	8.07		U 2			1						S	
78146	9.553	0.031	8.981	0.029	*	0.535	0.037	T	0.61	0.04	L *	9.1457	0.0020	0.022	127	*	9.10	9.19		D	15575+4140	I 1	2 C A	AB	196	3.057	0.005	1.01	0.03	
78147	9.818	0.017	8.453	0.010		1.156	0.015	T	1.12	0.01	L	8.5143	0.0015	0.016	140		8.48	8.54					1							
78148	11.162	0.082	9.701	0.037		1.237	0.015	G	1.20	0.01	H	9.7112	0.0024	0.017	77		9.69	9.74		C			1							
78149	10.435	0.022	9.197	0.013		1.057	0.020	T	1.02	0.02	L	9.2661	0.0020	0.025	239		9.22	9.31					1							
78150	8.163	0.011	7.921	0.013		0.226	0.002	G	0.25	0.00	H	7.9500	0.0013	0.011	82		7.93	7.97		C			1						S	
78151	9.693	0.026	8.998	0.023		0.629	0.026	T	0.70	0.02	L	9.0711	0.0024	0.017	85		9.04	9.09		C			1							
78152	11.672	0.083	10.749	0.061		0.817	0.077	T	0.84	0.06	L	10.7984	0.0071	0.056	94		10.59	10.87		U 2			1 X						G	
78153	7.725	0.007	6.419	0.004		1.110	0.006	T	1.07	0.01	L	6.4694	0.0007	0.009	127		6.45	6.48		C			1						S	
78154	10.746	0.056	10.068	0.048		0.627	0.061	T	0.69	0.05	L	10.1629	0.0036	0.023	60		10.10	10.21					1							
78155	8.966	0.015	8.231	0.013		0.673	0.016	T	0.73	0.01	L	8.2785	0.0011	0.012	108		8.26	8.30		C			1						S	
78156	9.196	0.013	8.718	0.013		0.466	0.015	G	0.54	0.02	H	8.7429	0.0019	0.017	126		8.72	8.77			15576−7749	I 1	1							
78157	10.198	0.044	8.662	0.023		1.290	0.039	T	1.25	0.04	L	8.6705	0.0023	0.015	64		8.65	8.69		C			1							
78158	12.470	0.243	10.890	0.089							T	10.9816	0.0059	0.048	107		10.87	11.07		R	15575+3432	I 2	1						G	
78159	5.741	0.002	4.275	0.002		1.231	0.001	G	1.17	0.03	C	4.2992	0.0005	0.006	170		4.29	4.31		M	15576+2652	I 1	1						S	
78160	9.726	0.020	8.580	0.014		0.985	0.019	T	0.97	0.01	L	8.6435	0.0018	0.014	112		8.63	8.67		C			1							
78161	9.446	0.013	8.734	0.012		0.655	0.014	T	0.72	0.01	L	8.7888	0.0015	0.019	149		8.75	8.82		C			1							
78162	10.726	0.060	9.532	0.035		1.022	0.054	T	1.00	0.04	L	9.5838	0.0030	0.020	64		9.55	9.62		C			1							
78163	9.549	0.026	8.763	0.021	*	0.698	0.025	T	0.75	0.02	L *	8.8941	0.0022	0.020	104	*	8.87	8.94		D	15577−3915	I 1	2 C B	AB	39	5.935	0.008	1.35	0.04	S
78164	11.072	0.046	9.804	0.024		1.080	0.041	T	1.04	0.03	L	9.8394	0.0027	0.028	172		9.79	9.90					1							
78165	10.076	0.025	9.119	0.019		0.860	0.015	G	0.90	0.01	H	9.1781	0.0018	0.014	117		9.16	9.20					1							
78166	11.324	0.052	9.418	0.017		1.583	0.043	T	1.60	0.04	L	9.3682	0.0023	0.030	156		9.32	9.42		U			1							
78167	8.573	0.012	8.371	0.013		0.230	0.015	G	0.26	0.02	H	8.4039	0.0012	0.011	94		8.38	8.42					1						S	
78168	5.854	0.003	5.842	0.003		0.012	0.004	T	0.03	0.00	L	5.8531	0.0007	0.007	105		5.84	5.87		U			1 S						S	
78169	8.112	0.009	7.401	0.008		0.621	0.002	G	0.69	0.00	H	7.4614	0.0009	0.009	120		7.45	7.48		C			1						S	
78170	9.521	0.017	8.212	0.011		1.118	0.021	G	1.24	0.02	A	8.1848	0.0013	0.011	100		8.17	8.21		C			1							
78171	10.335	0.031	8.822	0.015	*	1.272	0.027	T	1.23	0.03	L *	8.7935	0.0012	0.011	109	*	8.77	8.81		D	15577−1649	H 1	2 C A	AB	117	0.688	0.033	2.98	0.10	
78172	8.980	0.008	9.040	0.012	*	−0.050	0.013	T	−0.03	0.01	L *	9.0467	0.0016	0.022	257	*	9.01	9.09			15577−6848	H 1	2 C S B	AB	127	0.125	0.021	1.00	0.64	
78173	7.730	0.006	7.777	0.007		−0.038	0.008	T	−0.02	0.01	L	7.7876	0.0016	0.016	164		7.76	7.82					1						S	
78174	10.420	0.037	9.190	0.023		1.050	0.034	T	1.02	0.03	L	9.2050	0.0021	0.022	116		9.16	9.24					1							
78175	10.729	0.052	9.203	0.024		1.282	0.045	T	1.24	0.05	L	9.2242	0.0025	0.016	68		9.18	9.26		C			1							
78176	10.036	0.022	8.635	0.012		1.184	0.020	T	1.14	0.02	L	8.6860	0.0021	0.017	128		8.66	8.72		C			1							
78177	10.608	0.047	9.912	0.041		0.642	0.051	T	0.71	0.04	L	9.9789	0.0028	0.022	96		9.92	10.01		C			1							
78178	10.210	0.027	8.751	0.014		1.230	0.024	T	1.19	0.02	L	8.7406	0.0018	0.021	130		8.70	8.77					1							
78179	10.961	0.042	8.900	0.014		1.744	0.036	T	2.60	0.06	O	8.6653	0.0075	0.059	122		8.58	8.75		U 2			1 S							
78180	5.295	0.002	4.994	0.002		0.269	0.008	G	0.29	0.03	C	5.0295	0.0009	0.007	117		5.02	5.04					1						S P	
78181	10.597	0.028	10.633	0.046		−0.028	0.049	T	−0.01	0.05	L	10.6825	0.0034	0.046	197		10.60	10.76					1 S						G	
78182	9.819	0.014	8.155	0.007		1.391	0.012	T	1.36	0.01	L	8.1767	0.0013	0.023	277		8.14	8.22		U			1							
78183	6.762	0.004	6.776	0.005		−0.008	0.006	T	0.01	0.01	L	6.7774	0.0013	0.009	106		6.76	6.79					1						S	
78184	11.958	0.115	10.448	0.049		1.267	0.005	G	1.44	0.01	I	10.4197	0.0034	0.028	94		10.38	10.47					1							
78185	10.820	0.059	9.547	0.031		1.084	0.052	T	1.05	0.04	L	9.5761	0.0031	0.022	83		9.53	9.61					1							
78186	10.726	0.043	9.909	0.034		0.721	0.042	T	0.77	0.03	L	9.9841	0.0037	0.023	89		9.95	10.02					1						G	
78187	10.047	0.022	8.098	0.009		1.617	0.019	T	1.64	0.02	L	8.0370	0.0017	0.017	174		8.01	8.06					1						S	
78188	10.907	0.033	10.302	0.030		0.564	0.039	T	0.64	0.04	L	10.3397	0.0035	0.046	221		10.25	10.42		U			1							
78189	10.272	0.030	8.908	0.017		1.155	0.027	T	1.12	0.02	L	8.9227	0.0023	0.016	110		8.89	8.95					1							
78190	12.023	0.165	9.661	0.031		1.992	0.138	T	1.77	0.21	K	9.5251	0.0030	0.019	71		9.49	9.56		C			1							
78191	10.778	0.049	9.829	0.033		0.823	0.046	T	0.85	0.03	L	9.8990	0.0025	0.017	102		9.87	9.94					1						G	
78192	10.780	0.043	10.125	0.038		0.599	0.043	T	0.67	0.04	L	10.2110	0.0027	0.029	125		10.17	10.26					1							
78193	8.408	0.012	7.868	0.008		0.521	0.015	G	0.59	0.02	H	7.9163	0.0011	0.009	108		7.91	7.93		C			1						S	
78194	10.491	0.030	9.225	0.018		1.079	0.027	T	1.04	0.02	L	9.2904	0.0027	0.022	128		9.25	9.33		C			1						S	
78195	8.777	0.016	8.361	0.016		0.433	0.015	G	0.50	0.02	H	8.3856	0.0019	0.015	73		8.36	8.41		C			1						S	
78196	7.007	0.005	7.021	0.006		−0.011	0.007	T	0.01	0.01	L	7.0302	0.0009	0.008	99		7.02	7.04		C			1						S	
78197	7.905	0.011	7.803	0.011		0.092	0.014	T	0.10	0.01	L	7.8201	0.0016	0.010	74		7.80	7.84		C			1						S	
78198	10.120	0.029	9.585	0.027		0.509	0.030	T	0.58	0.03	L	9.6324	0.0024	0.020	90		9.60	9.66					1							
78199	10.377	0.035	9.894	0.034		0.455	0.044	T	0.52	0.05	L	9.9486	0.0033	0.032	116		9.90	10.01		R			1							
78200	9.429	0.014	8.527	0.011		0.801	0.013	T	0.83	0.01	L	8.5929	0.0013	0.017	129		8.56	8.63					1						S	

Number	Descriptor: epoch J1991.25					Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V			α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	$\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag			deg	deg		mas	mas/yr		mas		mas	mas/yr		$\alpha*$	$\alpha*$	δ	$\alpha*$	δ	π	$\alpha*$	δ	π	$\mu_{\alpha*}$	%	
1 2	3	4	5 6	7		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
78201	15 58 07.47	−69 47 43.7	10.49	H		239.531 108 16	−69.795 477 08		5.82	−2.81	−11.28	1.03	1.48	1.92	1.18	1.88	+43	−19	−19	+16	+28	− 8	+24	+43	− 6	+54	2	1.68
78202	15 58 07.56	−48 14 06.7	9.63	H		239.531 497 81	−48.235 192 43		9.21	4.38	−13.74	1.19	1.01	1.60	1.59	1.33	− 6	+ 4	−40	+16	+13	−11	+ 8	+33	−31	+ 9	0	1.48
78203	15 58 07.72	−50 40 29.6	8.56	G		239.532 187 34	−50.674 877 01		3.08	−3.94	−5.04	1.02	0.72	1.25	1.50	1.11	+17	−23	−18	+ 5	+ 6	−17	+ 2	+19	−19	+48	2	0.31
78204	15 58 08.08	−14 27 35.3	8.40	G		239.533 687 03	−14.459 808 82		14.01	2.41	−146.13	1.03	0.62	1.10	1.25	0.95	− 8	− 8	−18	−18	−10	−10	−13	+12	−18	− 9	4	0.40
78205	15 58 08.48	+33 01 43.8	9.58	H		239.535 346 19	+33.028 825 71		2.81	−5.45	−10.62	0.78	0.93	1.25	0.90	1.07	+ 8	+ 1	+ 0	−14	− 7	− 6	− 9	−23	+ 2	− 9	0	1.01
78206	15 58 10.54	+26 14 30.1	9.77	H		239.543 923 07	+26.241 698 65		1.26	−2.36	−35.38	0.96	0.97	1.67	1.27	1.27	+37	− 8	+ 8	+ 4	− 7	+19	− 9	+ 6	− 1	+38	0	−0.05
78207	15 58 11.38	−14 16 45.5	4.95	1 T		239.547 401 16	−14.279 317 73		6.36	−12.29	−16.77	0.74	0.43	0.79	0.84	0.67	−11	−31	− 6	+ 7	− 2	− 4	+ 1	+21	− 7	−12	0	0.62
78208	15 58 12.33	+49 10 04.6	8.61	H		239.551 380 69	+49.167 939 72		1.01	−21.75	32.62	0.70	0.77	0.83	0.76	0.90	+ 9	+ 3	+ 2	−21	− 3	− 7	+ 5	+18	+ 8	−12	0	−2.14
78209	15 58 13.31	+28 16 21.9	9.35	2 H		239.555 448 11	+28.272 742 48		2.45	−3.44	9.21	0.64	0.78	1.19	0.61	1.01	+21	+ 5	− 5	− 5	+19	−10	+26	+ 8	+11	+18	0	3.72
78210	15 58 13.39	−56 13 41.9	8.42	H		239.555 809 18	−56.228 304 81		4.45	−18.96	−33.42	0.92	0.83	1.29	1.21	1.05	+ 4	−12	−24	− 4	+14	−27	+ 5	+15	−11	+25	4	0.84
78211	15 58 15.11	−15 28 40.3	8.18	H		239.562 940 18	−15.477 849 55		4.07	−5.77	−27.71	1.05	0.50	1.07	1.29	0.88	+ 1	−23	− 9	− 6	+ 4	− 4	+ 7	+16	−17	+ 6	0	0.21
78212	15 58 15.56	+56 06 39.7	9.75	2 H		239.564 847 28	+56.111 037 03		−0.69	−11.99	2.47	0.86	0.95	1.00	0.95	1.10	+ 5	−11	−15	− 9	+ 0	+ 1	− 2	− 1	+ 8	+14	0	−1.41
78213	15 58 15.82	−34 04 17.3	9.09	H		239.565 937 03	−34.071 480 11		2.01	−3.50	−5.83	1.02	0.69	1.28	1.13	1.01	−16	−24	−22	− 2	− 8	− 4	− 1	+32	−17	−31	0	0.32
*78214	15 58 19.77	+37 12 49.3	8.53	H		239.582 380 29	+37.213 687 16		3.34	−12.37	12.43	0.69	0.79	0.96	0.80	0.92	+ 8	+ 9	+ 1	+ 3	−24	+ 5	−23	+12	+ 2	− 7	0	0.15
*78215	15 58 19.75	−41 39 34.5	7.90	G		239.582 296 84	−41.659 595 28		3.75	−8.30	−7.37	0.82	0.60	1.00	0.84	0.78	−12	−33	−22	+12	−14	−14	− 6	+38	−14	−39	2	−0.25
78216	15 58 20.56	−17 23 55.2	9.21	G		239.585 675 21	−17.398 674 98		5.67	5.63	12.45	1.30	0.57	1.47	1.58	1.07	+ 1	−35	−14	− 2	− 3	+31	+12	+27	−36	− 7	0	1.71
*78217	15 58 21.13	+70 53 37.8	7.26	G		239.588 054 74	+70.893 827 82		34.35	−59.70	253.89	1.06	1.02	1.08	1.17	1.22	− 8	− 8	−14	−30	+ 5	− 8	+ 6	−16	− 6	−21	0	
*78218	15 58 21.11	+29 34 31.1	9.40	H		239.587 970 40	+29.575 299 73		1.15	5.07	2.79	0.80	0.94	1.39	0.90	1.16	+10	− 6	+ 7	+ 9	+22	− 2	+18	− 3	+ 3	−14	1	1.17
78219	15 58 22.78	−18 28 33.4	9.96	G		239.594 899 08	−18.475 954 05		2.66	14.59	−1.04	1.47	0.80	1.58	1.81	1.34	− 2	− 6	−15	+18	+ 4	+23	+13	+21	−18	−18	2	1.52
78220	15 58 23.56	+47 07 03.2	8.26	H		239.598 152 50	+47.117 568 34		9.86	−11.15	−46.14	0.64	0.66	0.76	0.79	0.78	− 2	− 2	−13	+ 2	+ 5	− 7	+ 4	− 1	+ 7	− 7	0	−0.39
78221	15 58 24.03	−44 04 50.7	6.72	H		239.600 108 85	−44.080 738 28		9.14	−44.65	−34.87	0.70	0.53	0.87	0.70	0.67	− 7	−31	−24	+ 2	−10	− 7	+ 0	+32	−23	−30	0	−0.80
78222	15 58 24.27	+37 49 39.0	7.33	H		239.601 115 47	+37.827 498 32		14.60	26.73	−8.76	0.47	0.54	0.65	0.53	0.69	+ 2	+ 2	− 8	+ 1	−15	+13	−11	+18	−15	−26	0	0.43
78223	15 58 24.43	+12 50 06.7	8.10	G		239.601 794 90	+12.835 184 77		5.50	−0.99	−14.93	1.02	0.67	1.09	1.40	1.07	+ 0	−29	−23	+ 6	+ 2	−26	− 8	− 6	+13	−29	0	−0.07
78224	15 58 24.53	+45 34 28.7	8.67	H		239.602 211 81	+45.574 636 39		2.91	−2.68	−24.37	0.76	0.81	0.93	0.95	1.03	+14	− 2	−23	+ 4	+ 1	− 5	+ 4	−16	+ 6	+35	0	−0.38
78225	15 58 24.58	−17 45 05.7	8.50	G		239.602 403 10	−17.751 577 90		17.21	−268.20	−185.44	1.22	0.82	1.39	1.52	1.35	− 9	−35	−16	+ 3	+11	+32	+22	− 7	−34	−42	2	2.06
78226	15 58 25.69	+43 12 49.4	7.42	H		239.607 036 54	+43.213 730 72		5.62	−17.54	−7.72	0.50	0.55	0.62	0.53	0.56	+ 2	− 8	+ 3	+ 8	+16	−11	+16	+ 2	− 1	+ 3	1	1.07
*78227	15 58 26.63	−23 50 20.4	11.76	2 G		239.610 960 05	−23.838 993 46		−3.69	−12.14	−24.67	3.71	1.68	4.04	4.26	3.60	−13	−45	+13	+15	− 8	− 1	+ 3	+39	− 6	−28	0	−0.32
*78228	15 58 26.68	−13 26 33.6	7.12	H		239.611 163 05	−13.442 670 95		5.54	−9.24	−40.19	0.91	0.48	0.96	0.95	0.75	− 8	−37	− 1	+ 3	+ 0	+19	+ 8	+25	−17	−12	0	−0.82
*78229	15 58 26.58	−73 08 52.6	7.96	H		239.610 768 55	−73.147 956 00		2.42	−6.79	−9.09	0.48	0.58	0.77	0.59	0.75	+21	− 3	+ 1	− 4	− 1	− 1	− 2	+15	+11	+23	0	−2.37
78230	15 58 28.08	+63 49 51.1	8.88	H		239.616 983 32	+63.830 850 70		6.30	19.43	−16.94	0.64	0.67	0.70	0.68	0.76	+11	− 3	− 5	+ 0	+ 2	− 6	+ 2	+13	−11	+16	0	−0.47
78231	15 58 28.33	−62 03 37.6	8.50	2 H		239.618 055 86	−62.060 438 81		0.56	−2.91	−10.38	0.56	0.71	1.00	0.68	0.85	−22	−10	− 7	− 5	+ 1	−21	+ 2	+40	+ 4	−29	1	−0.36
78232	15 58 28.75	+04 45 17.5	7.09	H		239.619 778 18	+04.754 869 09		6.29	−19.82	11.68	0.86	0.68	1.09	1.27	1.49	−28	−36	−13	+39	−20	−15	−27	+31	+31	−65	0	0.84
78233	15 58 29.31	−21 24 03.8	9.06	G		239.622 133 03	−21.401 066 12		3.87	−9.47	−19.24	1.23	0.60	1.44	1.52	1.19	−12	−32	−12	+14	−13	+26	+ 4	+44	−37	−28	2	−0.39
78234	15 58 30.45	+26 51 11.3	8.53	H		239.626 886 83	+26.853 151 55		3.03	17.04	−19.91	0.67	0.72	1.11	0.78	0.89	+19	−21	−17	+13	−14	+13	−11	+27	− 7	+ 6	0	2.30
78235	15 58 30.80	+36 01 19.7	7.33	2 H		239.628 340 18	+36.022 146 08		2.53	−51.44	0.71	0.48	0.52	0.67	0.51	0.60	+ 6	− 3	− 3	−13	− 9	+ 1	− 9	− 5	+ 1	− 5	0	−0.16
78236	15 58 30.81	−37 30 13.8	6.31	H		239.628 358 53	−37.503 824 60		5.33	−12.90	−21.87	0.72	0.52	0.91	0.86	0.68	−27	−14	−14	+ 9	− 9	−20	−12	+26	−20	−13	4	4.47
78237	15 58 31.42	+57 22 46.4	9.65	H		239.630 914 44	+57.379 558 97		19.93	147.99	−217.41	0.98	0.90	1.03	1.23	1.10	+15	− 7	−22	− 2	− 8	+15	− 4	+ 3	+ 2	+ 8	0	−0.09
78238	15 58 31.60	−42 44 33.5	8.03	H		239.631 687 45	−42.742 625 28		6.56	2.81	−26.96	0.83	0.63	1.01	1.01	0.93	−19	−22	− 3	+21	−13	− 9	− 8	+40	−17	−20	0	−1.90
78239	15 58 32.18	−15 14 20.6	8.89	G		239.634 065 48	−15.239 068 74		15.74	−36.13	− 9.05	1.19	0.55	1.22	1.44	1.01	− 3	−16	− 3	−12	− 2	− 5	+ 0	+16	−19	+ 0	0	−1.16
78240	15 58 32.31	+08 54 21.5	8.62	H		239.634 612 69	+08.905 970 16		1.49	−26.60	−12.72	1.19	0.91	1.50	1.47	1.31	−27	−29	−21	+36	−22	+11	−12	+24	−25	−37	0	−0.43
78241	15 58 32.54	+27 44 21.4	8.02	G		239.635 578 61	+27.739 275 37		38.34	−775.73	296.07	0.48	0.67	0.96	0.48	0.81	+33	− 1	− 1	+19	+29	− 4	+32	+31	+ 7	+31	2	−1.79
78242	15 58 32.84	−30 26 46.5	9.66	G		239.636 817 09	−30.446 250 40		18.28	−282.38	−217.68	1.32	0.85	1.75	1.80	1.59	−28	−16	−19	+14	− 9	−22	− 3	+43	−12	−42	2	−1.27
78243	15 58 32.88	+47 29 39.7	10.10	H		239.637 015 39	+47.494 356 49		5.74	−17.19	34.59	0.98	1.03	1.17	1.21	1.33	+ 5	−11	−12	+10	+ 0	−12	+ 2	+18	− 1	−27	0	1.65
78244	15 58 33.42	−09 00 12.2	8.35	G		239.639 251 04	−09.003 385 78		1.13	−4.35	1.71	1.10	0.61	1.08	1.24	0.91	+ 2	−27	−10	+33	+13	+ 8	+21	+29	−11	+ 7	0	0.36
78245	15 58 33.81	−28 18 07.5	9.04	H		239.640 861 58	−28.302 090 26		6.01	−23.49	−31.04	1.16	0.57	1.42	1.10	0.98	+ 1	−52	−15	−16	−12	+23	+13	+24	−40	−25	0	−0.32
78246	15 58 34.87	−24 49 53.1	5.43	1 H		239.645 309 65	−24.831 429 74		6.68	−11.41	−24.06	0.73	0.41	0.82	0.77	0.70	−12	−23	+10	− 8	−12	− 3	− 4	+20	−26	−20	2	0.12
78247	15 58 35.29	−06 42 13.1	7.76	H		239.647 052 81	−06.703 627 04		4.07	−1.76	21.77	1.06	0.63	1.16	1.38	1.30	−32	−39	+19	+17	+11	−20	+15	+13	+23	−42	2	−0.21
*78248	15 58 35.67	+39 14 27.0	9.17	G		239.648 619 70	+39.240 839 91		4.16	−26.84	17.35	0.78	0.87	0.99	0.94	1.04	+16	− 1	− 6	+13	+18	+ 0	+19	+25	+ 1	+ 5	0	0.78
*78249	15 58 35.80	−51 46 16.1	8.18	H		239.649 159 23	−51.771 133 12		1.02	−15.96	−0.27	0.92	0.70	1.20	0.96	0.87	+11	−34	−22	+15	+ 9	−20	+10	+18	−16	+13	0	1.13
*78250	15 58 35.66	−80 45 20.1	7.93	H		239.648 578 52	−80.755 584 61		3.10	−15.92	−41.27	0.56	0.64	0.76	0.56	0.69	+ 7	−20	− 8	−12	−11	−13	−15	−17	+ 8	+ 1	0	−0.18
78251	15 58 35.88	−23 54 28.4	8.96	G		239.649 480 61	−23.907 884 18		20.84	−242.32	−162.10	1.41	0.73	1.61	1.91	1.58	−21	−26	+19	+ 4	−11	−11	− 4	+35	− 6	−24	0	0.98
78252	15 58 36.57	+34 11 33.4	8.74	H		239.652 359 89	+34.192 620 63		0.82	−26.25	−5.46	0.73	0.79	1.10	0.82	0.92	+10	+16	− 2	+ 0	− 9	− 2	−14	−16	+ 1	−14	1	0.21
78253	15 58 36.66	−25 28 56.0	8.83	H		239.652 753 90	−25.482 232 70		−0.89	−6.49	−2.04	1.20	0.57	1.40	1.20	1.16	− 2	−18	− 5	−10	−23	+17	−12	+34	−43	−30	0	3.16
78254	15 58 37.53	+59 45 03.8	8.75	H		239.656 361 56	+59.751 062 46		7.51	5.62	−11.22	0.68	0.68	0.76	0.68	0.72	− 3	− 6	−15	−11	−15	+ 4	−14	− 1	− 8	−27	0	0.86
78255	15 58 38.77	−58 26 47.4	9.06	H		239.661 536 86	−58.446 486 38		5.47	−16.47	−29.29	0.89	0.93	1.39	1.09	1.15	− 4	−21	− 8	+23	+15	−23	+14	+45	−22	+12	0	2.17
78256	15 58 40.39	−65 34 32.4	9.87	H		239.668 308 12	−65.575 665 98		3.16	−12.11	−37.52	1.60	1.72	2.52	1.84	2.18	− 1	+ 7	+ 6	−48	+ 2	−13	+ 2	− 8	−13	+ 0	1	
78257	15 58 41.51	+30 47 29.8	11.64	H		239.672 969 08	+30.791 602 73		2.02	2.52	0.58	1.59	1.75	2.57	1.62	1.95	+16	−12	+ 1	− 4	+ 7	− 3	+ 8	− 8	− 6	+ 3	1	0.85
78258	15 58 43.88	−60 42 26.4	7.40	H		239.682 843 27	−60.707 325 62		3.29	−14.51	− 0.99	0.80	0.80	1.03	0.89	0.99	−14	−34	−19	+50	− 2	−13	+ 8	+59	−31	−19	0	2.12
78259	15 58 44.00	+25 34 11.5	8.19	2 H		239.683 315 01	+25.569 848 27		11.39	−78.93	−119.58	0.53	0.60	0.96	0.71	0.82	+32	− 3	+13	+10	+ 6	+26	+ 2	+18	+15	+37	0	−0.90
78260	15 58 44.75	+30 00 16.6	7.37	1 H		239.686 444 81	+30.004 623 15		3.17	−18.58	7.73	0.46	0.52	0.76	0.47	0.60	+ 8	− 1	+11	+ 1	+13	− 6	+16	+ 1	+ 0	+ 0	0	−0.41
78261	15 58 45.75	−19 32 37.0	9.08	H		239.690 631 68	−19.543 618 32		3.00	−12.99	− 9.82	1.14	0.52	1.23	1.39	1.00	− 4	−29	− 9	−15	− 8	+16	− 1	+23	−27	−11	0	0.25
78262	15 58 49.10	+16 12 40.2	7.73	H		239.704 564 64	+16.211 154 23		3.34	−19.73	−28.59	0.89	0.66	1.03	0.99	0.91	−12	−36	−13	+24	− 9	+11	+ 9	+18	−38	−11	0	0.01
78263	15 58 50.15	−32 03 08.1	8.66	H		239.708 961 60	−32.052 240 55		8.17	−12.57	−27.24	1.15	0.67	1.37	1.50	1.16	−11	− 4	−10	+ 6	+16	+10	+27	+28	+ 7	−22	7	3.60
78264	15 58 50.58	−44 57 27.4	8.50	H		239.710 749 15	−44.957 613 08		13.03	−33.18	−37.97	0.84	0.72	1.05	0.92	0.98	−17	−24	−25	+ 3	−22	+ 6	−11	+33	−24	−47	0	1.13
78265	15 58 51.12	−26 06 50.6	2.89	1 H		239.713 002 83	−26.114 042 80		7.10	−12.00	−25.71	0.69	0.45	0.84	0.80	0.77	−22	−17	−16	+ 4	−27	+29	− 9	+44	−36	−55	0	1.39
78266	15 58 52.14	−49 06 43.1	8.96	G		239.717 256 25	−49.111 981 64		4.79	−9.81	−9.58	0.97	0.85	1.30	1.03	1.11	+ 3	−30	−33	+12	−19	− 1	−14	+41	−20	−17	0	0.18
78267	15 58 52.15	−38 59 50.0	8.00	H		239.717 279 47	−38.997 228 22		27.11	−26.47	−148.94	0.79	0.59	0.95	0.79	0.70	−31	−17	−20	−12	+11	−16	+11	+ 2	+ 3	−48	7	2.28
78268 H	15 58 52.94	−03 04 23.5	8.23	H		239.720 564 67	−03.073 205 83	A	16.01	−241.92	45.61	3.15	2.17	3.16	2.98	2.63	−32	−26	+ 0	+16	+16	+11	+33	− 7	−37	−17	1	1.51
78269	15 58 53.34	+21 47 28.3	8.46	H		239.722 236 58	+21.791 198 56		2.95	−14.78	28.92	0.97	0.88	1.19	0.99	1.01	+24	−21	−12	−41	−41	+ 9	−38	+11	+ 0	+14	0	−0.30
78270	15 58 54.62	+66 03 17.7	8.34	H		239.727 593 86	+66.054 920 89		4.51	10.09	25.05	0.58	0.63	0.64	0.61	0.75	+16	−21	−15	− 6	+ 0	− 7	− 4	+22	+10	+12	3	−0.96
*78271	15 58 56.92	−13 10 10.9	8.44	H		239.737 176 22	−13.169 687 34		4.07	−8.57	−21.20	1.20	0.61	1.21	1.25	1.00	− 2	−27	− 5	+21	+ 4	+16	+15	+31	−15	−13	0	1.27
*78272 H	15 58 56.87	+21 47 54.8	8.49	H		239.736 959 20	+21.798 559 19	B	4.33	−7.05	4.83	2.47	2.46	2.87	2.45	2.59	+12	−27	−35	− 9	−35	+31	−12	+41	−22	−14	3	2.01
*78273	15 58 57.02	−53 05 38.4	8.90	H		239.737 580 87	−53.093 998 42		0.29	−1.21	−1.53	1.14	0.86	1.24	1.38	1.12	+23	−23	−15	+37	+36	− 8	+38	−38	−12	+40	0	−0.31
*78274	15 58 57.02	+54 35 13.1	10.93	H		239.737 575 33	+54.586 978 39		8.04	−1.94	−42.53	1.32	1.41	1.46	1.62	1.72	+ 8	− 6	+ 2	+ 2	+18	− 3	+17	+31	+ 4	+11	0	−0.27
78275	15 58 57.09	+12 16 12.8	8.60	G		239.737 884 38	+12.270 212 55		4.04	0.58	2.49	1.06	0.96	1.30	1.33	1.46	+ 4	−37	−34	+33	−11	− 8	−11	+37	− 2	−36	0	2.06
78276	15 58 57.70	+36 38 37.3	5.61	H		239.740 397 50	+36.643 706 27		3.63	25.20	27.65	0.43	0.46	0.58	0.50	0.56	+ 5	+ 6	− 6	− 1	−14	+ 5	−15	+ 3	−10	−10	0	0.13
78277	15 58 57.99	+31 45 48.7	9.18	H		239.741 636 99	+31.763 531 32		6.49	7.51	33.37	0.73	0.81	1.17	0.82	0.91	+ 6	−20	−11	+14	− 3	−23	− 9	−10	− 7	−15	1	0.55
78278	15 58 58.08	+24 37 17.0	8.80	H		239.741 988 26	+24.621 398 80		4.98	−14.43	1.36	0.59	0.69	1.26	0.70	0.90	+19	− 7	+19	+ 4	+ 3	+ 6	+ 1	+12	+14	+19	1	−0.37
78279 H	15 58 58.16	−65 02 15.2	5.74	G		239.742 332 23	−65.037 569 03	*	4.33	−9.49	−6.78	0.72	2.43	0.84	0.69	0.77	+ 9	−11	− 4	− 1	+20	−14	+ 8	− 4	− 9	+ 5	3	0.45
78280	15 58 59.32	+35 58 19.8	10.24	H		239.747 182 70	+35.972 168 51		3.81	−6.83	28.54	0.94	0.92	1.29	1.03	1.08	+10	−10	− 3	−11	−10	− 6	−13	−14	+15	− 5	0	0.91
78281	15 58 59.93	+36 56 31.3	7.77	H		239.749 701 54	+36.942 021 79		3.08	−24.85	−15.55	0.61	0.59	0.75	0.80	0.74	+12	− 7	+ 1	−19	−13	+20	−13	− 9	− 8	+16	0	1.28
78282	15 59 01.77	+15 44 48.0	8.82	H		239.757 386 10	+15.746 653 80		11.47	0.32	6.31	1.24	0.79	1.40	1.07	1.02	− 3	−59	−15	− 5	− 9	+20	+12	+12	−31	−24	0	−0.39
78283	15 59 01.86	+18 19 33.1	7.79	H		239.757 742 81	+18.325 870 66		15.13	−59.81	2.86	0.74	0.69	1.06	0.71	0.81	+ 4	−27	−17	−27	−49	+14	−53	+32	+ 7	+ 2	0	0.31
78284	15 59 02.13	+77 44 32.7	10.63	H		239.758 892 74	+77.742 421 90		4.84	7.16	−121.06	1.13	1.21	1.24	1.20	1.46	+ 8	− 7	−12	−10	+ 9	+ 6	+11	+29	−13	+10	4	1.14
78285	15 59 02.26	+07 15 41.1	9.50	H		239.759 411 05	+07.261 420 19		0.00	5.62	0.16	1.25	0.95	1.52	1.42	1.28	−16	−36	+ 2	+19	− 6	+ 4	+ 2	+14	−20	− 8	0	0.13
78286	15 59 04.38	+49 52 52.2	6.04	H		239.768 234 55	+49.881 178 23		20.40	21.48	−55.61	0.49	0.47	0.53	0.53	0.56	+ 8	+ 0	− 1	−25	−11	+ 0	−10	− 1	+ 3	− 3	1	−1.03
78287	15 59 05.28	−51 34 20.7	9.56	H		239.772 013 36	−51.572 426 55		1.68	−16.08	−13.99	1.14	0.85	1.41	1.30	1.20	+15	−30	−11	+20	+ 4	−16	+ 8	+27	−21	+11	2	−1.31
78288	15 59 05.89	+29 25 54.2	7.11	H		239.774 535 93	+29.431 722 46		6.85	39.13	−57.77	0.45	0.52	0.75	0.44	0.58	+10	− 7	+ 3	− 6	+20	−14	+25	+ 5	− 1	+ 5	0	0.71
78289	15 59 06.02	−76 37 04.0	8.99	G		239.775 088 96	−76.617 773 92		1.36	0.96	−4.26	0.70	0.88	1.04	0.76	0.99	− 6	−10	+29	−15	−20	−20	−14	+ 6	− 9	− 2	0	−0.59
78290	15 59 07.56	+50 38 21.0	7.84	H		239.781 488 58	+50.639 167 15		4.15	−47.91	37.08	0.63	0.60	0.69	0.71	0.71	+10	− 9	+ 5	− 3	− 3	− 4	− 5	+12	+ 3	+20	1	0.72
78291	15 59 08.95	+49 46 50.9	9.25	H		239.787 304 46	+49.780 805 58		2.33	15.25	−17.94	0.85	0.87	0.98	0.93	1.08	+ 1	− 2	− 6	−19	− 3	− 1	− 2	−13	+15	−24	2	1.24
78292	15 59 11.96	−63 54 47.6	9.92	H		239.799 847 98	−63.913 217 13		7.97	−10.55	−127.80	1.04	1.16	1.68	1.22	1.47	+ 6	−10	− 7	+11	+19	− 3	+21	+14	− 3	−12	1	−0.03
78293	15 59 13.06	−10 56 38.9	8.65	H		239.804 413 80	−10.944 144 52		5.79	23.51	3.26	1.15	0.64	1.20	1.42	1.04	−19	−12	− 3	+26	+ 9	+21	+16	+21	+ 6	− 7	0	0.58
78294	15 59 13.67	−53 39 06.6	8.45	H		239.806 941 65	−53.651 832 63		2.92	3.02	−4.32	0.94	0.79	1.10	1.09	1.02	− 4	−23	−10	+23	+12	− 9	+12	+38	− 5	+ 2	0	0.19
78295	15 59 13.69	−16 13 18.2	8.06	G		239.807 044 23	−16.221 723 92		7.96	24.42	2.81	0.92	0.45	0.98	1.15	0.82	−12	−24	+ 3	− 4	+ 2	− 5	+ 4	+18	− 7	+ 7	2	0.68
78296	15 59 14.84	−08 43 06.7	9.07	G		239.811 832 52	−08.718 515 64		14.05	−137.84	−80.17	1.18	0.69	1.15	1.32	1.05	− 2	−22	− 6	+38	+ 8	+ 4	+15	+33	−13	− 4	0	0.89
78297	15 59 15.44	−

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data										Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″		ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65		66	67	68-70
78201	10.828	0.032	10.487	0.038		0.323	0.046	T	0.37	0.06	L	10.5677	0.0037	0.044	209		10.50	10.65		C			1 S								G
78202	10.449	0.038	9.700	0.032		0.670	0.038	T	0.73	0.03	L	9.7630	0.0019	0.019	85		9.73	9.81		D			1								G
78203	8.711	0.014	8.573	0.016		0.150	0.015	G	0.17	0.01	H	8.6226	0.0025	0.014	83		8.60	8.64		C			1								
78204	9.191	0.019	8.493	0.016		0.632	0.015	G	0.70	0.01	H	8.5341	0.0014	0.013	96		8.51	8.57		C			1								S
78205	10.231	0.026	9.628	0.024		0.562	0.031	T	0.64	0.03	L	9.7047	0.0025	0.028	152		9.66	9.75		C			1								
78206	10.860	0.037	9.861	0.026		0.873	0.034	T	0.88	0.03	L	9.9289	0.0029	0.039	166		9.87	10.00					1								
78207	4.846	0.003	4.935	0.003		−0.080	0.110	G	−0.06	0.02	A	4.9345	0.0028	0.016	94		4.91	4.96		U 2			1								S P
78208	10.173	0.027	8.749	0.014		1.202	0.024	T	1.16	0.02	L	8.7792	0.0018	0.019	106		8.75	8.82					1								
78209	11.472	0.056	9.574	0.017		1.576	0.046	T	1.59	0.05	L	9.4684	0.0029	0.036	224		9.41	9.53		U 2			1								
78210	9.836	0.023	8.563	0.014		1.084	0.021	T	1.05	0.02	L	8.5862	0.0025	0.021	87		8.55	8.62					1								
78211	8.607	0.010	8.216	0.010		0.370	0.013	T	0.43	0.01	L	8.2656	0.0013	0.010	103		8.25	8.29		C			1								S
78212	11.703	0.095	9.979	0.032		1.438	0.079	T	1.43	0.12	L	9.8819	0.0035	0.040	113		9.83	9.96		U			1								
78213	9.469	0.024	9.150	0.027		0.495	0.015	G	0.57	0.02	H	9.1948	0.0016	0.014	105		9.16	9.22			15583−3405	I 1	1								
78214	9.567	0.016	8.621	0.012		0.834	0.015	T	0.85	0.01	L	8.6848	0.0016	0.019	137		8.65	8.72		C			1								S
78215	8.085	0.009	7.940	0.012		0.166	0.002	G	0.18	0.00	H	7.9558	0.0015	0.012	96		7.93	7.98		C			1								S
78216	9.863	0.022	9.265	0.021		0.547	0.020	G	0.62	0.02	H	9.3336	0.0013	0.016	114		9.30	9.36					1								
78217	8.031	0.009	7.336	0.008		0.654	0.005	G	0.72	0.00	H	7.3796	0.0008	0.009	108		7.36	7.40		D	15583+7054	I 1	1 X S								S
78218	11.018	0.039	9.514	0.018		1.265	0.034	T	1.22	0.04	L	9.5592	0.0025	0.028	191		9.51	9.61		C			1 G								
78219	10.595	0.037	10.052	0.035		0.503	0.020	G	0.58	0.02	H	10.0897	0.0022	0.027	132		10.04	10.14					1								G
78220	8.912	0.011	8.320	0.010		0.579	0.015	G	0.65	0.01	H	8.3809	0.0018	0.020	136		8.34	8.41					1								S
78221	6.927	0.005	6.743	0.005		0.169	0.007	T	0.18	0.01	L	6.7735	0.0009	0.007	92		6.76	6.79					1								S
78222	7.804	0.007	7.382	0.006		0.399	0.009	T	0.46	0.01	L	7.4247	0.0009	0.010	140		7.41	7.45					1								S
78223	9.408	0.022	8.211	0.014		1.000	0.020	G	0.98	0.02	H	8.2650	0.0020	0.014	59		8.23	8.30		C			1								
78224	10.258	0.026	8.799	0.014		1.230	0.023	T	1.19	0.02	L	8.8303	0.0020	0.017	105		8.80	8.87		C			1								
78225	9.261	0.021	8.575	0.019		0.637	0.005	G	0.70	0.00	H	8.6211	0.0014	0.013	114		8.60	8.64		C			1 G								
78226	7.618	0.007	7.435	0.008		0.177	0.003	G	0.19	0.00	H	7.4796	0.0014	0.014	122		7.46	7.50					1								S
78227						1.150	0.020	G	1.11	0.02	H	11.8916	0.0068	0.063	109		11.75	12.00		U 2			1								D
78228	9.246	0.016	7.296	0.007		1.653	0.014	T	1.80	0.05	O	7.2119	0.0014	0.012	90		7.19	7.23					1								S
78229	7.831	0.006	7.922	0.008		−0.078	0.009	T	−0.06	0.01	L	7.9362	0.0012	0.016	185		7.91	7.96					1								S
78230	9.251	0.014	8.916	0.014		0.318	0.019	T	0.37	0.03	L	8.9598	0.0019	0.016	107		8.93	8.98		C			1								
78231	8.558	0.009	8.558	0.012		0.001	0.013	T	0.02	0.01	L	8.5123	0.0017	0.028	144		8.48	8.93	2.38	P 1 A			1								
78232	8.380	0.011	7.208	0.008		1.005	0.011	T	0.98	0.01	L	7.2550	0.0011	0.007	57		7.23	7.27					1								S
78233	9.643	0.019	9.143	0.019		0.513	0.020	G	0.59	0.02	H	9.1675	0.0022	0.017	104		9.14	9.20		C			1 S								
78234	9.571	0.027	8.634	0.020		0.827	0.025	T	0.85	0.02	L	8.6876	0.0023	0.021	171		8.65	8.72					1								
78235	9.339	0.014	7.593	0.007		1.485	0.013	T	2.87	0.06	O	7.2662	0.0220	0.180	145		7.02	7.49	338.00	P 1 A			1 S								P
78236	7.601	0.007	6.420	0.005		1.006	0.004	G	0.98	0.00	H	6.4772	0.0008	0.007	83		6.47	6.49		C			1								S
78237	10.684	0.043	9.700	0.028		0.850	0.040	T	0.86	0.03	L	9.7975	0.0024	0.018	93		9.76	9.84		C	15585+5723	I 1	1								
78238	8.290	0.009	8.045	0.009		0.229	0.013	T	0.25	0.02	L	8.0946	0.0014	0.014	102		8.07	8.13		C			1								S
78239	9.659	0.019	8.991	0.017		0.637	0.015	G	0.70	0.01	H	9.0267	0.0014	0.016	110		9.00	9.05		C			1								
78240	10.370	0.045	8.743	0.021		1.362	0.039	T	1.33	0.04	L	8.7671	0.0023	0.015	62		8.74	8.80		C			1								
78241	8.966	0.008	8.101	0.007		0.757	0.003	G	0.80	0.00	H	8.1532	0.0014	0.017	239		8.12	8.18					1								S
78242	10.819	0.043	9.705	0.026		0.857	0.003	G	0.90	0.00	H	9.8041	0.0020	0.022	144		9.77	9.85		C			1								
78243	10.609	0.037	10.165	0.039		0.419	0.049	T	0.49	0.05	L	10.1874	0.0026	0.028	129		10.13	10.24					1								
78244	9.474	0.017	8.479	0.012		0.870	0.015	T	0.88	0.01	L	8.5131	0.0009	0.012	98		8.49	8.53		D			1								S
78245	9.522	0.018	9.079	0.018		0.432	0.020	T	0.50	0.02	L	9.1382	0.0021	0.015	102		9.11	9.16		C			1								
78246	5.313	0.003	5.420	0.003		−0.092	0.004	T	−0.07	0.01	L	5.4030	0.0021	0.018	107		5.38	5.43	0.98	P 1 A			1								S P
78247	9.171	0.017	7.884	0.010		1.095	0.015	T	1.06	0.02	L	7.9311	0.0015	0.013	81		7.91	7.96					1								S
78248	9.576	0.017	9.213	0.018		0.360	0.015	G	0.42	0.02	H	9.2541	0.0023	0.022	121		9.22	9.29					1								
78249	10.367	0.031	8.375	0.012		1.687	0.027	T	2.07	0.07	O	8.2507	0.0018	0.018	96		8.22	8.28					1								
78250	9.972	0.019	8.125	0.008		1.536	0.016	T	1.59	0.04	L	8.0518	0.0015	0.018	144		8.02	8.08			15586−8045	I 1	1 S								
78251	9.734	0.020	9.064	0.018		0.637	0.005	G	0.70	0.00	H	9.0888	0.0021	0.018	106		9.07	9.12					1								
78252	10.134	0.025	8.845	0.015		1.096	0.023	T	1.06	0.02	L	8.9073	0.0024	0.020	129		8.87	8.95					1								
78253	10.202	0.027	8.944	0.016		1.072	0.025	T	1.04	0.02	L	8.9948	0.0014	0.012	103		8.98	9.02		C			1								
78254	9.359	0.017	8.783	0.016		0.538	0.021	T	0.61	0.02	L	8.8703	0.0013	0.016	94		8.85	8.90		D			1								
78255	10.298	0.033	9.159	0.021		0.972	0.031	T	0.96	0.03	L	9.2011	0.0020	0.017	97		9.17	9.23					1								
78256	10.325	0.028	9.946	0.031		0.359	0.039	T	0.42	0.04	L	9.9562	0.0032	0.035	161		9.87	10.02					1 X								G
78257						0.625	0.126	G	0.69	0.11	R	11.7678	0.0065	0.060	163		11.63	11.87					1								D
78258	9.533	0.020	7.606	0.008		1.599	0.017	T	1.62	0.02	L	7.5145	0.0014	0.011	96		7.49	7.54					1 G								S
78259	9.496	0.014	8.315	0.009		0.995	0.006	G	1.04	0.01	I	8.3349	0.0057	0.068	209		8.24	8.44	9.43	P 1 A			1								
78260	9.384	0.013	7.525	0.006		1.545	0.011	T	1.61	0.02	L	7.4879	0.0012	0.016	193		7.46	7.51		M			1								S
78261	10.545	0.032	9.247	0.017		1.104	0.028	T	1.07	0.03	L	9.2479	0.0015	0.015	117		9.22	9.27		C			1								
78262	9.634	0.023	7.870	0.011		1.470	0.020	T	1.48	0.03	L	7.8608	0.0014	0.011	69		7.84	7.88		C			1								S
78263	9.128	0.015	8.724	0.016		0.395	0.018	T	0.46	0.02	L	8.7512	0.0024	0.018	89		8.72	8.78					1 S								
78264	9.077	0.016	8.545	0.015		0.507	0.016	T	0.58	0.02	L	8.6132	0.0016	0.016	102		8.58	8.64					1								
78265	2.683	0.002	2.865	0.002		−0.180	0.005	G	−0.18	0.02	A	2.8274	0.0015	0.013	100		2.81	2.85	1.57	P 1 A	15589−2607	I 1	1								S
78266	9.098	0.017	8.995	0.021		0.127	0.004	G	0.14	0.00	H	8.9996	0.0026	0.019	76		8.97	9.03		C			1								
78267	8.699	0.012	8.069	0.010		0.581	0.012	T	0.65	0.01	L	8.1258	0.0012	0.013	105		8.10	8.15					1								S
78268	8.863	0.028	8.185	0.020	*	0.627	0.028	T	0.69	0.03	L *	8.3582	0.0015	0.009	58	*	8.34	8.37		D	15589−0304	I 1	2 C A	AB	71	2.254	0.005		0.19	0.01	S
78269	10.203	0.038	8.564	0.017							T	8.5969	0.0020	0.017	105		8.57	8.63		D	15589+2148	I 2	1								
78270	8.664	0.011	8.380	0.012		0.281	0.015	G	0.32	0.02	H	8.4121	0.0017	0.012	124		8.39	8.43					1								S
78271	10.585	0.040	8.618	0.014		1.631	0.034	T	1.65	0.04	L	8.5560	0.0019	0.014	93		8.53	8.58					1 S								
78272	8.753	0.018	8.443	0.019	*	0.294	0.024	T	0.34	0.03	L *	8.5695	0.0018	0.019	105	*	8.53	8.61		D	15589+2148	I 2	2 C A	BC	26	4.026	0.006		0.02	0.02	S
78273	10.638	0.040	9.056	0.019		1.326	0.035	T	1.29	0.04	L	9.0509	0.0022	0.017	88		9.02	9.09					1								
78274	12.547	0.313	11.136	0.157		0.748	0.126	G	0.79	0.11	R	11.0697	0.0039	0.040	117		11.00	11.13		C			1								G
78275	8.910	0.017	8.614	0.018		0.285	0.015	G	0.32	0.02	H	8.6726	0.0017	0.016	61		8.64	8.71					1								S
78276	7.610	0.007	5.772	0.003		1.529	0.006	T	1.57	0.01	L	5.7279	0.0011	0.009	130		5.71	5.75					1								S
78277	9.681	0.017	9.249	0.017		0.408	0.022	T	0.47	0.02	L	9.2764	0.0019	0.021	163		9.24	9.31		C			1								
78278	10.023	0.016	8.894	0.011		0.972	0.015	T	0.96	0.01	L	8.9622	0.0014	0.020	214		8.93	9.00		C			1								
78279	5.657	0.003	5.734	0.003	*	−0.066	0.003	G	−0.04	0.00	H *	5.7305	0.0007	0.006	133	*	5.72	5.74			15590−6502	I 1	2 C C	AC	326	0.249	0.025		3.56	0.52	S
78280	11.037	0.045	10.271	0.036		0.698	0.045	T	0.75	0.04	L	10.3819	0.0028	0.029	142		10.34	10.44		C			1								
78281	8.952	0.012	7.886	0.008		0.924	0.011	T	0.92	0.01	L	7.9350	0.0011	0.012	125		7.91	7.95		C			1 G								S
78282	9.289	0.021	8.872	0.021		0.394	0.027	T	0.46	0.03	L	8.9108	0.0024	0.019	69		8.89	8.95		C			1								
78283	8.413	0.009	7.861	0.008		0.517	0.011	T	0.59	0.01	L	7.9052	0.0013	0.012	129		7.89	7.93		C			1								S
78284	11.451	0.080	10.602	0.060		0.762	0.075	T	0.80	0.05	L	10.7743	0.0032	0.028	108		10.73	10.83		C			1								G
78285	10.723	0.051	9.624	0.032		0.949	0.046	T	0.94	0.03	L	9.6648	0.0037	0.021	66		9.63	9.71		C			1								
78286	6.375	0.003	6.071	0.004		0.289	0.005	T	0.33	0.01	L	6.1169	0.0010	0.008	100		6.10	6.13					1								S
78287	10.106	0.025	9.612	0.026		0.465	0.033	T	0.54	0.04	L	9.6614	0.0039	0.023	89		9.63	9.70					1								G
78288	8.589	0.008	7.238	0.005		1.145	0.007	T	1.11	0.01	L	7.2726	0.0010	0.011	189		7.25	7.29					1								S
78289	9.786	0.018	9.105	0.016		0.660	0.010	G	0.72	0.01	H	9.1210	0.0020	0.026	143		9.09	9.16					1								
78290	9.369	0.014	7.978	0.008		1.176	0.013	T	1.14	0.01	L	8.0051	0.0014	0.013	115		7.98	8.03					1								S
78291	10.508	0.038	9.350	0.023		0.994	0.035	T	0.97	0.03	L	9.4168	0.0027	0.022	97		9.38	9.45		R			1								
78292	10.779	0.038	10.014	0.031		0.682	0.037	T	0.74	0.03	L	10.0568	0.0037	0.035	158		10.00	10.14					1 S								G
78293	10.076	0.029	8.809	0.017		1.079	0.026	T	1.04	0.02	L	8.8217	0.0027	0.018	84		8.79	8.86					1								
78294	10.512	0.039	8.621	0.014		1.571	0.033	T	1.59	0.03	L	8.5704	0.0026	0.022	90		8.53	8.60					1								
78295	8.772	0.009	8.132	0.008		0.652	0.003	G	0.72	0.00	H	8.1793	0.0009	0.011	131		8.16	8.20		C			1								S
78296	9.695	0.022	9.183	0.021		0.563	0.015	G	0.64	0.01	H	9.1894	0.0018	0.016	97		9.16	9.23					1								
78297	10.279	0.031	9.552	0.026		0.653	0.031	T	0.72	0.03	L	9.6205	0.0023	0.023	98		9.59	9.66		C			1								G
78298	9.648	0.019	8.430	0.012		1.097	0.015	G	1.06	0.02	H	8.4645	0.0011	0.015	100		8.44	8.49		C			1								S
78299	8.812	0.007	8.372	0.007		0.436	0.015	G	0.50	0.02	H	8.4335	0.0015	0.022	286		8.40	8.47		U			1 S								
78300	9.215	0.011	8.803	0.011		0.367	0.012	G	0.43	0.01	H	8.8692	0.0020	0.021	176		8.83	8.90					1								

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)												Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	α*	δ	α*	π	δ	π	α*	δ	π	$\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr														%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28			29	30
*78301 H	15 59 18.20	−49 21 59.1	8.90	H	239.825 812 96	−49.366 406 87	A	9.83	−30.33	−34.97	1.91	1.42	1.66	1.57	1.67	+18	− 2	−22	+ 1	−13	−12	−16	+26	−18	− 1			3	0.41
78302	15 59 18.91	+22 26 49.4	8.45	H	239.828 798 62	+22.447 048 67		6.26	−8.06	−91.62	0.81	0.85	1.22	0.94	1.05	+14	− 3	−16	−41	−50	+14	−50	+ 9	−22	+15			0	0.74
78303	15 59 19.14	−30 29 28.0	8.27	H	239.829 766 28	−30.491 122 48		10.26	40.14	−5.65	0.88	0.57	1.12	1.11	0.99	−33	−17	− 9	+18	− 8	− 6	+ 2	+41	−19	−40			0	−0.06
78304	15 59 19.86	−05 33 37.7	9.65	G	239.832 737 11	−05.560 485 22		3.74	23.28	−58.53	1.51	0.84	1.58	2.02	1.60	−30	−42	+17	−11	+11	+12	+ 8	+ 8	+ 3	−15			0	−1.31
78305	15 59 20.28	+05 21 56.7	10.63	G	239.834 518 57	+05.365 762 28		10.50	−32.41	−6.64	2.00	1.48	2.36	2.19	2.13	−37	−52	+ 8	+35	− 5	−12	− 9	+14	+14	−40			2	−0.77
78306	15 59 20.31	−33 00 43.7	6.97	H	239.834 633 51	−33.012 147 40		4.02	−9.74	−17.79	0.78	0.52	1.00	1.00	0.81	−19	−12	−32	− 8	+13	−13	+16	+16	− 3	−35			0	−0.39
78307	15 59 20.56	+19 46 47.3	10.95	3 H	239.835 671 51	+19.779 808 62	*	−16.33	−14.59	0.11	7.31	3.86	7.71	12.80	7.69	+13	−78	−18	+64	− 4	−35	+19	+39	− 4	+71			23	0.94
78308	15 59 21.51	−37 31 47.9	8.43	H	239.839 604 67	−37.529 979 67		8.21	−79.93	−33.45	1.00	0.68	1.18	1.30	0.90	−10	−14	−27	+32	− 6	+14	+ 0	+46	−19	−11			2	0.44
78309	15 59 22.72	−55 53 43.6	10.27	H	239.844 648 01	−55.895 438 29		0.06	−0.96	5.05	1.37	1.24	2.02	1.97	1.78	+ 3	− 5	− 2	−10	+ 6	−36	+ 3	+10	−30	+31			4	0.52
78310	15 59 23.75	−58 43 34.4	7.07	1 H	239.848 941 00	−58.726 209 26		−1.91	−5.02	−2.93	0.60	0.57	0.81	0.68	0.69	+ 9	−15	− 3	+55	+27	−10	+29	+53	−18	+14			0	1.58
78311	15 59 24.41	+00 40 28.9	9.84	G	239.851 690 17	+00.674 708 28		4.18	11.58	−12.96	1.47	1.10	1.66	2.01	1.87	−55	−35	+12	+27	−38	− 1	−44	+43	+12	−43			0	−0.78
78312	15 59 24.56	−61 06 19.4	8.94	H	239.852 337 43	−61.105 394 80		10.22	42.09	−45.12	1.06	1.30	1.20	1.34	1.70	−54	− 6	− 7	+62	−48	+ 1	−44	+73	− 9	−66			2	−0.65
78313	15 59 25.92	−30 19 55.7	9.61	G	239.857 979 56	−30.332 148 71		19.23	−77.68	−149.81	1.37	0.78	1.75	1.73	1.53	−17	−22	−16	+19	−14	−16	− 7	+49	−18	−31			0	1.45
78314	15 59 26.40	−18 15 09.2	9.99	G	239.859 988 92	−18.252 569 19		7.85	7.84	−26.03	1.42	0.72	1.60	1.75	1.41	−16	−26	− 2	+ 4	− 4	+23	+ 7	+27	−27	−29			2	−0.03
78315	15 59 27.32	−12 59 20.7	10.04	H	239.863 829 51	−12.989 072 70		7.31	−7.17	−28.01	1.64	0.86	1.69	1.71	1.44	−18	−30	+ 9	+19	− 2	+18	+ 4	+36	−10	−19			0	0.48
78316	15 59 27.60	−27 00 58.6	7.02	H	239.865 011 50	−27.016 270 57		2.27	−9.13	−9.33	0.84	0.46	1.05	0.92	0.76	− 3	−41	−16	− 3	−14	+38	+11	+36	−32	−39			2	0.04
78317	15 59 28.40	−40 21 51.1	11.41	3 H	239.868 313 85	−40.364 180 61		9.26	−9.36	−22.12	2.56	1.66	2.83	3.13	2.04	−10	−22	−18	−24	+20	− 5	+18	−20	+ 1	− 7			0	−1.89
78318	15 59 28.98	−49 36 32.6	8.82	H	239.870 755 29	−49.609 062 24		−0.40	1.75	−4.34	1.03	1.03	1.25	1.32	1.48	−27	− 3	+ 5	+17	−35	− 1	−37	+54	− 8	−27			0	−0.18
78319	15 59 29.03	+25 26 05.3	7.79	H	239.870 972 13	+25.434 794 45		−0.34	−27.95	18.27	0.49	0.59	0.97	0.64	0.79	+40	− 3	+19	+ 5	+13	+25	+ 7	+26	+12	+45			1	−1.68
78320	15 59 29.24	−44 47 41.8	10.28	H	239.871 813 97	−44.794 956 07		3.11	−29.85	−37.22	1.80	1.33	2.09	2.26	1.72	− 9	−15	−24	+27	− 9	+18	− 5	+41	− 6	− 2			0	0.06
78321	15 59 30.07	+10 29 00.0	8.50	H	239.875 307 78	+10.483 344 56		9.14	−21.61	−63.90	1.04	0.92	1.20	1.43	1.38	−30	−25	−26	+12	−29	− 1	−25	+38	−11	−49			2	1.19
78322	15 59 30.17	+25 55 12.5	10.08	2 H	239.875 687 52	+25.920 140 87		−1.61	−5.93	10.73	0.89	0.97	1.63	1.18	1.40	+27	− 4	+ 9	+ 0	−13	+ 8	−16	+14	− 7	+30			0	2.25
78323	15 59 30.30	−41 44 39.8	4.99	H	239.876 232 69	−41.744 396 02		8.59	−37.76	−16.51	0.64	0.47	0.79	0.62	0.60	−15	−34	−26	+ 2	−18	−19	−11	+34	−10	−53			0	0.12
78324	15 59 30.89	−40 51 54.4	8.19	G	239.878 725 90	−40.865 116 30		5.98	−15.92	−19.89	0.83	0.60	1.00	0.81	0.68	−24	−24	−26	+ 0	+10	−10	+14	+15	− 8	−38			0	1.14
78325	15 59 33.29	+64 53 36.1	7.52	H	239.888 711 82	+64.893 349 35		3.00	−13.23	10.41	0.55	0.51	0.56	0.54	0.56	+22	−14	−15	−16	− 2	−15	− 2	− 1	−13	+19			0	−0.57
78326	15 59 35.99	−62 48 53.9	7.05	H	239.899 967 99	−62.814 978 99		3.72	−2.39	−4.27	0.53	0.61	0.84	0.68	0.76	−17	−10	+ 3	+ 7	+13	−12	+10	+34	+12	−14			1	0.29
78327	15 59 37.16	+53 09 10.3	7.86	H	239.904 851 08	+53.152 873 52		2.68	30.89	28.42	0.63	0.59	0.68	0.70	0.68	+ 9	−14	−13	− 1	+ 4	− 5	+ 2	+ 4	+ 3	+23			0	−0.45
78328	15 59 37.91	+64 44 42.5	8.61	H	239.907 940 46	+64.745 139 56		2.38	−17.35	9.41	0.71	0.65	0.71	0.69	0.72	+21	−18	−14	−24	− 1	− 7	+ 0	− 2	− 9	+21			0	1.35
78329 H	15 59 37.97	−70 14 28.8	10.40	H	239.908 195 79	−70.241 339 05	A	3.21	−11.04	−4.46	1.83	2.37	2.91	1.86	2.60	+37	−13	−11	+ 2	+12	− 9	+11	+26	−11	+33			0	−0.97
*78330	15 59 38.32	−29 37 56.8	7.34	H	239.909 673 27	−29.632 457 82		27.71	−79.20	−40.97	0.73	0.45	0.91	0.87	0.76	−27	−21	+ 3	+24	− 7	+21	+ 0	+42	−31	−20			0	−0.37
*78331 H	15 59 38.28	−56 11 42.5	9.68	H	239.909 510 35	−56.195 132 07	*	1.78	−2.53	6.23	1.22	1.00	1.57	1.48	1.33	+14	+ 1	− 5	− 8	+ 3	−21	+ 1	+ 7	−10	+18			2	0.17
78332	15 59 41.26	−10 47 56.6	9.76	2 H	239.921 928 18	−10.799 049 77		12.65	−43.96	10.39	3.63	2.20	3.80	4.49	3.22	−29	−12	+ 4	+23	+ 4	+21	+ 6	+23	− 1	− 6			0		
78333	15 59 41.30	−07 18 07.3	6.64	H	239.922 084 21	−07.302 033 81		6.03	−12.39	−9.96	0.80	0.47	0.90	1.05	0.85	−13	−33	−10	+26	+ 8	−29	+ 4	+14	+20	−32			0	1.52
78334	15 59 41.81	+38 29 40.2	8.72	H	239.924 201 75	+38.494 499 51		1.92	−13.95	20.63	0.65	0.72	0.89	0.74	0.87	+ 6	− 6	− 8	− 5	− 3	+16	+ 3	+12	−18	−23			0	1.43
78335	15 59 42.28	+45 27 10.4	9.08	H	239.926 186 34	+45.452 902 17		9.79	−21.22	−2.79	0.83	0.82	1.00	0.97	1.08	+23	−25	−17	+ 0	+ 7	+ 2	+ 4	− 5	+19	+33			0	−1.81
78336	15 59 42.36	−05 04 33.7	9.04	H	239.926 479 71	−05.076 018 83		30.24	−108.17	−94.20	1.25	0.75	1.36	1.74	1.32	−33	−28	+10	+ 5	+ 4	+ 5	+11	+ 5	−24	−11			0	−0.10
78337	15 59 44.65	−67 58 16.7	9.61	H	239.936 039 59	−67.971 302 25		0.69	−24.39	−8.90	0.72	1.12	1.47	0.86	1.37	+31	−13	+ 9	+23	+17	−10	+14	+47	+ 6	+41			0	2.82
78338	15 59 44.73	+23 35 28.7	9.05	H	239.936 376 25	+23.591 303 75		0.76	−10.75	−17.01	0.68	0.95	1.27	0.86	1.26	−31	+11	−14	+56	−22	+11	−19	+21	+ 6	−27			0	0.94
78339	15 59 44.91	−62 37 59.3	8.95	H	239.937 141 73	−62.633 145 89		1.29	−14.52	−14.37	0.80	0.91	1.28	0.98	1.13	−12	−19	+ 4	+20	+12	−12	+10	+34	+ 8	−11			1	−0.04
78340	15 59 45.25	+40 47 31.6	10.00	H	239.938 535 13	+40.792 124 86		8.06	31.26	−16.08	0.83	0.90	1.05	1.06	1.04	+17	+ 1	+ 8	−10	+ 8	+ 8	+ 9	+ 4	+ 7	+ 5			0	−0.54
78341	15 59 46.81	−06 07 38.9	7.40	H	239.945 041 78	−06.127 480 63		4.20	−7.57	−25.43	1.01	0.68	1.10	1.43	1.31	−44	−28	+11	+18	−14	−19	−15	+34	+26	−51			0	−0.65
78342	15 59 46.96	−09 57 20.3	9.88	H	239.945 663 15	−09.955 648 80		1.84	−13.00	−1.86	1.37	0.74	1.50	1.74	1.20	−19	−19	+ 3	+13	+ 4	+26	+ 7	+22	−18	− 1			2	0.40
78343	15 59 47.68	−35 50 43.0	7.65	H	239.948 686 29	−35.845 271 11		32.77	100.94	−66.86	0.82	0.59	0.96	1.09	0.83	−18	−13	− 6	+23	− 1	+ 1	− 1	+46	−16	− 9			0	0.75
78344	15 59 49.23	+39 49 13.4	9.08	H	239.955 121 69	+39.820 386 18		2.59	14.22	−25.80	0.74	0.77	0.90	0.86	0.84	+25	+ 0	− 6	+15	+19	−11	+18	+23	− 3	+19			0	−0.12
78345	15 59 49.53	−36 28 27.5	11.00	2 G	239.956 378 79	−36.474 312 80		13.78	−16.20	−48.89	2.35	1.82	3.22	2.79	2.57	−25	− 9	−37	− 2	−16	− 4	−14	+48	−38	−29			8	3.67
78346	15 59 50.03	−64 51 14.9	6.89	2 H	239.958 458 18	−64.854 137 58		0.89	−0.40	−4.47	0.45	0.53	0.79	0.60	0.71	+ 3	− 6	− 5	− 4	+10	−17	+12	+15	−11	− 6			1	0.14
78347	15 59 50.61	−80 10 40.9	8.53	G	239.960 872 28	−80.178 028 65		4.28	12.85	−2.91	0.62	0.66	0.82	0.62	0.77	+10	−22	− 5	+ 8	−13	−10	−16	+ 6	+ 2	+ 2			1	−0.10
78348	15 59 51.16	+31 20 23.0	8.70	H	239.963 166 06	+31.339 719 47		7.10	−19.33	−3.93	0.65	0.71	1.05	0.71	0.83	+ 5	− 9	+ 2	+11	+ 3	− 8	+ 1	+ 0	− 4	−17			1	−0.82
*78349	15 59 51.79	−07 01 36.3	7.87	H	239.965 797 68	−07.026 737 77		2.22	−7.28	−8.44	1.21	0.66	1.38	1.68	1.54	−41	−44	+16	+38	−25	−39	−25	+42	+35	−61			0	−0.27
*78350	15 59 51.79	−32 39 39.2	8.35	H	239.965 790 86	−32.660 881 53		6.07	21.13	−11.21	1.01	0.62	1.29	1.49	1.08	−11	−10	−18	+ 3	+ 7	−16	+ 8	+32	+12	−21			0	0.52
78351 H	15 59 52.20	−67 21 59.0	10.00	H	239.967 489 73	−67.366 393 22	A	2.37	−3.17	−8.01	1.31	1.85	2.14	1.26	1.97	− 4	−16	− 4	+ 2	− 4	− 4	− 4	+37	−10	+ 2			1	−0.26
78352	15 59 52.82	−31 10 06.1	6.57	H	239.970 078 32	−31.168 362 21		8.44	12.06	−36.29	0.75	0.47	0.94	1.14	0.87	−26	− 7	− 4	+ 7	+ 0	−15	+ 6	+38	+ 5	−37			0	−0.32
78353	15 59 53.26	−08 15 11.3	10.49	G	239.971 926 34	−08.253 143 27		71.84	204.30	−23.15	1.82	1.12	1.91	2.05	1.86	−10	−31	− 9	+26	+ 4	−14	+10	+24	− 3	−26			0	0.80
78354	15 59 53.44	−07 53 16.5	8.59	G	239.972 680 15	−07.887 905 93		8.07	5.40	−48.26	1.20	0.69	1.25	1.40	1.17	−11	−26	−12	+32	+ 0	− 6	+ 6	+33	−10	−16			0	0.23
78355	15 59 54.15	−54 01 15.2	6.10	H	239.975 620 34	−54.020 891 27		2.53	−6.98	−8.01	0.58	0.53	0.71	0.72	0.68	− 9	−17	−16	+20	− 1	+ 6	+ 1	+35	− 1	−15			0	0.22
78356	15 59 54.67	+45 14 55.2	10.53	H	239.977 809 83	+45.248 668 38		22.27	−122.99	26.57	1.05	1.20	1.33	1.18	1.34	− 5	− 2	−19	−19	+ 8	−10	+ 6	− 6	+ 3	− 3			0	0.07
78357	15 59 54.79	−46 17 56.5	7.71	H	239.978 300 53	−46.299 036 99		5.74	−19.55	−32.08	0.76	0.63	0.93	0.79	0.82	−13	−34	−27	+13	−26	+ 2	−10	+47	−19	−53			0	0.32
78358	15 59 54.84	−56 48 40.7	7.59	H	239.978 520 59	−56.811 308 55		4.63	−18.11	−30.88	0.68	0.63	0.92	0.74	0.76	+ 8	−13	−26	+ 4	+ 3	−19	− 2	+ 5	− 3	− 3			2	0.29
78359	15 59 55.06	−33 23 07.0	6.83	H	239.979 412 91	−33.385 284 47		8.44	−11.63	−18.71	0.76	0.50	0.95	0.99	0.74	−22	− 1	−30	−16	+17	−25	+18	+13	+ 5	−36			0	0.50
78360 H	15 59 55.14	−78 01 37.6	6.40	H	239.979 743 91	−78.027 098 71	A	11.82	−1.68	−73.47	0.90	1.09	0.95	0.82	1.05	+ 6	−13	+ 2	−14	+ 0	+10	+ 3	+ 9	−10	− 3			4	1.65
78361 H	15 59 56.16	−58 02 52.7	7.72	H	239.983 983 06	−58.047 964 41	A	3.95	−17.13	−12.75	1.48	1.37	1.63	1.50	1.52	+19	−17	−29	+30	+20	− 7	+23	+25	−10	+38			3	0.33
78362	15 59 56.34	−52 46 32.3	9.42	H	239.984 734 02	−52.775 638 58		2.22	−17.96	−15.72	1.26	0.97	1.48	1.44	1.28	+22	−37	−16	+31	+28	− 9	+30	+40	−16	+33			0	−2.68
78363	15 59 56.57	+40 53 35.1	8.47	H	239.985 720 52	+40.893 082 61		1.24	−24.51	16.26	0.65	0.67	0.81	0.74	0.74	+ 4	+ 3	− 8	−13	− 3	− 2	+ 0	+ 8	−13	−11			0	−0.50
78364	15 59 56.74	+08 25 03.1	9.65	H	239.986 409 25	+08.417 537 49		6.52	−39.43	−36.83	1.38	1.17	1.68	1.69	1.81	−35	−13	−14	+20	−17	+ 7	−15	+11	−26	−47			0	−0.57
78365	15 59 57.36	−74 36 18.2	7.91	H	239.989 014 98	−74.605 051 02		1.61	6.37	4.31	0.56	0.64	0.82	0.64	0.84	+25	− 9	− 7	− 6	+ 2	−14	− 2	+11	− 5	+39			0	−0.79
78366	15 59 57.83	+50 48 20.8	8.67	H	239.990 979 03	+50.805 780 93		3.54	−20.78	−0.70	0.67	0.68	0.76	0.74	0.77	+12	−13	+12	− 8	+ 0	− 1	− 3	+14	+ 6	+24			0	0.24
78367	15 59 57.84	−40 39 11.1	6.51	H	239.991 017 83	−40.653 090 68		1.99	−1.87	−8.09	0.69	0.48	0.79	0.71	0.56	−23	−25	−14	+ 7	+ 6	−10	+ 8	+21	+ 3	−37			0	1.06
78368	15 59 58.02	+21 37 19.1	7.60	H	239.991 738 70	+21.621 973 86		3.39	10.88	−22.65	0.86	0.76	1.11	0.94	0.95	+12	− 8	−11	−10	−32	+ 1	−32	+18	−18	+ 6			2	1.04
78369 H	15 59 59.04	+20 09 51.5	8.98	H	239.995 996 51	+20.164 302 53	*	0.86	−16.47	10.91	0.84	0.85	1.19	0.85	0.94	+21	−32	−25	−26	−45	+22	−39	+14	− 5	+ 9			5	1.42
78370	15 59 59.68	+24 17 20.8	8.07	H	239.998 657 28	+24.289 119 88		4.99	−1.73	2.30	0.48	0.59	1.00	0.57	0.78	+21	− 3	+ 5	+23	+ 3	+ 4	+ 2	+22	+14	+15			1	−0.21
78371	15 59 59.78	−31 25 41.1	8.91	H	239.999 064 94	−31.428 085 25		2.23	−5.36	−8.81	1.19	0.67	1.40	1.73	1.28	−10	− 5	+ 5	+23	+ 6	+ 5	+17	+42	+ 9	−26			0	0.29
78372	16 00 00.21	−36 17 56.7	9.77	G	240.000 861 92	−36.299 078 44		18.26	78.73	−14.97	1.43	0.99	1.76	1.75	1.48	−20	−18	−12	+ 5	−11	+ 4	− 4	+43	−26	−27			0	0.76
78373	16 00 00.89	+49 50 16.5	8.55	H	240.003 703 79	+49.837 929 69		0.95	− 3.19	3.55	0.66	0.63	0.72	0.68	0.72	+16	+ 2	+ 4	−18	− 2	+ 8	+ 3	+10	+ 4	− 2			3	1.25
78374 H	16 00 00.97	−23 12 01.0	8.93	H	240.004 058 24	−23.200 266 28	A	7.61	15.91	5.81	2.78	1.91	2.60	3.26	3.13	− 9	− 4	−17	+ 8	−38	+12	−19	+49	−10	−65			1	−0.34
78375	16 00 00.99	+22 59 45.8	7.81	H	240.004 122 92	+22.996 067 62		3.81	10.50	7.09	0.48	0.65	0.96	0.62	0.86	−20	− 1	− 1	+ 4	−34	+17	−36	+17	−12	−14			0	0.52
78376	16 00 01.81	+49 54 00.2	7.95	H	240.007 552 78	+49.900 062 90		7.39	−43.02	31.79	0.57	0.58	0.65	0.60	0.66	+ 4	+ 4	− 3	− 9	− 6	+ 4	− 4	+ 8	+ 1	− 9			2	0.09
78377	16 00 02.16	+00 37 25.0	7.20	1 H	240.009 001 78	+00.623 621 50		2.38	−17.49	11.24	0.85	0.68	0.93	1.03	1.00	−54	−29	+ 4	+42	−38	+ 3	−40	+48	+12	−47			0	−0.28
78378	16 00 02.43	−53 51 05.1	8.02	H	240.010 145 46	−53.851 409 63		5.57	−23.36	−35.44	0.82	0.73	1.00	1.02	0.98	−11	−17	−12	+16	− 3	+10	+ 0	+38	−10	−15			0	−0.65
78379	16 00 02.52	+83 24 14.7	7.35	H	240.010 508 16	+83.404 077 85		2.09	−10.16	9.38	0.50	0.52	0.63	0.52	0.67	+25	−29	−24	−16	+ 8	+ 0	+ 6	−23	+10	− 8			1	0.56
78380	16 00 02.66	−07 07 21.6	8.00	G	240.011 079 41	−07.122 662 58		9.96	−11.39	−20.71	1.11	0.66	1.36	1.50	1.40	−29	−37	+ 9	+35	−13	−43	−17	+33	+44	−56			0	0.22
78381	16 00 05.19	−27 31 43.4	9.67	H	240.021 618 86	−27.528 733 96		2.97	−3.43	−12.57	1.45	0.69	1.68	1.44	1.26	+ 8	−44	−13	− 7	−11	+29	+15	+34	−32	−35			6	1.39
*78382	16 00 06.24	+63 08 36.3	9.60	H	240.025 989 48	+63.143 419 04		13.38	−60.49	15.33	0.85	0.89	0.93	0.91	0.96	− 2	− 6	−12	−14	− 1	− 4	+ 2	+28	−15	−10			4	−0.56
*78383	16 00 06.22	+08 37 07.4	9.38	H	240.025 915 56	+08.618 732 96		7.65	−55.09	−62.88	1.36	1.28	1.64	1.88	1.84	−48	− 5	−20	+36	−16	+18	−10	+ 7	−11	−46			0	0.93
78384	16 00 07.34	−38 23 47.9	3.42	1 G	240.030 585 43	−38.396 640 79		6.61	−16.58	−27.06	0.64	0.49	0.78	0.69	0.64	−36	−30	−18	− 2	+ 2	−19	+ 2	+12	+ 4	−57			4	1.34
78385	16 00 11.28	−26 10 23.2	11.04	H	240.046 992 12	−26.173 098 74	C	−6.44	0.41	−30.57	87.75	36.44	4.57	7.08	3.46	+ 1	+ 2	+ 2	+ 3	+ 3	+59	+ 2	+ 3	− 7	+18			38	0.63
78386	16 00 11.74	−26 10 38.7	8.71	G	240.048 918 50	−26.177 415 82	A	−6.44	0.41	−30.57	5.51	2.51	4.57	7.08	3.46	+34	+29	+24	+54	+38	+59	+31	+42	− 7	+18			38	0.63
78387	16 00 11.81	+44 16 46.6	6.78	H	240.049 203 13	+44.279 617 36		7.06	28.80	−46.48	0.49	0.49	0.59	0.52	0.57	− 6	+ 3	− 8	+ 0	+ 9	− 7	+10	+ 7	+ 2	−26			0	−0.05
78388	16 00 11.90	+09 48 46.9	9.79	H	240.049 603 21	+09.813 023 79		2.15	0.77	5.87	1.46	1.30	1.84	2.22	1.98	−40	− 4	−34	+ 4	−13	− 6	−16	+10	− 6	−51			0	−0.05
78389	16 00 13.23	+15 46 44.8	8.90	H	240.055 119 98	+15.779 104 35		9.99	−39.49	−139.55	1.28	0.88	1.40	1.20	1.14	−11	−49	−11	+ 6	− 6	+21	+ 3	+10	−14	−26			0	−0.15
78390	16 00 14.40	+06 48 49.1	8.46	H	240.060 013 42	+06.813 645 50		3.53	−60.35	−23.77	1.13	0.78	1.39	1.21	1.06	−11	−55	− 6	+24	+ 1	+ 2	+13	+19	−18	+ 0			0	−0.31
78391	16 00 14.78	+17 10 45.5	8.37	H	240.061 592 19	+17.179 310 09		4.94	− 7.63	4.25	1.10	0.93	1.28	1.14	1.32	−30	−46	+ 6	+35	− 8	− 7	− 2	+22	− 6	−29			0	0.41
78392	16 00 15.64	+73 56 08.0	7.84	H	240.065 148 19	+73.935 555 04		3.18	−27.93	31.23	1.09	1.12	1.21	0.99	1.28	+14	−33	−27	−21	− 9	+ 5	−11	− 9	+ 5	+ 3			0		
78393	16 00 15.79	−55 33 47.6	9.26	H	240.065 780 69	−55.563 230 26		15.10	−82.04	−108.40	1.19	0.97	1.60	1.89	1.51	+13	− 7	−22	+ 2	+17	−40	+ 6	+25	−18	+33			0	0.37
78394 H	16 00 16.03	+11 40 17.9	8.82	H	240.066 775 39	+11.671 636 03	C	10.01	18.27	−32.18	6.33	5.20	2.41	3.02	2.40	− 4	− 9	− 8	+ 8	+ 0	+21	− 4	− 3	− 7	+ 0			0	1.24
78395	16 00 16.43	−01 47 54.4	10.28	G	240.068 453 85	−01.798 443 02		31.67	118.40	−150.53	1.82	1.31	1.81	2.18	1.92	−29	−31	+ 0	+43	−23	−10	−19	+53	−17	−16			0	−1.24
78396 H	16 00 16.53	−05 04 53.8	8.24	H	240.068 862 47	−05.081 614 87	*	7.47	−24.43	−19.55	2.87	1.65	1.58	2.07	1.44	−22	−10	−19	− 7	−12	− 2	−22	+31	− 4	+ 2			0	−0.10
78397 H	16 00 18.28	+58 56 03.0	8.25	H	240.076 169 40	+58.934 156 33	A

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data										Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
78301	9.397	0.019	8.970	0.020	A	0.700	0.495	G	0.45	0.04	L *	8.9919	0.0029	0.022	79	*	8.96	9.03		C	15593−4922	I 1	2 C D	AB	99	1.514	0.133	3.88	0.51	D
78302	9.609	0.014	8.561	0.010		0.910	0.013	T	0.91	0.01	L	8.6070	0.0019	0.019	161		8.58	8.64		C			1							S
78303	8.852	0.011	8.335	0.010		0.495	0.011	T	0.57	0.01	L	8.3818	0.0011	0.013	152		8.36	8.40		C			1							
78304	10.393	0.038	9.753	0.034		0.690	0.015	G	0.75	0.01	H	9.7758	0.0019	0.022	69		9.75	9.81		C			1							
78305	11.368	0.089	10.688	0.078		0.710	0.020	G	0.76	0.02	H	10.7691	0.0030	0.024	57		10.69	10.83		D			1							G
78306	7.000	0.006	6.971	0.006		0.031	0.008	T	0.05	0.01	L	6.9852	0.0008	0.008	96		6.97	7.00		C			1							S
78307						1.500	0.510	G	1.93	0.56	K	11.0411	0.1556	1.107	64		10.27	13.12	285.10	P 1 A			1 V							D
78308	8.909	0.014	8.478	0.014		0.421	0.016	T	0.49	0.02	L	8.5265	0.0023	0.014	78		8.50	8.55					1							
78309	11.863	0.134	10.254	0.051		1.348	0.113	T	1.31	0.13	L	10.4239	0.0031	0.029	90		10.36	10.47		C			1 S							G
78310	7.260	0.005	7.093	0.006		0.160	0.007	T	0.18	0.01	L	7.1252	0.0017	0.015	128		7.10	7.16		U 2			1							S
78311	10.381	0.036	9.926	0.037		0.475	0.015	G	0.55	0.02	H	9.9455	0.0024	0.018	74		9.91	9.98		C			1							
78312	9.746	0.022	9.014	0.019		0.657	0.022	T	0.72	0.02	L	9.0760	0.0023	0.018	94		9.04	9.11		C			1							
78313	10.751	0.040	9.712	0.026		0.872	0.001	G	0.92	0.00	H	9.7601	0.0021	0.023	158		9.71	9.80					1 S							
78314	10.677	0.039	10.146	0.038		0.579	0.020	G	0.65	0.02	H	10.1177	0.0022	0.026	116		10.08	10.16					1							G
78315	10.780	0.054	10.163	0.049		0.541	0.015	G	0.61	0.02	H	10.1617	0.0040	0.028	102		10.12	10.21		C			1							
78316	8.429	0.009	7.140	0.005		1.096	0.008	T	1.06	0.01	L	7.1886	0.0007	0.007	122		7.18	7.20					1							S
78317	12.278	0.267	11.192	0.163		0.930	0.246	T	0.92	0.18	L	11.5593	0.0733	0.638	92		10.68	12.78		U 2			1							D
78318	11.046	0.068	8.998	0.020		1.696	0.056	T	1.72	0.06	L	8.9308	0.0018	0.017	81		8.90	8.96		C			1							
78319	9.725	0.016	7.954	0.007		1.483	0.007	G	1.50	0.01	H	7.9139	0.0010	0.013	222		7.89	7.94					1							S
78320	11.333	0.087	10.391	0.058		0.831	0.078	T	0.85	0.06	L	10.4329	0.0042	0.032	84		10.38	10.50		C			1							G
78321	9.076	0.016	8.533	0.015		0.509	0.020	T	0.58	0.02	L	8.6084	0.0023	0.018	67		8.57	8.65		C			1							S
78322	11.857	0.091	10.290	0.034		1.337	0.080	T	2.06	0.60	K	10.1528	0.0137	0.138	173		9.93	10.33	112.90	P 1 B	15595+2555	I 1	1 S							P
78323	6.239	0.003	5.094	0.003		0.988	0.002	G	0.97	0.00	H	5.1542	0.0006	0.004	90		5.14	5.16		C			1							S
78324	8.360	0.009	8.189	0.011		0.140	0.005	G	0.15	0.01	H	8.2362	0.0016	0.017	102		8.21	8.26					1							
78325	9.281	0.017	7.664	0.009		1.354	0.015	T	1.32	0.02	L	7.6720	0.0008	0.010	108		7.66	7.69					1							S
78326	9.155	0.013	7.219	0.006		1.606	0.011	T	1.63	0.01	L	7.1684	0.0011	0.011	127		7.15	7.19					1							S
78327	9.482	0.015	8.003	0.009		1.245	0.014	T	1.20	0.01	L	8.0199	0.0014	0.014	114		8.00	8.05					1							S
78328	9.891	0.023	8.727	0.015		0.999	0.021	T	0.98	0.02	L	8.7797	0.0019	0.016	111		8.76	8.80					1							S
78329	11.004	0.038	10.533	0.041	A						T *	10.4868	0.0028	0.034	204	*	10.41	10.53		D	15596−7014	I 1	2 C A	AB	205	1.388	0.027	1.96	0.09	G
78330	8.070	0.007	7.405	0.006		0.606	0.007	T	0.68	0.01	L	7.4738	0.0008	0.009	158		7.45	7.49		C			1							S
78331	12.069	0.185	9.883	0.036	*	0.669	0.400	G	1.99	0.16	S *	9.7662	0.0051	0.044	93	*	9.70	9.83		R	15596−5612	H 1	2 C S D	AB	290	0.140	0.017	0.01	0.91	G D
78332	10.482	0.043	9.879	0.041		0.562	0.052	T	0.64	0.05	L	9.8832	0.0045	0.035	74		9.83	9.95		U			1 X S							
78333	6.741	0.005	6.646	0.007		0.093	0.008	T	0.11	0.01	L	6.6752	0.0007	0.005	71		6.67	6.69					1							S
78334	10.278	0.026	8.830	0.013		1.221	0.023	T	1.18	0.02	L	8.8841	0.0020	0.018	134		8.85	8.91					1							
78335	9.595	0.017	9.123	0.016		0.445	0.021	T	0.51	0.02	L	9.1808	0.0021	0.021	111		9.15	9.22					1							
78336	10.240	0.035	9.145	0.023		0.935	0.015	G	0.98	0.02	I	9.1823	0.0013	0.017	67		9.16	9.21					1							
78337	10.617	0.025	9.677	0.018		0.816	0.024	T	0.84	0.02	L	9.7539	0.0023	0.033	235		9.70	9.81					1 S							G
78338	10.974	0.041	9.209	0.015		1.471	0.035	T	1.48	0.05	L	9.1810	0.0018	0.019	155		9.14	9.22					1							
78339	10.210	0.024	9.068	0.016		0.982	0.022	T	0.96	0.02	L	9.1129	0.0024	0.025	118		9.08	9.15					1							
78340	10.696	0.039	10.059	0.035		0.592	0.045	T	0.66	0.04	L	10.1285	0.0030	0.026	132		10.08	10.17		C			1							
78341	8.840	0.014	7.538	0.009		1.107	0.013	T	1.07	0.01	L	7.5684	0.0010	0.014	75		7.55	7.59		C			1							S
78342	11.494	0.099	10.017	0.041		1.244	0.084	T	1.20	0.08	L	10.0430	0.0028	0.020	85		10.00	10.07		C			1							
78343	8.489	0.013	7.725	0.009		0.686	0.015	G	0.74	0.01	H	7.7849	0.0014	0.012	94		7.77	7.81					1							S
78344	9.110	0.013	9.086	0.016		0.027	0.019	T	0.04	0.01	L	9.0963	0.0024	0.020	128		9.06	9.14		C			1							
78345						1.100	0.020	G	1.06	0.02	R	11.1676	0.0062	0.057	79		11.06	11.25		U			1 S							G
78346	9.171	0.013	7.082	0.005		1.767	0.011	T	2.11	0.03	O	6.9612	0.0020	0.019	133		6.93	7.00		U 2			1							S
78347	9.049	0.011	8.562	0.011		0.383	0.001	G	0.45	0.00	H	8.6407	0.0015	0.019	145		8.60	8.67					1							
78348	9.331	0.014	8.759	0.013		0.535	0.017	T	0.61	0.02	L	8.8181	0.0023	0.021	172		8.78	8.85					1							S
78349	9.787	0.029	8.039	0.013		1.457	0.025	T	1.46	0.04	L	8.0041	0.0014	0.012	70		7.98	8.03					1							
78350	9.873	0.024	8.488	0.014		1.172	0.022	T	1.13	0.02	L	8.5214	0.0014	0.013	97		8.50	8.54		C			1							
78351	10.111	0.021	10.044	0.030	*	0.067	0.034	T	0.08	0.04	L *	10.0276	0.0029	0.032	163	*	9.97	10.09		D	15599−6722	H 1	2 C D	AB	155	0.928	0.035	2.76	0.13	G D
78352	7.847	0.007	6.682	0.004		1.000	0.006	T	0.98	0.01	L	6.7380	0.0009	0.008	125		6.73	6.75		C			1							S
78353						1.497	0.021	G	2.12	0.01	A	10.5346	0.0038	0.029	85		10.48	10.59		C			1							G
78354	9.755	0.025	8.697	0.017		0.964	0.015	G	0.95	0.01	H	8.7410	0.0031	0.025	80		8.70	8.79					1							
78355	6.076	0.004	6.099	0.004		−0.016	0.005	T	0.01	0.01	L	6.1020	0.0014	0.008	83		6.09	6.11					1							S
78356	12.469	0.168	10.608	0.053		1.547	0.140	T	1.61	0.30	L	10.6475	0.0033	0.032	115		10.59	10.70		R			1							G
78357	7.900	0.008	7.718	0.008		0.164	0.015	G	0.18	0.01	H	7.7694	0.0013	0.010	110		7.75	7.79		C			1							S
78358	7.826	0.007	7.622	0.009		0.195	0.011	T	0.21	0.01	L	7.6519	0.0009	0.011	88		7.63	7.68		C			1							S
78359	6.884	0.005	6.846	0.006		0.035	0.007	T	0.05	0.01	L	6.8493	0.0006	0.007	104		6.83	6.86		C			1							S
78360	6.869	0.004	6.460	0.005	*	0.387	0.006	T	0.45	0.01	L *	6.4877	0.0006	0.007	151	*	6.48	6.50		D	15599−7802	I 1	2 C A	AB	331	0.580	0.002	0.39	0.01	S
78361	7.908	0.011	7.797	0.015	*	0.108	0.018	T	0.12	0.02	L *	7.7660	0.0012	0.012	77	*	7.75	7.79		D	15599−5803	I 1	2 C A	AB	273	0.852	0.004	1.08	0.02	S
78362	10.860	0.051	9.517	0.026		1.139	0.045	T	1.10	0.05	L	9.5867	0.0030	0.021	87		9.55	9.63		C			1							G
78363	10.057	0.020	8.618	0.011		1.214	0.018	T	1.17	0.02	L	8.6342	0.0014	0.015	132		8.61	8.66		C			1							
78364	10.127	0.033	9.732	0.035		0.374	0.045	T	0.44	0.05	L	9.7318	0.0035	0.022	70		9.70	9.76		C			1							
78365	9.858	0.017	8.062	0.008		1.495	0.015	T	1.52	0.02	L	8.0358	0.0015	0.018	153		8.01	8.06					1							
78366	8.737	0.010	8.675	0.012		0.062	0.015	T	0.07	0.02	L	8.6936	0.0016	0.018	121		8.67	8.73					1							S
78367	8.468	0.012	6.667	0.006		1.499	0.011	T	1.53	0.02	L	6.6368	0.0011	0.011	94		6.62	6.65					1							S
78368	9.442	0.017	7.747	0.009		1.416	0.015	T	1.40	0.02	L	7.7409	0.0015	0.012	102		7.72	7.77					1							S
78369	10.981	0.046	9.184	0.018	*	0.645	0.400	G	1.31	0.08	S *	9.1362	0.0031	0.028	115	*	9.09	9.17		R	16000+2010	H 1	2 C S B	AB	260	0.148	0.023	0.93	0.72	
78370	9.708	0.015	8.213	0.008		1.258	0.013	T	1.22	0.01	L	8.2275	0.0013	0.016	229		8.20	8.25		C			1							S
78371	10.250	0.027	9.029	0.016		1.043	0.024	T	1.01	0.02	L	9.0729	0.0014	0.013	109		9.05	9.10		C			1							
78372	11.074	0.057	9.955	0.036		0.930	0.015	G	0.97	0.01	I	9.9330	0.0025	0.022	79		9.90	9.99		C			1							G
78373	10.328	0.032	8.683	0.015		1.376	0.028	T	1.35	0.03	L	8.6994	0.0027	0.030	104		8.66	8.74		R			1 S							
78374	9.661	0.022	9.146	0.022	*	0.493	0.023	T	0.57	0.02	L *	9.0410	0.0018	0.015	90	*	9.02	9.06		D	16000−2312	I 1	2 C A	AB	317	0.815	0.007	0.72	0.02	
78375	7.897	0.007	7.818	0.008		0.078	0.010	T	0.09	0.01	L	7.8438	0.0011	0.013	173		7.82	7.87					1							S
78376	8.343	0.009	7.997	0.011		0.328	0.013	T	0.38	0.02	L	8.0309	0.0012	0.011	108		8.01	8.05					1							S
78377	9.362	0.017	7.387	0.007		1.638	0.015	T	1.66	0.01	L	7.3070	0.0021	0.017	88		7.28	7.34		U 2			1							S
78378	9.223	0.017	8.128	0.011		0.972	0.013	G	0.96	0.01	H	8.1851	0.0015	0.011	83		8.16	8.21		C			1							
78379	8.453	0.011	7.455	0.008		0.873	0.010	T	0.88	0.01	L	7.5100	0.0010	0.011	110		7.50	7.53		C			1							S
78380	8.648	0.014	8.026	0.013		0.544	0.015	G	0.62	0.01	H	8.1048	0.0021	0.011	70		8.09	8.12					1							S
78381	10.351	0.030	9.717	0.027		0.584	0.030	T	0.66	0.03	L	9.8083	0.0020	0.019	117		9.77	9.84		C	16001−2732	I 1	1 S							G
78382	10.490	0.033	9.659	0.025		0.748	0.031	T	0.79	0.02	L	9.7505	0.0025	0.023	118		9.69	9.80					1 S							
78383	10.068	0.035	9.405	0.030		0.615	0.039	T	0.68	0.04	L	9.5102	0.0022	0.019	66		9.48	9.54		C			1							
78384	3.154	0.003	3.391	0.003		−0.206	0.015	G	−0.23	0.02	A	3.3398	0.0011	0.007	69		3.33	3.35		M	16001−3824	I 1	1							S
78385											T	11.0937	0.0888			C				D	16002−2611	I 2	1 C F D							D
78386	9.357	0.026	8.780	0.024	A	0.503	0.020	G	0.58	0.02	H	8.8520	0.0124	0.021	104	A	8.82	8.89		D	16002−2611	I 2	1 C P D							D
78387	8.286	0.010	6.909	0.006		1.165	0.009	T	1.13	0.01	L	6.9504	0.0011	0.009	114		6.93	6.97					1							S
78388	10.973	0.073	9.898	0.044		0.931	0.065	T	0.93	0.05	L	9.9503	0.0035	0.026	51		9.90	10.00		C			1							
78389	9.584	0.026	8.998	0.024		0.547	0.031	T	0.62	0.03	L	9.0143	0.0030	0.017	64		8.99	9.04		C			1							
78390	9.717	0.022	8.556	0.014		0.997	0.020	T	0.98	0.02	L	8.6254	0.0017	0.016	68		8.59	8.66		C			1							
78391	9.780	0.030	8.472	0.018		1.111	0.027	T	1.07	0.03	L	8.5369	0.0032	0.022	66		8.50	8.58					1							S
78392	9.187	0.015	7.977	0.010		1.035	0.014	T	1.01	0.01	L	8.0038	0.0012	0.011	105		7.98	8.03		D	16003+7356	I 1	1 X S							S
78393	10.158	0.028	9.307	0.022		0.747	0.027	T	0.79	0.02	L	9.3979	0.0037	0.024	80		9.35	9.43		C			1							
78394	9.337	0.029	8.767	0.026	*	1.430	0.495	G	0.41	0.14	S *	8.9050	0.0041	0.027	54	−	8.87	8.96		R	16003+1140	I 1	3 C B							S G
78395	11.829	0.127	10.366	0.053		1.244	0.003	G	1.40	0.00	I	10.3722	0.0048	0.034	73		10.32	10.43		C			1							G
78396	8.739	0.012	8.297	0.012	*	0.417	0.016	T	0.48	0.02	L *	8.3370	0.0025	0.015	74	*	8.31	8.36		D	16003−0505	H 1	2 C A	AB	145	0.293	0.011	1.63	0.10	S
78397	8.710	0.013	8.365	0.013	A						T *	8.2922	0.0014	0.015	108	*	8.27	8.32		D	16003+5856	I 1	2 C A	AB	181	1.496	0.006	1.49	0.03	S
78398	10.423	0.035	9.065	0.018		1.150	0.031	T	1.11	0.03	L	9.0794	0.0025	0.021	104		9.04	9.11					1							
78399	8.847	0.012	8.127	0.010		0.643	0.002	G	0.71	0.00	H	8.1821	0.0012	0.011	109		8.16	8.20		C			1							S
78400	6.065	0.002	5.512	0.003		0.517	0.007	G	0.52	0.07	F	5.5720	0.0006	0.005	116		5.56	5.58		C	16003−1632	I 1	1 G							S

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg		Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors $\alpha*$ mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)										Soln F1 %	F2
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
78401 H	16 00 20.01	−22 37 17.8	2.29	1 H	240.083 382 25	−22.621 620 24	*	8.12	−8.67	−36.90	0.79	0.46	0.88	0.83	0.66	−16	−37	+ 0	+19	− 8	+23	− 2	+38	− 8	−26	0	2.77
78402	16 00 21.11	+67 37 38.5	7.02	H	240.087 960 78	+67.627 368 89		6.57	8.81	15.23	0.49	0.50	0.54	0.52	0.56	− 1	+ 4	− 4	−13	− 8	−15	−10	+ 5	−18	+ 4	1	0.42
78403 H	16 00 21.27	+54 31 20.9	7.83	G	240.088 608 80	+54.522 484 69	A	6.30	−12.49	31.67	0.82	0.78	0.81	0.84	0.87	+12	−24	+ 2	+ 4	− 2	−19	− 3	+23	− 2	+11	2	0.04
78404	16 00 21.60	+58 26 42.7	11.19	H	240.089 988 85	+58.445 201 90		3.25	3.00	−35.90	1.45	1.55	1.67	1.64	1.78	+15	−15	−27	−12	−10	+ 7	−11	−11	+19	+ 1	0	−0.19
78405	16 00 21.91	−43 49 21.9	7.40	H	240.091 301 28	−43.822 744 26		2.83	−2.56	−3.11	0.76	0.59	0.94	0.79	0.76	− 6	−32	−23	+ 4	−17	−14	− 7	+37	−17	−36	0	−0.78
78406	16 00 22.59	−07 48 29.0	8.12	H	240.094 118 91	−07.808 043 66		7.26	18.91	−8.11	1.18	0.67	1.32	1.44	1.35	−24	−43	− 2	+26	− 9	−19	− 2	+36	+12	−49	2	0.51
78407	16 00 22.93	+15 32 49.3	9.01	H	240.095 533 60	+15.547 033 29		1.71	15.52	−42.28	1.18	0.96	1.33	1.27	1.28	−19	−33	−12	+24	− 6	+16	+ 4	+14	−22	−34	0	0.30
78408	16 00 23.14	−45 27 08.8	7.52	G	240.096 396 21	−45.452 444 09		15.33	−157.04	−124.64	0.74	0.60	0.93	0.86	0.79	−10	−32	−27	+ 9	−13	+18	+ 2	+41	−18	−35	0	1.14
78409	16 00 23.58	+15 40 02.9	7.92	H	240.098 233 07	+15.667 485 85		4.18	1.71	−25.38	0.93	0.69	1.06	0.89	0.87	−14	−44	−14	+11	− 5	+23	+10	+ 8	−27	−31	0	−1.93
78410	16 00 24.82	+53 58 00.1	7.62	H	240.103 412 31	+53.966 688 54		4.05	−9.05	−19.07	0.60	0.55	0.62	0.67	0.65	+ 1	− 6	− 7	+20	+ 1	+ 3	+ 0	+25	+ 7	+ 4	0	−0.02
78411	16 00 26.08	+14 37 06.2	9.70	H																							
78412	16 00 26.10	−51 57 53.6	8.91	H	240.108 753 33	−51.964 884 02	A	6.02	−50.55	−26.66	2.64	1.89	2.57	2.78	2.26	+36	−30	− 4	+37	+35	− 9	+40	+39	−18	+44	4	0.65
*78413	16 00 26.90	+14 36 55.8	9.15	H	240.112 080 84	+14.615 501 53		0.80	−4.25	−6.16	1.55	1.10	1.54	1.80	1.41	+11	−24	+ 1	+34	+18	− 1	+22	+17	−13	+18	0	0.07
*78414	16 00 26.84	+08 00 40.0	9.02	H	240.111 827 79	+08.011 099 47		3.11	15.36	−17.49	1.72	1.39	1.83	1.66	2.31	−47	−43	− 2	− 2	+ 9	+26	+37	−36	−46	−54	0	1.33
*78415	16 00 31.38	−52 15 52.9	8.90	H	240.130 737 86	−52.264 707 47		1.03	−10.12	10.16	1.20	0.91	1.39	1.66	1.30	+33	−29	−16	+35	+36	−17	+34	+46	−12	+48	0	−0.81
*78416 H	16 00 31.34	−36 05 16.3	8.21	H	240.130 592 04	−36.087 852 77	A	10.66	−26.96	−40.16	1.98	1.36	2.15	2.26	1.89	−21	−28	+ 9	+19	−22	−20	−12	+46	−18	−22	3	0.54
78417	16 00 32.28	+46 55 25.6	11.41	3 H	240.134 518 78	+46.923 778 38		1.24	−61.70	14.86	1.36	1.49	1.68	1.80	2.18	+13	− 8	+ 5	+ 4	+ 2	− 3	+ 1	+13	+13	+14	0	1.15
78418	16 00 33.31	+04 43 37.4	8.35	H	240.138 781 27	+04.727 059 05		2.86	5.21	−7.21	0.94	0.83	1.16	1.16	1.23	−33	−37	+ 9	+25	− 1	−10	− 9	+24	+27	−35	0	−1.73
78419	16 00 34.41	−45 55 42.8	8.06	G	240.143 357 22	−45.928 564 57		9.56	2.73	16.42	0.81	0.68	1.10	0.83	0.89	− 7	−42	−36	+ 1	−22	+11	+ 4	+49	−33	−47	0	−0.77
78420 H	16 00 34.93	−20 27 03.4	9.47	H	240.145 555 09	−20.450 952 27	A	5.12	−32.45	−17.52	2.33	1.17	2.14	2.84	1.72	+21	+ 2	+ 9	+22	+24	+47	+22	+21	− 4	+22	0	0.50
78421	16 00 35.15	+50 49 11.3	8.49	G	240.146 476 57	+50.819 807 77		6.62	−35.45	58.70	0.71	0.67	0.77	0.76	0.76	+14	−22	+ 1	− 2	+ 0	+ 2	− 2	+ 6	+ 7	+19	0	−0.28
78422	16 00 35.88	+62 05 13.9	8.09	H	240.149 479 28	+62.087 195 81		3.12	−49.52	9.23	0.64	0.64	0.69	0.59	0.65	+16	+ 7	+ 3	−43	−28	−14	−18	− 2	− 9	−13	0	−1.71
78423	16 00 36.41	+61 39 40.9	9.99	G	240.151 716 41	+61.661 374 96		29.13	−442.46	21.05	0.90	0.95	1.03	0.87	1.00	+12	+13	+ 0	−34	−24	− 3	−17	− 9	−15	−26	0	2.09
78424	16 00 36.73	+80 37 39.9	7.57	G	240.153 037 46	+80.627 738 13		6.18	−15.31	24.81	0.57	0.57	0.63	0.59	0.71	+ 8	−17	−18	−11	−10	−10	−13	+ 3	− 8	+ 9	2	0.56
*78425	16 00 37.52	−61 18 12.5	7.95	G	240.156 324 49	−61.303 461 83		17.26	−270.44	−210.15	0.58	0.77	0.92	0.74	0.99	−42	−14	− 7	+28	−28	+ 1	−20	+53	−16	−57	6	0.93
*78426 H	16 00 37.49	−17 39 26.9	10.11	H	240.156 203 62	−17.657 484 18	A	7.12	−33.18	7.71	4.96	2.59	4.51	4.98	3.61	+11	−29	−19	+17	+10	+ 9	+16	+30	+ 3	+ 0	3	1.52
78427	16 00 38.14	+51 56 50.8	9.49	H	240.158 911 46	+51.947 433 55		4.25	−23.24	−11.32	0.84	0.87	0.96	1.01	1.01	+10	+ 2	− 9	+11	−11	+16	−10	+ 6	+ 3	+ 7	0	−1.44
78428	16 00 38.37	−73 36 30.9	8.22	H	240.159 870 54	−73.608 584 09		3.08	−16.52	−25.67	0.61	0.74	0.94	0.78	0.95	+18	− 2	+ 6	− 2	− 3	− 4	− 1	+17	+12	+ 5	0	0.09
78429	16 00 42.47	+31 34 06.1	6.61	H	240.176 970 04	+31.568 373 03		8.65	65.38	−54.50	0.43	0.48	0.69	0.48	0.58	+ 3	−13	− 2	+ 8	+ 1	−16	+ 1	+ 1	− 7	−18	1	−0.01
78430	16 00 42.85	−15 24 44.3	9.12	H	240.178 561 00	−15.412 296 51		27.26	−136.55	63.32	1.27	0.71	1.38	1.52	1.11	− 2	−19	−21	+ 0	− 2	− 9	+ 0	+19	−16	− 8	0	0.28
78431	16 00 43.62	+32 02 22.3	7.07	H	240.181 734 55	+32.039 524 25		5.08	5.88	5.08	0.48	0.54	0.80	0.55	0.63	+ 7	−10	+ 3	+ 1	+ 1	−20	+ 1	− 8	− 9	− 9	2	−0.13
78432 H	16 00 43.64	−47 53 21.7	8.70	G	240.181 845 83	−47.889 363 56	*	6.15	−14.27	−25.76	3.19	1.81	1.57	1.70	1.42	−18	−23	−12	+32	+ 2	−10	− 2	+45	−13	+ 5	1	0.20
78433	16 00 43.90	+17 54 02.8	9.24	H	240.182 907 35	+17.900 791 38		4.32	3.14	−13.77	1.29	1.00	1.68	1.14	1.18	+17	−62	−24	+36	−14	−22	−24	+41	+10	− 1	0	1.66
78434	16 00 46.89	−72 27 46.1	6.58	H	240.195 374 11	−72.462 819 34		2.33	−21.56	−32.43	0.40	0.50	0.65	0.44	0.63	+22	−14	− 2	+ 7	+ 4	+ 0	+ 1	+26	+ 9	+30	2	0.36
78435	16 00 46.89	−39 05 18.2	6.67	1 G	240.195 388 22	−39.088 385 89		6.44	6.08	−50.26	0.68	0.48	0.83	0.68	0.57	−21	−30	−29	− 5	+15	−13	+14	+ 5	+ 5	−47	0	0.46
78436	16 00 47.64	−08 24 40.8	5.53	H	240.198 506 29	−08.411 324 13		7.10	−15.05	−11.99	0.76	0.47	0.75	0.87	0.71	− 9	−22	+ 0	+37	+ 4	+ 3	+ 8	+34	− 1	− 6	2	2.31
78437	16 00 47.94	+27 01 06.0	10.52	H	240.199 761 56	+27.018 339 35		9.28	−184.50	15.89	1.23	1.34	2.10	1.45	1.76	+26	−27	−16	+15	− 2	+ 5	− 5	+11	+13	+21	0	0.51
78438	16 00 48.88	−29 54 00.2	10.07	G	240.203 648 10	−29.900 044 29		2.18	7.74	3.34	1.28	0.74	1.61	1.49	1.28	−23	−29	+ 4	+23	− 5	− 3	+ 5	+41	−27	−15	0	0.47
78439	16 00 49.36	+13 33 35.6	8.59	H	240.205 647 64	+13.559 886 20		4.19	2.24	5.47	1.56	0.91	1.25	1.73	1.07	+16	−38	−28	+38	+13	−16	+10	+ 3	+ 1	+ 2	0	−3.28
78440	16 00 50.04	−48 34 37.2	8.59	H	240.208 517 81	−48.577 004 22		2.33	−3.20	−5.90	0.94	0.74	1.16	0.99	0.94	+ 5	−26	−25	+13	−11	−13	−11	+34	−13	− 7	0	−0.21
78441	16 00 50.58	−68 06 58.9	8.76	H	240.210 767 61	−68.116 347 62		−0.61	−1.81	−3.60	0.53	0.74	1.06	0.61	0.85	+23	−11	+ 0	+16	− 2	−12	− 3	+26	− 2	+30	0	0.71
78442	16 00 51.16	+04 25 37.8	5.82	G	240.213 161 89	+04.427 180 26		13.62	−43.01	75.24	0.71	0.55	0.79	0.78	0.76	−22	−43	+ 4	+41	− 2	− 9	− 5	+28	+11	−33	0	−0.51
78443	16 00 51.23	−57 36 40.2	8.54	H	240.213 441 14	−57.611 178 24		1.69	−1.36	0.61	0.95	0.90	1.24	1.26	1.27	+19	− 1	−18	+35	+19	+ 0	+21	+32	+ 3	+36	0	0.41
78444	16 00 51.58	+12 28 35.9	8.10	H	240.214 896 49	+12.476 627 51		5.29	−9.17	12.47	1.02	0.86	1.28	1.19	1.10	+ 5	−42	−38	+27	+20	−26	+ 4	− 6	+11	−32	0	0.47
78445 T	16 00 53.70	−40 26 08.0	6.21	H	240.223 743 03	−40.435 560 29		8.80	15.08	32.89	0.70	0.48	0.87	0.97	0.76	−36	−15	−15	−25	+31	+ 7	+35	−16	+ 4	−66	0	1.29
78446 H	16 00 54.16	+13 16 18.2	7.05	G	240.225 686 59	+13.271 717 58	A	8.63	−11.56	−28.59	2.04	1.39	1.79	3.04	1.70	−13	−27	−11	+12	+ 1	−16	− 3	− 5	+24	+18	10	−0.07
78447	16 00 54.43	−47 10 35.7	9.73	G	240.226 800 84	−47.176 595 67		3.22	9.01	4.73	1.21	0.89	1.47	1.38	1.24	− 7	−12	− 3	+14	− 4	− 2	+ 0	+29	−12	−24	0	−0.98
78448	16 00 54.93	+39 10 39.0	6.74	H	240.228 895 66	+39.177 488 97		8.04	17.25	11.96	0.46	0.48	0.58	0.55	0.57	+10	− 4	+ 0	+10	+13	+ 1	+14	+14	− 7	− 2	1	−1.10
78449	16 00 56.38	+22 51 02.3	8.77	H	240.234 899 59	+22.850 646 13		8.52	5.49	−12.17	0.80	0.96	1.34	1.03	1.22	+ 2	−14	− 9	−34	−45	+21	−41	+ 7	−16	− 1	0	0.32
78450	16 00 56.80	+28 56 54.6	7.97	G	240.236 664 55	+28.948 495 49		16.16	35.70	19.00	0.53	0.68	0.98	0.49	0.76	+17	−27	−13	+ 0	+27	−20	+32	+ 3	−14	+11	1	0.76
78451 H	16 00 57.46	−65 53 44.7	8.33	H	240.239 404 86	−65.895 753 52	A	3.83	6.31	2.99	1.75	2.03	2.57	1.71	2.66	− 2	−16	−10	−59	−11	+ 2	− 5	− 7	−17	−19	2	0.98
78452	16 00 57.86	+64 57 00.2	7.06	H	240.241 079 98	+64.950 042 61		6.02	16.38	−4.58	0.50	0.49	0.52	0.48	0.54	+21	−18	−14	−17	+ 3	− 8	+ 4	− 7	+ 7	+14	0	1.49
78453	16 00 58.53	−12 20 13.0	8.68	H	240.243 881 29	−12.336 948 83		2.21	−17.49	−16.40	1.33	0.65	1.33	1.56	1.12	−14	− 6	− 2	+13	+ 8	+ 7	+12	+25	− 3	− 3	0	2.22
78454 H	16 00 59.18	−18 57 48.2	9.53	H	240.246 578 72	−18.963 394 82	*	6.39	−31.71	−33.87	1.42	0.73	1.56	1.78	1.24	+ 0	−27	−19	−13	−13	+18	− 6	+20	−28	− 1	0	0.71
78455	16 01 00.85	−12 52 24.8	9.61	G	240.253 552 00	−12.873 561 14		9.39	8.91	18.73	1.48	0.75	1.50	1.53	1.27	−17	−25	− 2	+15	+ 4	+12	+15	+23	−13	−20	0	2.51
78456	16 01 01.14	−39 42 08.7	9.00	H	240.254 737 51	−39.702 422 91		15.62	−5.68	−4.42	1.03	0.70	1.17	1.17	0.82	−17	− 1	−11	+ 6	+29	+ 2	+30	+ 3	+11	−15	0	1.40
78457	16 01 02.20	+24 27 02.4	8.81	G	240.259 174 64	+24.450 674 33		6.72	22.56	−140.81	0.63	0.77	1.12	1.00	0.98	+19	−13	+19	−44	− 9	+ 1	− 3	−15	− 3	+12	0	−0.16
78458	16 01 02.36	−14 25 24.1	8.04	H	240.259 816 36	−14.423 352 21		5.53	−34.20	−9.49	1.03	0.51	1.13	1.30	0.95	−23	−27	+ 0	+ 3	− 6	+ 4	− 6	+31	−32	+ 3	0	0.25
*78459	16 01 02.80	+33 18 19.4	5.39	H	240.261 662 47	+33.305 388 15	+	57.38	−196.89	−773.01	0.50	0.59	0.71	0.93	0.66	+37	−23	−23	−41	−52	+31	−13	− 8	−21	− 8	0	0.14
*78460	16 01 02.79	+48 03 13.0	9.79	H	240.261 621 24	+48.053 602 59		−0.30	− 6.98	6.56	0.85	0.92	1.04	1.14	1.11	− 5	+10	−21	+ 1	+ 4	− 7	+ 2	+ 2	+ 0	−19	0	−1.32
78461	16 01 03.15	+55 27 12.3	8.43	H	240.263 118 49	+55.453 417 08		14.53	−1.54	−13.79	0.69	0.68	0.75	0.72	0.77	+ 3	−11	−15	+ 7	+18	− 8	+18	+ 6	+ 1	+15	2	0.00
78462	16 01 03.52	−19 17 39.7	9.73	H	240.264 675 25	−19.294 372 06		2.35	0.93	3.56	1.79	0.84	1.90	2.14	1.48	+11	−29	−22	− 8	− 5	+ 6	+ 5	+22	−33	+ 3	0	−1.67
78463	16 01 03.77	−55 37 53.6	8.28	H	240.265 705 40	−55.631 555 57		1.28	−7.55	−2.90	0.96	0.77	1.29	1.30	1.10	+ 4	−15	−19	− 5	+ 4	−32	− 3	+17	−17	+18	0	0.19
78464	16 01 03.95	+26 10 20.3	7.90	H	240.266 463 59	+26.172 315 92		9.73	−70.74	39.81	0.56	0.63	0.96	0.74	0.84	+25	− 9	− 5	+ 6	+ 1	+21	+ 1	+28	+ 4	+26	1	1.10
78465	16 01 04.25	−27 02 51.8	7.62	H	240.267 698 65	−27.047 723 15		12.01	−47.91	−46.49	0.90	0.54	1.15	1.01	0.98	−14	−44	−22	−12	−20	+35	+13	+32	−40	−61	0	0.69
78466	16 01 04.84	−32 41 42.1	8.01	G	240.270 171 26	−32.695 019 18		21.99	129.89	−217.65	1.02	0.56	1.31	1.27	0.95	− 6	−30	−23	− 2	+11	−10	+19	+25	− 4	−28	0	−1.18
78467	16 01 05.85	−21 09 20.2	7.12	H	240.274 372 39	−21.155 609 21		5.10	−22.19	−16.07	0.86	0.50	0.96	1.01	0.73	+ 1	−33	−18	+11	− 7	+19	+ 6	+32	−28	− 8	3	1.82
78468	16 01 06.16	+28 07 45.3	10.95	2 H	240.275 663 08	+28.129 238 07		−1.54	−22.53	− 6.62	2.92	4.19	5.84	3.05	4.87	+27	− 2	+ 2	− 2	+30	+ 3	+29	+16	+16	+42	2	
78469	16 01 06.51	−54 34 40.1	6.12	H	240.277 108 69	−54.577 798 98		7.28	−38.40	−41.21	0.65	0.54	0.76	0.86	0.75	−11	− 4	−11	+14	−10	−11	−11	+37	−11	−12	0	−0.68
78470	16 01 07.32	+27 08 37.9	8.27	H	240.280 484 00	+27.143 859 31		3.00	−14.05	13.78	0.58	0.65	1.06	0.57	0.83	+17	−18	+ 4	+ 1	+ 1	− 3	+ 2	+11	+ 1	+ 9	0	−0.08
78471	16 01 08.07	−24 15 59.8	7.16	H	240.283 645 69	−24.266 600 80		0.29	7.48	0.08	0.97	0.57	1.08	1.35	1.04	−13	+ 5	+ 2	+ 0	− 5	−12	− 4	+31	−12	−17	0	0.93
78472	16 01 08.12	−22 10 05.5	8.98	H	240.283 835 84	−22.168 201 36		4.69	2.91	− 2.95	1.14	0.61	1.29	1.26	0.94	+ 4	−35	−18	+10	− 6	+32	+ 9	+32	−21	−22	0	2.50
78473	16 01 08.34	−45 21 40.1	8.71	H	240.284 744 80	−45.361 143 87		−0.20	−4.51	− 4.85	0.92	0.73	1.18	1.04	0.92	−13	−25	−30	+10	− 7	+ 6	+ 0	+35	−10	−28	0	1.60
78474	16 01 09.84	+56 26 23.4	8.01	H	240.291 001 83	+56.439 839 86		10.42	−47.52	−45.87	0.58	0.66	0.70	0.68	0.75	+13	−12	−29	+ 5	− 6	+15	− 2	+ 2	+ 3	+12	0	−0.38
78475 H	16 01 10.22	−46 32 17.8	7.59	G	240.292 572 09	−46.538 267 26	A	9.15	−12.87	−41.67	1.30	1.01	1.31	1.02	0.99	+ 6	+ 1	−11	+27	− 1	+ 5	+ 2	+42	−25	−15	1	0.50
78476	16 01 10.72	−63 46 35.5	6.42	3 H	240.294 664 06	−63.776 529 24		1.59	−3.23	−3.50	0.45	0.49	0.72	0.54	0.62	−10	−12	−14	−20	+ 7	−14	+12	+ 4	− 6	−34	4	−0.08
78477	16 01 10.95	−75 37 10.0	7.54	H	240.295 633 13	−75.619 453 50		4.97	−16.60	−8.66	0.47	0.52	0.67	0.51	0.62	+15	−19	+12	− 8	−13	−15	−13	+ 4	− 2	+23	2	0.10
78478 H	16 01 11.18	−28 19 58.2	8.64	H	240.296 566 48	−28.332 846 79	A	1.11	−2.10	− 7.49	1.50	0.86	1.69	1.71	1.51	−19	−33	+ 5	+17	−13	− 4	+ 2	+48	−21	−31	1	−0.41
78479	16 01 12.97	−56 41 39.5	7.88	G	240.304 053 69	−56.694 311 25		14.13	−200.50	−252.97	0.76	0.63	0.99	0.83	0.81	+ 4	−15	−11	+ 1	+ 5	−19	+ 6	+13	−11	+ 2	0	−0.54
78480	16 01 13.08	−29 00 06.9	9.91	G	240.304 513 31	−29.001 905 02		4.03	3.81	− 4.25	1.23	0.71	1.57	1.71	1.24	−18	−15	+16	+34	+13	+23	+15	+42	−26	+ 1	2	−1.15
78481	16 01 14.35	+17 49 04.9	5.10	H	240.309 774 87	+17.818 025 78		10.58	−46.09	152.84	0.74	0.61	0.85	0.66	0.69	+ 8	−41	−23	+33	− 7	− 2	− 1	+ 2	− 9	+ 5	0	3.42
78482	16 01 17.05	−24 01 37.6	9.24	H	240.321 031 69	−24.027 100 48		10.76	6.04	1.74	2.00	0.90	1.99	3.17	1.67	+ 0	+38	−15	−59	−16	−53	−25	+22	−10	− 3	0	3.65
78483	16 01 18.43	−26 52 21.3	9.39	2 H	240.326 787 79	−26.872 585 70		6.65	−11.35	−21.50	1.29	0.74	1.60	1.50	1.31	− 6	−31	−16	+ 5	−14	+39	+13	+39	−34	−51	0	−0.03
78484	16 01 18.78	−12 08 42.1	10.15	G	240.328 256 32	−12.145 024 83		3.83	−32.82	−25.01	1.64	0.86	1.73	1.91	1.36	−17	− 6	+ 3	+18	+ 3	+21	+ 5	+23	−19	− 4	0	1.99
78485 H	16 01 18.98	−51 08 20.2	10.55	H	240.329 095 92	−51.138 931 36	A	1.79	−16.33	−18.37	4.21	3.31	5.28	4.44	4.10	+10	−17	− 3	+ 3	+ 8	−29	+ 8	+19	−20	+29	4	−0.51
78486	16 01 19.55	−31 53 20.9	6.33	G	240.331 450 77	−31.889 133 78		5.93	9.66	−1.25	0.75	0.43	0.92	1.00	0.82	−11	−29	− 4	+11	− 2	− 3	+ 4	+35	+14	−35	0	−0.33
78487	16 01 20.63	−31 32 46.1	8.46	H	240.335 958 76	−31.546 128 14		2.83	−0.99	− 4.03	1.01	0.54	1.20	1.40	1.06	− 4	− 9	− 5	+ 8	− 4	+ 3	+ 7	+38	+ 3	−30	0	0.00
78488	16 01 22.45	+09 16 33.8	8.89	H	240.343 528 39	+09.276 054 88		3.08	−21.52	− 8.96	1.16	0.96	1.48	1.59	1.50	−38	− 9	−35	+36	−19	+15	−13	+10	− 4	−42	0	−0.70
78489	16 01 22.92	+52 07 10.6	8.15	H	240.345 499 06	+52.119 606 19		8.93	86.99	−95.87	0.63	0.60	0.68	0.72	0.72	+ 7	+ 6	− 9	− 1	− 8	+ 4	− 8	+ 5	+ 8	+12	6	−0.91
78490	16 01 23.58	+41 47 46.4	8.29	H	240.348 248 22	+41.796 235 26		3.51	−19.54	−16.91	0.69	0.72	0.85	0.85	0.81	+12	− 8	−12	+19	+18	+ 7	+17	+10	+ 1	+ 6	0	−0.27
78491	16 01 25.33	−66 50 54.8	7.36	2 H	240.355 542 51	−66.848 553 42		2.21	−19.73	−21.82	0.56	0.62	0.96	0.62	0.75	− 8	− 7	+10	−33	+ 3	− 9	+ 6	+12	+ 5	−14	1	0.70
78492	16 01 25.43	+55 31 16.5	7.99	H	240.355 973 41	+55.521 249 35		0.61	−2.74	4.98	0.62	0.65	0.69	0.63	0.71	+ 9	+ 8	−19	−11	+13	− 5	+14	− 3	+ 9	+15	0	−0.64
78493	16 01 26.59	+29 51 03.9	4.98	H	240.360 794 31	+29.851 078 21		9.29	−38.20	− 6.90	0.36	0.44	0.61	0.37	0.52	+ 5	−11	+ 5	− 1	+14	− 9	+17	+ 1	− 4	− 4	0	0.79
78494	16 01 26.65	−25 11 54.4	7.76	H	240.361 034 98	−25.198 441 28		4.73	−11.05	−24.35	0.94	0.57	1.05	0.92	0.87	−25	−42	+ 9	+ 3	−18	− 4	− 9	+35	+ 1	−48	0	0.57
78495	16 01 26.76	−01 35 21.8	9.77	H	240.361 499 28	−01.589 386 82		3.26	− 1.42	4.27	1.47	0.98	1.57	1.86	1.59	−37	−17	−14	+28	−24	+ 4	−25	+49	−20	−23	0	−1.63
78496	16 01 27.93	+00 32 03.6	10.24	H	240.366 389 12	+00.534 332 58		9.97	−47.55	−44.21	1.59	1.17	2.18	2.40	2.85	−51	−25	+20	+32	−19	−22	−22	+26	+49	−62	0	1.49
78497	16 01 28.61	+26 24 16.5	8.37	H	240.369 219 15	+26.404 581 36		4.56	−35.84	3.75	0.68	0.75	1.23	0.92	1.03	+31	−16	−15	+ 5	− 4	+18	− 2	+ 9	+ 7	+35	0	−0.30
78498	16 01 28.64	+02 03 51.5	8.25	H	240.369 313 59	+02.064 297 65		1.42	−11.65	− 2.50	0.91	0.75	1.32	1.47	1.59	−33	−14	+ 5	+23	−11	−41	+15	+20	+50	−48	0	1.42
78499	16 01 30.17	+02 19 34.1	9.67	H	240.375 713 56	+02.326 147 49		4.21	−16.07	−15.39	1.28	1.15	1.67	2.12	2.37

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
78401	2.181	0.002	2.282	0.004	*	−0.117	0.024	G	−0.09	0.02	A *	2.2617	0.0015	0.008	72	*	2.25	2.27		M	16003−2237	M 1	2 C S A	AB	344	0.131	0.025	2.22	0.41	S
78402	7.533	0.007	7.067	0.007		0.439	0.009	T	0.51	0.01	L	7.1198	0.0010	0.008	119		7.10	7.13		C			1							S
78403	8.088	0.009	7.882	0.011	A	0.200	0.015	G	0.22	0.02	H *	7.8773	0.0017	0.013	110	*	7.85	7.90			16004+5431	I 1	2 C A	AB	292	1.483	0.016	2.98	0.06	S
78404	11.965	0.179	11.088	0.120		0.557	0.072	G	0.63	0.07	R	11.3140	0.0046	0.047	99		11.23	11.40		C			1							G
78405	8.990	0.013	7.578	0.008		1.193	0.012	T	1.15	0.01	L	7.5667	0.0013	0.010	94		7.55	7.59		C	16004−4349	I 1	1							S
78406	8.680	0.013	8.184	0.012		0.505	0.001	G	0.58	0.00	H	8.2328	0.0016	0.012	79		8.22	8.25		C			1							S
78407	10.358	0.039	9.185	0.024		1.006	0.036	T	0.98	0.03	L	9.1803	0.0020	0.013	62		9.15	9.22					1							
78408	8.459	0.013	7.586	0.008		0.780	0.011	T	0.82	0.01	L	7.6740	0.0009	0.011	94		7.66	7.69					1							S
78409	8.333	0.014	7.969	0.015		0.366	0.015	G	0.43	0.02	H	8.0100	0.0022	0.016	65		7.98	8.03			16004+1540	I 1	1							S
78410	9.080	0.012	7.736	0.007		1.140	0.011	T	1.10	0.01	L	7.7922	0.0018	0.012	108		7.77	7.82					1							S
78411											T	9.8363	0.0822	0.522	60		9.42	11.00		D	16004+1437	I 2								G
78412	9.373	0.017	8.932	0.017	A	0.440	0.015	G	0.51	0.02	H	9.0052	0.0077	0.014	85	A	8.98	9.03		C	16004−5158	I 1	2 C B	AB	115	11.391	0.063	3.08	0.13	
78413	10.446	0.043	9.253	0.026		0.728	0.126	G	0.96	0.07	L	9.3141	0.0041	0.032	64		9.25	9.38		D	16004+1437	I 2	1							
78414	10.561	0.053	9.134	0.026		1.205	0.046	T	1.16	0.04	L	9.1814	0.0027	0.018	57		9.16	9.23		C			1 G							
78415	10.463	0.034	9.065	0.018		1.182	0.030	T	1.14	0.03	L	9.0722	0.0020	0.015	85		9.04	9.10					1							
78416	8.870	0.017	8.273	0.016	*	0.557	0.017	T	0.63	0.02	L *	8.3308	0.0022	0.017	89	*	8.31	8.36		D	16005−3605	I 1	2 C A	AB	102	6.558	0.005	0.62	0.02	S
78417	11.482	0.091	11.206	0.106		0.263	0.131	T	0.30	0.16	L	11.4794	0.0458	0.408	113		10.76	11.91	0.47	P 1 A			1 S							G
78418	10.510	0.047	8.593	0.018		1.591	0.040	T	1.61	0.04	L	8.4698	0.0021	0.022	73		8.43	8.51					1							
78419	8.665	0.012	8.116	0.011		0.518	0.015	G	0.59	0.02	H	8.1705	0.0012	0.010	98		8.15	8.19		C			1							
78420	10.152	0.056	9.686	0.059	A	0.539	0.400	G	0.48	0.10	L *	9.5625	0.0020	0.017	93	*	9.53	9.60		D	16006−2027	I 1	2 C A	AB	38	2.367	0.016	1.87	0.04	
78421	8.980	0.012	8.518	0.011		0.424	0.020	G	0.49	0.02	H	8.5780	0.0020	0.016	111		8.55	8.61					1							S
78422	9.595	0.019	8.203	0.011		1.177	0.017	T	1.14	0.01	L	8.2601	0.0015	0.014	104		8.23	8.29		C			1							S
78423	11.493	0.090	10.031	0.040		1.292	0.015	G	1.48	0.03	I	10.1326	0.0033	0.027	90		10.09	10.17		C			1							
78424	8.891	0.012	7.659	0.008		1.060	0.015	G	1.03	0.01	H	7.7249	0.0014	0.011	111		7.70	7.75		C			1							S
78425	8.709	0.011	8.021	0.010		0.622	0.004	G	0.69	0.00	H	8.0863	0.0012	0.011	120		8.07	8.10		C			1							S
78426	9.694	0.039	9.136	0.037	*	0.527	0.040	T	0.60	0.04	L *	10.2239	0.0031	0.033	109	*	10.17	10.27		R	16006−1739	I 1	2 C A	AB	81	2.321	0.008	0.18	0.02	G
78427	10.756	0.039	9.623	0.024		0.975	0.036	T	0.96	0.03	L	9.6554	0.0026	0.026	117		9.61	9.70		C			1							
78428	9.620	0.015	8.325	0.009		1.101	0.014	T	1.06	0.01	L	8.3881	0.0014	0.015	151		8.36	8.41					1							
78429	8.024	0.006	6.738	0.004		1.094	0.006	T	1.06	0.01	L	6.7815	0.0008	0.009	177		6.77	6.80					1							S
78430	10.302	0.032	9.211	0.020		0.905	0.015	G	0.95	0.02	I	9.2674	0.0024	0.019	100		9.24	9.30		C			1							
78431	8.614	0.009	7.189	0.005		1.203	0.008	T	1.16	0.01	L	7.2314	0.0011	0.011	154		7.21	7.25					1							S
78432	10.492	0.035	8.874	0.016	*	1.390	0.015	G	1.36	0.02	I *	8.8403	0.0017	0.018	97	*	8.81	8.87			16007−4753	H 1	2 C B	AB	312	0.210	0.065	2.50	0.70	
78433	10.565	0.042	9.365	0.024		1.027	0.038	T	1.00	0.03	L	9.4054	0.0029	0.024	91		9.35	9.44					1							
78434	8.417	0.008	6.736	0.004		1.404	0.007	T	1.38	0.01	L	6.7198	0.0009	0.011	185		6.70	6.74					1							S
78435	6.962	0.004	6.705	0.006		0.249	0.009	G	0.28	0.01	H	6.7453	0.0019	0.015	104		6.72	6.76		M			1							S
78436	5.581	0.003	5.534	0.003		0.043	0.004	T	0.06	0.00	L	5.5551	0.0007	0.005	87		5.55	5.56		C			1							S
78437	11.588	0.065	10.605	0.045		0.849	0.062	T	0.89	0.07	L	10.6591	0.0040	0.046	151		10.58	10.75					1							G
78438	10.914	0.043	10.163	0.035		0.671	0.020	G	0.73	0.02	H	10.2189	0.0023	0.027	161		10.17	10.25		C			1							G
78439	8.955	0.017	8.645	0.018		0.294	0.023	T	0.34	0.03	L	8.6629	0.0023	0.016	64		8.64	8.70					1 G							S
78440	8.883	0.012	8.635	0.014		0.290	0.015	G	0.33	0.02	H	8.6604	0.0014	0.016	100		8.63	8.69					1							
78441	8.707	0.007	8.731	0.010		−0.020	0.011	T	0.00	0.01	L	8.7618	0.0015	0.024	250		8.72	8.80					1							
78442	7.091	0.006	5.928	0.003		1.003	0.004	G	0.98	0.00	H	5.9687	0.0007	0.004	72		5.96	5.98					1							S
78443	10.166	0.043	8.703	0.022		1.233	0.038	T	1.19	0.04	L	8.7053	0.0025	0.019	78		8.67	8.74		C			1 S							
78444	8.576	0.013	8.145	0.013		0.402	0.015	G	0.47	0.02	H	8.1918	0.0021	0.015	64		8.16	8.21		C			1							S
78445	6.238	0.003	6.228	0.004		0.010	0.002	G	0.03	0.00	R	6.2231	0.0006	0.006	110		6.21	6.23		D	16009−4026	I 1	1 G							S
78446	7.878	0.039	7.386	0.042	A	0.528	0.015	G	0.60	0.02	H *	7.1957	0.0012	0.009	58	*	7.18	7.22		D	16009+1316	I 1	2 C A	AB	170	1.442	0.006	0.42	0.02	S
78447	10.438	0.032	9.810	0.030		0.636	0.020	G	0.70	0.02	H	9.8615	0.0027	0.022	93		9.82	9.90		C	16009−4711	I 1	1							G
78448	6.899	0.004	6.763	0.004		0.131	0.005	T	0.15	0.01	L	6.7889	0.0008	0.009	135		6.77	6.81		C	16009+3911	I 1	1							S
78449	9.435	0.015	8.826	0.014		0.567	0.018	T	0.64	0.02	L	8.8929	0.0022	0.021	156		8.86	8.92					1							S
78450	8.713	0.009	8.019	0.007		0.605	0.005	G	0.67	0.00	H	8.0921	0.0012	0.016	176		8.06	8.12					1							S
78451	9.028	0.021	8.232	0.020	*	0.721	0.022	T	0.77	0.02	L *	8.4685	0.0017	0.019	175	*	8.44	8.50		D	16010−6554	I 1	2 C A	AB	127	1.924	0.003	0.39	0.01	
78452	7.187	0.005	7.072	0.007		0.111	0.008	T	0.12	0.01	L	7.0999	0.0009	0.007	108		7.09	7.11		C			1							S
78453	8.987	0.011	8.693	0.013		0.280	0.016	T	0.32	0.02	L	8.7552	0.0015	0.015	98		8.73	8.78					1							S
78454	10.565	0.048	9.676	0.034	*	0.792	0.044	T	0.82	0.03	L *	9.6849	0.0027	0.016	79	*	9.65	9.71		C	16010−1858	H 1	2 C S C	AB	209	0.161	0.086	2.11	1.34	
78455	10.195	0.023	9.722	0.024		0.551	0.015	G	0.62	0.01	H	9.7191	0.0018	0.019	99		9.69	9.75		C			1							
78456	9.845	0.022	9.057	0.018		0.699	0.022	T	0.76	0.02	L	9.1378	0.0018	0.020	100		9.11	9.18					1							
78457	9.396	0.010	8.872	0.010		0.491	0.015	G	0.56	0.02	H	8.9197	0.0015	0.022	244		8.88	8.95		C			1 G							
78458	8.739	0.010	8.124	0.009		0.606	0.009	G	0.68	0.01	H	8.1724	0.0010	0.009	103		8.15	8.19		C			1							S
78459	6.142	0.003	5.469	0.002		0.612	0.003	T	0.68	0.00	L	5.5246	0.0005	0.005	149		5.52	5.54			16011+3318	I 1	1 O							S
78460	11.794	0.108	9.922	0.033		1.589	0.093	T	1.72	0.17	K	9.8913	0.0023	0.025	112		9.85	9.94					1							
78461	9.043	0.015	8.513	0.014		0.497	0.018	T	0.57	0.02	L	8.5392	0.0021	0.015	101		8.51	8.56		C			1							S
78462	11.212	0.080	9.944	0.042		1.080	0.071	T	1.04	0.06	L	9.9012	0.0027	0.023	80		9.87	9.94					1							
78463	9.870	0.023	8.426	0.013		1.218	0.021	T	1.18	0.02	L	8.4451	0.0024	0.019	86		8.42	8.47					1							
78464	8.395	0.007	7.937	0.006		0.432	0.008	T	0.50	0.01	L	7.9942	0.0015	0.018	177		7.97	8.02			16011+2610	I 1	1							S
78465	8.076	0.008	7.672	0.008		0.406	0.015	G	0.47	0.02	H	7.7165	0.0009	0.009	104		7.70	7.73		C			1							S
78466	8.815	0.012	8.086	0.011		0.639	0.002	G	0.70	0.00	H	8.1462	0.0008	0.009	105		8.13	8.17		D			1							S
78467	8.478	0.012	7.243	0.007		1.054	0.011	T	1.02	0.01	L	7.2854	0.0010	0.007	88		7.27	7.30		C			1							S
78468	12.041	0.107	10.920	0.062		0.965	0.096	T	0.95	0.08	L	11.1207	0.0056	0.068	210		11.00	11.27		U			1 X S							S G
78469	6.430	0.004	6.152	0.004		0.264	0.005	T	0.30	0.01	L	6.1938	0.0007	0.006	76		6.18	6.21		D			1							S
78470	10.075	0.022	8.407	0.010		1.394	0.019	T	1.37	0.02	L	8.4152	0.0013	0.021	191		8.39	8.45					1							
78471	9.116	0.020	7.347	0.010		1.474	0.018	T	1.49	0.03	L	7.2887	0.0011	0.010	69		7.28	7.30		C			1							S
78472	9.646	0.026	9.080	0.024		0.529	0.031	T	0.60	0.03	L	9.0986	0.0015	0.014	78		9.08	9.12		C			1							
78473	9.002	0.015	8.733	0.017		0.259	0.002	G	0.29	0.00	H	8.7775	0.0014	0.015	91		8.75	8.80		D			1							
78474	8.511	0.009	8.059	0.009		0.426	0.012	T	0.49	0.01	L	8.1048	0.0013	0.014	117		8.09	8.13					1							S
78475	8.247	0.011	7.698	0.012	*	0.505	0.015	G	0.58	0.02	H *	7.6927	0.0009	0.010	106	*	7.68	7.71		D	16012−4632	I 1	2 C A	AB	215	0.909	0.004	1.14	0.01	S
78476	7.392	0.043	6.485	0.027		0.567	0.020	G	0.65	0.02	A	6.5481	0.0198	0.306	149		6.14	6.92	6.32	P 1 A			1							S
78477	7.595	0.005	7.529	0.007		0.060	0.008	T	0.07	0.01	L	7.5631	0.0009	0.012	161		7.55	7.58		C			1 S							S
78478	10.728	0.042	8.886	0.014	A	0.400	0.495	G	1.21	0.08	L *	8.7974	0.0012	0.012	132	*	8.78	8.82		D	16012−2820	I 1	2 C A	AB	340	6.577	0.011	2.69	0.05	
78479	8.786	0.012	7.980	0.010		0.740	0.007	G	0.79	0.01	H	8.0234	0.0014	0.009	94		8.01	8.04					1							
78480	10.148	0.022	9.953	0.028		0.260	0.015	G	0.29	0.02	H	9.9836	0.0019	0.023	156		9.94	10.03					1							G
78481	6.382	0.003	5.217	0.002		0.992	0.002	G	0.97	0.00	H	5.2662	0.0006	0.005	96		5.26	5.28		C			1 G							S
78482	9.823	0.032	9.321	0.030		0.462	0.020	G	0.53	0.02	H	9.3387	0.0033	0.023	64		9.28	9.37					1							
78483	10.228	0.033	9.487	0.026		0.663	0.032	T	0.72	0.03	L	9.5252	0.0032	0.030	95		9.48	9.58		U			1							
78484	10.846	0.054	10.229	0.053		0.612	0.015	G	0.68	0.01	H	10.2780	0.0034	0.025	94		10.24	10.32		C			1							G
78485	11.350	0.081	10.781	0.084	A	0.506	0.107	G	0.58	0.11	R *	10.6595	0.0049	0.048	85	*	10.56	10.74		D	16013−5108	I 1	2 C A	AB	97	2.806	0.031	1.67	0.09	G
78486	8.243	0.008	6.493	0.004		1.454	0.004	G	1.46	0.01	H	6.4785	0.0006	0.006	128		6.47	6.49		C			1							S
78487	9.356	0.015	8.542	0.012		0.735	0.015	T	0.78	0.01	L	8.6084	0.0014	0.013	128		8.59	8.63		C			1							
78488	10.569	0.056	9.029	0.027		1.293	0.049	T	1.25	0.05	L	9.0468	0.0021	0.014	52		9.03	9.08					1							
78489	8.676	0.011	8.200	0.011		0.448	0.014	T	0.52	0.01	L	8.2522	0.0014	0.014	116		8.22	8.28					1							S
78490	9.957	0.023	8.461	0.012		1.259	0.020	T	1.22	0.02	L	8.4556	0.0016	0.014	112		8.43	8.48					1							
78491	9.326	0.013	7.630	0.006		1.444	0.012	T	2.93	0.03	O	7.2888	0.0067	0.086	163		7.16	7.42		U 2			1 S							S P
78492	10.076	0.024	8.172	0.010		1.581	0.021	T	1.60	0.02	L	8.1101	0.0022	0.018	103		8.08	8.14					1							S
78493	4.911	0.002	4.970	0.002		−0.050	0.002	T	−0.03	0.00	L	4.9684	0.0005	0.006	175		4.96	4.98					1							S
78494	8.168	0.011	7.804	0.012		0.355	0.014	T	0.42	0.01	L	7.8397	0.0010	0.010	76		7.82	7.85		C			1							S
78495	10.520	0.041	9.834	0.037		0.670	0.020	G	0.73	0.02	H	9.9099	0.0031	0.025	75		9.86	9.95		C			1							
78496	11.182	0.061	10.355	0.046		0.745	0.058	T	0.79	0.04	L	10.3905	0.0022	0.027	111		10.34	10.44		D			1 S							G
78497	9.005	0.011	8.431	0.010		0.537	0.013	T	0.61	0.01	L	8.4915	0.0021	0.018	149		8.46	8.53					1							S
78498	9.725	0.024	8.369	0.014		1.149	0.022	T	1.11	0.02	L	8.4193	0.0023	0.012	71		8.40	8.45					1							
78499	10.188	0.038	9.709	0.039		0.451	0.050	T	0.52	0.05	L	9.7675	0.0017	0.027	66		9.72	9.81		C			1							
78500	10.816	0.066	9.249	0.030		1.315	0.057	T	1.28	0.07	L	9.1605	0.0024	0.020	95		9.13	9.19		C			1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$		F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr													%	
1 2	3	4	5 6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
78501 H	16 01 32.24	−54 16 14.9	10.23	H	240.384 324 58	−54.270 793 53	*	2.13	−3.35	1.24	1.38	1.11	1.65	1.85	1.62	− 3 + 2 −18 + 0 − 7 − 7 −11 +32 −19 + 5											0	2.04
78502	16 01 32.64	+47 08 33.4	7.16	H	240.386 002 25	+47.142 604 46		1.75	−3.94	11.64	0.53	0.57	0.65	0.72	0.81	+ 8 − 3 −15 + 4 + 3 − 3 + 2 + 3 +13 + 3											0	0.24
78503	16 01 36.16	−15 13 19.0	9.57	H	240.400 681 38	−15.221 952 78		4.05	16.13	−29.86	1.64	0.80	1.80	1.82	1.47	−20 −35 − 7 + 7 −16 − 1 − 9 +37 −26 −21											2	3.68
78504	16 01 36.35	−27 16 43.8	8.79	H	240.401 464 93	−27.278 823 30		3.29	−29.54	−8.34	1.30	0.71	1.65	1.44	1.35	− 1 −37 −26 −11 −14 +32 +18 +32 −42 −50											0	−2.17
78505 H	16 01 37.04	−78 42 42.3	8.02	H	240.404 318 33	−78.711 749 07	*	17.22	−55.33	−105.74	0.56	0.66	0.79	0.53	0.71	+11 −20 + 5 − 9 − 7 −10 − 5 + 4 − 4 + 4											0	0.43
*78506	16 01 37.18	+12 03 03.1	8.28	H	240.404 896 39	+12.050 860 31		−0.24	7.04	−5.60	1.10	0.81	1.36	1.35	1.20	+16 −45 −34 +33 +17 −33 − 7 − 5 +25 −19											0	1.52
*78507	16 01 37.17	−34 13 44.1	9.01	H	240.404 891 09	−34.228 916 66		8.69	−25.31	14.13	1.02	0.74	1.33	1.22	1.02	− 8 −14 −41 + 6 +17 −10 +21 +15 − 6 −26											0	0.42
78508	16 01 38.50	−44 09 26.5	8.98	H	240.410 399 67	−44.157 361 01		5.10	−33.37	−72.53	1.06	0.78	1.30	1.28	1.02	− 6 −23 − 7 +14 − 8 −19 − 7 +25 −12 − 5											0	2.75
78509	16 01 39.77	−05 41 41.5	9.05	2 H	240.415 719 45	−05.694 874 14		0.67	−20.23	−1.74	1.28	0.71	1.29	1.65	1.18	−24 −28 +10 +15 +13 + 3 +21 +11 −15 − 2											0	0.18
78510 H	16 01 40.55	−24 19 30.7	8.68	H	240.418 937 68	−24.325 201 95	A	−2.22	−19.17	−15.19	3.75	3.60	2.05	2.98	2.79	+26 +11 −10 −12 −21 − 6 −25 +28 −11 −45											2	0.87
78511	16 01 40.98	−50 57 13.4	8.73	H	240.420 757 29	−50.953 710 64		2.79	−7.15	2.66	1.13	0.84	1.45	1.18	1.06	+14 −33 −23 +15 + 9 −16 +12 +26 −19 +15											0	0.72
78512	16 01 41.02	+66 48 10.2	9.76	2 H	240.420 927 63	+66.802 829 74		−1.72	−6.18	−5.47	0.88	0.96	0.98	0.92	1.08	+ 1 −23 − 7 − 8 + 2 − 6 + 2 +17 − 8 + 4											0	−1.72
78513	16 01 41.23	−03 45 48.6	6.87	H	240.421 776 62	−03.763 507 67		18.14	−76.23	30.07	0.92	0.65	0.93	1.03	0.92	−52 −30 + 2 +41 −38 +23 −35 +58 −10 −50											0	0.42
78514	16 01 44.23	+30 02 41.2	9.78	H	240.434 302 00	+30.044 790 32		−3.59	−15.99	−35.19	0.84	1.04	1.34	0.85	1.12	+18 −16 − 1 +14 +17 − 5 +18 +13 − 5 +16											0	1.29
78515	16 01 44.93	+64 05 47.0	10.27	H	240.437 222 57	+64.096 395 84		2.48	−6.83	14.31	0.98	0.98	1.05	1.07	1.14	+14 − 6 −17 − 7 + 1 −13 + 0 + 0 − 8 +13											1	1.10
78516	16 01 45.67	+31 52 34.3	7.67	H	240.440 301 40	+31.876 194 58		13.10	10.52	12.10	0.53	0.57	0.81	0.58	0.68	+ 2 −19 + 2 +11 + 2 −11 + 5 +11 − 7 −20											0	0.69
78517	16 01 46.43	+01 05 24.0	10.18	G	240.443 457 53	+01.090 004 30		4.82	0.15	14.04	1.28	0.98	1.87	2.00	2.27	−46 −18 + 0 + 8 − 4 −13 −12 + 3 +47 −40											0	−1.42
78518	16 01 47.33	−34 37 38.0	7.43	H	240.447 210 04	−34.627 218 45		2.70	−5.18	−8.19	0.78	0.51	0.96	1.00	0.78	− 6 −19 −24 +23 + 8 − 2 +14 +32 −14 −17											2	0.77
78519	16 01 47.54	+51 20 51.8	8.61	2 H	240.448 064 22	+51.347 724 33		16.81	−81.25	27.65	0.69	0.66	0.75	0.81	0.79	+10 −10 + 2 +18 + 3 − 3 + 6 + 1 − 4 +26											1	−0.50
78520	16 01 48.29	+34 51 42.1	8.83	G	240.451 219 74	+34.861 693 79		7.54	−20.47	26.98	0.74	0.69	0.98	0.88	0.79	+17 − 3 − 1 +13 − 9 + 5 − 9 − 5 + 6 +18											0	−1.82
78521	16 01 50.48	−44 26 03.3	9.20	G	240.460 317 75	−44.434 246 66		16.85	−156.54	−119.66	1.09	0.71	1.28	1.32	0.98	− 2 −34 −15 + 6 + 3 + 9 + 5 +23 − 3 − 6											0	0.46
78522	16 01 51.21	+21 13 33.5	11.24	H	240.463 389 22	+21.225 966 07		6.13	−0.62	−21.63	2.04	1.96	2.89	2.73	2.22	+11 −22 −21 +24 −16 +17 −11 +27 + 4 +15											0	2.76
78523 H	16 01 51.54	−28 22 26.1	8.81	2 H	240.464 766 74	−28.373 925 66	A	11.61	−11.64	−11.15	2.54	1.44	2.95	2.92	2.50	−23 −31 − 5 +25 −10 − 4 + 4 +51 −31 −25											7	0.86
78524	16 01 51.86	+59 37 50.1	7.85	H	240.466 098 61	+59.630 594 63		13.81	−124.32	53.82	0.56	0.60	0.65	0.58	0.61	− 1 −10 −17 −14 −14 + 9 −12 − 9 − 6 −12											1	1.36
78525	16 01 52.61	+13 28 20.7	7.51	H	240.469 227 63	+13.472 427 68		4.34	−22.47	15.65	0.88	0.65	0.98	1.21	0.83	+ 7 −30 −28 +20 + 6 − 9 + 9 +15 −19 + 4											0	0.87
78526 H	16 01 53.04	−64 24 00.8	7.81	2 G	240.470 991 43	−64.400 235 68	*	2.81	−3.32	−6.16	0.50	0.57	0.90	0.59	0.71	+10 −13 − 9 + 5 +17 −18 +17 + 6 − 4 − 3											3	0.77
78527	16 01 53.70	+58 33 52.0	4.01	H	240.473 765 60	+58.564 437 39		47.79	−320.07	334.96	0.48	0.51	0.54	0.50	0.53	+20 −18 −18 − 4 −11 +13 − 8 − 3 − 4 +11											1	0.37
78528	16 01 54.11	−33 57 12.2	13.55	H																								
78529	16 01 54.22	+03 48 30.0	8.42	H	240.475 929 76	+03.808 323 88		1.25	−35.40	−10.52	0.99	0.83	1.23	1.22	1.29	−30 −30 −14 +25 − 6 −30 −17 + 8 +19 −54											0	−1.27
78530	16 01 55.46	−21 58 49.2	7.19	H	240.481 092 94	−21.980 329 76		7.58	−11.51	−24.44	0.79	0.52	0.92	0.87	0.68	− 6 −35 −16 + 8 − 3 +29 + 9 +20 −19 −26											0	2.32
78531	16 01 56.82	−63 46 41.5	8.70	H	240.486 755 30	−63.778 189 11		11.49	−52.76	−25.31	0.67	0.77	1.13	0.80	0.95	− 2 −11 −21 − 3 + 9 −18 + 8 +11 + 4 −23											1	−0.65
78532	16 01 58.39	−46 54 13.7	8.42	H	240.493 282 36	−46.903 804 62		12.77	−29.06	−29.31	0.90	0.71	1.12	0.98	0.98	−10 −36 −21 +11 −26 − 3 −15 +45 −14 −42											0	1.34
78533	16 01 58.87	−37 32 03.5	7.39	1 H	240.495 305 48	−37.534 309 30		8.07	−11.50	−23.93	0.81	0.64	0.99	0.89	0.87	−32 −32 −15 +22 −30 +20 −16 +57 −24 −47											0	1.10
78534 H	16 02 00.42	−11 17 32.5	9.31	2 G	240.501 742 22	−11.292 362 50	*	0.00	−6.95	1.58	1.58	0.73	1.62	1.96	1.26	−11 −17 + 9 +30 +13 +33 +19 +29 −12 + 8											2	1.72
78535	16 02 01.13	−06 27 43.0	8.71	H	240.504 723 08	−06.461 933 87		3.10	3.75	40.37	1.23	0.69	1.23	1.43	1.17	−25 −34 + 7 +26 + 9 + 0 +21 +12 −13 −21											0	−0.65
78536	16 02 01.48	−11 34 48.2	9.70	G	240.506 157 85	−11.580 054 81		7.96	31.37	−30.89	1.74	0.81	1.88	2.14	1.41	−25 −10 + 7 +26 + 6 +37 +14 +22 −20 −10											0	0.50
78537	16 02 02.13	+40 01 22.0	6.86	H	240.508 893 37	+40.022 773 31		4.16	−57.09	30.04	0.50	0.50	0.63	0.57	0.56	+13 − 5 − 4 +11 +14 −13 +13 + 9 −12 + 1											0	−0.36
78538	16 02 03.63	+32 01 37.2	8.41	H	240.515 141 29	+32.026 992 72		3.00	19.11	−18.43	0.65	0.72	1.03	0.69	0.83	+ 5 −22 − 2 + 2 +10 − 7 +12 + 1 − 9 −13											0	1.38
78539	16 02 03.79	+17 28 50.4	10.87	2 H	240.515 806 76	+17.480 656 69		4.25	−3.21	6.04	1.80	1.40	2.01	1.98	1.66	+20 −10 + 0 +55 + 3 − 3 + 4 +36 − 8 +23											8	2.11
78540	16 02 04.49	−51 07 14.6	6.38	H	240.518 693 22	−51.120 733 42		4.51	−11.88	−15.38	0.74	0.52	0.90	0.80	0.71	+ 6 −33 −20 +23 + 3 −11 + 8 +33 −22 − 1											0	−1.34
78541	16 02 04.85	−36 44 37.9	6.99	H	240.520 225 62	−36.743 861 64		7.75	−21.43	−21.40	0.81	0.51	0.95	0.97	0.71	− 2 −32 −15 +29 + 8 −10 +12 +47 −21 + 4											0	−0.51
78542	16 02 05.56	+52 54 57.6	5.93	1 H	240.523 152 66	+52.916 006 07		3.98	1.80	−36.56	0.46	0.44	0.50	0.52	0.52	+10 −11 − 8 − 9 − 5 − 5 − 7 − 3 + 3 +21											0	1.00
78543	16 02 05.77	−20 45 20.1	9.27	H	240.524 024 51	−20.755 588 41		4.84	46.02	15.04	1.27	0.89	1.44	1.50	1.09	+ 0 −31 −31 + 6 − 2 + 4 + 3 +21 −10 −15											0	0.38
78544	16 02 06.23	+20 53 05.6	8.60	H	240.525 961 65	+20.884 881 40		7.42	−9.35	−53.02	1.02	0.88	1.28	1.07	1.05	+18 −27 −26 − 8 −31 + 8 −27 +25 − 5 + 1											0	1.45
78545	16 02 06.65	−00 49 15.8	7.27	G	240.527 694 61	−00.821 058 69		7.90	−22.24	−19.53	1.05	0.64	1.04	1.22	0.98	−36 −50 + 8 +24 −27 + 8 −26 +49 + 2 −32											3	−1.05
78546	16 02 09.59	+07 13 29.9	8.82	H	240.539 941 02	+07.224 961 50		8.31	−19.45	−9.63	1.11	0.97	1.52	1.39	1.29	−26 −35 −36 +34 −30 +10 −18 +40 −21 −40											0	1.23
78547	16 02 10.36	−42 41 59.3	6.91	H	240.543 184 70	−42.699 818 12		25.65	−3.12	−169.16	0.74	0.51	0.83	0.95	0.69	+ 1 −18 −13 +32 + 8 + 6 +10 +35 − 1 + 2											2	−0.04
78548	16 02 12.01	+55 10 28.7	8.96	H	240.550 029 54	+55.174 626 63		0.90	6.93	−0.05	0.71	0.74	0.78	0.84	0.88	+ 4 −10 −18 + 5 +20 − 3 +21 + 8 − 5 +12											0	0.39
78549	16 02 13.56	−22 41 15.0	7.33	H	240.556 514 17	−22.687 504 82		8.26	−11.43	−22.83	0.80	0.56	0.90	0.91	0.71	− 6 −30 −13 +14 − 2 +28 + 8 +22 −19 −18											0	2.94
78550	16 02 13.63	+34 26 39.1	8.73	H	240.556 796 52	+34.444 203 87		23.10	169.05	−113.81	0.73	0.68	0.96	0.81	0.78	+17 + 2 − 4 + 0 −15 + 2 −18 −21 − 3 + 5											0	0.89
78551	16 02 15.13	−19 27 08.1	8.26	H	240.563 052 12	−19.452 244 47		22.30	29.56	23.14	1.11	0.72	1.31	1.30	0.91	+ 5 −24 −27 + 6 − 4 +21 +10 +18 −33 −10											0	0.94
78552	16 02 15.86	−70 48 44.8	10.78	H	240.566 089 28	−70.812 451 12		−1.64	−49.08	−18.44	1.09	1.37	1.85	1.17	1.61	+19 −22 − 4 − 6 + 1 −10 + 2 + 9 − 7 +16											0	2.42
78553	16 02 16.06	−73 30 54.8	6.68	H	240.566 916 01	−73.515 227 79		14.93	−14.27	−74.28	0.43	0.49	0.65	0.53	0.62	+16 − 6 − 5 −12 − 7 − 8 − 5 +13 + 7 + 4											2	−1.25
78554	16 02 17.69	+22 48 15.8	4.82	H	240.573 704 53	+22.804 395 43		18.42	4.57	24.04	0.51	0.56	0.71	0.58	0.75	− 5 −11 −10 −25 −51 +15 −54 +28 −13 − 3											0	0.17
78555	16 02 18.54	−35 16 11.5	8.64	H	240.577 246 40	−35.269 862 10		9.93	−16.27	−28.96	1.00	0.65	1.11	1.36	0.91	+ 7 −10 − 9 +28 +22 + 6 +22 +39 − 4 +14											0	0.99
78556	16 02 21.52	−44 40 53.5	10.01	G	240.589 678 83	−44.681 514 65		3.38	−83.59	−168.29	1.33	0.93	1.60	1.71	1.19	− 6 −21 − 2 +27 +14 +24 +14 +33 − 1 +11											0	0.72
78557	16 02 22.45	+03 39 07.6	8.78	H	240.593 525 63	+03.652 099 28		12.88	−51.18	−39.52	1.13	0.88	1.38	1.20	1.26	−24 −49 + 1 +28 −15 −30 −24 +27 +23 −41											0	1.56
78558	16 02 23.40	−77 28 41.1	8.61	H	240.597 505 53	−77.478 077 96		1.43	−7.75	−10.23	0.69	0.82	0.97	0.84	1.04	+ 1 −12 +17 −12 +20 + 4 +16 +21 − 3 +17											1	0.82
78559	16 02 25.89	+35 35 28.9	9.21	H	240.607 867 98	+35.591 368 16		8.83	36.02	−27.34	0.75	0.79	1.00	0.82	0.94	+19 + 4 +10 − 3 −11 + 1 −12 − 7 − 4 +10											0	0.23
78560	16 02 26.71	+16 19 49.2	9.95	H	240.611 278 31	+16.330 334 58		−0.78	−2.69	−8.40	1.56	1.37	1.77	1.82	1.99	−35 −43 − 3 − 1 +19 −16 +13 −30 +11 −46											0	0.46
78561	16 02 26.90	+19 37 47.9	8.05	H	240.612 101 16	+19.629 981 14		4.72	−28.91	38.99	0.77	0.64	1.01	0.76	0.84	+ 9 − 9 −13 −27 −41 + 9 −47 +19 −11 + 8											0	0.42
78562	16 02 28.59	−56 51 15.0	6.51	H	240.619 133 51	−56.854 168 35		28.94	−145.89	−120.96	0.61	0.51	0.78	0.66	0.66	+ 5 −16 −14 + 7 + 5 −18 + 5 +14 − 3 − 4											0	−0.23
78563	16 02 29.08	−26 08 52.9	7.50	2 H	240.621 149 12	−26.148 021 78		3.82	23.52	−4.07	1.07	0.65	1.22	1.02	0.87	−16 −50 − 9 + 7 −15 +12 − 5 +40 − 7 −38											0	1.62
78564	16 02 30.22	+04 28 14.3	8.77	H	240.625 919 48	+04.470 627 86		3.48	−21.18	−67.73	1.13	0.86	1.31	1.21	1.20	−48 −51 +18 +27 −19 − 9 −13 +25 − 3 −46											0	−1.10
78565	16 02 34.57	+42 30 20.5	9.48	H	240.644 037 51	+42.505 692 08		3.07	−3.48	5.09	0.84	0.82	0.98	0.94	0.95	− 5 − 2 − 5 + 9 +22 − 4 +22 − 4 + 6 − 5											0	−0.39
78566	16 02 34.95	−17 51 46.5	8.85	G	240.645 634 94	−17.862 904 17		5.81	11.04	−10.23	1.11	0.78	1.24	1.29	0.96	− 5 −16 −20 +13 + 6 +19 +14 + 9 −23 −10											0	1.77
78567	16 02 35.01	−14 38 36.3	11.65	2 G	240.645 854 27	−14.643 407 75		31.38	138.62	−105.16	3.47	1.93	3.98	3.69	3.21	−18 −38 − 2 − 2 − 4 +15 +11 +18 −35 −30											4	−1.03
78568 H	16 02 35.71	−66 22 40.5	8.53	H	240.648 791 58	−66.377 914 74	A	7.36	−9.71	−40.46	1.30	1.29	1.84	1.22	1.53	+ 2 −25 − 9 −37 − 5 + 0 + 0 +14 − 5 − 8											3	0.80
78569 H	16 02 36.84	−12 30 26.7	9.85	G	240.653 504 59	−12.507 414 22	*	0.28	−4.77	−15.78	1.66	0.93	1.73	1.64	1.40	−19 −20 −17 +19 + 3 + 8 +16 +19 −19 −24											0	−1.08
78570	16 02 37.35	+18 06 50.3	7.54	H	240.655 632 73	+18.113 975 41		8.02	−17.88	14.08	0.80	0.68	1.01	0.82	0.77	+ 5 −30 −40 +38 −31 + 1 −28 +52 −23 − 5											0	−0.47
78571	16 02 37.39	+08 50 49.0	8.11	H	240.655 786 72	+08.846 950 18		3.96	−0.53	−14.53	0.99	0.95	1.21	1.26	1.43	−38 − 4 −36 +36 −31 +18 −26 +39 −20 −55											0	−0.73
78572 H	16 02 38.43	+26 36 44.1	7.67	G	240.660 142 37	+26.612 238 19	A	5.06	−19.89	−63.87	1.92	1.46	1.11	0.83	0.96	−15 − 9 + 7 + 2 + 1 +20 − 6 +17 +14 +24											1	−0.15
78573	16 02 38.49	−18 10 18.2	8.92	H	240.660 362 08	−18.171 715 90		3.06	−9.60	−5.09	1.14	0.74	1.15	1.43	0.96	+15 −30 −21 +11 + 1 + 7 + 5 +12 − 6 +23											0	1.26
78574	16 02 39.23	+47 14 24.7	6.52	3 H	240.663 467 53	+47.240 198 62		7.26	−67.82	64.49	0.57	0.62	0.70	0.77	0.81	+15 − 4 −22 + 3 + 1 − 6 + 0 +15 +12 + 8											0	−0.96
78575	16 02 39.40	−29 08 08.8	6.07	H	240.664 163 21	−29.135 776 64		7.23	34.54	−9.53	0.66	0.42	0.81	0.75	0.68	−31 −33 + 6 +16 − 2 +11 +10 +34 −36 −21											0	1.58
*78576	16 02 42.50	+32 33 09.6	8.64	1 H	240.677 099 96	+32.552 673 57		12.65	−145.20	104.26	0.66	0.77	1.07	0.73	0.86	+15 + 6 − 9 − 3 − 5 − 9 − 6 + 1 − 7 − 6											1	0.03
*78577	16 02 42.43	−03 39 28.7	7.61	G	240.676 787 78	−03.657 974 66		9.08	5.75	−75.70	1.05	0.76	0.96	1.15	1.08	−56 −27 + 1 +49 −47 +18 −46 +68 − 9 −52											0	−1.35
*78578	16 02 42.46	−50 15 24.1	8.20	H	240.676 921 39	−50.256 696 07		4.24	9.53	−7.38	1.12	0.75	1.34	1.47	1.12	+ 9 −13 −18 +19 − 1 −11 − 3 +41 −29 +23											4	0.30
78579	16 02 43.17	−52 34 06.9	10.14	H	240.679 859 51	−52.568 580 58		5.28	33.24	2.79	1.60	1.19	1.82	1.83	1.52	+33 −38 −27 +35 +30 − 5 +30 +41 − 5 +29											0	−1.03
78580	16 02 43.22	−00 24 44.6	7.45	H	240.680 070 63	−00.412 402 37		2.44	−26.29	6.22	1.15	0.72	1.26	1.46	1.51	−43 −49 +10 +53 −18 −34 −31 +27 +44 −69											0	0.07
78581	16 02 44.17	−30 40 01.3	9.07	H	240.684 027 39	−30.667 019 09		11.41	−20.77	−30.07	1.05	0.58	1.21	1.34	0.97	−10 −22 − 3 + 5 − 5 + 5 + 0 +40 −15 −14											4	−0.05
78582 H	16 02 44.55	−66 33 31.1	9.32	G	240.685 636 07	−66.558 630 30	A	1.89	−6.03	−9.12	1.32	1.45	1.97	1.38	1.65	+ 0 −20 −17 −14 + 2 − 4 + 4 +18 − 9 + 2											2	1.01
78583	16 02 44.60	+22 48 21.1	7.64	H	240.685 829 34	+22.805 868 93		10.30	8.04	27.76	0.62	0.70	0.89	0.72	0.93	− 1 − 6 −11 −26 −53 +14 −52 +24 −19 − 5											0	1.69
78584	16 02 45.15	+47 54 06.1	9.39	H	240.688 126 53	+47.901 696 73		2.47	14.73	−5.26	0.87	0.87	1.00	1.02	1.08	+14 − 1 −14 − 4 − 2 − 8 − 1 +15 +10 + 2											0	0.44
78585	16 02 45.22	−42 30 25.5	7.97	H	240.688 432 04	−42.507 075 89		5.94	−28.06	−79.15	0.88	0.60	0.99	1.15	0.76	− 6 −14 − 7 +38 + 9 + 5 +11 +30 − 3 + 6											2	0.20
78586	16 02 45.46	−23 10 52.1	7.97	H	240.689 395 90	−23.181 134 25		7.76	21.32	−6.24	1.06	0.77	1.14	1.25	1.01	− 1 −19 −11 +23 −12 +22 − 5 +38 −28 −11											0	1.10
78587	16 02 45.54	+48 21 03.5	8.23	H	240.689 741 84	+48.350 982 83		1.89	−13.14	15.83	0.64	0.62	0.71	0.74	0.75	− 3 + 4 − 3 − 5 + 3 − 1 + 4 +19 + 3 − 3											0	0.58
78588	16 02 45.70	+77 57 56.0	10.06	H	240.690 426 21	+77.965 549 91		3.02	−11.49	9.77	0.91	0.99	1.05	0.98	1.19	+ 1 −11 −19 −11 − 1 +13 + 7 +22 −27 −11											0	−1.17
78589	16 02 45.87	+30 10 23.1	9.02	H	240.691 129 81	+30.173 087 54		2.82	8.22	−2.29	0.67	0.84	1.17	0.69	0.99	+ 9 − 8 − 6 + 1 +10 −12 +12 + 7 − 6 − 3											1	0.06
78590	16 02 46.23	+22 14 18.7	7.03	H	240.692 606 80	+22.238 525 98		7.56	−13.82	−25.28	0.64	0.71	0.85	0.84	0.91	+18 −27 −15 −35 −50 +18 −47 + 6 +27											2	1.17
78591	16 02 47.48	−10 37 56.6	10.14	G	240.697 838 14	−10.632 388 62		9.26	−22.14	−13.74	1.86	0.83	1.51	2.19	1.43	+20 − 4 +19 +63 +32 +31 +38 +48 + 4 +24											0	−1.01
78592	16 02 47.85	+46 02 12.7	4.72	H	240.699 379 51	+46.036 853 78		8.68	56.01	−61.25	0.47	0.49	0.57	0.54	0.59	+22 − 7 −25 + 8 +13 + 4 +14 − 4 +24 +36											0	0.21
78593	16 02 48.25	−02 28 12.5	8.19	H	240.701 047 17	−02.470 131 12		6.89	−11.76	−10.37	1.75	1.27	1.49	4.44	3.35	− 6 −40 + 2 +72 − 4 + 2 + 5 +76 −27 −12											0	0.96
78594	16 02 49.51	−04 49 04.9	8.11	G	240.706 299 74	−04.818 038 23		10.13	−38.99	−57.62	1.03	0.58	1.07	1.31	1.01	−36 −36 + 1 − 2 − 8 +10 − 7 +25 − 7 −32											0	−0.07
78595	16 02 49.55	−45 52 37.1	9.20	G	240.706 474 10	−45.876 976 30		2.33	−6.76	−6.53	1.06	0.79	1.30	1.04	0.94	−10 −39 −25 + 7 − 5 − 8 + 2 − 9 −38											0	0.69
78596	16 02 49.61	−74 33 41.4	8.34	G	240.706 699 53	−74.561 487 94		9.09	−51.75	−145.55	0.59	0.68	0.87	0.68	0.92	+24 −11 − 4 + 1 + 3 −14 + 1 +16 −12 +34											0	−2.13
78597 H	16 02 50.90	+49 01 43.0	10.72	H	240.712 082 72	+49.028 603 76	*	13.98	−101.21	83.80	2.81	2.79	1.80	1.92	1.80	+ 0 + 1 − 6 − 4 + 0 − 1 + 2

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
78501	12.671	0.380	10.661	0.095	*	0.686	0.400	G	2.27	0.19	S *	10.2850	0.0071	0.041	79	*	10.21	10.35		R			2 C S A	AB	185	0.171	0.018	0.45	0.72	G
78502	9.001	0.012	7.309	0.006		1.413	0.011	T	1.39	0.02	L	7.3061	0.0013	0.013	130		7.29	7.32					1						S
78503	10.446	0.040	9.712	0.033		0.658	0.039	T	0.72	0.04	L	9.7068	0.0026	0.025	88		9.67	9.76		C			1						
78504	10.766	0.051	8.947	0.018		1.514	0.043	T	1.55	0.06	L	8.9120	0.0016	0.017	92		8.88	8.94		C			1						
78505	8.833	0.010	8.100	0.008	*	0.657	0.010	T	0.72	0.01	L *	8.1564	0.0020	0.018	158	*	8.13	8.18			16016−7843	H 1	2 C S A	AB	337	0.182	0.012	1.36	0.27	S
78506	9.298	0.020	8.369	0.015		0.821	0.019	T	0.84	0.01	L	8.4324	0.0020	0.014	63		8.40	8.47		C			1						S
78507	9.598	0.019	9.071	0.018		0.503	0.020	T	0.58	0.02	L	9.1223	0.0021	0.018	108		9.09	9.15		C			1						
78508	10.824	0.054	9.168	0.023		1.385	0.046	T	1.36	0.06	L	9.1260	0.0032	0.028	96		9.07	9.16			16016−4409	I 1	1 S						
78509	11.275	0.064	9.314	0.020		1.662	0.055	T	2.71	0.06	O	9.0350	0.0069	0.056	80		8.93	9.20		U 2			1						
78510	10.277	0.052	8.841	0.027	*	1.212	0.046	T	1.17	0.04	L *	8.8459	0.0018	0.012	59	*	8.83	8.87		D	16017−2420	I 1	2 C A	AB	34	0.330	0.005	0.33	0.06	
78511	10.462	0.035	8.882	0.017		1.325	0.031	T	1.29	0.04	L	8.8863	0.0017	0.017	84		8.86	8.91		C			1						
78512	11.677	0.112	9.970	0.039		1.425	0.094	T	1.41	0.15	L	9.9035	0.0071	0.068	108		9.80	10.00		U 2			1						P
78513	7.330	0.007	6.912	0.006		0.395	0.009	T	0.46	0.01	L	6.9583	0.0008	0.006	76		6.95	6.97		C			1						S
78514	10.855	0.059	9.915	0.040		0.830	0.053	T	0.85	0.04	L	9.9363	0.0024	0.030	169		9.87	10.00					1 S						
78515	11.493	0.079	10.315	0.042		1.010	0.070	T	0.99	0.06	L	10.4298	0.0033	0.029	109		10.37	10.48		C			1						G
78516	8.385	0.008	7.742	0.008		0.597	0.010	T	0.67	0.01	L	7.7984	0.0012	0.015	161		7.77	7.82					1						S
78517	10.859	0.052	10.275	0.048		0.640	0.020	G	0.70	0.02	H	10.2824	0.0022	0.024	85		10.24	10.32		C			1						
78518	9.871	0.025	7.696	0.009		1.797	0.021	T	1.82	0.02	L	7.5258	0.0015	0.012	108		7.50	7.54					1						
78519	9.499	0.015	8.679	0.012		0.724	0.015	T	0.78	0.01	L	8.7469	0.0033	0.034	112		8.69	8.81		U 2			1						S P
78520	9.174	0.013	8.846	0.014		0.280	0.015	G	0.32	0.02	H	8.9047	0.0020	0.021	141		8.87	8.95					1						
78521	10.145	0.028	9.243	0.021		0.773	0.004	G	0.82	0.00	H	9.3516	0.0016	0.016	96		9.33	9.38		C			1						
78522	11.807	0.135	11.216	0.131		0.560	0.072	G	0.63	0.07	R	11.3596	0.0069	0.052	69		11.18	11.43		C			1 S						G
78523	9.489	0.021	8.824	0.018	*	0.606	0.021	T	0.68	0.02	L *	8.9413	0.0028	0.082	140	*	8.91	9.20	2.19	P 1 A	16019−2822	I 1	2 C A	AB	22	6.118	0.006	1.28	0.03	
78524	8.653	0.013	7.926	0.011		0.667	0.014	T	0.73	0.01	L	7.9870	0.0011	0.009	85		7.97	8.01		C			1						S
78525	7.752	0.009	7.509	0.009		0.210	0.015	G	0.23	0.02	H	7.5745	0.0014	0.008	62		7.56	7.59		C			1						S
78526	7.699	0.006	7.785	0.007	*	−0.073	0.002	G	−0.05	0.00	H *	7.7849	0.0019	0.019	162	*	7.76	7.87		U 2 C	16019−6424	H 1	2 C S B	AB	26	0.121	0.015	0.09	0.77	S
78527	4.654	0.002	4.064	0.002		0.528	0.013	G	0.55	0.03	C	4.1190	0.0006	0.005	93		4.11	4.13					1						S
78528						1.549	0.015	G	2.43	0.11	I	13.5803	0.2898	0.694	13		12.78	14.85					S						G
78529	9.870	0.027	8.557	0.016		1.115	0.025	T	1.08	0.03	L	8.5837	0.0030	0.015	68		8.56	8.61					1						
78530	7.289	0.007	7.190	0.009		0.089	0.010	T	0.10	0.01	L	7.2224	0.0008	0.006	66		7.21	7.23					1						S
78531	9.316	0.015	8.749	0.014		0.512	0.015	G	0.58	0.02	A	8.8077	0.0017	0.018	143		8.78	8.85					1						
78532	8.996	0.012	8.493	0.012		0.484	0.013	T	0.56	0.01	L	8.5317	0.0019	0.015	106		8.51	8.56		C			1						
78533	7.508	0.008	7.409	0.008		0.097	0.011	T	0.11	0.01	L	7.4314	0.0036	0.024	81		7.41	7.48	2.79	P 1 A			1						S
78534	11.892	0.166	9.645	0.033	*						T *	9.3426	0.0137	0.085	86	*	9.18	9.38		U 2	16020−1118	H 1	2 C S A	AB	31	0.125	0.012	0.31	0.62	
78535	10.104	0.025	8.840	0.015		1.077	0.023	T	1.04	0.02	L	8.8803	0.0020	0.012	82		8.86	8.90		C			1						
78536	10.545	0.045	9.861	0.041		0.700	0.015	G	0.76	0.01	H	9.8220	0.0026	0.020	79		9.78	9.86		C			1						
78537	8.534	0.010	6.988	0.005		1.298	0.009	T	1.26	0.01	L	7.0126	0.0011	0.010	123		7.00	7.04					1						S
78538	9.950	0.018	8.544	0.010		1.188	0.016	T	1.15	0.01	L	8.5719	0.0017	0.018	162		8.54	8.60					1						
78539	11.164	0.070	10.916	0.089		0.236	0.106	T	0.26	0.13	L	10.9358	0.0338	0.195	89		10.70	11.22	0.23	P 1 A			1 S						G
78540	6.386	0.004	6.391	0.005		−0.003	0.006	T	0.02	0.01	L	6.3894	0.0008	0.008	98		6.37	6.40			16021−5107	I 1	1 S						S
78541	7.002	0.004	6.996	0.006		0.006	0.006	T	0.03	0.01	L	7.0017	0.0008	0.007	91		6.99	7.01					1						S
78542	7.884	0.008	6.085	0.004		1.498	0.007	T	1.52	0.01	L	6.0523	0.0014	0.010	116		6.04	6.07		M			1						S
78543	9.984	0.032	9.326	0.029		0.565	0.002	G	0.64	0.00	H	9.3873	0.0019	0.015	60		9.37	9.41		C			1						
78544	9.200	0.016	8.647	0.015		0.518	0.020	T	0.59	0.02	L	8.7093	0.0022	0.021	99		8.68	8.75					1						S
78545	7.602	0.008	7.289	0.010		0.300	0.015	G	0.34	0.02	H	7.3409	0.0009	0.004	56		7.33	7.35					1						S
78546	9.248	0.019	8.868	0.020		0.405	0.015	G	0.47	0.02	H	8.9107	0.0014	0.016	72		8.89	8.94		C			1						
78547	7.483	0.006	6.959	0.006		0.501	0.006	T	0.57	0.01	L	7.0246	0.0008	0.009	101		7.01	7.04		C			1						S
78548	10.749	0.044	9.133	0.019		1.353	0.038	T	1.32	0.04	L	9.1163	0.0019	0.017	104		9.08	9.14					1						
78549	7.426	0.009	7.338	0.010		0.079	0.012	T	0.09	0.01	L	7.3668	0.0014	0.009	55		7.35	7.38		C			1						S
78550	9.573	0.018	8.826	0.015		0.683	0.019	T	0.74	0.02	L	8.8711	0.0020	0.020	140		8.84	8.91					1						
78551	9.144	0.021	8.355	0.017		0.700	0.021	T	0.76	0.02	L	8.3927	0.0019	0.013	59		8.37	8.41		C			1						
78552	12.159	0.141	10.848	0.065		1.114	0.121	T	1.08	0.12	L	10.9557	0.0035	0.052	187		10.86	11.04					1 S						G
78553	6.958	0.004	6.710	0.004		0.236	0.005	T	0.26	0.01	L	6.7467	0.0007	0.009	166		6.73	6.76					1						S
78554	4.916	0.002	4.825	0.002		0.066	0.002	G	0.09	0.03	C	4.8506	0.0005	0.005	149		4.84	4.87					1						S
78555	9.081	0.015	8.685	0.015		0.387	0.018	T	0.45	0.02	L	8.7323	0.0015	0.016	101		8.71	8.77					1						
78556	10.762	0.043	10.122	0.040		0.629	0.012	G	0.70	0.01	H	10.1506	0.0027	0.024	100		10.10	10.20		C			1						G
78557	9.418	0.020	8.821	0.019		0.557	0.024	T	0.63	0.02	L	8.9037	0.0023	0.016	61		8.87	8.93		C			1						
78558	9.928	0.020	8.714	0.012		1.038	0.018	T	1.01	0.01	L	8.7797	0.0015	0.016	148		8.75	8.80		C			1						
78559	9.810	0.020	9.258	0.019		0.517	0.025	T	0.59	0.03	L	9.3237	0.0023	0.020	127		9.29	9.36		C			1						
78560	11.900	0.200	10.240	0.064		1.388	0.166	T	1.36	0.20	L	10.1027	0.0044	0.029	50		9.99	10.14					1						
78561	9.489	0.017	8.174	0.010		1.117	0.015	T	1.08	0.02	L	8.2161	0.0013	0.015	130		8.20	8.24		C			1						S
78562	7.127	0.006	6.573	0.005		0.526	0.001	G	0.60	0.00	H	6.6297	0.0009	0.008	99		6.61	6.64		C			1						S
78563	9.633	0.031	7.746	0.014		1.601	0.028	T	2.61	0.05	O	7.4980	0.0069	0.045	60		7.44	7.58		U 2			1 S						S P
78564	10.291	0.039	8.926	0.021		1.156	0.035	T	1.12	0.03	L	8.9359	0.0020	0.017	72		8.90	8.97		C			1						
78565	9.956	0.024	9.498	0.024		0.432	0.031	T	0.50	0.03	L	9.5828	0.0023	0.020	111		9.54	9.62					1						
78566	9.674	0.022	8.915	0.018		0.699	0.020	G	0.76	0.02	H	8.9955	0.0016	0.015	77		8.96	9.02					1						
78567						1.467	0.015	G	1.88	0.07	I	11.7169	0.0084	0.055	63		11.45	11.86		U			1						D
78568	9.212	0.013	8.675	0.012	A	0.500	0.495	G	0.58	0.03	L *	8.6442	0.0019	0.019	154	*	8.61	8.68		D	16026−6623	I 1	2 C A	AB	321	2.281	0.017	2.47	0.09	
78569	10.493	0.039	9.926	0.038	*	0.672	0.015	G	0.73	0.01	H *	9.9829	0.0018	0.019	81	*	9.94	10.02		D	16026−1230	H 1	2 C S B	AB	225	0.143	0.014	0.45	0.51	
78570	7.760	0.009	7.570	0.010		0.182	0.013	T	0.20	0.01	L	7.5992	0.0015	0.012	108		7.59	7.63					1						S
78571	10.026	0.034	8.310	0.016		1.432	0.030	T	1.42	0.05	L	8.2447	0.0025	0.015	62		8.22	8.27					1						
78572	8.313	0.007	7.730	0.009	*	0.571	0.015	G	0.64	0.01	H *	7.7865	0.0016	0.016	159	*	7.76	7.81			16026+2637	H 1	2 C A	AB	293	0.307	0.013	2.61	0.13	S
78573	9.424	0.020	8.940	0.019		0.456	0.025	T	0.53	0.03	L	9.0253	0.0027	0.018	71		9.00	9.06		C			1						
78574	7.952	0.022	6.595	0.027		1.164	0.029	T	4.29	0.09	O	5.7835	0.0288	0.214	100		5.42	6.08		U 2 B			1 S						S
78575	7.771	0.007	6.217	0.003		1.304	0.006	T	1.26	0.01	L	6.2238	0.0006	0.006	161		6.21	6.23		C	16027−2908	I 1	1						S
78576	9.517	0.014	8.730	0.012		0.714	0.014	T	0.77	0.01	L	8.7813	0.0017	0.023	140		8.75	8.83		U			1						S
78577	8.121	0.009	7.640	0.009		0.466	0.015	G	0.54	0.02	H	7.7086	0.0016	0.009	84		7.70	7.72		C			1						S
78578	8.626	0.012	8.237	0.012		0.380	0.014	T	0.44	0.01	L	8.2856	0.0015	0.017	82		8.26	8.32		C			1						S
78579	10.816	0.049	10.137	0.042		0.628	0.054	T	0.70	0.05	L	10.2718	0.0032	0.028	96		10.24	10.32		C			1						G
78580	8.765	0.017	7.577	0.011		1.018	0.016	T	0.99	0.01	L	7.6212	0.0012	0.009	62		7.60	7.65		C			1						S
78581	9.781	0.019	9.160	0.018		0.574	0.019	T	0.65	0.02	L	9.1988	0.0025	0.025	124		9.17	9.24					1						
78582	9.202	0.012	9.352	0.018	A	−0.100	0.015	G	−0.08	0.02	H *	9.2919	0.0022	0.027	157	*	9.25	9.35			16027−6634	I 1	2 C A	AB	25	6.179	0.034	2.99	0.14	
78583	8.014	0.007	7.680	0.007		0.317	0.009	T	0.37	0.01	L	7.7217	0.0013	0.013	156		7.69	7.74					1						S
78584	9.640	0.019	9.350	0.022		0.276	0.027	T	0.31	0.03	L	9.4637	0.0026	0.025	102		9.42	9.51					1						
78585	9.549	0.018	8.137	0.010		1.193	0.016	T	1.15	0.01	L	8.1307	0.0015	0.013	98		8.11	8.15		C			1						
78586	8.209	0.013	7.987	0.017		0.215	0.015	G	0.24	0.02	H	8.0315	0.0013	0.010	55		8.02	8.07					1						S
78587	9.464	0.017	8.336	0.011		0.971	0.016	T	0.96	0.01	L	8.3964	0.0016	0.014	115		8.38	8.43		C			1						
78588	11.578	0.093	10.183	0.043		1.179	0.080	T	1.14	0.07	L	10.2265	0.0024	0.023	100		10.18	10.27		C			1						
78589	10.614	0.035	9.166	0.017		1.221	0.031	T	1.18	0.03	L	9.1830	0.0026	0.027	183		9.14	9.23					1						
78590	7.205	0.006	7.051	0.006		0.148	0.008	T	0.16	0.01	L	7.0872	0.0009	0.010	99		7.07	7.11					1 G						S
78591	10.859	0.049	10.360	0.053		0.607	0.015	G	0.68	0.01	H	10.2405	0.0028	0.022	90		10.20	10.27		C			1						G
78592	4.604	0.002	4.705	0.002		−0.094	0.011	G	−0.06	0.03	C	4.6967	0.0005	0.005	95		4.69	4.71		C			1						S
78593	10.165	0.030	8.366	0.013		1.498	0.026	T	1.52	0.04	L	8.3091	0.0018	0.014	74		8.29	8.34		C	16028−0228	I 1	1 G						S
78594	8.724	0.012	8.188	0.012		0.558	0.007	G	0.63	0.01	H	8.2268	0.0009	0.007	77		8.22	8.24		C			1						S
78595	9.458	0.017	9.296	0.021		0.219	0.015	G	0.24	0.02	H	9.2740	0.0018	0.022	93		9.24	9.31		D			1						
78596	8.749	0.009	8.378	0.009		0.363	0.015	G	0.42	0.02	H	8.4308	0.0014	0.017	161		8.41	8.47		C			1						
78597	12.134	0.131	10.838	0.066	*	1.102	0.115	T	1.06	0.12	L *	10.8835	0.0045	0.046	123	*	10.77	10.95		R	16028+4902	H 1	2 C A	AB	101	0.286	0.009	0.17	0.07	G
78598	8.803	0.012	8.555	0.013	*	0.256	0.015	G	0.29	0.02	H *	8.5945	0.0018	0.019	109	*	8.57	8.62		D	16029+4644	M 1	2 C A	AB	34	0.653	0.010	2.22	0.05	S
78599	9.539	0.017	9.028	0.016		0.480	0.021	T	0.55	0.02	L	9.0810	0.0019	0.024	127		9.04	9.12					1						S
78600	8.191	0.011	7.865	0.011		0.353	0.012	G	0.41	0.01	H	7.8959	0.0012	0.012	80		7.88	7.92		C			1						S

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)										Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
78601	16 02 51.83	−30 56 39.5	7.78	H	240.715 937 92	−30.944 301 65	10.47	−107.03	−90.99	0.85	0.50	1.00	1.12	0.79	− 6	−15	−13	+20	−11	+31	− 5	+47	−19	−15	0	1.21
78602 H	16 02 51.96	−25 00 51.3	7.03	H	240.716 496 22	−25.014 244 32 A	3.33	−18.78	−26.42	1.08	0.86	1.12	1.03	0.96	−28	− 9	−30	−11	− 4	− 6	− 1	+18	− 9	−47	1	−0.13
78603	16 02 52.53	−62 32 29.5	6.25	H	240.718 879 86	−62.541 524 74	9.62	−30.89	−26.69	0.44	0.53	0.73	0.55	0.67	−16	−10	−10	+12	+ 8	−13	+ 5	+33	+ 4	−13	1	0.14
78604	16 02 53.19	−60 20 10.3	8.34	G	240.721 613 04	−60.336 183 31	3.72	−18.33	−21.88	0.79	0.76	0.98	1.01	0.97	+10	−15	−20	+52	+15	−12	+16	+62	−13	+ 3	2	0.98
78605	16 02 53.88	−50 12 30.8	9.97	H	240.724 519 48	−50.208 564 66	6.59	18.14	26.02	1.56	1.15	2.06	2.28	1.70	+ 4	−17	−17	+23	− 4	− 3	− 2	+36	−29	+23	0	2.41
78606	16 02 54.84	+19 47 25.6	9.06	H	240.728 508 90	+19.790 436 10	3.90	6.22	4.37	0.98	0.89	1.38	0.99	1.01	+23	−24	−15	−38	−42	+15	−38	+13	+ 3	+11	0	2.05
78607	16 02 56.00	−43 26 29.4	7.36	H	240.733 323 22	−43.441 508 90	5.41	−12.60	−15.29	0.76	0.51	0.88	0.80	0.66	− 2	−32	−12	+19	− 1	−13	+ 5	+32	−13	−19	0	0.33
78608	16 02 56.34	+28 57 20.1	8.44	H	240.734 758 45	+28.955 570 60	2.84	1.87	−17.29	0.57	0.73	1.08	0.56	0.85	+19	−20	−16	− 2	+22	−13	+25	+ 9	−10	+13	1	0.33
78609 H	16 02 56.95	−32 09 43.0	8.75	H	240.737 301 84	−32.161 953 13 A	14.48	17.40	−8.49	1.92	1.13	2.21	2.53	1.99	−16	−34	+12	+29	−26	−27	−15	+59	+24	−49	1	0.50
78610	16 02 57.15	+01 41 54.5	8.03	H	240.738 130 29	+01.698 478 93	6.23	32.34	−19.23	0.92	0.73	1.23	1.55	1.63	−51	−18	+ 7	+33	−27	−33	−32	+36	+50	−52	0	−1.46
78611	16 02 57.47	−56 25 31.3	7.88	H	240.739 476 78	−56.425 362 29	6.32	−14.33	−28.42	0.71	0.62	0.96	0.79	0.78	+ 3	−20	−21	− 3	+ 4	−20	+ 3	+ 9	−14	− 1	0	1.47
78612	16 02 57.64	+60 27 21.4	8.60	H	240.740 183 53	+60.455 941 15	2.51	−2.11	8.51	0.63	0.68	0.73	0.61	0.71	− 4	−18	+10	−27	−17	+ 4	− 9	+ 4	−10	−27	3	1.09
78613	16 02 58.07	−01 38 58.2	8.10	H	240.741 969 13	−01.649 496 38	3.44	−27.46	−6.03	1.21	0.74	1.19	1.30	1.10	−35	−46	+10	+42	−23	− 5	−19	+54	− 3	−29	0	−0.46
78614	16 02 58.29	+12 10 09.1	8.75	H	240.742 890 92	+12.169 184 47	11.11	−53.62	16.91	1.14	0.78	1.17	1.55	1.12	+ 0	−13	−11	+44	+ 1	+ 6	+ 7	+11	− 1	+13	0	−1.55
78615	16 02 58.84	−08 02 53.5	7.12	H	240.745 163 25	−08.048 186 25	13.99	15.20	−7.57	0.96	0.50	0.99	1.14	1.10	−33	−31	+13	+21	− 6	− 4	+11	+31	+ 7	−46	0	1.26
78616	16 02 59.12	−50 00 45.3	8.57	H	240.746 317 83	−50.012 582 61	5.58	−124.74	−91.77	1.15	0.80	1.44	1.54	1.23	+ 5	− 1	−19	+25	− 9	+ 7	− 9	+38	−32	+10	4	0.35
78617	16 02 59.92	+70 06 50.2	8.33	2 H	240.749 681 61	+70.113 953 64	2.32	−16.42	−4.16	0.61	0.64	0.67	0.64	0.77	+10	− 8	−10	−20	+ 2	−19	+ 2	−11	−12	+ 1	0	0.47
78618	16 03 00.03	−41 27 09.9	11.79	H	240.750 107 38	−41.452 751 00	19.92	11.81	24.73	2.43	1.51	3.38	3.18	1.86	− 8	−11	−14	− 7	+15	−44	+11	+ 0	−27	+17	0	1.18
78619	16 03 00.06	+35 01 08.8	8.40	H	240.750 263 33	+35.019 123 99	2.74	1.69	11.99	0.68	0.70	0.93	0.84	0.77	+ 9	− 4	+10	+ 9	−18	− 8	−14	−17	− 4	+13	0	1.47
78620	16 03 00.31	−06 27 11.5	10.20	G	240.751 286 04	−06.453 204 03	10.83	−230.59	40.88	1.67	0.85	1.74	1.94	1.53	−19	−30	+ 5	+22	+ 6	+ 3	+17	+23	−22	− 9	0	−0.42
78621 H	16 03 02.21	+13 59 29.3	7.95	H	240.759 208 91	+13.991 476 47 A	8.95	−21.73	−21.52	2.85	1.85	2.59	2.78	2.19	+11	−37	+ 7	+10	− 2	+ 4	− 2	+14	+ 0	−17	4	0.25
78622	16 03 03.13	−20 28 16.7	10.03	H	240.763 061 46	−20.471 300 13	3.66	4.46	−5.28	1.85	1.32	2.15	2.34	1.58	+ 2	−22	−38	+ 8	+ 7	+ 1	+ 9	+12	−10	− 7	0	−0.35
78623	16 03 03.20	+57 24 30.7	8.21	H	240.763 333 53	+57.408 529 76	2.85	−8.55	−24.87	0.60	0.68	0.72	0.73	0.73	+13	− 8	−44	−11	+ 4	− 2	+ 2	−24	+17	+19	0	0.58
78624	16 03 03.51	−05 50 04.1	6.97	H	240.764 616 94	−05.834 482 76	4.41	5.17	−26.96	0.89	0.56	0.93	1.06	0.91	−26	−32	− 2	+20	− 3	− 4	+ 1	+24	− 3	−34	0	0.49
78625	16 03 04.64	+21 52 46.9	8.78	H	240.769 315 21	+21.879 680 91	3.37	18.89	−5.33	0.92	0.91	1.31	0.97	1.18	+13	−31	− 9	−13	−36	+16	−35	+15	− 7	+ 4	0	−2.52
78627	16 03 06.60	−08 27 05.5	9.19	G	240.777 489 24	−08.451 527 43	5.76	−33.20	6.97	1.55	0.78	1.66	1.72	1.76	−34	−37	+30	+28	−12	−22	+ 6	+38	+27	−48	0	0.13
78628	16 03 07.07	−19 50 26.5	7.31	H	240.779 449 40	−19.840 701 19	3.05	−11.55	−4.96	0.94	0.65	1.09	1.15	0.76	+ 2	−18	−30	+27	− 3	+33	+11	+30	−22	− 9	0	1.40
78629	16 03 07.23	−65 39 19.9	9.16	H	240.780 141 89	−65.655 519 61	8.90	−28.09	−23.34	0.73	0.85	1.31	0.82	1.12	+ 6	+14	+ 3	−46	− 7	−13	− 1	− 1	− 4	− 9	1	0.24
78630	16 03 08.41	+68 31 34.4	9.74	G	240.785 057 35	+68.526 231 54	14.67	−230.68	126.77	0.91	0.95	0.97	1.06	1.17	+ 2	−14	− 5	−10	−13	+ 4	−13	− 8	− 2	−16	0	−0.12
78631	16 03 08.46	−52 44 19.2	9.71	H	240.785 260 68	−52.738 662 47	1.39	−35.83	−39.06	1.32	1.04	1.57	1.66	1.29	+21	−24	−16	+34	+31	+ 1	+30	+42	− 2	+26	0	−0.02
78632	16 03 09.37	+59 24 38.9	6.19	1 H	240.789 029 02	+59.410 812 05	3.69	−18.57	−30.45	0.50	0.51	0.57	0.51	0.51	+ 3	−21	−16	−16	−17	+25	−12	− 6	− 5	− 3	3	1.91
78633	16 03 09.68	−08 46 44.7	9.63	G	240.790 334 14	−08.779 087 14	7.50	−6.18	0.01	1.52	0.80	1.63	1.94	2.02	−25	−23	+24	+23	−12	− 8	+ 6	+42	+26	−49	2	−0.19
78634	16 03 09.91	+44 45 09.8	8.86	H	240.791 294 52	+44.752 712 87	3.60	−1.04	9.18	0.75	0.80	0.93	0.81	0.93	− 5	+19	+11	−13	+13	−14	+20	+19	+17	−17	0	−0.29
78635	16 03 10.30	−26 37 47.1	8.43	H	240.792 908 98	−26.629 743 18	4.15	−5.60	−5.86	1.18	0.88	1.33	1.15	1.08	−28	−41	−11	+13	−23	+15	−11	+43	−15	−48	0	−0.28
78636	16 03 12.38	−00 33 13.7	9.75	G	240.801 596 37	−00.553 800 31	11.13	39.91	7.11	1.89	1.12	2.07	2.91	2.53	−39	−51	+20	+47	−27	−47	−37	+45	+49	−61	3	2.19
78637 H	16 03 12.46	+28 51 06.5	9.00	H	240.801 927 16	+28.851 805 79 A	1.53	0.05	−11.75	1.52	1.67	2.34	1.22	1.71	+20	−12	− 9	− 5	+26	− 2	+32	+ 7	+ 2	+14	0	0.99
78638	16 03 12.49	+37 31 33.5	8.87	H	240.802 040 30	+37.525 964 83	7.27	−16.39	−0.48	0.66	0.79	0.98	0.82	0.92	+ 7	+11	+ 0	− 8	− 9	+21	− 8	−10	+ 4	− 6	2	−0.01
78639	16 03 12.86	−49 13 47.0	4.65	G	240.803 584 19	−49.229 720 74	14.97	41.18	10.39	0.60	0.48	0.76	0.65	0.64	− 6	−26	−21	− 3	−22	+ 7	−16	+30	−21	−17	0	−0.55
78640	16 03 13.45	+42 14 49.8	9.86	G	240.806 054 10	+42.247 180 50	8.03	−195.40	−366.27	0.87	1.00	1.12	1.09	1.11	+ 8	− 6	+ 0	+18	+23	+ 8	+21	+ 4	+ 6	+10	0	1.80
78641	16 03 13.55	−35 17 14.7	8.06	H	240.806 473 89	−35.287 417 29	7.56	−20.68	−27.55	0.81	0.55	0.98	1.09	0.81	− 7	− 9	−28	+18	− 6	+ 9	− 2	+50	−25	−10	0	0.82
78642	16 03 13.76	+34 41 16.8	8.39	H	240.807 323 68	+34.687 999 27	1.39	−10.08	9.24	0.58	0.65	0.86	0.68	0.67	+10	− 4	+ 8	+ 3	− 8	−15	− 6	−27	−10	+11	1	0.77
78643	16 03 13.99	−60 24 21.4	8.05	G	240.808 282 70	−60.405 935 63	1.85	−2.55	−2.55	0.62	0.71	0.85	0.73	0.89	−15	−23	−21	+41	−18	− 6	−11	+61	−12	−35	0	0.52
78644	16 03 14.60	+05 10 41.8	9.31	H	240.810 813 06	+05.178 291 19	2.79	−1.67	18.36	1.13	0.90	1.38	1.41	1.32	−31	−37	+ 5	+20	−10	+17	− 6	+33	−11	−30	0	1.43
78645	16 03 14.73	−59 08 54.0	8.94	H	240.811 381 40	−59.148 345 30	2.57	−9.58	−12.80	0.87	0.78	1.14	0.98	0.97	+ 9	−25	−16	+61	+25	−19	+31	+61	−30	+10	0	−0.07
78646	16 03 15.87	+53 13 01.0	7.94	H	240.816 105 24	+53.216 943 64	1.81	2.11	4.05	0.64	0.61	0.70	0.76	0.73	+ 9	−10	− 6	−10	− 3	−20	− 4	−18	+ 3	+22	0	0.59
78647	16 03 16.14	−26 43 00.0	6.96	H	240.817 230 88	−26.716 661 93	19.93	−2.52	−180.22	0.85	0.64	0.99	0.84	0.80	−24	−43	−15	+ 5	−18	+16	− 5	+35	−13	−48	3	0.62
78648	16 03 16.30	+14 17 22.5	9.37	H	240.817 906 57	+14.289 588 79	9.00	−42.20	−0.99	1.45	1.04	1.62	1.98	1.54	−27	−31	+ 1	+ 6	−21	− 1	−15	+19	−19	−17	0	0.73
78649	16 03 19.36	+36 37 54.6	5.79	H	240.830 661 82	+36.631 819 86	4.72	8.03	−13.52	0.42	0.47	0.59	0.51	0.55	+ 5	+ 3	− 3	−11	− 9	+ 3	−10	−13	−16	−14	2	−0.50
78650	16 03 20.67	−25 51 54.5	4.96	H	240.836 112 43	−25.865 148 91	15.39	−67.89	−37.57	0.84	0.61	0.91	0.89	0.73	−25	−34	+ 6	+23	− 1	+ 7	+ 1	+36	− 2	−26	3	−1.08
78651	16 03 21.35	+20 13 25.0	8.53	H	240.838 955 14	+20.223 615 09	2.61	−0.02	6.41	0.94	0.91	1.30	0.95	1.11	− 1	−18	−30	−26	−37	+14	−33	+31	−11	−18	0	1.39
78652	16 03 21.96	−36 51 59.4	8.98	H	240.841 501 53	−36.866 513 33	5.68	−66.93	−58.57	1.12	0.72	1.28	1.48	1.01	+ 4	−17	−14	+33	+15	− 2	+16	+42	− 8	+11	0	−0.21
78653	16 03 22.47	−63 22 00.2	7.84	G	240.843 608 34	−63.366 731 26	12.22	68.55	−81.80	0.63	0.73	0.91	0.79	0.95	−22	− 9	− 9	+10	−18	−17	−14	+34	+ 6	−48	2	−0.66
78654	16 03 23.00	−66 37 13.9	7.67	H	240.845 821 40	−66.620 541 42	8.40	−29.01	−35.39	0.54	0.59	0.89	0.58	0.67	−13	−13	+10	−26	+ 9	−11	+10	+20	+ 3	−13	1	−0.42
78655	16 03 24.20	−38 36 08.9	4.90	H	240.850 843 98	−38.602 471 22	6.19	−17.68	−28.54	0.64	0.53	0.76	0.65	0.68	−35	−37	−23	+19	−36	+11	−19	+57	−20	−62	0	−0.71
78656	16 03 26.61	+81 42 20.4	9.42	H	240.860 872 00	+81.705 661 84	10.74	−39.22	76.74	0.70	0.79	0.85	0.76	0.96	+ 9	−11	−33	− 3	− 1	+ 3	− 1	−12	+14	+ 2	1	−0.20
78657	16 03 28.30	+39 24 57.9	9.73	H	240.867 903 14	+39.416 082 31	0.40	−6.79	7.44	0.85	0.87	1.09	1.01	0.91	+ 3	+ 3	+ 3	+ 9	+16	− 3	+13	− 6	− 7	− 3	0	−1.30
78658 H	16 03 28.37	+61 20 36.5	8.51	H	240.868 222 21	+61.343 459 64 A	2.07	12.73	−6.42	0.98	0.92	0.98	0.92	0.98	−10	+11	+16	+ 0	−28	+11	−30	+ 6	−31	−47	1	−0.64
78659	16 03 28.90	−60 29 12.7	8.40	2 G	240.870 403 95	−60.486 874 68	0.86	−4.86	−3.69	0.74	0.75	0.96	0.89	0.94	− 7	− 7	− 8	+44	+ 0	− 4	+ 3	+55	− 9	−21	0	−0.23
78660	16 03 31.04	−54 03 24.5	10.84	H	240.879 325 84	−54.056 818 74	0.51	3.46	2.13	2.09	1.51	2.51	2.49	2.06	+ 7	−15	−17	−18	+ 5	− 9	− 1	+15	−21	+29	0	0.84
78661	16 03 31.40	+76 47 38.0	5.73	H	240.880 816 82	+76.793 889 26	5.61	−17.52	20.44	0.45	0.45	0.49	0.43	0.54	+17	−38	−16	− 4	+ 3	− 1	+ 1	+15	+ 1	+20	0	0.94
78662 H	16 03 32.22	−57 46 29.5	4.63	G	240.884 254 37	−57.774 873 51 *	23.26	−118.32	−78.34	1.58	2.34	0.98	1.48	1.63	+21	− 8	+ 3	+47	+27	−11	+31	+27	+ 1	+30	11	3.47
78663	16 03 33.44	−30 08 13.2	8.91	H	240.889 313 24	−30.136 988 28	8.34	−13.64	−24.78	1.01	0.58	1.29	1.14	0.96	−16	−33	− 7	+13	− 2	+ 8	+12	+42	−38	−17	0	−0.53
78664	16 03 33.62	−16 24 07.6	8.25	H	240.890 098 35	−16.402 119 12	1.51	15.25	−3.02	0.96	0.66	1.08	1.08	0.82	− 4	−35	−21	+ 6	− 3	+12	− 1	+12	+ 4	−17	6	2.83
78665	16 03 34.38	−32 00 01.7	6.00	G	240.893 269 68	−32.000 467 45	18.28	−37.60	−29.22	0.77	0.44	0.90	0.91	0.70	− 8	−38	− 9	+18	− 8	+ 9	− 2	+43	− 2	−23	0	−2.68
78666	16 03 34.53	+31 10 36.4	8.82	H	240.893 864 97	+31.176 776 76	1.20	−34.02	21.62	0.69	0.83	1.15	0.75	0.96	+21	− 9	+ 4	+19	+13	− 7	+13	+14	+ 0	+ 4	1	1.54
78667	16 03 34.92	+52 14 28.9	9.19	H	240.895 518 29	+52.241 359 45	5.76	−14.03	−19.35	0.81	0.76	0.87	0.91	0.90	+10	− 7	−15	−16	−12	+ 8	−13	− 4	+10	+14	0	1.99
78668	16 03 35.55	+22 35 12.6	8.40	H	240.898 139 75	+22.586 837 19	1.88	−12.15	−0.39	0.84	0.92	1.13	0.96	1.27	− 1	− 8	−14	−27	−50	+12	−49	+29	−11	−10	0	0.47
78669	16 03 36.33	−05 16 43.2	8.62	H	240.901 385 36	−05.278 668 64	5.38	−5.41	−8.60	1.24	0.70	1.25	1.56	1.24	−38	−43	+20	+22	− 8	+ 4	− 8	+41	+ 2	−21	0	1.24
78670	16 03 37.94	+27 51 12.8	10.48	H	240.908 099 32	+27.853 552 54	0.10	−10.68	1.42	0.87	1.25	1.75	0.89	1.39	+20	− 8	+12	+ 0	+29	+ 7	+28	+15	+ 3	+34	1	2.74
78671	16 03 38.10	+25 21 10.2	10.02	H	240.908 767 14	+25.352 827 98	10.89	−80.02	18.81	0.89	1.04	1.90	1.13	1.46	+ 1	− 9	+10	+ 4	−11	+19	−16	+19	+17	+ 2	0	2.28
*78672	16 03 39.64	+11 26 01.1	7.13	H	240.915 172 02	+11.433 631 33 A	5.69	−54.18	−26.09	1.14	0.93	1.27	1.50	1.23	−18	−38	−16	−13	+ 5	−19	+ 1	−14	+ 8	−29	1	0.75
*78673	16 03 39.61	+24 12 19.5	9.15	H	240.915 036 27	+24.205 422 12	5.57	−13.11	−16.41	0.50	0.66	1.19	0.62	0.88	+23	− 4	− 1	+24	+10	− 2	+10	+18	− 3	+27	0	−0.99
78674	16 03 40.61	−61 28 15.1	7.54	H	240.919 227 40	−61.470 853 66	11.29	6.38	−34.75	0.57	0.75	0.91	0.71	0.97	−39	−15	−13	+35	−33	+ 6	−24	+62	−26	−51	1	0.03
78675	16 03 41.42	−64 27 54.1	7.44	H	240.922 584 51	−64.465 018 18	2.28	−3.55	−3.37	0.50	0.56	0.85	0.63	0.73	+14	−10	−10	+ 7	+25	−16	+26	+12	− 8	+ 9	3	−0.66
78676	16 03 41.54	+59 05 22.7	6.81	H	240.923 096 08	+59.089 650 74	7.30	−17.64	−10.55	0.54	0.54	0.61	0.54	0.57	+ 3	−28	−16	− 1	−19	+22	−14	+14	− 7	− 8	1	2.38
78677	16 03 41.93	−81 32 17.7	9.36	H	240.924 695 49	−81.538 262 17	5.93	−0.94	−17.92	0.83	0.85	1.06	0.75	0.96	+19	−32	−24	− 2	− 2	+ 2	− 5	+10	+ 8	+15	0	0.25
78678	16 03 42.23	+45 17 22.6	10.36	H	240.925 966 93	+45.289 609 86	23.84	−180.18	−229.03	1.00	1.09	1.25	1.06	1.21	+ 0	− 7	− 5	−16	+10	−15	+11	+ 5	+14	−12	1	0.59
78679	16 03 42.53	+35 32 56.4	8.07	H	240.927 225 06	+35.549 003 45	10.89	29.92	34.06	0.62	0.68	0.90	0.70	0.83	+13	+10	+ 9	+ 7	−10	+14	−15	−32	−10	+ 1	1	1.45
78680	16 03 42.79	+34 00 46.4	8.21	H	240.928 292 58	+34.012 900 10	21.39	55.21	29.76	0.60	0.64	0.86	0.61	0.71	+ 6	− 2	+12	− 4	−11	− 1	−12	− 6	−17	+ 0	0	0.21
78681	16 03 43.79	−19 34 30.8	8.29	H	240.932 444 08	−19.575 210 17	3.60	26.16	3.69	1.09	0.76	1.29	1.42	0.99	+ 0	−20	−28	+ 9	−13	+30	+ 1	+26	−31	−10	0	1.99
78682	16 03 44.47	−60 29 54.4	7.12	2 H	240.935 296 59	−60.498 457 17	0.79	−4.22	−2.23	0.54	0.55	0.74	0.63	0.70	−10	−20	−23	+41	−11	−12	− 6	+54	−18	−29	0	−0.40
78683	16 03 44.53	−60 30 47.4	8.10	G	240.935 542 06	−60.513 167 99	0.64	−2.57	−3.46	0.73	0.71	0.95	0.85	0.89	− 5	−24	−10	+46	+ 3	−12	+ 7	+53	−13	−15	2	−0.84
78684 H	16 03 45.38	−43 55 49.0	9.70	H	240.939 078 77	−43.930 288 53 *	7.00	−14.13	−25.52	3.40	2.10	2.41	2.43	1.93	+ 6	−25	−14	−12	− 5	−10	− 4	+15	− 9	−24	0	0.43
78685	16 03 45.71	+04 59 12.5	6.07	G	240.940 471 89	+04.986 791 89	8.37	−38.08	17.25	0.72	0.53	0.82	0.77	0.73	−28	−43	+ 9	+29	+ 2	+ 8	+ 9	+18	−11	−28	0	−0.86
78686	16 03 48.30	+50 30 45.8	9.28	H	240.951 241 83	+50.512 734 69	1.45	−9.22	−2.65	0.78	0.78	0.88	0.84	0.85	+14	−11	− 2	− 9	− 1	+ 9	+ 0	+17	+ 4	+ 9	0	0.97
78687	16 03 49.12	−15 07 00.6	9.22	H	240.954 677 90	−15.116 821 06	15.63	−12.53	−29.40	1.25	0.97	1.43	1.50	1.19	−23	−22	− 6	− 3	+ 0	− 6	+ 7	− 5	−31	− 6	0	1.35
78688 H	16 03 49.23	+14 06 29.8	9.11	H	240.955 114 95	+14.108 278 23 A	23.67	138.40	−134.39	2.52	2.06	2.80	2.63	2.03	−10	−63	−11	− 3	− 5	+16	+18	+12	−34	−15	2	0.82
78689	16 03 49.35	−62 41 35.8	10.09	2 G	240.955 639 64	−62.693 289 32	1.63	−7.26	−11.13	1.07	1.30	1.77	1.36	1.51	−12	−11	− 1	+20	+12	−25	+ 8	+40	+ 1	+ 1	2	1.70
78690	16 03 49.85	+17 48 09.8	6.75	H	240.957 701 82	+17.802 730 69	5.84	−22.63	17.03	0.73	0.58	0.85	0.78	0.67	+ 6	−24	−17	+45	−23	− 3	−23	+41	− 8	+ 6	2	1.50
78691	16 03 49.89	+71 57 59.6	7.77	H	240.957 858 91	+71.966 557 50	3.32	−18.68	26.08	0.58	0.56	0.60	0.57	0.64	+ 2	− 3	− 7	−26	− 2	−16	+ 0	+ 7	+ 4	− 9	0	−0.21
78692	16 03 50.43	−42 29 34.6	8.32	G	240.960 133 90	−42.492 942 22	6.70	−35.84	−77.95	0.86	0.63	0.99	1.16	0.75	− 6	− 2	−10	+35	+16	+11	+17	+25	+ 7	+14	0	2.30
78693	16 03 50.51	+08 13 47.3	7.86	G	240.960 478 92	+08.229 795 09	8.41	−29.44	11.98	0.94	0.89	1.20	1.18	1.34	−39	−11	−39	+41	−31	+16	−23	+39	−29	−58	0	−0.01
78694	16 03 52.72	−50 50 24.1	7.87	H	240.969 654 02	−50.840 029 68	1.96	−2.79	−5.29	0.92	0.67	1.12	0.99	0.88	+ 8	−29	−28	+25	+ 0	−12	+ 1	+40	−15	− 4	0	0.44
78695	16 03 52.89	+03 43 38.0	8.16	2 H	240.970 363 90	+03.727 234 90	3.60	−7.06	−3.04	1.03	0.71	1.20	1.08	1.05	−37	−47	+20	+26	−18	−18	+14	+32	+ 1	−29	2	0.64
78696	16 03 53.25	−27 40 30.6	11.00	H	240.971 886 16	−27.675 153 52	13.85	−164.18	−77.44	26.81	18.29	34.73	30.03	30.06	−37	−29	−14	− 9	− 5	+20	+13	+25	−47	−48	2	
78697	16 03 53.67	−50 56 33.9	8.49	H	240.973 620 54	−50.942 748 42	18.44	−96.23	12.81	0.99	0.75	1.28	1.05	0.96	− 1	−33	−19	+22	+ 0	−10	+ 6	+41	−24	− 6	2	−0.37
78698	16 03 53.72	−58 06 59.0	8.45	H	240.973 829 72	−58.116 379 10	8.43	−22.30	−47.53	0.75	0.82	1.18	0.93	1.03	+ 0	−10	−29	+35	+20	−31	+19	+57	−12	− 8	0	0.52
78699	16 03 54.71	−24 43 34.8	6.22	H	240.977 940 97	−24.726 326 78	5.46	−4.22	5.95	0.73	0.56	0.82	0.76	0.71	−24	−28	−12	− 3	− 4	+ 0	+ 3	+15	− 8	−49	3	3.13
78700	16 03 55.11	+31 02 34.9	9.42	H	240.979 644 95	+31.043 039 28	17.45	−121.91	0.16	0.82	0.93	1.30	0.93	1.14	+10	−11	− 1	+20	+ 3	− 5	+ 2	+10	+ 7	− 1	2	−0.89

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″		ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65		66	67	68-70
78601	8.438	0.009	7.850	0.008		0.550	0.009	T	0.62	0.01	L	7.9022	0.0014	0.011	119		7.88	7.92		C			1								S
78602	7.223	0.009	7.030	0.010	*	0.177	0.013	T	0.19	0.01	L *	7.0916	0.0011	0.007	53	*	7.07	7.11		D	16029−2501	I 1	2 C	A	AB	346	4.526	0.007	2.40	0.04	S
78603	6.220	0.003	6.238	0.004		−0.015	0.004	T	0.01	0.00	L	6.2498	0.0007	0.008	125		6.24	6.26		C			1								S
78604	8.364	0.014	8.313	0.018		0.036	0.003	G	0.05	0.00	H	8.3513	0.0017	0.015	114		8.33	8.38		C			1								
78605	10.682	0.048	10.110	0.046		0.535	0.059	T	0.61	0.06	L	10.0809	0.0037	0.026	83		10.02	10.12		C			1								G
78606	10.169	0.027	9.180	0.018		0.866	0.024	T	0.88	0.02	L	9.2219	0.0021	0.023	116		9.18	9.25					1								
78607	7.455	0.006	7.374	0.007		0.073	0.008	T	0.08	0.01	L	7.3872	0.0010	0.009	102		7.37	7.40		C			1								S
78608	9.730	0.016	8.550	0.010		1.011	0.015	T	0.99	0.01	L	8.6068	0.0017	0.021	188		8.57	8.64					1								
78609	9.781	0.019	8.882	0.015	A	0.802	0.133	G	0.84	0.03	L *	8.9058	0.0014	0.014	118	*	8.88	8.94		D	16030−3210	I 1	2 C	A	AB	131	5.904	0.038	3.05	0.11	
78610	8.431	0.011	8.063	0.011		0.344	0.015	G	0.40	0.02	H	8.1174	0.0017	0.014	84		8.09	8.15		C			1								S
78611	8.058	0.010	7.901	0.011		0.151	0.014	T	0.17	0.01	L	7.9340	0.0018	0.015	101		7.91	7.96					1								S
78612	9.909	0.023	8.718	0.015		1.020	0.021	T	0.99	0.02	L	8.7620	0.0011	0.013	110		8.73	8.80					1								
78613	9.590	0.025	8.221	0.014		1.159	0.022	T	1.12	0.02	L	8.2622	0.0018	0.013	74		8.24	8.28		C			1								S
78614	9.484	0.021	8.805	0.018		0.628	0.023	T	0.70	0.02	L	8.8791	0.0026	0.019	66		8.85	8.92					1								S
78615	7.586	0.007	7.168	0.006		0.427	0.006	G	0.49	0.01	H	7.2136	0.0008	0.007	109		7.20	7.23		C	16030−0803	I 1	1								S
78616	9.885	0.025	8.696	0.016		1.018	0.023	T	1.06	0.03	L	8.7041	0.0023	0.016	84		8.68	8.75		C			1								
78617	10.439	0.030	8.565	0.012		1.557	0.026	T	1.57	0.03	L	8.4440	0.0031	0.024	110		8.41	8.48		U 2			1								
78618						1.557	0.317	G	1.62	0.35	K	11.9062	0.0083	0.052	88		11.79	12.05					1								G
78619	9.896	0.021	8.526	0.012		1.160	0.019	T	1.12	0.02	L	8.5700	0.0021	0.020	133		8.54	8.61					1								
78620	11.111	0.056	10.263	0.043		0.698	0.003	G	0.75	0.00	H	10.3394	0.0022	0.020	96		10.29	10.38		C			1								G
78621	8.337	0.016	7.917	0.015	*	0.397	0.020	T	0.46	0.02	L *	8.0519	0.0027	0.015	55	*	8.03	8.10		D	16030+1359	I 1	2 C	A	AB	227	2.564	0.011	0.77	0.02	S
78622	11.194	0.086	10.122	0.052		0.928	0.076	T	0.92	0.06	L	10.1956	0.0042	0.030	57		10.13	10.24					1	S							G
78623	9.483	0.017	8.330	0.011		0.990	0.016	T	0.97	0.01	L	8.3798	0.0013	0.011	92		8.36	8.40					1								
78624	8.731	0.011	7.121	0.006		1.348	0.010	T	1.31	0.01	L	7.1226	0.0015	0.012	99		7.11	7.14		C			1								S
78625	9.070	0.015	8.784	0.017		0.272	0.021	T	0.31	0.03	L	8.8519	0.0027	0.020	96		8.82	8.89					1								S
78627	10.324	0.034	9.290	0.022		0.900	0.015	G	0.90	0.01	H	9.3334	0.0018	0.016	93		9.31	9.37		C			1								
78628	7.618	0.009	7.341	0.008		0.264	0.011	T	0.30	0.01	L	7.3857	0.0021	0.010	59		7.37	7.40		C			1								S
78629	9.654	0.017	9.196	0.017		0.445	0.019	T	0.51	0.02	L	9.2556	0.0024	0.027	173		9.21	9.31					1								
78630	10.615	0.043	9.780	0.032		0.730	0.015	G	0.78	0.01	H	9.8951	0.0031	0.023	96		9.86	9.94		C			1								
78631	11.324	0.072	9.873	0.032		1.223	0.062	T	1.18	0.06	L	9.8720	0.0029	0.022	93		9.83	9.91		C			1								G
78632	8.275	0.013	6.378	0.004		1.576	0.007	G	1.87	0.05	F	6.2837	0.0022	0.018	85		6.27	6.31		U 2			1								S
78633	10.172	0.028	9.612	0.028		0.518	0.015	G	0.59	0.02	H	9.7346	0.0017	0.018	92		9.69	9.76					1								
78634	9.393	0.016	8.918	0.015		0.447	0.020	T	0.52	0.02	L	8.9628	0.0018	0.016	107		8.92	9.01					1								S
78635	8.592	0.014	8.443	0.017		0.163	0.015	G	0.18	0.01	H	8.4871	0.0023	0.014	57		8.46	8.51					1								
78636	10.548	0.051	9.853	0.043		0.710	0.020	G	0.76	0.02	H	9.8604	0.0050	0.024	60		9.82	9.90					1								
78637	9.536	0.027	8.722	0.016	*	0.735	0.024	T	0.78	0.02	L *	9.1434	0.0019	0.025	189	*	9.09	9.19		D	16032+2851	I 1	2 C	A	AB	278	1.842	0.003	0.83	0.02	
78638	9.281	0.013	8.898	0.014		0.363	0.018	T	0.42	0.02	L	8.9517	0.0019	0.023	132		8.91	8.99		C			1								
78639	5.818	0.003	4.745	0.002		0.902	0.040	G	0.91	0.02	A	4.8061	0.0005	0.006	96		4.80	4.82		C			1								S
78640	10.450	0.033	9.864	0.031		0.481	0.026	G	0.55	0.03	H	9.9732	0.0028	0.027	115		9.92	10.02					1								
78641	8.306	0.008	8.073	0.009		0.222	0.011	T	0.24	0.01	L	8.1230	0.0015	0.011	116		8.10	8.14		C			1								S
78642	8.262	0.008	8.351	0.010		−0.076	0.012	T	−0.06	0.01	L	8.3674	0.0015	0.015	140		8.33	8.40					1								S
78643	8.055	0.012	8.024	0.015		0.028	0.007	G	0.04	0.01	H	8.0691	0.0014	0.014	120		8.05	8.09					1								
78644	10.522	0.041	9.443	0.027		0.934	0.037	T	0.93	0.03	L	9.4689	0.0015	0.018	72		9.43	9.49		D			1								
78645	9.165	0.013	8.975	0.016		0.174	0.020	T	0.19	0.02	L	8.9952	0.0012	0.015	136		8.96	9.03		C			1								
78646	9.502	0.017	8.048	0.010		1.220	0.015	G	1.18	0.01	H	8.1036	0.0014	0.013	106		8.08	8.13		C			1								S
78647	7.547	0.009	7.018	0.008		0.505	0.009	T	0.58	0.01	L	7.0728	0.0007	0.007	55		7.06	7.08		D			1								S
78648	10.085	0.039	9.379	0.032		0.650	0.041	T	0.71	0.04	L	9.5080	0.0036	0.022	56		9.46	9.55		C			1								
78649	6.510	0.004	5.873	0.003		0.586	0.004	T	0.66	0.00	L	5.9168	0.0007	0.008	115		5.90	5.93					1								S
78650	6.569	0.005	5.105	0.004		1.234	0.001	G	1.25	0.04	E	5.1173	0.0007	0.005	55		5.11	5.13		C			1								S
78651	9.877	0.024	8.648	0.014		1.050	0.022	T	1.02	0.02	L	8.6959	0.0019	0.021	115		8.65	8.73					1								S
78652	9.876	0.024	9.081	0.019		0.705	0.023	T	0.76	0.02	L	9.1205	0.0018	0.016	95		9.10	9.15		C			1								
78653	8.455	0.011	7.889	0.011		0.533	0.008	G	0.62	0.02	A	7.9605	0.0018	0.017	114		7.93	7.99			16034−6322	I 1	1								S
78654	7.859	0.006	7.681	0.007		0.171	0.009	T	0.19	0.01	L	7.7246	0.0011	0.014	165		7.70	7.75		D			1								S
78655	4.714	0.002	4.866	0.002		−0.146	0.043	G	−0.15	0.02	A	4.8481	0.0005	0.004	85		4.84	4.86		C			1								S
78656	10.226	0.028	9.504	0.023		0.663	0.029	T	0.72	0.02	L	9.5595	0.0022	0.023	117		9.51	9.60					1								
78657	11.746	0.090	9.928	0.028		1.544	0.078	T	1.72	0.17	K	9.8386	0.0021	0.029	133		9.79	9.89					1								
78658	8.839	0.012	8.606	0.014	A	0.500	0.495	G	0.17	0.04	L *	8.5590	0.0017	0.015	103	*	8.53	8.58		D	16035+6121	I 1	2 C	A	AB	306	2.192	0.011	2.47	0.04	S
78659	8.399	0.012	8.328	0.014		0.051	0.010	G	0.06	0.01	H	8.4115	0.0026	0.023	121		8.38	8.47		U 2			1								
78660	12.707	0.372	10.772	0.103		2.100	0.495	G	2.09	0.51	J	10.9172	0.0050	0.038	85		10.84	10.97					1								G
78661	5.788	0.003	5.731	0.003		0.051	0.004	T	0.06	0.00	L	5.7545	0.0005	0.005	101		5.75	5.76		C			1								S
78662	4.942	0.002	4.688	0.003	*	0.252	0.011	G	0.30	0.02	A *	4.6904	0.0008	0.007	92	*	4.68	4.71		D	16035−5747	I 1	2 C	C	AB	98	0.191	0.008	0.56	0.22	S
78663	9.486	0.016	8.977	0.016		0.496	0.020	G	0.57	0.02	H	9.0162	0.0014	0.013	117		8.99	9.04					1								
78664	9.619	0.025	8.367	0.016		1.068	0.023	T	1.03	0.02	L	8.4175	0.0018	0.011	53		8.40	8.45		C			1								
78665	6.552	0.004	6.051	0.004		0.470	0.006	G	0.54	0.01	H	6.1078	0.0007	0.006	116		6.10	6.12		C			1								S
78666	10.419	0.030	8.965	0.015		1.226	0.026	T	1.18	0.03	L	8.9877	0.0019	0.025	159		8.95	9.03					1								
78667	9.622	0.019	9.216	0.020		0.384	0.026	T	0.45	0.03	L	9.2747	0.0023	0.021	104		9.24	9.31					1								
78668	9.844	0.025	8.547	0.015		1.103	0.023	T	1.07	0.02	L	8.5731	0.0025	0.022	137		8.54	8.61					1								
78669	10.429	0.035	8.794	0.016		1.368	0.030	T	1.34	0.04	L	8.7697	0.0010	0.011	89		8.75	8.79		D			1								
78670	12.549	0.153	10.618	0.041		1.564	0.082	G	1.69	0.17	K	10.5870	0.0026	0.042	249		10.52	10.66		C			1								G
78671	10.920	0.038	10.067	0.028		0.765	0.036	T	0.80	0.03	L	10.1674	0.0031	0.041	179		10.08	10.23					1	S							
78672	8.808	0.014	7.263	0.008	A	1.297	0.013	T	1.26	0.01	L	7.2838	0.0070	0.014	69	A	7.27	7.31			16037+1126	I 1	2 C	A	AB	170	14.192	0.027	3.37	0.15	S
78673	9.512	0.011	9.152	0.011		0.341	0.014	T	0.40	0.02	L	9.2298	0.0016	0.023	251		9.19	9.29					1								
78674	8.073	0.007	7.587	0.008		0.480	0.009	G	0.55	0.01	H	7.6424	0.0009	0.011	127		7.62	7.66					1								S
78675	8.925	0.011	7.570	0.006		1.148	0.010	T	1.11	0.01	L	7.6126	0.0011	0.012	166		7.60	7.64					1								
78676	8.077	0.009	6.924	0.006		0.990	0.008	T	0.97	0.01	L	6.9718	0.0008	0.007	91		6.95	6.98		C			1								S
78677	9.845	0.019	9.375	0.019		0.456	0.021	T	0.53	0.02	L	9.4622	0.0018	0.026	123		9.42	9.51					1								
78678	11.839	0.106	10.460	0.048		1.250	0.015	G	1.41	0.03	I	10.4730	0.0034	0.028	116		10.41	10.52					1								
78679	8.598	0.011	8.126	0.010		0.471	0.015	G	0.54	0.02	H	8.1724	0.0017	0.016	126		8.15	8.20		C			1	G							S
78680	9.007	0.013	8.291	0.011		0.658	0.014	T	0.72	0.01	L	8.3457	0.0017	0.016	148		8.32	8.38					1								S
78681	9.648	0.031	8.409	0.019		1.080	0.015	G	1.04	0.01	H	8.4621	0.0027	0.015	61		8.44	8.48		C			1								
78682	7.095	0.010	7.100	0.015		−0.046	0.010	G	−0.02	0.01	H	7.1171	0.0108	0.119	122		6.86	7.25		U 2	16037−6030	I 2	1								S
78683	8.118	0.014	8.075	0.017		0.043	0.014	G	0.06	0.01	H	8.1343	0.0016	0.013	121		8.11	8.16		C	16037−6030	I 2	1								
78684	10.805	0.043	9.762	0.028	*	0.896	0.040	T	0.90	0.03	L *	9.8409	0.0052	0.043	96	*	9.77	9.91		R	16038−4356	I 1	2 C	A	AS	152	0.290	0.007	0.34	0.08	G
78685	7.290	0.006	6.176	0.005		0.960	0.015	G	0.95	0.07	F	6.2385	0.0008	0.005	79		6.23	6.25		C	16038+0459	I 1	1								S
78686	10.484	0.033	9.355	0.021		0.972	0.030	T	0.96	0.02	L	9.4404	0.0026	0.021	109		9.41	9.48		C			1								
78687	10.053	0.040	9.311	0.034		0.692	0.015	G	0.75	0.01	H	9.3574	0.0022	0.016	55		9.33	9.38		C			1								
78688	10.302	0.040	9.170	0.025	*	0.974	0.037	T	0.96	0.03	L *	9.2695	0.0031	0.016	52	*	9.23	9.31		D	16038+1406	H 1	2 C	A	AB	352	0.562	0.025	2.89	0.15	
78689	10.105	0.026	10.120	0.041		−0.064	0.009	G	−0.04	0.01	H	10.0279	0.0068	0.049	105		9.93	10.10		U 2			1								G
78690	8.318	0.010	6.892	0.005		1.204	0.009	T	1.16	0.01	L	6.9163	0.0010	0.009	98		6.90	6.93		C			1								S
78691	9.217	0.015	7.878	0.009		1.136	0.014	T	1.10	0.01	L	7.9432	0.0012	0.012	103		7.93	7.96					1								S
78692	8.834	0.012	8.346	0.012		0.456	0.015	G	0.53	0.02	H	8.4181	0.0017	0.013	87		8.39	8.44					1								
78693	8.274	0.012	7.897	0.012		0.344	0.015	G	0.40	0.02	H	7.9501	0.0013	0.011	65		7.93	7.97		C			1								S
78694	8.019	0.010	7.896	0.011		0.119	0.014	T	0.13	0.01	L	7.9169	0.0015	0.013	94		7.90	7.94		C			1								S
78695	10.348	0.034	8.393	0.013		1.657	0.030	T	2.43	0.06	O	8.1949	0.0030	0.026	75		8.14	8.22		U 2			1								
78696											T	11.1589	0.0058	0.043	89		11.07	11.22					1	X							G G
78697	9.164	0.015	8.543	0.013		0.578	0.017	T	0.65	0.02	L	8.6127	0.0018	0.014	93		8.59	8.64		C			1								
78698	9.054	0.016	8.525	0.015		0.505	0.016	T	0.58	0.02	L	8.5602	0.0017	0.015	109		8.53	8.59		C			1								
78699	8.048	0.013	6.380	0.006		1.386	0.006	G	1.36	0.01	H	6.3673	0.0011	0.006	60		6.35	6.38		C			1								S
78700	10.396	0.029	9.522	0.021		0.765	0.028	T	0.80	0.03	L	9.5563	0.0028	0.032	161		9.51	9.61					1								

Number HIP 1 2	Descriptor: epoch J1991.25 RA h m s 3	Dec ±° ′ ″ 4	V mag 5	6 7	Position: epoch J1991.25 α (ICRS) deg 8	δ deg 9	10	Par. π mas 11	Proper Motion $\mu_{\alpha*}$ mas/yr 12	μ_δ 13	Standard Errors α* mas 14	δ 15	π mas 16	$\mu_{\alpha*}$ mas/yr 17	μ_δ 18	Astrometric Correlations (%) 19	20	21	22	23	24	25	26	27	28	Soln F1 % 29	F2 30
78701	16 03 59.15	+71 07 11.7	8.28	H	240.996 445 89	+71.119 909 50		3.89	−35.04	22.19	0.65	0.65	0.67	0.82	0.75	− 9	+13	− 6	+ 5	−10	− 5	− 8	+27	− 7	−24	3	2.68
78702	16 04 00.24	−19 46 02.7	7.79	H	241.001 018 67	−19.767 426 42		4.14	−11.95	−20.11	1.00	0.69	1.14	1.29	0.85	+ 4	−12	−27	+34	− 2	+42	+13	+36	−23	−12	0	0.62
78703	16 04 00.39	+73 08 53.3	6.85	H	241.001 631 96	+73.148 149 81		18.65	−51.72	91.09	0.53	0.53	0.58	0.54	0.63	+11	−31	−30	− 7	−15	+ 8	−15	− 2	+ 3	− 3	1	2.18
78704	16 04 00.75	−19 06 15.3	9.14	H	241.003 105 04	−19.104 236 83		15.28	1.65	−67.27	1.33	0.87	1.47	1.61	1.14	+ 9	−27	−20	+13	+ 4	+17	+16	+16	−30	+ 1	0	0.94
78705	16 04 02.14	+09 59 41.0	8.53	2 H	241.008 912 34	+09.994 728 82		1.92	−2.48	3.11	1.04	0.93	1.33	1.63	1.18	−21	+ 8	−24	+16	− 1	+13	+ 7	−18	− 9	− 5	5	2.33
78706	16 04 02.18	−47 28 33.9	9.34	1 H	241.009 091 83	−47.476 082 27		2.16	−0.34	−2.17	1.13	0.87	1.43	1.41	1.25	+13	−29	−37	+21	− 4	+ 7	+ 7	+39	−31	+ 4	0	0.30
78707	16 04 02.42	−43 16 52.8	8.77	2 H	241.010 067 78	−43.281 328 32		6.41	−42.91	−55.63	1.06	0.72	1.29	0.99	0.87	− 5	−43	−20	+ 9	−13	−16	− 7	+31	−11	−30	0	−0.34
78708	16 04 03.02	−21 55 38.9	8.64	2 G	241.012 578 70	−21.927 477 86	A	23.73	−293.61	−140.04	2.21	1.42	2.10	2.31	1.56	+30	−18	−25	+13	+16	+21	+22	+12	+ 6	+21	1	−0.27
78709	16 04 04.03	+25 15 11.3	7.10	G	241.016 785 36	+25.253 150 03		46.56	−488.79	696.64	0.46	0.61	0.89	0.58	0.73	+ 8	−14	−14	− 4	− 4	+20	− 8	+ 8	+11	+13	1	2.43
78710	16 04 06.20	−59 10 34.2	6.40	H	241.025 841 41	−59.176 172 37		1.26	−4.71	−4.14	0.57	0.52	0.72	0.63	0.66	+ 7	−23	−11	+56	+20	−13	+26	+62	−23	+ 2	1	0.59
78711	16 04 07.14	−35 10 36.3	9.30	H	241.029 731 07	−35.176 750 36		11.04	−22.33	−40.51	1.25	0.69	1.49	1.87	1.19	+ 7	+ 6	−18	+14	+23	− 8	+25	+32	− 9	+ 3	2	0.55
78712 H	16 04 08.02	−41 42 39.5	8.22	G	241.033 404 77	−41.710 972 55	A	3.43	5.26	−5.28	1.80	1.28	1.51	1.53	1.30	+ 3	+10	− 6	− 8	+14	−13	+ 2	+13	−14	− 5	3	0.30
78713	16 04 08.26	+10 00 22.7	8.02	G	241.034 417 55	+10.006 308 05		4.27	−4.49	−2.43	0.89	0.75	1.08	1.35	1.26	−26	+ 2	−12	+19	+ 5	+ 2	+ 3	−14	+ 6	−33	0	1.70
78714 H	16 04 08.98	−32 26 57.8	9.49	H	241.037 422 28	−32.449 383 28	A	18.52	−85.28	−9.31	15.32	16.45	7.60	23.25	25.69	−70	+ 2	−13	+33	−51	−15	−43	+67	+ 6	−84	8	2.61
∗78715	16 04 09.80	−09 55 10.8	7.40	H	241.040 833 21	−09.919 669 03		4.08	1.29	−23.13	1.04	0.64	0.98	1.23	1.13	−14	−24	+ 5	+54	−11	− 6	−10	+58	+26	−25	0	0.64
∗78716	16 04 09.77	−37 18 26.5	7.86	G	241.040 713 80	−37.307 359 14		25.24	−330.29	−19.39	0.82	0.56	0.99	0.94	0.84	−16	−33	−10	+12	−12	+ 3	− 3	+42	−13	−29	0	−0.58
78717	16 04 10.18	+06 03 11.5	7.88	H	241.042 408 90	+06.053 182 09		5.25	−11.99	−40.00	0.92	0.76	1.07	1.12	0.96	−24	−26	−18	+34	−11	+19	− 4	+33	−11	−27	0	−1.15
78718	16 04 11.29	+08 08 15.2	7.68	H	241.047 031 14	+08.137 565 12		4.15	−12.68	2.62	0.97	0.82	1.25	1.26	1.23	−31	−15	−32	+29	−21	+ 7	−16	+28	−29	−43	0	0.49
78719	16 04 11.93	+17 06 02.2	9.54	H	241.049 700 40	+17.100 612 41		3.49	−18.89	11.58	1.27	0.96	1.44	1.36	1.09	+13	−33	−14	+55	− 6	− 5	− 5	+51	− 4	+18	0	1.45
78720	16 04 12.72	+02 46 49.4	8.74	H	241.052 987 53	+02.780 392 90		2.76	−6.90	6.63	1.10	0.85	1.31	1.55	1.37	−42	−24	+12	+25	−23	−23	−23	+25	+ 3	−38	2	0.76
78721	16 04 13.41	+50 29 57.0	8.70	3 H	241.055 879 86	+50.499 163 67		−0.74	−3.54	0.37	0.66	0.67	0.75	0.73	0.75	+ 8	− 9	+ 2	− 8	− 9	+ 9	− 6	+12	− 8	− 3	0	2.03
78722	16 04 13.50	+34 10 43.5	6.78	H	241.056 265 52	+34.178 757 91		6.96	−28.16	13.63	0.45	0.53	0.67	0.48	0.56	+ 5	− 6	+11	− 6	−12	− 8	−11	−14	−10	+ 1	0	2.17
78723	16 04 15.65	+75 47 11.3	7.89	1 H	241.065 220 71	+75.786 473 26		0.53	0.49	−37.02	0.53	0.56	0.58	0.68	0.71	+16	−22	−19	+ 3	− 3	+ 7	− 1	+12	− 5	+17	1	0.23
78724	16 04 15.88	+07 22 27.6	8.18	H	241.066 181 46	+07.374 343 33		8.96	−41.40	−45.15	1.22	1.10	1.33	1.80	2.17	−46	−22	−13	+54	−36	−11	−35	+48	− 2	−70	0	0.80
78725 H	16 04 17.05	−03 13 07.9	10.23	H	241.071 057 16	−03.218 852 14	A	4.50	−0.92	−9.90	7.00	6.26	5.83	8.22	9.06	−42	−23	− 3	+33	−28	−12	−28	+42	+10	−52	2	2.10
78726	16 04 17.84	−33 12 49.1	6.10	G	241.074 328 93	−33.213 635 41		8.14	−29.40	−34.06	0.67	0.43	0.86	0.83	0.76	−25	−24	− 9	− 3	− 8	−26	+ 2	+26	+ 9	−60	0	1.14
∗78727	16 04 21.63	−11 22 24.8	4.16	G																							
∗78728	16 04 19.63	+06 00 40.9	7.14	H	241.081 791 85	+06.011 359 27		6.26	20.76	−34.35	0.89	0.66	1.01	0.98	0.88	−21	−42	− 5	+34	− 3	+ 4	+ 0	+27	− 5	−27	0	−1.46
∗78729 H	16 04 19.62	+32 29 50.6	7.90	H	241.081 757 94	+32.497 378 58	A	6.08	29.54	−56.40	2.03	2.74	1.70	1.16	1.67	−33	+16	+ 2	− 4	− 4	+ 0	+ 1	+20	−13	−25	1	1.24
∗78730	16 04 19.82	−53 09 36.6	8.40	H	241.082 591 04	−53.160 161 05		1.15	3.70	6.71	0.86	0.72	1.11	1.02	0.91	+ 5	−29	−14	+19	+13	− 8	+11	+37	− 8	+15	0	−0.25
∗78731	16 04 21.32	−53 42 37.2	6.46	H	241.088 851 85	−53.710 333 27		3.11	−3.09	−17.21	0.57	0.47	0.71	0.66	0.59	+ 2	−23	−19	+ 9	+ 9	+ 1	+11	+25	− 8	+ 8	0	−0.34
78732	16 04 22.59	+67 47 32.0	9.27	H	241.094 121 37	+67.792 220 34		3.08	−27.10	21.12	0.75	0.84	0.85	0.87	0.98	+ 0	− 4	− 9	− 5	+ 5	−11	+ 4	+ 9	−19	+ 9	0	1.30
78733	16 04 23.31	−08 41 10.8	9.36	G	241.097 142 87	−08.686 322 30		5.76	−12.29	3.14	1.51	0.79	1.62	1.95	1.57	−26	−13	+ 8	+ 8	+ 4	+ 5	+10	+23	+12	−28	0	0.60
78734	16 04 23.32	−33 03 39.1	10.08	G	241.097 180 41	−33.060 868 64		43.00	−236.20	−67.87	1.57	1.32	1.95	2.20	1.63	−45	− 8	−30	−31	+36	−18	+22	−21	+20	−55	0	2.07
78735	16 04 24.97	+13 24 55.1	9.44	H	241.104 050 98	+13.415 303 86		1.58	−14.85	3.29	1.57	1.02	1.64	2.12	1.61	− 7	−34	− 5	+23	−15	−16	− 9	+28	−20	− 5	0	1.74
78736	16 04 25.42	−11 51 26.1	7.54	H	241.105 935 30	−11.857 261 79		4.23	−17.87	−7.57	1.07	0.76	1.12	1.20	0.94	+ 0	−29	−18	+23	− 3	+13	+ 1	+32	− 4	− 8	0	1.42
78737 H	16 04 25.45	+36 24 55.3	9.86	H	241.106 061 55	+36.415 360 84	A	5.34	3.45	10.23	2.60	9.98	1.60	1.42	1.64	+15	+ 3	+ 1	−12	− 3	+ 3	− 6	− 8	−13	− 5	1	0.12
78738	16 04 25.96	−11 26 57.6	7.44	G	241.108 178 96	−11.449 329 56	D	35.25	−69.17	−20.93	3.21	2.41	2.56	4.31	3.67	+ 0	−13	− 6	+24	+ 7	+ 9	+12	+21	+ 0	+ 6	19	0.30
78739	16 04 26.75	−11 26 59.4	8.02	G	241.111 464 71	−11.449 824 93	E	30.89	−58.04	−23.37	12.93	9.04	6.86	10.43	7.47	− 6	−17	− 1	+18	+12	+ 2	+15	+ 8	+ 3	+ 8	19	0.30
78740	16 04 28.84	−50 56 06.2	9.69	H	241.120 168 89	−50.935 051 59		0.50	10.55	−0.03	1.52	1.07	1.90	1.64	1.37	+14	−24	−21	+22	+10	− 9	+14	+40	−17	+ 8	4	1.10
78741	16 04 29.27	+41 02 22.1	9.56	H	241.121 962 62	+41.039 461 15		−0.05	−0.70	−10.61	0.88	0.88	1.10	0.95	1.00	+ 0	− 5	− 4	−17	− 7	+ 0	− 5	− 3	+ 0	−20	0	−0.33
78742	16 04 29.59	+00 40 20.7	6.81	H	241.123 285 23	+00.672 421 04		19.25	4.89	−82.66	0.70	0.55	0.90	0.93	1.09	−41	− 6	−13	+28	+ 2	− 5	+ 4	+ 3	+39	−55	0	0.52
78743	16 04 30.56	−28 55 51.7	7.51	2 H	241.127 344 82	−28.931 038 88		1.57	2.79	−3.79	0.83	0.58	1.01	0.93	0.88	−33	−21	−11	+15	− 2	+18	+12	+34	−40	−36	2	1.34
78744	16 04 31.35	+07 39 24.8	8.36	H	241.130 613 25	+07.656 882 66		2.54	−14.52	11.75	1.03	0.85	1.45	1.45	1.45	−32	−28	−29	+22	−16	+18	− 2	+19	−25	−45	0	−0.70
78745	16 04 35.34	+51 27 50.9	9.73	H	241.147 256 99	+51.464 139 93		2.40	−7.63	−11.47	0.89	0.98	1.05	1.07	1.17	+17	− 5	−21	+12	−11	+20	− 8	+ 5	+ 2	+ 4	3	−0.44
78746	16 04 36.14	−24 06 00.5	9.12	3 H	241.150 591 65	−24.100 133 17		2.40	−12.29	−20.76	3.46	2.45	3.95	3.46	3.09	− 2	−11	−28	−12	−16	− 1	−11	+19	−29	−24	0	
78747	16 04 36.91	−37 51 45.6	5.91	H	241.153 796 32	−37.862 668 25		25.10	−128.48	−116.19	0.59	0.46	0.71	0.62	0.60	−26	−34	−16	+16	−24	+ 5	−11	+48	−15	−49	0	0.62
78748	16 04 37.96	+78 40 39.2	8.87	H	241.158 179 60	+78.677 547 45		2.99	−4.56	−6.99	0.74	0.67	0.79	0.70	0.79	+ 0	−38	−12	− 6	− 6	+ 2	+ 8	+28	−26	−17	0	0.13
78749 H	16 04 38.37	−43 20 24.1	9.04	2 H	241.159 895 69	−43.340 016 59	A	4.52	−17.16	−16.23	2.15	1.47	2.28	2.23	1.55	+ 5	− 4	− 6	+22	+ 4	−23	+ 3	+17	−13	+15	1	0.55
78750	16 04 39.60	+37 19 26.4	10.58	H	241.165 004 42	+37.324 003 06		2.91	1.78	−11.93	1.04	1.14	1.49	1.24	1.31	+ 4	− 6	+ 3	− 4	− 6	+25	− 7	− 2	− 1	− 9	1	0.30
78751	16 04 41.30	+32 09 29.7	9.39	H	241.172 064 08	+32.158 245 14		5.14	−9.60	6.89	0.87	1.02	1.30	0.99	1.32	+ 5	−17	+ 3	+21	− 2	− 1	+ 7	+37	−18	−21	0	0.80
78752	16 04 41.50	−01 09 36.3	7.28	G	241.172 910 09	−01.160 080 16		15.30	−145.36	−27.74	1.05	0.69	1.29	1.61	1.59	−31	−37	+14	+51	−24	−51	−31	+49	+55	−58	0	−0.96
78753	16 04 42.20	−14 54 36.7	8.77	H	241.175 818 03	−14.910 191 79		2.63	−10.49	3.89	1.08	0.84	1.21	1.29	0.99	−15	−22	− 9	− 1	− 3	− 4	+ 3	+ 0	−27	+ 0	0	−0.07
78754	16 04 42.33	−37 48 57.9	7.08	H	241.176 388 47	−37.816 070 38		6.86	−11.41	−25.17	0.68	0.56	0.89	0.76	0.68	−28	−35	− 4	+12	−18	+19	−11	+42	− 7	−31	0	0.25
78755	16 04 43.67	−16 53 03.9	9.34	H	241.181 966 63	−16.884 403 24		2.79	7.76	−16.18	1.32	0.99	1.43	1.38	1.13	−20	−33	−18	+31	− 6	+13	+ 3	+28	−21	−33	0	−0.64
78756	16 04 44.50	−39 26 04.5	6.95	1 H	241.185 421 99	−39.434 596 97		5.97	−17.97	−24.48	0.78	0.65	0.95	1.11	0.90	−33	+ 3	−35	+29	−19	+ 8	−11	+49	− 5	−52	2	1.25
78757 H	16 04 47.40	−69 01 36.5	10.47	2 G	241.197 490 41	−69.026 792 82	∗	−3.28	6.01	1.35	2.09	2.42	2.89	1.34	2.35	− 3	−13	− 9	− 3	+10	− 8	+ 7	+22	−12	+41	0	1.66
78758	16 04 47.96	−48 39 03.0	9.94	2 H	241.199 812 98	−48.650 832 70		9.84	−44.45	−35.41	1.48	1.08	1.91	1.61	1.48	+ 7	−27	−10	−16	−10	− 5	− 4	+ 9	−21	− 5	4	−1.61
120121	16 04 48.15	−35 52 10.1	11.93	G	241.200 644 37	−35.869 476 02		10.05	88.70	181.62	2.92	1.67	3.64	3.53	2.74	+ 8	−15	−27	− 4	−10	− 8	− 2	+42	−23	−14	5	0.05
78759	16 04 48.43	+25 14 12.7	9.44	H	241.201 809 48	+25.236 857 18	A	5.86	−10.49	0.03	3.73	4.33	3.63	2.55	3.06	+21	− 7	−19	+ 5	+ 4	+ 5	+ 5	+ 1	+13	+21	2	0.82
78760	16 04 48.71	+25 14 40.0	9.54	2 H	241.202 958 22	+25.244 453 89	B	7.51	−6.06	−5.44	2.37	2.64	3.35	2.47	2.87	+22	−10	−23	+11	+ 6	− 1	+ 5	+ 3	+ 5	+17	2	0.82
78761 H	16 04 48.95	+70 15 42.0	6.85	H	241.203 950 78	+70.261 652 98	∗	7.04	5.91	26.43	0.69	1.03	0.59	0.57	0.66	+ 1	− 6	− 8	−22	+ 0	−17	− 1	− 4	− 7	− 8	2	−0.52
78762	16 04 48.98	+60 02 41.0	7.41	H	241.204 102 52	+60.044 725 67		2.91	−2.76	−3.74	0.52	0.54	0.59	0.50	0.54	+10	−14	+ 1	− 8	−11	+ 8	−11	− 4	+ 2	+ 1	4	1.11
78763	16 04 49.36	+09 38 41.9	7.78	H	241.205 670 37	+09.644 974 24		7.99	−0.76	6.69	0.89	0.71	1.12	1.11	1.05	−20	−22	−22	+28	+ 9	+ 4	+13	− 9	− 5	−26	0	0.37
78764	16 04 49.82	+20 27 44.6	10.34	H	241.207 597 56	+20.462 400 46		15.96	−10.74	8.72	4.13	4.35	5.79	4.48	5.70	− 6	−24	−21	−16	−35	+13	−26	+29	−10	−32	0	
78765	16 04 50.75	−40 44 15.5	7.83	H	241.211 467 22	−40.737 652 13		3.05	−5.42	−6.58	0.98	0.64	1.32	1.08	0.83	−13	+ 8	−37	−40	+ 9	−42	− 1	+15	−26	−20	0	−0.97
∗78766	16 04 51.27	−46 31 47.5	8.93	G	241.213 626 88	−46.529 850 14		6.77	−4.37	−21.29	0.92	0.77	1.17	1.05	0.99	−21	−12	−15	+15	−10	+ 3	− 6	+30	−24	−29	0	0.23
∗78767	16 04 51.27	−51 57 18.9	10.60	G	241.213 626 54	−51.955 250 67		−0.47	0.29	−11.02	1.96	1.40	2.26	2.55	1.84	+33	−28	−18	+42	+36	− 9	+34	+46	− 5	+44	0	1.56
∗78768	16 04 51.74	+40 45 02.5	8.99	1 H	241.215 594 02	+40.750 695 11		1.75	2.70	−31.68	0.80	0.81	1.04	0.97	0.92	+ 6	+ 0	−11	− 8	− 4	−12	− 5	− 7	+ 2	−16	2	2.37
∗78769	16 04 51.72	−20 18 25.7	9.06	H	241.215 490 25	−20.307 131 46		14.30	−37.07	−72.06	1.26	0.92	1.51	1.57	1.21	− 4	−30	−33	+ 5	−18	+14	− 3	+31	−33	−16	0	−1.17
78770	16 04 54.22	+16 01 18.8	8.65	H	241.225 937 45	+16.021 902 20		10.32	−55.09	−81.73	0.91	0.67	1.06	0.91	0.84	+ 4	−37	−17	+18	− 7	+ 0	− 5	+ 8	− 6	+ 0	0	−0.92
78771	16 04 55.23	−51 57 12.6	11.48	3 H	241.230 118 15	−51.953 507 95		−5.57	−13.61	−1.83	3.24	2.08	3.47	4.34	2.84	+26	−24	−14	+49	+19	+ 2	+21	+53	− 8	+12	8	2.83
78772	16 04 55.95	−65 51 32.6	7.67	H	241.233 121 92	−65.859 059 64		2.57	−5.42	−12.80	0.52	0.56	0.93	0.57	0.70	− 9	− 4	− 3	−51	− 3	− 1	+ 4	+ 3	− 1	−23	2	0.48
78773	16 04 56.99	+13 08 09.3	8.52	H	241.237 450 60	+13.135 918 01		2.79	−16.52	−25.73	1.15	0.90	1.34	1.55	1.38	−11	−37	− 7	+25	−16	−20	−12	+37	−12	−12	0	1.42
78774	16 04 57.09	−38 57 15.3	9.16	H	241.237 890 43	−38.954 246 80		6.21	−26.54	−46.60	1.20	0.90	1.53	1.40	1.26	−21	−21	−22	+20	−20	+ 2	−10	+53	−16	−41	0	1.45
78775	16 04 57.22	+39 09 23.0	6.66	G	241.238 428 90	+39.156 381 26		69.61	−571.24	52.59	0.44	0.46	0.57	0.48	0.49	+ 1	+ 1	+ 2	− 2	+ 3	+ 1	+ 2	−10	− 7	−11	0	−2.30
78776	16 04 57.32	−47 03 04.4	9.05	H	241.238 831 59	−47.051 216 32		2.68	0.47	−2.74	0.95	0.80	1.20	1.21	1.12	− 7	− 5	−25	+19	−10	+ 6	− 7	+32	−24	−14	0	−0.05
78777	16 04 57.39	+27 38 19.7	9.10	2 H	241.239 109 20	+27.638 804 53		0.20	5.74	0.51	0.59	0.77	1.17	0.60	0.91	+18	− 9	+17	−17	+21	+ 9	+20	+ 5	− 1	+37	3	1.11
78779	16 04 58.80	+10 56 54.0	8.31	H	241.245 017 76	+10.948 341 37		3.97	9.21	−13.23	0.90	0.71	1.04	1.24	0.96	−25	−23	− 1	+ 2	−12	−24	−14	+13	+ 1	−17	0	0.29
78780	16 05 00.48	−04 28 41.7	8.61	H	241.251 984 62	−04.478 255 85		7.48	16.31	−14.59	1.21	0.73	1.13	1.51	1.24	−40	−21	+ 7	+35	−20	+15	−29	+62	+ 4	−19	0	0.66
78781	16 05 01.13	−39 12 59.9	7.80	2 H	241.254 707 08	−39.216 642 43		3.34	−28.10	−40.99	0.89	0.78	1.04	1.15	1.06	−46	− 2	−28	+38	−36	+25	−26	+60	−27	−59	0	1.19
78782	16 05 01.36	−26 56 52.0	7.60	H	241.255 647 43	−26.947 773 40		7.88	4.16	−7.35	0.96	0.70	1.12	0.97	0.99	−50	−32	+ 3	+12	−21	− 7	−10	+41	−29	−44	0	0.12
78783	16 05 01.91	−83 46 37.6	8.55	H	241.257 966 88	−83.777 108 94		3.29	−16.19	−12.87	0.61	0.66	0.78	0.62	0.70	+ 6	−12	− 8	− 8	− 7	−17	− 9	− 3	+ 4	− 8	1	1.20
78784	16 05 02.48	+65 39 38.3	9.64	H	241.260 331 81	+65.660 641 14		17.93	−207.83	49.41	0.78	0.77	0.82	0.78	0.88	+ 9	−15	−16	−15	− 2	− 1	− 2	+ 4	− 2	+ 7	0	−0.57
78785	16 05 02.93	−18 32 21.8	6.74	G	241.262 218 71	−18.539 401 23		13.48	−49.45	−29.16	0.87	0.56	0.93	0.95	0.68	+18	−44	−28	− 1	− 5	+ 3	+ 4	+10	−18	+ 4	0	−1.18
78786	16 05 03.43	−07 24 54.2	11.83	H	241.264 297 70	−07.415 068 89		−2.19	3.01	2.04	5.26	3.03	5.71	4.86	4.38	−23	−48	− 6	+17	− 9	+ 9	+ 6	+36	−23	−30	4	0.06
78787	16 05 03.63	+26 47 48.7	9.47	H	241.265 126 73	+26.796 869 49		2.36	2.66	−11.99	0.84	0.97	1.57	0.97	1.27	+22	−19	+15	−19	+13	+29	+ 3	+13	+16	+45	0	0.44
78788	16 05 03.83	+33 26 50.3	10.20	H	241.265 964 36	+33.447 308 76		13.59	−150.78	54.49	1.06	1.27	1.54	1.41	1.62	+18	− 3	+12	+ 6	−10	−12	− 8	+ 0	−23	+10	2	2.23
78789	16 05 04.26	+33 09 08.6	7.83	H	241.267 753 15	+33.152 388 92		4.40	23.69	−3.89	0.57	0.64	0.90	0.71	0.86	+ 6	+ 1	+ 6	− 1	+ 0	+ 4	+ 0	+ 2	−22	− 5	0	1.64
78790	16 05 04.84	−11 38 17.2	9.09	G	241.270 160 35	−11.638 117 53		6.18	29.50	−15.69	1.40	0.94	1.34	1.51	1.17	+16	−29	−17	+21	− 2	+ 4	+ 4	+ 6	+37	− 4	2	0.87
78791	16 05 05.50	−48 49 39.6	8.32	H	241.272 932 25	−48.827 672 97		9.71	−54.48	−105.84	0.90	0.67	1.15	1.06	0.93	− 7	−33	−12	− 2	+ 0	+ 1	+ 2	+21	−12	− 3	0	−0.85
78792	16 05 08.50	−03 31 39.5	6.87	H	241.285 419 70	−03.527 634 38		3.01	−22.66	9.47	0.88	0.55	0.87	0.98	0.82	−31	−31	+ 8	+32	−21	+ 0	−22	+50	−14	−13	0	−1.00
78793	16 05 08.93	+03 03 27.3	8.45	H	241.287 217 28	+03.057 596 32		6.42	−22.02	4.03	0.95	0.68	1.12	1.25	1.03	−27	−34	+ 9	+14	−15	−20	−17	+18	+ 7	−21	0	1.13
78794	16 05 09.03	+47 33 25.5	8.46	H	241.287 613 95	+47.557 072 45		3.07	−14.37	9.20	0.71	0.76	0.84	0.88	0.89	+11	− 4	−10	− 6	− 5	−10	− 4	+17	− 4	+ 7	0	−1.87
78795	16 05 09.19	−48 05 21.0	8.84	H	241.288 300 81	−48.089 174 25		9.21	−9.87	−19.94	1.11	0.82	1.37	1.19	1.10	+13	−21	−28	+ 9	−10	− 9	− 6	+37	−23	− 7	0	−1.05
78796	16 05 09.61	+43 36 46.1	8.65	H	241.290 024 38	+43.612 812 40		7.93	20.86	−45.20	0.68	0.75	0.86	0.74	0.89	− 7	− 6	−14	− 7	+12	−16	+13	+13	+11	−21	0	−0.72
78797	16 05 09.96	−53 55 09.9	9.95	3 T	241.291 493 65	−53.919 404 38		−0.23	0.61	−0.44	1.48	1.09	1.81	1.85	1.46	+13	−11	−10	− 9	+ 9	−14	− 2	+26	−10	+41	0	0.22
78798	16 05 11.27	+34 14 12.1	7.64	H	241.296 971 29	+34.236 695 81		4.17	−16.26	21.08	0.56	0.66	0.83	0.58	0.72	+ 3	− 4	+18	−13	−11	−11	−10	−16	−11	+ 1	0	−0.31
78799 H	16 05 11.42	−61 09 15.0	8.56	H	241.297 577 70	−61.154 169 72	A	2.18	−11.65	−21.86	0.96	1.05	1.29

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T	σ	V_T	σ		B–V	σ		V–I	σ		Hp	σ	s	N		Max	Min	P		CCDM		Flags	AB	θ	ρ	σ_ρ	ΔHp	σ	Flags
	mag	mag	mag	mag		mag	mag		mag	mag		mag	mag	mag			mag	mag	days						°	″	″	mag	mag	
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
78701	8.563	0.011	8.332	0.012		0.220	0.015	T	0.24	0.02	L	8.3499	0.0013	0.012	98		8.32	8.37		C	16040+7107	I 1	1 S							S
78702	7.943	0.011	7.808	0.012		0.122	0.015	T	0.14	0.01	L	7.8367	0.0016	0.011	63		7.82	7.85		C			1							S
78703	7.428	0.006	6.908	0.005		0.488	0.007	T	0.56	0.01	L	6.9540	0.0007	0.008	102		6.94	6.97		C			1							S
78704	10.037	0.034	9.228	0.027		0.715	0.033	T	0.77	0.03	L	9.2770	0.0020	0.014	65		9.25	9.30		C			1							
78705	10.422	0.048	8.809	0.021		1.375	0.043	T	3.04	0.07	O	8.4438	0.0083	0.067	56		8.35	8.66		U 2			1 S							P
78706	9.722	0.020	9.406	0.022		0.396	0.006	G	0.46	0.01	H	9.4277	0.0038	0.029	98		9.38	9.46		U			1							G
78707	9.459	0.017	8.858	0.016		0.560	0.017	T	0.63	0.02	L	8.8902	0.0034	0.026	90		8.83	8.93		U 2			1							
78708	9.812	0.036	8.788	0.025	A	0.910	0.015	G	0.95	0.02	I	8.7997	0.0093	0.027	55	A	8.76	8.96		U 2 C	16041−2156	I 1	2 C A	AB	155	10.253	0.021	2.75	0.11	P
78709	8.058	0.007	7.190	0.005		0.771	0.002	G	0.88	0.07	F	7.2387	0.0011	0.012	203		7.22	7.26					1 G							S
78710	8.169	0.008	6.537	0.005		1.366	0.007	T	1.33	0.01	L	6.5484	0.0008	0.010	137		6.54	6.56					1							S
78711	9.969	0.022	9.347	0.020		0.575	0.022	T	0.65	0.02	L	9.4258	0.0018	0.018	130		9.40	9.46		C			1							
78712	8.660	0.011	8.285	0.011	*	0.382	0.002	G	0.45	0.00	H	*	8.3181	0.0016	0.015	91	*	8.29	8.34		C	16041−4143	H 1	2 C D	AB	63	0.314	0.050	3.25	0.36	D
78713	8.400	0.014	8.034	0.014		0.337	0.001	G	0.39	0.00	H		8.0959	0.0023	0.012	58		8.08	8.11		C			1							S
78714	10.828	0.052	9.719	0.031	*	0.948	0.048	T	0.94	0.04	L	*	9.6361	0.0028	0.025	106	*	9.59	9.67		R	16042−3227	I 1	2 C A	AS	167	0.610	0.005	0.08	0.01	
78715	9.094	0.016	7.579	0.009		1.274	0.014	T	1.23	0.01	L		7.5622	0.0012	0.009	81		7.55	7.58		C			1							S
78716	8.573	0.010	7.909	0.009		0.600	0.002	G	0.67	0.00	H		7.9805	0.0010	0.009	99		7.96	8.00					1							S
78717	9.553	0.023	8.019	0.012		1.289	0.020	T	1.25	0.02	L		8.0405	0.0014	0.013	67		8.02	8.06					1							S
78718	9.328	0.021	7.801	0.011		1.283	0.019	T	1.24	0.02	L		7.8369	0.0019	0.011	64		7.82	7.85		C			1							S
78719	9.932	0.023	9.622	0.026		0.294	0.033	T	0.34	0.04	L		9.6177	0.0026	0.029	104		9.57	9.67					1							
78720	10.321	0.034	8.873	0.017		1.221	0.030	T	1.18	0.03	L		8.8992	0.0025	0.018	84		8.87	8.94		C			1							
78721	12.362	0.179	8.911	0.016		2.600	0.510	G	2.60	0.52	J		8.6995	0.1016	0.673	110		8.14	9.73	244.20	P 1 B			1							P
78722	6.846	0.004	6.781	0.005		0.065	0.006	T	0.07	0.01	L		6.8031	0.0009	0.010	147		6.79	6.82					1							S
78723	9.980	0.029	8.075	0.012		1.582	0.025	T	1.60	0.03	L		8.0037	0.0017	0.015	103		7.99	8.03		U			1							S
78724	8.649	0.015	8.216	0.014		0.409	0.019	T	0.48	0.02	L		8.2711	0.0025	0.013	64		8.25	8.30		C			1							S
78725	11.052	0.061	10.385	0.054	*	0.618	0.068	T	0.69	0.06	L	*	10.3634	0.0038	0.028	94	*	10.29	10.41		D	16043−0313	I 1	2 C A	AB	353	0.579	0.005	0.13	0.02	G
78726	6.495	0.003	6.131	0.004		0.338	0.006	G	0.39	0.01	H		6.1796	0.0010	0.008	128		6.17	6.19					1							S
78727						0.460	0.009	G	0.53	0.02	A		4.2990	0.0089	0.060	47		4.26	4.65		D	16044−1123	I 3	S							S G
78728	8.767	0.014	7.294	0.008		1.241	0.013	T	1.20	0.01	L		7.3003	0.0017	0.011	64		7.28	7.32		C			1							S
78729	9.556	0.014	8.051	0.008	*	1.266	0.013	T	1.22	0.01	L	*	8.0608	0.0015	0.016	155	*	8.04	8.09		D	16043+3230	H 1	2 C B	AB	328	0.408	0.023	2.46	0.13	S
78730	10.221	0.027	8.590	0.013		1.365	0.024	T	1.33	0.03	L		8.5543	0.0028	0.018	104		8.52	8.59					1							
78731	6.448	0.004	6.475	0.005		0.006	0.010	G	0.05	0.05	F		6.4763	0.0009	0.008	94		6.46	6.49		C			1							S
78732	9.952	0.034	9.328	0.030		0.581	0.040	T	0.65	0.04	L		9.3954	0.0022	0.020	116		9.36	9.43		C			1							
78733	10.201	0.033	9.385	0.025		0.700	0.015	G	0.76	0.01	H		9.4914	0.0021	0.019	77		9.46	9.53		C			1							
78734	11.868	0.112	10.313	0.044		1.345	0.015	G	1.56	0.02	I		10.1703	0.0022	0.023	120		10.12	10.20					1 G							G
78735	11.042	0.075	9.581	0.032		1.231	0.064	T	1.19	0.06	L		9.6069	0.0037	0.025	56		9.57	9.66					1							
78736	9.894	0.033	7.783	0.012		1.820	0.015	G	1.83	0.09	H		7.6382	0.0034	0.013	49		7.62	7.66					1 S							S
78737	10.376	0.031	9.900	0.032	*	0.448	0.041	T	0.52	0.04	L	*	9.9626	0.0023	0.024	114	*	9.92	10.01			16044+3625	H 1	2 C C	AB	182	0.309	0.064	2.74	0.62	
78738	8.342	0.017	7.508	0.011	D	0.750	0.000	G	0.79	0.00	H		7.5700	0.0247	0.059	57	D	7.52	7.85		D	16044−1123	I 3	1 C P A							S
78739	9.046	0.030	8.055	0.022	E	0.850	0.000	G	0.86	0.00	H		8.1793	0.0404			E				D	16044−1123	I 3	1 C I A							
78740	11.163	0.066	9.808	0.031		1.148	0.057	T	1.11	0.05	L		9.8597	0.0023	0.022	96		9.82	9.89					1 S							G
78741	11.782	0.099	9.743	0.026		1.726	0.084	T	1.72	0.17	K		9.6631	0.0035	0.031	116		9.61	9.71					1							
78742	7.331	0.006	6.852	0.005		0.451	0.007	T	0.52	0.01	L		6.9091	0.0010	0.008	102		6.89	6.93		C			1							S
78743	9.771	0.025	7.731	0.010		1.689	0.021	T	1.71	0.02	L		7.6133	0.0033	0.023	108		7.58	7.65		U 2			1							
78744	10.288	0.040	8.509	0.017		1.482	0.034	T	1.50	0.05	L		8.4878	0.0018	0.014	63		8.46	8.51		C			1							
78745	10.212	0.032	9.764	0.032		0.423	0.042	T	0.49	0.04	L		9.8161	0.0035	0.029	93		9.78	9.88		C			1							
78746	11.431	0.112	9.306	0.031		1.797	0.096	T	2.03	1.08	O		9.2051	0.1779	0.797	52		8.44	10.61	162.00	P 1 A			1 X							G
78747	6.371	0.003	5.953	0.003		0.409	0.003	T	0.48	0.00	L		6.0016	0.0007	0.005	111		5.99	6.01		C	16046−3752	I 1	1							S
78748	10.329	0.032	8.995	0.017		1.132	0.028	T	1.10	0.03	L		9.0416	0.0017	0.015	106		9.02	9.07		C			1							
78749	9.616	0.019	9.202	0.020	A	1.020	0.495	G	0.47	0.06	L	*	9.1291	0.0026	0.022	94	*	9.09	9.18		U 2	16046−4320	I 1	2 C B	AB	91	8.466	0.039	2.74	0.19	D
78750	11.245	0.056	10.589	0.050		0.609	0.063	T	0.68	0.06	L		10.7105	0.0038	0.043	139		10.63	10.78					1							G
78751	9.947	0.020	9.445	0.019		0.472	0.025	T	0.54	0.03	L		9.4914	0.0023	0.026	161		9.45	9.54		C			1							S
78752	8.535	0.012	7.389	0.008		0.985	0.011	T	0.97	0.01	L		7.4428	0.0010	0.009	67		7.42	7.46		C			1							S
78753	10.789	0.057	8.946	0.022		1.533	0.048	T	1.58	0.10	L		8.8846	0.0025	0.014	56		8.87	8.90		C			1							
78754	7.058	0.004	7.072	0.006		−0.011	0.006	T	0.01	0.01	L		7.0840	0.0009	0.008	110		7.07	7.10					1 G							S
78755	11.530	0.127	9.536	0.034		1.653	0.105	T	1.68	0.11	L		9.4494	0.0027	0.023	56		9.42	9.50					1							
78756	6.841	0.005	6.938	0.006		−0.084	0.007	T	−0.06	0.01	L		6.9268	0.0023	0.018	80		6.89	6.95	1.85	P 1 A	16047−3926	I 1	1							S
78757	10.394	0.021	10.508	0.037	*	−0.018	0.020	G	0.00	0.02	H	*	10.5101	0.0031	0.047	267	*	10.42	10.60		U	16048−6902	H 1	2 C C	AB	116	0.227	0.019	0.74	0.37	G
78758	10.817	0.050	10.071	0.040		0.682	0.051	T	0.74	0.04	L		10.0832	0.0045	0.038	88		10.04	10.15		U	16048−4839	I 1	1 S							G
120121						1.246	0.015	G	1.41	0.02	I		12.0961	0.0081	0.072	124		11.98	12.22					1							D
78759	9.935	0.017	9.442	0.018	A	0.464	0.023	T	0.53	0.02	L		9.5463	0.0118	0.049	190	A	9.41	9.61		D	16048+2514	H 2	1 C P D							D
78760	9.961	0.018	9.531	0.020	B	0.406	0.025	T	0.47	0.03	L		9.6278	0.0123			B				U 2	16048+2514	H 2	1 C I D							D
78761	7.005	0.005	6.872	0.007	*	0.128	0.008	T	0.14	0.01	L	*	6.9005	0.0010	0.007	103	*	6.89	6.91		D	16049+7016	I 1	2 C A	AC	292	0.230	0.005	1.39	0.08	S
78762	8.898	0.013	7.519	0.008		1.167	0.012	T	1.13	0.01	L		7.5789	0.0011	0.013	105		7.56	7.60			16048+6003	I 1	1							S
78763	8.064	0.011	7.809	0.012		0.243	0.015	T	0.27	0.02	L		7.8557	0.0012	0.014	66		7.83	7.87		C			1							S
78764	11.012	0.053	10.454	0.050		0.522	0.065	T	0.59	0.07	L		10.4491	0.0066	0.052	96		10.37	10.55		R	16048+2028	I 1	1 X S							
78765	8.799	0.012	7.930	0.010		0.761	0.012	T	0.80	0.01	L		7.9709	0.0014	0.011	91		7.94	7.99		C	16048−4044	I 1	1							S
78766	9.379	0.018	8.941	0.018		0.404	0.015	G	0.47	0.02	H		9.0211	0.0020	0.015	96		8.99	9.05		C			1							
78767	10.809	0.051	10.501	0.064		0.212	0.015	G	0.23	0.02	H		10.6847	0.0037	0.036	97		10.61	10.76					1							G
78768	11.091	0.054	9.203	0.018		1.602	0.047	T	2.17	0.10	O		9.0563	0.0028	0.034	127		9.01	9.11		U			1							
78769	9.974	0.039	9.088	0.030		0.774	0.038	T	0.81	0.03	L		9.1973	0.0023	0.015	63		9.18	9.23		C			1							
78770	9.681	0.027	8.746	0.020		0.826	0.025	T	0.85	0.02	L		8.8050	0.0019	0.017	76		8.77	8.83					1							
78771											T		11.6351	0.0220	0.271	92		11.21	12.08	10.77	P 1 A			1 S							D
78772	7.584	0.007	7.659	0.007		−0.064	0.009	T	−0.04	0.01	L		7.6589	0.0011	0.015	190		7.63	7.68					1							S
78773	10.103	0.034	8.690	0.019		1.194	0.031	T	1.15	0.03	L		8.6905	0.0023	0.017	59		8.66	8.72					1							
78774	9.809	0.029	9.235	0.027		0.540	0.029	T	0.61	0.03	L		9.2772	0.0037	0.025	77		9.23	9.33					1							
78775	7.580	0.005	6.741	0.004		0.734	0.001	G	0.80	0.03	C		6.7994	0.0007	0.009	148		6.78	6.81		C			1							S
78776	10.783	0.042	9.236	0.020		1.299	0.037	T	1.26	0.04	L		9.2074	0.0025	0.018	90		9.18	9.24		C			1							
78777	11.290	0.039	9.267	0.012		1.676	0.032	T	1.70	0.03	L		9.2103	0.0026	0.030	240		9.15	9.26		U 2			1							
78779	8.735	0.014	8.346	0.014		0.368	0.018	T	0.43	0.02	L		8.3920	0.0023	0.016	68		8.36	8.42		C			1							S
78780	9.152	0.016	8.677	0.016		0.447	0.021	T	0.52	0.02	L		8.7098	0.0019	0.014	96		8.69	8.74		C			1							S
78781	9.826	0.027	8.088	0.013		1.478	0.025	T	3.48	0.06	O		7.5283	0.0211	0.140	80		7.37	7.72		U 2			1							P
78782	8.913	0.013	7.727	0.009		1.016	0.012	T	0.99	0.01	L		7.7701	0.0014	0.009	93		7.75	7.78			16050−2657	I 1	1 S							S
78783	8.650	0.009	8.565	0.011		0.077	0.013	T	0.09	0.01	L		8.5854	0.0013	0.016	143		8.55	8.61		C			1							
78784	10.792	0.050	9.657	0.030		0.969	0.046	T	1.02	0.04	L		9.7871	0.0018	0.020	113		9.76	9.84					1							
78785	7.264	0.005	6.786	0.005		0.465	0.015	G	0.54	0.02	H		6.8453	0.0010	0.006	63		6.83	6.86		C			1							S
78786						1.064	0.015	G	1.03	0.01	H		11.9931	0.0146	0.109	99		11.76	12.16					1 S							D G
78787	10.850	0.040	9.597	0.022		1.068	0.036	T	1.03	0.03	L		9.6317	0.0019	0.031	158		9.59	9.69					1							
78788	11.218	0.061	10.213	0.042		0.866	0.058	T	0.91	0.06	L		10.3436	0.0046	0.045	129		10.25	10.43					1							
78789	9.367	0.016	7.957	0.009		1.191	0.014	T	1.15	0.01	L		7.9972	0.0011	0.013	135		7.97	8.03		C			1							S
78790	9.685	0.036	9.159	0.035		0.500	0.015	G	0.57	0.02	H		9.1598	0.0035	0.021	52		9.13	9.21					1							
78791	9.023	0.015	8.378	0.014		0.592	0.015	T	0.66	0.01	L		8.4486	0.0018	0.015	92		8.43	8.47		C			1							
78792	7.078	0.005	6.894	0.006		0.176	0.007	T	0.19	0.01	L		6.9289	0.0012	0.009	92		6.92	6.95		C			1							S
78793	9.076	0.014	8.507	0.013		0.505	0.015	G	0.58	0.02	H		8.5643	0.0024	0.015	85		8.54	8.59		C			1							S
78794	9.797	0.020	8.567	0.013		1.050	0.019	T	1.02	0.02	L		8.6263	0.0018	0.016	116		8.60	8.65					1							S
78795	9.475	0.017	8.896	0.016		0.543	0.017	T	0.62	0.02	L		8.9580	0.0026	0.021	94		8.91	9.00					1							
78796	9.153	0.012	8.680	0.012		0.446	0.015	T	0.52	0.02	L		8.7523	0.0017	0.019	136		8.72	8.80					1							S
78797	11.401	0.108	10.079	0.051		1.122	0.093	T	1.08	0.10	L		10.1059	0.0520	0.320	92		9.76	10.51	6.20	P 1 A			1							G
78798	9.101	0.013	7.753	0.008		1.143	0.012	T	1.11	0.01	L		7.8054	0.0013	0.014	143		7.78	7.83					1							S
78799	8.717	0.010	8.580	0.012	*	0.124	0.015	T	0.14	0.01	L	*	8.6130	0.0018	0.016	134	*	8.58	8.64			16052−6109	H 1	2 C B	AB	96	0.779	0.031	3.71	0.12	
78800	9.370	0.016	8.695	0.014	A	0.700	0.495	G	0.71	0.04	L	*	8.7328	0.0022	0.020	120	*	8.70	8.77			16052+2211	I 1	2 C A	AB	219	3.620	0.032	3.04	0.11	S

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)										Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
78801	16 05 15.26	−40 19 10.4	9.15	H	241.313 574 05	−40.319 541 80	0.03	8.58	0.37	1.14	0.86	1.48	1.32	1.15	−27	+ 0	−31	−16	+12	−20	+12	+20	−23	−33	0	−0.14
78802	16 05 15.34	+62 19 31.1	8.28	H	241.313 936 68	+62.325 301 01	0.79	−7.42	−1.04	0.66	0.64	0.72	0.59	0.66	+ 7	+16	+ 0	−46	−18	−20	− 9	− 4	+ 7	−19	0	0.40
78803	16 05 15.51	−56 20 23.6	7.22	2 H	241.314 627 70	−56.339 895 51	0.36	−1.88	−3.27	0.71	0.59	0.94	0.79	0.79	+ 2	−25	−20	+ 5	− 2	−23	− 6	+13	+ 0	−16	0	0.46
*78804	16 05 17.48	−70 03 30.8	9.15	H	241.322 833 35	−70.058 544 50	4.46	1.85	−9.43	0.69	0.93	1.27	0.71	1.04	+35	−26	−13	−10	+ 3	− 7	+ 3	+18	− 7	+35	4	1.97
*78805	16 05 17.38	−50 50 41.4	9.10	H	241.322 402 01	−50.844 825 14	6.22	−21.39	−7.58	1.23	0.98	1.58	1.52	1.28	− 4	−22	−20	+31	− 6	+19	+ 2	+48	−20	−13	0	0.20
78806	16 05 18.25	−80 34 45.9	9.01	H	241.326 029 33	−80.579 409 16	1.82	4.84	−5.48	0.72	0.81	0.97	0.73	0.92	+10	−28	− 1	+12	− 7	− 7	−11	+ 4	+10	+ 5	0	−2.24
78807	16 05 18.31	−55 48 40.3	7.49	H	241.326 292 59	−55.811 182 58	0.56	−8.33	−5.53	0.76	0.63	0.99	0.95	0.92	+ 6	−17	−29	+ 5	− 9	−10	− 7	+33	−25	− 5	0	0.88
78808 H	16 05 18.91	−49 30 08.1	10.10	2 H	241.328 784 67	−49.502 255 11 A	0.36	−6.71	−1.88	5.00	3.44	5.34	6.54	4.55	+13	−20	−17	− 7	−12	− 2	− 5	+26	−31	+31	3	2.30
78809	16 05 19.15	−23 40 08.6	7.65	H	241.329 809 79	−23.669 061 33	7.62	−9.78	−25.28	0.93	0.61	1.00	0.98	0.78	+ 5	−28	− 9	−24	−19	+12	− 8	+ 6	−30	− 8	5	0.24
78810	16 05 19.74	−54 10 46.4	7.96	2 H	241.332 253 20	−54.179 544 49	1.80	−46.43	−42.37	0.81	0.69	1.15	1.14	0.97	+ 3	+ 8	− 1	−10	+ 7	−34	− 4	+20	−29	+41	0	1.56
78811	16 05 20.74	+66 47 20.8	9.87	G	241.336 435 51	+66.789 110 28	5.54	−145.58	171.00	0.90	0.93	0.99	0.95	1.11	+15	−34	−17	−17	+ 2	+ 2	− 5	+ 9	+ 7	+25	1	−0.25
78812 H	16 05 21.07	+58 09 58.5	8.31	H	241.337 772 05	+58.166 249 01 A	4.71	−19.93	25.30	0.99	0.96	0.94	0.98	1.02	− 2	−11	+ 5	− 2	−11	+10	−12	+22	− 3	− 9	1	0.69
78813	16 05 21.24	−03 20 54.4	7.61	H	241.338 488 52	−03.348 440 27	3.95	−56.94	−38.25	1.03	0.64	1.00	1.22	0.98	−17	−28	+10	+37	− 3	+ 7	− 5	+50	+ 0	− 1	0	−2.15
78814	16 05 21.95	+41 43 06.1	9.92	H	241.341 453 33	+41.718 361 39	6.09	22.14	−25.58	0.98	0.97	1.23	1.22	1.18	+ 1	+ 0	− 4	−13	+11	− 5	+12	− 2	+10	−11	1	0.27
78815	16 05 22.24	−77 14 12.4	7.54	H	241.342 684 84	−77.236 791 34	3.55	−12.28	−0.42	0.56	0.66	0.79	0.67	0.85	+ 1	−22	+15	− 6	+11	− 8	+ 8	+34	+ 5	+12	0	−0.38
78816	16 05 23.08	+42 01 36.2	8.34	H	241.346 180 20	+42.026 724 71	3.59	−2.01	−31.68	0.67	0.66	0.82	0.82	0.84	− 2	− 9	− 6	+14	+15	+ 1	+16	+ 8	− 4	− 8	0	0.15
78817	16 05 23.85	−31 27 24.6	7.07	H	241.349 394 49	−31.456 842 29	10.54	−33.39	−35.19	0.91	0.62	1.07	0.97	0.75	− 0	−47	−18	+31	+ 6	+ 4	+10	+48	−21	− 4	0	−0.95
78818	16 05 25.09	+57 53 27.5	8.94	H	241.354 536 11	+57.890 970 57	2.99	−19.12	−3.08	0.77	0.73	0.81	0.89	0.84	+20	−18	−22	− 7	+ 5	+ 3	− 6	− 3	+ 5	+19	0	0.31
78819	16 05 25.24	−35 39 19.5	8.89	H	241.355 172 33	−35.655 421 71	3.55	−38.96	−40.49	1.05	0.60	1.31	1.46	1.06	+ 0	− 6	−22	−11	− 3	−11	+ 8	+35	− 9	−25	2	−0.12
78820	16 05 26.23	−19 48 19.4	2.56	G	241.359 312 06	−19.805 392 86 A	6.15	−6.75	−24.89	1.28	0.96	1.12	1.42	1.07	− 1	−13	−34	+ 6	+ 7	+13	+23	+ 1	−15	+10	11	2.66
78821	16 05 26.58	−19 48 06.6	4.90	G	241.360 730 17	−19.801 841 91 C	2.88	−34.59	−7.47	22.87	16.31	12.99	16.49	11.03	−13	− 7	−41	+ 8	+10	+21	+29	− 7	− 8	+ 2	11	2.66
78822	16 05 27.13	−06 17 25.7	7.86	G	241.363 050 50	−06.290 483 54	12.12	51.87	4.15	1.13	0.58	1.15	1.27	1.09	−31	−41	+12	+34	− 7	−13	+ 6	+33	− 2	−31	4	−0.75
78823	16 05 27.38	+43 43 08.7	7.53	H	241.364 082 90	+43.719 081 74	1.84	−4.87	−10.40	0.55	0.60	0.69	0.65	0.75	− 2	+ 1	−16	+ 3	+ 9	−14	+10	+19	+ 7	−16	1	0.17
78824	16 05 27.94	−69 35 44.9	9.33	H	241.366 428 17	−69.595 805 92	3.42	8.41	−9.46	0.68	1.02	1.40	0.72	1.17	+33	−10	− 9	− 3	+12	− 8	+11	+28	−13	+40	2	0.87
78825	16 05 27.98	−59 12 50.4	8.47	H	241.366 602 21	−59.213 995 33	18.29	41.11	−11.23	0.74	0.83	1.08	0.84	1.09	+19	−37	−28	+39	+26	− 7	+40	+62	−40	+ 2	0	1.27
78826	16 05 28.59	−34 00 15.8	8.02	H	241.369 143 03	−34.004 389 58	6.74	−26.02	−27.76	0.91	0.53	1.18	1.21	1.02	−17	−35	− 6	+24	− 5	−22	+ 6	+39	+ 1	−44	0	0.19
78827	16 05 28.94	−26 57 33.5	8.00	H	241.370 585 62	−26.959 295 93	11.48	−50.17	−22.68	1.03	0.70	1.21	0.98	0.98	−56	−44	+12	+ 8	+15	− 8	− 3	+ 36	−28	−43	0	1.30
78828	16 05 29.28	+37 48 43.8	9.50	H	241.372 016 75	+37.812 162 45	2.60	7.24	−1.87	0.76	0.85	1.06	0.95	0.92	+16	+ 5	+ 2	− 1	− 7	+18	− 9	−19	− 3	+ 6	0	−1.58
78829	16 05 30.35	+31 35 00.2	7.69	H	241.376 473 57	+31.583 400 77	8.49	−18.95	11.39	0.50	0.58	0.82	0.58	0.75	+ 9	− 8	+ 5	+12	+ 1	− 5	+ 4	+17	−16	−12	0	0.22
78830	16 05 30.91	−32 14 16.7	8.93	G	241.378 794 97	−32.237 964 28	6.97	−15.62	−18.36	1.15	0.74	1.34	1.34	1.04	−11	−23	−19	− 3	−12	−10	−10	+32	−15	−21	0	0.63
78831	16 05 31.14	−49 47 54.8	8.75	H	241.379 746 77	−49.798 560 85	8.37	−43.40	27.09	1.11	0.74	1.33	1.52	1.10	+19	−13	−19	+24	+16	− 4	+16	+35	−25	+37	0	−1.16
78832	16 05 32.29	+18 34 25.7	8.87	H	241.384 552 30	+18.573 798 85	−2.22	−2.82	3.26	1.10	0.95	1.37	1.13	1.09	+ 8	−34	−15	+ 7	−35	−10	−35	+36	− 5	+ 6	2	1.08
78833	16 05 35.07	+15 15 27.0	8.68	H	241.396 141 68	+15.257 503 13	18.75	−65.64	−10.48	1.20	0.94	1.26	1.48	1.34	−19	−31	+ 5	+35	+11	−14	+ 8	− 8	− 2	−31	0	1.67
78834	16 05 35.28	−62 42 32.3	8.44	H	241.397 004 03	−62.708 970 45	0.89	−2.13	−1.83	0.71	0.88	1.25	0.89	1.05	−26	−13	−12	− 1	− 6	−26	−12	+29	+ 5	−23	2	0.28
78835	16 05 35.84	−37 30 47.7	10.65	H	241.399 338 35	−37.513 258 03	9.98	−41.87	−3.63	1.53	1.11	1.91	1.70	1.60	−17	−25	−18	+ 8	−14	+ 7	− 3	+40	−25	−34	0	−1.67
78836	16 05 36.29	−18 43 28.1	9.78	H	241.401 221 49	−18.724 461 16	6.08	25.17	−32.06	1.46	0.98	1.49	1.75	1.24	+ 9	−29	−15	+20	+14	− 6	+16	+ 7	− 9	+ 9	3	0.74
78837	16 05 36.77	+68 29 48.7	8.19	H	241.403 199 77	+68.496 863 84	3.56	−5.25	4.76	0.62	0.64	0.68	0.70	0.77	+ 4	+ 4	− 2	− 8	− 9	+ 0	− 8	+ 0	−18	−17	0	0.86
78838	16 05 37.86	−12 42 43.8	9.64	H	241.407 758 60	−12.712 179 58	4.55	−23.52	−13.37	1.40	1.16	1.54	1.46	1.32	−25	−30	−25	+18	−25	+13	−16	+40	−17	−37	6	1.82
*78839	16 05 37.93	+21 53 35.1	7.23	G	241.408 059 09	+21.893 092 64	12.35	−57.56	−94.24	0.69	0.64	0.88	0.78	0.89	+12	−22	−11	−12	−38	+14	−40	+21	− 9	+11	2	−1.37
*78840	16 05 37.93	+08 05 46.5	6.27	H	241.408 058 67	+08.096 245 75	8.10	7.55	0.79	0.76	0.60	0.95	1.03	0.88	−25	−11	−34	+36	−13	+14	− 3	+26	−29	−27	0	−0.46
78841	16 05 38.70	+06 46 29.2	9.87	H	241.411 270 53	+06.774 780 77	−2.36	7.95	−1.03	1.60	1.33	1.83	2.18	2.23	−27	−19	− 1	+35	+ 0	+24	+ 8	+27	−14	−38	8	0.29
78842 H	16 05 39.42	−32 51 42.6	7.84	G	241.414 247 17	−32.861 820 17 A	23.85	−361.18	−235.01	2.18	1.72	1.91	2.67	2.36	−53	+ 0	+ 2	− 4	−24	−32	−14	+34	+ 7	−66	2	0.04
78843	16 05 40.29	−20 26 57.1	7.39	H	241.417 860 99	−20.449 186 47	53.93	296.74	−359.35	0.90	0.64	1.11	1.03	0.79	+ 7	−39	−39	+ 4	−16	+27	+ 9	+32	−37	−22	6	2.52
78844	16 05 40.42	+30 55 01.4	8.28	2 H	241.418 426 69	+30.917 051 38	2.65	13.44	−11.10	0.60	0.71	1.00	0.65	0.84	+21	+11	+ 1	+30	+25	−10	+22	+ 9	−10	+ 8	1	−0.32
78845	16 05 41.28	+63 27 40.5	9.24	H	241.422 013 14	+63.461 258 51	1.77	4.27	26.52	0.74	0.81	0.85	0.81	0.88	+ 7	−12	−30	− 4	+ 5	− 8	+ 7	+24	−15	− 7	0	0.24
78846	16 05 41.60	+05 11 10.8	9.21	H	241.423 349 27	+05.186 334 85	4.73	18.08	−3.31	1.14	0.93	1.27	1.40	1.41	−34	−25	− 2	+34	− 5	+ 6	+ 1	+26	− 8	−32	0	0.21
78847	16 05 43.40	−21 50 19.5	7.79	H	241.430 826 44	−21.838 746 99	6.93	−9.78	−22.96	0.91	0.63	0.97	1.06	0.78	+ 4	−20	− 9	+20	+ 4	+24	+ 8	+22	− 8	− 9	0	−0.25
78848	16 05 44.11	−68 26 08.0	7.71	H	241.433 778 21	−68.435 552 93	−0.97	−2.99	−9.17	0.37	0.53	0.79	0.46	0.63	+25	−11	− 3	+13	− 7	−20	− 7	+14	− 8	+24	1	0.96
78849 H	16 05 44.53	−06 17 28.1	6.35	H	241.435 524 22	−06.291 143 10 A	12.81	50.00	5.83	1.47	0.81	1.22	1.20	1.03	−31	−55	+21	+34	− 9	+ 2	− 1	+41	− 2	−27	0	0.37
78850	16 05 44.74	−07 05 05.7	8.23	H	241.436 407 48	−07.084 908 96	7.77	5.50	20.23	1.10	0.84	1.18	1.12	1.02	−18	−37	+ 0	+29	+12	− 8	+14	+28	+ 3	−22	0	0.22
78851	16 05 45.14	+32 14 52.2	6.71	H	241.438 097 80	+32.247 838 69	3.68	−28.87	−25.00	0.44	0.52	0.70	0.50	0.66	+ 2	− 7	− 5	+ 7	+ 3	− 9	+ 6	+14	−19	−19	0	1.94
78852	16 05 46.11	−10 48 05.5	9.58	H	241.442 138 11	−10.801 521 82	4.36	−9.99	1.42	1.56	1.17	1.72	2.16	1.81	− 2	−15	−21	+27	− 1	− 1	− 4	+25	+27	−11	0	−0.13
78853 H	16 05 46.29	−39 50 35.7	7.83	H	241.442 884 84	−39.843 249 86 A	7.14	−21.07	−25.29	1.49	1.41	1.46	1.84	1.79	−57	− 6	−23	+64	−60	− 8	−60	+78	− 6	−72	0	−0.55
78854	16 05 48.81	+36 31 41.6	7.39	H	241.453 362 21	+36.528 212 30	4.98	−20.40	4.43	0.56	0.55	0.71	0.63	0.63	+11	+ 2	+ 7	−10	−15	+ 2	−15	−10	−13	−10	0	0.38
78855	16 05 49.46	−46 05 05.4	7.68	H	241.456 091 52	−46.084 831 67	1.27	−2.35	−13.11	0.70	0.54	0.88	0.68	0.68	−17	−34	−22	+ 2	−22	+ 1	− 6	+37	−26	−47	2	−0.36
78856	16 05 50.04	+56 41 01.2	9.32	H	241.458 481 82	+56.683 666 82	3.04	−8.53	6.58	0.72	0.80	0.86	0.92	0.99	+ 8	−17	−25	− 3	−14	+20	−12	− 5	+14	+ 8	0	0.45
78857	16 05 50.36	+19 46 29.6	9.55	H	241.459 815 32	+19.774 880 44	4.77	19.43	−93.32	2.14	2.14	3.09	2.44	2.92	− 3	−10	−17	−38	−30	+16	−25	+25	+12	−18	0	
78858	16 05 52.27	+09 56 09.3	6.93	H	241.467 792 20	+09.935 930 40	5.05	−16.80	11.03	0.77	0.57	0.91	1.00	0.93	−16	−20	−15	+30	+10	− 4	+11	−12	+ 0	−22	0	1.95
78859	16 05 52.50	+35 00 23.9	8.04	H	241.468 735 10	+35.006 646 20	17.10	−60.66	−252.28	0.58	0.63	0.84	0.68	0.72	+10	+ 5	+17	+ 8	−13	−10	−12	−12	−11	+ 7	0	1.01
78860	16 05 52.53	−40 44 02.7	8.37	H	241.468 876 45	−40.734 084 19	4.13	−5.82	−17.13	1.06	0.80	1.77	1.51	1.16	−22	+16	−28	−24	+ 2	−57	−15	+28	−24	−18	0	1.51
78861	16 05 53.18	−62 14 07.2	8.95	H	241.471 594 95	−62.235 331 21	2.55	−31.17	−5.23	0.75	0.97	1.28	0.98	1.24	−31	−19	+ 4	+ 2	−12	+ 0	−16	+46	+ 7	−23	3	0.49
78862	16 05 53.30	+36 35 59.7	8.51	H	241.472 076 98	+36.599 916 35	2.76	−3.14	−2.92	0.69	0.66	0.88	0.70	0.70	+12	+17	+ 1	−15	−19	− 1	−23	−22	−12	− 9	0	1.43
78863	16 05 53.44	−55 51 12.6	8.70	G	241.472 651 40	−55.853 506 37	1.52	−4.53	−7.01	0.88	0.81	1.18	1.18	1.20	−13	+ 7	−12	+ 6	−12	−13	−16	+33	−24	− 7	0	−1.22
78864 H	16 05 53.72	+10 41 06.4	8.31	2 G	241.473 824 89	+10.685 111 13 *	24.81	−523.78	−41.47	3.38	1.49	1.58	2.10	1.62	−24	− 4	+ 9	+12	− 5	−41	+ 1	− 7	− 7	−22	0	1.22
78865	16 05 54.13	−05 34 55.2	10.23	H	241.475 547 48	−05.582 004 09	7.56	36.47	−120.78	2.80	1.55	2.30	3.19	2.68	−69	−39	+24	+62	−53	− 3	−47	+69	− 5	−58	0	1.73
*78866	16 05 55.44	−89 18 30.4	7.83	G	241.481 010 72	−89.308 448 81	11.95	−23.75	−40.83	0.51	0.56	0.63	0.53	0.70	+ 5	−16	+ 6	+ 9	+ 0	− 4	+ 2	+17	−10	+10	1	1.22
*78867	16 05 54.85	+45 29 43.2	8.25	G	241.478 530 28	+45.495 345 26	6.35	−19.70	−9.57	0.61	0.64	0.73	0.62	0.74	− 9	+ 1	+ 8	−11	+15	−14	+19	+ 6	+17	−21	1	0.61
78868	16 05 55.88	−72 24 03.9	5.70	G	241.482 841 21	−72.401 071 81	11.31	−33.29	71.48	0.37	0.45	0.60	0.42	0.56	+21	−11	− 6	+ 1	− 6	+ 2	− 8	+ 8	+14	+27	0	1.01
78869	16 05 56.74	+21 12 46.5	8.76	H	241.486 425 15	+21.212 909 18	3.89	−10.49	−23.47	0.97	0.91	1.28	0.97	1.15	− 2	−40	−17	+ 0	−41	+ 8	−37	+31	− 8	−13	0	−0.67
78870	16 05 59.83	−06 08 23.1	6.39	G	241.499 301 67	−06.139 740 91	9.39	−34.19	−5.30	1.10	0.70	1.11	1.15	0.83	−23	−64	+22	+55	−13	−37	− 4	+57	+ 3	−12	0	0.88
78871	16 06 00.62	+20 21 00.7	9.04	H	241.502 601 81	+20.350 198 41	1.90	−4.17	5.40	0.97	1.01	1.49	1.00	1.23	+ 8	−27	−38	−45	−43	+35	−28	+21	−13	−21	0	1.01
78872	16 06 00.71	−21 43 59.5	9.80	3 H	241.502 948 04	−21.733 201 81	−2.47	−4.56	−5.04	2.70	1.73	3.03	3.38	2.12	+21	−29	−30	+52	+18	− 3	+25	+55	−34	+21	3	2.17
*78873	16 06 01.25	+13 19 45.3	8.00	H	241.505 206 63	+13.329 252 73	5.05	−17.43	−4.40	1.22	0.84	1.46	1.39	1.16	−28	−41	+ 7	+21	−13	− 5	+ 5	+14	−39	− 3	0	2.97
*78874	16 06 01.20	−08 46 13.5	7.89	H	241.505 014 07	−08.770 420 83	5.96	3.49	−64.76	0.96	0.70	1.04	1.14	0.94	−15	−32	− 5	+12	+13	+ 3	+10	+10	+ 9	−18	0	−0.24
78875	16 06 02.82	+13 19 15.5	6.80	H	241.511 733 08	+13.320 975 76	5.63	17.22	−19.40	0.91	0.65	1.08	1.03	0.90	−32	−37	+ 6	+20	−17	− 1	+ 1	+13	−40	−14	0	1.41
78876	16 06 05.81	+64 41 13.9	7.08	H	241.524 203 12	+64.687 197 55	4.33	−39.83	40.68	0.51	0.49	0.54	0.49	0.52	+ 9	−21	−22	− 8	+13	−14	+14	+11	−15	+ 9	3	0.13
78877	16 06 06.38	−23 36 22.5	5.90	1 H	241.526 600 87	−23.606 244 33	6.70	−10.98	−29.18	0.72	0.54	0.86	0.84	0.67	− 7	−24	− 8	−15	−23	+11	−13	+10	−20	− 6	0	1.93
78878	16 06 06.47	−12 18 15.0	8.45	H	241.526 974 62	−12.304 171 87	10.97	−7.40	−25.20	1.04	0.77	1.14	1.10	0.94	− 5	−35	−27	+12	−13	+10	− 6	+26	− 9	−25	0	0.61
78879	16 06 06.67	−15 28 06.9	8.71	H	241.527 785 64	−15.468 588 88	4.96	10.68	14.59	1.11	0.82	1.23	1.30	0.92	− 8	−27	−19	− 1	+ 6	+ 8	+13	− 1	−19	− 3	0	−0.67
78880	16 06 07.56	−13 53 26.9	8.03	2 H	241.531 518 99	−13.890 809 87	−0.02	3.53	−16.01	1.18	0.95	1.37	1.35	1.04	−34	− 4	−31	−10	+ 9	−15	+ 5	− 2	−15	−23	0	1.87
78881 H	16 06 09.40	−38 02 18.0	8.03	G	241.539 158 27	−38.038 331 61 A	8.37	−16.16	−31.12	1.10	0.89	1.24	1.18	1.10	−22	+ 2	−20	+18	−29	+ 7	−25	+56	−25	−42	0	−0.52
78882	16 06 09.74	+61 37 31.6	8.44	H	241.540 572 49	+61.625 449 99	3.12	−7.98	5.00	0.57	0.56	0.64	0.53	0.57	+ 2	+12	− 8	−25	−22	− 6	−19	+ 1	−12	−23	0	0.98
78883	16 06 11.36	−10 59 27.9	9.69	G	241.547 348 24	−10.991 077 22	27.34	−30.34	158.07	1.53	1.10	1.63	1.97	1.58	+ 1	− 3	−18	+30	+ 5	+ 3	+ 6	+23	+20	−12	0	−0.07
78884	16 06 13.37	−55 46 38.2	7.91	G	241.555 698 05	−55.777 269 88	4.90	−26.94	−27.75	0.82	0.74	1.04	1.06	1.02	−11	−12	−19	+ 6	−17	− 2	−18	+35	−14	− 8	0	−2.90
78885	16 06 13.49	−19 22 54.2	8.90	H	241.556 190 05	−19.381 733 42	16.08	25.76	−150.77	1.05	0.75	1.10	1.35	0.96	+ 5	−20	−14	+ 7	+ 4	+13	+ 7	+ 4	− 7	+ 5	0	0.28
78886	16 06 13.78	−00 21 59.4	7.41	H	241.557 403 87	−00.366 503 27	6.77	−25.19	−8.15	0.99	0.58	1.13	1.56	1.15	−13	−21	−13	+13	+ 4	−33	− 6	+19	+25	−16	3	2.75
78887	16 06 14.17	+39 44 37.4	9.29	H	241.559 033 19	+39.743 712 74	2.26	13.26	−24.51	0.76	0.76	1.00	0.92	0.82	− 2	+12	− 5	+11	+14	− 4	+10	−11	+ 6	−16	1	0.08
78888	16 06 14.58	+01 42 39.8	7.41	H	241.560 755 05	+01.711 066 32	5.28	−10.59	−18.12	0.82	0.63	1.01	1.12	1.06	−58	−17	− 2	+34	−30	+16	−31	+33	+14	−54	0	−0.67
78889	16 06 14.99	+33 50 33.0	11.27	H	241.562 445 56	+33.842 493 60	15.20	26.12	−198.10	1.46	1.92	2.23	1.83	2.46	+21	− 4	− 9	+10	− 5	−10	− 6	− 6	− 7	+18	0	0.13
78890	16 06 15.31	+19 10 07.3	9.30	H	241.563 799 28	+19.168 692 92	14.24	11.12	−162.54	2.92	3.23	4.20	3.14	4.01	− 1	−14	−19	−31	−38	+13	−26	+27	− 3	−32	0	
78891	16 06 17.38	+62 45 46.0	10.69	2 H	241.572 418 20	+62.762 787 14	3.38	−7.80	7.55	1.05	1.03	1.15	0.97	1.07	+ 1	−11	− 8	−35	− 4	− 7	+ 3	+ 7	− 4	−16	0	−0.73
78892	16 06 19.30	+53 30 55.0	8.35	G	241.580 409 37	+53.515 267 46	13.57	70.20	−93.80	0.67	0.66	0.73	0.85	0.87	+ 2	+17	−13	+20	− 5	+ 4	− 2	+12	+12	+ 4	1	−0.19
78893	16 06 19.73	+67 48 35.9	5.44	G	241.582 216 90	+67.809 981 36	11.92	−35.94	62.65	0.42	0.46	0.48	0.45	0.53	+ 3	−14	+ 0	−11	+ 0	−10	+ 3	−12	−22	+ 1	0	1.20
78894	16 06 19.87	+52 19 06.1	9.03	G	241.582 799 81	+52.318 368 40	4.03	−22.54	−5.25	0.73	0.75	0.82	0.86	0.91	− 3	− 7	− 7	− 6	+ 7	−10	+ 5	− 2	+ 5	+12	0	0.21
78895	16 06 20.68	−00 11 43.0	8.32	H	241.586 151 27	−00.195 287 06	5.37	−17.66	4.46	1.04	0.69	1.24	1.66	1.27	−16	−15	−30	+10	+10	−25	+ 0	+11	+27	−27	0	1.68
78896	16 06 21.19	−67 35 13.4	8.81	H	241.588 289 54	−67.587 068 40	3.27	−2.58	−4.68	0.76	0.86	1.24	0.79	1.01	+ 4	−23	− 3	+ 2	+ 6	− 6	+ 5	+31	+ 3	+ 2	0	−0.30
78897	16 06 22.32	−04 45 15.1	7.94	G	241.593 017 44	−04.754 181 52	13.54	66.36	−11.19	1.36	0.98	1.16	1.40	1.19	−29	−58	+14	+52	−34	−22	−29	+72	+ 6	−34	0	1.36
78898 H	16 06 22.63	+18 30 06.3	10.25	H	241.594 290 89	+18.501 751 41 A	1.78	−23.81	5.51	3.35	2.94	3.85	3.26	3.39	+ 9	−52	− 1	+29	−21	−26	−31	+26	+ 0	− 1	1	−0.02
78899	16 06 22.72	−12 08 22.9	8.80	G	241.594 678 46	−12.139 694 65	9.59	−84.74	−12.78	1.23	0.87	1.27	1.22	1.10	+ 2	−48	−19	+22	−12	+ 4	−12

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
78801	11.234	0.068	9.372	0.023		1.548	0.057	T	1.61	0.12	L	9.2740	0.0022	0.020	86		9.25	9.30		C			1 S							
78802	10.016	0.025	8.410	0.013		1.345	0.022	T	1.31	0.03	L	8.4324	0.0020	0.016	100		8.41	8.46					1							S
78803	9.727	0.024	7.509	0.009		1.890	0.015	G	2.61	0.02	A	7.2216	0.0056	0.046	90		7.12	7.28		U 2 C			1 S							S
78804	10.596	0.025	9.290	0.014		1.110	0.022	T	1.07	0.02	L	9.3178	0.0019	0.030	236		9.26	9.37					1 S							
78805	9.822	0.021	9.193	0.019		0.585	0.025	T	0.66	0.02	L	9.2300	0.0024	0.017	93		9.20	9.26		C			1 G							
78806	10.746	0.032	9.155	0.015		1.334	0.028	T	1.30	0.03	L	9.1674	0.0018	0.021	135		9.13	9.20		C			1							
78807	8.549	0.012	7.593	0.009		0.840	0.015	G	0.86	0.01	H	7.6481	0.0014	0.013	88		7.63	7.67		C			1							S
78808	11.092	0.069	10.477	0.067	A						T *	10.2423	0.0067	0.082	95	–	10.18	10.46		U 2	16053–4930	I 1	3 C A							G G
78809	7.714	0.011	7.647	0.012		0.084	0.015	G	0.10	0.02	H	7.6855	0.0018	0.012	56		7.67	7.71					1 S							S
78810	10.184	0.032	8.220	0.012		1.664	0.028	T	2.69	0.04	O	7.9474	0.0045	0.035	88		7.89	8.02		U 2			1 S							
78811	10.564	0.037	9.971	0.034		0.563	0.007	G	0.64	0.01	H	9.9861	0.0020	0.024	108		9.95	10.02					1							
78812	8.675	0.011	8.363	0.012	*	0.275	0.003	G	0.31	0.00	H *	8.3848	0.0019	0.014	104	*	8.36	8.41		D	16054+5810	I 1	2 C A	AB	12	0.677	0.007	2.33	0.05	S
78813	9.239	0.017	7.772	0.009		1.236	0.015	T	1.19	0.01	L	7.7692	0.0016	0.013	95		7.75	7.79		C			1							S
78814	10.537	0.032	9.943	0.031		0.554	0.039	T	0.63	0.04	L	10.0372	0.0024	0.029	119		9.98	10.10					1							
78815	9.293	0.013	7.681	0.007		1.350	0.012	T	1.32	0.01	L	7.6881	0.0013	0.014	151		7.67	7.71		C			1							S
78816	9.726	0.018	8.436	0.011		1.097	0.016	T	1.06	0.02	L	8.5024	0.0014	0.013	122		8.48	8.53					1							
78817	7.370	0.007	7.096	0.008		0.251	0.001	G	0.28	0.00	H	7.1380	0.0009	0.008	82		7.12	7.15		C			1 G							S
78818	10.447	0.032	9.070	0.018		1.165	0.029	T	1.13	0.03	L	9.1080	0.0017	0.016	91		9.08	9.13		C			1							
78819	10.540	0.028	9.022	0.014		1.276	0.025	T	1.24	0.03	L	9.0514	0.0018	0.015	132		9.03	9.08					1							
78820	2.528	0.004	2.608	0.004	A	−0.065	0.023	G	−0.04	0.02	A	2.5940	0.0096	0.026	64	A	2.57	2.65		D	16054–1948	I 2	1 C P A							S
78821	4.794	0.006	4.831	0.008	C	−0.024	0.008	G	0.00	0.01	H	4.9235	0.0733			C				D	16054–1948	I 2	1 C I A							S
78822	8.330	0.009	7.888	0.010		0.453	0.010	G	0.52	0.01	H	7.9541	0.0013	0.010	92		7.94	7.97		C			1							S
78823	9.102	0.012	7.656	0.007		1.219	0.011	T	1.18	0.01	L	7.6935	0.0014	0.015	130		7.67	7.72		C			1							S
78824	11.239	0.045	9.503	0.016		1.448	0.038	T	1.45	0.06	L	9.4644	0.0024	0.035	240		9.41	9.52		R			1 S							
78825	9.298	0.015	8.600	0.013		0.631	0.015	T	0.70	0.01	L	8.6064	0.0014	0.014	119		8.58	8.63		D			1 G							
78826	8.297	0.009	8.028	0.010		0.256	0.013	T	0.29	0.02	L	8.0888	0.0012	0.012	108		8.07	8.11					1							S
78827	8.463	0.010	8.047	0.010		0.407	0.012	T	0.47	0.01	L	8.0964	0.0011	0.010	98		8.08	8.11		C			1							S
78828	10.833	0.045	9.611	0.025		1.044	0.040	T	1.01	0.03	L	9.6699	0.0022	0.025	136		9.62	9.71		C			1							
78829	7.995	0.007	7.718	0.008		0.264	0.010	T	0.30	0.01	L	7.7650	0.0012	0.014	159		7.75	7.79					1							S
78830	9.610	0.024	9.029	0.023		0.520	0.015	G	0.59	0.02	H	9.0623	0.0015	0.016	89		9.03	9.09			16055–3214	I 1	1 S							
78831	9.388	0.016	8.819	0.015		0.536	0.016	T	0.61	0.02	L	8.8684	0.0020	0.015	97		8.84	8.90		C			1							
78832	10.898	0.047	9.070	0.019		1.521	0.040	T	1.56	0.06	L	8.9911	0.0029	0.024	94		8.95	9.04					1							
78833	9.499	0.023	8.763	0.019		0.674	0.024	T	0.73	0.02	L	8.8195	0.0029	0.024	62		8.78	8.87		C			1							
78834	10.059	0.024	8.583	0.013		1.280	0.015	G	1.24	0.02	H	8.5993	0.0020	0.017	106		8.57	8.63					1							
78835	11.374	0.074	10.763	0.072		0.567	0.076	T	0.64	0.07	L	10.7717	0.0037	0.030	114		10.73	10.84		C			1							G
78836	10.566	0.057	9.817	0.043		0.670	0.054	T	0.73	0.04	L	9.9168	0.0038	0.018	59		9.88	9.95					1							
78837	9.503	0.018	8.292	0.012		1.036	0.017	T	1.01	0.01	L	8.3602	0.0016	0.014	107		8.33	8.39					1							
78838	10.357	0.048	9.701	0.043		0.652	0.015	G	0.72	0.01	H	9.7783	0.0033	0.020	55		9.74	9.81		C			1							
78839	7.908	0.009	7.307	0.007		0.593	0.009	G	0.66	0.01	H	7.3591	0.0012	0.010	104		7.34	7.37		C			1							S
78840	6.386	0.004	6.280	0.005		0.084	0.002	G	0.12	0.03	C	6.3130	0.0010	0.006	67		6.30	6.32					1							S
78841	10.563	0.054	9.935	0.047		0.584	0.062	T	0.66	0.06	L	9.9998	0.0043	0.028	55		9.96	10.07		C			1							
78842	8.979	0.015	8.053	0.011	–	0.818	0.003	G	0.84	0.00	R *	7.9874	0.0013	0.014	106	–	7.97	8.02		D	16057–3252	I 1	3 C B							G
78843	8.760	0.016	7.507	0.010		1.043	0.016	G	1.13	0.00	A	7.5288	0.0012	0.008	66		7.52	7.54		C			1							S
78844	10.323	0.025	8.517	0.010		1.534	0.022	T	2.52	0.04	O	8.2965	0.0041	0.035	172		8.23	8.36		U 2			1							
78845	10.244	0.027	9.307	0.020		0.827	0.025	T	0.85	0.02	L	9.3926	0.0023	0.022	119		9.36	9.44					1							
78846	9.441	0.022	9.217	0.025		0.170	0.020	G	0.19	0.02	H	9.2691	0.0019	0.018	70		9.24	9.31		C			1							
78847	7.998	0.011	7.809	0.011		0.173	0.015	T	0.19	0.01	L	7.8433	0.0013	0.010	58		7.83	7.85		C			1							S
78848	7.567	0.004	7.693	0.006		−0.113	0.002	G	−0.10	0.00	H	7.6780	0.0007	0.011	271		7.66	7.70					1							S
78849	6.846	0.004	6.408	0.005	*	0.413	0.006	T	0.48	0.01	L *	6.4466	0.0007	0.006	90	*	6.44	6.46		D	16057–0618	I 1	2 C A	AB	104	1.001	0.009	2.42	0.03	S
78850	9.489	0.017	8.355	0.011		0.976	0.016	T	0.96	0.01	L	8.3909	0.0013	0.012	93		8.37	8.42					1 G							
78851	8.711	0.009	6.879	0.004		1.524	0.008	T	1.56	0.01	L	6.8346	0.0012	0.014	167		6.81	6.86					1							S
78852	10.719	0.057	9.736	0.039		0.862	0.051	T	0.87	0.04	L	9.7345	0.0031	0.016	49		9.69	9.76		C			1							
78853	8.142	0.010	7.918	0.013	A						T *	7.8899	0.0017	0.013	90	*	7.87	7.91		D	16058–3951	I 1	2 C A	AB	270	1.951	0.009	2.19	0.04	S
78854	8.497	0.010	7.490	0.008		0.870	0.015	G	0.88	0.01	H	7.5446	0.0009	0.012	116		7.52	7.56					1							S
78855	7.843	0.006	7.677	0.008		0.159	0.009	T	0.18	0.01	L	7.7311	0.0013	0.012	106		7.71	7.75					1							S
78856	9.495	0.019	9.289	0.022		0.197	0.027	T	0.22	0.03	L	9.3879	0.0022	0.020	108		9.34	9.44					1							
78857	10.687	0.046	9.640	0.029		0.909	0.041	T	0.91	0.03	L	9.7100	0.0027	0.026	106		9.67	9.75		C			1 X							
78858	6.966	0.007	6.926	0.008		0.042	0.010	T	0.06	0.01	L	6.9547	0.0013	0.006	56		6.94	6.97		C			1							S
78859	8.720	0.012	8.109	0.011		0.569	0.014	T	0.64	0.01	L	8.1621	0.0014	0.015	136		8.13	8.19		C			1							S
78860	10.564	0.042	8.540	0.015		1.677	0.036	T	1.70	0.04	L	8.4774	0.0019	0.015	80		8.45	8.50		C			1							
78861	10.801	0.046	9.149	0.019		1.382	0.039	T	1.35	0.05	L	9.0915	0.0025	0.020	112		9.06	9.13					1							
78862	9.794	0.020	8.622	0.013		1.005	0.019	T	0.98	0.01	L	8.6763	0.0016	0.016	121		8.65	8.71		C			1							
78863	8.873	0.014	8.733	0.017		0.185	0.015	G	0.20	0.02	H	8.7604	0.0024	0.018	82		8.73	8.79					1							
78864	9.398	0.020	8.442	0.015	*	0.803	0.018	G	0.84	0.02	H *	8.4877	0.0044	0.033	67	*	8.45	8.55		U 2	16058+1041	M 1	2 C A	AC	351	0.231	0.011	1.20	0.20	
78865	11.116	0.063	10.258	0.046		0.753	0.060	T	0.79	0.06	L	10.3587	0.0035	0.029	94		10.30	10.41					1							G
78866	8.295	0.009	7.867	0.009		0.412	0.003	G	0.48	0.00	H	7.9200	0.0010	0.012	126		7.90	7.95		D			1							S
78867	8.789	0.010	8.305	0.010		0.483	0.007	G	0.55	0.01	H	8.3525	0.0016	0.017	130		8.33	8.39					1							S
78868	7.210	0.004	5.822	0.002		1.169	0.002	G	1.13	0.00	H	5.8674	0.0006	0.008	182		5.86	5.89					1							S
78869	10.182	0.025	8.870	0.015		1.114	0.023	T	1.08	0.02	L	8.9327	0.0021	0.018	98		8.90	8.96		C			1							
78870	7.701	0.007	6.508	0.005		1.034	0.005	G	1.01	0.00	H	6.5414	0.0010	0.007	87		6.53	6.55			16060–0608	I 1	1 G							S
78871	9.836	0.022	9.105	0.019		0.670	0.023	T	0.73	0.02	L	9.1740	0.0018	0.021	97		9.13	9.20					1							
78872	12.113	0.213	10.567	0.096		1.320	0.193	T	2.32	0.64	K	9.8411	0.0633	0.482	51		9.04	10.74	350.00	P 1 B			1 G							G P
78873	9.266	0.020	8.067	0.013		1.026	0.019	T	1.00	0.02	L	8.1684	0.0018	0.012	54		8.15	8.19		C	16061+1319	I 2	1							
78874	9.368	0.023	8.038	0.014		1.202	0.015	G	1.16	0.01	H	8.0528	0.0015	0.010	57		8.04	8.07		C			1							S
78875	8.047	0.011	6.888	0.009		0.995	0.011	T	0.97	0.01	L	6.9602	0.0011	0.008	52		6.95	6.97		C	16061+1319	I 2	1							S
78876	8.679	0.011	7.215	0.007		1.234	0.010	T	1.19	0.01	L	7.2428	0.0008	0.008	117		7.23	7.26					1							S
78877	5.803	0.004	5.886	0.004		−0.071	0.005	T	−0.05	0.01	L	5.8832	0.0027	0.013	57		5.86	5.90	1.49	P 1 A			1 G							S
78878	9.192	0.019	8.545	0.017		0.593	0.004	G	0.66	0.00	H	8.5805	0.0019	0.011	59		8.56	8.60					1							
78879	10.184	0.030	8.813	0.017		1.161	0.027	T	1.12	0.02	L	8.8780	0.0018	0.014	54		8.85	8.91		C			1							
78880	10.412	0.055	8.250	0.019		1.787	0.047	T	1.81	0.05	L	8.1240	0.0086	0.035	41		8.08	8.19		U 2			1							
78881	8.665	0.011	8.169	0.011	A	0.523	0.015	G	0.60	0.02	H *	8.1606	0.0014	0.012	112	*	8.13	8.19		D	16062–3802	I 1	2 C A	AB	301	1.223	0.009	2.25	0.04	S
78882	8.494	0.010	8.447	0.012		0.048	0.014	T	0.06	0.01	L	8.4622	0.0014	0.012	108		8.44	8.49		C			1							S
78883	10.889	0.074	9.652	0.042		0.980	0.015	G	1.02	0.01	I	9.7984	0.0036	0.021	48		9.75	9.84		C			1							
78884	10.023	0.032	8.074	0.012		1.570	0.015	G	1.70	0.03	C	8.0056	0.0017	0.012	88		7.98	8.03		C			1							
78885	9.834	0.032	8.976	0.025		0.753	0.031	T	0.80	0.02	L	9.0379	0.0021	0.014	54		9.01	9.06		C			1							
78886	8.702	0.012	7.534	0.008		1.002	0.011	T	0.98	0.01	L	7.5783	0.0012	0.009	77		7.56	7.60		C			1							S
78887	10.561	0.040	9.425	0.025		0.977	0.037	T	0.96	0.03	L	9.4549	0.0023	0.024	122		9.42	9.51					1							
78888	8.654	0.009	7.520	0.006		0.976	0.008	T	0.96	0.01	L	7.5740	0.0012	0.012	115		7.56	7.59					1							S
78889	12.471	0.238	11.146	0.112		1.125	0.206	T	1.09	0.21	L	11.4427	0.0055	0.057	130		11.34	11.54					1							G
78890	10.189	0.022	9.374	0.018		0.720	0.022	T	0.77	0.02	L	9.4354	0.0025	0.022	124		9.39	9.48					1 X							
78891	11.024	0.058	10.859	0.088		0.158	0.099	T	0.17	0.10	L	10.7422	0.0396	0.235	97		10.61	11.15	0.58	P 1 A			1							G
78892	9.083	0.013	8.435	0.012		0.580	0.015	G	0.65	0.01	H	8.4780	0.0015	0.016	93		8.45	8.51		C			1							S
78893	5.406	0.003	5.436	0.003		−0.019	0.002	G	0.00	0.00	H	5.4396	0.0006	0.005	125		5.43	5.45		C			1							S
78894	9.288	0.016	9.006	0.018		0.230	0.015	G	0.26	0.02	H	9.0953	0.0026	0.019	103		9.07	9.14					1							
78895	9.702	0.021	8.438	0.013		1.077	0.019	T	1.04	0.02	L	8.4845	0.0018	0.012	78		8.46	8.51		C			1							
78896	10.126	0.022	8.922	0.014		1.030	0.020	T	1.00	0.02	L	8.9817	0.0020	0.024	155		8.95	9.03					1							
78897	8.443	0.008	7.986	0.009		0.442	0.023	G	0.51	0.02	H	8.0407	0.0015	0.012	116		8.02	8.06					1 G							S
78898	10.824	0.053	10.249	0.050	A	0.600	0.495	G	0.63	0.07	B *	10.3688	0.0036	0.032	89	*	10.30	10.41		D	16064+1830	I 1	2 C C	AB	262	1.478	0.060	2.44	0.14	
78899	9.549	0.024	8.829	0.020		0.620	0.015	G	0.69	0.01	H	8.9144	0.0029	0.018	58		8.87	8.94		C			1							
78900	10.028	0.021	9.568	0.022		0.434	0.028	T	0.50	0.03	L	9.5828	0.0025	0.022	150		9.54	9.63					1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)																						Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	$\alpha*$	π	$\alpha*$	δ	$\alpha*$	δ	π	$\mu_{\alpha*}$					F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr																						%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28											29	30
78901	16 06 23.15	+05 24 45.5	7.39	G	241.596 451 90	+05.412 626 30		7.70	−41.98	16.32	1.05	0.90	1.04	1.38	1.53	−56	−29	−11	+61	−53	− 5	−50	+64	+ 3	−73											0	1.12
78902	16 06 23.77	−02 33 53.9	10.41	H	241.599 057 23	−02.564 972 08		11.83	− 5.24	−60.36	2.00	1.29	1.94	2.63	2.68	−60	−36	+13	+39	−47	+ 3	−40	+62	+ 1	−70											0	−0.41
78903	16 06 24.07	+09 17 07.6	9.16	H	241.600 303 01	+09.285 455 78		4.96	− 3.10	−49.43	1.13	1.07	1.45	1.30	1.56	−34	−25	−26	+12	+ 8	+ 1	+10	−11	−22	−54											0	0.41
78904	16 06 25.76	−24 56 11.2	8.41	H	241.607 328 97	−24.936 442 74		3.33	−15.41	−10.83	0.96	0.71	1.17	1.07	0.94	−21	−17	−32	− 1	− 8	+ 9	+ 6	+28	−28	−51											0	−2.25
78905	16 06 25.90	+06 11 39.2	9.67	G	241.607 904 80	+06.194 210 30		4.16	−22.27	−10.70	1.49	1.21	1.77	1.93	1.84	−44	−22	−26	+46	−26	+ 6	−24	+33	+ 2	−59											0	0.63
78906	16 06 26.05	+29 54 16.7	7.65	H	241.608 525 27	+29.904 645 96		4.51	−77.39	− 7.22	0.44	0.57	0.79	0.48	0.68	+ 9	− 9	− 5	− 2	+11	−20	+13	+ 2	+ 2	− 9											1	1.55
78907	16 06 26.74	−73 41 36.6	11.20	H	241.611 408 93	−73.693 489 57		0.45	− 3.65	0.81	1.40	1.68	2.11	1.66	2.17	+25	− 7	− 7	− 7	−10	− 5	−10	+11	+ 0	+15											0	−2.63
78908	16 06 27.07	+57 35 37.1	8.41	H	241.612 793 44	+57.593 631 50		5.68	−19.85	29.05	0.73	0.64	0.73	0.84	0.76	+ 5	−13	− 5	+ 0	− 7	− 4	− 9	+ 4	+ 6	+17											0	−0.07
78909	16 06 27.43	−63 20 28.0	7.54	H	241.614 304 76	−63.341 110 10		6.63	−26.44	−28.11	0.57	0.68	0.94	0.69	0.83	−11	−15	−20	+ 0	− 9	−22	−10	+19	+ 0	−33											0	−0.47
78910 H	16 06 28.08	−31 20 33.1	9.34	H	241.617 019 00	−31.342 523 52	A	3.40	−18.98	−28.05	4.76	2.81	3.50	5.50	3.24	−38	−21	+ 0	+18	+ 2	+ 2	− 3	+31	− 5	+ 7											0	0.26
78911	16 06 28.14	+56 04 10.9	8.08	H	241.617 233 57	+56.069 696 22		7.35	−21.05	7.01	0.57	0.61	0.65	0.69	0.76	+ 2	+ 9	−21	+17	+ 1	+13	+ 4	+18	− 6	− 5											0	−1.34
78912	16 06 29.27	−27 42 31.0	9.43	H	241.621 957 37	−27.708 605 80		6.81	−13.78	−40.86	1.26	0.89	1.43	1.64	1.40	−41	−19	− 4	+28	− 4	+12	+ 2	+47	−32	−24											0	−1.53
*78913	16 06 29.43	+38 38 00.8	8.58	H	241.622 606 18	+38.633 542 79		42.57	232.43	−536.06	0.66	0.70	0.86	0.67	0.73	+ 8	+ 7	−15	−23	− 8	+ 2	− 9	−29	+ 7	− 4											0	−1.69
*78914	16 06 29.42	−45 10 23.8	4.73	H	241.622 598 40	−45.173 275 17		26.41	17.47	37.03	0.59	0.47	0.80	0.66	0.61	−22	−36	−11	+ 9	− 9	+22	− 2	+25	− 6	−41											2	−0.28
78915 H	16 06 30.93	−40 27 00.5	7.22	G	241.628 865 26	−40.450 144 79	*	9.64	− 2.14	− 7.13	1.10	1.13	1.04	1.07	1.06	−41	−18	−14	+38	−42	−10	−37	+63	−14	−60											1	−0.43
78916	16 06 31.37	+22 53 00.2	8.73	H	241.630 693 48	+22.883 388 88		12.58	−97.90	89.24	0.82	0.79	1.15	1.05	1.12	+29	−24	+ 3	−53	−43	+12	−44	− 4	+ 3	+23											0	0.71
78917	16 06 31.52	−14 18 43.0	8.08	G	241.631 339 90	−14.311 954 74		11.14	−159.90	−116.03	1.12	0.84	1.31	1.38	0.94	− 5	−15	−44	+ 1	+ 5	− 3	+ 3	+ 3	+ 1	+ 1											0	1.94
78918	16 06 35.56	−36 48 08.0	4.22	H	241.648 151 29	−36.802 212 97	+	7.94	−15.84	−31.06	0.63	0.74	0.83	1.14	1.04	+ 1	−39	−31	−11	−48	+25	+10	+29	−26	−72											0	0.81
78919	16 06 39.01	−26 25 01.6	9.28	2 H	241.662 533 35	−26.417 099 75		4.43	−13.19	− 6.18	1.29	0.87	1.45	1.45	1.36	−44	−23	+ 2	+ 1	− 5	− 2	+ 5	+33	− 9	−49											0	1.26
78920	16 06 39.55	−22 53 42.6	9.32	H	241.664 783 92	−22.895 179 29		9.86	9.12	39.43	1.29	0.85	1.29	1.58	1.15	+21	−19	−11	+ 2	− 1	− 1	+ 3	+ 6	−22	+12											0	0.97
78921	16 06 40.00	+47 30 12.7	9.90	G	241.666 657 42	+47.503 531 19		27.48	17.36	88.16	1.00	1.00	1.15	1.25	1.16	+16	−19	−16	− 4	− 2	− 9	− 2	+17	− 8	+16											0	2.25
78922	16 06 40.07	−43 10 14.7	9.05	H	241.666 938 17	−43.170 759 15		3.04	8.22	42.31	1.09	0.79	1.34	1.25	0.95	−13	−22	−26	− 4	+ 2	−15	+ 0	+21	− 7	−20											0	−0.59
78923	16 06 40.22	+34 06 08.9	8.55	G	241.667 564 33	+34.102 476 27		21.24	−300.26	184.31	0.71	0.81	1.01	0.76	0.99	+14	−13	+ 7	− 6	− 1	− 9	+ 0	− 2	− 3	+15											0	−0.19
78924	16 06 41.50	+08 23 17.4	11.57	G	241.672 927 05	+08.388 178 80		21.39	−495.47	98.99	5.34	3.61	5.30	6.67	4.81	+ 8	−23	−34	+53	+20	− 2	+19	− 6	−29	− 8											6	0.76
*78925	16 06 41.89	+02 19 25.3	9.52	2 H	241.674 548 09	+02.323 704 94		−1.12	3.78	−11.17	1.30	0.97	1.50	1.72	1.44	−42	−24	+14	+31	−23	− 8	−26	+32	+15	−23											0	−1.13
*78926	16 06 43.11	−49 55 05.6	8.84	H	241.679 633 51	−49.918 210 03		9.87	20.76	4.13	1.10	0.75	1.45	1.31	1.07	+10	−30	−19	+ 9	+ 6	− 8	+14	+34	−35	+12											0	−1.43
*78927	16 06 44.61	+68 56 22.1	8.96	H	241.685 860 19	+68.939 485 31		0.43	−29.76	29.37	0.71	0.82	0.79	0.84	0.97	+14	+ 0	−20	−16	−12	+ 2	−15	−28	− 8	− 2											0	−0.16
*78928	16 06 45.09	−64 33 41.7	7.11	H	241.687 861 29	−64.561 576 66		2.25	− 3.63	− 5.60	0.46	0.53	0.80	0.60	0.71	+ 6	− 2	− 9	− 6	+15	−22	+15	+11	− 9	+ 6											0	0.57
*78929 H	16 06 45.13	−71 53 12.0	8.41	H	241.688 021 12	−71.886 673 59	A	4.59	8.34	1.54	0.98	1.18	1.49	0.96	1.39	+19	−13	−15	− 9	+11	+ 9	+ 8	+ 5	+ 9	+31											1	0.44
*78930	16 06 45.25	−46 22 44.7	8.10	G	241.688 556 66	−46.379 070 61		8.99	15.22	−21.89	0.76	0.56	0.91	0.79	0.72	− 2	−31	−25	− 2	−12	+ 3	− 2	+25	−19	−30											2	−1.37
*78931	16 06 41.88	+34 37 33.0	10.44	G	241.674 505 42	+34.625 829 67		22.91	223.71	−586.10	3.25	3.21	2.44	2.77	3.49	+36	+21	− 7	−86	−27	−17	−21	−81	+12	+16											0	0.48
78932	16 06 46.61	−09 30 56.2	9.63	G	241.694 205 66	−09.515 606 36		4.05	−13.39	5.52	1.53	1.15	1.60	1.88	1.53	− 5	−18	−33	+35	+31	− 5	+26	− 2	+11	−31											0	−0.14
78933	16 06 48.43	−20 40 08.9	3.93	H	241.701 801 97	−20.669 134 79		7.70	−10.55	−23.73	0.77	0.54	0.87	0.82	0.63	− 9	−42	−16	+15	− 5	+24	+ 7	+27	−19	−21											0	0.83
78934	16 06 48.73	+32 10 20.1	9.79	H	241.703 027 18	+32.172 252 33		2.94	− 7.68	−17.08	0.82	1.01	1.29	0.96	1.39	+ 9	− 9	− 1	+19	− 2	− 8	+ 0	+18	−20	−14											1	0.76
78935	16 06 50.03	−44 53 06.2	8.77	H	241.708 463 29	−44.885 048 53		7.12	− 5.08	3.96	1.00	0.70	1.17	1.07	0.86	− 4	−34	−13	+13	− 7	− 1	− 3	+35	− 1	−22											2	1.46
78936	16 06 50.44	+16 21 09.1	7.85	H	241.710 163 78	+16.352 539 73		9.63	21.00	−46.82	0.75	0.57	0.88	0.76	0.70	+ 1	−31	−14	+32	−24	− 7	−28	+41	− 6	+ 5											0	1.08
78937	16 06 51.41	−21 51 49.8	7.84	2 H	241.714 204 38	−21.863 827 00		11.08	39.32	− 2.63	0.97	0.71	1.07	1.14	0.84	+ 6	−17	−27	+10	− 5	+18	+ 3	+12	−18	− 6											0	−0.09
78938	16 06 51.87	−48 26 24.9	9.46	H	241.716 145 33	−48.440 261 57		9.20	7.16	18.36	1.10	0.84	1.41	1.30	1.21	+ 0	−23	−18	+ 2	−14	+ 8	− 5	+26	−26	−19											0	1.22
78939	16 06 51.97	+07 38 28.9	8.99	H	241.716 547 26	+07.641 373 49		8.56	17.12	−45.84	1.21	1.13	1.70	1.42	1.26	− 4	−28	−57	+31	−14	+11	− 1	+27	−25	−27											0	−0.34
78940	16 06 52.17	−71 11 32.3	11.58	H	241.717 391 47	−71.192 305 27		−1.02	1.82	4.68	2.15	2.48	3.58	2.29	2.94	+16	−20	+ 2	−11	+ 1	+ 3	+ 0	+ 1	+ 6	+19											1	
78941	16 06 53.11	−16 08 45.6	8.07	H	241.721 296 27	−16.145 988 78		7.90	− 1.22	− 8.48	0.99	0.71	1.12	1.02	0.75	+ 4	−32	−36	+20	+ 1	+20	+12	+21	−14	−14											0	−0.97
78942	16 06 57.33	+55 26 13.5	8.35	H	241.738 861 27	+55.437 085 08		3.71	−10.44	6.41	0.60	0.62	0.66	0.66	0.70	+12	−12	−29	+14	+23	−11	+22	+10	− 1	+17											0	1.66
78943	16 06 57.96	−27 43 09.6	8.19	G	241.741 507 76	−27.719 319 67		3.96	− 6.70	−29.21	1.51	1.20	1.49	1.69	1.35	−30	−50	+ 8	+54	−31	−27	−22	+65	− 6	−40											0	0.28
78944	16 06 58.25	−36 23 36.5	8.70	H	241.742 690 97	−36.393 463 09		7.52	−40.40	− 6.64	1.09	0.67	1.31	1.55	1.04	+11	−10	−28	+28	+17	− 5	+18	+44	−16	+12											0	1.36
78945	16 06 58.31	−03 15 09.6	8.83	H	241.742 966 63	−03.252 661 88		4.34	−15.76	−12.05	1.44	0.87	1.27	2.05	1.87	−62	−13	+ 8	+46	−45	+ 2	−46	+68	+ 1	−58											0	−1.40
78946	16 06 59.57	+47 30 18.1	6.65	H	241.748 217 20	+47.505 023 20		4.27	− 7.12	7.92	0.50	0.51	0.58	0.64	0.62	+18	− 3	− 7	− 6	− 3	−19	− 4	+11	−13	+23											0	−1.57
78947	16 06 59.75	−22 58 36.5	9.16	H	241.748 974 97	−22.976 799 68		26.60	44.03	−176.49	1.28	0.86	1.37	1.70	1.20	+10	−13	− 3	+ 5	+ 6	− 6	+10	+ 3	−33	+23											0	1.82
78948	16 07 00.82	−86 09 38.0	9.52	H	241.753 419 50	−86.160 557 36		7.30	3.84	11.84	0.71	0.82	0.92	0.77	0.94	+ 1	− 2	+28	−23	− 2	−13	+ 2	−27	−24	+ 6											0	−0.24
78949	16 07 01.12	−03 52 40.1	7.43	2 H	241.754 666 02	−03.877 792 50		2.25	−16.61	−16.91	1.02	0.61	0.95	1.25	0.99	−42	−17	+ 4	+34	−21	+20	−30	+59	−10	−14											0	−0.18
78950	16 07 01.34	+24 25 31.1	8.92	G	241.755 570 28	+24.425 308 55		5.24	− 5.07	− 6.80	0.58	0.77	1.29	0.74	1.09	+13	− 4	− 9	+20	− 1	− 4	+ 0	+ 9	−12	+17											1	−1.23
78951	16 07 01.67	−62 45 45.6	7.70	H	241.756 964 52	−62.762 658 22		4.02	− 4.10	− 9.83	0.56	0.67	0.88	0.68	0.85	−23	−13	− 5	+10	−16	−14	−16	+43	− 3	−26											3	0.02
78952	16 07 01.91	−29 49 39.1	9.85	H	241.757 947 39	−29.827 525 64		12.05	−51.12	−111.25	1.32	0.90	1.56	1.60	1.27	−23	−22	−19	− 7	+ 5	+ 7	+14	+25	−29	−32											0	1.21
78953	16 07 02.48	+69 36 21.3	10.42	H	241.760 327 61	+69.605 924 95		0.52	−14.12	− 4.07	1.04	1.12	1.15	1.12	1.34	+ 9	− 3	−27	−13	−11	+12	− 8	− 5	− 5	−14											1	−0.27
78954	16 07 02.92	+23 24 45.2	10.19	H	241.762 150 01	+23.412 568 40		3.32	− 2.19	−10.37	0.65	0.83	1.51	0.78	1.12	+12	− 6	+ 3	−12	−13	− 6	−14	+ 0	− 9	+12											2	1.26
78955	16 07 03.53	−14 04 16.8	6.32	G	241.764 695 12	−14.071 320 20		34.60	−261.22	11.77	0.91	0.68	1.00	1.08	0.77	−14	−25	−21	+ 6	− 9	− 5	− 8	+17	−15	+ 4											3	2.68
78956	16 07 04.68	−16 56 35.6	7.88	H	241.769 500 50	−16.943 217 66		5.85	− 9.82	−19.18	0.89	0.63	1.00	0.98	0.76	−17	−41	−14	− 1	− 7	+17	+ 1	+12	−13	−21											0	0.62
78957 H	16 07 07.91	+16 53 37.7	8.60	H	241.782 975 59	+16.893 819 31	A	7.37	−13.02	−12.57	2.72	1.77	2.47	2.80	2.06	− 8	−23	−22	+48	−29	+ 7	−27	+45	− 3	+ 2											0	1.32
78958	16 07 08.18	+49 04 59.2	7.62	H	241.784 074 71	+49.083 097 29		9.75	−13.94	− 2.87	0.54	0.54	0.61	0.60	0.60	− 1	+ 6	+ 1	−13	+ 5	− 6	+ 6	+13	− 6	− 5											0	0.57
78959	16 07 08.67	+32 22 46.5	9.27	2 H	241.786 117 75	+32.379 576 26		3.49	−14.23	4.79	0.81	0.94	1.23	0.86	1.22	− 4	−11	− 4	+ 9	− 2	− 3	+ 6	+26	−29	−26											0	0.58
78960	16 07 08.92	+62 43 19.8	8.79	H	241.787 154 80	+62.722 156 08		8.24	−22.87	−33.95	0.74	0.71	0.78	0.66	0.72	+12	−10	− 7	−40	−13	− 1	− 4	+ 8	− 4	− 9											0	0.11
78961	16 07 10.02	+28 37 27.8	9.42	H	241.791 748 34	+28.624 388 84		1.56	3.85	− 3.49	0.74	0.97	1.35	0.76	1.18	+ 5	− 9	+ 4	+10	+22	− 2	+26	+ 3	− 8	+ 4											1	1.08
78962	16 07 12.21	−76 15 21.2	7.45	H	241.800 857 70	−76.255 896 70		3.89	−18.78	−10.90	0.49	0.56	0.71	0.54	0.66	+ 3	−22	+13	− 3	−20	−18	−17	+19	− 2	+ 2											0	−0.30
78963	16 07 12.68	−27 05 57.9	8.53	H	241.802 837 32	−27.099 430 48		5.91	−13.01	−16.35	1.12	0.73	1.31	1.24	1.09	−56	−37	+ 7	+ 4	+ 0	−21	+ 8	+31	−20	−40											0	−1.16
78964	16 07 13.24	−45 20 46.3	7.38	H	241.805 149 00	−45.346 200 59		1.15	− 2.57	− 6.09	0.73	0.52	0.91	0.71	0.64	−10	−40	−15	+ 9	− 8	−10	+ 0	+29	−14	−30											2	1.18
78965	16 07 13.32	−10 19 28.4	9.74	H	241.805 516 71	−10.324 559 95		4.32	−32.05	−28.79	1.56	1.17	1.90	1.95	1.63	−13	−18	−30	+15	+17	+ 7	+14	− 9	+32	−24											0	1.30
78966	16 07 13.54	−42 04 10.4	7.18	G	241.806 415 11	−42.069 561 45		4.37	− 5.26	−20.97	0.81	0.64	1.02	1.14	0.90	−12	− 2	−22	+19	+17	+ 3	+19	+30	+ 0	−15											0	−0.13
78967 H	16 07 14.00	+46 13 22.0	8.74	H	241.808 331 48	+46.222 781 47	*	1.25	− 4.32	−17.21	0.73	0.73	0.81	0.87	0.88	+14	− 9	−12	+29	+ 7	+15	+11	+41	− 6	− 2											0	−1.26
78968	16 07 14.93	−17 56 09.5	7.77	H	241.812 221 76	−17.935 983 66		6.27	− 6.68	−21.57	0.95	0.66	1.04	1.07	0.81	−10	−40	−17	+ 8	−12	+ 5	−14	+23	+ 6	−14											0	1.15
78969	16 07 15.31	−14 23 34.1	10.79	H	241.813 786 68	−14.392 795 12		12.11	−62.17	−131.46	2.27	1.82	2.58	2.54	1.98	−38	+ 2	−25	−10	+ 4	−17	− 2	+ 5	−14	−24											0	−2.26
78970	16 07 16.17	−36 45 19.9	5.72	G	241.817 394 81	−36.755 538 87		19.22	52.54	−56.45	1.66	1.07	2.00	1.86	1.55	− 8	−29	−16	− 3	− 1	− 9	+ 7	+26	− 8	−31											0	
78971	16 07 16.27	−07 42 05.8	9.18	G	241.817 777 72	−07.701 612 72		6.45	−30.68	− 9.78	1.29	0.94	1.34	1.40	1.24	− 4	−36	− 1	+25	+17	+ 2	+17	+20	+ 3	−18											0	1.23
78972	16 07 17.11	−01 37 31.1	8.95	H	241.821 287 48	−01.625 297 99		1.61	−22.45	8.18	1.28	0.76	1.36	1.64	1.72	−19	−13	+16	+45	− 9	−16	+ 3	+44	+41	−44											0	−0.09
78973	16 07 17.33	−33 42 31.9	7.94	H	241.822 194 40	−33.708 868 64		6.51	6.52	−18.08	0.94	0.83	1.08	1.30	0.95	−51	−19	−22	−17	+43	−24	+27	−16	+12	−59											2	−0.32
78974 H	16 07 17.37	−44 16 38.7	9.23	H	241.822 356 29	−44.277 410 19	*	4.87	−16.20	− 1.36	1.16	0.91	1.38	1.45	1.06	+ 1	−13	−12	+35	+ 6	+17	+ 6	+37	+15	+10											4	1.15
78975	16 07 17.43	−17 52 30.3	9.40	H	241.822 612 66	−17.875 080 04		10.36	−17.96	−21.89	1.37	1.07	1.53	1.68	1.32	−22	−23	−25	+16	−20	+ 2	−17	+26	−11	−27											0	1.16
78976	16 07 17.67	+09 55 52.4	10.13	3 H	241.823 609 71	+09.931 220 53	*	2.46	− 3.04	16.62	2.62	1.97	3.29	6.65	4.63	−33	−20	+15	+10	− 8	−10	− 7	+ 9	+ 6	−46											7	−1.73
78977	16 07 17.79	−22 03 36.3	8.70	H	241.824 132 70	−22.060 094 02		8.80	−11.41	−25.45	1.22	0.88	1.38	1.49	1.13	+ 2	−19	−25	+ 6	+ 7	+10	+14	+ 4	−27	−11											0	−0.78
78978	16 07 19.01	−62 54 38.0	8.06	3 H	241.829 193 02	−62.910 554 01		1.31	− 1.87	− 1.90	0.67	0.77	1.07	0.82	0.96	−18	− 3	− 1	+12	− 4	−20	− 3	+24	+ 5	−23											0	−1.60
78979	16 07 19.78	−30 24 55.9	9.66	G	241.832 414 18	−30.415 518 11		19.42	−237.97	−88.97	7.72	5.06	8.78	9.75	7.00	− 5	−29	−17	− 2	+ 6	+13	+11	+17	−11	− 7											0	
78980	16 07 20.14	+10 40 21.9	8.98	H	241.833 918 75	+10.672 758 44		9.97	35.71	5.79	1.09	0.88	1.43	2.14	1.46	− 4	−10	− 2	−12	−14	−43	−21	+ 7	+ 8	+14											0	0.35
78981	16 07 20.25	−13 08 04.6	7.74	H	241.834 386 31	−13.134 611 63		4.50	−21.00	−17.92	1.00	0.77	1.16	1.13	1.00	−22	− 9	−14	− 4	−19	− 2	−16	+22	−35	−23											0	0.62
78982	16 07 20.97	+38 49 46.2	8.37	H	241.837 354 59	+38.829 491 99		3.56	− 0.78	− 4.97	0.62	0.69	0.82	0.64	0.71	+ 2	+ 3	−10	−23	− 5	+ 9	− 3	−22	+ 5	− 7											0	−1.34
78983	16 07 21.29	−08 10 11.0	9.25	G	241.838 699 84	−08.169 727 01		27.82	−91.02	11.64	1.38	0.97	1.45	1.72	1.31	+ 4	−21	−10	+16	+ 5	+14	+ 7	+21	+ 1	+ 1											0	0.11
78984	16 07 21.58	−18 22 00.9	8.11	H	241.839 903 97	−18.366 926 96		3.26	11.70	−15.86	1.10	0.77	1.19	1.36	0.91	+ 5	− 5	−31	+ 4	+ 5	− 1	+ 5	+ 9	− 5	− 3											0	0.89
78985	16 07 22.19	+21 49 21.8	6.15	G	241.842 440 21	+21.822 719 09		5.76	−13.38	−42.98	0.58	0.54	0.80	0.65	0.80	+ 8	−25	− 5	+ 3	−37	+13	−41	+38	− 6	+ 2											0	−1.65
78986	16 07 22.41	+39 09 20.7	8.42	1 H	241.843 363 40	+39.155 755 73		14.85	−50.74	63.99	0.58	0.65	0.78	0.64	0.67	+ 7	+ 4	−15	− 7	− 5	+ 5	− 5	−23	+ 9	− 2											0	0.38
78987	16 07 22.76	−51 23 43.9	10.32	G	241.844 850 43	−51.395 521 82		−0.85	− 1.17	−14.37	2.04	1.33	2.00	2.68	1.78	+26	− 6	−16	+57	+22	+ 8	+24	+53	−12	+22											0	1.58
*78988	16 07 24.09	−28 51 56.7	9.05	H	241.850 375 60	−28.865 740 04		4.13	10.28	15.78	1.11	0.97	1.33	1.43	1.47	−50	+ 0	−31	+32	−39	+38	−24	+63	−45	−64											0	1.19
*78989	16 07 24.09	−56 11 27.4	6.16	G	241.850 354 22	−56.190 956 97		2.55	− 0.80	0.31	0.58	0.50	0.73	0.69	0.71	−11	−19	−15	+17	−12	−10	− 9	+27	−19	−26											0	−0.44
78990	16 07 24.30	−20 52 07.2	4.31	G	241.851 250 58	−20.868 654 10		12.32	43.68	−45.30	0.77	0.56	0.89	0.81	0.65	−13	−44	−19	+12	−11	+25	+ 4	+28	−22	−28											0	−1.00
78991	16 07 25.10	−48 25 20.6	6.61	H	241.854 578 29	−48.422 399 42		12.46	35.00	−16.05	0.62	0.49	0.76	0.75	0.71	− 8	−15

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
78901	7.877	0.008	7.426	0.008		0.440	0.003	G	0.51	0.00	H	7.4803	0.0010	0.009	60		7.46	7.49		C		1							S
78902	11.191	0.064	10.448	0.053		0.665	0.063	T	0.73	0.05	L	10.5486	0.0034	0.031	88		10.48	10.60		C		1							G
78903	9.605	0.023	9.181	0.023		0.401	0.030	T	0.47	0.03	L	9.2476	0.0037	0.020	73		9.22	9.30				1							
78904	9.974	0.038	8.545	0.021		1.206	0.034	T	1.17	0.03	L	8.5741	0.0018	0.015	59		8.55	8.59		C		1							
78905	9.989	0.031	9.701	0.036		0.408	0.015	G	0.47	0.02	H	9.7525	0.0022	0.026	65		9.70	9.81		D		1							
78906	9.180	0.011	7.769	0.007		1.192	0.010	T	1.15	0.01	L	7.8137	0.0009	0.013	174		7.79	7.84				1							S
78907	12.075	0.171	11.133	0.111		0.831	0.151	T	0.85	0.11	L	11.3531	0.0032	0.042	149		11.28	11.43				1							G
78908	8.936	0.012	8.442	0.012		0.465	0.015	T	0.54	0.02	L	8.5185	0.0016	0.016	106		8.50	8.55		C		1							S
78909	7.648	0.007	7.551	0.008		0.090	0.015	G	0.10	0.02	H	7.5732	0.0016	0.015	107		7.55	7.60				1							S
78910	10.002	0.036	9.487	0.035	*	0.493	0.038	T	0.57	0.04	L *	9.4561	0.0022	0.013	78	*	9.43	9.48		D	16065−3120	I 1	2 C	A	AB	70	0.568	0.008	0.38	0.02	
78911	8.582	0.010	8.128	0.010		0.428	0.013	T	0.50	0.01	L	8.1776	0.0011	0.013	125		8.16	8.20		C		1	S							S
78912	10.178	0.030	9.554	0.028		0.577	0.030	T	0.65	0.03	L	9.5511	0.0021	0.020	104		9.52	9.58		C		1							
78913	9.821	0.021	8.695	0.014		0.963	0.002	G	1.01	0.00	I	8.7261	0.0017	0.021	140		8.69	8.76				1							
78914	5.018	0.002	4.750	0.002		0.230	0.012	G	0.20	0.02	A	4.7948	0.0005	0.004	105		4.79	4.80		C		1	G							S
78915	8.106	0.012	7.299	0.009	*	0.735	0.015	G	0.78	0.01	H *	7.3574	0.0017	0.012	87	*	7.34	7.38		D	16065−4027	I 1	2 C	A	AB	100	0.278	0.005	0.75	0.10	S
78916	9.449	0.013	8.804	0.011		0.599	0.015	T	0.67	0.01	L	8.8565	0.0013	0.021	211		8.81	8.89				1	G							
78917	8.978	0.021	8.167	0.017		0.745	0.002	G	0.79	0.00	H	8.2228	0.0014	0.009	49		8.21	8.24				1							
78918	3.990	0.002	4.187	0.002		−0.184	0.020	G	−0.19	0.02	A	4.1582	0.0004	0.005	127		4.15	4.17				1	O						S
78919	9.784	0.021	9.300	0.021		0.406	0.020	G	0.47	0.02	H	9.3725	0.0028	0.026	93		9.34	9.70		U 2 C		1	S							P
78920	9.875	0.032	9.287	0.030		0.550	0.032	T	0.62	0.03	L	9.4442	0.0022	0.017	53		9.42	9.47		C		1							
78921	11.587	0.096	9.977	0.035		1.170	0.015	G	1.28	0.03	I	10.0250	0.0032	0.024	113		9.98	10.06		C		1							
78922	10.754	0.043	9.253	0.020		1.263	0.037	T	1.22	0.04	L	9.2117	0.0022	0.019	86		9.17	9.24				1							
78923	9.386	0.013	8.619	0.011		0.677	0.004	G	0.74	0.00	H	8.6881	0.0020	0.020	142		8.66	8.74				1							S
78924						1.428	0.006	G	2.01	0.02	A	11.6466	0.0094	0.051	56		11.52	11.71				1	G						G
78925	11.537	0.084	9.714	0.026		1.548	0.072	T	2.11	0.26	K	9.5958	0.0089	0.052	95		9.50	9.68		U 2		1							
78926	9.493	0.018	8.878	0.016		0.573	0.021	T	0.65	0.02	L	8.9618	0.0014	0.019	93		8.93	8.99		C		1							
78927	10.382	0.031	9.062	0.018		1.121	0.028	T	1.08	0.03	L	9.1277	0.0021	0.016	96		9.10	9.16				1							
78928	8.804	0.010	7.249	0.005		1.305	0.009	T	1.27	0.01	L	7.2620	0.0010	0.010	146		7.24	7.28				1							S
78929	8.472	0.012	8.255	0.017	*	0.207	0.020	T	0.23	0.02	L *	8.4776	0.0019	0.022	176	*	8.44	8.52		D	16068−7153	I 1	2 C	A	AB	137	2.169	0.008	1.99	0.04	
78930	8.672	0.011	8.124	0.011		0.521	0.015	G	0.59	0.02	H	8.2007	0.0012	0.011	99		8.18	8.22		C		1							
78931	12.238	0.168	10.568	0.057		1.237	0.004	G	1.40	0.00	I	10.5353	0.0057	0.036	65		10.43	10.62		C		1	S						G
78932	10.288	0.044	9.712	0.041		0.523	0.020	G	0.60	0.02	H	9.7530	0.0026	0.018	45		9.73	9.78		C		1							
78933	3.887	0.003	3.941	0.003		−0.046	0.004	T	0.01	0.02	A	3.9307	0.0007	0.005	51		3.92	3.94		C		1							S
78934	10.311	0.025	9.833	0.025		0.450	0.032	T	0.52	0.03	L	9.8857	0.0025	0.027	165		9.84	9.93				1							
78935	9.471	0.021	8.868	0.019		0.561	0.021	T	0.63	0.02	L	8.8948	0.0015	0.016	99		8.87	8.93				1							
78936	8.302	0.010	7.889	0.009		0.407	0.001	G	0.47	0.00	H	7.9443	0.0012	0.013	104		7.92	7.96				1							S
78937	8.244	0.014	7.877	0.013		0.358	0.017	T	0.42	0.02	L	7.9298	0.0051	0.024	56		7.88	7.97		U 2	16069−2152	I 1	1	S						S
78938	10.233	0.030	9.549	0.025		0.620	0.029	T	0.69	0.03	L	9.5928	0.0024	0.018	84		9.56	9.62		C		1							G
78939	9.603	0.026	9.008	0.024		0.555	0.031	T	0.63	0.03	L	9.1072	0.0035	0.020	56		9.07	9.14				1							
78940											T	11.7267	0.0056	0.064	178		11.59	11.82				1	X	S						D
78941	8.480	0.013	8.120	0.013		0.341	0.017	T	0.40	0.02	L	8.1571	0.0014	0.012	60		8.13	8.18				1							S
78942	8.594	0.011	8.378	0.012		0.206	0.015	T	0.23	0.02	L	8.4160	0.0013	0.013	113		8.39	8.45				1							S
78943	8.601	0.011	8.201	0.012		0.397	0.015	G	0.46	0.02	H	8.2661	0.0021	0.017	102		8.24	8.29			16070−2743	I 1	1	G						S
78944	9.670	0.025	8.811	0.020		0.769	0.024	T	0.81	0.02	L	8.8443	0.0016	0.018	127		8.82	8.88		C		1							
78945	9.374	0.018	8.852	0.017		0.490	0.022	T	0.56	0.02	L	8.9400	0.0013	0.013	100		8.92	8.96		C		1	S						
78946	6.616	0.004	6.648	0.005		−0.025	0.006	T	0.00	0.01	L	6.6549	0.0008	0.007	120		6.64	6.67		C		1							S
78947	10.261	0.045	9.243	0.030		0.950	0.015	G	1.00	0.01	I	9.3070	0.0026	0.018	54		9.27	9.33		C		1							
78948	10.167	0.024	9.585	0.022		0.546	0.024	T	0.62	0.02	L	9.6388	0.0027	0.023	128		9.59	9.67				1							
78949	9.676	0.018	7.679	0.008		1.692	0.016	T	2.71	0.03	O	7.4003	0.0043	0.034	107		7.31	7.45		U 2		1	S						S
78950	10.626	0.027	9.052	0.012		1.305	0.015	G	1.27	0.02	I	9.0832	0.0020	0.026	221		9.04	9.12		C		1							
78951	7.641	0.007	7.695	0.010		−0.028	0.017	G	−0.01	0.02	H	7.6994	0.0012	0.009	110		7.69	7.72				1							S
78952	10.479	0.044	9.941	0.044		0.512	0.047	T	0.58	0.05	L	9.9619	0.0026	0.018	72		9.94	10.00		C		1							G
78953	10.836	0.052	10.450	0.060		0.365	0.074	T	0.43	0.08	L	10.5026	0.0032	0.030	106		10.45	10.55		C		1							G
78954	12.259	0.112	10.401	0.033		1.545	0.093	T	1.61	0.20	L	10.3099	0.0026	0.034	260		10.26	10.37				1	S						
78955	7.130	0.010	6.405	0.008		0.660	0.000	G	0.68	0.07	F	6.4485	0.0016	0.006	44		6.44	6.46				1							S
78956	8.092	0.012	7.917	0.015		0.205	0.015	G	0.23	0.02	H	7.9467	0.0010	0.008	59		7.93	7.96		C		1							S
78957	9.397	0.023	8.735	0.020	*	0.614	0.025	T	0.68	0.02	L *	8.7347	0.0014	0.014	92	*	8.71	8.76		D	16071+1654	I 1	2 C	A	AB	102	0.729	0.004	0.67	0.02	S
78958	7.926	0.006	7.631	0.007		0.280	0.009	T	0.32	0.01	L	7.6919	0.0014	0.012	128		7.67	7.71				1							S
78959	10.983	0.038	9.483	0.018		1.282	0.035	T	3.55	0.06	O	8.9470	0.0101	0.132	161		8.73	9.11		U 2 C		1	S						
78960	9.378	0.019	8.853	0.018		0.493	0.024	T	0.57	0.03	L	8.9011	0.0020	0.018	101		8.88	8.94				1							S
78961	11.441	0.055	9.586	0.018		1.542	0.046	T	1.60	0.10	L	9.5310	0.0022	0.032	186		9.47	9.59				1	S						
78962	8.915	0.010	7.575	0.006		1.136	0.009	T	1.10	0.01	L	7.6226	0.0008	0.011	166		7.60	7.65				1							S
78963	9.020	0.014	8.579	0.014		0.416	0.020	G	0.48	0.02	H	8.6203	0.0020	0.016	114		8.60	8.65				1	S						
78964	9.224	0.022	7.525	0.011		1.419	0.019	T	1.40	0.03	L	7.5229	0.0011	0.012	112		7.50	7.54				1							S
78965	10.422	0.056	9.783	0.050		0.594	0.065	T	0.66	0.06	L	9.8640	0.0055	0.046	40		9.83	10.00				1							
78966	9.263	0.017	7.365	0.007		1.594	0.002	G	1.77	0.02	A	7.2763	0.0013	0.010	90		7.26	7.29		C		1							S
78967	9.824	0.020	8.823	0.014	*	0.875	0.018	T	0.88	0.01	L *	8.8969	0.0014	0.016	120	*	8.87	8.94		D	16072+4613	H 1	2 C	S B	AB	33	0.155	0.025	1.37	0.62	S
78968	7.944	0.015	7.815	0.014		0.189	0.015	G	0.21	0.02	H	7.8281	0.0017	0.012	53		7.81	7.87				1							S
78969	11.819	0.196	10.779	0.129		0.894	0.184	T	0.90	0.14	L	10.9371	0.0070	0.048	46		10.83	10.99				1	S						G
78970	6.085	0.003	5.740	0.003		0.298	0.004	G	0.34	0.01	H	5.7940	0.0005	0.006	125		5.78	5.80		C	16073−3645	I 1	1	X						S
78971	9.724	0.034	9.293	0.034		0.461	0.015	G	0.53	0.02	H	9.2882	0.0044	0.018	43		9.26	9.32				1							
78972	10.463	0.037	9.099	0.020		1.155	0.033	T	1.12	0.03	L	9.1111	0.0023	0.018	96		9.07	9.14		C		1							
78973	8.107	0.011	7.952	0.015		0.149	0.017	T	0.16	0.02	L	7.9939	0.0016	0.011	81		7.97	8.01		C	16073−3342	I 1	1	G						S
78974	9.700	0.018	9.280	0.019	*	0.410	0.021	T	0.48	0.02	L *	9.3191	0.0025	0.023	102	*	9.29	9.37			16073−4417	I 1	2 C	S B	AB	17	0.129	0.019	0.36	1.30	
78975	10.196	0.041	9.493	0.035		0.635	0.041	T	0.70	0.04	L	9.5363	0.0036	0.015	49		9.51	9.58		C		1							
78976						1.500	0.510	G	2.81	0.92	Q	10.0851	0.5830	1.537	43		8.06	11.46	236.90	P 1 B		1	V							G P
78977	9.516	0.022	8.788	0.019		0.654	0.022	T	0.72	0.02	L	8.8373	0.0027	0.016	54		8.80	8.87				1							
78978	8.582	0.018	7.947	0.016		0.590	0.021	T	0.66	0.02	L	8.1773	0.0495	0.288	97		7.65	8.41	2.57	P 1 A		1							P
78979	10.727	0.055	9.779	0.039		0.860	0.003	G	0.90	0.00	H	9.8098	0.0025	0.023	68		9.76	9.85		C		1	X						G G
78980	9.498	0.023	9.037	0.023		0.435	0.030	T	0.50	0.03	L	9.0744	0.0028	0.019	69		9.05	9.11				1							
78981	8.359	0.016	7.788	0.013		0.549	0.015	G	0.62	0.01	H	7.8541	0.0023	0.015	55		7.83	7.88				1							S
78982	9.770	0.017	8.456	0.010		1.116	0.015	T	1.08	0.02	L	8.5340	0.0012	0.017	144		8.50	8.56				1							
78983	10.425	0.051	9.291	0.033		0.915	0.015	G	0.96	0.02	I	9.3720	0.0021	0.017	41		9.35	9.42				1							
78984	9.929	0.033	8.288	0.016		1.373	0.029	T	1.34	0.04	L	8.2617	0.0020	0.014	53		8.25	8.29		C		1							
78985	7.934	0.007	6.324	0.004		1.365	0.006	G	1.33	0.01	H	6.3106	0.0008	0.008	142		6.30	6.32				1							S
78986	9.087	0.012	8.469	0.010		0.536	0.005	G	0.61	0.01	H	8.5344	0.0019	0.024	129		8.50	8.57		U		1							S
78987	11.084	0.064	10.387	0.053		0.662	0.001	G	0.72	0.00	H	10.4932	0.0033	0.029	87		10.44	10.54		C		1							G
78988	9.519	0.022	9.106	0.023		0.401	0.020	G	0.47	0.02	H	9.1433	0.0022	0.015	87		9.12	9.18		C		1							
78989	6.838	0.006	6.232	0.004		0.565	0.021	G	0.70	0.03	C	6.2752	0.0007	0.007	85		6.26	6.29				1							S
78990	5.372	0.003	4.414	0.003		0.831	0.027	G	0.85	0.02	A	4.4647	0.0007	0.004	49		4.46	4.47		C		1							S
78991	6.790	0.005	6.639	0.005		0.147	0.002	G	0.16	0.00	H	6.6662	0.0008	0.006	96		6.65	6.68		D		1							S
78992	11.320	0.063	10.834	0.066	*	0.457	0.083	T	0.53	0.09	L *	10.9881	0.0043	0.041	125	*	10.91	11.07			16074+4842	H 1	2 C	C	AB	256	0.846	0.049	2.75	0.55	G
78993	7.720	0.008	7.357	0.008		0.344	0.011	T	0.40	0.01	L	7.4059	0.0018	0.011	56		7.38	7.42		C		1	G						S
78994	10.401	0.024	8.520	0.010		1.563	0.021	T	1.58	0.02	L	8.4525	0.0173	0.169	179		8.21	8.95		U 2		1	S						P
78995	9.707	0.019	8.156	0.010		1.302	0.017	T	1.26	0.02	L	8.1840	0.0013	0.012	96		8.17	8.21		C		1							
78996	8.799	0.016	8.373	0.016		0.392	0.020	G	0.46	0.02	H	8.4300	0.0015	0.016	69		8.40	8.46		C		1							
78997	9.630	0.020	9.119	0.020	*	0.480	0.025	T	0.55	0.03	L *	9.1218	0.0023	0.017	97	*	9.10	9.15		D	16075−5336	I 1	2 C	A	AB	40	0.327	0.004	0.35	0.06	
78998	9.432	0.022	8.667	0.018		0.682	0.022	T	0.74	0.02	L	8.7435	0.0021	0.012	79		8.72	8.76				1							
78999	11.919	0.188	10.491	0.074		1.205	0.159	T	1.16	0.16	L	10.5024	0.0031	0.026	62		10.46	10.54		C		1							G
79000	8.085	0.008	6.771	0.004		1.116	0.007	T	1.08	0.01	L	6.8115	0.0008	0.009	132		6.80	6.83		C		1							S

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg		Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)										Soln F1 %	F2
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
79001	16 07 35.62	−40 22 21.9	9.68	H	241.898 401 63	−40.372 743 02		−2.96	−10.45	−19.81	1.49	1.12	2.35	1.89	1.91	−40	+14	−32	− 1	−24	−33	−32	+58	−37	−41	0	−0.51
79002	16 07 35.67	−54 39 12.4	8.15	H	241.898 609 22	−54.653 444 86		11.75	35.98	−51.65	0.85	0.65	1.13	1.34	1.05	+14	+ 8	−11	+ 1	+20	−39	+ 4	+29	−39	+60	2	0.74
79003 H	16 07 36.15	−02 39 00.8	8.70	H	241.900 610 06	−02.650 230 59	A	8.35	−42.50	19.78	3.78	2.10	4.25	5.36	4.28	−42	−50	+14	+34	−22	−49	−35	+38	+50	−61	1	0.88
79004	16 07 36.21	−29 28 18.0	8.77	H	241.900 888 05	−29.471 663 87		5.39	−14.78	−34.62	1.20	0.94	1.57	1.44	1.32	−28	−17	−35	+10	−12	+22	+ 5	+47	−49	−42	0	1.16
*79005 H	16 07 36.44	−12 44 43.2	5.75	G	241.901 835 90	−12.745 343 15	A	7.66	−41.67	−27.64	0.89	0.70	0.86	0.93	0.84	−29	−28	− 5	+26	−22	−15	−22	+41	− 7	−39	2	0.25
*79006	16 07 36.39	−42 28 33.6	9.11	G	241.901 625 25	−42.476 004 29		2.13	−5.09	−35.79	1.14	0.79	1.32	1.31	0.94	− 3	−13	−15	+14	+33	+ 1	+34	+13	− 1	+ 3	0	0.68
79007	16 07 37.55	+09 53 30.3	5.63	H	241.906 462 34	+09.891 760 25		12.12	−20.84	− 7.13	0.70	0.55	0.83	0.88	0.79	−11	−26	−11	+33	− 7	− 4	− 5	+19	−10	−16	0	1.26
79008 H	16 07 37.61	+00 01 57.7	9.77	G	241.906 707 56	+00.032 688 49	A	19.79	38.14	−14.21	2.43	1.47	2.38	3.58	2.33	−29	− 6	−14	+ 0	+20	−32	+15	+12	−10	+ 4	1	−0.56
79009	16 07 38.21	−39 05 59.2	9.22	H	241.909 222 39	−39.099 779 19		7.90	−49.70	−41.75	1.09	0.71	1.37	1.56	1.17	− 1	− 7	−23	+21	−10	+23	− 3	+54	−25	−10	0	0.44
79010 H	16 07 38.27	+28 59 43.6	7.74	H	241.909 445 71	+28.995 446 05	A	2.72	−17.17	− 3.69	0.79	0.90	1.20	0.75	0.98	+22	− 5	+ 5	+19	+21	− 2	+23	+19	− 6	+11	2	−0.69
79011	16 07 38.47	+56 14 36.4	8.18	H	241.910 286 52	+56.243 448 68		1.41	− 3.06	0.10	0.60	0.65	0.67	0.69	0.81	− 5	− 4	− 3	+ 5	+ 4	+ 6	+ 6	+18	+ 4	−11	3	2.21
79012	16 07 38.99	−30 33 46.6	7.96	H	241.912 478 55	−30.562 954 08		3.75	−15.35	− 2.94	0.96	0.67	1.18	1.26	0.89	−15	−19	−11	+ 4	− 3	+34	+ 3	+33	−24	−12	2	0.97
79013	16 07 40.51	−15 38 23.8	8.58	H	241.918 774 21	−15.639 947 38		7.36	15.89	5.76	1.05	0.82	1.22	1.21	0.91	−12	−13	−37	+15	+10	+ 9	+13	+ 2	+ 6	−21	0	0.00
79014	16 07 41.50	+60 46 41.8	9.43	H	241.922 925 92	+60.778 289 19		7.41	−31.36	27.38	0.81	0.88	0.92	0.83	0.90	+ 4	−15	−14	−22	−33	+ 5	−23	+ 9	− 7	−30	1	1.87
79015	16 07 42.05	−16 30 56.8	9.38	H	241.925 190 04	−16.515 776 13		4.06	− 5.26	− 5.93	1.23	0.96	1.36	1.41	1.10	−19	−16	−14	+22	− 1	+25	+ 6	+25	−20	−20	0	−0.55
79016	16 07 43.37	+20 22 18.9	10.36	H	241.930 689 20	+20.371 916 73	B	14.64	−33.56	22.76	12.55	13.92	11.95	8.85	12.35	−17	−34	+ 8	−18	−28	+24	−29	+32	+ 2	−22	18	1.86
79017	16 07 43.97	+20 22 27.7	8.66	H	241.933 208 35	+20.374 354 65	A	10.20	−32.61	25.45	2.22	2.29	2.47	2.01	2.45	−11	−33	− 4	−20	−31	+29	−26	+30	− 2	−25	18	1.86
79018	16 07 44.07	−46 31 30.9	7.07	H	241.933 616 37	−46.525 241 90		6.84	−15.42	−41.53	0.64	0.51	0.79	0.67	0.66	− 2	−23	−25	+ 6	−15	+ 2	− 9	+23	−25	−24	2	−0.07
79019 H	16 07 44.35	−38 02 24.0	8.14	H	241.934 774 41	−38.040 004 54	A	12.13	−21.59	−96.63	4.87	2.55	2.93	3.99	2.84	+20	+11	+ 6	+39	+37	+34	+33	+46	+21	+52	8	1.80
79020	16 07 44.65	−21 24 43.5	7.99	H	241.936 029 23	−21.412 095 62		8.31	−17.62	− 7.69	1.07	0.76	1.20	1.30	0.91	+ 7	− 7	−23	+26	− 2	+36	+ 7	+23	−25	−14	0	−1.40
79021	16 07 44.91	−11 55 12.9	8.56	G	241.937 145 81	−11.920 256 77		8.49	−16.11	−20.05	1.09	0.81	1.20	1.17	1.02	+ 3	−40	−32	+19	− 8	+ 6	− 6	+26	+ 4	−28	0	1.77
79022	16 07 45.29	+15 42 37.4	7.76	H	241.938 694 96	+15.710 392 16		2.01	12.87	−18.10	0.88	0.64	0.98	1.00	0.82	+ 8	−24	−14	+53	− 3	− 8	− 2	+48	−15	+22	0	−1.38
79023	16 07 45.59	−47 57 59.7	7.93	H	241.939 940 44	−47.966 572 02		3.87	2.44	−21.94	0.84	0.71	1.10	0.97	0.98	− 6	−24	−29	+14	−24	+ 1	−14	+40	−32	−29	0	−0.97
79024	16 07 45.66	+16 44 04.6	8.11	2 H	241.940 238 92	+16.734 597 45		2.69	− 5.76	−15.09	0.94	0.74	1.07	0.92	0.94	−13	−40	−18	+37	−39	+ 3	−43	+53	+ 5	−17	0	1.28
79025	16 07 45.98	+29 10 41.8	9.45	2 H	241.941 602 67	+29.178 278 03		6.71	− 8.16	18.60	1.58	1.87	2.68	1.56	2.15	+13	−10	− 2	− 4	+14	+ 0	+15	+ 9	+ 9	+13	1	
79026	16 07 47.85	−37 00 35.9	8.58	H	241.949 379 60	−37.009 980 67		9.51	−49.67	−20.70	0.87	0.62	1.10	1.02	0.92	−12	−26	−25	+ 4	−13	+ 8	+ 1	+39	−22	−39	0	0.25
79027	16 07 48.01	−74 50 24.6	9.28	G	241.950 021 51	−74.840 159 33		11.51	−43.02	−91.05	0.76	0.84	1.06	0.93	1.21	+20	− 4	− 2	+ 6	+ 5	− 8	+ 4	+13	−15	+33	0	−0.31
79028	16 07 49.03	+12 22 24.8	7.29	H	241.954 311 00	+12.373 555 12		5.74	21.49	−13.51	0.79	0.62	0.90	1.00	0.82	−14	−32	−15	+30	−10	+ 1	− 5	+28	−10	−15	0	1.08
79029	16 07 49.37	−30 36 36.0	8.35	G	241.955 713 78	−30.610 003 61		2.71	− 6.41	−12.09	0.97	0.69	1.22	1.25	0.92	−19	−24	−15	− 1	− 7	+29	+ 1	+30	−28	−17	2	1.43
79030	16 07 50.23	−19 59 21.9	8.89	H	241.959 298 85	−19.989 416 16		0.79	1.34	−23.64	1.18	0.87	1.25	1.45	1.10	+ 2	−20	−24	+23	− 4	+ 3	+ 1	+32	−17	− 9	0	−0.88
79031	16 07 51.90	−24 27 44.2	6.32	H	241.966 229 59	−24.462 291 18		8.50	− 9.52	−23.92	0.74	0.52	0.84	0.74	0.64	−20	−34	− 5	− 1	+ 1	+14	+13	+14	−28	−37	0	1.29
79032	16 07 52.55	−67 16 04.6	8.28	H	241.968 956 60	−67.267 950 82		2.52	− 4.18	− 6.75	0.59	0.70	0.96	0.63	0.82	+ 1	−25	+ 0	− 7	+10	− 4	+10	+30	+ 7	− 3	4	1.91
79033 H	16 07 53.30	−53 41 37.0	8.65	G	241.972 084 49	−53.693 621 99	A	−0.80	−2.50	− 3.94	1.31	1.13	1.51	1.55	1.43	+18	− 3	− 4	− 9	− 1	−19	−10	+16	−11	+42	4	0.25
79034 H	16 07 55.15	+14 25 22.3	8.52	H	241.979 790 59	+14.422 859 45	*	3.64	11.15	5.50	1.23	0.83	1.39	1.55	1.15	−12	−51	− 5	+13	+ 9	− 8	+10	+ 7	− 7	−17	0	1.89
79035	16 07 55.48	−57 07 25.0	9.70	G	241.981 169 08	−57.123 624 02		3.59	2.48	− 2.10	1.42	1.14	1.45	1.76	1.51	+49	− 3	−10	+65	+54	− 8	+54	+57	+13	+52	0	−0.28
79036	16 07 57.94	−71 56 40.4	7.01	G	241.991 397 73	−71.944 554 77		10.47	−11.73	−33.98	0.72	0.83	1.17	0.74	1.05	+24	−24	−10	− 5	+ 1	+ 9	− 1	− 8	+16	+32	0	
79037 H	16 07 59.39	+45 22 49.0	7.01	H	241.997 476 65	+45.380 265 04	*	2.90	− 2.73	12.31	0.66	0.90	0.60	0.56	0.62	− 3	+ 4	+ 1	+ 1	+ 1	+ 5	− 2	+10	+21	− 2	−11	1	0.01
79038	16 07 59.78	−55 07 49.6	9.23	2 H	241.999 084 99	−55.130 452 96		−0.44	− 0.23	0.87	1.03	0.79	1.32	1.26	1.13	+ 5	−11	−18	− 4	+ 2	−24	− 3	+28	−34	+25	0	−0.49
79039	16 08 01.02	+40 37 39.2	7.55	H	242.004 249 23	+40.627 552 77		3.34	− 6.85	− 7.71	0.57	0.56	0.73	0.68	0.60	+ 6	− 1	− 9	+12	+12	− 3	+ 7	−10	+ 7	−14	0	−0.64
79040	16 08 01.87	−01 02 10.4	8.75	H	242.007 789 80	−01.036 211 11		1.65	−24.36	−12.20	1.25	0.70	1.21	1.52	1.47	− 9	+ 7	− 5	+33	+18	− 3	+34	+19	+27	−20	0	1.52
79041	16 08 03.73	−13 00 10.4	8.39	H	242.015 547 47	−13.002 880 80		10.40	−87.41	−22.35	1.15	0.89	1.24	1.27	1.14	−18	−28	+ 1	+ 8	−29	−13	−22	+37	−16	−24	0	−1.59
79042	16 08 03.90	−43 49 43.8	8.49	H	242.016 251 00	−43.828 826 21		3.60	− 2.42	− 3.29	0.85	0.70	1.04	0.94	0.80	−18	−17	−30	+12	−10	+ 4	− 5	+39	−15	−28	0	−1.61
*79043	16 08 04.55	+17 02 49.2	5.00	H	242.018 943 70	+17.046 993 49	A	8.40	−34.29	− 5.46	1.45	1.26	1.23	1.35	1.31	− 2	−43	− 5	+28	−19	− 3	−27	+46	+16	+ 3	2	0.21
*79044	16 08 04.39	−36 13 54.4	6.75	H	242.018 300 39	−36.231 764 01		7.71	−16.39	−29.38	0.69	0.44	0.80	0.92	0.66	+ 1	−20	−10	+19	+12	− 4	+17	+39	−11	− 8	0	1.64
79045	16 08 04.97	+17 03 16.0	6.25	G	242.020 707 28	+17.054 453 06	B	6.92	−20.63	−29.40	7.93	6.24	4.47	4.48	4.55	+ 4	−45	− 6	+10	−23	− 5	−31	+33	+15	+ 4	2	0.21
79046	16 08 05.12	−58 58 14.5	6.74	H	242.021 314 72	−58.970 685 62		5.83	− 8.20	−27.60	0.54	0.53	0.79	0.61	0.65	− 1	−25	−29	+35	+14	−20	+17	+51	−23	−10	0	−0.34
79047	16 08 05.73	+10 04 49.8	6.74	H	242.023 886 51	+10.080 505 12		9.18	−29.96	−27.33	0.71	0.57	0.87	0.90	0.80	−15	−20	−15	+30	− 3	+ 1	+ 0	+11	− 4	−11	0	1.00
79048	16 08 07.11	−18 14 34.2	7.02	H	242.029 636 85	−18.242 820 71		29.62	19.10	−128.62	0.89	0.66	1.03	1.03	0.79	−14	−25	−26	+ 7	−15	+16	− 5	+23	−22	−23	0	1.19
79049	16 08 07.19	−27 43 49.5	7.19	H	242.029 968 74	−27.730 424 76		3.59	−14.73	− 4.84	0.88	0.65	0.96	1.09	0.89	−41	−21	+15	+23	+ 4	+ 3	+ 1	+42	− 9	−11	0	−0.79
79050	16 08 07.52	−26 19 36.0	5.35	1 H	242.031 337 33	−26.326 664 83		7.67	99.72	− 5.78	0.69	0.45	0.80	0.73	0.65	−37	−34	+ 1	− 4	+ 1	− 3	+ 8	+21	−20	−33	0	−1.32
79051	16 08 08.69	+64 14 21.4	8.62	H	242.036 212 40	+64.239 265 45		5.18	− 1.23	−14.56	0.59	0.67	0.66	0.61	0.73	+14	−12	−20	+ 2	+16	−13	+15	+34	−20	+19	0	−0.40
79052	16 08 08.86	−61 33 49.9	8.72	H	242.036 897 37	−61.563 869 77		2.30	8.20	−26.34	0.67	0.98	1.27	0.91	1.29	−37	− 4	−32	+ 9	−36	+17	−29	+56	−32	−43	0	−0.88
79053	16 08 09.02	+35 35 51.6	8.59	H	242.037 578 13	+35.597 654 38		2.29	3.14	11.13	0.63	0.66	0.85	0.81	0.85	+18	+ 7	+16	+ 9	− 4	+ 3	− 6	− 2	−16	+11	0	1.94
79054	16 08 10.51	−23 51 02.2	9.16	H	242.043 802 35	−23.850 618 85		7.93	−11.58	−20.54	1.04	0.74	1.17	1.08	0.95	−14	−29	−11	− 6	+ 4	+12	+15	+ 7	−25	−38	0	0.03
79055	16 08 10.84	−53 04 44.2	6.86	2 H	242.045 159 10	−53.078 950 41		−0.50	− 1.70	− 0.74	0.65	0.55	0.82	0.76	0.72	− 4	−26	− 7	+17	− 1	− 1	+ 1	+35	− 9	− 6	0	−1.64
79056	16 08 11.74	−77 17 20.1	7.45	H	242.048 907 18	−77.288 928 44		3.64	− 9.31	− 9.90	0.51	0.57	0.70	0.58	0.71	− 1	−24	+18	− 7	− 2	− 7	− 2	+24	+ 5	+ 2	0	1.05
79057	16 08 12.54	+37 36 00.5	10.00	2 H	242.052 267 89	+37.600 146 97		−0.15	−10.87	1.11	0.90	1.00	1.26	1.05	1.08	+ 5	− 6	− 2	− 8	− 5	+21	− 5	−11	+ 2	+ 0	1	1.44
79058	16 08 15.99	−45 21 55.3	8.13	H	242.066 607 61	−45.365 348 21		2.62	− 8.56	− 8.94	0.76	0.59	0.95	0.80	0.72	−21	−28	−14	− 2	−12	−12	− 8	+28	−13	−33	0	0.87
79059	16 08 16.65	−13 46 07.8	7.51	H	242.069 390 45	−13.768 839 17		13.10	−118.80	−86.95	0.91	0.72	0.94	1.14	0.91	− 9	−20	−25	+ 9	−29	+ 2	−27	+39	−16	− 8	0	1.42
79060	16 08 16.91	−51 38 09.9	7.44	H	242.070 446 99	−51.636 090 83		4.30	−24.60	− 7.55	0.96	0.71	1.15	1.22	0.92	+18	−31	−27	+35	+21	− 4	+24	+52	−21	+22	0	−0.28
79061	16 08 17.02	−17 08 05.3	8.59	2 H	242.070 898 05	−17.134 800 08		2.95	− 3.18	− 2.98	1.06	0.85	1.23	1.26	0.96	−15	−19	−33	+ 8	−10	+14	− 2	+19	−21	−16	0	−0.12
79062	16 08 19.41	+76 59 08.6	9.74	H	242.080 876 04	+76.985 723 88		2.45	8.80	− 0.80	0.79	0.85	0.92	0.79	0.96	+16	−38	−30	−25	− 3	− 1	+ 0	− 1	−13	+14	0	−1.36
79063	16 08 19.42	+72 00 01.0	10.45	H	242.080 933 72	+72.000 271 45		8.96	−32.99	171.40	1.10	1.04	1.11	1.09	1.09	+ 6	− 7	−16	−35	− 2	−12	+ 0	− 3	− 4	− 5	3	−0.39
79064	16 08 20.80	−25 07 37.6	8.62	G	242.086 675 67	−25.127 103 29		1.58	− 6.98	−25.63	1.06	0.65	1.27	1.33	0.91	−11	−13	− 9	+24	+10	+32	+19	+33	−35	−14	0	−0.15
79065	16 08 23.82	−34 30 57.4	9.03	H	242.099 253 24	−34.515 935 84		9.17	−73.08	6.51	1.21	0.85	1.39	1.76	1.26	−31	+ 1	− 4	+ 3	+ 9	−22	+10	+40	+17	−35	0	−0.49
79066	16 08 24.52	−13 08 05.3	8.70	G	242.102 184 67	−13.134 808 67		35.04	−61.74	−285.56	1.19	0.86	1.25	1.48	1.15	−10	−27	+ 5	+ 6	−10	+ 0	−10	+27	− 6	− 4	0	1.14
79067	16 08 26.25	−58 25 45.3	8.98	H	242.109 392 92	−58.429 248 71		19.72	−111.09	−117.19	0.96	0.87	1.16	1.12	1.06	+22	+ 1	−20	+52	+42	−16	+43	+55	− 5	+12	0	−1.68
79068	16 08 26.97	+33 43 59.0	8.37	H	242.112 367 19	+33.733 046 50		18.31	−54.39	14.79	0.60	0.69	0.87	0.72	0.86	+ 9	−14	+ 8	+10	+ 2	− 6	+ 4	+ 9	− 6	+24	1	0.77
*79069	16 08 27.37	+86 11 59.4	8.59	3 H	242.114 058 69	+86.199 836 33		2.24	−11.71	16.71	0.64	0.70	0.75	0.77	0.87	− 1	+ 4	− 9	+18	+ 1	+15	+ 2	+21	−13	−11	0	0.10
*79070	16 08 27.04	−77 14 19.7	7.30	H	242.112 649 75	−77.238 808 12		4.87	−15.73	− 6.82	0.50	0.55	0.68	0.62	0.70	+ 6	−10	+14	− 6	+ 1	− 4	+ 0	+21	+ 8	+12	0	0.99
*79071 H	16 08 27.23	−10 06 07.3	6.69	G	242.113 455 78	−10.102 040 63	A	18.75	38.07	−109.97	1.49	1.16	1.42	1.48	1.12	− 8	−35	−21	+ 3	− 5	+17	− 5	+21	+17	−19	2	0.09
79072	16 08 28.08	+08 32 03.6	5.69	2 H	242.117 012 82	+08.534 324 77		5.74	−13.62	− 6.16	0.76	0.60	0.90	1.02	0.94	−18	−30	−17	+27	+16	− 8	+18	− 6	− 4	−22	0	1.07
79073	16 08 29.51	−28 58 17.3	8.51	H	242.122 941 31	−28.971 471 44		9.21	9.43	−43.90	1.06	0.96	1.26	1.28	1.36	−51	−11	−35	+29	−44	+29	−25	+66	−46	−68	0	0.50
79074	16 08 31.37	+51 09 02.1	9.14	H	242.130 716 13	+51.150 582 35		1.69	− 7.90	0.38	0.75	0.84	0.88	0.83	0.96	+11	+10	− 3	− 5	− 2	+ 0	− 1	− 4	+ 8	− 6	0	−1.85
79075	16 08 31.54	+00 35 28.1	9.12	G	242.131 432 45	+00.591 140 68		8.25	−31.13	6.88	1.27	0.77	1.27	1.54	1.20	−23	−28	+ 4	+34	+ 4	− 9	+ 7	+21	+ 7	−22	0	−0.68
79076	16 08 32.00	−67 19 20.0	9.03	1 H	242.133 337 43	−67.322 231 64		−0.06	− 3.04	− 3.58	0.72	0.85	1.19	0.77	0.99	+ 9	−26	− 4	− 2	+11	− 7	+11	+30	+ 7	+ 3	2	0.94
79077	16 08 32.12	−53 08 40.9	8.27	H	242.133 852 26	−53.144 682 08		2.50	− 6.38	11.09	0.85	0.68	1.13	1.07	0.97	+ 0	−18	− 3	+ 8	− 3	−17	− 1	+23	−19	+ 6	0	−0.40
79078 H	16 08 32.60	−31 55 10.9	9.13	H	242.135 847 71	−31.919 698 03	*	6.88	−16.50	−19.59	2.56	1.61	1.62	1.76	1.28	−50	− 9	− 9	+ 7	+ 5	− 9	+ 3	+28	−19	−12	0	−1.00
79079	16 08 32.98	−62 58 54.7	6.88	1 H	242.137 414 23	−62.981 851 17		3.62	− 2.04	−10.94	0.49	0.55	0.73	0.55	0.64	−14	−14	− 4	+ 8	− 9	−13	− 8	+27	− 1	−22	0	0.85
79080	16 08 34.29	−39 06 18.1	7.00	H	242.142 891 52	−39.105 034 76		4.81	− 9.56	−24.25	0.72	0.50	0.87	0.85	0.72	− 8	−20	−15	+13	−11	+ 7	− 5	+43	−22	−15	0	2.35
79081	16 08 34.57	−39 05 34.1	6.65	G	242.144 032 99	−39.092 799 44		4.15	− 6.45	−22.46	0.68	0.45	0.83	0.80	0.67	− 6	−23	− 9	+23	− 6	+ 3	+ 2	+45	−22	−18	2	1.56
79082	16 08 34.70	+51 38 12.3	9.14	H	242.144 569 95	+51.636 754 62		9.47	−98.04	9.47	0.85	0.79	0.87	0.96	0.98	+23	+ 9	− 2	+15	+17	− 8	+19	+ 2	+ 3	+31	0	0.04
79083	16 08 35.15	−20 45 29.4	8.41	H	242.146 447 44	−20.758 176 70		6.29	− 9.52	−24.01	1.22	0.86	1.37	1.49	1.01	+ 4	−13	− 6	+22	+ 5	+41	+ 9	+23	− 6	− 5	0	−0.61
79084	16 08 35.61	−44 17 23.8	9.25	H	242.148 361 75	−44.289 955 71		7.89	26.98	3.11	1.10	0.84	1.33	1.22	0.96	− 9	−25	−24	+19	− 1	+10	+ 4	+31	−10	−13	0	0.22
79085	16 08 35.84	−20 48 26.8	11.47	2 G	242.149 347 36	−20.807 432 48		−6.00	− 1.16	0.45	3.14	2.06	3.14	3.53	2.39	+20	−21	−12	+26	+17	+25	+22	+16	− 9	+10	0	0.99
79086	16 08 36.53	+08 36 47.7	6.47	2 H	242.152 209 76	+08.613 248 25		6.97	−30.26	−29.91	0.86	0.66	1.04	1.17	1.15	−21	−27	− 9	+31	+ 9	−16	+ 8	+ 5	+ 9	−31	0	1.13
79087	16 08 36.61	+62 29 07.5	8.51	G	242.152 537 12	+62.485 407 92		4.92	−25.79	9.69	0.64	0.62	0.68	0.59	0.66	+ 9	− 2	+10	−43	−20	−14	−14	−13	+ 8	−18	0	0.00
79088 H	16 08 37.85	+40 03 11.2	8.43	H	242.157 711 57	+40.053 104 68	A	4.10	−17.80	18.56	1.01	1.16	1.28	1.28	1.22	+11	−10	−13	+20	+11	−27	+ 1	+ 0	+13	−14	2	1.12
79089	16 08 38.81	+30 22 56.6	7.95	H	242.161 725 24	+30.382 390 52		3.42	−19.00	3.68	0.48	0.62	0.83	0.50	0.75	+ 7	− 2	+ 0	+ 6	+ 6	−10	+ 9	+11	−19	−13	0	−0.69
79090	16 08 39.38	+22 38 57.3	10.00	2 H	242.164 074 46	+22.649 251 06		9.41	−13.22	−55.99	1.17	1.10	1.88	1.24	1.41	+41	−17	+ 1	−30	−28	− 4	−23	+ 6	+ 0	+23	2	0.28
79091 H	16 08 39.40	+22 12 13.8	8.92	H	242.164 153 13	+22.203 839 48	A	12.09	−10.18	− 4.97	1.46	1.42	1.83	1.54	1.88	+45	−21	−15	+ 8	−14	+18	− 9	+42	+ 3	+ 3	2	−0.79
79092	16 08 39.79	−48 34 42.0	9.04	H	242.165 805 40	−48.578 332 43		8.61	15.06	−32.42	1.00	0.73	1.30	1.27	1.11	− 6	−20	−10	−14	− 9	+ 4	− 4	+26	−31	− 7	0	1.78
79093 H	16 08 40.77	+05 24 20.7	7.65	H	242.169 875 20	+05.405 750 47	*	4.35	−11.12	2.56	1.57	1.26	1.35	1.53	1.36	−45	− 1	−23	+33	−10	+ 6	− 5	+16	−20	+46	2	0.20
79094	16 08 41.64	−16 05 35.8	9.48	G	242.173 502 63	−16.093 284 96		8.98	−22.06	− 0.50	1.42	1.10	1.54	1.51	1.21	−21	−28	−19	+ 8	+21	+ 9	+25	− 4	−10	−28	0	−2.10
79095	16 08 42.05	−53 47 42.5	8.81	H	242.175 223 81	−53.795 140 89		5.11	−27.84	−38.11	1.02	0.76	1.25	1.35	1.09	+10	− 8	− 1	− 5	− 1	−12	− 3	+21	−16	+24	0	1.60
79096	16 08 42.45	+21 03 31.9	8.70	G	242.176 879 99	+21.058 865 81		4.08	−21.59	−30.20	0.79	0.91	1.19	0.83	1.09	+ 9	−34	−23	− 4	−47	+13	−33	+43	−13	−22	0	0.84
79097	16 08 43.68	−25 22 36.4	8.76	H	242.181 986 13	−25.376 778 58		5.85	−13.27	−24.09	0.99	0.69	1.20	1.19	0.98	−26	−14	−22	+ 6	− 5	+23	+ 7	+28	−34	−39	2	−0.13
79098	16 08 43.73	−23 41 07.3	5.86	H	242.182 196 64	−23.685 353 17		7.65	−10.21	−25.79	0.69	0.49	0.77	0.69	0.60	−11	−29	−10

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
79001	11.171	0.064	9.814	0.032		1.150	0.056	T	1.11	0.05	L	9.8509	0.0027	0.021	74		9.82	9.88		C			1							G
79002	8.740	0.014	8.210	0.013		0.497	0.017	T	0.57	0.02	L	8.2609	0.0012	0.012	92		8.24	8.28					1							
79003	9.417	0.023	8.789	0.021	*	0.584	0.027	T	0.66	0.03	L	*	8.8319	0.0025	0.024	92	*	8.80	8.87		D	16076−0239	I 1	2 C	A	AB	57	9.128	0.007	0.76	0.02	
79004	10.247	0.033	8.925	0.019		1.122	0.030	T	1.08	0.03	L		8.9375	0.0021	0.014	72		8.92	8.97		C			1							
79005	5.764	0.003	5.758	0.004	A	0.018	0.012	G	0.01	0.00	L	*	5.7545	0.0008	0.006	67	*	5.75	5.77		D	16076−1245	I 1	2 C	B	AB	259	3.350	0.040	3.99	0.10	S
79006	9.374	0.017	9.175	0.020		0.223	0.015	G	0.25	0.02	H		9.1842	0.0028	0.014	81		9.16	9.23		C			1							
79007	5.883	0.004	5.659	0.004		0.200	0.007	G	0.22	0.01	H		5.6981	0.0014	0.008	69		5.68	5.71					1							S
79008	11.054	0.063	9.792	0.033	*	1.000	0.015	G	1.05	0.02	I	*	9.8543	0.0020	0.016	75	*	9.82	9.88		C	16076+0002	H 1	2 C	B	AB	178	0.754	0.033	3.05	0.13	
79009	9.833	0.021	9.269	0.020		0.532	0.021	T	0.60	0.02	L		9.3315	0.0017	0.014	99		9.30	9.35		C			1							
79010	7.931	0.006	7.690	0.008	*	0.230	0.009	T	0.26	0.01	L	*	7.8128	0.0012	0.013	180	*	7.79	7.84		D	16076+2900	I 1	2 C	A	AB	67	2.640	0.008	2.11	0.03	S
79011	9.990	0.024	8.339	0.011		1.381	0.021	T	1.35	0.03	L		8.3277	0.0016	0.015	118		8.30	8.35					1							
79012	9.242	0.019	8.062	0.012		1.011	0.018	T	0.99	0.01	L		8.1273	0.0012	0.011	70		8.11	8.15		D			1							
79013	9.227	0.019	8.645	0.017		0.566	0.015	G	0.64	0.01	H		8.7009	0.0017	0.011	56		8.68	8.72		C			1							
79014	9.953	0.024	9.451	0.024		0.472	0.031	T	0.54	0.03	L		9.5345	0.0026	0.024	103		9.49	9.59					1							
79015	10.074	0.034	9.463	0.030		0.666	0.015	G	0.73	0.01	H		9.5216	0.0021	0.017	65		9.49	9.55		C			1							
79016	10.692	0.061	10.255	0.071	B	0.485	0.072	G	0.56	0.08	R		10.5469	0.0297			B				D	16077+2022	I 2	1 C	I A						
79017	9.104	0.016	8.676	0.016	A	0.404	0.021	T	0.47	0.02	L		8.7501	0.0078	0.042	94	A	8.71	8.83		D	16077+2022	I 2	1 C	P A						S
79018	7.112	0.005	7.062	0.006		0.045	0.007	T	0.06	0.01	L		7.0906	0.0010	0.008	92		7.08	7.10		C			1							S
79019	8.896	0.012	8.086	0.009	*	0.716	0.011	T	0.77	0.01	L	*	8.2734	0.0016	0.016	144	*	8.25	8.31		D	16077−3802	I 1	2 C	B	AS	14	1.871	0.004	0.02	0.02	S
79020	9.105	0.020	8.089	0.015		0.875	0.020	T	0.88	0.01	L		8.1319	0.0021	0.011	53		8.11	8.15		C			1	S						
79021	9.158	0.018	8.575	0.017		0.529	0.001	G	0.60	0.00	H		8.6544	0.0012	0.010	52		8.64	8.67		D			1	S						
79022	9.389	0.017	7.877	0.009		1.271	0.015	T	1.23	0.02	L		7.9180	0.0014	0.013	102		7.89	7.94					1							S
79023	10.275	0.028	8.159	0.010		1.750	0.024	T	1.78	0.03	L		8.0231	0.0019	0.014	90		8.00	8.06		C			1							
79024	8.525	0.012	8.148	0.012		0.341	0.015	G	0.40	0.02	H		8.1899	0.0039	0.023	93		8.15	8.22		U 2			1							S
79025	10.096	0.020	9.544	0.019		0.517	0.025	T	0.59	0.03	L		9.5657	0.0057	0.051	158		9.50	9.64		U 2			1 X	S						
79026	9.136	0.014	8.658	0.014		0.463	0.015	T	0.53	0.02	L		8.6847	0.0015	0.016	130		8.66	8.71		C			1							
79027	9.962	0.019	9.327	0.017		0.587	0.027	G	0.66	0.03	H		9.3971	0.0022	0.023	151		9.35	9.44					1							
79028	8.490	0.012	7.392	0.008		0.948	0.011	T	0.94	0.01	L		7.4529	0.0010	0.010	76		7.44	7.47		C			1							S
79029	8.379	0.012	8.342	0.015		0.024	0.002	G	0.04	0.00	H		8.3611	0.0020	0.015	76		8.34	8.39					1	S						
79030	10.508	0.048	9.062	0.024		1.219	0.042	T	1.18	0.04	L		9.0546	0.0022	0.016	62		9.03	9.09		C			1							
79031	6.260	0.005	6.307	0.005		−0.038	0.006	T	−0.02	0.01	L		6.3134	0.0008	0.006	60		6.30	6.32		C			1							S
79032	8.371	0.008	8.310	0.010		0.061	0.012	T	0.07	0.01	L		8.3087	0.0014	0.019	157		8.28	8.34					1							
79033	8.803	0.013	8.714	0.016	A	0.136	0.015	G	0.15	0.01	H	*	8.7012	0.0020	0.018	96	*	8.68	8.73		C	16079−5342	I 1	2 C	D	AB	303	4.744	0.071	4.04	0.30	D
79034	8.815	0.017	8.519	0.018	*	0.281	0.023	T	0.32	0.03	L	*	8.5944	0.0022	0.014	54	*	8.56	8.61		D	16079+1425	I 1	2 C	S A	AB	15	0.162	0.013	1.32	0.42	S
79035	9.919	0.025	9.810	0.034		0.233	0.015	G	0.26	0.02	H		9.7798	0.0030	0.024	100		9.74	9.82					1							G
79036	7.326	0.004	7.042	0.005		0.273	0.006	G	0.31	0.01	H		7.0875	0.0009	0.010	166		7.07	7.11					1 X							S
79037	8.302	0.008	7.115	0.006	*	1.017	0.008	T	0.99	0.01	L	*	7.1802	0.0009	0.008	143	*	7.16	7.20		D	16080+4523	I 1	2 C	A	AB	284	0.251	0.005	1.37	0.07	S
79038	9.500	0.019	9.223	0.022		0.239	0.005	G	0.27	0.01	H		9.3030	0.0028	0.034	94		9.23	9.36	2.86	P 1 A			1							
79039	9.041	0.013	7.660	0.008		1.169	0.012	T	1.13	0.01	L		7.7130	0.0012	0.012	120		7.69	7.74					1							S
79040	9.277	0.015	8.820	0.015		0.431	0.019	T	0.50	0.02	L		8.8440	0.0014	0.016	88		8.82	8.87		C			1							
79041	8.915	0.017	8.450	0.017		0.460	0.015	G	0.53	0.02	H		8.4909	0.0025	0.013	58		8.47	8.52		C			1							
79042	8.595	0.011	8.508	0.014		0.104	0.015	G	0.12	0.02	H		8.5301	0.0019	0.016	95		8.51	8.55		C			1							
79043	6.173	0.003	5.097	0.003	A	0.931	0.003	T	0.93	0.00	L		5.1628	0.0081	0.012	89	A	5.13	5.18		D	16081+1703	I 2	1 C	P D						S D
79044	6.679	0.004	6.745	0.005		−0.056	0.006	T	−0.03	0.01	L		6.7391	0.0009	0.007	116		6.73	6.75					1							S
79045	7.662	0.010	6.350	0.007	B	1.140	0.015	G	1.10	0.02	H		6.4171	0.0193			B				D	16081+1703	I 2	1 C	I D						S D
79046	7.015	0.004	6.775	0.005		0.224	0.006	T	0.25	0.01	L		6.8046	0.0008	0.009	117		6.79	6.82					1							S
79047	6.929	0.006	6.753	0.006		0.169	0.008	T	0.18	0.01	L		6.7971	0.0007	0.007	69		6.79	6.81		C			1							S
79048	7.690	0.013	7.086	0.010		0.562	0.012	T	0.64	0.01	L		7.1390	0.0008	0.007	53		7.13	7.15		C			1							S
79049	9.312	0.017	7.368	0.007		1.613	0.015	T	1.63	0.01	L		7.3080	0.0017	0.012	93		7.29	7.32					1							S
79050	7.511	0.006	5.562	0.003		1.643	0.013	G	2.12	0.05	F		5.4200	0.0012	0.012	108		5.40	5.44		U 2			1	S						S
79051	9.077	0.013	8.668	0.013		0.406	0.015	G	0.47	0.02	H		8.7124	0.0017	0.018	131		8.69	8.75		C			1							
79052	10.317	0.025	8.897	0.014		1.199	0.022	T	1.16	0.02	L		8.8821	0.0011	0.017	143		8.85	8.92		D			1							
79053	8.753	0.011	8.607	0.013		0.140	0.016	T	0.15	0.02	L		8.6423	0.0015	0.015	130		8.61	8.67					1							S
79054	9.713	0.025	9.189	0.024		0.501	0.026	T	0.57	0.03	L		9.2665	0.0024	0.017	71		9.22	9.30					1							
79055	9.567	0.018	7.153	0.006		1.989	0.015	T	2.03	0.01	L		6.9383	0.0038	0.034	106		6.89	6.99		U 2			1	S						S
79056	7.382	0.005	7.428	0.007		−0.039	0.007	T	−0.02	0.01	L		7.4495	0.0011	0.011	152		7.43	7.47					1							S
79057	12.318	0.159	10.296	0.039		1.712	0.135	T	2.06	0.23	K		10.0746	0.0070	0.068	137		9.97	10.16		U 2			1							
79058	8.253	0.010	8.145	0.012		0.111	0.015	G	0.12	0.01	H		8.1746	0.0013	0.012	108		8.15	8.19					1							
79059	8.181	0.013	7.570	0.015		0.586	0.015	G	0.66	0.01	H		7.6312	0.0011	0.007	47		7.62	7.64		C			1							S
79060	9.502	0.019	7.625	0.008		1.560	0.016	T	1.58	0.02	L		7.5623	0.0012	0.012	96		7.55	7.58		C			1							
79061	9.582	0.022	8.668	0.017		0.796	0.021	T	0.83	0.01	L		8.7292	0.0036	0.019	60		8.70	8.79		U 2			1							
79062	10.127	0.028	9.769	0.030		0.339	0.038	T	0.40	0.05	L		9.8231	0.0019	0.020	106		9.79	9.85		C			1							
79063	11.512	0.090	10.474	0.053		0.903	0.078	T	0.90	0.06	L		10.6160	0.0025	0.024	98		10.57	10.66		C			1							G
79064	8.841	0.016	8.618	0.018		0.157	0.002	G	0.17	0.00	H		8.6761	0.0021	0.015	84		8.65	8.70					1	S						
79065	9.573	0.024	9.052	0.023		0.498	0.025	T	0.57	0.03	L		9.1364	0.0028	0.016	77		9.11	9.17					1							
79066	9.877	0.035	8.825	0.024		0.963	0.003	G	1.01	0.00	I		8.8118	0.0018	0.017	53		8.79	8.85		D	16084−1308	I 1	1							
79067	10.019	0.024	9.063	0.017		0.799	0.004	G	0.84	0.00	H		9.1179	0.0023	0.024	139		9.08	9.16					1							
79068	9.137	0.012	8.438	0.010		0.644	0.013	T	0.71	0.01	L		8.5063	0.0014	0.019	138		8.48	8.55					1							S
79069	9.007	0.013	8.724	0.015		0.268	0.021	T	0.30	0.03	L		8.6655	0.0089	0.115	111		8.60	9.56	1.70	P 1 A			1							
79070	8.732	0.009	7.417	0.006		1.117	0.008	T	1.08	0.01	L		7.4683	0.0013	0.013	153		7.45	7.49					1							S
79071	7.306	0.009	6.760	0.007	*	0.507	0.010	G	0.58	0.01	H	*	6.7978	0.0010	0.006	44	*	6.79	6.81		D	16085−1006	I 1	2 C	A	AB	195	0.483	0.002	0.52	0.01	S
79072	7.780	0.011	5.924	0.009		1.575	0.012	T	2.50	0.05	O		5.7080	0.0096	0.047	55		5.64	5.78		U 2			1	S						S
79073	9.320	0.017	8.571	0.014		0.670	0.017	T	0.73	0.01	L		8.6448	0.0017	0.011	80		8.63	8.66		C			1							
79074	10.365	0.031	9.246	0.019		0.964	0.028	T	0.95	0.02	L		9.3074	0.0020	0.019	100		9.27	9.33		C			1							
79075	9.723	0.021	9.227	0.021		0.581	0.015	G	0.65	0.01	H		9.2078	0.0032	0.027	86		9.17	9.26					1							
79076	8.948	0.011	9.022	0.015		−0.078	0.015	G	0.01	0.02	L		9.0303	0.0026	0.031	159		8.98	9.09		U			1							P
79077	10.064	0.026	8.453	0.012		1.280	0.020	G	1.24	0.02	R		8.4282	0.0018	0.014	107		8.40	8.46					1							
79078	9.602	0.024	9.175	0.025	*	0.417	0.028	T	0.48	0.03	L	*	9.2284	0.0023	0.017	83	*	9.19	9.25		D	16085−3155	I 1	2 C	A	AB	268	0.241	0.009	0.24	0.15	
79079	6.796	0.004	6.869	0.006		−0.062	0.007	T	−0.04	0.01	L		6.8650	0.0020	0.014	108		6.85	6.89		U 2			1							S
79080	7.348	0.048	7.006	0.047		0.190	0.510	G	0.34	0.04	L		7.0715	0.0893	0.424	126		6.87	7.89		D	16086−3906	I 2	1	S						S
79081	6.540	0.004	6.623	0.005		−0.071	0.002	G	−0.05	0.00	H		6.6258	0.0009	0.010	125		6.61	6.65		D	16086−3906	I 2	1							S
79082	10.005	0.024	9.194	0.020		0.733	0.024	T	0.78	0.02	L		9.2834	0.0017	0.017	99		9.25	9.32		C			1							
79083	9.149	0.025	8.470	0.021		0.605	0.020	G	0.67	0.02	H		8.5368	0.0027	0.013	48		8.52	8.56		C			1							
79084	9.833	0.022	9.311	0.022		0.499	0.023	T	0.57	0.02	L		9.3619	0.0025	0.020	94		9.33	9.40					1							
79085						1.140	0.020	G	1.10	0.02	H		11.3567	0.0187	0.101	45		11.17	11.53		U 2			1	S						G
79086	8.403	0.017	6.738	0.015		1.418	0.019	T	3.02	0.05	O		6.3675	0.0129	0.089	51		6.28	6.49		U 2			1	S						S
79087	8.984	0.013	8.538	0.012		0.422	0.015	G	0.49	0.02	H		8.6040	0.0023	0.018	107		8.58	8.64					1							S
79088	8.849	0.014	8.421	0.014	*	0.404	0.018	T	0.47	0.02	L	*	8.5267	0.0024	0.022	117	*	8.50	8.58		D	16086+4003	I 1	2 C	A	AB	90	8.382	0.010	2.10	0.04	S
79089	9.226	0.012	8.062	0.008		0.999	0.011	T	0.98	0.01	L		8.1183	0.0011	0.015	175		8.09	8.15					1							S
79090	10.675	0.039	10.008	0.034		0.618	0.043	T	0.69	0.04	L		10.1297	0.0031	0.043	168		10.02	10.19		U 2			1							
79091	9.460	0.014	8.974	0.014	A	0.480	0.072	G	0.47	0.03	L	*	9.0146	0.0019	0.023	154	*	8.97	9.05			16087+2212	H 1	2 C	A	AB	79	1.292	0.045	3.21	0.14	
79092	9.782	0.021	9.069	0.018		0.642	0.021	T	0.71	0.02	L		9.1699	0.0019	0.017	97		9.14	9.21		C	16087−4835	I 1	1							
79093	8.986	0.015	7.757	0.010	*	1.050	0.014	T	1.02	0.01	L	*	7.8216	0.0017	0.012	65	*	7.80	7.84		D	16087+0524	H 1	2 C	A	AB	125	0.224	0.009	0.63	0.24	S
79094	10.076	0.037	9.505	0.035		0.616	0.015	G	0.68	0.01	H		9.6066	0.0015	0.014	55		9.58	9.64					1							
79095	9.327	0.017	8.820	0.017		0.363	0.020	G	0.42	0.02	R		8.8924	0.0017	0.014	92		8.87	8.92		C			1							
79096	9.023	0.013	8.714	0.014		0.331	0.013	G	0.39	0.02	H		8.7708	0.0023	0.019	116		8.74	8.82					1							
79097	9.398	0.019	8.850	0.018		0.520	0.019	T	0.59	0.02	L		8.8756	0.0022	0.019	104		8.84	8.91					1							
79098	5.880	0.004	5.859	0.004		0.020	0.005	T	0.04	0.01	L		5.8739	0.0009	0.006	67		5.86	5.88		C			1							S
79099	10.446	0.035	9.359	0.022		0.940	0.032	T	0.93	0.02	L		9.4161	0.0019	0.018	98		9.38	9.44		C			1							
79100	10.975	0.043	10.375	0.039		0.560	0.051	T	0.63	0.05	L		10.4628	0.0022	0.028	121		10.41	10.52					1							G

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
1 2	h m s 3	±° ′ ″ 4	mag 5 6 7		deg 8	deg 9 10	mas 11	mas/yr 12	mas/yr 13	mas 14	mas 15	mas 16	mas/yr 17	mas/yr 18	19	20	21	22	23	24	25	26	27	28	% 29	30
79101	16 08 46.20	+44 56 05.3	4.23	1 H	242.192 497 15	+44.934 818 83 +	14.27	−25.98	35.86	1.45	0.61	0.52	0.45	0.48	−30	−15	+10	−13	+30	−12	+ 0	+23	+10	+ 7	0	−1.63
79102	16 08 46.64	+17 12 20.6	6.13	H	242.194 342 73	+17.205 712 35	8.88	−19.13	−30.74	0.70	0.59	0.85	0.71	0.75	−15	−46	+11	+47	−18	−17	−27	+52	+23	−11	0	0.04
79103	16 08 47.31	+06 38 46.0	8.11	H	242.197 144 38	+06.646 114 15	1.63	−8.36	7.22	0.99	0.80	1.21	1.22	1.01	−26	−17	−43	+35	−16	+21	− 1	+24	−25	−39	0	0.83
79104	16 08 48.00	+35 32 59.5	7.57	1 H	242.200 007 44	+35.549 864 13	5.28	−14.92	13.71	0.58	0.57	0.75	0.72	0.74	+15	+ 7	+ 9	+21	− 2	+ 2	− 3	+ 8	−19	+16	1	2.18
79105	16 08 48.25	+35 41 28.7	9.11	H	242.201 058 52	+35.691 292 85	4.77	−6.11	−21.32	0.72	0.81	1.03	0.84	1.01	+21	+19	+15	+ 3	− 3	+11	− 8	+13	−17	+17	0	−0.34
79106	16 08 48.44	+01 50 47.3	8.21	2 H	242.201 824 33	+01.846 484 79	1.00	−10.59	0.65	0.96	0.69	1.05	1.08	0.98	−44	−31	+10	+34	−19	+ 4	−19	+34	+ 7	−35	0	−1.19
79107	16 08 48.56	−15 27 56.7	10.17	3 H	242.202 342 03	−15.465 760 83	11.37	21.13	−6.92	1.76	1.59	2.21	2.04	1.56	−21	− 2	−58	+42	−29	+31	−13	+49	−32	−37	6	0.55
79108	16 08 49.47	−66 21 09.0	9.73	H	242.206 142 75	−66.352 488 47	5.03	−20.33	−20.11	0.97	1.15	1.66	1.05	1.32	− 8	−26	+ 4	−30	+11	+ 3	+13	+33	− 4	− 9	2	1.25
79109	16 08 49.55	+50 51 26.5	9.07	H	242.206 461 65	+50.857 361 95	6.58	−25.34	47.93	0.71	0.76	0.82	0.85	0.88	− 1	+ 3	+ 3	− 1	+ 4	+ 8	+ 6	+ 9	− 4	−27	1	−0.02
79110	16 08 49.55	−08 35 19.1	9.46	G	242.206 463 09	−08.588 636 21	3.60	−6.34	−12.30	1.49	1.06	1.57	1.71	1.45	− 6	−29	− 7	+29	+ 3	+11	+ 2	+38	+13	−12	0	1.18
79111	16 08 49.81	+14 07 22.3	9.09	H	242.207 553 63	+14.122 847 28	1.08	−14.29	1.18	1.27	0.94	1.48	1.85	1.41	−21	−33	+ 2	+ 6	+ 2	−14	+ 8	− 3	−17	−15	0	0.52
79112	16 08 50.98	−61 48 02.1	7.29	H	242.212 419 74	−61.800 571 49	2.01	2.37	−3.67	0.50	0.64	0.86	0.67	0.84	−22	−11	−22	+10	−22	+16	−17	+48	−19	−26	0	0.87
79113	16 08 51.62	+11 51 59.4	8.72	H	242.215 096 54	+11.866 486 61	2.90	−9.29	0.34	1.02	0.85	1.21	1.33	1.09	−21	−24	−25	+ 8	−13	− 3	− 6	+21	−30	−24	0	−0.29
79114	16 08 51.66	+15 47 47.0	7.58	H	242.215 230 21	+15.796 397 50	1.73	−16.59	1.18	0.89	0.68	1.05	0.94	0.77	+ 3	−36	−16	+55	−15	−15	−13	+53	−12	+ 8	0	−0.86
79115	16 08 53.15	+24 55 50.1	9.27	H	242.221 471 52	+24.930 590 97	0.13	13.76	−0.90	0.87	1.10	1.75	1.09	1.52	+16	− 8	+11	+ 6	−14	− 9	−13	+ 2	−17	+23	0	1.85
79116 H	16 08 54.75	+45 21 11.8	7.87	H	242.228 131 41	+45.353 277 03 A	9.43	15.44	0.63	0.84	0.90	0.90	0.86	1.01	− 3	+ 6	+ 1	+ 7	+ 4	− 6	+ 9	+24	− 6	−23	0	−0.79
79117	16 08 55.52	+01 51 10.7	10.16	G	242.231 317 04	+01.852 958 95	19.99	−203.90	−379.48	1.57	1.12	1.76	1.79	1.73	−66	−45	+33	+33	−28	− 2	−31	+42	+13	−48	4	−2.22
79118	16 08 57.72	−36 56 17.9	9.31	H	242.240 483 80	−36.938 293 41	5.77	16.48	−24.08	1.11	0.71	1.41	1.33	1.19	− 3	−28	−15	+ 6	−12	+12	+ 6	+40	−18	−39	0	0.04
79119	16 08 58.33	+36 29 24.4	4.73	H	242.243 035 66	+36.490 109 35	28.84	−40.71	343.47	0.43	0.42	0.54	0.54	0.50	+18	+ 2	+ 4	−16	−11	+ 7	−13	−11	− 9	+18	0	0.49
79120	16 08 58.90	+03 27 16.0	5.93	H	242.245 419 59	+03.454 445 15	7.58	−36.32	12.17	0.64	0.49	0.78	0.88	0.73	−47	−19	+11	+10	− 8	− 2	− 7	+11	− 9	−17	0	0.80
79121	16 09 01.46	−08 13 07.7	7.56	H	242.256 074 35	−08.218 798 51	5.94	9.06	−11.13	0.94	0.73	1.04	1.10	1.04	−13	−34	− 4	+28	+ 5	+ 0	− 1	+28	+23	−30	0	0.15
79122	16 09 02.16	−09 38 52.0	7.25	H	242.258 982 04	−09.647 785 98	15.22	−32.22	−6.64	0.86	0.59	0.92	0.99	0.82	− 4	−31	+ 0	+17	+29	+ 7	+21	+ 5	+27	− 2	0	1.53
*79123	16 09 02.62	+56 52 18.7	8.10	G	242.260 900 49	+56.871 872 83	4.97	−22.66	−3.99	0.61	0.61	0.65	0.71	0.71	+ 7	− 7	− 4	− 8	− 4	− 1	− 6	+21	+ 5	+13	1	1.75
*79124	16 09 02.61	−18 59 43.8	7.76	H	242.260 855 23	−18.995 509 00	6.64	−7.84	−23.43	0.91	0.67	0.97	1.08	0.84	− 9	−24	−19	+26	+ 4	+ 2	+ 4	+26	+ 6	−20	0	0.83
79125	16 09 02.92	+57 56 16.1	6.33	H	242.262 150 69	+57.937 801 85	8.13	−23.70	33.37	0.54	0.48	0.54	0.69	0.57	+17	−15	−15	−12	−14	+16	− 8	+11	− 2	+12	3	0.49
79126	16 09 02.94	+52 56 37.4	10.24	H	242.262 263 40	+52.943 726 24	58.53	203.99	60.79	0.94	1.00	1.06	1.32	1.24	− 3	− 7	−12	−12	+10	−10	+ 8	−14	+ 3	+ 0	3	0.64
79127	16 09 04.20	−30 15 31.3	8.21	H	242.267 503 40	−30.258 706 47	19.58	49.43	0.83	1.04	0.89	1.42	1.46	1.18	−34	− 6	−42	+16	−32	+45	−14	+59	−43	−47	3	−0.60
79128	16 09 05.18	−45 29 51.0	8.85	H	242.271 585 64	−45.497 495 25	8.79	−28.07	21.18	1.00	0.72	1.25	1.03	0.88	− 1	−30	−23	+ 6	−15	−13	−13	+30	−10	−22	0	0.11
79129	16 09 05.72	−05 42 12.9	9.39	G	242.273 843 85	−05.703 573 10	0.17	−4.27	−4.60	1.60	1.07	1.44	1.64	1.30	+15	−45	− 7	+53	+14	− 4	+20	+56	−15	+12	0	−0.25
79130	16 09 05.89	+17 21 59.2	7.91	H	242.274 524 10	+17.366 451 41	5.15	−9.85	10.67	0.93	0.74	1.21	0.96	1.00	+ 0	−46	+ 7	+43	− 4	+ 5	−19	+53	+30	+15	0	−0.99
79131	16 09 07.10	+50 43 59.7	8.17	G	242.279 577 14	+50.733 240 79	5.49	−34.91	45.10	0.60	0.61	0.68	0.75	0.77	− 3	+ 2	+ 6	+ 7	− 4	− 6	− 2	+15	− 7	−28	0	−1.20
79132	16 09 08.58	−04 28 02.1	8.60	G	242.285 764 24	−04.467 247 70	9.29	21.11	−39.13	1.24	0.81	1.22	1.55	1.32	−22	−33	− 5	+34	−12	− 5	−13	+50	+ 6	−20	0	−0.56
79133	16 09 09.05	−56 03 28.6	6.51	2 H	242.287 700 17	−56.057 936 88	1.32	0.43	−2.66	0.64	0.51	0.78	0.73	0.70	− 2	−20	−16	+ 4	−14	− 9	−10	+23	−21	−17	0	0.89
79134	16 09 09.35	+50 10 51.0	6.86	H	242.288 976 00	+50.180 820 80	5.29	−7.57	17.56	0.49	0.47	0.54	0.47	0.50	+ 0	− 5	+ 8	−11	− 2	− 5	+ 1	+ 7	− 4	−12	0	−0.65
79135 H	16 09 09.41	−10 56 36.9	8.74	H	242.289 226 76	−10.943 583 59 *	2.53	−1.16	−17.25	4.34	3.01	2.60	2.41	2.16	−17	−35	−21	+25	+21	−23	+ 9	+ 7	+13	−42	1	0.54
79136	16 09 10.53	−44 43 59.7	9.25	H	242.293 889 95	−44.733 240 11	4.64	9.90	11.82	1.12	0.82	1.35	1.18	0.94	+ 0	−28	−25	+14	− 5	− 1	− 2	+30	− 9	−11	0	1.73
79137	16 09 11.06	+06 22 49.8	5.93	H	242.296 097 13	+06.380 509 93	32.84	258.17	−746.68	0.73	0.60	0.96	0.96	0.85	−33	−14	−32	+27	−17	+29	− 3	+24	−26	−45	0	0.60
79138	16 09 11.13	−32 05 58.5	7.45	H	242.296 379 14	−32.099 589 18	18.01	−11.04	−306.77	0.81	0.56	1.00	0.83	0.71	−22	−27	−11	− 3	− 6	+ 7	+ 5	+31	−37	−24	3	0.16
79139	16 09 12.60	+12 55 55.6	7.67	H	242.302 514 37	+12.932 099 25	15.81	2.38	99.48	0.94	0.71	1.11	1.01	0.92	−37	−52	+20	+17	+ 2	− 2	+ 4	+12	+ 0	−17	0	0.57
79140	16 09 12.72	−26 18 51.7	9.81	H	242.303 003 35	−26.314 354 24	2.11	1.30	3.68	1.32	0.87	1.63	1.55	1.37	−35	−17	−22	−12	+ 8	− 7	+16	+18	−31	−40	0	−1.62
79141	16 09 13.29	+28 03 15.2	9.12	H	242.305 362 68	+28.054 228 46	2.97	−4.36	−7.76	0.64	0.80	1.20	0.68	0.97	+19	− 6	+ 5	+ 2	+12	− 5	+14	+ 5	− 9	+28	0	2.12
79142	16 09 13.65	−29 18 15.5	9.12	G	242.306 876 87	−29.304 302 88	5.61	−12.48	−12.81	1.51	1.34	1.79	1.90	1.87	−45	−13	−36	+30	−46	+31	−28	+71	−43	−63	0	0.56
79143	16 09 13.82	−71 04 07.1	7.23	1 G	242.307 580 68	−71.068 651 07	37.30	−199.75	−393.16	0.60	0.72	1.02	0.62	0.85	+14	−26	− 6	−11	− 3	+ 0	− 5	− 2	+ 8	+13	1	
79144	16 09 14.22	−56 54 07.5	7.85	G	242.309 258 47	−56.902 069 96	3.24	−4.42	−5.72	0.80	0.66	0.97	1.02	0.86	+ 7	− 3	− 8	+35	+21	+ 9	+21	+42	+ 3	+15	0	−0.12
*79145	16 09 14.98	−69 35 23.5	8.06	H	242.312 429 24	−69.589 857 43	1.99	−10.04	−13.22	0.46	0.67	0.94	0.50	0.82	+27	−15	−14	−14	+ 2	− 5	− 2	+18	− 3	+34	0	0.50
*79146 H	16 09 14.96	−21 56 27.7	9.35	G	242.312 321 31	−21.941 016 22 A	7.07	−11.66	2.85	2.47	2.75	2.30	2.41	1.89	+11	−20	−25	+10	− 5	+ 7	+ 6	+12	−41	− 2	3	−0.16
79147	16 09 15.65	+19 57 30.8	9.68	H	242.315 191 59	+19.958 554 42	1.81	−10.07	−19.19	1.10	1.17	1.62	1.10	1.53	−16	−12	+ 1	−42	−36	+31	−43	+42	−14	−18	2	1.79
79148	16 09 15.92	−50 42 04.8	9.08	H	242.316 337 93	−50.701 335 47	3.40	−46.07	−37.72	1.40	1.00	1.58	1.68	1.34	+19	−20	−23	+38	+14	+ 7	+21	+56	−20	+10	0	0.24
79149	16 09 17.08	−35 29 54.4	8.66	H	242.321 148 12	−35.498 440 10	12.02	−61.80	−97.02	1.26	0.78	1.56	1.59	1.16	−25	−34	−21	−15	+15	−31	+18	+14	− 2	−48	0	−2.41
79150	16 09 17.14	+49 46 40.8	9.23	H	242.321 413 48	+49.777 987 10	6.09	−21.74	−2.04	0.73	0.71	0.81	0.74	0.78	+ 0	−14	− 3	− 5	+ 9	− 7	+11	+ 4	− 7	−10	2	1.64
79151	16 09 17.39	−39 38 47.0	9.08	H	242.322 475 47	−39.646 393 77	8.59	−35.61	−4.73	1.03	0.70	1.39	1.15	1.12	− 6	− 2	−17	− 3	−22	− 2	−18	+42	−39	−19	0	0.32
79152	16 09 17.65	+41 05 42.1	6.69	H	242.323 534 99	+41.095 040 03	27.20	−207.82	66.50	0.46	0.48	0.61	0.55	0.58	+ 0	−12	− 2	−10	+ 0	+ 9	+ 1	− 4	− 2	−26	1	1.05
79153	16 09 18.56	−57 56 03.0	5.57	H	242.327 347 37	−57.934 172 99	12.02	−13.19	−59.65	0.55	0.51	0.68	0.64	0.63	+ 1	−12	−11	+44	+27	−13	+30	+48	− 3	− 9	0	0.21
79154	16 09 19.33	+27 22 32.2	8.16	2 H	242.330 554 17	+27.375 621 20	5.47	2.79	0.61	0.50	0.62	0.95	0.63	0.83	+23	− 6	− 6	−12	+20	+ 8	+16	+ 6	+13	+49	3	0.43
79155	16 09 20.26	−58 30 15.3	8.99	H	242.334 403 09	−58.504 247 96	1.76	−9.70	3.91	0.88	0.84	1.19	1.03	1.03	+ 5	+ 4	+ 0	+37	+34	− 5	+35	+47	+ 7	+ 7	0	0.07
79156	16 09 20.89	−19 27 25.8	8.06	G	242.337 057 38	−19.457 155 12	6.03	−10.10	−21.77	1.09	0.72	1.17	1.15	0.85	− 7	−42	−11	+24	+ 1	+10	+ 8	+34	−13	−14	0	−0.79
79157	16 09 21.48	+52 54 17.8	7.80	H	242.339 507 26	+52.904 948 51	5.62	1.92	12.40	0.66	0.66	0.73	0.77	0.77	+17	− 4	−19	−10	− 5	−10	− 7	− 6	+17	+ 7	0	1.28
79158	16 09 21.89	−35 44 11.6	8.98	2 H	242.341 195 86	−35.736 544 78	0.55	−6.35	−9.11	1.40	0.96	1.94	2.42	1.46	−23	−22	−14	+14	+20	−47	+12	+32	+ 5	−21	0	2.22
79159	16 09 22.03	+21 49 46.5	8.09	H	242.341 790 91	+21.829 590 53	5.07	−21.48	−43.53	0.75	0.70	1.12	0.77	0.94	+31	−28	− 9	− 7	−31	+ 5	−27	+29	− 1	+ 2	0	0.44
79160	16 09 22.72	−12 22 33.6	7.53	H	242.344 679 56	−12.375 990 71	4.34	−1.57	−1.13	0.88	0.71	0.97	1.00	0.88	−17	−19	−22	+14	−11	− 3	− 8	+27	− 7	−36	0	2.39
79161	16 09 23.53	+63 24 27.6	6.86	H	242.348 021 74	+63.407 670 20	4.83	4.75	−13.25	0.45	0.48	0.50	0.43	0.51	+11	− 7	+ 0	−18	+ 2	− 9	+ 6	+13	− 6	+ 2	1	1.20
79162	16 09 24.80	+30 52 00.9	9.62	2 H	242.353 331 19	+30.866 906 47	3.12	−32.25	8.05	0.95	1.13	1.49	0.93	1.38	+28	−17	− 6	+ 4	+12	+ 3	+20	+31	−17	+10	1	0.31
79163	16 09 25.72	+44 42 40.0	8.66	H	242.357 158 41	+44.711 117 67	0.28	−2.49	−3.61	0.79	0.74	0.89	0.80	0.86	+17	+20	+11	+ 1	+10	− 8	+15	+18	+14	+ 8	0	−0.17
79164	16 09 26.01	+55 49 44.1	6.43	H	242.358 364 22	+55.828 918 51	7.45	−32.69	23.18	0.48	0.46	0.51	0.59	0.57	+ 3	− 5	−15	+21	− 1	+ 8	+ 0	+12	− 7	− 5	0	1.06
79165	16 09 26.69	+11 34 27.2	7.45	G	242.361 196 23	+11.574 215 32	30.29	−97.64	100.93	0.80	0.65	0.97	1.13	0.92	−10	−19	− 7	+ 3	−10	−19	− 5	+16	−31	− 3	0	0.29
79166	16 09 27.97	+11 44 52.4	7.04	G	242.366 540 83	+11.747 885 02	11.23	−7.00	10.28	0.73	0.59	0.85	0.99	0.85	−27	−20	− 4	+ 2	−14	−14	−12	+22	−22	−16	0	−0.18
79167	16 09 28.09	−04 33 59.4	8.78	H	242.367 044 97	−04.566 511 80	1.85	−9.59	−14.86	1.29	0.78	1.29	1.71	1.25	−19	−32	−10	+17	−14	−14	−18	+36	+ 2	−16	0	0.78
79168	16 09 30.07	+43 06 36.8	8.42	H	242.375 276 06	+43.110 231 82	2.41	−6.45	−40.88	0.66	0.73	0.86	0.78	0.88	− 2	+ 2	−12	+ 2	+ 7	−21	+ 7	+13	+ 6	−22	0	0.37
79169	16 09 30.11	−17 11 16.1	7.89	G	242.375 448 18	−17.187 813 36	16.58	−32.12	−90.33	0.92	0.70	1.06	1.04	0.80	−11	−33	−28	− 6	−13	+13	− 3	+14	−23	−14	0	0.72
79170	16 09 30.96	−00 36 33.1	10.65	G	242.379 019 59	−00.609 201 00	15.24	−26.29	−97.35	1.98	1.18	1.94	2.45	2.02	−24	− 2	−10	+19	+25	− 4	+35	− 4	+ 3	−18	0	−0.36
79171 H	16 09 31.20	+67 21 54.0	9.11	H	242.380 019 99 *	+67.365 009 02 *	4.13	−3.28	−2.64	0.76	0.77	0.81	0.92	0.93	+ 8	−12	−15	−12	− 1	− 3	− 1	−10	− 3	+12	0	−0.56
79172	16 09 31.30	−49 56 50.3	9.73	G	242.380 405 67	−49.947 316 96	3.29	−2.18	−2.90	1.60	0.98	1.78	1.77	1.28	+29	−32	−14	+30	+29	− 2	+35	+42	−18	+26	0	−1.05
79173 H	16 09 31.76	−32 38 56.2	6.18	G	242.382 321 04	−32.648 938 35 A	9.49	−22.76	−30.22	1.60	1.24	1.47	1.50	1.36	−26	−29	+18	+28	−24	−15	−18	+52	+ 6	−35	10	1.75
79174	16 09 32.10	−06 43 39.8	8.43	H	242.383 748 17	−06.727 735 07	4.55	2.82	5.72	1.35	1.33	1.35	1.50	1.64	−32	−31	−25	+52	−46	+17	−28	+78	−29	−53	0	−0.73
79175	16 09 32.66	−43 39 14.7	8.23	H	242.386 093 69	−43.654 072 74	2.43	−8.67	12.77	1.04	0.68	1.26	1.07	0.85	−10	−39	−22	+11	+ 3	− 5	+ 7	+33	− 5	−27	0	0.77
79176	16 09 34.74	+88 30 42.3	9.27	H	242.394 740 49	+88.511 739 94	3.46	2.91	2.99	0.73	0.80	0.85	0.83	0.98	+ 1	+ 1	− 6	−23	−11	− 9	−12	+ 6	+ 0	+ 1	0	−0.51
79177 H	16 09 36.17	+26 58 22.2	7.89	H	242.400 697 89	+26.972 836 53 A	1.96	−3.59	8.11	1.42	1.56	1.43	0.91	1.32	+50	− 4	− 7	−12	+18	+12	+11	+ 7	+19	+56	2	−0.78
79178	16 09 38.06	+05 52 37.6	9.24	2 H	242.408 582 15	+05.877 097 40	5.83	−7.51	−17.64	1.26	1.08	1.55	1.70	1.80	−27	−26	−16	+30	−16	+ 4	− 8	+41	−15	−39	0	2.42
79179	16 09 38.68	−52 06 54.9	7.61	H	242.411 153 25	−52.115 244 83	3.28	−5.49	−20.74	0.78	0.62	0.93	0.92	0.80	+14	−23	−16	+32	+18	− 2	+19	+44	− 8	+17	0	0.02
79180	16 09 39.24	+65 49 47.2	9.24	H	242.413 514 81	+65.829 765 87	12.82	93.01	−258.64	0.72	0.70	0.77	0.73	0.86	− 1	−14	− 6	−16	+ 1	+ 0	+ 6	+ 2	−24	− 6	0	0.12
79181	16 09 39.89	+16 48 18.2	8.26	H	242.416 190 85	+16.805 065 09	0.02	6.40	−4.84	1.01	0.80	1.19	1.02	1.04	−19	−43	+ 6	+37	−31	−23	−37	+44	+13	−16	0	1.10
79182	16 09 39.96	+15 50 07.4	8.77	H	242.416 479 88	+15.835 388 10	2.79	7.09	−6.02	1.09	0.88	1.32	1.19	1.02	−10	−38	−12	+54	−26	−15	−23	+58	− 7	+ 0	0	2.16
79183	16 09 40.32	−38 04 49.3	10.92	H	242.418 012 78	−38.080 372 47	13.39	−101.56	−239.60	1.82	1.11	2.13	2.00	1.57	+13	−21	−18	+18	+ 3	+10	+12	+39	−15	− 7	2	2.37
79184	16 09 40.34	+18 26 16.9	8.36	H	242.418 100 81	+18.438 030 20	0.92	−16.20	−21.69	0.95	0.82	1.14	1.05	1.07	+ 0	−35	−14	+33	−17	+ 3	−19	+39	+ 6	−11	0	1.23
79185	16 09 40.69	−27 53 40.2	7.90	H	242.419 550 76	−27.894 507 97	4.55	−32.04	−57.49	0.97	0.66	1.01	1.23	0.94	−28	−19	+16	+21	+21	+11	+23	+25	− 3	−18	0	0.57
79186	16 09 41.29	+40 07 06.3	8.31	G	242.422 059 42	+40.118 427 99	18.34	−150.02	263.49	0.68	0.64	0.85	0.86	0.77	+ 9	+ 0	+ 3	+18	+13	− 5	+ 9	− 3	+18	− 8	0	0.01
79187	16 09 41.41	+00 49 11.6	6.68	1 H	242.422 538 84	+00.819 894 00	1.57	−7.96	−21.17	0.87	0.53	0.86	0.97	0.75	−30	−34	+18	+41	+ 0	− 1	+ 3	+29	+ 8	−13	0	−0.05
79188	16 09 42.21	−06 32 59.1	9.84	H	242.425 891 93	−06.549 758 57	3.00	−11.98	8.84	1.72	1.48	1.79	1.66	1.72	−10	−47	−22	+38	−31	+14	−10	+71	−25	−39	0	0.70
79189	16 09 42.35	−33 29 20.9	8.75	H	242.426 442 31	−33.489 146 60	−0.44	−13.58	−4.44	1.25	0.83	1.33	1.47	1.08	− 8	−17	−21	+36	+ 7	+ 0	+11	+44	−14	−15	0	0.56
79190	16 09 42.94	−56 26 45.5	7.11	G	242.428 904 60	−56.445 961 79	69.66	−136.14	334.48	0.73	0.60	0.90	0.85	0.77	+ 0	−24	−24	+24	− 1	− 2	+ 3	+36	−15	−16	0	0.75
79191	16 09 45.60	+10 51 52.0	8.51	H	242.439 994 35	+10.864 452 19	4.33	−14.21	−3.07	0.96	0.76	1.12	1.30	1.11	−13	−12	−15	+33	−13	+ 1	−11	+24	−20	−17	0	−0.68
79192	16 09 45.78	−26 26 23.8	8.17	H	242.440 762 94	−26.439 954 01	4.52	−12.24	−10.66	0.93	0.61	1.17	0.96	0.93	−35	−35	− 6	+ 3	− 6	+ 1	+11	+28	−44	−32	0	−0.63
79193	16 09 48.08	+25 59 53.1	8.52	H	242.450 314 12	+25.998 086 16	16.14	−5.17	66.97	0.58	0.69	1.01	0.70	0.94	+ 9	−13	−14	+16	− 4	+ 0	− 4	+ 5	−11	+ 1	0	−0.25
79194	16 09 49.89	−49 36 50.7	8.52	H	242.457 875 02	−49.614 070 19	2.35	−10.63	11.70	1.06	0.72	1.27	1.20	0.90	+20	−34	−26	+17	+13	+ 1	+21	+38	−25	+13	0	0.48
79195	16 09 50.53	−03 28 00.2	5.39	G	242.460 551 44	−03.466 730 76	6.60	−24.27	0.64	0.81	0.52	0.91	1.16	0.95	−32	−21	−10	+20	− 8	−30	−17	+25	+36	−43	0	−0.58
79196	16 09 50.82	−11 07 56.2	8.33	G	242.461 739 52	−11.132 277 20	12.75	−21.12	−33.31	1.52	0.99	1.78	1.49	1.33	+ 3	−51	−33	+26	+32	−34	+11	− 6	+25	−46	0	−0.08
79197	16 09 51.18	−41 09 27.7	8.61	G	242.463 268 20	−41.157 696 07	4.77	−3.37	−11.92	0.94	0.87	1.28	1.30	1.30	−31	− 9	−31	+24	−34	−14	−28	+59	− 4	−60	0	−1.27
79198 H	16 09 51.87	−31 36 14.5	8.73	H	242.466 125 17	−31.604 037 19 A	2.23	21.27	−9.66	2.50	1.59	2.61	2.63	2.04	−20	−12	−16	+18	+ 2	− 7	+14	+35	−22	−19	0	0.45
79199

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
79101	4.173	0.002	4.227	0.002		−0.045	0.003	T	−0.02	0.00	L	4.2233	0.0004	0.004	126		4.22	4.23	7.02	P 1		1 O							S P
79102	6.124	0.004	6.129	0.004		−0.003	0.005	T	0.02	0.01	L	6.1420	0.0009	0.006	90		6.13	6.16		C		1							S
79103	10.128	0.029	8.270	0.012		1.545	0.025	T	1.61	0.05	L	8.2348	0.0026	0.018	78		8.20	8.26		R		1							
79104	7.926	0.007	7.598	0.008		0.324	0.015	G	0.38	0.02	H	7.6444	0.0020	0.021	138		7.62	7.68		U		1							S
79105	9.674	0.018	9.134	0.017		0.506	0.022	T	0.58	0.02	L	9.2200	0.0021	0.019	132		9.19	9.26		C		1							
79106	10.488	0.034	8.450	0.012		1.688	0.029	T	1.71	0.03	L	8.3154	0.0057	0.044	109		8.26	8.38		U 2		1							
79107	11.108	0.086	10.241	0.067		0.725	0.015	G	0.77	0.01	H	10.3044	0.0047	0.030	50		10.23	10.36		U		1							G
79108	10.353	0.027	9.776	0.025		0.542	0.027	T	0.62	0.03	L	9.8444	0.0034	0.037	149		9.79	9.92				1							G
79109	9.649	0.020	9.127	0.019		0.490	0.025	T	0.56	0.03	L	9.1800	0.0029	0.019	106		9.14	9.22				1							
79110	10.002	0.033	9.567	0.034		0.478	0.015	G	0.55	0.02	H	9.5690	0.0031	0.013	49		9.55	9.60		C		1							
79111	10.651	0.056	9.260	0.029		1.176	0.049	T	1.14	0.04	L	9.2512	0.0022	0.017	52		9.22	9.28		C		1							
79112	9.462	0.015	7.484	0.006		1.640	0.013	T	1.66	0.01	L	7.3985	0.0010	0.009	134		7.38	7.42		C		1							S
79113	10.240	0.035	8.895	0.019		1.140	0.031	T	1.10	0.03	L	8.8828	0.0029	0.016	74		8.86	8.91				1							
79114	9.257	0.015	7.733	0.008		1.281	0.013	T	1.24	0.01	L	7.7416	0.0012	0.013	106		7.72	7.76		C		1							S
79115	9.682	0.016	9.315	0.017		0.348	0.022	T	0.41	0.03	L	9.3484	0.0031	0.033	178		9.29	9.40			16089+2456	I 1	1						S
79116	8.296	0.011	7.874	0.011	*	0.399	0.015	T	0.46	0.02	L *	7.9611	0.0013	0.015	138	*	7.93	7.98		D	16089+4521	I 1	2 C A	AB	159	3.001	0.003	1.24	0.02	S
79117	11.075	0.053	10.130	0.036		0.850	0.015	G	0.89	0.01	H	10.2620	0.0025	0.023	109		10.22	10.31		C		1							
79118	10.511	0.046	9.381	0.028		0.972	0.042	T	0.96	0.03	L	9.4725	0.0016	0.017	128		9.44	9.51				1							
79119	6.037	0.004	4.847	0.002		1.015	0.001	G	1.00	0.03	C	4.8948	0.0005	0.005	116		4.89	4.91			16090+3629	I 1	1 G						S
79120	7.876	0.008	6.095	0.004		1.471	0.002	G	1.49	0.02	L	6.0567	0.0007	0.007	103		6.05	6.07		C		1							S
79121	9.100	0.019	7.701	0.012		1.183	0.018	T	1.14	0.02	L	7.7253	0.0021	0.011	51		7.71	7.74		C		1							S
79122	7.641	0.010	7.287	0.010		0.349	0.015	G	0.41	0.02	H	7.3303	0.0020	0.009	50		7.32	7.34				1							S
79123	8.418	0.009	8.110	0.010		0.299	0.015	G	0.34	0.02	H	8.1653	0.0013	0.011	109		8.14	8.18				1							S
79124	8.003	0.010	7.786	0.013		0.249	0.015	G	0.28	0.02	H	7.8326	0.0013	0.009	58		7.82	7.86		C		1							S
79125	6.374	0.004	6.339	0.004		0.032	0.005	T	0.05	0.00	L	6.3497	0.0009	0.007	109		6.34	6.37			16090+5756	I 1	1 G						S
79126	11.785	0.097	10.305	0.042		1.585	0.082	G	2.57	0.19	I	10.2438	0.0027	0.024	113		10.21	10.29		C		1							
79127	8.921	0.016	8.274	0.014		0.593	0.016	T	0.66	0.01	L	8.3383	0.0028	0.013	64		8.32	8.36				1							
79128	9.447	0.017	8.894	0.017		0.524	0.018	T	0.60	0.02	L	8.9618	0.0027	0.020	103		8.93	9.00				1							
79129	9.550	0.025	9.377	0.030		0.188	0.020	G	0.21	0.02	H	9.4579	0.0030	0.018	49		9.43	9.49		C		1							
79130	8.091	0.010	7.936	0.012		0.149	0.015	T	0.16	0.01	L	7.9581	0.0015	0.012	83		7.94	7.98				1							S
79131	8.639	0.010	8.193	0.010		0.414	0.020	G	0.48	0.02	H	8.2607	0.0011	0.010	106		8.24	8.29				1							S
79132	9.261	0.022	8.692	0.020		0.573	0.015	G	0.65	0.01	H	8.7330	0.0019	0.014	69		8.71	8.75				1							
79133	8.442	0.014	6.781	0.008		1.389	0.013	T	1.36	0.02	L	6.6618	0.0036	0.021	85		6.62	6.69		U 2	16092−5603	I 1	1 S						S
79134	8.176	0.009	6.975	0.005		1.028	0.008	T	1.00	0.01	L	7.0271	0.0010	0.009	127		7.01	7.04				1							S
79135	9.358	0.022	8.799	0.021	*	0.523	0.027	T	0.60	0.03	L *	8.8520	0.0037	0.022	45	*	8.81	8.91		D	16092−1057	H 1	2 C A	AB	338	0.291	0.017	1.56	0.17	S
79136	10.624	0.040	9.407	0.024		1.040	0.036	T	1.01	0.03	L	9.4237	0.0021	0.021	97		9.38	9.45				1							
79137	7.212	0.006	6.054	0.005		0.988	0.005	G	1.02	0.07	F	6.0998	0.0008	0.006	71		6.09	6.11		C		1							S
79138	8.040	0.010	7.509	0.009		0.506	0.010	T	0.58	0.01	L	7.5637	0.0013	0.009	85		7.55	7.58		C		1							S
79139	8.116	0.012	7.729	0.010		0.417	0.004	G	0.48	0.00	H	7.7647	0.0014	0.011	70		7.75	7.79		C		1							S
79140	11.265	0.073	9.965	0.036		1.105	0.064	T	1.07	0.07	L	9.9775	0.0033	0.027	120		9.93	10.02				1							G
79141	10.592	0.031	9.234	0.015		1.150	0.027	T	1.11	0.02	L	9.2895	0.0020	0.024	205		9.25	9.34				1							
79142	9.603	0.025	9.151	0.026		0.430	0.020	G	0.50	0.02	H	9.2226	0.0019	0.015	56		9.19	9.25		D		1 S							
79143	8.127	0.007	7.310	0.005		0.714	0.017	G	0.74	0.02	A	7.3485	0.0012	0.014	192		7.33	7.37		M		1 X S							S
79144	9.376	0.020	8.000	0.011		1.350	0.015	G	1.32	0.02	H	7.9862	0.0018	0.015	100		7.96	8.01				1							
79145	9.308	0.010	8.170	0.007		0.979	0.010	T	0.96	0.01	L	8.2253	0.0014	0.018	249		8.19	8.26				1							
79146	9.989	0.036	9.450	0.034	*	0.565	0.020	G	0.64	0.02	H *	9.4645	0.0033	0.016	54	*	9.44	9.49			16092−2156	H 1	2 C A	AB	185	0.429	0.034	2.67	0.16	
79147	11.780	0.090	9.836	0.028		1.613	0.075	T	1.63	0.08	L	9.7906	0.0025	0.025	121		9.75	9.83				1							
79148	10.934	0.052	9.239	0.020		1.416	0.044	T	1.40	0.07	L	9.2228	0.0023	0.020	95		9.17	9.25		C		1							
79149	9.474	0.020	8.753	0.017		0.648	0.020	T	0.71	0.02	L	8.7935	0.0018	0.012	65		8.78	8.82		C		1							
79150	9.823	0.020	9.271	0.018		0.517	0.024	T	0.59	0.03	L	9.3407	0.0019	0.021	118		9.30	9.37				1							
79151	9.768	0.018	9.136	0.017		0.582	0.018	T	0.65	0.02	L	9.2045	0.0020	0.020	118		9.17	9.24		C		1							
79152	7.327	0.005	6.760	0.005		0.530	0.006	T	0.60	0.01	L	6.8100	0.0008	0.007	113		6.79	6.82		C		1							S
79153	5.539	0.002	5.568	0.002		−0.024	0.002	T	0.00	0.00	L	5.5752	0.0005	0.005	160		5.57	5.58				1							S
79154	8.503	0.009	8.196	0.010		0.308	0.009	G	0.35	0.01	H	8.2411	0.0018	0.026	218		8.19	8.28		U 2		1							S
79155	10.621	0.037	9.137	0.018		1.249	0.032	T	1.21	0.03	L	9.1494	0.0020	0.020	131		9.11	9.18		C		1							
79156	8.261	0.011	8.058	0.012		0.241	0.015	G	0.27	0.02	H	8.1144	0.0018	0.014	65		8.09	8.14		C		1							S
79157	9.493	0.016	7.918	0.009		1.321	0.014	T	1.28	0.02	L	7.9541	0.0016	0.015	117		7.93	7.99				1							S
79158	11.280	0.102	9.210	0.026		1.713	0.084	T	1.74	0.09	L	9.0851	0.0036	0.034	59		9.05	9.15		U 2		1							
79159	9.623	0.016	8.223	0.010		1.183	0.015	T	1.14	0.01	L	8.2528	0.0015	0.016	155		8.23	8.29				1							S
79160	7.666	0.010	7.537	0.009		0.117	0.012	T	0.13	0.01	L	7.5765	0.0018	0.011	62		7.55	7.60		C		1							S
79161	7.008	0.005	6.887	0.007		0.117	0.008	T	0.13	0.01	L	6.9095	0.0009	0.009	112		6.89	6.92		C		1							S
79162	11.354	0.057	9.718	0.023		1.369	0.048	T	1.34	0.06	L	9.7677	0.0028	0.031	154		9.72	9.83		U 2		1							
79163	10.603	0.041	8.872	0.017		1.444	0.035	T	1.44	0.06	L	8.7925	0.0014	0.020	118		8.76	8.83		D		1							S
79164	7.802	0.008	6.539	0.005		1.076	0.007	T	1.04	0.01	L	6.5940	0.0008	0.008	113		6.58	6.61		C		1							S
79165	8.155	0.009	7.518	0.011		0.604	0.015	G	0.67	0.01	H	7.5658	0.0015	0.014	72		7.54	7.59				1							S
79166	7.465	0.007	7.084	0.007		0.387	0.015	G	0.45	0.02	H	7.1325	0.0013	0.009	73		7.11	7.15		C		1							S
79167	10.154	0.043	8.938	0.026		1.039	0.039	T	1.01	0.03	L	8.9539	0.0020	0.016	56		8.92	8.99				1							
79168	9.786	0.018	8.539	0.012		1.064	0.017	T	1.03	0.01	L	8.5903	0.0018	0.015	115		8.57	8.61		C		1							S
79169	8.675	0.015	7.934	0.013		0.640	0.000	G	0.70	0.00	H	8.0091	0.0014	0.008	60		8.00	8.03		C		1							S
79170	11.893	0.132	10.708	0.067		1.080	0.015	G	1.04	0.01	H	10.7745	0.0045	0.029	90		10.72	10.81		C		1							G
79171	9.750	0.020	9.165	0.018	*	0.546	0.024	T	0.62	0.02	L *	9.2321	0.0015	0.020	116	*	9.20	9.27			16095+6722	H 1	2 C S B	AB	245	0.125	0.022	1.29	1.13	
79172	10.395	0.034	9.792	0.032		0.570	0.012	G	0.64	0.01	H	9.8808	0.0031	0.022	92		9.85	9.92		C		1							G
79173	7.126	0.007	6.237	0.006	*	0.790	0.020	G	0.82	0.01	H *	6.3306	0.0015	0.013	90	*	6.32	6.36		R	16095−3239	I 1	2 C A	AB	84	7.681	0.004	0.53	0.01	S
79174	10.050	0.039	8.534	0.020		1.274	0.034	T	1.23	0.04	L	8.5853	0.0028	0.013	49		8.56	8.60		C		1							
79175	10.199	0.029	8.414	0.012		1.487	0.025	T	1.51	0.04	L	8.3602	0.0014	0.014	93		8.33	8.38		C		1							
79176	9.829	0.023	9.335	0.022		0.465	0.029	T	0.54	0.03	L	9.3770	0.0024	0.021	115		9.34	9.42				1							
79177	9.356	0.011	8.027	0.007	*	1.128	0.010	T	1.09	0.01	L *	8.0615	0.0013	0.014	231	*	8.04	8.09		D	16096+2658	H 1	2 C A	AB	51	0.373	0.014	2.47	0.08	S
79178	10.559	0.048	9.406	0.030		0.990	0.044	T	0.97	0.04	L	9.3983	0.0025	0.027	62		9.33	9.47		U 2		1							
79179	7.802	0.007	7.625	0.010		0.162	0.012	T	0.18	0.01	L	7.6630	0.0015	0.011	92		7.65	7.69				1							S
79180	10.157	0.031	9.309	0.023		0.740	0.015	G	0.79	0.01	H	9.3794	0.0021	0.016	108		9.35	9.41		C	16097+6550	I 1	1						
79181	9.678	0.027	8.387	0.016		1.098	0.025	T	1.06	0.03	L	8.4279	0.0017	0.012	80		8.41	8.44				1							
79182	9.260	0.016	8.798	0.016		0.435	0.021	T	0.50	0.02	L	8.8618	0.0020	0.017	91		8.83	8.89		C		1							
79183	11.838	0.121	11.058	0.095		0.780	0.190	G	0.82	0.18	H	11.0613	0.0053	0.042	123		10.98	11.12				1 S							G
79184	10.008	0.029	8.511	0.016		1.260	0.026	T	1.22	0.03	L	8.5252	0.0014	0.015	79		8.50	8.55				1							
79185	9.846	0.028	8.066	0.012		1.483	0.024	T	1.50	0.04	L	8.0257	0.0012	0.012	90		8.01	8.05			16097−2754	I 1	1						S
79186	9.111	0.013	8.366	0.011		0.676	0.015	G	0.74	0.01	H	8.4417	0.0013	0.015	116		8.41	8.47				1							S
79187	8.459	0.014	6.834	0.006		1.360	0.012	T	1.33	0.01	L	6.8279	0.0019	0.016	84		6.81	6.85		U 2		1							S
79188	10.479	0.054	9.881	0.051		0.558	0.065	T	0.63	0.06	L	9.9573	0.0036	0.024	52		9.91	9.99			16097−0633	I 1	1						
79189	10.924	0.096	8.958	0.032		1.630	0.080	T	1.65	0.08	L	8.8631	0.0020	0.016	77		8.84	8.89		C		1							
79190	8.182	0.012	7.214	0.008		0.856	0.004	G	0.93	0.02	A	7.2499	0.0009	0.008	88		7.24	7.27				1							S
79191	8.842	0.014	8.546	0.016		0.281	0.020	T	0.32	0.03	L	8.5871	0.0031	0.021	68		8.55	8.63				1							S
79192	8.375	0.010	8.187	0.012		0.173	0.015	T	0.19	0.01	L	8.2329	0.0016	0.014	115		8.21	8.26				1							S
79193	9.229	0.011	8.595	0.010		0.584	0.011	T	0.66	0.01	L	8.6441	0.0016	0.018	166		8.62	8.68		C		1							S
79194	10.955	0.054	8.708	0.015		1.898	0.046	T	2.43	0.09	O	8.5564	0.0027	0.022	98		8.53	8.60				1							
79195	7.254	0.007	5.554	0.003		1.446	0.000	G	1.44	0.00	H	5.5120	0.0006	0.005	67		5.50	5.52		C		1							S
79196	9.083	0.019	8.397	0.017		0.627	0.015	G	0.69	0.01	H	8.4659	0.0020	0.013	50		8.44	8.49		D		1							S
79197	8.867	0.013	8.611	0.014		0.216	0.002	G	0.24	0.00	H	8.6681	0.0022	0.015	85		8.64	8.69		C		1							
79198	9.269	0.029	8.741	0.029	*	0.504	0.031	T	0.58	0.03	L *	8.8461	0.0024	0.016	81	*	8.82	8.87		D	16099−3136	I 1	2 C A	AB	359	7.623	0.006	0.94	0.03	
79199	5.400	0.003	5.488	0.003		−0.075	0.004	T	−0.05	0.01	L	5.4800	0.0006	0.005	80		5.47	5.49		C		1							S
79200	8.931	0.016	7.602	0.010		1.128	0.015	T	1.09	0.02	L	7.6214	0.0015	0.008	58		7.60	7.64		C		1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)												Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
1 2	h m s	±° ′ ″	mag	6 7	deg	deg	10	mas	mas/yr		mas		mas	mas/yr		19	20	21	22	23	24	25	26	27	28	% 29	30
79201	16 09 54.04	−31 14 26.3	8.98	H	242.475 159 33	−31.240 627 83		2.11	−2.10	−5.08	1.29	0.87	1.57	1.57	1.19	−14	−33	−22	+16	− 1	+10	+10	+46	−35	−13	2	1.11
79202	16 09 54.71	−46 55 33.1	9.47	H	242.477 966 84	−46.925 871 72		8.61	36.37	−76.70	1.19	0.86	1.45	1.52	1.22	+ 3	−21	−10	+10	+ 8	−15	+ 7	+26	−10	+12	4	2.73
79203	16 09 55.31	−18 20 25.6	6.43	H	242.480 467 89	−18.340 451 97		20.25	−67.44	−69.20	0.79	0.62	0.91	0.91	0.70	−17	−27	−28	+18	−14	+23	− 3	+32	−19	−32	0	3.01
79204	16 09 56.33	+59 52 18.4	6.76	H	242.484 696 14	+59.871 786 14		6.34	17.03	−9.00	0.49	0.47	0.53	0.50	0.52	+13	−26	−12	−11	− 8	+17	− 6	− 7	− 1	+11	4	2.10
79205	16 09 57.43	+24 24 52.0	10.25	H	242.489 283 06	+24.414 446 63		4.79	13.85	−30.32	0.75	1.10	1.68	0.94	1.44	+ 6	− 3	+ 2	+31	− 3	− 2	− 4	+15	− 5	+ 4	4	1.11
79206	16 09 58.88	−01 36 55.4	8.43	H	242.495 319 85	−01.615 383 21		4.47	39.05	−31.00	0.99	0.61	1.06	1.28	1.22	−33	− 6	−18	+30	−13	− 6	− 7	+28	+15	−54	0	−1.33
79207	16 09 59.15	−48 34 27.9	8.40	2 H	242.496 446 53	−48.574 425 42		1.31	−1.80	−1.84	0.91	0.70	1.14	1.27	1.03	− 4	−13	−16	+ 4	−12	+ 8	− 8	+27	−29	+ 0	0	−0.87
79208	16 09 59.19	−62 58 01.2	6.50	H	242.496 640 72	−62.967 006 96		9.58	−12.76	−60.72	0.47	0.51	0.73	0.52	0.62	−17	−15	− 5	+ 7	−16	−17	−12	+30	−14	−24	5	−0.07
79209	16 09 59.73	+40 07 35.2	9.04	H	242.498 888 92	+40.126 447 22		2.36	12.36	−11.93	0.74	0.78	1.01	0.96	0.83	+ 1	+ 3	− 6	− 5	+15	−10	+ 9	−28	+13	−18	0	1.75
79210	16 09 59.77	−63 28 35.2	8.55	H	242.499 026 83	−63.476 430 83	A	4.15	−24.46	−23.81	1.91	2.41	2.50	2.25	2.75	−15	+ 1	−22	+ 1	− 7	−27	−12	+40	− 9	−14	1	1.75
79211	16 09 59.90	−08 15 05.7	8.74	H	242.499 603 87	−08.251 595 28		14.19	−58.81	0.50	1.50	1.05	1.57	1.47	1.32	−22	−51	+12	+36	− 6	+11	− 4	+52	+ 1	−28	0	0.36
79212 H	16 10 00.02	−66 09 30.2	8.42	3 H	242.500 071 06	−66.158 396 85	A	4.06	−4.90	18.81	1.64	1.64	2.28	1.38	1.69	− 2	−26	+ 3	−40	+10	− 7	+21	+32	+ 0	−18	10	1.86
79213	16 10 00.28	−63 28 50.9	10.52	H	242.501 145 90	−63.480 792 37	B	−0.59	−4.19	−2.54	18.69	20.55	11.06	14.63	16.66	−10	+ 6	−17	−10	− 2	−30	− 8	+31	− 6	− 8	1	1.75
79214	16 10 00.54	−35 38 32.6	7.16	H	242.502 259 91	−35.642 375 19		13.71	27.31	−75.53	0.94	0.62	1.08	1.19	0.84	−29	−12	−26	−17	+31	−30	+33	+ 4	− 2	−44	0	−0.40
79215	16 10 01.06	−79 02 06.4	8.07	H	242.504 428 20	−79.035 107 50		2.15	5.47	−14.98	0.55	0.65	0.78	0.53	0.71	+ 3	−15	+11	− 9	−10	+ 0	−13	− 6	+18	+ 5	0	−0.43
79216	16 10 01.88	+81 08 38.6	7.91	H	242.507 842 73	+81.144 051 74		4.98	21.74	−19.73	0.57	0.66	0.65	0.60	0.83	+20	−23	−32	−26	−16	+ 8	−18	−23	+10	+ 9	2	1.28
*79217	16 10 02.43	+82 04 44.2	7.98	H	242.510 121 74	+82.078 954 07		6.40	18.80	0.03	0.49	0.58	0.63	0.57	0.75	+18	−19	−30	+ 9	+ 5	+12	+ 7	−13	+15	+14	1	2.23
*79218	16 10 02.27	+06 31 50.0	8.60	H	242.509 473 77	+06.530 550 98		5.79	24.75	−24.65	0.99	0.87	1.32	1.34	1.27	−37	+ 6	−46	+27	−20	+31	− 7	+22	−28	−49	0	0.69
79219	16 10 03.93	+26 44 33.6	6.57	H	242.516 359 64	+26.742 658 22		7.93	−18.35	37.66	0.40	0.49	0.73	0.46	0.66	+18	−14	− 1	−22	+20	+ 7	+14	+ 6	+ 5	+51	0	−0.17
79220	16 10 04.37	−42 48 13.5	9.23	H	242.518 222 69	−42.803 756 85		1.34	0.86	−3.04	1.20	0.81	1.56	1.51	1.16	−11	−17	−22	− 8	+ 9	−19	+14	+29	−11	−27	0	−1.15
79221	16 10 05.48	−57 45 35.0	7.83	H	242.522 822 42	−57.759 733 22		2.48	2.22	−9.48	0.74	0.67	0.93	0.83	0.79	+14	−13	−10	+42	+43	−18	+45	+51	− 5	+10	1	−0.28
79222 H	16 10 05.73	−73 01 32.1	7.89	H	242.523 883 71	−73.025 583 84	A	2.44	7.62	4.59	1.00	1.63	1.13	0.78	1.10	+11	− 7	− 3	+ 0	− 2	− 4	− 1	+ 3	− 1	+41	1	0.55
79223	16 10 05.87	+42 25 15.0	10.90	H	242.524 474 68	+42.420 820 22		2.40	−32.82	46.24	1.22	1.34	1.64	1.35	1.41	− 5	− 7	+21	+12	+ 7	− 7	+ 6	−16	+ 4	−11	0	−0.75
79224	16 10 06.23	+44 03 37.3	8.95	H	242.525 955 86	+44.060 352 49		0.52	−0.93	−20.43	0.72	0.76	0.89	0.77	0.86	− 4	− 1	− 3	+ 1	+13	−19	+14	+ 9	+10	−14	1	1.93
79225	16 10 06.48	+25 29 15.9	7.41	H	242.526 988 35	+25.487 763 30		3.13	1.92	11.91	0.48	0.57	0.87	0.57	0.76	+12	−13	+ 0	+ 1	− 8	+ 6	− 9	+ 3	− 5	+16	0	0.64
79226	16 10 07.02	+59 17 11.2	8.66	H	242.529 237 76	+59.286 450 06		11.39	15.21	24.65	0.77	0.67	0.78	0.75	0.74	− 6	−28	−11	−10	−12	+ 8	−11	− 1	− 6	− 2	0	0.63
79227 H	16 10 08.72	−65 31 39.6	8.74	H	242.536 337 92	−65.527 663 58	A	6.75	−6.24	−7.35	3.23	3.52	2.04	1.36	1.50	+27	+ 8	−10	−41	+ 9	−30	+ 4	+10	+22	−21	1	−0.13
79228	16 10 09.66	−11 37 19.8	9.70	H	242.540 262 64	−11.622 153 65		5.20	27.92	−3.63	1.54	1.50	2.28	1.83	1.61	− 5	−28	−62	+22	+17	−31	− 8	− 3	+26	−50	0	2.51
79229	16 10 09.89	−24 34 56.4	6.64	H	242.541 213 42	−24.582 337 00		9.70	−19.17	−34.29	0.74	0.46	0.86	0.87	0.63	−19	−20	− 9	+16	+ 6	+16	+12	+36	−27	−11	2	−0.95
79230	16 10 10.56	−40 07 43.7	7.07	H	242.543 998 53	−40.128 807 18		1.48	−6.28	−8.92	0.80	0.61	1.10	0.91	0.79	−24	−41	− 9	+17	−27	+17	− 8	+49	−27	−27	0	1.74
79231	16 10 12.29	+01 36 04.4	6.61	H	242.551 211 60	+01.601 224 57		8.21	11.32	−54.59	1.00	0.79	0.97	1.13	0.94	−38	−55	+16	+65	−20	−31	−18	+57	+ 9	−35	0	0.23
79232	16 10 13.14	−46 31 26.3	8.85	H	242.554 743 97	−46.523 977 56		5.09	−35.35	−21.14	1.04	0.75	1.20	1.38	1.07	+15	−18	− 1	+37	+24	+ 7	+25	+37	− 4	+23	0	2.05
79233	16 10 14.51	+25 04 14.4	11.43	3 H	242.560 467 53	+25.070 656 51	*	1.89	4.84	−2.41	1.13	1.25	1.82	1.45	1.85	+18	−28	+ 0	−24	−15	+11	−10	−11	−14	+31	2	1.08
79234	16 10 15.80	+40 33 19.7	7.71	H	242.565 827 29	+40.555 485 65		18.37	−86.72	93.08	0.61	0.56	0.77	0.76	0.63	+ 1	+ 5	− 2	+16	+ 7	+ 6	+ 2	− 9	+11	−18	1	−0.05
79235	16 10 15.93	−26 54 32.6	6.59	H	242.566 380 35	−26.909 046 16		5.73	−14.49	−32.91	0.75	0.51	0.86	0.79	0.74	−35	−35	− 2	+ 9	− 3	+ 8	+11	+25	−31	−36	2	−0.34
79236	16 10 16.09	+48 36 41.1	7.40	H	242.567 039 62	+48.611 421 24		5.30	−13.38	−16.77	0.55	0.55	0.62	0.66	0.69	+11	− 6	−13	− 7	+ 7	− 6	+ 5	+ 9	− 4	+25	3	1.96
79237	16 10 16.51	−42 48 56.7	8.74	H	242.568 811 66	−42.815 761 72		1.52	−2.89	−10.00	0.96	0.67	1.25	1.10	0.94	−20	−21	−21	−18	− 2	−20	+11	+27	− 9	−51	0	1.28
79238	16 10 16.70	+04 25 10.4	11.17	H	242.569 583 08	+04.419 549 62		3.76	−4.10	−14.04	2.41	1.90	2.81	3.29	3.58	−56	−19	−11	+33	−31	−14	−37	+33	+10	−67	0	0.61
79239	16 10 16.83	+37 29 34.2	9.48	H	242.570 129 33	+37.492 830 47		9.60	−49.45	3.16	0.79	0.87	1.06	0.88	1.00	+12	− 9	−10	− 9	+ 3	+ 4	+ 3	−11	+ 8	+ 3	0	−0.49
*79240	16 10 17.54	−47 54 50.7	8.97	G	242.573 067 45	−47.914 076 02		9.63	−97.30	−88.44	0.98	0.73	1.20	1.09	0.97	−13	−23	+ 0	+10	−15	−11	− 9	+30	−18	−20	0	−0.47
*79241	16 10 17.71	+54 39 28.5	8.48	H	242.573 798 50	+54.657 912 48		1.50	−11.38	−8.67	0.66	0.66	0.73	0.76	0.80	+10	− 2	−18	− 8	+ 7	−13	+ 3	+ 2	+11	+22	0	1.13
*79242	16 10 16.98	−84 13 53.5	7.70	1 H	242.570 763 06	−84.231 535 98		27.88	−337.59	−31.15	0.53	0.58	0.68	0.60	0.72	− 5	−17	− 6	+ 2	− 9	+ 4	− 9	+ 5	− 4	−11	4	1.78
79243	16 10 18.96	−43 39 23.6	8.34	H	242.578 999 82	−43.656 561 30		5.35	12.26	−10.09	0.96	0.81	1.17	1.14	1.09	−30	−26	−12	+16	−14	− 5	− 8	+47	− 5	−46	0	−0.17
79244	16 10 19.90	−22 09 25.0	7.05	H	242.582 907 63	−22.156 951 64		7.48	−4.32	−28.52	0.89	0.65	1.08	1.09	0.85	+ 2	−22	−34	+12	−19	+23	− 2	+33	−43	− 7	0	0.28
79245	16 10 22.14	−61 43 15.0	8.01	H	242.592 265 56	−61.720 845 90		1.37	0.63	−21.99	0.61	0.68	0.95	0.76	0.89	−15	−26	−17	+22	−14	+ 6	−10	+50	−13	−20	0	−0.34
79246	16 10 22.51	−72 34 28.7	9.04	H	242.593 810 94	−72.574 631 49		0.29	4.75	−6.06	0.67	0.92	1.18	0.75	1.10	+25	− 7	+11	+15	+ 8	+ 8	+ 7	+12	+ 8	+33	0	0.44
79247	16 10 23.38	−29 17 00.0	8.06	2 H	242.597 405 95	−29.283 336 51		4.44	−6.17	−13.72	1.10	0.82	1.27	1.28	1.09	−26	−24	−20	+ 0	−14	+16	− 3	+43	−23	−39	0	2.17
*79248	16 10 24.21	+43 49 06.1	6.61	H	242.600 863 31	+43.818 369 90		55.11	132.52	−298.38	0.47	0.49	0.59	0.52	0.55	+ 1	+ 2	−11	− 7	+18	−25	+16	+ 1	+10	− 1	0	−0.77
*79249	16 10 24.19	−30 31 50.7	8.66	H	242.600 792 45	−30.530 756 53		6.72	16.30	−31.36	1.09	0.92	1.50	1.59	1.32	−31	+ 3	−45	+21	−29	+42	−13	+59	−47	−43	3	1.44
79250	16 10 25.37	−23 06 23.1	7.78	H	242.605 694 69	−23.106 423 31		8.26	−18.43	−29.86	0.87	0.63	0.98	0.94	0.76	−11	−14	−17	+14	− 1	+20	+ 7	+24	−26	−29	0	1.34
79251	16 10 26.92	−62 55 22.4	7.45	H	242.612 164 57	−62.922 889 37		5.05	−11.94	−8.95	0.54	0.59	0.82	0.62	0.75	−22	−12	− 4	+10	−19	−13	−15	+36	−15	−32	0	−0.36
79252	16 10 28.89	−22 13 47.6	9.62	H	242.620 358 94	−22.229 885 75		8.29	−10.26	−29.99	1.57	1.05	1.87	2.24	1.58	+ 2	+ 0	−14	+19	+ 0	+ 5	+ 1	+20	−48	+21	0	0.82
79253	16 10 29.58	+73 53 04.6	9.62	2 H	242.623 244 64	+73.884 620 42		0.36	−16.87	−12.08	0.84	0.83	0.90	0.78	0.98	+19	−37	−17	−17	− 9	+ 3	−11	− 5	+ 6	+ 8	1	0.39
79254	16 10 31.74	+47 48 25.1	7.55	H	242.632 234 18	+47.806 981 98		4.31	−11.98	8.46	0.72	0.61	0.76	0.91	0.79	+ 7	−14	− 6	−16	+ 7	−21	+ 7	+15	−13	+11	0	0.67
79255	16 10 32.25	+53 02 33.5	7.83	H	242.634 374 27	+53.042 652 52		2.39	14.38	−7.49	0.66	0.69	0.75	0.85	0.83	+ 8	+ 4	−23	+ 3	−11	+ 1	−11	− 5	+ 7	− 7	1	−1.50
79256	16 10 33.82	+16 31 40.1	10.70	G	242.640 934 56	+16.527 800 40		10.82	−179.07	102.19	1.92	1.48	2.31	1.88	1.87	−10	−39	+ 3	+42	−24	−18	−28	+38	+ 6	−10	4	−0.32
79257	16 10 35.33	−33 25 53.5	8.78	H	242.647 195 66	−33.431 533 54		1.28	−17.25	− 7.94	1.13	0.83	1.27	1.43	1.04	−21	−11	−21	+37	+ 6	+ 4	+ 8	+43	−28	− 3	0	−0.38
79258	16 10 35.96	−32 45 42.6	9.32	H	242.649 841 25	−32.761 837 70		6.97	− 7.23	−18.22	1.10	0.74	1.29	1.16	0.95	−18	−25	− 8	+17	+ 3	+ 9	+12	+34	−32	−14	0	−0.13
*79259	16 10 36.16	−36 50 40.3	8.99	H	242.650 686 10	−36.844 536 32		7.69	13.60	−46.15	1.08	0.90	1.31	1.31	1.20	−38	−18	−34	− 7	− 1	+ 1	+10	+25	−17	−62	0	−0.27
*79260	16 10 36.15	−51 58 07.5	8.10	G	242.650 631 87	−51.968 755 97		1.61	− 8.39	− 3.81	0.94	0.75	1.19	1.06	0.97	+12	−39	−42	+28	− 6	+ 7	+10	+58	−30	− 8	2	0.37
79261	16 10 36.50	−53 52 09.1	7.94	2 H	242.652 087 57	−53.869 195 15		−0.45	− 6.81	− 5.90	0.86	0.66	1.14	1.38	1.06	+13	+ 1	+ 6	− 7	+ 1	−29	− 8	+22	−26	+49	0	0.99
79262	16 10 37.36	+72 23 35.6	7.97	H	242.655 659 58	+72.393 221 12		4.18	− 9.32	5.88	0.56	0.52	0.58	0.55	0.59	− 5	−17	− 6	−22	+ 3	− 5	+ 6	+ 0	−10	−13	1	0.91
79263	16 10 37.53	+02 37 15.6	7.53	H	242.656 394 16	+02.620 999 95		6.07	− 7.63	1.99	0.76	0.56	0.95	0.94	0.89	−47	−32	+18	+18	+ 1	+23	+ 0	+17	+ 8	−34	0	−0.60
79264	16 10 37.72	−55 03 30.9	9.09	H	242.657 148 13	−55.058 592 10		4.95	− 6.35	−11.20	1.04	0.81	1.36	1.25	1.05	+13	−17	− 2	+ 1	+ 4	−24	+ 3	+19	−24	+39	0	−0.93
79265	16 10 38.15	−08 14 39.4	9.56	H	242.658 939 12	−08.244 291 32		13.25	−27.06	−34.40	1.76	1.28	1.89	1.97	1.81	−23	−41	+14	+35	− 6	+10	− 7	+48	+12	−35	0	−2.47
79266	16 10 38.40	+30 58 27.0	8.22	2 H	242.659 988 76	+30.974 157 94		1.57	9.10	−32.19	0.59	0.80	1.04	0.62	1.01	+11	−16	−21	+ 6	+ 5	− 1	+12	+19	−29	−18	0	1.14
79267	16 10 39.01	+19 22 03.8	9.79	H	242.662 547 69	+19.367 711 86		2.39	0.09	− 1.07	1.09	0.98	1.44	1.09	1.37	+ 3	−22	− 8	−50	−40	+23	−37	+20	−22	− 9	0	0.69
79268	16 10 39.31	−24 58 26.7	8.47	H	242.663 786 61	−24.974 076 96		8.85	−24.50	5.94	0.90	0.58	1.06	1.05	0.84	−24	−21	− 5	+14	+ 1	+19	+10	+31	−33	−23	0	−0.67
79269	16 10 39.67	+42 47 02.1	7.64	H	242.665 272 82	+42.783 929 14		4.39	6.92	− 4.21	0.58	0.60	0.74	0.67	0.66	+ 8	− 1	+ 3	+17	+11	−10	+10	− 8	+ 7	+ 6	0	0.21
79270	16 10 42.40	+10 02 16.4	7.53	G	242.676 687 26	+10.037 875 70		13.18	−30.93	13.72	0.77	0.67	0.94	0.85	0.87	−10	−27	−22	+27	− 9	− 2	− 6	+26	−15	−23	0	0.44
79271	16 10 44.06	−13 30 46.4	10.02	H	242.683 602 69	−13.512 890 68		5.13	−46.82	−59.17	1.73	1.15	1.76	1.93	1.45	+10	−31	−20	+ 5	−13	−15	−15	+22	− 2	− 5	0	−0.14
79272	16 10 45.38	+52 08 13.6	8.56	H	242.689 101 85	+52.137 112 86		3.80	26.25	−15.76	0.69	0.69	0.78	0.75	0.81	+13	− 4	−10	+ 5	+ 8	− 6	+ 7	+ 2	+24	+19	0	0.49
79273	16 10 46.06	+09 04 42.0	9.56	H	242.691 898 43	+09.078 346 02		4.11	−10.16	− 6.27	1.26	1.08	1.63	1.57	1.64	− 8	−37	+ 5	+42	+ 7	− 7	+ 1	+37	+20	− 5	0	−0.98
79274 H	16 10 46.14	−75 01 33.9	9.19	H	242.692 232 79	−75.026 090 02	A	1.49	− 0.90	− 5.53	1.09	1.27	1.50	1.06	1.46	+22	+ 4	− 4	+ 4	+ 4	+ 6	−16	+ 7	+22	−12	+35	1	−0.55
79275 H	16 10 46.76	−45 22 26.3	9.70	H	242.694 818 60	−45.373 974 20	*	9.46	10.74	− 3.19	1.23	0.95	1.63	1.39	1.19	− 8	−13	−18	+ 3	−12	−19	−13	+25	−22	−11	0	1.69
79276	16 10 47.30	+59 40 32.5	8.12	G	242.697 069 64	+59.675 690 27		24.45	−38.43	−115.20	0.62	0.59	0.67	0.63	0.63	+13	−26	−15	− 9	− 8	+16	− 4	− 9	− 4	+10	0	0.10
79277	16 10 48.28	+07 46 45.2	8.40	2 H	242.701 156 18	+07.779 211 35		3.15	7.94	−24.94	1.04	0.82	1.27	1.21	1.09	−19	−43	−19	+29	+ 1	+ 0	+ 7	+12	−11	−30	0	1.70
79278 H	16 10 48.40	−56 09 53.1	9.56	H	242.701 683 00	−56.164 750 61	A	4.37	− 8.26	−14.78	2.44	1.98	2.63	2.92	2.37	+ 9	−26	−31	+34	+ 1	+ 2	+ 6	+56	−23	+ 5	2	−0.60
79279 H	16 10 49.15	−48 47 41.7	8.26	1 H	242.704 794 35	−48.794 921 10	*	4.11	− 2.32	− 4.00	2.00	1.41	1.58	1.66	1.25	−10	+ 2	−11	+18	+ 2	− 6	+ 0	+26	−38	+21	2	0.30
79280	16 10 49.53	+75 52 39.1	5.48	H	242.706 368 84	+75.877 530 79		4.90	− 1.38	13.19	0.43	0.44	0.46	0.51	0.53	+13	−22	−19	− 7	− 5	+ 5	− 6	+19	+ 5	+10	0	−1.57
79281	16 10 52.46	+46 58 14.7	9.19	H	242.718 573 33	+46.970 742 41		1.72	− 3.11	18.10	0.77	0.77	0.87	0.93	0.89	+13	−19	−16	+15	+ 5	−16	+ 6	+35	−14	+10	0	−2.05
79282	16 10 52.70	+15 10 31.0	8.34	H	242.719 592 64	+15.175 288 60		2.59	−12.20	13.08	1.06	0.82	1.33	1.42	1.13	+ 0	−37	− 1	+26	−20	−10	−27	+49	+ 3	+36	0	−0.30
79283	16 10 53.31	+29 08 30.0	9.19	2 H	242.722 130 89	+29.141 674 16		−0.77	6.68	− 4.64	0.73	0.87	1.24	0.75	1.03	+20	− 8	+ 6	+19	+17	+ 2	+20	+16	−21	+20	0	2.81
79284	16 10 53.48	+71 18 26.5	8.51	H	242.722 842 16	+71.307 359 70		6.61	− 2.98	11.43	0.62	0.67	0.70	0.81	0.79	+ 2	+11	−13	−12	+ 2	−24	− 1	+18	−16	− 1	0	0.43
79285	16 10 54.08	+30 59 09.0	7.42	H	242.725 341 15	+30.985 820 16		18.44	−84.28	−171.72	0.50	0.60	0.82	0.53	0.78	+ 8	−17	−14	+15	+12	− 4	+16	+13	−26	−18	1	0.26
79286	16 10 54.13	−20 00 42.5	9.12	H	242.725 552 02	−20.011 800 46		16.80	− 3.26	−40.65	1.36	0.95	1.51	1.51	1.13	+11	−40	−31	+12	+15	−17	+ 6	+ 4	+12	−23	0	−0.57
79287	16 10 54.74	−12 03 55.7	9.49	1 H	242.728 066 28	−12.065 473 16		2.41	27.06	28.58	1.51	1.26	1.82	1.90	1.64	−34	− 3	−37	− 1	+11	−21	+ 5	+ 1	+ 9	−53	3	3.51
79288	16 10 55.11	−25 31 21.4	8.97	H	242.729 640 40	−25.522 622 44		8.60	−13.20	−27.52	0.99	0.61	1.19	1.12	0.94	−37	−20	− 2	− 8	+11	+ 9	+18	+20	−37	−27	0	−2.10
79289	16 10 55.54	+32 00 11.2	7.61	H	242.731 400 48	+32.003 108 51		7.72	−33.82	−13.33	0.49	0.60	0.80	0.54	0.74	+11	−12	− 4	+12	+ 7	−13	+ 9	+11	−21	−15	2	−0.90
79290 H	16 10 55.68	−40 26 12.3	9.31	G	242.731 979 43	−40.436 739 46	A	−1.72	− 4.28	− 6.70	1.94	1.16	2.53	2.07	1.86	+ 5	−38	−15	+17	−30	−12	−11	+54	−22	−35	1	−0.65
79291	16 10 57.18	+26 23 54.7	8.17	G	242.738 265 23	+26.398 517 25		6.26	− 7.08	0.19	0.54	0.66	0.96	0.56	0.80	+15	−20	− 9	−23	+15	+ 1	+12	− 1	− 1	+40	0	0.92
79292	16 10 57.20	+49 03 48.5	8.09	G	242.738 349 04	+49.063 460 56		13.35	−55.05	79.33	0.62	0.59	0.68	0.72	0.72	+10	− 8	−11	−21	+ 9	+ 1	+ 3	+14	+14	+26	0	0.12
79293	16 10 57.54	−20 23 56.3	8.86	H	242.739 752 31	−20.398 969 27		3.14	−14.64	− 5.72	1.23	0.88	1.26	1.40	1.06	+11	−19	−13	+26	+12	+12	+11	+19	+11	− 7	0	−0.59
79294	16 10 57.57	+54 19 28.3	9.06	H	242.739 874 80	+54.324 524 96		6.43	−53.45	23.69	0.78	0.71	0.81	0.91	0.92	+ 6	− 2	−11	−22	+13	−11	+ 9	+ 0	+ 9	+25	0	0.00
79295	16 10 58.02	+44 18 34.2	8.12	H	242.741 731 89	+44.309 494 73		2.29	− 6.75	1.13	0.64	0.61	0.72	0.66	0.69	+ 3	− 1	− 5	+ 0	+22	−10	+23	+12	+ 3	+ 6	0	−0.05
79296	16 10 58.67	−14 23 02.0	8.36	H	242.744 454 29	−14.383 894 13		15.36	50.84	−48.80	1.10	0.88	1.20	1.29	1.06	−21	−20	−12	+24	−18	+18	−11	+45	−27	−23	0	0.18
79297	16 10 59.30	+43 03 17.8	7.36	H	242.747 098 85	+43.054 943 03		4.78	−24.38	27.31	0.54	0.53	0.66	0.63	0.62	+ 2	+ 4	− 7	+ 8	+ 9	− 9	+ 6	− 4	+ 0	−19	0	0.24
79298 H	16 10 59.31	−57 36 27.6	7.57	H	242

No.	Tycho Magnitudes					Colour Indices							Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag			Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3		44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
79201	10.894	0.066	9.199	0.025		1.160	0.040	G	1.12	0.04	K		9.1494	0.0032	0.020	79		9.12	9.18					1							
79202	10.212	0.026	9.557	0.024		0.599	0.026	T	0.67	0.02	L		9.6004	0.0028	0.019	86		9.58	9.64		C			1							G
79203	6.931	0.006	6.471	0.006		0.447	0.007	T	0.52	0.01	L		6.5253	0.0009	0.006	51		6.51	6.53		C			1							S
79204	6.837	0.005	6.768	0.004		0.069	0.006	T	0.08	0.01	L		6.7899	0.0009	0.009	111		6.78	6.81					1							S
79205	11.079	0.038	10.305	0.031		0.704	0.038	T	0.76	0.03	L		10.3908	0.0027	0.037	226		10.32	10.45					1							
79206	9.018	0.011	8.493	0.010		0.493	0.013	T	0.57	0.01	L		8.5348	0.0017	0.017	116		8.50	8.57					1							S
79207	9.828	0.021	8.613	0.013		1.039	0.019	T	1.01	0.02	L		8.5685	0.0052	0.030	95		8.52	8.62		U 2			1							
79208	6.774	0.004	6.524	0.005		0.231	0.002	G	0.26	0.00	H		6.5670	0.0010	0.010	120		6.55	6.58					1							S
79209	10.601	0.036	9.141	0.018		1.230	0.032	T	1.19	0.03	L		9.2043	0.0019	0.019	118		9.17	9.24		C			1							
79210	9.806	0.029	8.678	0.019	A	0.971	0.027	T	0.96	0.02	L		8.7148	0.0143	0.047	106	A	8.67	8.81		D	16100−6329	I 2	1 C P A							
79211	9.364	0.028	8.801	0.026		0.527	0.034	T	0.60	0.04	L		8.8538	0.0028	0.015	47		8.83	8.88		C	16100−0815	I 1	1							
79212	9.250	0.013	8.715	0.012	A	0.380	0.370	G	0.59	0.04	L *		8.5362	0.0060	0.195	150	*	8.48	9.10	2.71	P 1 A	16100−6609	I 1	2 C A	AB	231	3.188	0.010	1.86	0.06	
79213	12.270	0.243	10.367	0.064	B						T		10.4271	0.0583			B				D	16100−6329	I 2	1 C I A							
79214	7.870	0.009	7.219	0.008		0.596	0.009	T	0.67	0.01	L		7.2931	0.0011	0.008	62		7.28	7.31					1							S
79215	9.895	0.019	8.227	0.009		1.394	0.017	T	1.37	0.02	L		8.2194	0.0013	0.014	156		8.20	8.25		C			1							
79216	9.275	0.013	8.024	0.008		1.067	0.012	T	1.03	0.01	L		8.0792	0.0011	0.011	115		8.06	8.10		C			1							S
79217	8.220	0.010	7.985	0.010		0.224	0.013	T	0.25	0.01	L		8.0440	0.0013	0.011	112		8.03	8.06		C			1							
79218	9.156	0.017	8.642	0.016		0.483	0.021	T	0.55	0.02	L		8.7104	0.0020	0.014	71		8.68	8.74		C			1							S
79219	7.906	0.006	6.693	0.003		1.037	0.005	T	1.01	0.00	L		6.7416	0.0007	0.009	229		6.72	6.76					1							S
79220	9.445	0.017	9.226	0.020		0.203	0.026	T	0.22	0.03	L		9.2962	0.0024	0.019	84		9.27	9.32		C			1							
79221	9.965	0.028	8.050	0.012		1.590	0.024	T	1.61	0.03	L		7.9493	0.0011	0.012	155		7.93	7.97		C			1							
79222	8.987	0.009	8.001	0.007	*	0.864	0.008	T	0.88	0.01	L *		8.0457	0.0011	0.014	199	*	8.02	8.07		D	16101−7302	H 1	2 C A	AB	175	0.389	0.010	2.38	0.07	S
79223	11.507	0.080	10.946	0.079		0.525	0.100	T	0.60	0.10	L		11.0116	0.0040	0.042	117		10.92	11.10					1							G
79224	10.121	0.022	9.015	0.015		0.954	0.021	T	0.94	0.01	L		9.1128	0.0024	0.020	136		9.08	9.15					1							
79225	8.600	0.008	7.514	0.006		0.939	0.008	T	0.93	0.01	L		7.5693	0.0014	0.013	171		7.55	7.60					1							S
79226	9.240	0.015	8.719	0.014		0.489	0.019	T	0.56	0.02	L		8.7688	0.0021	0.018	116		8.74	8.80					1							S
79227	9.996	0.019	8.862	0.013	*	0.976	0.018	T	0.96	0.01	L *		8.9055	0.0021	0.023	198	*	8.87	8.95		D	16101−6532	H 1	2 C A	AB	49	0.321	0.010	1.43	0.10	
79228	10.292	0.045	9.789	0.045		0.473	0.058	T	0.54	0.06	L		9.8021	0.0056	0.031	49		9.74	9.86					1							
79229	6.680	0.004	6.645	0.005		0.024	0.002	G	0.04	0.00	H		6.6604	0.0009	0.007	103		6.65	6.68		C			1							S
79230	7.242	0.005	7.126	0.006		0.145	0.006	G	0.16	0.01	R		7.1222	0.0009	0.011	119		7.10	7.14			16102−4008	I 1	1 G							S
79231	7.823	0.008	6.708	0.006		0.961	0.008	T	0.95	0.01	L		6.7746	0.0009	0.008	91		6.76	6.79		C			1 G							S
79232	9.257	0.015	8.889	0.016		0.359	0.019	T	0.42	0.02	L		8.9318	0.0019	0.015	97		8.91	8.98		C			1							
79233						1.500	0.510	G	4.99	0.96	Q		10.3404	0.1215	1.140	168		7.77	11.81	497.90	P 1 B			1 V							G P
79234	8.359	0.010	7.772	0.010		0.548	0.012	T	0.62	0.01	L		7.8251	0.0012	0.012	118		7.81	7.85		C			1							S
79235	6.670	0.004	6.596	0.005		0.073	0.006	T	0.08	0.01	L		6.6192	0.0010	0.009	103		6.61	6.63					1							S
79236	8.613	0.011	7.508	0.007		0.950	0.015	G	0.94	0.01	H		7.5670	0.0015	0.013	112		7.55	7.59					1							S
79237	8.871	0.013	8.735	0.015		0.123	0.018	T	0.14	0.02	L		8.7855	0.0014	0.013	88		8.76	8.81		C			1							
79238											T		11.3085	0.0066	0.050	87		11.22	11.38		C			1							G
79239	10.359	0.028	9.547	0.022		0.717	0.027	T	0.77	0.02	L		9.6210	0.0024	0.024	139		9.59	9.68					1							
79240	9.787	0.020	9.033	0.017		0.660	0.015	G	0.72	0.01	H		9.1062	0.0020	0.016	92		9.08	9.13		C			1							
79241	10.553	0.036	8.662	0.013		1.571	0.030	T	1.59	0.03	L		8.5986	0.0020	0.017	113		8.58	8.63			16103+5439	I 1	1							
79242	8.669	0.011	7.783	0.009		0.790	0.010	G	0.83	0.01	H		7.8402	0.0016	0.018	127		7.81	7.87		U	16103−8414	I 1	1 S							S
79243	9.788	0.022	8.498	0.013		1.097	0.020	T	1.06	0.02	L		8.5070	0.0014	0.014	91		8.47	8.53					1							
79244	7.223	0.008	7.064	0.009		0.145	0.011	T	0.16	0.01	L		7.1080	0.0013	0.009	54		7.09	7.12		C			1							S
79245	8.365	0.008	8.043	0.008		0.306	0.011	T	0.35	0.01	L		8.0885	0.0014	0.015	137		8.06	8.12		C			1							S
79246	10.922	0.039	9.187	0.015		1.447	0.033	T	1.45	0.05	L		9.1776	0.0025	0.030	173		9.13	9.24					1 S							
79247	10.206	0.043	8.312	0.017		1.607	0.038	T	2.72	0.05	O		8.0276	0.0077	0.044	61		7.96	8.08		U 2			1 S							S
79248	7.723	0.006	6.700	0.004		0.877	0.006	G	0.92	0.01	H		6.7595	0.0009	0.009	142		6.74	6.78		C			1							S
79249	9.287	0.022	8.724	0.021		0.531	0.023	T	0.60	0.02	L		8.7808	0.0018	0.014	69		8.75	8.80		C			1 S							
79250	8.048	0.011	7.810	0.011		0.227	0.015	T	0.25	0.02	L		7.8488	0.0013	0.008	71		7.84	7.87		C			1							S
79251	7.440	0.007	7.449	0.009		−0.004	0.010	T	0.02	0.01	L		7.4554	0.0012	0.010	119		7.44	7.48					1							S
79252	10.742	0.069	9.782	0.048		0.831	0.065	T	0.85	0.05	L		9.7671	0.0072	0.041	50		9.71	9.82					1							
79253	11.760	0.115	9.971	0.037		1.520	0.100	T	2.03	0.23	K		9.6975	0.0138	0.146	91		9.47	9.84		U 2			1 S							
79254	8.743	0.011	7.663	0.008		0.934	0.010	T	0.93	0.01	L		7.7137	0.0019	0.015	116		7.69	7.74			16105+4748	I 1	1 S							S
79255	9.752	0.018	8.000	0.009		1.461	0.016	T	1.47	0.03	L		7.9643	0.0020	0.017	113		7.93	8.00					1							S
79256	11.966	0.177	10.688	0.087		0.911	0.018	G	0.96	0.02	I		10.8362	0.0052	0.036	78		10.72	10.89					1							G
79257	10.190	0.053	8.917	0.031		1.084	0.048	T	1.05	0.04	L		8.9452	0.0022	0.018	85		8.92	8.99					1							
79258	9.835	0.026	9.342	0.026		0.475	0.028	T	0.55	0.03	L		9.4288	0.0027	0.017	86		9.38	9.46					1							
79259	9.712	0.026	9.101	0.023		0.567	0.026	T	0.64	0.02	L		9.1086	0.0020	0.016	87		9.08	9.14					1							
79260	8.195	0.013	8.086	0.015		0.087	0.015	G	0.10	0.02	H		8.1360	0.0014	0.012	86		8.12	8.16					1							
79261	10.461	0.042	8.159	0.012		1.943	0.036	T	2.82	0.05	O		7.9048	0.0023	0.028	100		7.85	7.94		U 2			1							
79262	8.041	0.010	7.988	0.011		0.054	0.014	T	0.07	0.01	L		7.9897	0.0008	0.009	108		7.98	8.01					1							S
79263	8.975	0.011	7.651	0.007		1.124	0.010	T	1.09	0.01	L		7.6978	0.0012	0.010	106		7.68	7.71					1							S
79264	9.831	0.024	9.114	0.021		0.659	0.026	T	0.72	0.02	L		9.2272	0.0031	0.018	92		9.19	9.25					1							
79265	10.517	0.067	9.710	0.056		0.730	0.067	T	0.78	0.05	L		9.7073	0.0035	0.022	47		9.68	9.74					1							
79266	10.358	0.029	8.446	0.011		1.587	0.025	T	1.61	0.03	L		8.3325	0.0028	0.023	148		8.30	8.37		U			1							
79267	10.289	0.030	9.831	0.031		0.432	0.040	T	0.50	0.04	L		9.8854	0.0021	0.022	115		9.84	9.93					1							
79268	8.969	0.013	8.525	0.013		0.433	0.015	T	0.50	0.02	L		8.5698	0.0014	0.015	119		8.54	8.59					1							
79269	8.176	0.008	7.694	0.009		0.454	0.011	T	0.52	0.01	L		7.7413	0.0014	0.011	103		7.72	7.76					1							S
79270	7.991	0.008	7.576	0.007		0.430	0.015	G	0.50	0.02	H		7.6167	0.0016	0.010	82		7.60	7.64					1							S
79271	10.771	0.057	10.092	0.050		0.667	0.036	G	0.73	0.03	H		10.1602	0.0045	0.027	60		10.11	10.22		C			1							G
79272	8.816	0.013	8.574	0.014		0.231	0.018	T	0.26	0.02	L		8.6273	0.0017	0.016	99		8.60	8.66					1							
79273	11.372	0.096	9.793	0.036		1.324	0.081	T	1.29	0.09	L		9.7090	0.0035	0.021	62		9.67	9.75		C			1							
79274	9.238	0.012	9.220	0.016	*	0.017	0.018	T	0.04	0.02	L *		9.2069	0.0020	0.020	158	*	9.16	9.24		D	16108−7502	I 1	2 C A	AB	81	1.030	0.010	2.16	0.05	
79275	10.492	0.035	9.729	0.030	*	0.696	0.036	T	0.75	0.03	L *		9.8443	0.0041	0.029	102	*	9.79	9.89			16108−4522	H 1	2 C S A	AB	318	0.199	0.028	1.13	0.49	G
79276	8.942	0.012	8.193	0.010		0.688	0.011	G	0.75	0.01	H		8.2510	0.0017	0.013	115		8.22	8.27		C			1							S
79277	10.442	0.042	8.636	0.017		1.534	0.037	T	2.41	0.09	O		8.4434	0.0090	0.050	79		8.33	8.52		U 2 C			1 S							
79278	11.052	0.076	9.787	0.040	A						T *		9.6946	0.0039	0.033	88	*	9.64	9.76			16108−5610	M 1	2 C A	AB	91	2.317	0.024	2.28	0.12	G
79279	9.296	0.014	8.425	0.011	*	0.778	0.013	T	0.81	0.01	L *		8.4090	0.0027	0.022	100	*	8.37	8.44		U	16108−4848	H 1	2 C B	AB	95	0.293	0.050	2.86	0.60	
79280	5.352	0.003	5.461	0.003		−0.093	0.004	T	−0.07	0.01	L		5.4497	0.0005	0.004	99		5.44	5.46					1							S
79281	9.631	0.016	9.198	0.017		0.409	0.021	T	0.48	0.02	L		9.2798	0.0017	0.018	119		9.24	9.32		C			1							
79282	9.671	0.021	8.433	0.013		1.030	0.015	G	1.00	0.01	H		8.5096	0.0013	0.013	94		8.49	8.53		C			1							
79283	11.285	0.051	9.393	0.017		1.605	0.044	T	2.14	0.10	O		9.2526	0.0082	0.087	174		9.10	9.37		U 2			1							P
79284	8.873	0.012	8.535	0.013		0.321	0.017	T	0.37	0.02	L		8.5907	0.0014	0.012	103		8.57	8.62		C			1							S
79285	8.279	0.007	7.503	0.007		0.706	0.008	T	0.76	0.01	L		7.5626	0.0010	0.012	156		7.54	7.58		C			1							S
79286	9.826	0.036	9.207	0.033		0.573	0.036	T	0.65	0.03	L		9.2430	0.0031	0.015	45		9.22	9.27		C			1							
79287	10.213	0.038	9.559	0.035		0.607	0.044	T	0.68	0.04	L		9.6202	0.0045	0.028	54		9.57	9.66		U	16109−1204	I 1	1 S							
79288	9.472	0.018	8.994	0.018		0.463	0.020	T	0.53	0.02	L		9.0729	0.0022	0.016	105		9.05	9.10		C			1							
79289	7.797	0.006	7.635	0.006		0.156	0.008	T	0.17	0.01	L		7.6672	0.0011	0.012	146		7.65	7.69					1							S
79290	9.623	0.018	9.407	0.021	A	0.240	0.015	G	0.27	0.02	H *		9.3976	0.0012	0.014	112	*	9.37	9.42			16109−4026	I 1	2 C C	AB	340	2.945	0.035	3.62	0.20	
79291	8.754	0.008	8.221	0.007		0.521	0.015	G	0.59	0.02	H		8.2876	0.0014	0.016	210		8.26	8.32		C			1							S
79292	8.662	0.011	8.146	0.010		0.506	0.015	G	0.58	0.02	H		8.1964	0.0014	0.013	116		8.17	8.22					1							S
79293	11.108	0.082	9.123	0.027		1.500	0.040	G	1.53	0.06	K		8.9843	0.0025	0.014	48		8.96	9.01		C			1							
79294	9.526	0.018	9.087	0.018		0.414	0.023	T	0.48	0.03	L		9.1491	0.0019	0.017	102		9.13	9.18		C			1							
79295	9.813	0.017	8.247	0.009		1.314	0.015	T	1.28	0.02	L		8.2725	0.0011	0.014	137		8.25	8.30					1							S
79296	9.308	0.019	8.452	0.015		0.767	0.018	T	0.81	0.01	L		8.5084	0.0031	0.018	57		8.48	8.55					1							
79297	8.731	0.011	7.471	0.007		1.074	0.010	T	1.04	0.01	L		7.5235	0.0014	0.011	120		7.50	7.54		C			1							S
79298	7.664	0.005	7.597	0.006	*	0.067	0.007	T	0.08	0.01	L *		7.5982	0.0009	0.012	165	*	7.58	7.62		D	16110−5736	H 1	2 C A	AB	95	0.710	0.018	3.48	0.09	S
79299	11.158	0.072	9.370	0.027		1.000	0.040	G	0.98	0.03	K		9.3171	0.0026	0.020	74		9.28	9.35		C			1 S							
79300	11.209	0.083	10.407	0.064		0.710	0.080	T	0.76	0.07	L		10.4512	0.0046	0.029	57		10.42	10.51		C			1							G

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)												Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$		F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr													%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
79301	16 11 01.83	−25 07 04.1	8.13	H	242.757 609 10	−25.117 798 14		4.84	−3.56	14.42	0.92	0.59	1.05	1.00	0.84	−25	−26	+11	+11	−	1	+	9	+	3	+40	−17	−20	0	−0.60
79302	16 11 02.13	−29 24 57.6	5.09	H	242.758 862 81	−29.416 006 61		12.77	−85.58	−87.92	0.81	0.59	0.92	0.99	0.77	−29	−31	−	9	−12	−11	+10	−11	+37	−15	−21	0	1.23
79303	16 11 03.68	−13 59 31.6	7.80	H	242.765 336 31	−13.992 105 74		4.35	−24.95	−22.16	1.00	0.76	1.06	1.14	0.91	−12	−22	+	1	+28	−10	+11	−	6	+41	−15	−18	0	0.22
79304	16 11 06.45	+02 54 52.0	8.67	H	242.776 885 38	+02.914 440 67		16.98	−64.82	−35.96	1.01	0.79	1.28	1.41	1.30	−58	−13	−	1	+22	−17	+15	−17	+21	+	5	−52	4	1.14
79305	16 11 07.89	+26 53 32.5	7.52	H	242.782 871 24	+26.892 360 93		11.11	22.96	−72.49	0.47	0.57	0.84	0.55	0.73	+19	−17	−	1	−32	+21	+11	+	8	+	7	+	5	+53	1	−1.05
79306	16 11 08.00	+16 18 33.0	8.17	G	242.783 325 08	+16.309 168 44		10.27	18.34	−116.88	1.01	0.74	1.16	1.03	0.95	−15	−45	+	5	+54	−19	−20	−21	+42	+	7	−10	0	−1.25
79307	16 11 08.02	−01 06 49.8	8.37	H	242.783 437 21	−01.113 829 48		15.03	−74.69	−135.04	1.02	0.64	1.09	1.29	1.14	−36	+	0	−15	+21	−	1	−	3	+	4	+13	+16	−44	0	−0.93
79308	16 11 08.42	+47 32 32.1	8.31	G	242.785 071 21	+47.542 245 38		25.70	24.70	36.50	0.65	0.66	0.76	0.80	0.81	+12	−	9	−	9	−	1	+	5	−26	+	4	+23	−12	+14	2	−1.49
79309	16 11 09.32	+35 07 43.1	9.56	H	242.788 830 84	+35.128 632 67		6.28	−76.24	81.99	0.89	0.92	1.25	1.05	1.16	+17	−	8	+	4	−	3	+	4	+	0	+	7	+	7	−27	+10	2	1.14
*79310	16 11 09.60	+17 55 37.4	8.13	H	242.790 004 38	+17.927 044 64		2.04	−16.65	11.70	1.03	0.83	1.17	1.21	1.08	+15	−23	+10	+58	+14	+17	+27	+14	+53	+16	+23	0	0.23
*79311	16 11 09.58	−40 07 40.3	7.89	G	242.789 925 10	−40.127 851 08		9.15	−71.17	−99.46	0.80	0.53	1.07	0.80	0.77	−	3	−34	−22	+	6	−18	−	6	−	1	+40	−33	−35	0	−0.44
79312 H	16 11 11.73	+47 33 35.7	7.90	G	242.798 880 83	+47.559 907 97 A		6.86	−21.98	40.17	0.95	0.91	0.98	1.12	0.99	+15	−	9	−17	+10	+10	−14	+12	+	1	−18	+27	2	0.91
79313	16 11 12.36	−07 26 48.4	9.85	H	242.801 505 71	−07.446 784 55		3.40	−3.66	−18.51	1.88	1.61	1.86	2.41	2.11	−46	−14	−22	+45	−49	+36	−44	+72	−21	−45		0	−0.40
79314	16 11 12.44	+36 01 15.8	7.68	H	242.801 841 33	+36.021 064 91		3.87	−24.16	30.26	0.59	0.58	0.77	0.70	0.72	+22	+18	+12	+	4	+	4	+	2	+	1	−	1	−17	+23	0	0.53
79315	16 11 12.75	−60 27 57.0	10.29	G	242.803 117 89	−60.465 836 01		18.66	−221.35	−1.13	1.16	1.30	1.73	1.29	1.48	−15	−15	−26	+37	−	5	−14	−	6	+44	−13	−26	0	1.13
79316	16 11 14.18	−03 59 20.6	8.14	H	242.809 075 17	−03.989 044 51		1.49	−18.20	5.88	1.17	0.94	1.39	1.61	1.35	−24	−38	−33	+10	+11	−22	−	1	−	4	+13	−56	0	1.60
79317	16 11 15.02	−37 27 39.9	8.93	G	242.812 586 74	−37.461 079 70		8.84	−23.18	−25.44	1.19	1.06	1.56	1.41	1.25	−45	−11	−13	+28	−28	+34	−21	+61	−15	−54	0	1.77
79318	16 11 16.34	−59 33 44.2	8.14	H	242.818 065 56	−59.562 271 77		3.96	11.83	5.09	0.64	0.73	0.95	0.77	0.90	−10	−13	−21	+35	+	7	−14	+	8	+52	−15	−15	0	0.72
79319	16 11 16.61	+37 33 53.3	8.92	H	242.819 202 21	+37.564 799 62		7.52	−15.50	5.06	0.67	0.77	0.92	0.70	0.84	+	0	+	4	−	4	−20	−	1	+	0	+	0	−	9	+	9	−	8	0	0.94
79320	16 11 17.77	−41 07 10.2	5.86	H	242.824 031 18	−41.119 498 16		14.44	−79.37	−125.52	0.70	0.56	0.95	0.92	0.94	−21	−24	−30	+13	−40	−	8	−20	+57	−12	−68	2	−1.27
79321	16 11 18.51	−64 09 49.3	8.03	H	242.827 125 56	−64.163 699 75		9.09	−25.02	−54.65	0.63	0.80	1.00	0.84	1.04	−22	+	5	−16	+28	−12	−13	−14	+46	−	3	−27	5	1.13
79322	16 11 18.87	−45 19 59.8	6.65	H	242.828 622 90	−45.333 283 73		26.24	−99.90	−60.33	0.67	0.52	0.85	0.67	0.66	−18	−27	−17	+	5	−24	−16	−19	+32	−19	−36	0	0.17
79323	16 11 21.41	−46 52 20.9	8.91	H	242.839 191 15	−46.872 482 82		1.22	−1.65	−11.50	1.05	0.72	1.32	1.26	1.04	+	2	−18	−	3	+	1	−	6	−13	−	1	+30	−22	−	1	2	1.95
79324	16 11 21.64	−11 46 05.1	9.40	H	242.840 184 35	−11.768 075 88		1.14	−3.46	−0.94	1.48	1.18	1.74	1.85	1.69	−32	−33	−11	−	6	+19	−35	+	7	−13	+29	−59	0	0.32
79325	16 11 21.84	+59 26 52.9	8.12	G	242.841 013 22	+59.448 031 09		7.92	−44.95	57.16	0.61	0.58	0.64	0.65	0.65	+	7	−18	−14	+	1	−	7	+	8	−	5	−	2	−	3	+10	0	0.97
79326	16 11 23.06	+07 27 56.5	7.75	H	242.846 070 84	+07.465 699 65		4.02	4.94	−5.56	0.88	0.67	1.00	1.11	0.96	−22	−26	−	5	+31	+	7	+15	+12	+12	−	9	−27	0	−0.04
79327	16 11 23.80	+28 26 19.3	7.59	G	242.849 156 88	+28.438 701 17		22.15	−99.82	−66.45	0.43	0.54	0.78	0.43	0.63	+	5	−13	+	0	+	2	+16	−	6	+18	+	3	−	1	+	6	2	0.56
79328	16 11 25.24	+20 56 30.6	8.52	H	242.855 161 72	+20.941 833 64		2.95	−1.45	7.63	0.77	0.79	1.19	0.87	1.17	+12	−20	−	8	+	4	−35	+17	−29	+48	−	5	−19	0	0.36
79329	16 11 25.52	−51 23 36.2	9.83	H	242.856 334 92	−51.393 399 74	A	6.49	−19.78	−12.08	5.31	3.78	4.98	6.15	4.40	+20	−16	−36	+33	+19	−	7	+20	+46	−28	+22	1	1.95
79330 T	16 11 25.69	−51 23 21.7	10.80	H	242.857 025 41	−51.389 352 21	B	3.67	−10.38	−6.59	19.78	14.75	11.05	13.75	9.34	+16	−18	−39	+13	+17	−	8	+17	+27	−28	+20	1	1.95
79331	16 11 27.26	+23 49 11.7	9.23	2 H	242.863 589 58	+23.819 908 32		3.75	−9.51	2.11	0.52	0.79	1.24	0.62	0.97	+	4	−	8	+	5	+16	−15	−	4	−14	+11	−12	−	1	0	1.83
79332	16 11 28.74	+16 39 56.4	6.09	H	242.869 734 83	+16.665 678 58		7.41	2.15	5.75	0.67	0.53	0.80	0.64	0.66	−10	−46	−	5	+42	−25	−14	−24	+43	−	4	−16	0	0.34
79333 H	16 11 28.80	+15 07 25.4	8.85	H	242.870 020 61	+15.123 723 30	A	7.66	−0.33	0.84	3.87	2.51	3.39	3.26	2.69	−	2	−41	−	6	+40	−31	−	6	−37	+41	+17	−18	2	2.60
79334	16 11 29.15	−70 11 39.3	9.48	H	242.871 460 90	−70.194 258 77		1.45	−1.40	−9.24	0.71	0.93	1.32	0.72	1.02	+22	−24	−10	−	2	−	5	−	1	−	2	+18	−12	+18	0	0.91
79335	16 11 29.39	−21 35 13.6	10.09	H	242.872 438 54	−21.587 114 73		4.04	0.99	3.47	1.68	1.15	1.80	1.99	1.46	+	2	−32	−	9	+	6	+	2	−	4	+	8	+	8	−21	+	7	5	−2.45
79336 H	16 11 29.70	−50 21 55.0	10.30	H	242.873 756 92	−50.365 275 73	A	19.65	−20.62	−80.64	4.59	2.87	3.86	4.54	2.87	+	2	−19	−	5	+16	+14	−	1	+14	+28	−10	+38	0	−0.36
79337 H	16 11 29.75	+09 42 43.4	6.52	H	242.873 945 25	+09.712 053 42	*	7.60	26.34	−10.86	0.68	0.56	0.81	0.79	0.73	−	8	−23	−16	+24	+	0	−	3	+	4	+18	−16	−10	0	−0.01
79338	16 11 30.07	+16 58 39.7	7.71	H	242.875 287 83	+16.977 680 92		2.80	−61.12	10.72	0.82	0.69	1.03	0.85	0.93	−	6	−37	−12	+30	−27	−13	−26	+39	−17	−	6	0	0.43
79339	16 11 31.71	−11 15 47.9	8.84	H	242.882 109 55	−11.263 299 41		6.42	−14.57	−5.98	1.31	0.90	1.44	1.31	1.17	−	5	−53	−20	+12	−	9	+	6	−	5	+26	+	1	−37	0	−1.85
79340	16 11 32.29	+74 39 11.1	8.83	2 H	242.884 539 50	+74.653 090 78		0.44	−2.14	−20.15	0.63	0.68	0.70	0.59	0.77	+19	−25	−16	−29	+	1	+	1	+	0	−	4	+	2	+26	2	0.10
79341	16 11 32.81	−18 00 01.8	9.31	H	242.886 690 47	−18.000 505 59		6.28	−46.41	−43.56	1.41	0.92	1.47	1.63	1.03	+	5	−15	−	6	+25	+24	+27	+28	+20	−	8	+	6	3	2.13
79342	16 11 32.95	−05 34 51.8	9.65	H	242.887 290 36	−05.581 058 86		0.07	−11.10	16.18	1.68	1.20	1.84	1.67	1.45	+21	−47	−42	+33	+	1	+	2	+12	+41	−17	−22	0	1.07
79343	16 11 33.54	−27 09 02.9	6.95	H	242.889 739 64	−27.150 798 11		5.65	−23.14	−22.11	0.74	0.53	0.80	0.97	0.74	−32	−12	−	2	+20	+10	+14	+14	+23	−18	−27	0	−0.79
79344	16 11 35.07	−52 20 59.5	9.85	H	242.896 112 25	−52.349 863 76		−0.08	12.36	5.73	1.27	1.03	1.68	1.56	1.41	+	7	−25	−13	+17	+15	−	5	+18	+32	−26	+25	4	1.77
79345	16 11 35.13	+61 11 57.7	8.79	H	242.896 372 34	+61.199 372 90		0.69	7.98	2.62	0.65	0.65	0.71	0.65	0.70	+	4	−	1	−16	−25	−27	+	1	−21	+	6	−12	−25	0	0.41
79346	16 11 36.43	−27 04 41.5	8.12	H	242.901 800 85	−27.078 207 52		18.12	20.29	14.42	0.96	0.67	1.10	1.26	0.89	−24	−	9	−19	+18	+	8	+13	+12	+30	−13	−18	0	0.05
*79347	16 11 37.65	+41 50 35.3	8.61	2 H	242.906 880 10	+41.843 128 97		1.98	10.28	−36.86	0.67	0.74	0.86	0.69	0.81	−	6	−14	+	4	−22	+	7	+	0	+	7	−20	+	3	−14	2	−0.86
*79348	16 11 37.64	−00 50 02.1	8.81	H	242.906 844 07	−00.833 919 37		3.49	12.96	−12.78	1.24	0.76	1.27	1.52	1.31	−32	−14	−	1	+35	−13	+	7	−	8	+35	+	4	−38	0	0.43
79349	16 11 38.05	+23 29 41.4	5.74	2 H	242.908 538 29	+23.494 829 92		5.76	−21.23	−11.72	0.36	0.46	0.72	0.42	0.60	+15	−	8	+	8	−19	−20	−	4	−18	−	3	−26	+13	0	1.33
79350 H	16 11 39.60	+33 20 33.8	6.30	H	242.914 982 99	+33.342 729 66	A	6.33	5.07	14.22	0.52	0.60	0.68	0.50	0.64	−	5	+	3	+	5	+	9	+17	−19	+18	−	6	−	5	−14	2	−0.13
79351	16 11 42.51	+49 57 47.0	8.43	H	242.927 127 34	+49.963 055 74		1.39	20.46	−22.47	0.61	0.61	0.69	0.63	0.67	+	1	−14	−	7	+	2	+	7	−	5	+	6	+	1	+	5	−10	1	0.22
79352	16 11 43.06	+20 39 25.3	9.43	H	242.929 398 64	+20.657 037 99		−2.04	−9.68	3.66	0.95	0.94	1.47	1.07	1.42	+	7	−	3	+	5	−	5	+35	+17	−36	+45	+	0	−11	1	3.01
79353	16 11 43.29	+35 07 28.8	8.63	H	242.930 385 48	+35.124 680 03		7.91	−46.68	32.41	0.70	0.72	0.96	0.81	0.91	+11	−11	+	8	+	5	+	2	+	2	+	5	+11	−25	+	9	1	1.73
79354	16 11 44.58	+00 47 38.9	9.56	H	242.935 748 38	+00.794 126 55		9.18	−13.41	−31.91	1.80	1.04	1.99	2.95	1.72	−28	−30	−	1	+24	+	2	−34	+	4	+27	−32	+36	9	1.99
79355	16 11 46.93	−32 15 36.0	8.32	H	242.945 529 28	−32.259 996 28		6.09	−26.49	−67.84	0.91	0.65	1.09	0.94	0.82	−25	−28	−13	+	3	−	4	+10	+	7	+34	−29	−34	2	0.50
79356 H	16 11 47.12	−00 41 17.7	10.94	H	242.946 314 19	−00.688 260 17	A	1.62	−25.38	−5.23	7.85	4.07	7.12	10.87	6.11	−36	−14	+17	+38	+	5	+	2	+10	+29	+	5	−	3	3	0.91
79357	16 11 47.60	+42 22 28.2	5.89	H	242.948 353 02	+42.374 508 76		3.49	−6.95	24.71	0.44	0.46	0.56	0.49	0.49	+	1	−10	−	5	+	6	+	8	−	6	+	5	−13	+	9	−10	0	1.00
79358	16 11 48.06	+36 25 30.6	5.62	H	242.950 254 17	+36.425 162 45		5.34	−8.89	−28.00	0.47	0.49	0.60	0.58	0.60	+17	+	8	+	2	−20	−18	+	0	−19	−12	−14	+20	0	0.28
79359	16 11 48.13	+43 10 01.6	9.41	H	242.950 533 30	+43.167 111 81		28.62	−123.80	−86.87	0.84	0.89	1.06	0.98	1.03	+	3	−	2	−	6	−	5	+	5	−21	+	6	+15	+	4	−	7	0	1.09
*79360 H	16 11 49.74	−55 32 12.0	11.15	H	242.957 270 27	−55.536 656 17	*	2.12	−8.50	−3.41	11.92	11.93	3.38	3.37	2.88	+45	+	0	+	0	+	2	+	4	−17	−	4	+14	−28	+	6	2	0.84
*79361	16 11 49.71	−52 54 52.3	10.50	G	242.957 104 30	−52.914 521 89		23.49	−238.30	−359.72	1.44	1.21	2.03	2.01	1.89	+	9	−14	−	2	−13	−11	+	9	−12	+11	−18	+	7	2	0.91
79362 H	16 11 50.51	+34 23 47.9	7.82	H	242.960 472 75	+34.396 647 71	*	5.18	9.80	0.11	1.01	1.07	1.01	0.82	1.02	+22	−	9	−	1	+	4	+23	+	5	−	9	−30	+	6	2	0.13
79363 H	16 11 50.70	−27 33 09.5	7.84	G	242.961 241 97	−27.552 638 12	A	9.79	−17.69	−34.08	1.51	1.04	1.46	1.78	1.25	−13	+18	−14	+23	+19	+16	+21	+15	−12	−	7	1	−0.59
79364	16 11 51.34	−25 53 00.3	7.73	H	242.963 904 82	−25.883 429 10		8.75	−129.51	−60.02	0.91	0.57	1.10	0.95	0.88	−26	−35	+	2	+	2	+	0	+	4	+17	+23	−40	−29	0	−1.32
79365	16 11 52.51	+27 36 50.2	8.65	H	242.968 788 39	+27.613 940 46		3.45	20.53	−24.28	0.59	0.72	1.10	0.68	0.90	+24	−15	+	8	+	1	+23	+13	+20	+18	+13	+38	1	0.30
79366	16 11 52.66	−22 32 41.9	8.23	H	242.969 432 67	−22.544 973 48		6.28	−10.37	−23.85	0.97	0.70	1.12	1.09	0.88	−15	−17	−13	+10	−	6	+20	+	2	+25	−29	−24	0	−0.74
79367	16 11 53.89	+68 07 32.9	10.90	2 H	242.974 551 93	+68.125 807 76		4.27	2.55	−2.68	2.90	3.03	3.16	3.43	3.93	+	3	−12	−18	−14	+	3	+	0	+	4	−13	−	9	−12	0			
79368	16 11 55.33	+27 55 35.7	10.26	H	242.980 544 96	+27.926 570 02		6.63	8.76	−24.44	0.87	1.14	1.62	1.03	1.36	+28	−	7	+	0	+13	+27	+13	+24	+23	+18	+42	2	0.90
79369	16 11 55.52	−21 06 17.8	8.97	G	242.981 349 13	−21.104 945 11		8.19	−8.66	−21.92	1.24	0.89	1.33	1.52	1.15	−10	−26	−	4	−	3	+	7	−	3	+	7	+	2	+	0	−13	0	1.56
79370	16 11 56.80	+09 47 35.8	8.32	H	242.986 674 25	+09.793 283 05		2.83	0.04	−10.54	0.89	0.79	1.11	1.06	1.00	−11	−16	−29	+21	−	9	−	2	−	6	+22	−22	−18	0	0.19
79371	16 11 56.94	−10 37 20.2	8.90	H	242.987 254 34	−10.622 277 03		9.48	−20.12	−17.18	1.50	0.97	1.51	1.36	1.21	+17	−46	−25	+34	+11	−13	+11	+37	+	5	−19	0	1.05
79372	16 11 57.93	−54 21 10.4	6.53	G	242.991 390 77	−54.352 895 82		6.18	−10.73	−15.88	0.61	0.49	0.83	0.80	0.68	+	0	−	8	+	2	−11	−	6	−32	−	9	+16	−26	+24	0	1.98
79373	16 11 59.22	+07 44 43.1	8.51	H	242.996 742 61	+07.745 316 07		0.92	−32.47	−20.17	1.14	0.90	1.23	1.37	1.41	−31	−38	+10	+45	−14	+	1	−14	+47	+13	−38	0	0.15
79374 H	16 11 59.74	−19 27 38.3	4.00	G	242.998 918 79	−19.460 646 84	A	7.47	−9.70	−25.25	1.07	0.85	1.11	1.13	0.93	−13	−28	−39	+24	−	9	+17	+	5	+42	−37	+	7	3	1.09
79375	16 12 00.00	−10 03 51.1	4.93	G	243.000 006 48	−10.064 185 14		19.79	−21.92	−27.95	1.04	0.81	0.94	1.24	0.99	−	2	−41	+24	+38	+31	+	5	+11	+50	+33	+20	0	2.35
79376	16 12 00.38	+11 38 21.6	9.26	H	243.001 578 10	+11.639 323 25		8.72	−233.52	66.15	1.30	1.24	1.99	1.93	1.59	−44	−41	+28	+	0	−	6	−44	+21	−31	−32	+	6	0	−1.34
79377	16 12 02.43	−18 13 57.2	7.41	H	243.010 123 22	−18.232 542 92		29.78	40.45	−33.04	0.92	0.68	1.02	1.06	0.75	−14	−22	−21	+24	−	3	+23	+	5	+28	−11	−13	0	2.60
79378	16 12 02.73	−02 50 19.2	9.91	2 H	243.011 372 65	−02.838 654 40		1.18	1.10	0.22	1.60	1.23	1.69	2.24	1.66	−13	−20	−30	−	6	+27	−	8	+21	−25	+17	−28	0	0.56
79379	16 12 02.76	+17 58 40.6	8.66	H	243.011 482 32	+17.977 946 88		1.68	−17.27	8.82	0.96	0.86	1.14	1.19	1.21	−15	−15	−11	+42	−22	+23	−20	+48	−10	−18	2	0.70
79380	16 12 02.83	−75 03 42.1	8.23	H	243.011 802 57	−75.061 706 85		3.26	−8.41	−14.75	0.53	0.62	0.79	0.56	0.74	+15	−	7	+	5	−	1	+	7	−	6	+	8	+11	−	9	+19	1	0.60
79381	16 12 02.97	+39 48 06.8	8.75	H	243.012 368 11	+39.801 881 14		6.99	−64.19	29.53	0.69	0.68	0.90	0.85	0.82	−	2	−	1	−	8	−	7	−	3	−	1	−	4	−15	+20	−18	2	−1.78
79382	16 12 03.29	−55 49 58.9	8.31	H	243.013 726 05	−55.833 033 43		1.29	−3.11	0.87	0.88	0.77	1.11	1.02	0.95	−	1	−	8	−22	+11	−	7	−	6	−	7	+33	−18	−	5	0	1.11
79383	16 12 05.94	−23 14 44.5	9.31	H	243.024 763 72	−23.245 690 13		7.09	−16.24	−21.01	1.15	0.78	1.41	1.28	1.10	−32	−13	−19	+	9	−	5	+25	+	8	+34	−42	−43	0	−1.61
79384	16 12 06.43	+14 32 49.5	9.03	H	243.026 799 30	+14.547 079 32	B	0.39	−16.37	−7.25	6.24	4.79	4.17	4.74	3.94	+	3	−36	−	5	+26	−23	−16	−24	+40	−	8	+22	4	0.64
79385	16 12 06.55	+39 03 20.1	6.39	H	243.027 279 47	+39.055 575 80		3.76	−3.91	−21.39	0.43	0.48	0.59	0.49	0.56	+	0	+	0	−15	−	7	−	3	+	4	−	5	−26	+17	−16	1	−0.16
79386 H	16 12 07.03	+11 54 39.3	8.18	H	243.029 310 63	+11.910 924 32	A	4.43	24.87	−19.37	1.94	1.62	2.13	2.37	2.06	−39	−38	+27	−	9	−	1	−17	−	1	+	5	−14	+12	0	1.14
79387	16 12 07.29	−08 32 51.3	5.43	G	243.030 372 16	−08.547 579 43		13.05	44.39	1.45	1.00	0.61	1.02	0.95	0.73	−	8	−58	+20	+26	+16	+12	+	8	+46	+	6	+14	0	−0.38
79388	16 12 08.38	+14 32 56.2	8.42	G	243.034 911 79	+14.548 950 10	A	0.71	15.04	−17.99	2.67	2.12	2.57	2.85	2.28	−11	−42	+	5	+43	−19	−17	−18	+51	+	0	+25	4	0.64
79389	16 12 08.93	+17 48 28.0	9.07	H	243.037 197 09	+17.807 780 74		4.74	14.79	−7.70	1.19	1.08	1.44	1.45	1.33	+	6	−24	−38	+49	−16	+21	−	3	+53	−23	−	3	4	1.15
79390	16 12 09.61	+15 43 26.1	10.66	H	243.040 042 15	+15.723 907 38		2.44	−5.29	−16.31	1.94	1.77	2.56	2.44	2.31	−20	−41	+26	+49	−16	−24	−21	+61	+22	+	7		0	1.92
79391 H	16 12 09.63	−00 06 38.9	7.84	H	243.040 127 03	−00.110 813 87	A	4.97	3.37	12.27	1.53	1.04	1.38	1.55	1.44	−55	−35	+28	+41	−28	−	4	−37	+66	+26	−36	0	0.08
79392	16 12 09.90	−23 55 17.3	8.44	H	243.041 243 96	−23.921 479 00		5.15	−10.22	−18.10	0.98	0.61	1.13	1.12	0.88	−23	−19	−18	−	1	+12	+	5	+23	+20	−24	−35	0	0.30
79393	16 12 10.28	+19 19 05.4	9.31	H	243.042 827 37	+19.318 176 02		3.98	0.90	−10.28	1.02	1.07	1.41	1.00	1.22	−17	−36	+	2	−12	−37	+	5	−37	+40	+	1	−16	3	1.27
79394	16 12 11.87	+05 29 34.5	11.85	G	243.049 473 95	+05.492 926 45		16.32	−354.91	−638.72	9.42	7.76	11.63	11.36	11.75	−45	+	4	−22	+	7	−17	+	6	−19	+22	−29	−47	4			
79395	16 12 11.97	−16 40 37.5	9.81	H	243.049 860 34	−16.677 074 86		2.18	−26.33	−2.59	1.48	1.26	1.88	1.73	1.37	−17	−23	−45	+	4	−	2	−19	−13	+13	+	9	−36	0	−1.17
79396	16

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
79301	10.116	0.026	8.285	0.011		1.523	0.022	T	1.56	0.03	L	8.2521	0.0012	0.013	124		8.23	8.28		C			1							
79302	6.560	0.005	5.223	0.003		1.131	0.002	G	1.09	0.00	H	5.2578	0.0009	0.006	60		5.25	5.27		C			1							S
79303	9.305	0.018	7.937	0.011		1.158	0.017	T	1.12	0.01	L	7.9690	0.0012	0.013	70		7.95	8.00		C			1							
79304	9.473	0.017	8.736	0.014		0.675	0.018	T	0.73	0.01	L	8.8066	0.0017	0.015	108		8.78	8.83					1							
79305	8.047	0.005	7.575	0.005		0.445	0.006	T	0.51	0.01	L	7.6191	0.0012	0.012	240		7.60	7.64					1							S
79306	8.686	0.014	8.205	0.013		0.485	0.015	G	0.56	0.02	H	8.2655	0.0014	0.014	82		8.25	8.29					1							S
79307	9.107	0.012	8.434	0.011		0.623	0.014	T	0.69	0.01	L	8.5055	0.0022	0.017	95		8.48	8.53					1							S
79308	9.171	0.014	8.382	0.011		0.714	0.015	G	0.76	0.01	H	8.4487	0.0014	0.016	128		8.43	8.48					1							S
79309	10.200	0.026	9.615	0.023		0.546	0.031	T	0.62	0.03	L	9.6763	0.0021	0.025	129		9.63	9.73		C			1							
79310	8.545	0.011	8.146	0.011		0.377	0.014	T	0.44	0.01	L	8.2163	0.0024	0.014	80		8.19	8.25					1							S
79311	8.416	0.010	7.926	0.009		0.475	0.015	G	0.55	0.02	H	7.9975	0.0012	0.013	125		7.97	8.02		C			1							S
79312	8.262	0.014	7.824	0.011	*	0.410	0.015	G	0.48	0.02	H	* 7.9916	0.0011	0.011	129	*	7.97	8.02		D	16112+4734	I 1	2 C A	AB	164	2.603	0.021	2.78	0.07	S
79313	10.508	0.067	9.905	0.059		0.562	0.078	T	0.64	0.07	L	9.9715	0.0038	0.021	41		9.93	10.02		C			1							
79314	9.100	0.015	7.795	0.009		1.109	0.014	T	1.07	0.01	L	7.8528	0.0011	0.012	133		7.82	7.88		C			1							S
79315	11.594	0.097	10.564	0.062		0.970	0.005	G	1.02	0.01	I	10.4163	0.0036	0.029	108		10.36	10.46		C			1 S							G
79316	10.056	0.038	8.300	0.017		1.464	0.033	T	1.47	0.05	L	8.2708	0.0030	0.014	45		8.24	8.29					1							
79317	9.493	0.021	8.984	0.020		0.501	0.015	G	0.57	0.02	H	9.0618	0.0017	0.024	83		9.03	9.11					1 G							
79318	8.679	0.011	8.196	0.010		0.460	0.015	G	0.53	0.02	H	8.2412	0.0014	0.015	109		8.22	8.26		C			1							
79319	9.787	0.017	8.998	0.014		0.716	0.017	T	0.77	0.01	L	9.0656	0.0015	0.018	135		9.03	9.11					1							
79320	6.193	0.003	5.891	0.003		0.273	0.006	G	0.31	0.01	H	5.9362	0.0008	0.007	103		5.92	5.95					1							S
79321	8.582	0.011	8.086	0.010		0.506	0.015	G	0.58	0.02	H	8.1409	0.0017	0.015	111		8.12	8.17		C			1							S
79322	7.218	0.006	6.707	0.005		0.482	0.004	G	0.55	0.00	H	6.7573	0.0008	0.006	99		6.75	6.77		C			1							S
79323	11.055	0.054	9.111	0.018		1.613	0.045	T	1.63	0.05	L	9.0250	0.0028	0.018	103		8.99	9.06					1							
79324	9.656	0.028	9.409	0.032		0.235	0.040	T	0.26	0.05	L	9.4712	0.0036	0.018	52		9.44	9.51		C			1							
79325	8.609	0.010	8.169	0.010		0.415	0.013	T	0.48	0.01	L	8.2258	0.0012	0.016	120		8.20	8.26					1							S
79326	9.402	0.019	7.870	0.010		1.287	0.017	T	1.25	0.02	L	7.9037	0.0018	0.013	83		7.87	7.92		C			1							S
79327	8.256	0.006	7.661	0.007		0.555	0.008	T	0.63	0.01	L	7.7128	0.0010	0.014	201		7.69	7.74					1							S
79328	9.787	0.016	8.640	0.011		0.986	0.015	T	0.97	0.01	L	8.6867	0.0021	0.021	168		8.65	8.73					1							
79329	11.828	0.153	9.977	0.044	A	0.999	0.150	G	0.98	0.12	R	9.9945	0.0231	0.079	85	A	9.90	10.17		D	16114−5124	I 2	1 C P A							G
79330											T	10.9942	0.0500			B				D	16114−5124	I 2	1 C I A							
79331	9.674	0.013	9.273	0.013		0.379	0.017	T	0.44	0.02	L	9.3145	0.0020	0.028	250		9.26	9.37		U 2			1							
79332	6.116	0.004	6.094	0.004		0.020	0.005	T	0.04	0.01	L	6.1029	0.0008	0.006	81		6.09	6.11		C			1							S
79333	9.485	0.020	8.993	0.019	*	0.463	0.025	T	0.53	0.03	L	* 8.9544	0.0025	0.016	101	*	8.93	8.98		D	16115+1507	I 1	2 C B	AB	123	0.693	0.003	0.01	0.01	
79334	10.735	0.029	9.560	0.017		1.008	0.026	T	0.98	0.02	L	9.6425	0.0022	0.030	230		9.59	9.70					1							
79335	10.964	0.068	10.006	0.046		0.830	0.064	T	0.85	0.05	L	10.2244	0.0033	0.023	58		10.20	10.27		C			1							G
79336	11.902	0.149	10.558	0.067	*	1.136	0.132	T	1.23	0.19	L	* 10.4331	0.0027	0.025	92	*	10.39	10.48		D	16115−5021	I 1	2 C B	AC	247	0.513	0.007	0.38	0.03	G
79337	6.826	0.004	6.544	0.005	*	0.268	0.006	T	0.30	0.01	L	* 6.5898	0.0013	0.010	81	*	6.58	6.61			16115+0943	I 1	2 C S A	AB	101	0.125	0.034	0.32	1.13	S
79338	9.465	0.022	7.867	0.011		1.308	0.010	G	1.28	0.05	L	7.8654	0.0010	0.010	84		7.85	7.88					1							S
79339	9.379	0.024	8.895	0.023		0.456	0.030	T	0.53	0.03	L	8.9442	0.0014	0.015	48		8.91	8.97		D			1							
79340	10.782	0.042	9.049	0.017		1.474	0.037	T	2.44	0.08	O	8.8587	0.0034	0.028	108		8.81	8.90		U 2			1							
79341	10.124	0.039	9.372	0.032		0.687	0.040	T	0.74	0.03	L	9.4480	0.0030	0.018	54		9.40	9.47		C			1							
79342	11.044	0.073	9.785	0.040		1.073	0.065	T	1.04	0.05	L	9.8165	0.0055	0.026	41		9.76	9.84					1 S							
79343	7.093	0.006	6.960	0.006		0.121	0.008	T	0.14	0.01	L	6.9921	0.0010	0.007	85		6.98	7.00		C			1							S
79344	11.338	0.079	10.100	0.041		1.057	0.069	T	1.02	0.06	L	10.0225	0.0026	0.024	95		9.99	10.06		C			1							G
79345	10.457	0.043	8.945	0.020		1.271	0.037	T	1.23	0.04	L	8.9499	0.0017	0.014	104		8.92	8.97		C			1							
79346	8.879	0.014	8.192	0.012		0.623	0.014	T	0.69	0.01	L	8.2500	0.0013	0.013	95		8.23	8.27		C			1							S
79347	10.499	0.028	8.850	0.013		1.405	0.025	T	2.75	0.04	O	8.5804	0.0042	0.033	123		8.51	8.63		U 2			1 S							S
79348	10.631	0.036	8.981	0.015		1.380	0.031	T	1.35	0.04	L	8.9482	0.0025	0.019	103		8.92	8.98					1							
79349	7.787	0.007	5.999	0.004		1.519	0.007	T	2.73	0.01	O	5.7148	0.0029	0.046	207		5.65	5.80		U 2			1 S							S
79350	7.864	0.007	6.407	0.004	*	1.228	0.006	T	1.19	0.01	L	* 6.4576	0.0008	0.008	157	*	6.44	6.48		C	16117+3321	I 1	2 C B	AB	263	5.624	0.022	4.09	0.11	S
79351	9.636	0.019	8.531	0.013		0.953	0.018	T	0.94	0.01	L	8.5953	0.0013	0.014	123		8.58	8.63					1							
79352	11.582	0.075	9.654	0.021		1.635	0.064	T	2.04	0.23	K	9.5046	0.0029	0.033	168		9.44	9.56					1							
79353	9.351	0.015	8.699	0.013		0.605	0.017	T	0.67	0.01	L	8.7553	0.0016	0.017	131		8.73	8.79					1							S
79354	10.614	0.046	9.747	0.035		0.775	0.043	T	0.81	0.03	L	9.7019	0.0035	0.027	80		9.65	9.76					1 S							
79355	9.638	0.025	8.454	0.016		1.015	0.023	T	0.99	0.02	L	8.4843	0.0014	0.012	89		8.46	8.50		C			1 S							
79356	11.801	0.128	11.041	0.098	*	0.693	0.126	T	0.75	0.10	L	* 11.0795	0.0052	0.045	103	*	10.97	11.13		R	16118−0041	I 1	2 C A	AB	358	1.098	0.017	0.61	0.07	G
79357	7.799	0.008	6.043	0.003		1.464	0.007	T	1.47	0.01	L	6.0169	0.0010	0.009	123		6.00	6.03			16118+4222	I 1	1							S
79358	7.395	0.005	5.781	0.003		1.352	0.005	T	1.32	0.01	L	5.7748	0.0007	0.007	117		5.76	5.79			16118+3626	I 1	1 G							S
79359	10.785	0.043	9.601	0.026		1.015	0.039	T	0.99	0.03	L	9.5719	0.0038	0.031	104		9.53	9.63		R			1							
79360											T	* 11.2950	0.0056	0.041	93	*	11.22	11.37		C	16118−5532	H 1	2 C B	AB	109	0.225	0.089	0.52	1.34	G
79361	11.814	0.155	10.404	0.068		1.158	0.001	G	1.26	0.00	I	10.5996	0.0031	0.030	95		10.55	10.67		C			1 G							G
79362	8.866	0.013	7.915	0.010	*	0.838	0.012	T	0.86	0.01	L	* 7.9777	0.0015	0.015	131	*	7.95	8.00		D	16118+3424	I 1	2 C A	AB	13	0.258	0.004	0.52	0.08	S
79363	8.376	0.013	8.035	0.014	A	0.364	0.015	G	0.43	0.02	H	* 7.9111	0.0017	0.013	81	*	7.89	7.94		D	16119−2733	I 1	2 C A	AB	351	4.908	0.008	1.75	0.04	S
79364	9.051	0.013	7.855	0.009		1.024	0.012	T	1.00	0.01	L	7.8998	0.0010	0.016	101		7.88	7.93					1							
79365	9.122	0.010	8.687	0.010		0.411	0.013	T	0.48	0.01	L	8.7396	0.0019	0.021	195		8.70	8.78					1							
79366	8.607	0.015	8.264	0.016		0.337	0.015	G	0.39	0.02	H	8.3073	0.0016	0.010	57		8.28	8.33		C			1							S
79367	11.636	0.089	10.902	0.075		0.557	0.072	G	0.63	0.07	R	11.0169	0.0084	0.077	103		10.89	11.10		U 2			1 X S							G
79368	11.048	0.038	10.328	0.032		0.661	0.040	T	0.72	0.03	L	10.4023	0.0035	0.035	191		10.35	10.47					1							
79369	9.563	0.025	9.013	0.024		0.489	0.020	G	0.56	0.02	H	9.0892	0.0031	0.019	58		9.06	9.14		C			1							
79370	9.648	0.020	8.450	0.013		1.025	0.019	T	1.00	0.02	L	8.4890	0.0021	0.016	80		8.46	8.52		C			1							
79371	9.571	0.027	8.980	0.025		0.552	0.032	T	0.62	0.03	L	9.0225	0.0013	0.011	50		8.98	9.05					1							
79372	6.534	0.005	6.495	0.008		0.020	0.015	G	0.03	0.05	F	6.5377	0.0011	0.009	97		6.52	6.55					1							S
79373	10.360	0.033	8.664	0.015		1.416	0.029	T	1.40	0.05	L	8.6533	0.0020	0.016	81		8.62	8.68		C			1							
79374	4.109	0.029	4.127	0.028	A	0.076	0.044	G	0.14	0.02	A	* 4.0076	0.0011	0.007	45	*	4.00	4.03		D	16120−1928	I 1	2 C A	AB	2	1.305	0.004	1.03	0.02	S
79375	5.068	0.004	4.951	0.003		0.087	0.003	G	0.09	0.02	A	4.9706	0.0006	0.004	46		4.96	4.98					1 G							S
79376	10.145	0.035	9.273	0.027		0.779	0.033	T	0.81	0.02	L	9.4129	0.0026	0.025	56		9.36	9.45					1							
79377	8.164	0.010	7.478	0.010		0.616	0.015	G	0.68	0.01	H	7.5418	0.0019	0.011	54		7.53	7.56					1							S
79378	11.330	0.091	10.013	0.044		1.118	0.079	T	1.08	0.08	L	10.0803	0.0038	0.023	54		10.01	10.11		U			1							
79379	9.919	0.027	8.775	0.017		0.983	0.025	T	0.96	0.02	L	8.8211	0.0020	0.017	79		8.80	8.86		C			1							
79380	8.259	0.007	8.225	0.009		0.031	0.010	T	0.05	0.01	L	8.2430	0.0014	0.018	168		8.21	8.27					1							
79381	9.528	0.018	8.806	0.016		0.663	0.019	T	0.72	0.02	L	8.8923	0.0016	0.017	128		8.86	8.93		C			1							S
79382	10.108	0.030	8.526	0.014		1.326	0.026	T	1.29	0.03	L	8.4607	0.0021	0.019	91		8.43	8.49					1							
79383	9.924	0.025	9.366	0.023		0.526	0.020	G	0.60	0.02	H	9.4249	0.0024	0.017	91		9.40	9.45		C			1							
79384	10.222	0.042	9.109	0.027	B	0.959	0.039	T	0.95	0.03	L	9.2409	0.0129			B				D	16121+1433	I 2	1 C I D							D
79385	8.028	0.009	6.528	0.005		1.262	0.008	T	1.22	0.01	L	6.5550	0.0009	0.007	124		6.54	6.57					1							S
79386	8.482	0.015	8.092	0.016	*	0.305	0.015	G	0.35	0.02	H	* 8.2571	0.0025	0.022	59	*	8.23	8.32		D	16121+1155	I 1	2 C A	AB	147	7.418	0.009	1.17	0.04	S
79387	5.576	0.004	5.447	0.005		0.118	0.003	G	0.13	0.00	H	5.4731	0.0009	0.004	43		5.47	5.48		C			1							S
79388	10.304	0.032	8.563	0.014	A	1.450	0.015	G	1.45	0.02	H	8.5508	0.0086	0.021	103	A	8.51	8.59		D	16121+1433	I 2	1 C P D							D
79389	9.572	0.021	9.125	0.021		0.422	0.027	T	0.49	0.03	L	9.1658	0.0024	0.024	83		9.13	9.20					1							S
79390	12.122	0.181	10.970	0.101		0.730	0.126	G	0.78	0.09	R	10.8002	0.0056	0.045	83		10.70	10.85					1 S							G
79391	8.621	0.010	7.927	0.009	*	0.640	0.011	T	0.70	0.01	L	* 7.9706	0.0017	0.013	108	*	7.94	7.99		D	16122−0007	I 1	2 C A	AB	79	0.870	0.010	2.17	0.03	S
79392	8.782	0.012	8.475	0.013		0.292	0.017	T	0.33	0.02	L	8.5139	0.0012	0.014	115		8.49	8.54		D	16122−2355	I 1	1							
79393	9.649	0.020	9.323	0.023		0.309	0.029	T	0.35	0.04	L	9.3822	0.0026	0.025	107		9.34	9.42					1							
79394						0.975	0.005	G	1.02	0.01	I	11.9722	0.0069	0.062	91		11.85	12.05					1 X S							G G
79395	10.667	0.064	9.786	0.044		0.770	0.060	T	0.81	0.04	L	9.9553	0.0036	0.019	51		9.92	10.00		C			1							G
79396	8.947	0.015	8.287	0.013		0.612	0.017	T	0.68	0.01	L	8.3261	0.0014	0.014	80		8.30	8.35		D	16122+0908	I 1	1 S							S
79397	10.208	0.034	9.407	0.027		0.709	0.033	T	0.76	0.03	L	9.4688	0.0018	0.016	87		9.43	9.50					1							
79398	8.458	0.010	7.860	0.008		0.558	0.011	T	0.63	0.01	L	7.9238	0.0012	0.012	122		7.90	7.95		C			1							S
79399	5.735	0.006	5.776	0.008	A	0.012	0.009	G	0.03	0.01	H	* 5.6747	0.0008	0.007	69	*	5.67	5.69		D	16123−2825	I 1	2 C A	AB	71	3.838	0.009	2.33	0.03	S
79400	8.526	0.009	8.226	0.010	A	0.400	0.495	G	0.30	0.03	L	* 8.2267	0.0016	0.015	104	*	8.20	8.25			16123−4223	I 1	2 C B	AB	191	4.873	0.021	3.44	0.13	S

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg		Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)										Soln F1 %	F2
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
79401	16 12 17.57	+32 39 19.0	7.35	H	243.073 190 43	+32.655 279 92		4.89	−94.03	31.24	0.49	0.58	0.75	0.51	0.63	+ 4	−22	− 3	+ 4	+13	−13	+15	+ 4	−13	− 4	0	0.43
*79402	16 12 17.70	−69 37 10.5	8.16	H	243.073 769 67	−69.619 595 05		0.58	−2.57	−7.80	0.41	0.60	0.81	0.43	0.71	+21	−11	− 8	−15	− 5	− 6	− 9	+17	− 1	+28	0	1.27
*79403	16 12 17.67	−29 00 02.9	8.58	G	243.073 618 75	−29.000 805 97		8.19	24.53	8.31	1.21	0.77	1.34	1.29	1.03	−26	−43	− 1	−10	+ 2	+ 8	+ 9	+21	−12	−33	0	−0.08
79404	16 12 18.21	−27 55 34.7	4.58	H	243.075 882 21	−27.926 315 64		6.97	−10.31	−23.17	0.75	0.54	0.79	0.88	0.76	−38	−25	− 4	−13	+20	− 5	+24	+ 0	+ 4	−53	0	−0.16
79405	16 12 18.78	−14 48 55.9	10.01	H	243.078 248 45	−14.815 515 90		6.76	−21.54	−57.85	1.63	1.14	1.82	1.81	1.37	+ 1	−38	−27	+11	−10	+13	+ 1	+28	−17	−21	0	0.10
79406	16 12 19.62	−65 21 54.1	8.17	H	243.081 753 18	−65.365 020 63		10.95	−44.53	−69.17	0.56	0.61	1.08	0.64	0.75	− 2	+12	− 4	−49	− 5	−19	+ 6	+ 9	+17	−21	1	1.12
79407	16 12 20.50	−13 44 18.8	8.80	H	243.085 429 27	−13.738 557 23		2.56	−32.27	−21.89	1.19	0.88	1.26	1.45	1.06	+11	− 9	−26	+14	+10	−14	+ 7	+12	+ 4	−10	0	−0.55
79408	16 12 20.84	+31 28 34.4	8.35	H	243.086 846 23	+31.476 222 83		4.97	−64.38	36.06	0.65	0.78	1.01	0.92	1.48	+ 0	− 8	− 3	+11	+29	+16	+20	−14	−32	−63	1	1.75
79409	16 12 21.49	+42 59 19.2	8.57	2 H	243.089 555 00	+42.988 654 88		1.14	0.21	2.02	0.70	0.68	0.86	0.86	0.74	+ 9	+14	− 2	+19	+ 5	+ 2	+ 1	+ 8	− 9	− 7	0	−0.17
79410	16 12 21.84	−19 34 44.4	7.64	H	243.090 995 01	−19.578 988 23		7.68	−10.47	−24.90	1.06	0.79	1.24	1.08	0.82	+21	−42	−50	+24	− 6	+15	+15	+43	−32	−16	0	2.61
79411	16 12 22.22	−61 55 44.2	7.02	H	243.092 582 71	−61.928 940 89		6.82	−28.26	−35.46	0.50	0.58	0.74	0.64	0.78	−15	−14	−14	+23	−14	+16	−12	+52	−10	−16	0	0.34
79412	16 12 24.59	+23 08 01.3	10.23	H	243.102 470 20	+23.133 688 11		3.30	−19.77	6.82	1.26	1.35	2.03	1.46	1.67	+34	−22	−11	−19	−11	− 5	− 6	+ 5	−24	+32	3	0.24
79413	16 12 25.15	+26 25 53.1	7.89	H	243.104 794 65	+26.431 422 93		2.62	16.78	−25.97	0.54	0.63	0.92	0.57	0.76	+14	−16	− 7	−32	+15	− 2	+ 9	− 3	− 4	+45	0	2.63
79414	16 12 25.38	+67 08 39.4	6.21	H	243.105 740 27	+67.144 279 33		6.71	−11.94	−42.55	0.46	0.50	0.50	0.53	0.60	+10	−17	−19	−16	− 2	+ 0	− 3	−19	+ 7	+14	0	−0.56
79415	16 12 27.56	−75 17 34.1	7.89	H	243.114 851 51	−75.292 791 84		5.14	−27.61	−20.34	0.49	0.57	0.74	0.50	0.64	+20	− 6	− 3	−11	− 1	−12	− 1	+ 1	− 5	+23	1	0.41
79416	16 12 28.21	−10 28 56.0	8.50	H	243.117 559 56	−10.482 229 96		4.29	−10.27	1.31	1.45	0.89	1.45	1.35	1.19	+14	−51	−16	+29	+11	− 6	+17	+37	− 5	−21	0	1.25
79417	16 12 28.38	+13 42 54.8	9.70	H	243.118 245 13	+13.715 223 54		1.00	5.44	−0.09	1.28	0.96	1.48	1.55	1.27	−19	−26	+ 5	+47	−23	− 6	−23	+52	− 7	+ 5	0	1.96
79418	16 12 28.98	+04 15 19.6	9.12	H	243.120 736 73	+04.255 436 68		1.85	−15.36	5.75	1.19	0.90	1.62	1.77	1.55	−53	−10	+ 1	+ 2	−12	+14	−34	−31	0	0.52
79419 H	16 12 30.37	−38 06 23.4	9.88	G	243.126 522 72	−38.106 497 99	A	26.57	−155.02	−53.30	2.55	1.91	2.56	3.15	2.36	−25	+ 3	−10	+ 6	+ 7	− 9	+10	+41	− 6	−19	1	−0.29
79420	16 12 32.20	+75 12 38.1	6.36	H	243.134 153 19	+75.210 594 42		4.26	−43.51	35.73	0.46	0.44	0.48	0.46	0.50	+14	−26	−15	−25	− 3	− 3	− 5	+ 8	+ 3	+13	1	−0.73
79421	16 12 33.07	+16 32 21.7	8.24	H	243.137 783 19	+16.539 355 42		9.01	−55.95	−19.98	0.93	0.74	1.10	0.93	0.92	− 9	−39	− 4	+52	−15	− 9	−11	+38	− 9	− 8	0	−1.83
79422	16 12 33.65	−67 54 21.2	8.74	H	243.140 207 22	−67.905 898 42		0.96	−0.61	−24.71	0.65	0.87	1.29	0.74	1.01	+11	−16	+ 0	−10	+ 0	−18	+ 0	+19	+ 2	+10	1	0.91
79423	16 12 33.82	+56 28 36.0	10.66	H	243.140 915 16	+56.476 660 51		3.44	13.79	−14.42	1.06	1.11	1.16	1.29	1.28	+ 5	− 6	−11	− 3	+15	− 5	+12	+19	− 9	+17	1	1.25
79424	16 12 34.32	−52 54 16.1	9.09	H	243.142 992 63	−52.904 466 75		4.41	9.75	−9.59	1.11	0.85	1.45	1.30	1.14	+16	−29	−30	− 4	− 2	− 8	− 3	+30	−21	+22	0	1.35
79425	16 12 34.88	+79 21 22.3	9.63	H	243.145 313 89	+79.356 208 27		2.60	2.42	26.14	0.74	0.84	0.85	0.83	0.96	+ 0	−14	−24	−14	+ 6	− 2	+11	+29	−15	−11	0	−0.35
79426 H	16 12 35.13	+57 47 42.0	8.62	H	243.146 373 83	+57.795 006 57	A	8.96	−16.51	−2.31	1.01	0.96	0.98	1.13	1.06	+14	−20	−10	− 4	− 2	+24	+ 4	+ 4	−15	+ 9	1	−1.00
79427	16 12 35.68	−69 08 00.2	8.80	H	243.148 671 99	−69.133 384 99		2.96	−9.74	−11.38	0.51	0.77	1.08	0.56	0.95	+28	− 7	− 2	− 3	+ 0	−12	− 7	+25	+ 1	+41	2	2.42
79428	16 12 35.72	+51 45 48.8	9.20	H	243.148 849 08	+51.763 545 55		5.74	−54.98	7.62	0.85	0.80	0.91	0.83	0.87	+ 4	+ 7	+ 3	−14	+10	+ 0	+12	− 1	+11	+ 3	3	1.67
79429	16 12 39.34	−39 44 31.5	7.74	G	243.163 914 68	−39.742 094 58		10.21	−23.36	−16.23	0.72	0.51	0.90	0.77	0.70	− 6	−26	−19	+10	−15	− 7	− 6	+38	−23	−29	0	−0.08
79430	16 12 39.75	−30 09 07.1	8.19	H	243.165 633 87	−30.151 963 94		4.49	3.63	−14.66	0.95	0.70	1.09	1.17	0.95	−33	−20	− 7	+12	− 7	+18	− 5	+45	−17	−25	0	−0.39
79431	16 12 41.76	−18 52 30.0	11.34	G	243.173 998 21	−18.874 990 82		67.13	24.12	−210.89	2.95	1.94	3.55	3.09	2.21	− 2	−51	−26	− 7	− 2	+16	+20	+19	−36	−12	0	1.67
79432	16 12 41.99	−13 18 55.7	11.03	H	243.174 937 51	−13.315 464 10		11.14	−87.02	−73.16	2.37	1.75	2.63	2.99	2.24	−15	−10	−18	− 8	+14	−19	+12	+ 1	+ 6	−27	0	2.06
79433	16 12 43.03	+45 53 39.6	7.56	H	243.179 291 36	+45.894 338 39		3.64	−23.04	12.86	0.52	0.59	0.62	0.59	0.70	+ 3	+ 1	+ 2	+20	+ 2	+12	+ 5	+35	− 6	−19	0	−0.65
79434	16 12 43.06	+43 38 58.5	8.12	H	243.179 416 90	+43.649 577 45		12.27	118.44	2.76	0.55	0.57	0.68	0.61	0.61	+ 7	+ 0	− 5	+ 5	+14	−24	+13	+ 6	+ 0	+ 2	0	−0.27
79435	16 12 43.10	−71 34 30.1	8.13	H	243.179 581 92	−71.575 038 92		0.03	−0.19	−13.30	0.51	0.65	0.86	0.53	0.78	+18	−24	+ 0	− 1	+ 8	+11	+ 4	+18	+15	+26	1	−0.49
79436 H	16 12 43.21	+40 46 54.1	7.78	H	243.180 055 71	+40.781 702 41	A	6.62	−21.24	0.43	0.87	0.79	0.96	1.01	0.89	− 3	+ 5	− 8	+13	+19	+ 3	+16	− 5	−10	−12	1	0.72
79437	16 12 43.56	−28 19 18.1	8.90	G	243.181 509 91	−28.321 689 13		−0.96	2.25	0.78	1.17	0.79	1.28	1.32	1.12	−30	−29	−18	−17	+22	− 5	+30	− 2	−10	−54	0	0.07
79438	16 12 43.60	+68 52 54.2	8.95	H	243.181 677 11	+68.881 721 64		8.37	8.53	−19.57	15.32	16.93	16.79	17.13	22.03	+ 4	+ 1	− 2	−25	− 2	+ 5	− 2	−26	−21	− 8	0	
79439	16 12 44.10	−19 30 10.1	7.58	H	243.183 769 71	−19.502 814 47		7.98	−7.30	−24.89	1.10	0.78	1.29	1.12	0.82	+17	−45	−43	+14	−10	+ 8	+11	+39	−36	− 9	7	1.72
79440 H	16 12 44.92	−54 19 06.9	10.04	2 G	243.187 173 39	−54.318 592 14	A	3.71	−11.92	4.73	5.60	4.00	6.31	6.37	4.88	+11	−21	−11	− 4	+ 5	−33	− 2	+22	−26	+41	11	4.90
79441 H	16 12 45.43	+26 40 14.4	6.48	G	243.189 273 82	+26.670 659 93	A	13.68	68.89	−31.74	0.53	0.61	0.81	0.52	0.67	+ 5	−17	− 5	−29	+19	− 1	+17	−17	+ 3	+33	1	0.09
79442	16 12 45.62	−26 21 55.8	9.44	G	243.190 103 47	−26.365 492 26		5.73	−12.04	−9.43	1.29	0.83	1.62	1.50	1.26	−30	−34	+ 2	+ 3	+ 6	−10	+19	+13	−44	− 9	0	−1.67
79443	16 12 45.69	−01 43 18.8	7.48	H	243.190 389 69	−01.721 896 05		0.36	−0.31	−3.66	0.84	0.61	0.93	1.05	1.00	−28	−16	−19	+31	−12	− 6	−12	+28	+14	−46	0	−0.23
79444	16 12 46.07	+12 34 54.0	8.18	H	243.191 967 22	+12.581 657 16		1.49	−11.49	7.36	0.97	0.80	1.20	1.21	1.21	−33	−46	+ 7	+ 4	− 6	− 5	+ 2	+ 9	−15	−38	0	0.44
79445	16 12 46.68	+28 31 53.6	9.23	H	243.194 483 71	+28.531 563 21		3.04	−3.72	−25.01	0.75	0.93	1.29	0.76	1.14	+16	−13	+ 5	+19	+19	− 1	+23	+18	−10	+15	3	2.51
79446	16 12 47.52	+22 15 59.1	8.23	2 H	243.197 998 37	+22.266 412 63		1.41	−4.95	−0.80	0.68	0.63	1.08	0.72	0.84	+38	−22	+ 1	−34	−18	+ 7	−14	− 3	−19	+32	0	2.02
79447	16 12 47.83	−06 50 25.4	10.35	H	243.199 304 43	−06.840 384 69		3.10	15.84	−28.84	1.65	1.27	1.73	1.91	1.69	− 9	−22	− 9	+25	− 4	+ 1	− 2	+32	− 1	−20	0	−1.45
79448 H	16 12 48.31	+39 21 33.2	8.57	G	243.201 296 94	+39.359 229 68	*	15.31	−264.01	278.83	0.63	0.69	0.85	0.67	0.78	− 4	−15	− 9	−23	− 1	+11	− 2	−21	+10	−26	0	−0.47
79449	16 12 49.48	+50 23 53.8	9.05	H	243.206 169 33	+50.398 275 51		0.12	0.13	4.25	0.73	0.75	0.82	0.79	0.89	− 6	− 8	− 6	+ 0	−10	+ 0	− 6	+16	+ 0	−36	0	−1.22
79450	16 12 50.48	−16 01 02.4	9.11	H	243.210 323 45	−16.017 338 73		2.28	−3.89	−3.55	1.86	1.89	1.60	3.01	3.55	−62	−21	−19	+39	−66	+29	−52	+67	−25	−80	0	1.76
79451	16 12 50.60	−28 07 55.3	7.98	H	243.210 836 30	−28.132 041 30		10.75	−4.66	16.54	1.02	0.64	1.14	1.08	0.91	−19	−37	−18	− 7	+17	− 9	+26	+10	− 8	−48	0	−0.78
79452	16 12 51.00	+32 35 57.1	7.50	H	243.212 499 67	+32.599 207 48		6.29	−0.17	0.32	0.52	0.59	0.78	0.55	0.67	+ 5	−22	− 3	+12	+14	−17	+17	+ 7	−16	− 1	1	0.68
79453	16 12 51.47	+19 06 05.6	7.08	H	243.214 441 90	+19.101 561 13		3.31	−41.33	−5.31	0.72	0.66	0.93	0.81	0.86	− 5	−31	+ 7	+25	−11	+ 7	−14	+41	+ 5	− 1	2	1.71
79454	16 12 52.09	−30 47 59.9	9.68	H	243.217 060 70	−30.799 967 84		5.40	−22.89	−37.41	1.42	1.29	2.07	1.96	1.95	−40	− 3	−55	+ 9	−35	+33	−15	+65	−60	−57	0	2.10
79455	16 12 52.19	−12 21 07.7	9.65	H	243.217 449 70	−12.352 143 47		3.15	−22.99	2.82	1.81	1.26	2.26	2.45	2.00	− 9	−33	−16	+11	+29	−40	+12	− 8	+39	−40	0	1.03
79456	16 12 52.49	−47 06 32.9	11.01	G	243.218 722 74	−47.109 132 30		33.08	55.81	43.56	1.80	1.22	2.40	2.03	1.53	− 3	−18	−14	− 8	+ 8	−18	+ 8	+16	−27	+11	0	2.28
79457	16 12 53.70	+03 38 49.6	10.72	H	243.223 739 45	+03.647 100 00		2.41	−17.20	−13.10	1.77	1.44	2.26	2.60	2.22	−61	+13	− 4	+27	−19	+26	−18	+13	−17	−42	3	0.55
79458	16 12 54.51	−34 39 20.4	10.41	G	243.227 139 52	−34.655 661 03		−1.95	−6.81	−4.69	1.76	1.20	2.04	2.14	1.60	−14	− 1	−17	− 5	− 6	−24	− 3	+39	− 5	−29	0	3.95
79459	16 12 54.82	−33 50 49.7	9.54	H	243.228 423 71	−33.847 152 46		9.52	−14.19	−16.31	1.33	0.96	1.52	1.61	1.17	−23	−12	−19	+10	− 8	+ 7	− 8	+45	−18	−16	0	0.24
79460	16 12 54.88	−08 36 03.9	9.45	G	243.228 684 42	−08.601 075 17		3.64	−9.38	−31.01	1.72	1.20	1.73	1.95	1.62	− 6	−36	+12	+47	+ 7	+12	− 1	+55	+21	− 7	0	1.25
79461	16 12 55.14	−42 47 06.0	8.97	H	243.229 757 54	−42.784 993 45		9.67	61.21	86.87	1.05	0.81	1.50	1.64	1.27	−20	−22	−20	+11	− 2	−29	+ 1	+48	−16	−29	0	0.38
79462	16 12 55.34	−23 19 45.5	9.28	H	243.230 590 90	−23.329 304 04		4.44	−12.70	−21.92	1.16	0.83	1.42	1.28	1.10	−27	− 2	−31	+13	−14	+18	− 5	+44	−40	−37	0	−0.61
79463	16 12 56.60	−04 13 14.7	6.26	H	243.235 836 90	−04.220 760 69		5.85	−29.74	−19.79	0.80	0.71	1.05	1.12	0.92	+ 3	−25	−48	+27	+29	−41	+ 1	−13	+27	−42	0	−0.40
79464	16 12 56.94	−36 06 22.5	8.63	H	243.237 246 07	−36.106 250 10		3.88	−19.87	1.22	1.10	0.86	1.27	1.43	1.25	−37	−17	+ 0	+ 8	−14	−27	− 5	+41	+18	−60	0	1.09
79465	16 12 57.76	+12 48 02.3	7.01	H	243.240 674 24	+12.800 636 48		7.26	5.49	26.93	0.84	0.64	0.98	1.01	0.98	−30	−48	+ 8	− 1	+ 1	+ 3	+ 9	+ 0	−17	−31	0	−0.67
79466	16 13 00.24	−54 11 37.1	8.99	H	243.250 997 67	−54.193 644 56		1.97	−0.83	−2.47	1.03	0.80	1.44	1.66	1.32	+15	+ 0	+ 0	− 1	+ 7	−35	− 2	+26	−39	+53	4	2.73
79467	16 13 01.49	+36 38 12.0	9.59	H	243.256 218 31	+36.636 674 06		4.65	0.69	14.76	0.90	0.78	1.05	1.02	1.04	+26	+ 7	− 1	−23	−11	− 8	−10	− 3	+ 7	+15	0	−1.32
79468	16 13 02.22	−64 32 52.9	8.40	H	243.259 267 94	−64.548 020 83		0.06	−5.67	−14.77	0.74	0.85	1.13	0.98	1.09	−10	+13	− 8	+20	+ 2	−15	+ 1	+48	+ 2	− 9	1	−0.37
79469	16 13 04.09	+38 20 27.9	10.62	H	243.267 048 50	+38.341 093 47		−0.43	−2.61	7.82	1.14	1.18	1.66	1.21	1.39	− 1	−16	− 6	−15	+ 2	+11	− 3	−18	+37	− 1	0	2.01
79470	16 13 06.17	−48 45 20.1	8.03	H	243.275 702 04	−48.755 580 55		6.30	−10.08	−12.47	0.85	0.62	1.00	1.13	0.87	− 3	−20	− 2	+20	+ 2	+12	+ 2	+48	− 6	− 2	0	0.82
79471	16 13 06.91	+62 10 23.6	9.81	H	243.278 781 22	+62.173 216 88		1.78	−5.07	6.85	0.93	0.86	0.98	0.80	0.85	+ 2	− 1	+ 7	−52	−12	−12	− 4	−12	− 1	−21	0	−1.22
79472	16 13 07.98	+21 33 58.1	6.69	H	243.283 262 86	+21.566 147 88		11.21	−46.36	17.55	0.55	0.53	0.83	0.64	0.73	+14	−26	+ 3	−17	−16	+15	−15	+ 3	− 4	+ 9	1	−0.85
79473	16 13 09.52	−29 38 50.0	8.90	H	243.289 656 90	−29.647 235 74		2.70	−8.69	−9.32	1.12	0.79	1.30	1.46	1.08	−32	−19	+ 3	+20	− 5	+ 7	− 8	+53	− 7	−20	1	1.70
79474	16 13 10.27	−50 45 09.3	9.21	H	243.292 809 58	−50.752 580 52		3.36	−14.52	−12.60	1.56	0.96	1.68	1.91	1.28	+31	−28	−11	+44	+38	+ 4	+40	+50	− 8	+36	0	−0.62
79475	16 13 11.15	−15 07 00.9	7.32	1 H	243.296 439 30	−15.116 917 07		1.60	4.67	−19.72	0.98	0.69	1.05	1.06	0.83	− 8	−34	−12	+24	− 2	+19	+ 6	+34	−17	−20	0	0.74
79476	16 13 11.60	−22 29 06.4	8.83	2 H	243.298 321 27	−22.485 115 76		7.66	−8.81	−25.62	1.03	0.66	1.15	1.16	0.88	−21	−16	+10	+15	+12	+18	+15	+29	−22	−14	0	−1.85
79477	16 13 11.87	−49 53 04.7	6.83	H	243.299 448 39	−49.884 642 83		7.64	−24.09	−24.19	0.79	0.53	0.87	0.88	0.69	+19	−26	−22	+28	+12	+10	+24	+49	−20	− 5	0	0.45
79478	16 13 11.97	−45 48 40.8	8.53	H	243.299 889 36	−45.811 344 44		8.19	−22.10	−23.17	1.04	0.73	1.37	1.28	1.13	+ 7	−25	−24	+10	− 8	+20	− 0	+27	−24	− 5	0	−0.07
79479	16 13 12.30	−34 18 24.8	7.39	2 H	243.301 263 53	−34.306 878 53		2.72	−8.82	−1.84	0.83	0.66	0.99	0.94	0.78	−29	− 6	−24	+14	−17	+10	−18	+50	−31	−21	0	0.34
79480	16 13 12.94	+38 04 20.5	7.08	G	243.303 911 06	+38.072 354 77		13.55	−20.04	24.44	0.48	0.53	0.66	0.58	0.66	− 2	+ 6	−17	−17	+ 4	− 6	+ 5	−12	+25	− 6	0	1.43
79481	16 13 13.01	+55 43 55.8	9.88	G	243.304 211 18	+55.732 163 13		−0.21	2.12	−4.26	0.86	0.88	0.95	1.03	1.08	+15	−17	− 8	+18	+ 6	+25	+ 7	+31	+ 6	+18	0	0.49
79482	16 13 13.42	−36 00 43.8	10.48	H	243.305 927 74	−36.012 171 57		19.35	−93.64	−62.28	1.75	1.30	2.01	2.08	1.69	−30	−26	−16	+ 1	+ 2	−18	+ 4	+30	+ 2	−46	0	−0.43
79483	16 13 13.64	+27 04 19.8	7.99	H	243.306 818 60	+27.072 171 45		3.48	−23.13	0.34	0.49	0.61	0.89	0.63	0.76	+11	−13	+ 3	−17	+16	+ 3	+10	+ 0	+ 6	+35	0	−0.48
79484	16 13 13.88	−15 12 01.2	10.39	H	243.307 817 61	−15.200 327 43		−3.01	−14.53	−6.21	1.92	1.37	2.06	2.21	1.71	− 8	−23	− 6	+25	+ 6	+25	+ 6	+23	+26	−19	−21	0	−1.29
79485	16 13 14.22	+53 42 54.3	10.24	H	243.309 229 62	+53.715 075 24		3.54	−9.94	7.88	0.98	1.01	1.12	1.15	1.28	+14	−12	−28	− 9	+ 1	+12	+ 3	− 1	+13	+11	0	−1.56
79486	16 13 14.71	−01 24 06.9	7.70	H	243.311 276 12	−01.401 911 22		9.89	−49.15	−71.23	0.97	0.67	1.03	1.10	1.02	−32	−32	− 7	+33	−20	+ 6	−14	+40	− 5	−44	0	−1.50
79487	16 13 14.77	−44 04 25.1	7.52	H	243.311 538 09	−44.073 631 88		13.96	28.43	−3.88	0.78	0.60	1.07	0.80	0.79	− 5	−44	−32	− 4	−11	+ 3	+ 5	+30	−17	−47	0	1.08
79488	16 13 15.41	+05 01 16.0	5.46	H	243.314 200 74	+05.021 098 90		7.68	36.31	−5.11	0.66	0.53	0.82	0.84	0.83	−51	− 3	−20	+13	−16	+15	−13	+17	−27	−47	2	1.37
79489	16 13 15.95	+82 37 54.5	7.73	H	243.316 442 29	+82.631 807 94		4.59	−23.18	37.40	0.53	0.53	0.64	0.55	0.73	+20	−29	−23	− 9	+13	+ 0	+14	−21	+11	+ 9	0	−0.47
79490	16 13 16.97	−53 40 16.2	6.03	2 H	243.320 723 80	−53.671 163 78		0.66	−3.95	−3.14	0.70	0.52	0.89	1.11	0.84	+11	+ 0	− 8	−16	+ 2	−27	−12	+25	−28	+46	0	0.19
79491	16 13 17.94	+66 36 53.5	8.19	H	243.324 758 40	+66.614 858 80		16.38	−14.15	−97.70	0.61	0.66	0.66	0.61	0.74	+ 4	−17	−13	−18	+ 6	−11	+ 7	−23	− 7	+15	0	1.44
79492 H	16 13 18.34	+13 31 40.5	6.68	G	243.326 426 84	+13.527 928 67	A	41.05	183.41	−418.70	1.64	1.28	1.58	1.44	1.26	−14	−37	− 2	+31	−13	− 7	−22	+40	+ 8	+12	3	−0.19
79493	16 13 18.74	+06 02 15.6	7.75	H	243.328 082 77	+06.037 673 57		6.82	−3.67	−10.05	0.89	0.81	1.08	1.23	1.30	−55	+ 9	−30	+17	− 5	+ 3	− 3	+ 5	−12	−57	0	1.43
79494	16 13 19.18	−51 34 34.8	9.19	H	243.329 930 21	−51.576 328 44		3.27	1.48	−2.05	1.30	0.92	1.72	1.72	1.30	+24	−30	−30	+19	+21	−15	+23	+43	−33	+33	0	0.07
79495	16 13 19.81	−39 18 42.8	10.03	H	243.332 522 40	−39.311 878 99		9.63	33.26	25.89	1.28	0.88	1.53	1.40	1.19	+ 4	−14	−15	+ 0	−15	−14	−10	+32	−20	−16	0	1.37
79496	16 13 22.37	−32 07 48.2	7.88	G	243.343 192 84	−32.130 057 47		8.94	−41.96	−80.95	0.87	0.66	1.03	0.88	0.87	−34	−32	−11	+ 6	−18	+11	− 2	+39	−34	−46	2	−0.45
79497	16 13 22.80	−55 32 27.0	5.78	H	243.344 999 14	−55.540 845 56		14.13	−100.49	−41.91	0.54	0.48	0.69	0.60	0.56	− 3	−18	−20	+10	+ 3	− 7	+ 3	+23	− 8	− 4	2	1.21
79498	16 13 23.21	+31 13 45.6	8.97	H	243.346 713 90	+31.229 319 58		1.48	2.25	4.14	0.68	0.83	1.10	0.81	1.08	− 1	− 6	− 4	+ 9	+17	−10	+15	−16	−20	−15	1	0.04
79499 H	16 13 24.39	−56 24 52.2	7.90	G	243.351 623 46	−56.414 502 43

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55 56-7	58-61	62	63	64	65	66	67	68-70
79401	8.669	0.009	7.458	0.006		1.036	0.008	T	1.01	0.01	L	7.5135	0.0010	0.013	145		7.49	7.53				1							S
79402	8.084	0.006	8.152	0.007		−0.057	0.008	T	−0.04	0.01	L	8.1496	0.0011	0.016	262		8.12	8.18				1							S
79403	9.109	0.018	8.672	0.018		0.437	0.020	G	0.51	0.02	H	8.6858	0.0022	0.012	54		8.66	8.72		C		1							
79404	4.380	0.002	4.552	0.002		−0.172	0.064	G	−0.15	0.02	A	4.5279	0.0007	0.004	76		4.52	4.54		C		1							S
79405	10.925	0.067	10.108	0.051		0.721	0.064	T	0.77	0.04	L	10.1467	0.0042	0.025	57		10.10	10.20		C		1							G
79406	9.391	0.012	8.281	0.008		0.957	0.011	T	0.94	0.01	L	8.3346	0.0013	0.018	209		8.31	8.37				1							
79407	10.801	0.056	8.934	0.021		1.552	0.047	T	1.57	0.05	L	8.9209	0.0024	0.018	59		8.88	8.94				1							
79408	8.830	0.010	8.393	0.010		0.413	0.013	T	0.48	0.01	L	8.4440	0.0015	0.018	153		8.42	8.48				1	G						S
79409	10.618	0.033	8.822	0.014		1.495	0.028	T	1.52	0.04	L	8.6969	0.0029	0.026	109		8.65	8.74		U	2	1							
79410	7.813	0.012	7.650	0.017		0.149	0.020	T	0.16	0.02	L	7.6900	0.0013	0.010	41		7.68	7.71		C		1							S
79411	7.049	0.004	7.024	0.005		0.023	0.006	T	0.04	0.01	L	7.0380	0.0011	0.011	123		7.02	7.06		C		1							S
79412	11.241	0.052	10.336	0.038		0.804	0.048	T	0.83	0.03	L	10.3780	0.0040	0.047	146		10.31	10.49				1							
79413	9.274	0.010	8.022	0.006		1.068	0.009	T	1.03	0.01	L	8.0561	0.0012	0.016	220		8.03	8.08			16124+2626 I 1	1		S					
79414	7.486	0.006	6.322	0.004		0.993	0.002	G	0.97	0.00	H	6.3765	0.0008	0.007	121		6.36	6.39				1							S
79415	8.178	0.008	7.913	0.008		0.256	0.010	G	0.29	0.01	H	7.9585	0.0012	0.015	176		7.93	7.98				1							S
79416	10.679	0.054	8.718	0.021		1.626	0.046	T	1.65	0.05	L	8.6124	0.0024	0.017	47		8.59	8.63		C		1							
79417	10.149	0.029	9.769	0.033		0.360	0.041	T	0.42	0.04	L	9.7873	0.0026	0.021	90		9.75	9.84		C		1							
79418	10.309	0.032	9.201	0.021		0.955	0.030	T	0.94	0.02	L	9.2824	0.0024	0.018	94		9.25	9.31		C		1							
79419	11.423	0.115	9.965	0.046	A	1.210	0.015	G	1.35	0.03	I	*	9.8924	0.0038	0.022	70	*	9.85	9.93		D	16125−3806 I 1	2	C	A	AB	168	1.581	0.022	2.19	0.11	G
79420	8.026	0.009	6.499	0.006		1.283	0.009	T	1.24	0.01	L		6.5169	0.0009	0.008	110		6.50	6.53				1							S
79421	8.841	0.014	8.297	0.013		0.516	0.015	G	0.58	0.01	L	8.3521	0.0017	0.014	86		8.33	8.37		C		1							S
79422	9.895	0.018	8.789	0.012		0.954	0.017	T	0.94	0.01	L	8.9076	0.0021	0.024	169		8.87	8.95				1							
79423	11.118	0.049	10.617	0.050		0.471	0.063	T	0.54	0.07	L	10.7677	0.0029	0.032	117		10.70	10.82		C		1		S					G
79424	10.765	0.052	9.254	0.023		1.271	0.045	T	1.23	0.05	L	9.2443	0.0027	0.022	100		9.21	9.28				1							
79425	10.118	0.024	9.666	0.025		0.426	0.032	T	0.49	0.03	L	9.7263	0.0025	0.019	113		9.69	9.76		C		1							
79426	9.195	0.017	8.748	0.017	A	0.557	0.072	G	0.55	0.04	L	*	8.7214	0.0024	0.019	103	*	8.69	8.76			16126+5748 I 1	2	C	A	AB	56	5.729	0.015	2.71	0.06	S
79427	9.083	0.008	8.793	0.009		0.276	0.011	T	0.31	0.01	L		8.8714	0.0015	0.023	287		8.84	8.91				1		S					
79428	9.715	0.020	9.221	0.020		0.465	0.026	T	0.54	0.03	L		9.3048	0.0011	0.017	103		9.28	9.34		D		1		S					
79429	8.193	0.009	7.781	0.009		0.410	0.015	G	0.48	0.02	H		7.8292	0.0014	0.010	114		7.81	7.84				1							S
79430	8.761	0.016	8.220	0.015		0.483	0.015	G	0.55	0.02	H		8.3003	0.0019	0.011	70		8.28	8.31				1							
79431						1.486	0.011	G	1.99	0.06	I		11.3943	0.0065	0.037	49		11.34	11.45		C		1							G
79432						0.800	0.200	G	0.83	0.14	R		11.1819	0.0074	0.042	53		10.98	11.26				1							G
79433	8.863	0.013	7.674	0.009		1.018	0.012	T	0.99	0.01	L		7.7225	0.0014	0.012	117		7.70	7.74				1							S
79434	8.736	0.010	8.176	0.009		0.524	0.012	T	0.60	0.01	L		8.2333	0.0014	0.015	136		8.21	8.26				1							S
79435	8.045	0.006	8.130	0.008		−0.073	0.009	T	−0.05	0.01	L		8.1158	0.0015	0.018	185		8.09	8.15				1							S
79436	8.010	0.011	7.762	0.014	*	0.236	0.017	T	0.26	0.02	L	*	7.8499	0.0014	0.012	98	*	7.82	7.87		D	16127+4047 I 1	2	C	A	AB	240	5.747	0.008	2.59	0.04	S
79437	8.997	0.017	8.922	0.022		0.070	0.015	G	0.08	0.02	H		8.9159	0.0021	0.016	67		8.90	8.94		C		1							
79438	10.889	0.049	9.148	0.019		1.452	0.042	T	1.45	0.07	L		9.0817	0.0020	0.017	93		9.05	9.11				1	X						G
79439	7.772	0.011	7.613	0.015		0.145	0.018	T	0.16	0.02	L		7.6329	0.0013	0.009	40		7.62	7.65				1							S
79440						0.190	0.020	G	0.21	0.02	H	*	9.8303	0.0067	0.056	106	*	9.78	9.95		U	2	16127−5419 H 1	2	C	B	AB	324	3.165	0.044	1.83	0.18	D
79441	6.907	0.005	6.485	0.004	*	0.391	0.008	G	0.46	0.01	H	*	6.5470	0.0008	0.010	240	*	6.53	6.56		D		16128+2640 I 1	2	C	A	AB	150	2.335	0.014	3.40	0.05	S
79442	10.242	0.033	9.527	0.029		0.622	0.020	G	0.69	0.02	H		9.5690	0.0026	0.020	87		9.53	9.60		C		1							
79443	7.323	0.008	7.458	0.010		−0.117	0.011	T	−0.10	0.01	L		7.4453	0.0010	0.007	60		7.43	7.46				1							S
79444	9.717	0.024	8.305	0.013		1.110	0.015	G	1.07	0.02	H		8.3494	0.0017	0.013	66		8.32	8.37		C		1							
79445	10.494	0.027	9.336	0.016		0.994	0.024	T	0.97	0.02	L		9.3906	0.0022	0.024	182		9.35	9.44		C		1							
79446	10.287	0.022	8.438	0.009		1.570	0.020	T	2.21	0.05	O		8.2861	0.0028	0.029	156		8.25	8.33		U	2	1							
79447	11.059	0.066	10.435	0.062		0.581	0.079	T	0.65	0.07	L		10.4718	0.0034	0.023	54		10.43	10.51		C		1							G
79448	9.440	0.015	8.646	0.012	*	0.709	0.005	G	0.76	0.01	H	*	8.6959	0.0017	0.019	127	*	8.66	8.72		D	16128+3922 I 1	2	C	S	A	AS	325	0.162	0.010	0.74	0.38	S
79449	10.812	0.044	9.210	0.019		1.342	0.038	T	1.31	0.04	L		9.2044	0.0020	0.016	129		9.17	9.23				1							
79450	10.742	0.060	9.226	0.030		1.274	0.053	T	1.23	0.06	L		9.2702	0.0037	0.017	57		9.25	9.30				1	G						
79451	8.536	0.014	8.047	0.014		0.472	0.015	T	0.54	0.02	L		8.0872	0.0014	0.009	79		8.07	8.10				1							S
79452	8.932	0.012	7.611	0.008		1.122	0.011	T	1.08	0.01	L		7.6637	0.0012	0.013	139		7.64	7.69		C		1							S
79453	9.047	0.015	7.253	0.007		1.494	0.013	T	1.52	0.02	L		7.2070	0.0013	0.013	79		7.17	7.23				1							S
79454	10.223	0.037	9.716	0.036		0.487	0.039	T	0.56	0.04	L		9.7847	0.0024	0.015	62		9.75	9.81		C		1							G
79455	10.274	0.047	9.642	0.044		0.582	0.048	T	0.65	0.04	L		9.7740	0.0036	0.020	47		9.70	9.81		C		1							
79456						1.321	0.009	G	1.53	0.01	I		11.1363	0.0046	0.039	105		11.09	11.22		C		1							G
79457	11.379	0.072	10.749	0.068		0.586	0.086	T	0.66	0.08	L		10.8448	0.0046	0.038	110		10.79	10.93				1							G
79458	10.436	0.046	10.449	0.071		0.093	0.005	G	0.11	0.01	H		10.4251	0.0054	0.047	78		10.33	10.51				1		S					G
79459	10.302	0.042	9.535	0.035		0.683	0.042	T	0.74	0.04	L		9.6798	0.0024	0.021	80		9.64	9.72		C		1							
79460	10.292	0.074	9.614	0.063		0.700	0.015	G	0.76	0.01	H		9.5876	0.0031	0.015	46		9.55	9.60		C		1							
79461	9.576	0.019	9.031	0.018		0.517	0.020	T	0.59	0.02	L		9.0806	0.0014	0.016	101		9.05	9.12		D		1							
79462	10.196	0.031	9.394	0.024		0.710	0.030	T	0.76	0.03	L		9.4229	0.0026	0.021	104		9.39	9.46				1							
79463	6.414	0.006	6.268	0.006		0.133	0.008	T	0.15	0.01	L		6.3047	0.0008	0.006	49		6.29	6.32		C		1							S
79464	9.460	0.018	8.704	0.016		0.675	0.018	T	0.73	0.01	L		8.7668	0.0017	0.014	80		8.74	8.80		C		1							
79465	7.307	0.007	7.036	0.007		0.230	0.015	G	0.26	0.02	H		7.0830	0.0013	0.008	65		7.07	7.10		C		1							S
79466	9.170	0.059	9.041	0.075		0.180	0.015	G	0.20	0.02	H		9.0527	0.0019	0.019	100		9.02	9.08		C		1		S					D
79467	10.039	0.027	9.583	0.028		0.430	0.036	T	0.50	0.04	L		9.6868	0.0026	0.025	109		9.64	9.73		C		1							
79468	9.951	0.022	8.526	0.012		1.203	0.020	T	1.16	0.02	L		8.5677	0.0021	0.021	125		8.53	8.60				1							
79469	11.947	0.163	10.694	0.081		1.068	0.142	T	1.03	0.12	L		10.7849	0.0032	0.034	112		10.73	10.84		C		1							G
79470	8.214	0.008	8.058	0.009		0.165	0.015	G	0.18	0.01	H		8.0891	0.0016	0.012	110		8.07	8.12		C		1							
79471	11.260	0.061	9.930	0.031		1.129	0.054	T	1.09	0.06	L		9.9773	0.0041	0.027	106		9.94	10.05				1							
79472	6.896	0.004	6.706	0.004		0.182	0.005	T	0.20	0.01	L		6.7508	0.0009	0.011	140		6.74	6.77				1	G						S
79473	9.079	0.017	8.914	0.020		0.151	0.025	T	0.17	0.03	L		8.9523	0.0025	0.019	74		8.92	8.98				1							
79474	10.669	0.043	9.356	0.023		1.115	0.038	T	1.08	0.04	L		9.3792	0.0035	0.019	89		9.35	9.41				1							G
79475	9.606	0.025	7.568	0.010		1.688	0.021	T	1.71	0.02	L		7.4248	0.0019	0.015	60		7.41	7.46		M		1							S
79476	9.383	0.020	8.898	0.020		0.456	0.026	T	0.53	0.03	L		8.9320	0.0083	0.045	86		8.87	9.11		U	2	1							P
79477	7.005	0.005	6.841	0.005		0.150	0.007	T	0.17	0.01	L		6.8803	0.0007	0.008	103		6.87	6.90				1							S
79478	9.009	0.013	8.578	0.013		0.421	0.015	T	0.49	0.02	L		8.6249	0.0022	0.015	95		8.60	8.65		C		1	G						
79479	9.727	0.022	7.627	0.008		1.795	0.115	G	2.32	0.02	A		7.4338	0.0041	0.032	80		7.38	7.49		U	2	1		S					S	P
79480	7.474	0.008	7.117	0.007		0.363	0.015	G	0.42	0.02	H		7.1654	0.0012	0.010	126		7.15	7.19				1							S
79481	9.703	0.019	9.759	0.028		−0.122	0.011	G	−0.11	0.01	H		9.8406	0.0021	0.020	107		9.80	9.87		C		1							
79482	11.939	0.146	10.580	0.073		1.155	0.015	G	1.12	0.01	H		10.6131	0.0044	0.030	78		10.54	10.68		C		1							G
79483	9.568	0.013	8.124	0.007		1.218	0.012	T	1.18	0.01	L		8.1572	0.0011	0.015	221		8.13	8.18				1							
79484	11.914	0.158	10.595	0.078		1.153	0.129	T	1.15	0.13	L		10.5440	0.0042	0.027	63		10.48	10.61		C		1							G
79485	10.760	0.044	10.243	0.043		0.486	0.056	T	0.56	0.06	L		10.3497	0.0029	0.023	103		10.31	10.39		C		1							
79486	8.321	0.015	7.773	0.012		0.551	0.015	G	0.62	0.01	H		7.8224	0.0012	0.009	69		7.81	7.85		C		1							S
79487	7.892	0.008	7.548	0.008		0.326	0.011	T	0.38	0.01	L		7.5960	0.0013	0.011	88		7.58	7.61		C		1							S
79488	7.392	0.007	5.628	0.004		1.472	0.002	G	1.44	0.01	L		5.5998	0.0010	0.007	91		5.59	5.62				1							S
79489	7.962	0.008	7.752	0.009		0.201	0.011	T	0.22	0.01	L		7.7902	0.0011	0.013	123		7.77	7.81		C		1							S
79490	8.538	0.012	6.209	0.004		1.965	0.010	T	2.60	0.03	O		6.0404	0.0052	0.062	88		5.94	6.11		U	2 C	1		S					S
79491	8.969	0.012	8.254	0.010		0.664	0.015	G	0.73	0.01	H		8.3324	0.0014	0.014	117		8.31	8.36		C		1							S
79492	8.261	0.012	7.398	0.011	A	0.764	0.001	G	0.80	0.00	H	*	6.7991	0.0007	0.008	95	*	6.79	6.81		D	16134+1331 I 1	2	C	A	AB	352	4.139	0.003	0.08	0.01	S
79493	8.026	0.009	7.779	0.010		0.254	0.015	G	0.29	0.02	H		7.8186	0.0011	0.011	84		7.80	7.85				1							S
79494	11.322	0.085	9.320	0.023		1.659	0.070	T	1.68	0.07	L		9.3062	0.0035	0.027	90		9.27	9.34			16133−5135 I 1	1		S					
79495	10.933	0.054	10.007	0.038		0.805	0.051	T	0.83	0.04	L		10.1706	0.0032	0.025	103		10.13	10.22				1							G
79496	8.319	0.011	7.910	0.011		0.415	0.015	G	0.48	0.02	H		7.9746	0.0014	0.012	77		7.95	7.99		C		1							S
79497	6.214	0.003	5.828	0.003		0.365	0.004	T	0.43	0.00	L		5.8685	0.0007	0.006	100		5.86	5.88		C		1							S
79498	10.524	0.032	9.114	0.016		1.191	0.028	T	1.15	0.03	L		9.1382	0.0018	0.022	163		9.10	9.18		C		1							
79499	8.673	0.013	8.133	0.013	A	0.559	0.015	G	0.63	0.01	H	*	8.0228	0.0018	0.013	115	*	8.00	8.04		D	16134−5625 I 1	2	C	A	AB	128	2.792	0.008	1.73	0.04	S
79500	9.855	0.029	9.249	0.027		0.591	0.015	G	0.66	0.01	H		9.3098	0.0040	0.024	63		9.27	9.34				1							

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg		Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%) δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	Soln F1 %	F2
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
79501	16 13 25.31	+35 11 56.5	7.49	H	243.355 464 24	+35.199 027 91		4.33	−5.95	−42.50	0.53	0.57	0.71	0.63	0.67	+16	− 8	−10	− 6	− 7	− 6	− 6	+ 5	− 3	+ 7	0	0.02
79502	16 13 25.34	−64 17 09.0	8.27	H	243.355 597 53	−64.285 831 99	A	4.52	−27.64	−27.16	1.10	1.35	1.54	1.33	1.63	−26	− 8	−14	+11	−16	−11	−11	+58	−13	−34	2	1.03
79503	16 13 25.63	−04 03 05.6	6.96	H	243.356 783 57	−04.051 544 81		11.95	−45.75	−12.45	0.88	0.76	1.08	1.22	0.99	−11	−22	−36	+18	+31	−37	+13	−17	+16	−42	0	0.03
79504	16 13 25.95	+11 25 04.9	8.26	H	243.358 112 92	+11.418 035 70		5.52	−11.73	−12.37	1.03	0.81	1.37	1.76	1.39	−37	−17	+20	−13	− 8	−31	− 5	− 1	−25	+ 0	0	1.39
79505	16 13 26.28	+30 27 31.6	9.29	H	243.359 491 91	+30.458 781 07		1.96	3.73	5.37	0.70	0.87	1.19	0.75	1.16	+ 6	− 9	− 8	+15	+ 9	+ 0	+11	+11	−15	−12	0	−2.12
79506	16 13 27.64	+39 49 27.8	7.14	H	243.365 176 92	+39.824 387 69		4.06	−0.04	15.08	0.49	0.54	0.66	0.57	0.65	− 4	+ 1	−14	−13	− 6	− 3	− 4	− 6	+16	−24	1	−1.41
79507	16 13 28.02	−64 59 08.3	7.46	H	243.366 736 62	−64.985 631 42		6.58	−15.51	−11.03	0.51	0.53	0.84	0.60	0.67	−11	+11	− 7	−46	− 5	−15	+ 2	+16	+ 3	−25	0	−0.24
79508	16 13 28.30	−33 35 18.7	9.27	H	243.367 919 94	−33.588 529 82		5.91	10.38	19.23	1.19	0.78	1.40	1.43	1.00	−14	−31	− 5	+12	+ 8	+18	+14	+33	−29	− 4	2	1.28
*79509	16 13 28.73	−54 37 49.5	4.95	H	243.369 726 31	−54.630 412 89		7.45	−5.33	−22.48	0.59	0.45	0.78	0.69	0.60	+ 1	− 8	− 3	−16	− 9	−33	−11	+15	−28	+15	0	0.89
*79510	16 13 28.67	+25 14 28.9	9.85	H	243.369 473 16	+25.241 359 38		6.72	−26.86	9.29	0.86	1.02	1.60	1.13	1.32	+ 6	+ 8	−12	+ 3	− 9	+ 6	− 9	+ 3	−14	+12	0	0.98
79511 H	16 13 29.15	+32 01 52.5	9.47	H	243.371 464 04	+32.031 244 33	A	2.73	0.12	9.92	2.44	2.15	1.98	1.45	2.16	−25	− 4	+ 5	+11	+ 7	− 5	+ 9	+17	− 3	−14	0	0.13
79512	16 13 29.76	+44 27 55.5	9.62	H	243.373 979 19	+44.465 418 40		34.38	−109.43	389.56	0.88	0.84	1.02	0.91	0.89	+ 3	+13	+ 2	− 3	+ 8	+ 4	+ 8	+ 1	− 6	− 7	0	1.29
79513 H	16 13 30.18	−51 37 02.8	8.67	H	243.375 732 27	−51.617 456 12	A	2.40	−0.58	0.67	2.11	1.55	2.42	2.49	1.98	+21	−18	−24	+29	+26	− 9	+28	+51	−34	+32	3	1.35
79514 H	16 13 33.13	+71 47 02.6	8.61	H	243.388 029 40	+71.784 064 37	A	2.15	−9.37	10.17	1.58	2.20	1.73	1.67	2.52	− 2	− 5	− 5	−32	+ 3	−34	− 1	+12	+ 3	+ 6	1	1.33
79515 H	16 13 33.56	+59 33 15.1	9.09	G	243.389 848 19	+59.554 190 39	*	1.40	−0.10	1.32	0.77	0.78	0.84	0.83	0.92	− 3	−20	− 6	− 1	− 9	+15	− 9	− 8	+ 2	− 6	0	−2.24
79516	16 13 34.35	−45 49 03.4	8.91	H	243.393 125 81	−45.817 614 02		7.90	−19.55	−32.09	1.07	0.83	1.31	1.27	1.08	− 6	−15	−24	+17	−15	+ 7	−14	+48	−17	− 6	0	0.07
79517	16 13 34.47	+84 33 06.9	8.56	H	243.393 643 39	+84.551 906 39		4.39	7.09	15.72	0.63	0.71	0.76	0.69	0.93	+15	−34	−27	+10	+10	− 3	+12	+11	− 4	+ 5	0	−0.21
79518	16 13 36.46	+35 33 02.8	8.63	H	243.401 925 71	+35.550 783 81		1.28	−0.62	−17.36	0.69	0.69	0.89	0.87	0.90	+14	− 1	+ 4	+ 6	+ 9	+ 2	+ 9	+ 4	− 8	+18	0	−0.43
79519	16 13 37.77	−13 02 06.1	8.06	H	243.407 360 78	−13.035 036 18		6.65	16.86	−8.04	1.06	0.83	1.39	1.59	1.40	−19	−25	−22	+22	−10	−43	−26	+20	+47	−56	0	−1.29
79520	16 13 38.27	−29 03 24.6	7.54	H	243.409 467 70	−29.056 824 46		10.93	−70.30	−30.41	1.14	0.69	1.08	1.33	0.83	+ 2	−37	−11	+11	+36	+ 1	+34	+25	− 9	+ 0	0	0.91
79521	16 13 38.59	+82 05 16.6	8.65	H	243.410 806 95	+82.087 949 03		3.29	−4.72	8.42	0.59	0.64	0.73	0.65	0.89	+23	−23	−21	+ 7	+ 8	+10	+11	−17	+10	+19	0	0.91
79522	16 13 38.63	−01 28 30.5	6.45	H	243.410 945 85	−01.475 140 27		10.05	−52.21	3.07	0.91	0.69	0.97	0.96	0.95	−34	−48	+ 6	+37	−23	−11	−28	+42	+20	−47	0	−0.13
79523	16 13 39.24	−53 54 47.1	9.62	H	243.413 510 15	−53.913 090 73		−1.22	1.26	0.30	1.25	0.94	1.71	2.00	1.54	+16	−16	−16	−11	+ 9	−33	− 4	+25	−33	+52	0	1.88
79524	16 13 40.42	−21 23 59.9	6.68	H	243.418 416 94	−21.399 980 62		25.58	−122.15	8.52	0.82	0.58	0.85	1.01	0.73	− 5	−22	− 2	+23	+ 1	− 1	+ 5	+26	−17	+11	0	0.21
79525	16 13 41.71	−59 09 05.0	8.62	H	243.423 780 21	−59.151 388 84		2.37	−26.38	−23.71	0.88	0.84	1.22	1.13	0.95	+20	− 9	−36	+46	+43	−26	+38	+42	− 9	+19	0	−0.10
79526 H	16 13 43.70	+46 38 22.7	8.32	H	243.432 098 55	+46.639 634 76	A	11.89	−100.14	42.10	1.36	1.50	1.18	1.17	1.19	+22	− 3	+ 0	+33	+16	+14	+18	+18	− 5	+20	0	0.61
79527	16 13 43.78	−09 12 10.5	7.57	H	243.432 424 33	−09.202 909 17		−0.17	−18.58	−15.20	1.28	0.88	1.42	1.20	1.00	−33	−60	+36	+20	+ 7	+16	−11	+49	+19	− 6	0	3.27
79528	16 13 43.94	−06 13 45.6	9.38	H	243.433 095 44	−06.229 339 73		4.54	−9.09	−14.00	1.23	0.95	1.38	1.38	1.21	−13	−29	−24	+26	− 3	+ 5	+ 0	+24	+ 1	−35	0	−0.52
79529	16 13 45.46	−08 07 04.8	6.84	H	243.439 413 17	−08.117 990 40		5.87	−42.23	−8.72	0.99	0.75	0.96	1.07	0.91	− 5	−38	− 8	+46	− 6	+12	+ 1	+61	−11	−13	0	−1.67
79530 H	16 13 45.50	−24 25 19.4	6.40	1 G	243.439 600 40	−24.422 045 74	A	7.20	−9.97	−19.22	0.93	0.59	0.95	0.93	0.72	−10	− 8	−14	+14	+20	+ 2	+23	+27	−34	+ 3	2	0.02
79531	16 13 46.20	−07 38 24.9	10.88	G	243.442 505 69	−07.640 242 08	B	16.42	−5.30	−9.43	29.96	22.42	15.48	18.96	15.36	+ 0	−30	−32	+17	+11	−10	+ 7	+14	+ 7	−20	0	1.66
79532	16 13 46.32	−07 38 44.4	9.25	G	243.443 008 00	−07.645 659 74	A	1.85	−7.90	−9.83	3.45	2.49	2.83	3.52	2.75	+ 8	−33	−32	+29	+ 3	+ 0	+ 3	+35	+ 2	−10	0	1.66
79533 H	16 13 47.84	+28 43 55.9	7.72	H	243.449 323 98	+28.732 200 29	A	6.09	−26.55	−1.35	0.79	0.98	1.21	0.75	1.09	+10	−12	− 1	+ 8	+19	− 2	+24	+ 3	−18	− 2	1	1.16
79534	16 13 48.15	−24 15 19.8	8.35	H	243.450 626 60	−24.255 488 03		5.16	−3.18	−6.86	0.91	0.60	1.06	1.02	0.84	−29	−15	−14	+ 7	−10	+ 8	− 4	+41	−29	−30	0	−0.18
79535	16 13 48.66	−66 03 46.1	9.17	H	243.452 749 20	−66.062 809 23		2.22	−6.74	−10.50	0.79	0.73	1.23	0.97	0.99	+ 6	−11	− 2	−44	+ 2	− 1	+17	+24	+ 5	−19	0	0.32
79536	16 13 49.14	+06 40 56.3	9.60	H	243.454 735 46	+06.682 299 46		3.82	9.13	−8.91	1.37	1.12	1.80	1.73	1.60	−27	−34	−12	+26	− 4	+ 0	+ 3	+13	−14	−24	0	−0.47
79537	16 13 49.49	−57 34 01.5	7.53	G	243.456 197 59	−57.567 081 17		72.75	−853.99	−1410.79	0.65	0.60	0.82	0.76	0.72	+ 8	−12	− 8	+48	+26	− 9	+30	+59	− 9	− 4	0	1.06
79538	16 13 50.29	+30 03 36.6	9.12	H	243.459 562 02	+30.060 168 39		6.96	25.13	−27.60	0.65	0.80	1.12	0.75	1.12	+12	− 2	− 4	+22	+ 5	+ 9	+ 6	+22	−22	− 6	0	−0.57
79539	16 13 50.51	+06 59 38.1	7.41	H	243.460 445 97	+06.993 909 85		4.47	0.30	2.93	0.77	0.61	0.93	0.96	0.88	−34	−31	− 3	+26	− 9	+12	− 3	+22	−11	−31	0	−1.67
79540	16 13 50.91	−11 50 15.8	5.24	H	243.462 118 79	−11.837 722 19		7.43	−5.96	−10.11	0.82	0.59	0.91	0.95	0.78	−16	−35	+ 3	− 7	− 8	−26	− 8	+10	+ 7	−25	0	0.40
79541	16 13 51.00	−30 12 43.5	7.60	H	243.462 502 19	−30.212 093 45		5.71	−3.75	−37.39	0.87	0.60	0.99	1.07	0.81	−29	−29	− 4	+22	− 3	+17	+ 3	+44	−19	−23	0	1.09
79542	16 13 51.47	+40 20 56.6	7.98	H	243.464 440 26	+40.349 051 09		6.58	−27.06	−99.55	0.61	0.61	0.82	0.88	0.72	− 4	− 7	−24	+12	−10	+14	−10	−15	+20	−14	0	1.13
79543	16 13 52.34	+16 26 03.4	7.74	2 H	243.468 101 71	+16.434 282 02		0.06	−11.02	11.54	0.96	0.73	1.06	1.04	0.95	+ 9	−34	+ 2	+57	+ 8	+ 2	+ 7	+47	+ 2	+18	0	−0.14
79544	16 13 53.86	+18 29 08.5	8.24	H	243.474 407 92	+18.485 693 45		1.84	−13.54	−5.88	0.82	0.83	1.06	1.02	1.06	−13	−27	− 7	+39	−10	+16	−11	+50	+ 5	+ 1	0	1.23
79545	16 13 53.89	−06 54 30.6	8.25	G	243.474 556 23	−06.908 491 23		14.60	56.75	−51.81	1.07	0.76	1.08	1.36	0.99	− 2	−18	−11	+38	+ 6	+17	+ 8	+30	+ 4	− 2	3	1.09
79546	16 13 54.29	−26 17 24.8	8.90	H	243.476 193 80	−26.290 218 45		11.47	30.42	−56.62	1.03	0.67	1.17	1.16	0.94	−25	−32	+ 2	+10	+13	+12	+24	+19	−34	−19	2	−1.11
79547	16 13 55.18	+46 52 34.5	8.94	H	243.479 900 55	+46.876 237 10		2.58	8.78	−15.29	0.65	0.68	0.75	0.82	0.83	+16	− 7	− 9	+ 8	+20	− 8	+19	+15	+ 1	+11	0	−0.30
79548	16 13 55.52	+47 35 44.4	8.22	H	243.481 324 09	+47.595 679 12		5.90	−13.68	14.44	0.71	0.63	0.76	0.94	0.76	+ 9	+ 7	+ 1	+ 9	+16	−17	+15	+15	−10	+ 0	0	−0.37
79549	16 13 55.62	−67 04 30.9	7.83	H	243.481 761 52	−67.075 245 99		4.19	13.46	15.41	0.57	0.65	0.94	0.61	0.78	+ 0	−27	− 7	−18	+ 7	− 2	+10	+29	+ 8	−13	0	−0.18
79550	16 13 55.75	−63 03 28.1	8.10	H	243.482 289 69	−63.057 806 65		2.19	1.33	−8.89	0.65	0.70	0.95	0.77	0.90	−20	−17	− 7	+14	−26	− 5	−18	+46	−24	−28	0	1.84
79551	16 13 56.45	+33 46 25.0	12.23	2 H	243.485 222 52	+33.773 619 84		43.82	−263.04	−82.85	3.84	4.62	5.69	4.53	5.80	+10	− 8	−11	− 4	+ 1	+ 6	+ 5	+10	−12	− 8	0	
79552 H	16 13 58.13	−28 15 09.4	7.95	G	243.492 199 69	−28.252 599 52	*	6.88	−16.09	−16.25	1.16	2.01	1.24	1.13	0.90	+18	−43	−24	−14	− 2	+ 8	+22	+17	−33	−26	1	−0.25
79553	16 13 59.11	−68 32 36.7	8.86	H	243.496 299 25	−68.543 525 97		1.48	−5.54	−10.12	0.57	0.94	1.22	0.71	1.17	+21	−13	− 2	+23	− 1	−16	− 4	+37	+11	+26	0	0.85
79554	16 14 00.26	+13 18 09.9	8.94	H	243.501 075 44	+13.302 761 89		1.90	−27.75	2.50	1.04	0.78	1.25	1.29	1.03	−26	−30	− 5	+41	−32	+ 9	−33	+51	+ 2	− 3	0	0.47
79555	16 14 01.45	−58 52 10.6	8.65	H	243.506 060 33	−58.869 617 43		2.73	−29.84	−31.40	0.85	0.80	1.16	1.09	0.96	+20	−17	−20	+45	+39	−27	+35	+40	− 2	+22	0	1.08
79556	16 14 01.86	−72 19 38.2	8.38	H	243.507 749 02	−72.327 272 78		10.10	−12.36	−41.98	0.59	0.72	0.97	0.65	0.88	+23	−10	+ 6	+ 5	+ 7	+ 3	+ 6	+12	+ 0	+26	1	1.60
79557	16 14 02.05	−23 46 26.6	7.89	H	243.508 535 13	−23.774 057 36		1.71	25.42	−6.58	0.94	0.60	1.29	1.11	0.98	−38	− 7	−27	+ 4	− 3	+ 7	+ 1	+48	−54	−28	0	−1.07
79558	16 14 02.31	−08 47 22.2	9.38	G	243.509 635 22	−08.789 507 25		4.40	−21.63	5.80	1.69	1.49	1.69	2.33	1.90	−46	− 7	−23	+47	−47	+43	−43	+74	−19	−42	0	−0.73
79559	16 14 02.86	−55 44 46.7	8.29	H	243.511 897 53	−55.746 295 30		11.09	8.22	−41.97	0.86	0.69	1.07	0.95	0.83	+16	−28	−23	+11	+ 4	− 2	+ 3	+34	− 5	+15	2	0.64
79560	16 14 03.02	−16 24 03.8	8.70	G	243.512 566 02	−16.401 043 64		6.74	−52.76	4.33	1.30	0.95	1.46	1.38	1.13	−20	−43	−26	+20	−32	+11	−18	+50	−23	−34	0	2.04
79561	16 14 03.95	−11 44 15.2	9.13	H	243.516 459 85	−11.737 563 30		5.93	1.63	−4.20	1.31	1.03	1.52	1.55	1.47	−25	−19	−21	+ 7	−23	− 3	−15	+40	−28	−40	0	−0.28
79562	16 14 04.62	−02 20 19.6	8.43	G	243.519 268 26	−02.338 789 06		6.09	4.35	10.80	1.25	0.92	1.32	1.77	1.34	−18	− 2	−31	+19	+ 3	+ 7	+ 4	+ 1	+19	−28	0	−0.52
79563	16 14 05.07	+04 01 39.0	7.97	H	243.521 127 84	+04.027 494 68		3.63	13.30	−12.55	0.89	0.73	1.16	1.30	1.27	−62	+ 0	+ 3	+19	−16	+12	−16	+13	−31	−51	0	0.15
79564	16 14 05.44	−58 02 20.7	7.04	H	243.522 682 71	−58.039 097 06		4.11	14.02	21.69	0.60	0.57	0.84	0.71	0.68	+ 6	−15	−20	+33	+33	−19	+32	+41	− 5	+ 3	0	0.01
79565	16 14 05.78	−18 11 49.8	8.77	H	243.524 080 97	−18.197 172 01		2.97	−15.44	−4.64	1.17	0.96	1.33	1.46	1.17	−17	−24	−26	+ 8	+11	− 8	+ 6	+13	+13	−32	0	1.91
79566	16 14 06.29	+01 31 35.2	9.09	H	243.526 225 16	+01.526 457 74		2.26	−5.73	11.21	1.43	0.82	1.30	1.65	1.30	−45	−17	− 2	+10	+28	− 6	+46	−26	− 8	−19	0	0.23
79567	16 14 06.51	−04 09 30.5	7.40	H	243.527 107 87	−04.158 461 46		5.59	−28.43	−7.03	1.03	0.84	1.16	1.36	1.02	+29	−26	−51	+45	+47	−39	+21	− 3	+24	−15	0	0.17
79568	16 14 06.55	+09 32 27.1	8.45	H	243.527 300 21	+09.540 872 14		8.80	9.24	−2.98	1.04	0.89	1.33	1.35	1.36	−36	−21	−11	+42	−18	+14	− 9	+31	−25	−40	0	−0.96
79569	16 14 07.55	−60 08 28.0	8.16	G	243.531 455 60	−60.141 103 88		13.42	−71.19	−94.53	0.72	0.71	1.10	0.76	0.84	− 8	−40	−16	+30	− 7	−19	+ 1	+46	−18	−25	0	−0.51
79570	16 14 07.60	−45 52 29.2	8.51	H	243.531 673 25	−45.874 783 61		2.93	−17.44	−24.09	0.93	0.69	1.15	1.11	0.91	−17	−14	−16	+22	− 8	− 4	− 6	+40	−28	− 8	0	−0.06
79571	16 14 07.80	−48 55 57.9	6.75	H	243.532 495 51	−48.932 751 88		5.43	7.76	−8.64	0.74	0.54	0.90	0.80	0.66	+21	−29	−31	+ 8	+ 6	+11	+19	+40	−19	− 1	0	1.27
79572	16 14 08.69	−66 08 26.9	8.45	H	243.536 212 83	−66.140 802 21		3.26	−3.74	−8.82	0.61	0.67	1.11	0.73	0.82	+ 5	+12	− 1	−25	+ 4	−18	+14	+23	+22	−14	0	1.53
79573	16 14 09.02	−64 07 01.2	8.14	H	243.537 588 22	−64.116 997 53		3.82	−15.55	−18.09	0.62	0.77	0.97	0.78	0.97	−19	− 8	− 2	+15	+ 0	−18	− 1	+51	− 7	−13	2	0.12
79574	16 14 09.14	+50 04 32.8	8.80	H	243.538 076 25	+50.075 783 63		4.27	−11.13	−19.50	0.67	0.67	0.76	0.73	0.78	+ 2	− 9	−13	+ 9	+ 1	+10	+ 2	+ 9	− 2	−14	0	−1.17
79575	16 14 09.58	−59 33 29.5	8.22	H	243.539 912 09	−59.558 183 51		0.57	−4.15	−6.76	0.73	0.70	1.02	0.89	0.90	−12	− 9	−14	+40	− 3	− 6	+ 0	+49	−14	−30	0	−2.13
79576	16 14 09.91	−50 47 01.7	8.65	G	243.541 311 95	−50.783 805 59		26.04	17.43	−440.06	1.26	0.76	1.34	1.56	1.06	+26	−29	− 7	+47	+28	− 4	+33	+46	−18	+30	0	0.60
79577 H	16 14 11.46	−66 40 46.0	9.41	H	243.547 764 59	−66.679 443 72	*	3.92	−6.42	−9.01	0.94	1.10	1.46	1.04	1.35	+ 0	−16	− 2	−11	+15	− 5	+18	+48	− 6	− 2	3	2.57
79578	16 14 11.99	−31 39 46.9	6.55	G	243.549 942 28	−31.663 036 91		45.73	−81.41	−252.61	0.79	0.79	0.95	0.89	1.04	−59	− 3	−42	+32	−59	+36	−40	+74	−56	−75	0	2.17
79579	16 14 12.28	−17 25 03.2	9.32	H	243.551 170 24	−17.417 550 00		7.95	16.82	16.27	1.42	1.09	1.53	1.68	1.35	−24	+ 0	−27	+42	−15	+ 5	−12	+45	+15	−32	0	1.31
79580	16 14 13.27	−18 50 11.4	8.67	H	243.555 292 74	−18.836 499 99		9.23	72.26	−121.57	1.31	0.95	1.48	1.51	1.10	+ 0	−39	−29	− 3	− 5	+ 0	+ 2	+21	−18	−10	0	1.87
79581	16 14 13.58	+05 54 06.8	6.30	G	243.556 588 59	+05.901 897 36		9.75	43.64	−21.04	0.67	0.54	0.81	0.81	0.77	−45	−18	+ 0	+16	− 8	+ 3	− 3	+ 8	−20	−35	0	−0.06
79582	16 14 14.88	+57 30 48.2	8.75	H	243.561 987 84	+57.513 395 56		2.57	−21.56	18.20	0.76	0.67	0.77	0.87	0.77	+12	− 8	− 4	+ 3	− 2	+ 7	+ 0	+ 9	−14	+ 6	0	0.07
79583	16 14 14.98	−03 04 55.8	9.16	G	243.562 397 13	−03.082 177 42		1.60	−9.70	4.73	1.27	1.07	1.60	1.73	1.43	+14	−36	−54	+ 2	+11	−15	− 8	−20	+34	−30	0	−0.09
79584	16 14 15.87	−14 09 38.6	9.03	H	243.566 117 28	−14.160 729 68		4.91	−20.80	−3.55	1.25	0.87	1.41	1.48	1.21	+ 6	−39	−26	+28	+ 7	− 8	− 3	+23	+24	−27	0	2.85
79585	16 14 16.07	−03 28 24.1	7.97	H	243.566 940 29	−03.473 371 24		16.89	−6.79	−92.21	1.01	0.96	1.41	1.45	1.17	+ 5	−29	−62	+ 6	+14	−26	− 8	−12	+20	−37	0	−0.47
79586	16 14 16.16	+08 29 54.1	9.34	H	243.567 319 61	+08.498 366 71		12.53	−37.29	−7.42	1.09	0.89	1.26	1.27	1.22	−11	−29	−26	+37	− 8	+ 7	− 4	+35	− 5	−23	0	−1.26
79587	16 14 16.26	−16 32 26.7	8.40	H	243.567 733 76	−16.540 744 58		3.77	−0.73	−9.31	1.20	0.88	1.37	1.43	1.08	−19	−30	−21	+13	−23	+24	−10	+41	−28	−26	0	0.57
79588	16 14 16.53	−10 24 52.0	7.28	G	243.568 859 80	−10.414 453 50		12.20	69.67	−17.72	1.35	0.79	1.39	0.99	0.89	−12	−70	+ 7	+20	− 9	+ 1	+ 2	+42	−11	−19	3	3.27
79589	16 14 16.58	+15 48 16.7	9.43	H	243.569 098 16	+15.804 629 53		−2.20	−1.35	−9.07	1.23	1.04	1.60	1.76	1.44	+ 5	−33	+11	+19	− 5	+ 0	−12	+41	+ 9	+37	0	0.20
79590	16 14 16.83	+52 48 12.1	9.97	H	243.570 135 69	+52.803 357 17		4.02	−34.12	26.83	0.96	1.17	1.21	1.34	1.44	− 4	+11	−31	+ 6	+ 2	−12	+ 0	+ 4	+14	− 3	0	1.10
79591	16 14 16.94	+40 57 20.1	9.63	H	243.570 582 86	+40.955 574 68		5.51	−20.92	−10.01	0.87	0.81	1.10	0.99	0.89	+ 0	− 6	−11	− 2	+11	+ 2	+11	− 8	+10	− 3	0	0.94
79592	16 14 17.19	−10 25 12.4	9.70	H																							
79593	16 14 20.77	−03 41 38.3	2.73	H	243.586 526 01	−03.693 975 62		19.16	−45.83	−142.91	0.78	0.70	1.02	1.09	0.93	− 1	−24	−53	+28	+31	−39	+ 2	−16	+32	−46	4	−1.11
79594	16 14 20.91	+20 41 37.1	11.40	2 G	243.587 130 29	+20.693 631 34		22.56	−240.96	199.11	1.75	1.65	2.71	1.89	2.50	+16	− 4	+ 1	−28	−42	+ 9	−40	+33	−12	− 4	0	−1.95
79595	16 14 22.13	+02 38 50.4	6.93	H	243.592 191 62	+02.647 332 57		10.18	−2.25	−57.38	0.89	0.64	0.94	1.05	1.02	−48	−23	− 6	+44	−24	+17	−14	+36	− 7	−58	0	−1.57
79596	16 14 22.37	−33 00 39.8	5.91	G	243.593 213 16	−33.011 042 17		5.07	−8.41	−18.79	0.75	0.52	0.85	0.86	0.67	−14	−37	− 9	+23	+ 7	+11	+17	+42	−32	− 9	2	0.08
79597	16 14 27.18	+67 15 02.0	8.49	H	243.613 247 98	+67.250 551 14		3.15	21.90	−10.13	0.68	0.73	0.74	0.85	0.91	+ 9	− 9	−15	−10	− 1	+ 2	+ 0	−14	− 1	+ 5	0	0.20
79598	16 14 27.65	−62 46 13.4	7.70	G	243.615 217 69	−62.770 379 88		1.10	−0.81	−2.95	0.59	0.65	0.83	0.70	0.85	−30	−11	− 5	+19	−30	− 3	−22	+44	−21	−45	0	1.46
79599	16 14 28.89	−21 06 27.2	6.41	H

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55 56-7	58-61	62	63	64	65	66	67	68-70
79501	9.272	0.015	7.647	0.008		1.360	0.013	T	1.33	0.01	L	7.6362	0.0012	0.014	149		7.62	7.66				1							S
79502	9.829	0.023	8.424	0.013	A	1.187	0.020	T	1.15	0.02	L	8.4387	0.0059	0.018	119	A	8.40	8.48			16134−6417 H 1	2 C A	AB	333	10.393	0.022	2.68	0.07	
79503	7.277	0.010	6.994	0.010		0.296	0.015	G	0.34	0.02	H	7.0354	0.0018	0.011	54		7.01	7.05				1							S
79504	8.417	0.013	8.285	0.015		0.127	0.019	T	0.14	0.02	L	8.3084	0.0019	0.015	52		8.29	8.34		C		1							S
79505	10.696	0.034	9.409	0.018		1.095	0.030	T	1.06	0.03	L	9.4554	0.0019	0.023	168		9.41	9.51				1							
79506	8.770	0.010	7.269	0.006		1.263	0.009	T	1.22	0.01	L	7.3005	0.0011	0.011	131		7.28	7.32				1							S
79507	7.392	0.005	7.443	0.006		−0.052	0.002	G	−0.03	0.00	H	7.4501	0.0009	0.010	177		7.43	7.47		C		1							S
79508	9.868	0.032	9.318	0.031		0.515	0.040	T	0.59	0.04	L	9.3818	0.0024	0.018	77		9.36	9.41		C		1							
79509	6.251	0.004	5.064	0.003		1.017	0.004	T	0.99	0.00	L	5.1145	0.0006	0.006	108		5.10	5.13			16135−5438 I 1	1							S
79510	11.092	0.042	9.968	0.025		0.968	0.038	T	0.95	0.03	L	10.0212	0.0030	0.030	176		9.96	10.07		C		1							
79511	10.923	0.050	9.582	0.025	*	1.137	0.044	T	1.10	0.05	L *	9.6362	0.0025	0.025	128	*	9.58	9.68			16135+3202 H 1	2 C A	AB	118	0.388	0.037	2.82	0.20	
79512	11.188	0.050	9.795	0.024		1.178	0.043	T	1.14	0.04	L	9.7796	0.0038	0.032	124		9.73	9.83		R		1							
79513	10.006	0.027	8.974	0.019	A	1.144	0.134	G	0.86	0.03	L *	8.8284	0.0017	0.018	97	*	8.80	8.87		D	16135−5137 H 1	2 C A	AB	59	6.992	0.010	1.44	0.04	
79514	8.955	0.012	8.711	0.014	*	0.233	0.017	T	0.26	0.02	L *	8.6803	0.0015	0.016	105	*	8.66	8.71		D	16136+7147 I 1	2 C A	AB	7	0.729	0.003	0.46	0.01	S
79515	11.194	0.060	9.223	0.019	*	1.160	0.040	G	1.12	0.04	R *	9.1832	0.0024	0.018	118	*	9.15	9.22			16136+5933 H 1	2 C S C	AB	294	0.134	0.083	1.57	1.56	
79516	9.437	0.017	8.964	0.017		0.458	0.019	T	0.53	0.02	L	9.0077	0.0022	0.018	93		8.99	9.05				1							
79517	8.763	0.011	8.590	0.013		0.166	0.016	T	0.18	0.02	L	8.6174	0.0016	0.015	110		8.59	8.64		C		1							S
79518	9.510	0.016	8.712	0.013		0.723	0.016	T	0.77	0.01	L	8.7750	0.0020	0.018	136		8.74	8.81		C		1							S
79519	8.366	0.015	8.122	0.016		0.233	0.021	T	0.26	0.03	L	8.1303	0.0012	0.011	47		8.10	8.15		D		1							S
79520	8.247	0.012	7.602	0.008		0.598	0.015	G	0.67	0.01	H	7.6666	0.0013	0.008	71		7.65	7.68		C		1 G							S
79521	8.850	0.012	8.669	0.014		0.173	0.017	T	0.19	0.02	L	8.7043	0.0020	0.017	115		8.68	8.74		C		1							
79522	7.717	0.012	6.556	0.007		0.997	0.011	T	0.98	0.01	L	6.6103	0.0010	0.006	50		6.60	6.62		C		1							S
79523	11.701	0.163	10.040	0.057		1.389	0.136	T	1.36	0.16	L	9.7611	0.0032	0.026	101		9.71	9.81				1 S							G
79524	7.452	0.008	6.756	0.007		0.617	0.012	G	0.69	0.01	H	6.8116	0.0010	0.008	59		6.80	6.83		C		1							S
79525	10.078	0.027	8.766	0.016		1.114	0.025	T	1.08	0.03	L	8.7930	0.0018	0.018	103		8.76	8.83				1							
79526	9.170	0.013	8.419	0.011	*	0.686	0.013	T	0.74	0.01	L *	8.4580	0.0015	0.014	113	*	8.43	8.49		D	16137+4638 I 1	2 C A	AB	188	0.544	0.005	1.14	0.02	S
79527	9.893	0.032	7.788	0.012		1.741	0.027	T	1.77	0.03	L	7.6703	0.0027	0.016	42		7.65	7.72				1							S
79528	9.668	0.025	9.411	0.029		0.273	0.020	G	0.31	0.03	H	9.4516	0.0021	0.015	49		9.42	9.47				1							
79529	8.238	0.013	6.982	0.008		1.071	0.012	T	1.04	0.01	L	7.0074	0.0011	0.006	50		7.00	7.02		C		1							S
79530	6.430	0.004	6.421	0.004	A	0.043	0.028	G	0.02	0.00	L *	6.4135	0.0020	0.016	116	*	6.39	6.44	0.85	P 1 A	16138−2425 I 1	2 C C	AB	221	1.701	0.030	3.96	0.08	S
79531						0.581	0.020	G	0.65	0.02	H	10.8798	0.0834			B				D	16138−0739 I 2	1 C I A							
79532	9.499	0.025	9.326	0.030	A	0.259	0.020	G	0.29	0.03	H	9.3331	0.0245	0.058	57	A	9.25	9.41		D	16138−0739 I 2	1 C P A							
79533	8.186	0.011	7.707	0.010	*	0.451	0.014	T	0.52	0.01	L *	7.8215	0.0012	0.014	176	*	7.80	7.86		D	16138+2844 I 1	2 C A	AB	187	6.099	0.008	1.90	0.03	S
79534	8.733	0.011	8.385	0.012		0.330	0.015	T	0.38	0.02	L	8.4329	0.0015	0.013	109		8.41	8.46				1							
79535	9.157	0.012	9.163	0.016		−0.004	0.017	T	0.02	0.02	L	9.1828	0.0024	0.022	169		9.14	9.22				1							
79536	10.875	0.066	9.683	0.033		1.021	0.058	T	0.99	0.05	L	9.7683	0.0040	0.025	75		9.71	9.82				1							
79537						0.815	0.006	G	0.94	0.02	A	7.6596	0.0011	0.010	160		7.64	7.68				1							
79538	9.784	0.017	9.173	0.016		0.569	0.020	T	0.64	0.02	L	9.2390	0.0020	0.021	157		9.20	9.29		C		1							
79539	7.620	0.009	7.445	0.010		0.168	0.013	T	0.18	0.01	L	7.4656	0.0015	0.012	75		7.45	7.49				1							S
79540	7.050	0.006	5.400	0.004		1.394	0.005	G	1.37	0.01	H	5.3868	0.0008	0.005	60		5.38	5.40		C		1							S
79541	8.275	0.012	7.656	0.012		0.576	0.015	G	0.65	0.01	H	7.7233	0.0010	0.009	82		7.71	7.74		C		1							S
79542	9.277	0.015	8.101	0.010		1.008	0.014	T	0.98	0.01	L	8.1454	0.0014	0.014	119		8.12	8.17				1							S
79543	9.833	0.023	7.965	0.010		1.585	0.021	T	2.36	0.07	O	7.7815	0.0116	0.083	88		7.70	7.96		U 2		1							S P
79544	8.670	0.013	8.272	0.013		0.394	0.003	G	0.46	0.00	H	8.3280	0.0019	0.015	88		8.29	8.36		C		1							S
79545	8.928	0.018	8.330	0.017		0.593	0.015	G	0.66	0.01	H	8.3658	0.0015	0.013	47		8.35	8.39		C		1							S
79546	9.676	0.024	8.942	0.020		0.658	0.024	T	0.72	0.02	L	9.0357	0.0013	0.013	96		9.01	9.06				1							
79547	9.380	0.016	8.976	0.016		0.360	0.015	G	0.42	0.02	H	9.0232	0.0016	0.016	117		9.00	9.05		C		1							
79548	9.350	0.015	8.310	0.011		0.904	0.014	T	0.91	0.01	L	8.3815	0.0015	0.017	120		8.35	8.41			16139+4736 I 1	1							S
79549	9.221	0.012	7.963	0.008		1.072	0.011	T	1.04	0.01	L	8.0020	0.0012	0.015	157		7.97	8.03				1							
79550	8.208	0.008	8.100	0.010		0.098	0.012	T	0.11	0.01	L	8.1341	0.0014	0.014	120		8.11	8.16				1							
79551											T	12.3414	0.0096	0.087	133		12.21	12.47		U		1 X S							G
79552	8.227	0.010	7.970	0.012	*	0.254	0.015	G	0.29	0.02	H *	8.0012	0.0015	0.010	73	*	7.99	8.02		C	16140−2815 I 1	2 C B	AB	278	0.233	0.039	2.06	0.54	S
79553	10.171	0.018	8.991	0.011		1.011	0.016	T	0.99	0.01	L	9.0222	0.0018	0.023	232		8.98	9.07				1							
79554	10.888	0.057	9.112	0.021		1.480	0.048	T	1.50	0.07	L	9.0705	0.0020	0.015	98		9.05	9.10		C		1							
79555	10.159	0.029	8.807	0.017		1.146	0.026	T	1.11	0.02	L	8.8234	0.0013	0.018	106		8.79	8.85		D		1							
79556	8.926	0.010	8.434	0.010		0.478	0.015	G	0.55	0.02	H	8.4902	0.0013	0.019	168		8.45	8.53		D		1							
79557	9.369	0.018	8.017	0.011		1.146	0.017	T	1.11	0.01	L	8.0586	0.0012	0.011	118		8.04	8.08		C		1							
79558	10.256	0.058	9.528	0.049		0.676	0.015	G	0.74	0.01	H	9.5204	0.0022	0.016	47		9.50	9.55		C		1							
79559	8.892	0.013	8.360	0.013		0.499	0.017	T	0.57	0.02	L	8.4012	0.0017	0.014	95		8.37	8.42		C		1							
79560	9.280	0.022	8.778	0.022		0.551	0.003	G	0.62	0.00	H	8.8218	0.0031	0.015	48		8.79	8.85		C		1							
79561	9.842	0.026	9.202	0.024		0.594	0.031	T	0.66	0.03	L	9.2605	0.0029	0.020	57		9.22	9.30		C		1							
79562	8.980	0.021	8.502	0.020		0.503	0.015	G	0.58	0.02	H	8.5254	0.0029	0.014	37		8.50	8.56			16141−0220 I 1	1							S
79563	9.086	0.013	8.059	0.009		0.894	0.012	T	0.90	0.01	L	8.1320	0.0011	0.012	111		8.12	8.16				1							S
79564	8.726	0.012	7.190	0.006		1.290	0.011	T	1.25	0.01	L	7.1953	0.0014	0.012	127		7.18	7.21				1							S
79565	10.435	0.044	8.923	0.022		1.271	0.039	T	1.23	0.04	L	8.9348	0.0025	0.015	51		8.91	8.97				1							
79566	10.827	0.045	9.180	0.019		1.378	0.039	T	1.35	0.05	L	9.2357	0.0018	0.020	112		9.20	9.27		C		1							
79567	7.563	0.010	7.433	0.012		0.126	0.015	T	0.14	0.01	L	7.4485	0.0014	0.014	50		7.43	7.48				1							S
79568	8.914	0.015	8.508	0.015		0.430	0.015	G	0.50	0.02	H	8.5442	0.0020	0.016	71		8.51	8.57		C		1							S
79569	8.760	0.011	8.207	0.011		0.513	0.002	G	0.59	0.00	H	8.2713	0.0014	0.014	113		8.23	8.29				1							
79570	11.259	0.067	8.576	0.013		2.257	0.056	T	3.62	0.11	O	8.1992	0.0032	0.020	92		8.17	8.23				1 S							
79571	8.442	0.012	6.906	0.006		1.290	0.011	T	1.25	0.01	L	6.9107	0.0010	0.008	108		6.90	6.93		C		1							S
79572	8.436	0.008	8.447	0.010		−0.005	0.012	T	0.02	0.01	L	8.4600	0.0018	0.020	180		8.42	8.49				1 S							
79573	8.103	0.009	8.139	0.012		−0.028	0.014	T	−0.01	0.01	L	8.1352	0.0015	0.015	120		8.11	8.16		C		1							
79574	9.333	0.015	8.862	0.015		0.444	0.019	T	0.51	0.02	L	8.8964	0.0018	0.016	126		8.87	8.92		C		1							
79575	8.292	0.010	8.223	0.012		0.069	0.015	T	0.08	0.02	L	8.2523	0.0013	0.013	112		8.23	8.27				1							
79576	9.421	0.020	8.706	0.017		0.661	0.008	G	0.72	0.01	H	8.7839	0.0015	0.014	97		8.75	8.81		C		1							
79577	9.739	0.017	9.411	0.018	*	0.316	0.027	T	0.36	0.04	L *	9.4920	0.0023	0.026	157	*	9.44	9.55		D	16142−6641 H 1	2 C S A	AB	74	0.186	0.009	0.56	0.30	
79578	7.356	0.007	6.629	0.006		0.646	0.006	G	0.71	0.01	H	6.6842	0.0005	0.005	70		6.68	6.69		C		1							S
79579	10.184	0.044	9.400	0.035		0.696	0.043	T	0.75	0.04	L	9.4556	0.0031	0.021	44		9.43	9.50				1							
79580	9.499	0.026	8.736	0.021		0.680	0.025	T	0.74	0.02	L	8.8058	0.0023	0.018	53		8.78	8.84		C		1							
79581	7.795	0.008	6.417	0.004		1.148	0.003	G	1.11	0.00	H	6.4652	0.0008	0.007	97		6.45	6.48		C		1							S
79582	10.360	0.031	8.877	0.016		1.249	0.027	T	1.21	0.03	L	8.9139	0.0020	0.021	97		8.87	8.94				1							
79583	9.746	0.038	9.184	0.035		0.488	0.020	G	0.56	0.02	H	9.2763	0.0031	0.020	42		9.25	9.32				1							
79584	10.811	0.058	9.251	0.026		1.309	0.050	T	1.27	0.05	L	9.1843	0.0025	0.015	55		9.15	9.21		C		1							
79585	8.888	0.023	8.028	0.018		0.770	0.022	T	0.81	0.02	L	8.1143	0.0012	0.010	45		8.10	8.13		D		1							S
79586	10.019	0.025	9.402	0.023		0.600	0.020	G	0.67	0.02	H	9.4634	0.0021	0.020	92		9.43	9.50		C		1							
79587	10.420	0.052	8.575	0.020		1.534	0.044	T	1.58	0.10	L	8.5186	0.0014	0.014	53		8.50	8.55		C		1							
79588	7.879	0.010	7.357	0.010		0.495	0.015	G	0.57	0.02	H	7.3789	0.0021	0.011	49		7.36	7.39		D	16143−1025 I 2	1 S							S
79589	11.485	0.095	9.695	0.032		1.491	0.079	T	1.51	0.12	L	9.5518	0.0027	0.022	85		9.51	9.59				1							
79590	11.244	0.061	10.055	0.034		1.018	0.054	T	0.99	0.04	L	10.1323	0.0035	0.024	100		10.09	10.18		C		1							
79591	10.381	0.039	9.680	0.032		0.646	0.041	T	0.71	0.04	L	9.7618	0.0033	0.021	93		9.73	9.80		C		1							
79592											T	9.8439	0.1292	0.646	48		8.34	10.64		D	16143−1025 I 2	S							G
79593	4.817	0.005	2.919	0.003		1.584	0.010	G	1.82	0.02	A	2.8283	0.0025	0.010	39		2.81	2.84			16143−0342 I 1	1							S
79594						1.333	0.019	G	1.54	0.03	I	11.4894	0.0056	0.059	155		11.36	11.57		U		1 S							G
79595	7.549	0.006	6.989	0.006		0.543	0.001	G	0.62	0.00	H	7.0484	0.0013	0.009	92		7.04	7.08		C		1							S
79596	7.218	0.007	6.031	0.005		1.021	0.001	G	0.99	0.00	H	6.0772	0.0009	0.006	79		6.07	6.09		C		1							S
79597	10.114	0.027	8.577	0.014		1.291	0.024	T	1.25	0.03	L	8.6477	0.0023	0.015	108		8.62	8.67		C		1							
79598	7.702	0.007	7.695	0.008		0.008	0.002	G	0.03	0.00	H	7.7142	0.0012	0.012	116		7.69	7.74		C		1							S
79599	6.415	0.006	6.414	0.006		0.002	0.007	T	0.02	0.01	L	6.4233	0.0009	0.008	56		6.41	6.44				1							S
79600	9.537	0.016	7.987	0.009		1.301	0.014	T	1.26	0.01	L	8.0040	0.0016	0.012	121		7.98	8.02				1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1 %	F2
1 2	h m s	±° ′ ″	mag	6 7	deg	deg	mas	mas/yr		mas		mas	mas/yr		19	20	21	22	23	24	25	26	27	28	29	30
	3	4	5		8	9	10 11	12	13	14	15	16	17	18												
79601	16 14 33.47	+73 23 41.3	6.02	H	243.639 442 01	+73.394 808 14	4.36	−10.86	34.33	0.47	0.45	0.49	0.45	0.50	− 3	−24	− 6	− 4	− 7	− 8	− 4	+19	− 6	−11	3	0.72
79602	16 14 35.00	−48 19 27.7	9.01	H	243.645 837 30	−48.324 373 60	4.97	−3.46	−1.86	1.10	0.83	1.35	1.49	1.12	−22	−11	− 3	+ 6	− 4	+25	−12	+53	− 9	− 3	0	−0.09
79603	16 14 38.20	−31 56 24.0	9.27	H	243.659 168 72	−31.939 991 44	2.83	−38.57	−18.10	1.24	1.21	1.60	1.43	1.73	−55	+ 6	−45	+30	−52	+34	−37	+72	−59	−69	0	1.20
79604	16 14 38.39	−00 23 55.4	7.68	G	243.659 957 80	−00.398 730 02	0.89	9.33	−8.28	0.88	0.59	0.89	1.00	0.76	−18	−21	− 2	+24	+ 3	+ 9	+ 6	+ 9	− 5	−20	0	−1.75
79605	16 14 39.30	−18 32 07.2	6.32	G	243.663 755 87	−18.535 343 00	11.56	−92.49	−125.94	0.83	0.66	0.97	0.92	0.72	− 9	−31	−34	+12	− 1	+ 2	+ 2	+24	− 8	−26	0	2.36
79606	16 14 40.17	−20 14 02.8	9.14	G	243.667 379 02	−20.234 101 09	5.60	−16.67	−29.03	1.37	1.12	2.10	1.49	1.24	+ 6	−34	−54	+16	− 3	+ 1	+ 6	+40	−52	− 8	0	−0.67
79607 H	16 14 41.04	+33 51 31.8	5.23	2 H	243.671 003 28	+33.858 824 04	A 46.11	−266.47	−86.88	0.88	1.04	0.98	0.86	1.12	+ 1	− 4	+ 7	+ 7	+13	+ 1	+16	+ 8	− 7	−23	7	−0.34
79608	16 14 42.25	+07 51 29.7	6.59	H	243.676 046 20	+07.858 253 62	5.08	−16.16	−4.82	0.69	0.54	0.79	0.89	0.73	−19	−24	− 3	+33	+ 8	+12	+14	+17	−14	−10	0	−1.71
79609	16 14 42.59	+17 03 26.2	11.19	H	243.677 455 17	+17.057 265 79	4.79	−32.72	−12.83	1.96	1.74	2.43	2.17	2.32	+ 0	−23	−20	+27	−19	+12	−10	+47	−28	−14	0	−1.54
79610 H	16 14 43.03	−38 38 43.3	9.24	H	243.679 286 94	−38.645 350 29	A 10.07	−14.06	−29.38	3.02	2.51	3.13	3.36	3.17	−17	+ 4	−15	+16	−37	−15	−25	+61	−15	−48	3	−0.57
79611	16 14 43.95	−68 07 11.6	9.71	H	243.683 126 25	−68.119 899 67	4.88	33.03	−56.28	0.80	1.15	1.55	0.87	1.32	+18	−20	− 4	+10	+ 1	−24	− 3	+33	+ 8	+16	1	−1.53
79612	16 14 44.23	+70 50 12.4	8.23	H	243.684 297 66	+70.836 783 42	2.96	−8.09	13.36	0.61	0.63	0.67	0.73	0.77	+ 3	+ 1	−17	−20	− 6	−12	− 5	+15	−18	− 7	0	−0.08
79613	16 14 44.61	+57 01 35.0	8.39	H	243.685 859 98	+57.026 384 78	12.70	65.70	−50.20	0.64	0.63	0.69	0.81	0.68	+ 3	− 2	− 3	+11	+ 5	− 7	+ 4	+12	−11	+ 4	0	−1.73
79614 H	16 14 45.52	+16 00 24.5	9.31	H	243.689 662 44	+16.006 796 29	A 1.40	−35.64	8.86	3.85	3.56	3.61	3.95	3.81	−19	−13	−21	+12	+ 3	− 5	+ 2	+30	−14	+40	0	−0.47
79615	16 14 46.29	+34 30 58.9	8.53	H	243.692 863 31	+34.516 358 10	5.85	−8.64	19.77	0.66	0.67	0.87	0.72	0.79	+18	+ 1	− 2	− 1	+ 3	+ 3	+ 4	+ 5	−12	+ 6	1	0.71
79616	16 14 46.60	−33 15 30.2	9.91	H	243.694 153 41	−33.258 381 04	5.76	−33.92	7.33	1.40	1.01	1.60	1.74	1.31	−18	−28	− 5	+15	+ 9	+17	+15	+31	−24	−13	2	1.52
79617	16 14 47.56	+06 02 40.4	9.90	H	243.698 152 34	+06.044 553 58	9.39	−164.75	−103.05	1.44	1.30	1.72	1.63	1.80	−58	−24	− 6	+24	−20	+ 2	−14	+20	−18	−57	0	2.09
79618	16 14 47.97	+18 12 59.8	7.46	H	243.699 856 51	+18.216 617 64	6.22	−7.71	−22.19	0.90	0.73	1.04	1.01	0.92	+ 2	−38	+ 6	+50	+ 6	− 2	+ 5	+47	+ 3	+17	0	−0.39
79619	16 14 50.25	+70 55 49.3	7.83	H	243.709 384 66	+70.930 358 42	24.58	−2.59	−286.16	0.58	0.61	0.65	0.69	0.74	+ 0	+ 7	−13	−20	− 1	−18	− 3	+10	−22	− 2	3	0.99
79620	16 14 52.87	+22 21 58.9	8.31	H	243.720 293 87	+22.366 366 84	4.25	10.82	20.06	0.62	0.63	1.02	0.66	0.79	+36	−23	+ 0	−20	− 5	+14	− 4	+ 2	− 1	+34	0	0.68
79621	16 14 53.34	−22 22 48.9	7.38	H	243.722 231 87	−22.380 251 17	4.20	−15.72	−22.55	0.78	0.53	0.87	0.86	0.73	−35	−21	− 6	+16	−10	+ 2	− 3	+42	−19	−38	0	0.08
79622	16 14 53.44	−25 28 36.9	6.06	H	243.722 651 06	−25.476 922 04	7.06	−9.79	−22.09	0.68	0.46	0.81	0.68	0.62	−24	−36	− 9	+ 8	−12	+ 0	+ 1	+34	−34	−24	0	0.30
79623	16 14 53.60	−76 30 32.4	12.08	H	243.723 335 03	−76.509 009 05	1.76	−7.21	−5.66	1.84	2.10	2.67	2.12	2.37	+ 9	−10	+ 3	+11	−11	−10	−12	+14	+12	+16	0	−0.37
79624	16 14 54.50	+65 14 46.5	9.25	H	243.727 085 85	+65.246 240 16	3.46	−7.42	−15.00	0.72	0.77	0.83	0.75	0.96	+ 5	−18	− 9	− 7	+ 5	−16	+10	+ 9	−26	+ 0	0	0.41
79625	16 14 54.75	−53 20 18.3	10.36	2 H	243.728 139 57	−53.338 423 04	4.45	−4.97	−6.80	1.74	1.20	2.06	2.52	1.84	+25	−17	−18	+ 8	+23	− 7	+13	+39	−13	+55	0	−0.49
79626 H	16 14 55.13	+10 22 22.0	8.89	H	243.729 712 12	+10.372 773 13	* 8.41	−71.59	46.37	1.37	1.19	1.73	1.46	1.73	−52	−55	+27	+30	−22	−22	−12	+28	− 1	−46	5	−1.38
79627	16 14 55.46	−00 15 37.0	7.94	H	243.731 101 14	−00.260 290 67	0.94	−28.53	7.97	1.11	0.71	1.06	1.13	0.86	+ 4	−37	+ 6	+42	+21	− 2	+17	+22	+ 5	− 6	0	−1.65
79628	16 14 56.28	−45 59 29.5	7.59	G	243.734 495 32	−45.991 534 78	8.99	−39.87	−21.89	0.85	0.63	0.96	1.12	0.88	− 5	− 9	−15	+41	+ 5	+ 8	+ 6	+54	−14	+ 8	0	−0.34
79629	16 14 57.05	+60 40 07.3	7.67	H	243.737 701 17	+60.668 707 08	32.72	25.07	438.34	0.56	0.56	0.60	0.63	0.66	+ 9	− 1	−14	−20	−16	+ 8	−13	− 4	− 4	−11	2	1.09
79630	16 14 57.07	−32 26 44.3	8.22	H	243.737 792 53	−32.445 648 55	0.12	−0.77	0.00	1.01	0.78	1.15	1.20	1.10	−38	−26	−13	+15	−11	+ 2	+ 0	+43	−24	−48	0	0.31
79631	16 14 57.78	−39 37 39.8	7.16	H	243.740 751 71	−39.627 735 19	7.61	−19.28	−31.33	0.72	0.54	0.90	0.66	0.64	−12	−34	−23	+ 3	−17	− 5	− 2	+36	−32	−35	0	1.58
79632	16 14 57.91	+45 25 55.4	8.55	G	243.741 306 17	+45.432 044 71	7.92	−33.53	4.01	0.58	0.62	0.70	0.67	0.69	+ 7	+10	− 7	+13	− 2	+ 6	+ 0	+20	− 4	−13	0	−1.64
79633	16 14 59.14	−14 38 20.1	8.14	H	243.746 401 38	−14.638 916 01	10.98	−3.91	−33.33	1.01	0.74	1.09	1.18	0.99	+ 0	−21	−21	+28	+10	− 6	+ 6	+19	+20	−27	0	1.85
79634	16 15 01.28	+11 29 24.8	7.55	H	243.755 319 34	+11.490 208 66	10.03	5.95	−74.41	0.82	0.71	1.04	1.05	1.02	−28	−34	+ 8	+ 8	+ 1	−12	+ 7	+ 3	−14	−14	0	0.91
79635	16 15 03.79	−42 01 59.0	10.40	G	243.765 772 39	−42.033 065 32	4.45	−1.48	−9.49	1.54	1.02	2.02	1.85	1.58	+ 2	−29	−26	+21	−12	− 2	+ 3	+52	−25	−31	0	0.00
79636	16 15 04.38	−56 22 26.4	7.80	G	243.768 257 79	−56.373 995 68	24.13	−212.52	−224.44	0.87	0.71	0.98	1.06	0.88	+ 4	− 4	−33	+59	+13	+ 9	+18	+64	−31	− 7	0	0.08
79637	16 15 06.51	−61 16 03.8	8.62	H	243.777 141 41	−61.267 732 26	1.74	−0.84	−4.18	0.62	0.90	1.14	0.81	1.14	−32	−10	−27	+20	−34	+20	−28	+61	−28	−37	3	−1.37
79638	16 15 06.73	+65 04 19.7	7.98	H	243.778 031 73	+65.072 147 38	5.17	−26.67	48.77	0.63	0.57	0.63	0.68	0.65	+10	−16	− 4	+18	+14	− 5	+17	+ 7	−16	+14	0	1.17
79639	16 15 07.26	+24 31 36.6	9.11	H	243.780 259 66	+24.526 833 50	4.91	1.70	−18.32	0.50	0.76	1.11	0.59	0.92	− 5	− 6	−13	+17	− 9	− 7	−11	+ 1	−11	− 8	2	2.49
79640	16 15 07.61	−40 34 38.6	9.46	H	243.781 701 73	−40.577 382 02	7.14	−9.39	−50.28	1.13	0.82	1.35	1.36	1.15	− 1	−25	−16	+21	− 7	+ 5	+ 0	+49	−15	−14	0	−0.81
79641	16 15 08.27	−60 05 58.8	8.87	H	243.784 445 82	−60.099 661 61	1.83	−16.13	−30.87	0.80	0.83	1.22	0.87	0.88	+ 4	−12	−36	+32	+13	−16	+10	+32	−19	− 9	0	0.64
79642	16 15 08.65	−54 09 32.1	9.25	H	243.786 043 71	−54.158 914 01	1.17	−2.28	−5.83	1.19	0.89	1.59	1.62	1.28	+21	−14	−16	− 7	+ 4	−29	− 1	+17	−30	+40	0	−0.19
79643	16 15 09.29	−23 45 34.8	9.53	G	243.788 690 16	−23.759 675 40	5.61	−7.35	−21.57	1.56	0.88	1.76	2.22	1.34	− 9	− 9	+ 9	+34	+32	+14	+31	+39	−28	+20	0	0.56
79644	16 15 10.45	−22 07 09.8	10.20	H	243.793 557 85	−22.119 385 82	5.03	−9.12	−21.57	1.56	0.96	1.64	1.72	1.28	−10	−23	+ 2	+23	+14	−12	+18	+35	+ 1	−13	4	−0.63
79645	16 15 10.77	−07 21 41.6	7.93	G	243.794 854 91	−07.361 562 58	8.82	−40.82	−29.02	0.96	0.71	1.04	1.08	0.87	− 2	−30	−22	+32	+10	+ 6	+11	+21	+ 1	−19	0	0.89
79646	16 15 11.33	−49 52 28.0	8.07	H	243.797 227 88	−49.874 442 49	1.63	−2.47	−10.20	0.98	0.70	1.23	1.07	0.91	+18	−38	−33	+19	+ 0	+14	+19	+51	−32	− 8	0	1.15
79647	16 15 11.92	+47 02 24.2	7.86	H	243.799 648 41	+47.040 049 06	3.82	−14.12	11.66	0.59	0.61	0.67	0.71	0.66	+13	− 4	−14	− 0	+15	− 8	+19	+18	− 6	−14	0	1.13
79648	16 15 12.48	−12 44 57.9	8.94	H	243.802 007 50	−12.749 423 97	3.93	−14.13	−10.71	1.32	1.04	1.44	1.72	1.50	−25	−30	−14	+12	−23	− 7	−20	+37	+ 1	−43	0	−0.47
79649	16 15 14.80	+55 47 58.4	9.08	H	243.811 680 83	+55.799 551 67	2.41	0.73	−4.40	0.69	0.70	0.78	0.80	0.81	+ 8	−20	−15	+ 3	− 1	+18	+ 3	+10	− 7	+15	0	−0.50
79650	16 15 14.94	−02 20 05.4	8.53	H	243.812 246 72	−02.334 847 15	2.87	−10.36	9.73	1.34	0.94	1.41	1.68	1.21	−11	−37	−22	+ 6	−12	+14	− 9	+14	+ 2	−23	0	−1.37
79651 H	16 15 14.98	+34 42 47.7	7.25	H	243.812 428 03	+34.713 239 23	A 7.08	−18.75	−29.02	1.31	1.14	0.93	0.81	0.89	− 6	−16	+ 1	−12	− 5	+ 9	− 7	+ 2	+18	+ 6	1	1.53
79652	16 15 15.06	+32 08 49.8	8.40	H	243.812 736 02	+32.147 159 07	0.86	−6.95	−26.62	0.61	0.70	0.91	0.70	0.82	+15	−12	−13	+10	+20	−15	+20	+ 8	− 9	+17	0	1.27
79653	16 15 15.35	−47 22 18.9	5.13	H	243.813 947 32	−47.371 909 84	11.06	−36.77	−45.86	0.61	0.48	0.73	0.67	0.60	−18	−25	−21	+ 3	−19	+ 0	−13	+41	−13	−32	0	2.88
79654	16 15 15.68	−00 38 17.9	7.73	H	243.815 348 55	−00.638 318 35	2.61	−6.31	1.32	0.96	0.68	1.02	1.00	0.79	+ 4	−35	−26	+29	+ 7	− 4	+ 5	+12	− 2	−19	0	−0.67
79655	16 15 15.79	+48 19 42.2	8.99	G	243.815 771 35	+48.328 394 08	1.90	7.61	−7.08	0.76	0.71	0.86	0.85	0.80	+13	− 9	−20	−16	+ 3	−22	− 3	− 9	+ 1	+30	0	−0.35
79656	16 15 15.90	+52 01 47.9	9.26	H	243.816 255 78	+52.029 979 30	7.90	−13.18	47.23	0.84	0.85	0.94	0.87	0.95	+ 6	+ 7	+11	+ 1	+ 8	− 5	+ 9	− 2	+12	−10	0	2.61
79657 H	16 15 16.59	+04 15 46.5	8.06	H	243.819 124 56	+04.262 912 62	A 3.05	4.85	1.31	2.86	2.10	2.90	4.45	2.83	−67	+17	−18	+ 1	+10	+12	+14	−13	−19	−56	1	1.03
79658	16 15 19.13	−27 12 35.8	7.53	H	243.829 727 39	−27.209 932 25	27.64	−61.58	−134.95	0.82	0.50	0.91	0.82	0.67	− 5	−38	−10	+16	+ 1	+16	+17	+36	−28	−26	0	0.59
79659	16 15 23.80	+33 19 48.3	8.89	2 H	243.849 171 55	+33.330 077 85	3.57	−13.43	−6.91	0.68	0.81	1.02	0.69	0.91	+ 8	−11	+ 1	+ 7	+ 4	−14	+ 8	+30	−15	+ 3	0	2.05
79660	16 15 23.90	−51 01 00.7	8.50	H	243.849 564 06	−51.016 854 49	4.02	−3.91	−3.09	1.24	0.77	1.44	1.77	1.20	+28	−39	−20	+40	+34	−13	+37	+50	−28	+47	0	−0.23
79661	16 15 23.98	−42 53 57.9	6.14	G	243.849 917 94	−42.899 409 96	13.33	−29.21	−4.92	0.66	0.51	0.87	0.96	0.81	− 5	−10	−28	+24	−17	+17	− 1	+54	−12	−38	0	0.27
79662	16 15 24.93	+10 43 20.4	9.31	H	243.853 859 01	+10.722 322 34	2.95	−3.92	−15.97	1.22	1.00	1.57	1.32	1.56	−37	−47	+14	+12	+ 6	− 7	+ 9	+ 3	+ 3	−34	0	1.55
79663	16 15 24.95	−11 02 48.8	7.69	G	243.853 956 99	−11.046 885 96	9.34	−129.91	−23.63	0.94	0.77	1.00	0.99	0.97	−30	−36	− 8	+22	−31	+ 1	−24	+48	− 6	−47	0	−0.51
79664	16 15 26.27	−63 41 08.3	3.86	H	243.859 442 28	−63.685 648 97	5.25	3.51	−13.49	0.41	0.46	0.61	0.48	0.54	−16	−14	− 5	+18	− 6	+ 3	− 5	+44	−10	−14	0	−0.55
79665	16 15 28.50	−48 54 09.9	9.33	H	243.868 747 73	−48.902 748 50	11.50	−80.15	−43.98	1.27	0.84	1.50	1.44	1.09	+23	−31	−29	+22	+20	+ 7	+29	+47	−24	+18	2	2.97
79666	16 15 28.68	+18 48 29.9	5.72	H	243.869 488 73	+18.808 292 64	10.31	−68.39	−84.77	0.63	0.48	0.73	0.78	0.73	+ 7	−20	− 3	+49	− 9	+ 4	−11	+47	− 7	− 4	0	−0.87
79667	16 15 33.26	−12 40 48.1	7.48	H	243.888 596 85	−12.680 038 73	10.68	0.97	1.54	0.96	0.67	1.05	1.09	0.89	−17	−43	+ 4	− 1	+ 7	− 8	+ 5	+ 9	+ 9	−26	0	2.77
79668 H	16 15 33.91	+19 44 06.1	9.65	H	243.891 285 63	+19.735 028 59	A 7.83	27.75	−34.22	2.00	2.08	2.65	2.10	2.93	−10	−34	− 8	+11	−52	+16	−45	+61	+11	−42	0	−0.42
79669 H	16 15 34.95	−56 41 16.0	7.90	H	243.895 634 51	−56.687 782 36	A 10.91	5.62	−12.50	1.53	1.24	1.30	1.56	1.29	+39	+19	+15	+74	+49	+22	+48	+70	+ 3	+43	3	−0.16
79670	16 15 35.58	−02 23 04.9	10.43	H	243.898 265 28	−02.384 699 18	16.86	−70.18	−29.35	2.14	1.53	2.20	2.49	1.91	−25	−44	+ 1	+15	+ 3	+ 7	− 1	+10	+ 6	−29	0	0.03
79671	16 15 36.64	+14 40 34.4	9.02	H	243.902 677 03	+14.676 229 47	−0.64	−17.99	−16.80	1.80	1.14	1.66	1.93	1.35	− 5	−50	+ 8	+52	−33	−37	+47	+20	−12	5	1.18
79672	16 15 37.13	−08 22 05.7	5.49	H	243.904 722 42	−08.368 236 51	71.30	232.16	−495.84	0.87	0.64	0.89	1.04	0.72	− 7	−20	+ 3	+41	− 1	+34	− 1	+52	− 8	+ 1	0	−1.41
79673	16 15 37.17	−41 38 58.5	8.84	G	243.904 868 00	−41.649 586 90	6.85	−19.53	−27.31	0.96	0.68	1.25	1.02	0.96	−10	−34	−23	+ 9	−23	+ 9	+ 0	+51	−30	−45	0	1.21
79674	16 15 40.02	−52 22 13.0	8.79	2 G	243.916 754 24	−52.370 274 18	−0.95	−1.11	−2.01	0.93	0.78	1.27	1.19	1.05	− 9	−18	−17	+18	−11	− 2	− 7	+45	−24	− 8	0	0.76
79675	16 15 42.14	+34 14 08.0	8.97	H	243.925 581 77	+34.235 556 43	12.66	−15.59	55.90	0.74	0.82	1.02	0.90	1.03	+16	+ 5	+ 7	+23	+18	+ 1	+19	+24	+ 6	+ 9	0	−0.81
79676	16 15 42.17	−22 48 28.1	9.29	H	243.925 715 84	−22.807 816 84	3.03	−5.23	−0.05	1.07	0.69	1.19	1.15	0.93	−30	−20	− 2	+ 0	+ 0	− 1	+ 5	+30	−15	−30	0	0.52
79677	16 15 42.30	+35 38 27.4	8.19	H	243.926 249 08	+35.640 951 80	15.56	−51.71	7.54	0.63	0.68	0.87	0.79	0.83	+16	+ 5	−14	+15	+14	−13	+14	− 4	+ 7	+19	0	−1.24
79678	16 15 42.54	+44 33 09.4	8.85	2 H	243.927 270 37	+44.552 607 99	10.26	54.54	−43.98	0.70	0.69	0.82	0.76	0.72	+ 3	+ 0	+ 4	+ 6	+ 7	− 5	+ 6	− 3	− 7	− 8	0	−2.45
79679	16 15 43.25	−15 26 47.6	9.51	G	243.930 211 20	−15.446 563 61	1.29	2.71	−18.36	1.25	1.00	1.36	1.52	1.29	−17	−23	−20	+ 8	−15	+ 2	−13	+ 5	−31	0	−0.07
79680	16 15 44.12	−81 55 17.9	9.18	H	243.933 827 25	−81.921 651 80	1.53	−4.65	−11.37	0.71	0.76	0.98	0.66	0.86	+ 4	−29	−19	+ 6	− 6	+12	− 5	− 5	+16	+ 7	0	0.34
79681	16 15 44.22	−04 53 50.1	9.95	H	243.934 264 41	−04.897 242 11	1.61	−8.04	−5.26	1.58	1.22	1.89	1.78	1.57	+20	−39	−49	+24	+37	−25	+15	−16	+27	−34	0	0.14
79682	16 15 44.23	−84 07 28.6	8.74	H	243.934 305 07	−84.124 597 65	19.72	191.12	26.69	0.65	0.74	0.86	0.76	0.89	+ 8	− 4	− 6	− 9	− 6	−10	− 6	−11	−11	+21	2	0.36
79683	16 15 44.91	+25 43 28.6	8.34	H	243.937 113 65	+25.724 624 29	3.15	−1.45	−31.95	0.54	0.64	1.04	0.61	0.82	+21	− 9	+ 4	−18	+13	− 1	+ 8	+ 3	− 1	+52	0	0.94
79684	16 15 46.88	−25 07 16.6	7.74	G	243.945 347 40	−25.121 267 47	14.48	−34.20	−109.29	0.81	0.57	1.02	0.87	0.81	−25	−23	−22	+ 0	− 8	+ 3	+ 3	+30	−41	−33	0	−1.24
79685	16 15 47.27	+53 14 12.6	6.95	H	243.946 955 71	+53.236 822 51	11.64	12.67	−61.92	0.51	0.51	0.56	0.60	0.61	+ 7	− 1	−15	− 6	+ 7	− 5	+ 5	+ 0	+ 4	+27	0	−1.68
79686	16 15 47.34	+27 25 19.8	6.14	H	243.947 270 71	+27.422 176 55	7.38	−33.95	−39.13	0.39	0.46	0.66	0.50	0.59	+16	− 4	+ 4	−15	+ 6	+ 4	+ 4	− 7	− 5	+34	0	−1.34
79687	16 15 47.52	−15 35 38.2	7.88	G	243.947 994 85	−15.593 944 86	1.84	−12.88	3.98	0.90	0.69	0.96	1.06	0.87	−11	−27	−18	+15	−11	+ 6	− 9	+27	− 1	−22	0	−0.65
79688	16 15 47.67	−29 00 38.6	8.85	2 H	243.948 614 01	−29.010 733 57	−0.70	−5.05	−4.90	1.13	0.74	1.26	1.58	1.01	−15	− 1	−16	+ 3	+22	+12	+24	+10	− 5	−12	0	0.74
79689	16 15 49.81	−57 54 44.0	5.61	G	243.957 546 43	−57.912 228 51	8.82	−12.12	−49.86	0.52	0.47	0.67	0.63	0.59	+ 5	−13	−14	+40	+20	−12	+21	+51	− 8	− 5	0	−0.03
79690	16 15 50.53	−20 04 35.0	8.10	H	243.960 553 48	−20.076 384 56	9.79	−19.80	−32.32	0.97	0.80	1.08	1.21	0.99	−28	− 2	−28	+22	−29	+28	−23	+46	−25	−28	0	1.85
79691	16 15 50.73	+36 33 16.2	7.00	H	243.961 360 39	+36.554 499 89	3.37	−8.87	−7.88	0.55	0.54	0.72	0.60	0.66	+20	+10	− 1	−21	−13	− 5	−12	−16	+16	+18	0	1.21
79692	16 15 51.49	−14 50 56.8	6.09	H	243.964 546 30	−14.849 118 62	5.31	6.56	1.45	0.72	0.55	0.77	0.86	0.73	−10	−26	−15	+25	− 1	+ 0	− 4	+23	+12	−26	0	−0.35
79693	16 15 51.82	+03 04 05.8	8.92	H	243.965 901 12	+03.068 286 98	3.12	−17.33	−9.26	1.30	0.89	1.32	1.73	1.74	−57	−23	− 1	+42	−35	+ 7	−25	+48	− 1	−67	0	−1.13
79694	16 15 51.94	−47 34 26.7	8.42	H	243.966 401 44	−47.574 074 26	8.84	−1.74	−3.09	0.87	0.62	1.08	0.96	0.77	− 3	−29	−17	+ 8	− 6	+ 6	+ 1	+41	−16	−10	0	3.05
79695	16 15 52.39	+13 59 43.6	8.42	H	243.968 294 58	+13.995 453 64	6.46	−17.45	−12.97	1.07	0.80	1.38	1.01	1.01	−19	−60	+ 4	+44	−26	−19	−40	+56	+29	− 9	0	0.82
79696	16 15 53.70	−15 53 15.5	7.82	H	243.973 749 26	−15.887 642 18	4.22	−9.25	−51.17	0.96	0.73	1.10	1.12	0.89	− 7	−33	−33	+ 7	−17	+ 8	− 8	+28	−19	−25	0	−0.35
79697	16 15 54.55	+58 28 44.2	8.01	H	243.977 305 56	+58.478 943 17	13.22	2.55	19.68	0.64	0.58	0.66	0.72	0.67	+ 7	−18	− 3	− 7	+ 1	+15	+ 1	− 4	+ 3	+18	0	−0.72
79698	16 15 55.04	+35 49 14.7	9.65	H	243.979 327 64	+35.820 759 32	32.39	−197.41	164.54	0.85	0.90	1.11	1.02	1.27	+ 3	+ 7	− 7

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
79601	6.096	0.003	6.026	0.004		0.063	0.004	T	0.07	0.00	L	6.0477	0.0006	0.005	109		6.04	6.06		C			1							S
79602	10.506	0.032	9.124	0.017		1.169	0.028	T	1.13	0.03	L	9.1808	0.0022	0.020	98		9.14	9.21		C			1							
79603	9.884	0.027	9.318	0.026		0.534	0.028	T	0.61	0.03	L	9.3829	0.0022	0.016	64		9.35	9.41		C			1							
79604	9.063	0.019	7.811	0.012		1.070	0.015	G	1.03	0.01	H	7.8499	0.0018	0.012	67		7.82	7.88					1							S
79605	7.708	0.009	6.450	0.007		1.085	0.006	G	1.05	0.01	H	6.4820	0.0011	0.007	53		6.47	6.50		C			1							S
79606	10.109	0.040	9.249	0.031		0.755	0.020	G	0.80	0.01	H	9.2961	0.0024	0.013	52		9.27	9.32		C			1 G							
79607	5.890	0.006	5.235	0.007	*	0.599	0.007	T	0.67	0.01	L	*	5.3567	0.0028	0.042	152	*	5.33	5.50		U 2 C	16147+3352	I 1	2 C	B	AB	234	6.832	0.006	1.03	0.03	S P
79608	8.275	0.010	6.726	0.005		1.300	0.009	T	1.26	0.01	L		6.7473	0.0008	0.007	88		6.73	6.76					1							S
79609						0.730	0.126	G	0.78	0.11	R		11.3361	0.0070	0.039	79		11.25	11.40					1							G
79610	9.434	0.027	8.889	0.024	*	0.517	0.027	T	0.59	0.03	L	*	9.3491	0.0023	0.016	81	*	9.31	9.37		D	16147−3839	I 1	2 C	A	AB	42	2.204	0.006	0.46	0.03	
79611	10.476	0.025	9.755	0.022		0.648	0.025	T	0.71	0.02	L		9.8475	0.0028	0.034	169		9.79	9.91					1							G
79612	9.584	0.018	8.315	0.011		1.081	0.016	T	1.04	0.01	L		8.3933	0.0012	0.012	111		8.37	8.41		C			1							
79613	9.119	0.014	8.446	0.012		0.639	0.015	G	0.70	0.01	H		8.5205	0.0014	0.012	108		8.50	8.54		C			1							S
79614	10.453	0.039	9.592	0.029	*	0.771	0.037	T	0.81	0.03	L	*	9.4620	0.0026	0.020	84	*	9.43	9.50		D	16148+1600	I 1	2 C	A	AB	153	1.131	0.013	0.10	0.04	
79615	8.934	0.013	8.530	0.013		0.312	0.015	G	0.36	0.02	H		8.6059	0.0019	0.019	135		8.58	8.64					1							S
79616	10.757	0.060	9.985	0.050		0.687	0.059	T	0.74	0.05	L		10.0479	0.0038	0.024	67		10.01	10.08					1							G
79617	10.703	0.048	9.971	0.040		0.671	0.050	T	0.73	0.04	L		10.0426	0.0033	0.026	102		9.99	10.08		C			1							
79618	8.740	0.013	7.580	0.009		0.996	0.012	T	0.97	0.01	L		7.6289	0.0016	0.013	81		7.61	7.65		C			1							S
79619	8.713	0.011	7.916	0.009		0.722	0.011	T	0.77	0.01	L		7.9762	0.0013	0.012	112		7.96	8.00		C			1							S
79620	9.642	0.015	8.425	0.010		1.040	0.014	T	1.01	0.01	L		8.4733	0.0013	0.018	168		8.44	8.51					1							
79621	7.473	0.005	7.390	0.006		0.075	0.007	T	0.09	0.01	L		7.4129	0.0012	0.010	112		7.40	7.43					1							S
79622	6.090	0.003	6.061	0.004		0.027	0.004	T	0.04	0.00	L		6.0756	0.0005	0.005	99		6.07	6.09					1							S
79623											T		12.1947	0.0066	0.069	149		12.02	12.31					1							D
79624	10.474	0.040	9.335	0.024		0.979	0.036	T	0.96	0.03	L		9.4122	0.0016	0.017	98		9.39	9.44		C			1							
79625	12.086	0.229	10.753	0.119		1.131	0.202	T	1.09	0.21	L		10.5265	0.0242	0.166	103		10.18	10.73	3.45	P 1 A			1	S						G
79626	9.605	0.027	8.961	0.023	*	0.598	0.030	T	0.67	0.03	L	*	9.0130	0.0023	0.014	68	*	8.98	9.03		D	16149+1022	H 1	2 C	S A	AB	102	0.177	0.013	0.65	0.52	
79627	9.612	0.026	8.078	0.014		1.289	0.023	T	1.25	0.02	L		8.0964	0.0019	0.014	64		8.07	8.12		C			1							
79628	8.028	0.009	7.624	0.009		0.356	0.001	G	0.42	0.00	H		7.6833	0.0013	0.010	92		7.66	7.70		C			1							S
79629	8.470	0.012	7.752	0.008		0.659	0.001	G	0.72	0.00	H		7.8069	0.0010	0.012	101		7.79	7.83		C	16150+6040	I 1	1							S
79630	10.679	0.056	8.402	0.016		1.922	0.048	T	2.54	0.09	O		8.2316	0.0023	0.019	70		8.20	8.27					1							
79631	7.187	0.006	7.167	0.006		0.019	0.007	T	0.04	0.01	L		7.1749	0.0010	0.008	81		7.16	7.19		C			1							S
79632	9.017	0.012	8.617	0.012		0.410	0.015	G	0.48	0.02	H		8.6522	0.0015	0.014	131		8.63	8.68		C			1							S
79633	8.533	0.014	8.175	0.014		0.344	0.014	G	0.40	0.02	H		8.2215	0.0031	0.019	50		8.20	8.26					1							S
79634	7.938	0.010	7.589	0.013		0.331	0.015	T	0.39	0.02	L		7.6290	0.0015	0.010	65		7.61	7.65					1							S
79635	11.077	0.049	10.589	0.053		0.609	0.020	G	0.68	0.02	H		10.5708	0.0032	0.023	111		10.54	10.62		C			1							G
79636	8.535	0.010	7.877	0.009		0.603	0.005	G	0.67	0.00	H		7.9261	0.0010	0.010	132		7.91	7.95					1							S
79637	9.600	0.017	8.712	0.013		0.791	0.016	T	0.82	0.01	L		8.7719	0.0014	0.015	140		8.74	8.80					1							
79638	9.382	0.018	8.081	0.011		1.106	0.016	T	1.07	0.02	L		8.1527	0.0016	0.012	104		8.13	8.18					1							S
79639	9.745	0.013	9.157	0.012		0.549	0.016	T	0.62	0.01	L		9.2270	0.0016	0.022	222		9.19	9.27					1							
79640	10.012	0.026	9.535	0.026		0.462	0.029	T	0.53	0.03	L		9.5666	0.0026	0.022	107		9.52	9.60					1							G
79641	10.213	0.028	9.016	0.018		1.025	0.026	T	1.00	0.02	L		9.0417	0.0023	0.020	100		9.01	9.07					1							
79642	11.467	0.153	9.632	0.050		1.705	0.214	G	1.78	0.26	K		9.3479	0.0026	0.021	105		9.31	9.38		C			1							
79643	10.105	0.031	9.558	0.031		0.568	0.015	G	0.64	0.01	H		9.6387	0.0025	0.019	89		9.61	9.68					1							
79644	11.195	0.061	10.351	0.045		0.742	0.058	T	0.79	0.04	L		10.3374	0.0028	0.028	113		10.27	10.38					1							G
79645	8.516	0.014	8.000	0.013		0.529	0.015	G	0.60	0.02	H		8.0354	0.0013	0.010	55		8.02	8.05		C			1							S
79646	9.985	0.028	8.238	0.013		1.580	0.015	G	1.55	0.01	J		8.1922	0.0014	0.015	103		8.17	8.22					1							
79647	9.235	0.013	7.974	0.008		1.075	0.012	T	1.04	0.01	L		8.0236	0.0012	0.014	127		8.00	8.06		C			1 G							S
79648	10.595	0.056	9.102	0.027		1.256	0.049	T	1.21	0.05	L		9.1012	0.0021	0.013	46		9.08	9.13		C			1							
79649	8.809	0.011	9.035	0.016		−0.208	0.006	G	−0.22	0.01	H		9.0049	0.0017	0.018	111		8.97	9.04		C			1							
79650	9.781	0.035	8.662	0.024		0.964	0.033	T	0.95	0.03	L		8.6956	0.0027	0.015	42		8.67	8.71		C			1							
79651	8.600	0.010	7.368	0.006	*	1.052	0.009	T	1.02	0.01	L	*	7.4202	0.0011	0.011	133	*	7.40	7.44		C	16152+3443	H 1	2 C	C	AB	141	0.374	0.036	3.87	0.23	S
79652	10.173	0.023	8.531	0.011		1.350	0.015	G	1.32	0.02	H		8.5529	0.0016	0.017	152		8.52	8.58		C			1							
79653	4.990	0.002	5.113	0.002		−0.114	0.003	G	−0.10	0.00	H		5.0990	0.0005	0.005	106		5.09	5.11					1							S
79654	9.148	0.020	7.845	0.013		1.107	0.019	T	1.07	0.02	L		7.9004	0.0018	0.010	54		7.88	7.92		C			1							S
79655	10.696	0.039	9.114	0.017		1.330	0.015	G	1.33	0.09	H		9.1336	0.0018	0.019	115		9.10	9.17		C			1							
79656	9.920	0.024	9.319	0.022		0.560	0.029	T	0.63	0.03	L		9.3849	0.0036	0.025	100		9.34	9.43					1							
79657	8.308	0.019	7.916	0.017	*	0.371	0.023	T	0.43	0.03	L	*	8.1519	0.0015	0.013	108	*	8.13	8.18		D	16153+0416	I 1	2 C	A	AB	80	1.906	0.003	0.18	0.01	S
79658	8.278	0.010	7.602	0.008		0.614	0.010	T	0.68	0.01	L		7.6581	0.0009	0.007	79		7.64	7.67		C			1							S
79659	10.640	0.032	9.111	0.015		1.306	0.029	T	2.94	0.06	O		8.8048	0.0089	0.082	144		8.70	8.99		U 2			1	S						
79660	10.319	0.039	8.638	0.017		1.404	0.034	T	1.38	0.04	L		8.6451	0.0018	0.015	95		8.62	8.67		C			1							
79661	7.590	0.005	6.268	0.003		1.114	0.004	G	1.08	0.00	H		6.3062	0.0008	0.008	130		6.29	6.32		C			1							S
79662	9.591	0.022	9.299	0.026		0.278	0.032	T	0.32	0.04	L		9.3880	0.0026	0.017	68		9.36	9.41					1							
79663	8.411	0.012	7.726	0.010		0.616	0.015	G	0.68	0.01	H		7.8180	0.0013	0.009	58		7.80	7.84					1							S
79664	5.266	0.003	3.974	0.002		1.105	0.005	G	1.03	0.02	A		4.0248	0.0004	0.005	124		4.02	4.03		C	16155−6341	I 1	1							S
79665	10.192	0.029	9.368	0.022		0.727	0.028	T	0.78	0.02	L		9.4667	0.0022	0.021	97		9.44	9.52					1							G
79666	7.158	0.004	5.833	0.003		1.126	0.005	G	1.09	0.06	F		5.8831	0.0007	0.007	138		5.87	5.90		C			1							S
79667	7.700	0.011	7.510	0.009		0.155	0.015	G	0.17	0.01	H		7.5319	0.0016	0.009	50		7.52	7.55		C			1	S						S
79668	10.781	0.034	9.912	0.025	A	0.730	0.126	G	0.79	0.07	B	*	9.7967	0.0027	0.031	197	*	9.75	9.85		D	16156+1944	I 1	2 C	A	AB	260	1.637	0.007	1.21	0.03	
79669	8.640	0.018	7.839	0.016	*	0.725	0.018	T	0.78	0.01	L	*	8.0428	0.0010	0.012	145	*	8.02	8.06		D	16156−5641	I 1	2 C	A	AB	49	1.635	0.004	1.41	0.02	
79670	11.575	0.157	10.502	0.095		1.000	0.015	G	1.05	0.02	I		10.5734	0.0038	0.023	42		10.46	10.63		C			1							G
79671	11.002	0.055	9.148	0.020		1.541	0.046	T	1.60	0.10	L		9.1375	0.0018	0.020	77		9.09	9.17		C			1 G							
79672	6.298	0.005	5.562	0.004		0.652	0.009	G	0.69	0.02	A		5.6265	0.0005	0.004	47		5.62	5.63		C	16156−0822	I 1	1							S
79673	9.305	0.014	8.890	0.015		0.410	0.015	G	0.48	0.02	H		8.9381	0.0015	0.017	113		8.92	8.97					1							
79674	9.224	0.015	8.918	0.017		0.376	0.001	G	0.44	0.00	H		8.8972	0.0038	0.028	101		8.84	8.93		U 2			1							
79675	9.581	0.017	9.031	0.016		0.515	0.021	T	0.59	0.02	L		9.0784	0.0017	0.019	135		9.04	9.12		C			1							
79676	9.555	0.017	9.317	0.020		0.210	0.020	G	0.23	0.02	H		9.3550	0.0021	0.020	129		9.32	9.39					1							
79677	8.823	0.011	8.256	0.010		0.530	0.013	T	0.60	0.01	L		8.3083	0.0014	0.016	136		8.28	8.34			16157+3538	I 1	1							S
79678	9.653	0.017	8.934	0.015		0.661	0.018	T	0.72	0.01	L		8.9876	0.0030	0.028	105		8.95	9.05		U 2			1							
79679	10.170	0.034	9.578	0.031		0.609	0.015	G	0.68	0.01	H		9.6469	0.0035	0.020	66		9.61	9.68		C			1							
79680	9.267	0.013	9.185	0.017		0.081	0.020	T	0.09	0.02	L		9.2109	0.0018	0.021	132		9.17	9.25		C			1 G							
79681	12.048	0.187	10.108	0.054		1.610	0.155	T	1.63	0.16	L		10.0691	0.0024	0.022	52		10.03	10.11		C			1							
79682	9.503	0.016	8.820	0.014		0.620	0.016	T	0.69	0.01	L		8.8692	0.0020	0.019	124		8.84	8.90			16158−8407	I 1	1	S						
79683	9.709	0.015	8.431	0.009		1.088	0.014	T	1.05	0.01	L		8.5063	0.0014	0.018	194		8.47	8.54					1							
79684	8.679	0.011	7.830	0.009		0.767	0.015	G	0.81	0.01	H		7.8877	0.0013	0.011	99		7.87	7.91		C			1							
79685	7.414	0.006	6.987	0.007		0.403	0.009	T	0.47	0.01	L		7.0388	0.0010	0.008	105		7.03	7.06					1							S
79686	7.884	0.006	6.292	0.003		1.334	0.005	T	1.30	0.01	L		6.2963	0.0007	0.008	210		6.28	6.31					1							S
79687	8.741	0.013	7.973	0.011		0.740	0.006	G	0.79	0.00	H		8.0295	0.0015	0.010	64		8.00	8.05		C			1							S
79688	10.151	0.031	9.016	0.020		0.969	0.029	T	0.95	0.02	L		8.9993	0.0031	0.029	76		8.96	9.05		U 2			1							
79689	5.785	0.003	5.639	0.003		0.137	0.004	G	0.15	0.00	H		5.6687	0.0005	0.006	127		5.66	5.68					1							S
79690	8.464	0.013	8.134	0.013		0.345	0.015	G	0.40	0.02	H		8.1792	0.0011	0.009	55		8.16	8.20					1							S
79691	8.727	0.011	7.138	0.006		1.332	0.010	T	1.30	0.01	L		7.1509	0.0013	0.011	116		7.13	7.17					1							S
79692	6.196	0.004	6.095	0.005		0.098	0.006	T	0.11	0.01	L		6.1274	0.0013	0.007	61		6.12	6.14		C			1							S
79693	10.419	0.031	9.063	0.017		1.149	0.028	T	1.11	0.03	L		9.0847	0.0019	0.021	111		9.05	9.12		C			1							
79694	8.821	0.019	8.453	0.019		0.359	0.023	T	0.42	0.03	L		8.5072	0.0019	0.015	111		8.48	8.53					1							
79695	8.712	0.011	8.435	0.011		0.264	0.015	T	0.30	0.02	L		8.4942	0.0021	0.015	95		8.48	8.53		C			1							S
79696	9.731	0.024	7.960	0.011		1.476	0.021	T	1.49	0.03	L		7.9489	0.0017	0.013	67		7.92	7.97					1							
79697	8.597	0.013	8.070	0.012		0.500	0.015	G	0.57	0.02	H		8.1198	0.0013	0.011	99		8.10	8.14		C			1							S
79698	11.220	0.061	9.785	0.027		1.227	0.020	G	1.38	0.04	I		9.7682	0.0023	0.022	127		9.73	9.82					1							
79699											T		10.6036	0.0059	0.036	58		10.51	10.66		C	16160+1126	I 2	1 X							G G
79700											T		12.0668	0.0065	0.076	124		11.84	12.17		U			1 X	S						G G

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)																						Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ $\alpha*$	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$										F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr		%																					
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28													29	30
79701	16 16 56.57	+35 52 14.6	8.01	H	243.985 722 53	+35.870 717 90		2.26	−3.82	−3.98	0.60	0.64	0.82	0.72	0.87	+ 2	+10	− 5	+ 4	− 1	− 6	− 2	+ 1	− 1	− 1														0	0.85
79702	H 16 15 56.96	+07 21 29.6	8.70	H	243.987 319 12	+07.358 209 79	A	38.84	172.58	−474.92	2.67	2.31	2.96	2.65	2.14	−38	− 7	−12	+ 2	+ 6	+21	+11	− 3	−13	−23														0	1.82
79703	16 15 58.88	+06 02 03.5	8.42	H	243.995 343 09	+06.034 311 87		3.61	−27.45	17.09	0.95	0.78	1.13	1.09	1.09	−45	−31	+ 8	+21	−12	− 5	−10	+13	− 3	−41														0	−1.83
79704	16 15 59.88	+11 25 30.6	7.26	H	243.999 502 88	+11.425 159 15		3.47	−44.42	44.80	0.98	0.75	1.22	1.22	1.16	−25	−44	+ 6	+18	+ 5	− 2	+14	+ 5	−17	−16														0	−0.25
79705	16 16 00.10	−61 52 58.2	10.10	G	244.000 411 47	−61.882 824 80		1.33	−6.91	−6.57	1.96	2.09	3.29	2.43	2.64	− 4	− 3	−15	+ 3	− 7	− 1	− 4	+20	−32	−13														0	
79706	H 16 16 03.71	−30 37 18.3	7.73	H	244.015 477 90	−30.621 757 05	A	5.34	−15.80	−15.46	3.04	2.11	1.59	1.64	1.12	− 6	−16	−14	+10	+21	+ 1	+10	+35	−26	+39														1	0.26
79707	16 16 03.73	+20 29 33.2	8.33	H	244.015 529 45	+20.492 566 33		2.81	3.01	−5.05	0.79	0.77	1.19	0.76	1.10	+ 7	+ 9	+15	−46	−45	− 3	−44	+29	−14	−11														0	0.40
*79708	16 16 03.75	+00 51 05.4	10.64	H	244.015 636 03	+00.851 489 30		−0.44	−9.52	−2.89	1.94	1.23	2.01	2.39	1.94	−37	−28	− 2	− 7	+18	+ 3	+22	−13	− 6	−37														0	1.77
*79709	16 16 03.73	−66 13 41.0	9.52	H	244.015 556 45	−66.228 052 37		3.50	−1.27	−8.29	0.84	0.93	1.44	1.03	1.16	+11	−11	+ 2	−19	+15	+ 4	+18	+28	+11	+ 1														2	0.29
79710	16 16 03.85	−49 04 29.1	8.42	H	244.016 059 42	−49.074 756 74		9.68	−19.27	−31.20	1.07	0.70	1.23	1.21	0.90	+21	−29	−25	+18	+18	+ 7	+27	+50	−23	+12														2	1.58
79711	16 16 04.11	−14 52 39.8	9.68	G	244.017 131 42	−14.877 712 15		8.58	−33.16	−50.19	1.49	1.19	1.60	1.87	1.68	−29	−25	+ 0	+ 7	+ 2	− 4	+ 0	+15	+14	−41														0	−2.59
79712	16 16 04.73	+02 18 08.2	9.60	2 H	244.019 710 76	+02.302 279 40		3.68	9.00	−13.21	1.57	1.08	1.64	1.92	1.77	−51	− 8	−15	+38	−21	+14	−12	+31	−24	−52														2	0.91
79713	H 16 16 05.43	+29 36 27.7	8.79	H	244.022 628 52	+29.607 688 22	A	6.91	4.71	−31.08	1.10	1.39	1.72	1.19	1.56	+ 8	+ 2	+ 8	+31	+ 8	− 2	+15	+ 1	−18	+ 5														1	0.56
79714	16 16 06.02	+75 08 34.3	9.05	H	244.025 079 88	+75.142 858 03		1.60	−2.23	9.75	0.71	0.72	0.75	0.79	0.83	+15	−18	−10	−26	− 9	− 6	−10	+ 5	− 2	+17														0	1.16
79715	16 16 06.53	−52 48 52.3	8.35	H	244.027 210 93	−52.814 526 62		18.07	−115.57	−9.08	0.87	0.74	1.16	1.11	1.02	−11	− 3	−10	+14	−16	+ 2	−15	+35	−28	−13														0	−0.22
79716	16 16 09.01	−43 07 31.8	6.92	H	244.037 533 64	−43.125 505 91		7.49	8.85	−10.98	0.70	0.51	0.91	0.87	0.80	− 1	−25	−30	+10	−22	+ 4	− 5	+44	−11	−47														0	−0.17
79717	16 16 11.08	−00 57 00.0	9.82	G	244.046 178 01	−00.950 010 77		9.28	−32.52	73.70	1.48	1.08	1.57	1.63	1.26	− 6	−28	−11	+21	+ 4	+ 3	+ 7	+11	− 8	− 9														0	−1.28
79718	16 16 11.73	+60 53 23.8	8.19	H	244.048 887 10	+60.889 939 72		4.39	−13.81	−4.68	0.65	0.63	0.69	0.63	0.68	+10	− 3	+ 3	−25	−18	− 6	−18	−20	−15	+ 1														2	1.47
79719	16 16 12.01	+40 21 22.8	9.25	H	244.050 059 42	+40.356 327 76		2.86	0.86	−0.13	0.82	0.83	1.06	0.91	0.91	− 5	− 4	−23	−24	+ 6	− 3	+ 6	− 8	+ 8	−12														1	2.15
79720	16 16 14.56	+19 31 26.9	7.80	H	244.060 681 22	+19.524 125 51		22.10	31.71	265.71	0.78	0.63	0.96	0.98	1.03	+13	−22	− 9	+29	−23	+ 3	−21	+54	−13	− 8														0	−0.30
79721	16 16 14.62	+54 12 57.1	9.97	H	244.060 931 48	+54.215 860 63		5.41	−68.11	−58.05	0.95	0.88	0.99	1.13	1.07	+13	− 3	−11	−13	+ 5	− 6	+ 4	+ 3	− 8	+24														0	−0.87
79722	16 16 15.12	−29 14 32.4	9.13	H	244.062 992 84	−29.242 345 98		3.50	−20.48	−1.68	1.19	0.78	1.29	1.57	1.07	−23	− 2	−12	−10	+22	+ 3	+24	+11	− 4	−29														0	−0.56
79723	16 16 16.28	+17 46 20.2	9.08	H	244.067 843 31	+17.772 264 85		9.23	−40.74	−11.63	1.08	0.85	1.50	1.03	1.20	− 1	−56	−14	+19	−24	− 1	−12	+48	−14	−22														0	0.96
79724	16 16 16.73	+23 07 21.9	6.57	H	244.069 701 63	+23.122 756 48		7.51	−12.87	−12.41	0.49	0.49	0.73	0.60	0.66	+26	−15	− 3	−24	−23	+ 6	−23	+ 4	−10	+27														0	0.05
79725	16 16 16.91	−45 23 21.0	8.14	H	244.070 463 20	−45.389 153 86		5.23	−15.74	−43.79	0.85	0.67	1.11	1.01	0.94	−18	−13	−22	− 4	−12	− 9	− 8	+38	−26	−26														0	1.32
79726	16 16 17.40	+28 33 36.2	8.99	H	244.072 519 52	+28.560 069 41		9.25	55.25	−91.75	0.66	0.78	1.11	0.73	0.99	+17	−11	− 4	+14	+22	+13	+25	+14	− 3	+13														0	3.97
79727	16 16 18.27	+64 16 23.9	8.62	H	244.076 120 35	+64.273 295 87		3.32	−4.73	−7.29	0.67	0.72	0.73	0.64	0.77	+ 8	− 8	+ 6	− 8	+17	+ 8	+17	+30	−17	+16														0	−2.21
79728	16 16 18.58	−23 09 46.5	8.40	H	244.077 433 17	−23.162 903 50		1.88	−15.82	−88.29	1.02	0.63	1.18	1.16	0.87	−33	−16	+ 5	− 7	+ 5	− 8	+ 6	+28	−24	−20														0	−1.09
79729	16 16 18.69	−01 39 06.2	8.61	H																																		
79730	16 16 19.68	−01 38 53.5	7.07	G	244.081 986 66	−01.648 203 42		21.47	−123.82	28.51	0.98	0.69	1.01	1.01	0.80	−18	−47	+11	+22	+ 8	− 2	+ 4	+10	+ 6	−15														0	−0.05
79731	16 16 20.38	−30 42 02.6	9.64	H	244.084 926 05	−30.700 727 91		7.87	9.77	−4.10	1.30	0.89	1.54	1.49	1.20	−32	−28	− 1	+ 2	− 4	− 5	+ 3	+32	−28	−27														0	−0.90
79732	H 16 16 20.41	−18 35 55.0	8.29	H	244.085 036 00	−18.598 623 40	*	7.25	21.78	−47.82	5.45	2.51	2.04	1.80	1.44	−47	−23	−29	+ 4	− 7	− 2	− 9	+35	− 9	− 8														1	0.58
79733	16 16 21.93	−28 09 50.4	9.14	G	244.091 359 38	−28.163 986 54		4.01	−10.08	−14.03	1.10	0.79	1.38	1.26	1.04	− 4	−32	−41	+ 1	−20	+21	+ 3	+44	−35	−37														0	0.58
*79734	16 16 22.95	−25 03 46.5	8.39	G	244.095 627 80	−25.062 917 80	A	4.07	−14.90	−26.57	1.55	1.08	1.75	1.48	1.30	−27	+ 5	−39	− 2	−14	+ 2	−18	+45	−40	−23														3	1.40
*79735	16 16 22.92	−65 05 06.8	9.00	H	244.095 491 61	−65.085 209 36		21.08	−63.15	−85.57	0.77	0.83	1.29	0.86	1.02	−17	+ 1	+ 3	−37	−14	− 7	− 4	+36	+ 8	−33														0	−1.38
79736	16 16 23.11	−53 18 46.1	10.09	G	244.096 281 91	−53.312 801 05		2.25	−0.38	−14.86	1.71	1.20	2.25	2.56	1.86	+16	−17	−29	+ 0	+ 5	−22	− 5	+36	−32	+44														2	−0.08
79737	16 16 23.95	+08 02 09.7	7.47	H	244.099 781 73	+08.036 022 29		4.17	−14.79	−16.03	0.82	0.63	0.90	1.03	0.91	−20	−25	− 3	+35	− 1	+ 3	+ 1	+30	+ 1	−14														0	−1.19
79738	16 16 24.86	−32 34 40.8	9.32	H	244.103 573 49	−32.578 000 23		3.24	−22.04	−22.38	1.30	1.22	1.69	1.82	1.63	−37	− 1	−46	+39	−36	+44	−17	+68	−56	−51														0	0.21
79739	16 16 25.18	−24 59 19.3	7.92	1 H	244.104 917 37	−24.988 686 68		5.56	−11.43	−22.65	0.95	0.64	1.16	0.97	0.93	−41	−33	− 4	+13	−20	+ 0	− 5	+41	−40	−37														0	−1.69
79740	16 16 26.70	−24 16 55.0	6.70	H	244.111 265 39	−24.281 944 15		3.79	−14.09	−0.29	0.82	0.62	0.96	0.87	0.88	−44	−22	− 8	+20	−34	+15	−23	+52	−40	−47														0	1.31
79741	16 16 28.10	−36 44 53.3	9.19	H	244.117 066 95	−36.748 151 80		15.33	64.69	−4.35	1.17	0.82	1.32	1.27	1.13	−32	−28	+ 2	− 3	− 1	−18	+10	+21	+ 0	−54														0	1.55
79742	16 16 28.38	−38 44 12.1	9.16	H	244.118 263 23	−38.736 692 46		7.10	−17.64	−30.06	1.17	0.99	1.46	1.64	1.42	−38	+13	−34	−16	−15	−25	− 9	+42	− 9	−61														0	0.14
79743	16 16 28.72	−21 14 13.6	12.13	G	244.119 677 06	−21.237 117 15		5.36	1.44	−5.31	4.07	2.56	4.34	5.31	3.68	−38	+12	−20	+38	− 1	+ 9	− 9	+58	−33	− 8														0	−1.95
79744	16 16 29.83	+10 16 05.1	8.45	H	244.124 271 25	+10.268 072 60		4.85	−8.02	−25.27	1.05	0.88	1.36	1.17	1.26	−43	−46	+20	+19	− 5	− 7	+ 3	+18	−12	−22														0	0.51
79745	16 16 30.23	−46 58 18.0	10.06	H	244.125 943 85	−46.971 654 16		7.37	13.61	8.39	1.48	1.04	2.00	1.64	1.35	−13	−17	− 9	+ 9	−11	−26	− 7	+39	−30	− 9														0	1.92
79746	16 16 31.08	−63 35 58.3	8.80	H	244.129 491 92	−63.599 533 38		7.11	−19.33	−54.12	0.69	0.80	1.05	0.84	0.98	−17	−13	+ 3	+12	− 5	− 3	− 5	+53	− 4	−15														0	0.66
79747	16 16 32.26	−78 08 00.0	9.18	2 H	244.134 398 43	−78.133 336 89		1.15	−1.64	−5.60	0.74	0.76	0.96	0.73	0.82	+13	−29	−12	−18	−10	+10	−10	−10	+ 5	− 2														0	0.31
79748	16 16 34.95	+52 35 55.3	9.12	H	244.145 622 92	+52.598 684 23		0.68	−2.05	17.01	0.80	0.84	0.91	0.91	0.92	+ 6	+14	− 7	− 7	+ 2	−21	+ 1	− 3	− 1	+ 5														0	−1.65
79749	16 16 36.21	−10 11 22.3	8.14	H	244.150 875 40	−10.189 539 27		12.75	−29.05	−49.25	1.36	0.89	1.41	1.10	1.02	−37	−65	+10	+18	−34	+16	−21	+57	−11	−41														0	1.77
79750	16 16 38.51	−18 36 45.0	9.40	H	244.160 445 56	−18.612 501 10		10.49	−125.55	−36.16	1.65	1.21	1.92	1.73	1.27	+16	−49	−47	+17	− 3	− 3	+ 2	+32	−14	− 7														0	0.19
79751	16 16 38.82	−64 09 51.9	8.04	H	244.161 748 83	−64.164 408 90		3.50	0.24	−20.82	0.66	0.74	1.01	0.82	0.92	− 9	− 3	+ 0	+20	+ 7	−16	+ 5	+41	+ 7	− 3														0	0.56
79752	16 16 39.35	+07 41 58.0	8.04	H	244.163 970 96	+07.699 450 47		2.22	4.74	1.67	0.85	0.65	1.00	1.03	0.88	−10	−24	−21	+32	− 2	+ 5	+ 2	+20	− 7	−14														0	−1.47
79753	16 16 42.54	+38 38 42.0	7.73	H	244.177 235 99	+38.644 993 81		1.84	0.90	11.29	0.58	0.61	0.79	0.69	0.79	+ 8	− 9	−16	+ 1	− 5	+19	− 2	+ 6	+16	− 7														0	−1.08
79754	16 16 43.27	−53 48 40.0	5.45	2 H	244.180 290 83	−53.811 107 64		4.05	8.62	−0.67	0.65	0.48	0.82	0.84	0.70	+10	+ 1	− 5	−20	−22	−31	−27	+19	−27	+18														0	−0.27
79755	16 16 43.50	+67 14 19.1	8.61	1 G	244.181 236 74	+67.238 637 68		93.79	−497.89	85.88	1.11	1.12	1.21	1.44	1.33	+ 1	− 7	−32	− 8	+ 6	+ 3	+ 6	− 9	+11	+ 0														0	−2.22
79756	16 16 44.10	−03 23 00.7	9.92	G	244.183 731 91	−03.383 541 64		8.28	138.40	−125.62	2.04	1.34	1.97	2.53	1.67	+ 6	−35	−16	+53	+24	−25	+27	+21	−23	+10														0	−2.26
*79757	16 16 44.77	+29 09 01.1	5.80	H	244.186 548 28	+29.150 302 20		3.95	23.60	−17.05	0.42	0.46	0.68	0.46	0.58	+10	−17	+ 0	+13	+ 7	+ 8	+12	+15	−26	+ 4														2	0.03
*79758	16 16 44.74	−36 19 21.1	9.12	H	244.186 415 02	−36.322 526 05		6.39	−59.49	−86.98	1.14	0.92	1.24	1.29	1.21	−44	−14	−23	−10	−10	− 1	+ 0	+27	−14	−66														0	1.66
79759	16 16 44.79	+36 30 39.7	8.12	2 H	244.186 624 22	+36.511 027 74		10.15	8.52	−30.15	0.59	0.63	0.83	0.66	0.78	+12	+11	− 8	− 9	− 2	− 2	+ 0	− 2	+19	+15														0	−1.98
79760	16 16 45.31	−12 32 37.3	9.44	H	244.188 799 51	−12.543 698 44		6.33	−2.26	−5.87	1.42	1.04	1.55	1.54	1.31	−15	−33	+ 0	+10	− 3	− 4	+ 2	+25	− 5	−27														0	−1.17
79761	16 16 45.42	+57 18 00.4	8.41	H	244.189 229 54	+57.300 103 93		3.20	−17.02	−35.37	0.67	0.67	0.73	0.80	0.73	+ 5	− 2	− 7	+ 8	+ 9	− 4	+ 8	+13	−18	+ 4														0	−1.88
*79762	16 16 46.04	+67 15 21.7	10.69	2 G	244.191 849 00	+67.256 026 68		93.14	−485.59	90.73	1.27	1.32	1.38	1.70	1.68	+ 8	−16	−21	−13	− 1	+ 4	− 1	− 6	+ 9	+ 0														0	−0.92
*79763	16 16 45.99	−08 25 47.2	8.56	2 H	244.191 609 86	−08.429 786 21		1.06	7.50	−3.45	1.10	0.77	1.17	1.35	0.93	+ 4	−28	−14	+19	+ 3	+24	+ 5	+25	+ 1	+ 1														0	1.00
79764	H 16 16 46.07	+14 47 25.8	8.57	H	244.191 974 78	+14.790 495 82	A	6.11	−54.77	−34.39	1.55	1.15	1.54	1.82	1.37	− 6	−35	+12	+26	−19	−31	−11	+22	− 7	+18														1	−0.06
79765	16 16 46.47	+40 02 17.9	6.76	H	244.193 640 24	+40.038 310 05		4.05	−14.96	25.23	0.46	0.52	0.61	0.53	0.64	− 5	− 4	−18	− 5	−11	+ 5	− 9	+ 7	+ 3	−21														0	1.08
79766	16 16 48.11	−11 50 28.1	10.13	G	244.200 456 78	−11.841 144 59		3.09	1.68	5.59	1.86	1.30	2.03	2.07	1.72	− 1	−36	−17	+ 7	− 6	−11	− 2	+28	− 3	−25														0	−2.10
79767	16 16 48.27	+13 21 01.8	8.12	H	244.201 145 13	+13.350 508 86		2.71	−18.09	2.89	0.96	0.81	1.32	1.06	1.00	−23	−50	+13	+39	−26	−26	−35	+56	+17	+ 2														0	0.08
79768	16 16 48.28	−05 29 48.3	7.20	H	244.201 162 39	−05.496 757 59		6.06	−19.96	−13.34	0.89	0.71	1.04	1.15	1.01	+ 3	−11	−40	+29	+29	−24	+16	− 4	+33	−32														0	1.76
79769	16 16 49.81	+03 46 22.3	9.25	H	244.207 532 31	+03.772 854 85		6.24	−30.04	−30.38	1.56	1.74	2.11	2.44	2.48	−28	−24	−58	+14	+56	−40	+16	−56	+35	−72														0	−0.46
*79770	16 16 50.65	−74 08 56.3	9.18	H	244.211 021 24	−74.148 960 49		9.77	2.71	−38.87	0.71	0.82	1.04	0.89	1.10	+23	− 3	− 1	−17	−13	−14	−14	+ 2	−18	+28														0	−0.59
*79771	16 16 50.63	−25 51 46.5	8.37	H	244.210 968 68	−25.862 918 46		6.86	−10.72	−23.51	0.89	0.63	0.99	0.98	0.85	−26	−28	−11	+16	− 4	+13	+ 8	+34	−26	−36														0	1.93
79772	16 16 51.30	+27 50 01.8	9.21	H	244.213 731 50	+27.833 841 47		0.97	−8.23	11.05	0.72	0.92	1.28	0.74	1.13	+27	− 8	−17	−20	+10	+13	+12	+16	+ 0	+33														0	1.80
79773	H 16 16 51.43	+19 48 05.5	8.44	H	244.214 277 59	+19.801 529 55	A	2.91	2.45	−19.17	1.11	1.20	1.46	1.14	1.68	−20	−20	−17	− 8	−62	+25	−44	+65	− 7	−55														0	0.18
79774	H 16 16 52.46	+01 13 17.2	9.41	G	244.218 570 75	+01.221 430 95	A	8.61	−49.56	18.57	5.30	3.42	3.85	5.58	3.52	−31	− 5	−20	+16	−20	− 1	−23	+34	−10	−12														1	0.80
79775	16 16 52.55	−29 44 37.3	7.60	G	244.218 970 38	−29.743 698 94		0.81	−2.89	−6.13	0.91	0.60	0.97	1.18	0.82	−28	−18	− 7	− 6	+32	+ 5	+34	+ 2	− 2	−33														0	0.81
79776	16 16 52.99	+60 32 05.6	8.20	H	244.220 812 44	+60.534 899 47		16.65	107.60	3.10	0.62	0.63	0.68	0.72	0.71	+ 6	+ 7	−11	−11	−15	+18	−13	− 8	−14	−11														3	−0.78
79777	16 16 53.11	−49 51 24.0	7.63	H	244.221 310 71	−49.856 673 20		35.85	−20.34	−32.65	0.98	0.66	1.02	1.26	0.92	+37	−22	−20	+44	+36	+ 9	+42	+59	−19	+38														0	0.84
79778	16 16 53.16	−60 53 18.5	8.44	H	244.221 480 03	−60.888 459 31		3.45	−10.87	−16.08	0.58	0.73	1.06	0.72	0.90	−19	−11	−26	+22	−15	+ 3	−13	+53	−19	−21														0	1.30
79779	16 16 53.38	−23 06 37.5	8.68	H	244.222 432 79	−23.110 419 71		10.06	−6.82	−23.64	1.05	0.63	1.19	1.22	0.85	−16	−12	− 7	−13	+ 1	−20	+ 0	+24	−29	+ 9														2	1.48
*79780	16 16 55.29	−71 54 23.2	8.03	H	244.230 365 73	−71.906 437 37		4.63	1.06	−50.25	0.53	0.65	0.87	0.64	0.78	+18	−19	+ 7	+ 5	+ 3	+ 6	+ 3	+12	+ 4	+18														0	0.42
*79781	16 16 55.28	−03 57 12.1	6.18	H	244.230 328 57	−03.953 364 81		21.00	38.91	6.67	1.08	0.71	0.93	1.26	0.88	+31	−28	−28	+61	+41	−16	+35	+30	+ 0	+10														4	−1.60
79782	16 16 55.47	+27 17 48.5	8.92	H	244.231 121 55	+27.296 796 62		3.15	−3.67	−14.58	0.67	0.81	1.14	0.80	0.93	+19	−10	−14	−23	+ 2	−12	+ 0	− 8	−12	+28														0	−0.71
79783	16 16 57.55	+18 50 45.7	7.44	H	244.239 805 45	+18.846 039 22		3.16	18.42	1.38	0.73	0.59	0.89	0.90	0.90	+16	−23	−11	+46	− 5	+ 3	− 5	+56	−12	+ 4														0	−0.06
79784	16 16 57.73	−43 01 58.9	9.28	H	244.240 524 14	−43.033 026 93		2.07	−10.32	−33.21	1.21	1.00	1.56	1.63	1.66	−25	−27	−24	+19	−38	+ 9	−16	+65	−20	−59														0	−0.98
79785	16 16 58.78	−21 18 14.7	6.61	H	244.244 898 35	−21.304 069 46		7.99	−14.28	−25.42	0.77	0.52	0.87	0.96	0.71	−33	+ 2	−21	+19	− 1	+ 5	− 5	+48	−30	−18														2	2.59
79786	16 16 58.87	−80 48 00.8	7.15	H	244.245 289 06	−80.800 213 15		4.87	−14.68	−15.46	0.48	0.54	0.63	0.52	0.62	+ 9	−22	− 2	+ 8	−10	− 6	−13	+ 2	+10	+ 3														0	−1.61
79787	H 16 16 58.99	−53 41 45.5	6.40	G	244.245 777 01	−53.695 959 14	A	13.84	−58.94	−113.01	1.20	0.93	1.16	1.37	1.06	+ 5	− 5	−11	−14	−11	−24	−24	+29	−26	+33														3	1.32
79788	16 16 59.20	−20 06 14.7	6.40	H	244.246 674 64	−20.104 070 73		5.17	−5.79	−7.06	0.83	0.59	0.93	0.97	0.77	−28	−17	−18	+18	−13	+19	− 7	+42	−26	−21														0	0.97
79789	16 16 59.93	−45 22 17.1	9.70	H	244.249 690 49	−45.371 407 78		12.85	−6.13	3.62	1.37	0.88	1.65	1.61	1.26	− 1	− 9	−12	+ 0	+15	+ 0	+21	+31	−16	− 6														0	0.14
79790	16 17 00.94	−50 04 05.2	4.97	G	244.253 897 98	−50.068 112 24		2.27	−2.24	−3.96	0.83	0.58	0.90	1.01	0.75	+29	−18	−26	+45	+24	+20	+36	+58	−23	+

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
79701	9.917	0.023	8.180	0.011		1.449	0.020	T	1.45	0.03	L	8.1421	0.0017	0.014	126		8.12	8.17					1							S
79702	9.611	0.032	8.617	0.019	*	1.116	0.002	G	1.20	0.00	I *	8.8266	0.0018	0.014	79	*	8.80	8.85		D	16160+0721	I 1	2 C A	AB	21	3.101	0.003	0.38	0.02	
79703	9.978	0.024	8.532	0.013		1.219	0.021	T	1.18	0.02	L	8.5824	0.0012	0.015	93		8.56	8.61		D			1							
79704	8.528	0.013	7.370	0.009		0.994	0.012	T	0.97	0.01	L	7.4245	0.0015	0.010	58		7.41	7.44		C	16160+1126	I 2	1							S
79705	10.415	0.027	10.179	0.035		0.260	0.020	G	0.29	0.03	H	10.1533	0.0023	0.030	123		10.10	10.20		C			1 X							G
79706	8.225	0.012	7.782	0.012	*	0.418	0.016	T	0.48	0.02	L *	7.8243	0.0014	0.010	77	*	7.81	7.84		D	16161−3037	I 1	2 C A	AS	242	0.336	0.008	1.29	0.05	S
79707	9.768	0.016	8.445	0.009		1.123	0.014	T	1.09	0.01	L	8.4959	0.0016	0.018	183		8.46	8.53					1							
79708	11.345	0.097	10.696	0.089		0.531	0.107	G	0.60	0.11	R	10.7515	0.0040	0.034	73		10.68	10.83		C			1							G
79709	9.498	0.014	9.479	0.019		0.018	0.021	T	0.04	0.02	L	9.5395	0.0023	0.030	180		9.48	9.60		C			1 S							G
79710	8.824	0.013	8.457	0.014		0.358	0.017	T	0.42	0.02	L	8.5081	0.0017	0.016	98		8.48	8.54		C			1							
79711	10.367	0.040	9.737	0.036		0.573	0.015	G	0.65	0.01	H	9.8071	0.0036	0.021	58		9.78	9.85		C			1							
79712	11.503	0.082	10.017	0.033		1.270	0.073	T	2.11	0.26	K	9.6734	0.0066	0.040	104		9.59	9.74		U 2			1							
79713	9.424	0.014	8.899	0.014	A	1.200	0.495	G	0.57	0.03	L *	8.8957	0.0025	0.021	159	*	8.85	8.94		D	16161+2936	I 1	2 C A	AB	143	1.079	0.011	2.16	0.07	S
79714	10.317	0.030	9.160	0.020		0.993	0.028	T	0.97	0.02	L	9.2175	0.0014	0.015	104		9.19	9.25		C			1							
79715	9.133	0.018	8.423	0.015		0.653	0.019	T	0.72	0.02	L	8.4868	0.0022	0.017	97		8.46	8.51		C			1							
79716	8.475	0.010	7.056	0.005		1.198	0.009	T	1.16	0.01	L	7.0844	0.0010	0.010	131		7.07	7.10					1							S
79717	10.751	0.064	9.803	0.044		0.710	0.020	G	0.76	0.02	H	9.9528	0.0027	0.018	53		9.92	9.98		C			1							
79718	9.627	0.022	8.325	0.013		1.107	0.020	T	1.07	0.02	L	8.3557	0.0011	0.012	105		8.33	8.38					1							
79719	10.555	0.036	9.379	0.022		1.008	0.033	T	0.98	0.03	L	9.4144	0.0013	0.014	104		9.38	9.44		D			1							
79720	8.422	0.008	7.864	0.007		0.522	0.009	T	0.59	0.01	L	7.9162	0.0011	0.013	175		7.89	7.94					1							S
79721	10.524	0.036	9.977	0.036		0.512	0.046	T	0.58	0.05	L	10.0793	0.0024	0.019	102		10.03	10.13		C			1							
79722	10.178	0.033	9.225	0.023		0.826	0.031	T	0.85	0.02	L	9.2734	0.0022	0.015	81		9.25	9.30		C			1							
79723	9.805	0.031	9.159	0.027		0.600	0.036	T	0.67	0.03	L	9.2069	0.0020	0.016	80		9.17	9.24		C			1							
79724	7.842	0.007	6.694	0.005		0.986	0.007	T	0.97	0.01	L	6.7362	0.0008	0.007	148		6.72	6.75		C			1							S
79725	8.530	0.009	8.170	0.010		0.350	0.012	T	0.41	0.02	L	8.2262	0.0013	0.014	97		8.20	8.25					1							
79726	9.751	0.016	9.030	0.013		0.662	0.017	T	0.72	0.01	L	9.1257	0.0017	0.019	165		9.09	9.16					1							
79727	10.129	0.025	8.723	0.014		1.188	0.022	T	1.15	0.02	L	8.7878	0.0019	0.017	107		8.76	8.82		C			1							
79728	10.015	0.027	8.546	0.014		1.270	0.015	G	1.23	0.02	H	8.5608	0.0019	0.017	106		8.53	8.58		C			1							
79729											T	8.7441	0.1972	1.014	50		7.36	9.98		D	16163−0139	I 2	S							G
79730	7.648	0.011	7.124	0.008		0.521	0.015	G	0.59	0.02	H	7.1816	0.0015	0.008	52		7.16	7.19		D	16163−0139	I 2	1 S							S
79731	10.516	0.050	9.740	0.041		0.690	0.049	T	0.75	0.04	L	9.7808	0.0035	0.021	72		9.75	9.82		C			1							G
79732	9.071	0.022	8.348	0.018	*	0.650	0.021	T	0.71	0.02	L *	8.4232	0.0018	0.011	47	*	8.40	8.44			16163−1836	H 1	2 C B	AB	125	0.205	0.065	2.12	0.62	
79733	9.746	0.031	9.151	0.028		0.472	0.020	G	0.54	0.02	H	9.2547	0.0019	0.017	70		9.22	9.28		C			1							
79734	8.732	0.011	8.421	0.012	A	0.290	0.020	G	0.33	0.03	H	8.4862	0.0151	0.016	95	A	8.46	8.51		C	16164−2503	M 1	2 C B	AB	178	16.392	0.044	3.24	0.29	
79735	9.953	0.019	9.091	0.015		0.756	0.019	T	0.80	0.01	L	9.1378	0.0020	0.024	174		9.10	9.18					1							
79736	10.723	0.055	10.466	0.073		0.490	0.020	G	0.56	0.02	H	10.1590	0.0049	0.030	95		10.11	10.20					1 S							G
79737	8.682	0.011	7.570	0.008		0.958	0.011	T	0.95	0.01	L	7.6357	0.0012	0.010	84		7.62	7.65		C			1							S
79738	9.978	0.030	9.343	0.027		0.585	0.030	T	0.66	0.03	L	9.4514	0.0018	0.015	60		9.43	9.48					1							
79739	8.171	0.010	7.958	0.010		0.197	0.014	T	0.22	0.02	L	7.9839	0.0015	0.016	92		7.95	8.01		M			1							S
79740	6.882	0.004	6.729	0.005		0.147	0.006	T	0.16	0.01	L	6.7512	0.0010	0.008	87		6.74	6.77			16164−2417	I 1	1 S							S
79741	10.041	0.026	9.287	0.022		0.673	0.026	T	0.73	0.02	L	9.3202	0.0027	0.023	76		9.28	9.35		C			1							
79742	9.735	0.022	9.211	0.022		0.492	0.028	T	0.56	0.03	L	9.2735	0.0018	0.015	73		9.24	9.31		C			1							
79743											T	12.2384	0.0081	0.076	87		12.08	12.36					1 S							D
79744	9.080	0.016	8.519	0.015		0.525	0.020	T	0.60	0.02	L	8.5655	0.0020	0.014	69		8.54	8.59		C			1							S
79745	11.132	0.062	10.174	0.043		0.843	0.056	T	0.86	0.04	L	10.2159	0.0033	0.029	106		10.16	10.28		C			1							G
79746	9.352	0.032	8.878	0.032		0.446	0.041	T	0.52	0.04	L	8.9007	0.0020	0.016	125		8.87	8.94					1							
79747	9.108	0.015	9.167	0.020		−0.049	0.023	T	−0.03	0.02	L	9.1710	0.0029	0.033	134		9.12	9.22		U 2			1							P
79748	10.534	0.041	9.239	0.022		1.101	0.036	T	1.06	0.04	L	9.2918	0.0023	0.017	94		9.25	9.33		C			1							
79749	8.977	0.018	8.209	0.015		0.700	0.018	T	0.76	0.01	L	8.2793	0.0022	0.012	48		8.26	8.31		C			1							S
79750	10.183	0.042	9.415	0.034		0.700	0.042	T	0.76	0.04	L	9.5458	0.0036	0.022	44		9.51	9.58		C			1							
79751	9.268	0.018	8.152	0.012		0.953	0.015	G	0.96	0.02	A	8.2020	0.0021	0.018	128		8.17	8.23					1							
79752	9.387	0.017	8.169	0.011		1.041	0.016	T	1.01	0.01	L	8.2070	0.0016	0.012	79		8.19	8.23		C			1							S
79753	9.705	0.019	7.886	0.009		1.514	0.017	T	1.55	0.03	L	7.8471	0.0018	0.015	130		7.82	7.88					1							S
79754	7.666	0.010	5.663	0.008		1.696	0.011	T	2.32	0.05	O	5.4919	0.0077	0.040	105		5.43	5.54		U 2			1 S							S P
79755	10.338	0.035	8.740	0.016		1.409	0.010	G	1.69	0.03	I	8.6599	0.0028	0.023	102		8.63	8.70		U	16167+6715	I 2	1							
79756	10.782	0.071	10.023	0.059		0.706	0.003	G	0.76	0.00	H	10.0535	0.0024	0.023	40		10.02	10.10					1							
79757	5.863	0.002	5.791	0.003		0.063	0.013	G	0.04	0.04	D	5.8156	0.0005	0.006	166		5.81	5.83		C	16168+2909	I 1	1							S
79758	10.220	0.035	9.207	0.024		0.884	0.032	T	0.89	0.02	L	9.2750	0.0024	0.019	87		9.25	9.32		C			1							
79759	8.662	0.012	8.172	0.012		0.461	0.015	T	0.53	0.02	L	8.2211	0.0013	0.015	126		8.20	8.27		U			1							S P
79760	10.020	0.032	9.427	0.030		0.554	0.032	T	0.63	0.03	L	9.5645	0.0030	0.018	53		9.53	9.59		C			1							
79761	9.616	0.019	8.474	0.013		0.982	0.018	T	0.96	0.01	L	8.5709	0.0015	0.013	106		8.55	8.60		C			1							S
79762	12.158	0.153	10.699	0.071		1.500	0.008	G	2.07	0.06	I	10.7253	0.0044	0.032	103		10.67	10.78		U	16167+6715	I 2	1							G
79763	10.959	0.071	8.845	0.022		1.748	0.059	T	1.77	0.06	L	8.6634	0.0042	0.034	51		8.62	8.72		U 2			1 S							
79764	9.177	0.018	8.673	0.017	*	0.474	0.023	T	0.55	0.02	L *	8.6764	0.0017	0.016	81	*	8.64	8.71		D	16168+1447	H 1	2 C A	AB	60	0.997	0.016	2.44	0.08	S
79765	8.745	0.010	6.909	0.005		1.527	0.009	T	1.57	0.02	L	6.8763	0.0012	0.012	129		6.86	6.90					1							S
79766	11.074	0.094	10.202	0.066		0.788	0.015	G	0.82	0.01	H	10.2802	0.0033	0.018	40		10.24	10.30					1							G
79767	9.485	0.018	8.233	0.011		1.068	0.016	T	1.03	0.01	L	8.2921	0.0014	0.013	91		8.27	8.32		D			1							
79768	7.496	0.010	7.222	0.010		0.261	0.013	T	0.29	0.02	L	7.2683	0.0011	0.011	53		7.25	7.28		C			1							S
79769	9.968	0.023	9.313	0.022		0.608	0.027	T	0.68	0.02	L	9.3804	0.0024	0.019	111		9.34	9.43		C			1 G							
79770	9.904	0.018	9.244	0.016		0.602	0.018	T	0.67	0.02	L	9.3040	0.0023	0.025	156		9.25	9.35					1							
79771	8.754	0.012	8.432	0.013		0.309	0.019	T	0.35	0.03	L	8.4464	0.0017	0.016	99		8.41	8.48					1							
79772	10.978	0.040	9.343	0.016		1.368	0.034	T	1.34	0.04	L	9.3627	0.0026	0.029	195		9.31	9.41					1 S							
79773	9.674	0.015	8.575	0.010	*	0.949	0.014	T	0.94	0.01	L *	8.6001	0.0012	0.016	173	*	8.57	8.63		D	16169+1948	I 1	2 C A	AB	117	0.656	0.006	2.11	0.03	
79774	10.233	0.046	9.507	0.039	*	0.610	0.015	G	0.68	0.01	H *	9.5409	0.0039	0.021	54	*	9.51	9.58		D	16169+0113	I 1	2 C A	AB	61	0.449	0.008	0.11	0.03	
79775	7.816	0.008	7.664	0.011		0.177	0.004	G	0.19	0.01	H	7.6769	0.0012	0.008	79		7.66	7.69		C	16169−2945	I 1	1							S
79776	9.143	0.016	8.288	0.013		0.766	0.016	T	0.81	0.01	L	8.3536	0.0016	0.020	115		8.32	8.38					1							S
79777	8.585	0.018	7.727	0.014		0.760	0.006	G	0.80	0.01	H	7.7746	0.0017	0.016	108		7.75	7.80					1							
79778	10.188	0.024	8.572	0.012		1.353	0.021	T	1.32	0.02	L	8.5874	0.0012	0.013	139		8.56	8.62		C			1							
79779	9.195	0.016	8.717	0.016		0.457	0.011	G	0.53	0.01	H	8.7794	0.0021	0.016	99		8.76	8.81		C			1							
79780	8.302	0.008	8.052	0.008		0.234	0.011	T	0.26	0.01	L	8.0966	0.0015	0.017	174		8.07	8.12		C			1 G							S
79781	6.551	0.006	6.213	0.006		0.326	0.009	T	0.38	0.01	L	6.2553	0.0012	0.009	48		6.24	6.27					1							S
79782	10.182	0.019	9.002	0.012		1.011	0.018	T	0.99	0.01	L	9.0856	0.0025	0.028	205		9.04	9.14					1							
79783	9.450	0.016	7.595	0.007		1.542	0.014	T	1.60	0.03	L	7.5541	0.0011	0.016	166		7.53	7.58					1							S
79784	11.204	0.060	9.475	0.022		1.442	0.051	T	1.44	0.08	L	9.4137	0.0023	0.026	116		9.36	9.45					1							
79785	6.618	0.004	6.608	0.005		0.010	0.006	T	0.03	0.01	L	6.6207	0.0009	0.007	102		6.61	6.63		C			1							S
79786	8.483	0.008	7.269	0.005		1.038	0.007	T	1.01	0.01	L	7.3186	0.0011	0.010	137		7.30	7.34		C			1							S
79787	7.381	0.007	6.497	0.005	*	0.793	0.004	G	0.86	0.02	A *	6.5432	0.0009	0.009	101	*	6.53	6.56		D	16170−5342	I 1	2 C A	AB	225	0.518	0.006	1.72	0.02	S
79788	8.077	0.011	6.567	0.006		1.270	0.010	T	1.23	0.01	L	6.5607	0.0012	0.010	77		6.55	6.58					1							S
79789	10.618	0.033	9.758	0.026		0.754	0.032	T	0.80	0.02	L	9.8431	0.0036	0.023	94		9.79	9.89					1							G
79790	5.936	0.003	5.059	0.002		0.788	0.010	G	0.88	0.02	A	5.1062	0.0005	0.005	105		5.10	5.12					1							S
79791	9.923	0.034	9.376	0.032		0.538	0.015	G	0.61	0.02	H	9.4259	0.0020	0.019	53		9.40	9.47		C			1							
79792	9.157	0.016	8.392	0.013		0.697	0.016	T	0.75	0.01	L	8.4660	0.0015	0.013	85		8.44	8.49		C			1							S
79793	10.070	0.026	9.462	0.024	*	0.565	0.026	T	0.64	0.02	L *	9.5207	0.0033	0.019	57	*	9.49	9.54		D	16170−3335	H 1	2 C A	AB	134	0.201	0.030	1.34	0.51	
79794	7.851	0.007	7.772	0.008		0.078	0.010	T	0.09	0.01	L	7.8147	0.0012	0.010	150		7.80	7.83		C			1							S
79795	7.904	0.007	7.851	0.009		0.054	0.011	T	0.07	0.01	L	7.8914	0.0014	0.016	139		7.87	7.92					1							S
79796	11.592	0.082	10.107	0.035		1.251	0.073	T	1.21	0.07	L	9.9998	0.0035	0.033	102		9.94	10.05		R			1 G							
79797	6.143	0.003	5.969	0.003		0.159	0.004	T	0.18	0.00	L	6.0024	0.0007	0.007	156		5.99	6.01		C			1							S
79798	7.940	0.007	7.568	0.006		0.355	0.001	G	0.42	0.00	H	7.6173	0.0017	0.021	170		7.59	7.65		U			1							S
79799	8.366	0.009	7.990	0.012		0.356	0.014	T	0.42	0.01	L	8.0329	0.0012	0.011	115		8.01	8.05		C			1							S
79800	11.101	0.053	9.346	0.019		1.463	0.045	T	1.47	0.07	L	9.3342	0.0021	0.024	115		9.30	9.38		C			1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\mu_{\alpha*}$	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr													%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
79801	16 17 12.71	+38 59 45.9	9.62	H	244.302 962 27	+38.996 087 27		8.05	3.34	−32.99	0.78	0.95	1.16	0.96	1.08	+ 9	+ 0	−31	+ 2	− 1	+18	+ 5	+ 2	+21	+ 2	0	1.25
79802	16 17 13.38	−70 59 28.9	7.08	H	244.305 754 07	−70.991 353 47		0.79	1.56	3.27	0.40	0.52	0.69	0.44	0.65	+17	−21	− 2	+ 3	+ 7	+ 7	+ 2	+21	+17	+28	0	0.05
79803	16 17 14.98	−68 48 51.5	9.11	H	244.312 421 42	−68.814 300 37		1.53	−0.58	−8.57	0.57	0.89	1.19	0.65	1.05	+20	−22	− 8	+28	− 1	− 3	− 5	+32	+13	+22	1	1.14
79804	16 17 15.34	+59 45 17.9	5.37	2 H	244.313 911 16	+59.754 961 16		4.96	6.81	25.56	0.44	0.46	0.49	0.49	0.55	+ 3	−16	− 5	− 3	− 9	+13	− 7	−15	−12	+ 2	0	−0.33
79805	16 17 15.58	+50 36 45.0	9.79	H	244.314 920 24	+50.612 513 84		3.00	−10.78	12.86	0.87	0.82	0.95	0.90	0.96	− 5	+ 5	−21	−20	+16	−19	+15	−14	+11	−11	0	−1.72
79806	16 17 15.87	−24 13 23.6	8.93	G	244.316 110 45	−24.223 218 97		4.52	−9.98	−7.83	0.99	0.67	1.13	1.09	0.93	−23	− 9	−16	+13	−12	+ 8	− 9	+43	−29	−22	0	0.24
79807	16 17 16.01	+52 22 29.6	9.06	G	244.316 723 75	+52.374 881 89		13.41	−51.81	86.35	0.78	0.79	0.88	0.90	0.93	+ 3	+24	− 7	+ 2	− 2	− 8	+ 0	+12	+ 1	−21	0	0.95
79808	16 17 17.79	−59 01 16.6	9.80	G	244.324 133 18	−59.021 278 96		15.59	−153.83	−153.51	1.00	0.94	1.52	1.14	1.06	+12	−16	−24	+22	+30	−29	+27	+32	− 4	+ 9	0	1.39
79809	16 17 18.31	+16 25 45.2	8.92	H	244.326 273 14	+16.429 227 98		7.12	−27.41	−21.91	1.30	1.17	1.40	1.48	1.42	+12	−20	−24	+58	− 6	+15	− 1	+66	−16	+ 1	0	−1.98
79810 H	16 17 18.39	+50 00 35.6	9.80	H	244.326 613 83	+50.009 894 47	*	2.89	−4.19	11.53	2.07	2.06	1.35	1.41	1.53	+ 1	−15	−20	+ 5	− 1	+ 7	− 3	−13	+12	+26	2	0.21
79811	16 17 19.11	+27 38 41.3	7.63	H	244.329 626 30	+27.644 814 00		5.53	−17.67	7.35	0.47	0.58	0.82	0.59	0.74	+20	− 3	− 9	− 9	+ 7	+ 3	+ 6	+ 5	− 5	+30	0	0.65
*79812	16 17 20.97	−53 05 10.6	6.30	H	244.337 394 54	−53.086 264 74		12.91	−59.47	−49.70	0.83	0.66	0.92	0.95	0.87	+26	−24	−33	+15	− 5	+ 7	− 2	+29	−27	− 1	0	−0.59
*79813	16 17 20.92	−15 19 40.7	7.54	H	244.337 166 19	−15.327 965 13		7.42	25.81	−13.46	0.85	0.67	0.97	1.13	1.05	−20	−32	−18	+14	−11	−18	−19	+18	+25	−51	0	0.39
*79814	16 17 20.93	+30 27 49.1	11.20	H	244.337 212 83	+30.463 637 09		2.22	12.77	−21.34	1.13	1.43	1.92	1.20	1.80	+11	+ 5	+ 1	+ 5	+ 1	+ 3	+ 2	+12	− 8	− 5	1	2.78
79815	16 17 21.24	−26 20 33.4	9.96	G	244.338 504 66	−26.342 622 72		8.07	26.04	−53.49	1.63	0.95	1.55	2.03	1.27	+13	− 6	− 1	+45	+33	+25	+37	+39	−10	+ 9	3	1.24
79816	16 17 21.76	−57 18 20.5	8.37	H	244.340 651 78	−57.305 698 94		1.03	−4.01	−13.96	0.94	0.80	1.08	1.12	1.01	+17	−11	−16	+55	+22	− 7	+26	+66	−11	+ 3	0	0.41
79817	16 17 25.70	−67 24 49.3	9.17	H	244.357 069 44	−67.413 681 12		5.04	12.25	28.25	0.87	0.95	1.33	0.99	1.09	− 4	−16	− 3	−14	−10	−21	− 5	+17	+10	−26	0	0.91
79818 H	16 17 26.93	−34 49 10.0	8.03	H	244.362 217 33	−34.819 445 54	A	10.83	33.56	82.06	2.41	1.55	2.51	2.61	1.77	−10	−10	−16	+31	+10	− 1	+12	+44	−38	− 8	8	1.58
79819	16 17 27.38	+34 16 52.5	8.22	H	244.364 099 81	+34.281 252 38		5.91	−7.86	−2.85	0.60	0.67	0.84	0.67	0.82	+15	−17	−15	+15	+ 7	−11	+ 7	+23	+ 6	−10	1	−0.72
79820	16 17 29.07	+18 47 21.9	9.29	H	244.371 126 25	+18.789 423 89		1.80	2.60	3.81	1.14	1.03	1.44	1.48	1.74	+ 2	−16	− 6	+56	−16	+10	−17	+68	−12	−14	0	0.42
79821	16 17 30.11	−06 41 16.4	9.73	H	244.375 444 34	−06.687 897 77		8.75	−15.44	−3.50	3.70	3.01	4.18	5.06	4.09	−18	−11	−25	+13	+22	+ 2	+19	−10	+19	−31	0	
79822	16 17 30.50	+75 45 16.9	4.95	H	244.377 087 68	+75.754 703 85		33.52	−89.94	257.80	0.44	0.45	0.47	0.47	0.54	+13	−24	−18	−16	−11	− 1	− 9	+11	− 1	− 1	0	0.41
79823	16 17 31.34	+61 22 07.4	8.19	H	244.380 593 60	+61.368 725 19		12.25	117.68	−71.03	0.62	0.61	0.66	0.59	0.64	+ 8	− 5	− 4	−39	−17	−10	−16	−19	− 7	− 7	5	1.73
79824	16 17 33.82	+36 55 17.9	8.73	H	244.390 912 71	+36.921 640 06		6.91	−32.53	1.04	0.76	0.73	0.97	0.72	0.79	+17	+ 0	−14	−26	− 1	−19	− 2	−10	+ 8	+ 2	0	1.41
79825	16 17 34.16	+41 25 46.6	8.02	H	244.392 342 28	+41.429 618 69		−0.80	0.73	−23.44	0.63	0.61	0.77	0.68	0.65	+ 4	−13	+ 2	− 6	+13	− 4	+13	− 6	− 5	− 1	1	0.85
79826	16 17 34.91	+79 13 36.5	9.07	H	244.395 457 12	+79.226 796 56		5.34	−29.87	−17.29	0.73	0.82	0.84	0.80	0.94	− 5	− 5	−32	−14	+12	−12	+13	+19	−14	−17	1	−0.99
79827	16 17 36.93	+07 44 02.1	7.61	H	244.403 890 02	+07.733 929 79		4.55	−43.27	2.16	0.88	0.65	1.04	1.03	0.90	−26	−27	+ 4	+36	+ 6	+10	+15	+15	−14	−14	0	−1.52
79828	16 17 36.98	+07 00 51.0	8.29	H	244.404 091 12	+07.014 178 69		5.08	−17.95	−83.81	0.80	0.72	1.00	1.04	1.09	−35	−23	− 4	+23	−17	+ 1	−15	+26	− 5	−32	0	1.18
79829	16 17 39.45	+80 56 57.8	8.10	H	244.414 367 01	+80.949 377 46		6.13	31.89	−1.02	0.58	0.72	0.71	0.57	0.85	+19	−17	−33	− 6	− 8	− 2	−12	−14	+ 5	+10	1	−0.07
79830	16 17 40.75	−71 40 22.1	7.95	H	244.419 809 42	−71.672 792 11		1.80	−4.80	−11.36	0.51	0.61	0.85	0.52	0.74	+21	−23	− 2	− 6	+ 4	+ 3	+ 0	+15	+10	+31	2	−1.02
79831	16 17 41.72	−45 26 52.0	8.94	H	244.423 839 06	−45.447 775 73		4.32	−14.11	−1.32	1.15	0.78	1.43	1.54	1.18	+11	−10	−18	+11	+19	− 1	+21	+39	−15	+11	0	0.98
79832	16 17 43.29	+13 41 54.4	9.12	H	244.430 392 03	+13.698 452 39		6.89	−25.58	10.83	1.24	0.92	1.43	1.46	1.19	− 3	−42	− 3	+47	−12	− 2	−19	+51	+21	+12	0	1.39
*79833	16 17 43.37	−29 47 55.2	8.51	G	244.430 717 92	−29.798 671 20		10.57	−38.63	−99.30	1.04	0.66	1.15	1.28	0.91	−12	−32	− 8	+11	+ 9	+ 2	+15	+37	−20	−13	0	0.22
*79834	16 17 43.37	+01 29 48.2	6.50	H	244.430 693 84	+01.496 716 73		5.45	−16.09	−1.26	0.98	0.73	1.16	1.28	0.98	− 6	−41	−38	+ 2	−24	+26	− 5	+25	−21	−38	0	−1.23
79835	16 17 45.37	−37 45 13.4	7.65	G	244.439 028 01	−37.753 735 25		11.26	−46.32	−69.13	0.80	0.57	0.92	1.00	0.76	−28	− 8	− 9	−12	+10	−23	+14	+20	+ 1	−39	0	0.92
79836	16 17 45.43	−04 02 11.7	7.21	H	244.439 291 71	−04.036 579 82		13.32	8.93	−59.58	1.08	0.76	1.00	1.22	0.91	+29	−30	−30	+56	+37	−17	+27	+26	+ 5	+ 1	0	0.05
79837 H	16 17 45.86	+31 48 13.0	6.84	H	244.441 076 31	+31.803 624 67	*	34.81	155.73	312.26	1.96	0.99	0.82	0.61	0.72	+24	− 1	− 3	+20	+17	−17	+13	+12	+10	+ 8	1	0.21
79838	16 17 46.67	−70 45 56.8	9.56	H	244.444 449 54	−70.765 770 16		4.30	−0.52	−2.05	0.73	0.85	1.27	0.77	0.99	+17	−22	+ 3	+ 9	− 0	+ 8	− 4	+13	+25	+26	1	0.56
79839	16 17 47.05	−21 54 01.3	8.44	H	244.446 053 22	−21.900 360 48		4.39	−21.09	−12.69	1.00	0.67	1.09	1.17	0.96	−38	− 4	−13	+ 8	− 7	− 1	− 3	+43	−10	−40	0	0.88
79840	16 17 48.33	−50 58 05.0	9.59	H	244.451 368 28	−50.968 049 86		2.76	−7.72	−20.65	1.36	0.97	1.65	1.89	1.50	+32	−22	−16	+39	+25	+ 3	+30	+55	−30	+34	0	0.13
79841	16 17 48.80	+10 17 05.2	8.00	H	244.453 313 82	+10.284 787 66		6.84	7.89	−11.15	0.86	0.69	1.08	0.96	1.06	−36	−40	+ 6	+19	− 3	− 5	+ 8	+13	−20	−27	0	1.00
79842	16 17 49.11	−54 53 40.7	9.02	H	244.454 615 70	−54.894 630 25		5.98	−8.51	−25.47	0.95	0.76	1.27	1.13	0.94	+13	−16	−14	− 4	− 4	−13	− 1	+22	−15	+ 5	0	−0.51
79843	16 17 49.99	−13 22 20.7	7.24	H	244.458 299 60	−13.372 415 01		3.04	−41.45	−31.88	1.10	0.73	1.16	1.13	0.94	− 7	−52	− 3	+22	+12	+ 7	+14	+28	− 4	−25	0	0.84
*79844	16 17 51.32	−40 03 26.7	12.86	H	244.463 825 65	−40.057 422 08		6.75	7.25	6.43	6.26	4.86	7.07	7.70	6.38	−22	−20	+ 0	+26	−11	− 7	−11	+62	− 7	−18	5	2.49
*79845	16 17 51.24	+35 41 58.4	7.46	H	244.463 517 16	+35.699 568 56		3.61	1.86	3.86	0.51	0.56	0.70	0.61	0.72	+ 9	+ 3	−14	− 1	− 5	− 3	− 6	+ 0	+ 7	+ 6	0	0.38
79846	16 17 51.54	+23 36 26.0	7.20	H	244.464 729 39	+23.607 219 44		4.41	18.85	36.48	0.47	0.58	0.87	0.59	0.78	+ 9	+ 0	− 6	−16	−13	+ 1	−15	+11	−10	+12	0	0.70
79847	16 17 51.54	−61 57 09.1	8.65	H	244.464 751 74	−61.952 515 46		−0.15	0.28	7.10	0.76	0.85	1.15	0.92	1.09	−21	−10	− 3	+35	−26	+12	−20	+56	−26	−30	0	−0.02
79848	16 17 51.68	+17 46 37.1	8.36	H	244.465 335 58	+17.776 975 45		4.40	−18.19	−3.40	0.81	0.62	1.11	0.86	0.93	+22	−42	−15	+24	−14	− 7	− 7	+49	−15	− 4	0	0.84
79849	16 17 52.22	−55 12 41.1	7.67	2 H	244.467 572 72	−55.211 412 39		3.22	−13.85	−31.40	0.73	0.60	0.96	0.81	0.70	+ 9	−26	−11	+ 7	+ 1	− 8	+ 2	+27	−10	+ 9	2	0.53
79850	16 17 58.05	−73 52 56.5	12.45	2 H	244.491 857 97	−73.882 360 41		−4.67	−11.78	−12.92	2.53	2.86	3.88	3.04	3.62	+25	− 3	+ 6	− 7	− 9	−18	− 9	+11	−11	+32	2	−0.48
79851	16 17 58.84	−07 40 53.5	8.77	H	244.495 186 59	−07.681 540 09		1.88	10.25	3.06	1.39	1.07	1.56	1.90	1.40	−17	+13	−39	+44	+ 8	+25	+15	+ 4	+11	−32	0	0.75
79852	16 17 59.75	−13 26 40.7	7.36	H	244.498 964 34	−13.444 647 28		8.31	−26.06	−39.98	0.98	0.64	1.05	1.00	0.83	−10	−51	+ 1	+15	+20	− 1	+12	+17	+12	−18	0	3.28
79853	16 18 01.19	+06 04 43.2	7.28	H	244.504 956 26	+06.078 660 71		6.52	10.50	−38.87	0.67	0.55	0.80	0.83	0.81	−42	−14	+ 0	+26	−13	+ 2	−10	+19	−13	−32	0	−0.27
79854	16 18 02.04	+15 31 32.2	8.57	H	244.508 515 60	+15.525 613 75		5.93	3.84	29.63	1.03	0.85	1.26	1.56	1.24	−13	−16	− 2	+31	−29	−12	−24	+38	−27	+30	0	−1.20
79855	16 18 02.38	−34 37 29.3	8.90	H	244.509 931 63	−34.624 799 19		1.36	18.62	−12.77	1.19	0.87	1.37	1.36	1.02	−31	−31	+ 5	+13	+ 4	− 2	+ 5	+42	−20	−17	2	−0.89
79856	16 18 03.71	+77 38 55.8	10.23	H	244.515 442 06	+77.648 835 58		8.93	−36.04	−45.64	0.87	1.02	1.05	0.99	1.19	+12	−22	−34	−14	−12	+19	− 5	+ 6	− 7	+ 3	0	−1.62
79857	16 18 03.80	−49 45 36.2	8.52	G	244.515 812 96	−49.760 066 39		4.69	−0.47	−27.72	1.17	0.85	1.31	1.62	1.21	+36	−17	−23	+46	+35	+ 8	+39	+60	−23	+38	0	−0.19
79858	16 18 04.85	+13 03 08.3	8.39	H	244.520 203 39	+13.052 298 03		3.56	−10.93	0.82	0.87	0.80	1.24	1.11	0.96	−12	−33	+16	+26	−26	−39	−26	+49	− 5	+16	0	0.98
79859	16 18 05.23	−43 52 28.6	9.24	H	244.521 798 02	−43.874 623 68		8.05	9.41	−51.35	1.06	0.73	1.49	1.19	1.19	+13	−46	−44	− 4	−31	+ 2	− 3	+47	−25	−53	0	0.55
79860	16 18 05.48	−31 39 06.2	8.26	H	244.522 822 91	−31.651 711 42		3.99	−9.47	−16.10	0.92	0.63	1.04	0.95	0.80	−31	−33	+ 0	+15	+ 0	+ 7	+11	+33	−28	−32	0	1.34
79861	16 18 05.85	+62 25 24.2	7.33	H	244.524 367 77	+62.423 398 55		5.48	−8.52	−45.53	0.52	0.54	0.60	0.47	0.56	+ 1	−11	− 2	−34	−17	+13	− 9	− 8	−20	−31	0	−0.29
79862	16 18 05.92	+34 28 58.5	7.50	H	244.524 652 80	+34.482 923 88		27.71	−56.09	−65.73	0.52	0.58	0.76	0.61	0.76	+11	+ 7	−15	+18	+11	− 8	+11	+12	+20	− 1	1	1.45
79863	16 18 07.00	+62 56 58.0	9.15	H	244.529 169 78	+62.949 435 41		5.19	18.56	−17.25	0.64	0.70	0.75	0.58	0.71	+ 7	− 6	−21	−34	−19	+ 3	−11	+ 0	−11	−23	0	0.69
79864	16 18 07.89	−54 38 35.6	8.72	H	244.532 887 74	−54.643 219 87		7.09	−13.19	−20.88	0.86	0.68	1.16	0.96	0.83	+10	−23	−18	− 5	− 6	−11	− 2	+24	−17	+ 0	0	−0.50
79865	16 18 08.35	+38 02 01.2	9.29	H	244.534 789 36	+38.033 674 91		2.95	−0.12	−15.19	1.16	1.36	1.59	1.37	1.72	+ 4	+ 2	−19	−14	− 5	− 8	− 7	−11	+ 1	−13	0	
79866	16 18 09.62	−40 59 06.0	9.49	H	244.540 100 52	−40.984 987 78		10.39	−10.51	−15.47	1.36	1.14	1.60	1.53	1.41	−26	−25	−25	+18	−22	+ 8	−12	+63	−25	−37	0	−0.07
79867	16 18 09.81	+68 33 16.0	6.39	H	244.540 868 63	+68.554 435 84		5.49	−24.68	44.88	0.47	0.50	0.50	0.50	0.67	+ 6	−13	−17	− 8	−22	+10	−22	+12	− 6	− 6	2	1.51
79868	16 18 10.63	−02 16 13.7	9.06	H	244.544 295 02	−02.270 480 51	A	−1.64	−12.88	−15.36	7.11	4.88	4.60	5.50	3.87	− 6	−41	−20	+15	−20	− 1	−18	+41	+ 2	−15	5	−0.35
79869	16 18 10.70	−02 16 24.4	9.13	H	244.544 588 86	−02.273 451 46	B	3.07	−18.60	−15.50	5.48	3.58	5.61	7.82	3.61	−12	−51	−10	+ 7	−17	− 4	−21	+35	+ 6	−12	5	−0.35
79870	16 18 10.74	−52 44 14.2	8.50	H	244.544 762 46	−52.737 274 97		6.92	−13.86	−24.38	0.92	0.73	1.21	1.22	1.04	+ 0	− 4	− 9	+ 8	− 5	+ 1	− 4	+27	−23	+ 1	4	−0.23
79871	16 18 12.56	−39 44 51.5	9.73	H	244.552 317 71	−39.747 648 32		11.46	13.98	−74.50	1.34	1.03	1.76	1.54	1.32	−17	−11	−29	+ 0	− 5	−20	− 4	+47	−28	−21	4	−0.92
*79872	16 18 12.88	+67 29 02.8	10.54	H	244.553 664 43	+67.484 114 90		12.98	−130.19	170.27	1.16	1.27	1.29	1.41	1.82	+ 4	−16	−18	−19	+ 1	+10	+ 4	+ 6	+ 2	− 7	0	0.45
*79873 H	16 18 13.44	−31 36 44.0	9.58	H	244.555 995 93	−31.612 226 81	A	7.15	35.23	−5.09	2.38	1.66	2.48	2.27	2.00	−32	−26	− 9	+13	− 9	+ 9	+ 2	+37	−33	− 0	0	0.32
*79874	16 18 14.14	−34 54 53.0	7.10	H	244.558 932 52	−34.914 719 65		4.41	−32.29	−5.04	0.88	0.62	0.97	1.14	0.76	− 9	−21	+ 2	+27	+16	+19	+11	+55	−12	+ 8	5	1.64
*79875	16 18 15.42	+56 08 01.1	8.95	H	244.564 242 57	+56.133 649 26		0.52	5.82	−4.43	0.72	0.77	0.83	0.90	0.90	+ 5	−12	−14	− 3	− 5	+13	− 2	+14	−17	+12	1	0.16
*79876	16 18 15.50	+42 37 37.1	8.38	H	244.564 563 29	+42.626 968 66		7.91	−39.02	15.14	0.61	0.61	0.74	0.61	0.62	+ 7	− 6	− 7	+ 2	+ 4	+ 2	+ 4	−14	+ 6	+ 5	0	−1.39
*79877	16 18 12.60	+29 25 42.1	10.58	H	244.552 480 41	+29.428 347 50		13.98	−136.22	95.91	5.49	6.72	5.55	6.11	8.72	+31	−14	−13	−82	−26	+14	−23	−81	− 6	+21	0	
79878	16 18 16.17	−28 02 29.9	7.07	H	244.567 362 43	−28.041 646 67		6.81	−11.67	−24.97	0.76	0.51	0.88	0.78	0.65	−19	−43	−13	+ 3	− 7	+15	+10	+34	−28	−35	0	1.77
79879	16 18 16.19	+38 16 31.0	8.29	H	244.567 479 03	+38.275 278 93		1.70	−1.94	7.93	0.63	0.68	0.83	0.72	0.84	+11	− 6	−23	− 6	−10	−10	−11	+ 6	+ 4	−11	1	0.41
79880	16 18 17.47	−46 26 59.2	7.48	2 H	244.572 781 43	−46.449 781 06		2.92	−8.16	−9.27	0.81	0.65	1.08	0.94	0.91	− 8	−19	−36	+12	−23	− 1	−10	+52	−27	−39	0	0.46
79881	16 18 17.92	−28 36 49.6	4.80	H	244.574 670 23	−28.613 775 98		23.23	−33.79	−100.59	0.69	0.47	0.80	0.85	0.61	−14	−29	− 7	+ 9	+ 6	+26	+14	+26	−24	−18	0	0.40
79882	16 18 19.24	−04 41 33.4	3.23	1 G	244.580 169 94	−04.692 608 09		30.34	82.39	40.08	0.75	0.58	0.79	0.84	0.73	+ 1	−23	−22	+42	+10	+ 1	+ 9	+25	+ 4	−25	0	1.71
79883	16 18 20.37	−32 57 35.8	8.28	H	244.584 867 88	−32.959 953 23		9.99	−13.94	−13.49	1.12	1.02	1.39	1.54	1.40	−52	+16	−48	+32	−42	+33	−36	+73	−54	−56	0	2.21
79884	16 18 21.13	−36 33 57.5	7.76	H	244.588 060 31	−36.565 982 69		15.16	32.71	29.05	0.87	0.63	1.00	0.95	0.82	−25	−24	−16	+ 3	+ 3	− 8	+ 9	+22	− 6	−45	0	0.87
79885	16 18 22.13	+21 02 53.0	8.20	H	244.592 189 15	+21.048 063 40		8.50	−2.29	15.09	0.59	0.57	0.97	0.64	0.72	+22	−14	+ 7	−31	−10	+13	−11	+ 7	+ 2	+22	0	0.02
79886	16 18 22.79	−41 58 47.8	10.30	G	244.594 969 43	−41.979 957 04		2.22	−9.75	−14.85	1.69	1.23	2.03	2.11	1.58	−11	−12	−16	+11	+ 8	+ 2	+ 7	+47	−27	− 2	0	−0.17
79887	16 18 23.54	−73 02 36.1	6.58	H	244.598 070 52	−73.043 361 87		3.43	−7.08	−17.33	0.37	0.50	0.64	0.43	0.65	+20	− 6	+ 3	− 1	−10	−16	−11	+ 7	−16	+27	0	−0.75
79888	16 18 23.60	−42 44 31.7	9.03	G	244.598 318 31	−42.742 132 75		20.09	23.87	−111.21	1.19	0.82	1.62	1.61	1.30	− 8	−25	−23	+ 7	−19	+22	− 3	+56	−27	−30	0	0.72
79889	16 18 23.66	+25 53 48.1	6.70	H	244.598 579 89	+25.896 684 17		6.50	−4.27	0.46	0.44	0.52	0.79	0.47	0.63	+18	−10	+ 3	−20	+15	−11	+14	− 4	−15	+51	0	0.25
79890	16 18 24.77	−51 39 08.7	10.27	H	244.603 207 81	−51.652 429 80		4.08	−1.66	11.97	1.66	1.16	2.10	1.93	1.64	+11	−29	− 6	+ 8	+ 6	+ 2	+10	+35	−17	+10	0	−0.08
79891	16 18 24.89	−57 49 33.0	9.31	H	244.603 698 21	−57.825 822 59		1.38	−0.81	−0.84	0.95	0.92	1.26	1.16	1.17	+ 6	− 8	−13	+41	+16	− 5	+19	+56	− 9	− 2	1	−0.49
79892	16 18 26.17	−58 23 33.7	7.22	H	244.609 050 59	−58.392 702 36		7.62	−59.87	−86.36	0.66	0.62	0.90	0.80	0.79	+12	−21	−11	+40	+25	−22	+28	+53	−10	+ 7	0	−0.49
79893	16 18 26.59	−56 40 22.6	8.66	H	244.610 810 87	−56.672 948 62		3.75	−29.33	−29.38	0.98	0.80	1.14	1.11	0.98	+26	+ 8	− 9	+57	+40	− 2	+41	+64	−10	+25	0	0.16
79894	16 18 26.64	+22 39 37.2	9.37	H	244.611 011 61	+22.660 334 18		2.95	2.49	1.63	0.90	0.96	1.41	0.98	1.11	+37	−26	−22	−20	−25	+10	−19	+ 4	− 3	+16	0	−0.54
79895	16 18 27.12	−17 23 15.3	7.36	H	244.612 979 68	−17.387 584 77		12.77	25.03	−40.24	0.87	0.63	0.95	0.98	0.74	−10	−37	− 9	+18	− 2	+19	+ 5	+31	−13	−18	0	0.92
79896 H	16 18 28.03	−34 00 33.9	9.12	H	244.616 774 07	−34.009 408 15	*	9.52	−16.73	−6.01	2.96	1.70	1.88	2.05	1.78	−18	+ 3	−21	+ 4	−19	−11	−20	+54	−27	−47	0	−0.20
79897	16 18 28.26	−23 16 27.3	7.51	H	244.617 766 71	−23.274 238 60		5.86	−11.55	−26.01	0.85	0.53	0.95	1.06	0.75	− 9	−22	−14	+19	+ 1	− 1	+ 4	+36	−29	+ 9	0	−0.21
79898	16 18 29.08	+15 32 29.8	8.

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
79801	10.584	0.037	9.727	0.028		0.768	0.035	T	0.81	0.03	L	9.7735	0.0019	0.019	126		9.74	9.82					1							
79802	7.176	0.003	7.094	0.004		0.081	0.005	T	0.09	0.01	L	7.1181	0.0009	0.011	208		7.10	7.14					1							S
79803	9.076	0.009	9.114	0.012		−0.030	0.014	T	−0.01	0.01	L	9.1084	0.0017	0.026	246		9.07	9.15					1							
79804	7.441	0.008	5.614	0.006		1.551	0.008	T	2.60	0.03	O	5.3705	0.0048	0.044	108		5.27	5.45		U 2			1	S						S
79805	10.332	0.032	9.772	0.029		0.524	0.038	T	0.60	0.04	L	9.9049	0.0024	0.025	112		9.86	9.94					1							
79806	9.323	0.018	9.003	0.019		0.320	0.020	G	0.37	0.03	H	9.0263	0.0016	0.013	83		9.01	9.05		C			1							
79807	9.831	0.024	9.098	0.020		0.640	0.015	G	0.70	0.01	H	9.1855	0.0022	0.019	91		9.16	9.22		C			1							
79808	10.960	0.048	9.916	0.031		0.824	0.004	G	0.86	0.00	H	9.9458	0.0028	0.025	112		9.89	9.99		C			1							G
79809	9.460	0.018	8.986	0.018		0.446	0.023	T	0.52	0.02	L	9.0236	0.0022	0.018	79		8.99	9.06					1	S						S
79810	10.304	0.032	9.837	0.032	*	0.440	0.041	T	0.51	0.04	L *	9.8943	0.0023	0.026	116	*	9.85	9.93		D	16173+5001	M 1	2 C	A	AB	34	0.267	0.007	0.03	0.10	
79811	7.789	0.005	7.646	0.006		0.138	0.007	T	0.15	0.01	L	7.6852	0.0010	0.015	204		7.66	7.71					1							S
79812	6.630	0.004	6.342	0.005		0.273	0.007	T	0.31	0.01	L	6.3777	0.0010	0.008	99		6.36	6.39			16173−5305	I 1	1 G							S
79813	7.946	0.009	7.584	0.009		0.367	0.009	G	0.43	0.01	H	7.6295	0.0013	0.010	57		7.61	7.64		C			1							S
79814	11.749	0.093	11.140	0.087		0.567	0.112	T	0.64	0.10	L	11.3253	0.0039	0.043	141		11.25	11.39		C			1	S						G
79815	10.831	0.052	9.987	0.038		0.710	0.020	G	0.76	0.02	H	10.0797	0.0029	0.028	89		10.03	10.12					1							G
79816	10.372	0.029	8.557	0.012		1.510	0.025	T	1.54	0.04	L	8.4902	0.0014	0.014	120		8.47	8.52					1							
79817	10.431	0.028	9.260	0.017		0.997	0.026	T	0.98	0.02	L	9.3117	0.0029	0.028	136		9.27	9.35		C			1							
79818	8.523	0.021	7.964	0.020	*	0.528	0.022	T	0.60	0.02	L *	8.1454	0.0019	0.012	67	*	8.13	8.17		D	16174−3449	I 1	2 C	A	AB	299	4.900	0.005	0.62	0.02	
79819	8.691	0.010	8.252	0.010		0.379	0.002	G	0.44	0.00	H	8.3076	0.0018	0.015	154		8.28	8.34					1							S
79820	10.500	0.032	9.427	0.020		0.929	0.029	T	0.92	0.02	L	9.4471	0.0023	0.027	158		9.40	9.49					1							
79821	10.307	0.056	9.791	0.057		0.519	0.020	G	0.59	0.02	H	9.8478	0.0040	0.019	46		9.81	9.88		C			1 X							
79822	5.401	0.002	4.999	0.002		0.393	0.002	T	0.46	0.00	L	5.0409	0.0007	0.004	100		5.03	5.05			16176+7545	I 1	1							S
79823	8.689	0.011	8.236	0.011		0.427	0.014	T	0.49	0.01	L	8.2825	0.0018	0.014	108		8.26	8.31		C			1							S
79824	9.286	0.016	8.764	0.015		0.490	0.020	T	0.56	0.02	L	8.8389	0.0020	0.018	107		8.80	8.87					1							
79825	9.831	0.020	8.167	0.010		1.391	0.018	T	1.36	0.02	L	8.1660	0.0015	0.014	114		8.15	8.19					1							
79826	9.882	0.020	9.134	0.017		0.684	0.021	T	0.74	0.02	L	9.2068	0.0019	0.019	112		9.16	9.24					1							
79827	9.119	0.015	7.733	0.009		1.172	0.014	T	1.13	0.01	L	7.7725	0.0013	0.010	74		7.75	7.79					1							S
79828	9.638	0.020	8.407	0.013		1.051	0.019	T	1.02	0.02	L	8.4542	0.0015	0.015	91		8.43	8.48					1							
79829	9.333	0.015	8.197	0.010		0.977	0.014	T	0.96	0.01	L	8.2656	0.0014	0.013	112		8.25	8.29					1							S
79830	7.851	0.007	7.945	0.007		−0.081	0.009	T	−0.06	0.01	L	7.9255	0.0014	0.016	185		7.90	7.95					1							S
79831	10.068	0.023	9.063	0.016		0.866	0.022	T	0.88	0.02	L	9.0813	0.0024	0.020	103		9.04	9.11					1	S						
79832	9.745	0.025	9.177	0.023		0.531	0.030	T	0.60	0.03	L	9.2411	0.0030	0.024	92		9.21	9.28		C			1	S						
79833	9.075	0.015	8.593	0.015		0.488	0.015	G	0.56	0.02	H	8.6038	0.0016	0.014	78		8.58	8.63		C			1							
79834	7.951	0.012	6.622	0.008		1.128	0.011	T	1.09	0.01	L	6.6646	0.0011	0.007	46		6.65	6.69					1							S
79835	8.158	0.010	7.688	0.010		0.451	0.015	G	0.52	0.02	H	7.7530	0.0008	0.009	82		7.74	7.77		C			1							S
79836	7.822	0.013	7.277	0.012		0.511	0.016	T	0.58	0.02	L	7.3209	0.0016	0.007	41		7.31	7.33		C			1							S
79837	7.570	0.005	6.918	0.004	*	0.605	0.005	T	0.67	0.00	L *	6.9646	0.0006	0.009	161	*	6.95	6.98		C	16178+3148	H 1	2 C	B	AB	201	0.228	0.042	3.21	0.49	S
79838	9.573	0.013	9.545	0.017		0.026	0.019	T	0.04	0.01	L	9.5708	0.0023	0.027	210		9.52	9.62					1 G							
79839	10.026	0.026	8.580	0.014		1.219	0.023	T	1.18	0.02	L	8.5995	0.0014	0.015	125		8.58	8.63		C			1							
79840	10.072	0.025	9.618	0.026		0.442	0.029	T	0.51	0.03	L	9.6932	0.0023	0.020	101		9.66	9.74		C			1							G
79841	8.339	0.010	8.029	0.011		0.294	0.014	T	0.34	0.02	L	8.0764	0.0018	0.013	75		8.06	8.11					1							S
79842	9.468	0.022	9.070	0.024		0.377	0.030	T	0.44	0.03	L	9.1015	0.0023	0.018	104		9.07	9.12		C			1							
79843	8.680	0.016	7.373	0.010		1.111	0.015	T	1.07	0.02	L	7.4085	0.0012	0.008	46		7.40	7.42		C			1							S
79844						1.046	0.010	G	1.10	0.01	I	12.9980	0.0167	0.116	71		12.75	13.21					1	S						D G
79845	7.629	0.006	7.489	0.007		0.135	0.009	T	0.15	0.01	L	7.5149	0.0012	0.012	128		7.49	7.54		C			1							S
79846	9.115	0.012	7.354	0.006		1.468	0.011	T	1.48	0.02	L	7.3371	0.0013	0.014	154		7.31	7.36					1							S
79847	10.174	0.023	8.791	0.013		1.170	0.021	T	1.13	0.02	L	8.8158	0.0021	0.019	130		8.78	8.84		C			1	S						
79848	8.539	0.009	8.374	0.010		0.158	0.013	T	0.17	0.01	L	8.4114	0.0012	0.013	132		8.38	8.43		C			1							S
79849	9.828	0.025	7.923	0.010		1.582	0.021	T	1.60	0.02	L	7.7888	0.0022	0.021	109		7.75	7.81		U 2			1	S						
79850											T	12.5885	0.0107	0.120	142		12.40	12.81		U			1							D
79851	10.342	0.055	8.942	0.030		1.183	0.049	T	1.14	0.04	L	8.9362	0.0036	0.012	38		8.92	8.96					1	S						
79852	7.756	0.010	7.417	0.010		0.351	0.010	G	0.41	0.01	H	7.4474	0.0015	0.009	47		7.44	7.46		C			1							S
79853	8.574	0.010	7.394	0.007		1.030	0.015	G	0.99	0.03	C	7.4504	0.0009	0.008	105		7.43	7.46		C			1							S
79854	9.154	0.015	8.634	0.014		0.488	0.019	T	0.56	0.02	L	8.6821	0.0017	0.014	83		8.66	8.71		C			1							
79855	10.535	0.048	9.009	0.023		1.282	0.042	T	1.24	0.04	L	9.0620	0.0021	0.015	63		9.03	9.08		C			1							
79856	10.784	0.041	10.307	0.043		0.449	0.054	T	0.52	0.06	L	10.3310	0.0032	0.023	105		10.29	10.36		C			1							G
79857	9.927	0.033	8.702	0.021		1.095	0.002	G	1.06	0.00	H	8.6872	0.0017	0.017	101		8.66	8.72		C			1							
79858	8.647	0.012	8.429	0.013		0.249	0.015	G	0.28	0.02	H	8.4622	0.0016	0.016	95		8.44	8.49		C			1							S
79859	9.977	0.019	9.300	0.017		0.615	0.019	T	0.68	0.02	L	9.3731	0.0018	0.018	128		9.33	9.40		C			1							
79860	8.380	0.012	8.244	0.014		0.123	0.017	T	0.14	0.02	L	8.3025	0.0015	0.011	81		8.28	8.33		C			1							
79861	8.721	0.011	7.453	0.007		1.080	0.010	T	1.04	0.01	L	7.4982	0.0013	0.012	106		7.48	7.52		C			1							S
79862	8.249	0.008	7.566	0.007		0.631	0.009	T	0.70	0.01	L	7.6314	0.0014	0.013	141		7.61	7.66					1							S
79863	9.546	0.020	9.150	0.020		0.375	0.026	T	0.44	0.03	L	9.2393	0.0018	0.019	110		9.20	9.27					1							
79864	8.930	0.014	8.727	0.017		0.187	0.021	T	0.21	0.02	L	8.7852	0.0015	0.016	112		8.76	8.81					1							
79865	10.667	0.038	9.386	0.021		1.090	0.034	T	1.05	0.04	L	9.4568	0.0020	0.023	132		9.42	9.49					1 X							
79866	10.024	0.025	9.508	0.026		0.494	0.027	T	0.57	0.03	L	9.5947	0.0028	0.025	93		9.55	9.64					1							G
79867	8.120	0.011	6.517	0.005		1.343	0.010	T	1.31	0.01	L	6.5406	0.0008	0.007	106		6.53	6.55					1							S
79868	9.465	0.027	9.036	0.026	A	0.405	0.034	T	0.47	0.04	L	9.1500	0.0135	0.040	51	A	9.11	9.53		D	16182−0216	I 2	1 C	P A						
79869	9.550	0.025	9.141	0.026	B	0.387	0.033	T	0.45	0.04	L	9.2135	0.0142			B				D	16182−0216	I 2	1 C	I A						S
79870	8.743	0.013	8.540	0.015		0.194	0.019	T	0.21	0.02	L	8.5627	0.0016	0.017	100		8.54	8.59					1	S						
79871	10.271	0.032	9.785	0.034		0.520	0.015	G	0.59	0.02	H	9.8429	0.0029	0.020	82		9.79	9.88		C			1							G G
79872	11.954	0.125	10.732	0.066		1.038	0.113	T	1.09	0.14	L	10.6721	0.0040	0.034	102		10.60	10.71					1							G
79873	10.635	0.047	9.892	0.040	A	0.600	0.495	G	0.84	0.07	B *	9.7310	0.0026	0.019	80	*	9.70	9.77		R	16182−3137	I 1	2 C	A	AB	103	1.405	0.011	1.24	0.03	
79874	9.397	0.022	7.341	0.009		1.702	0.019	T	1.73	0.02	L	7.2047	0.0015	0.010	72		7.19	7.23					1							S
79875	10.681	0.039	9.108	0.018		1.319	0.034	T	1.28	0.04	L	9.1072	0.0019	0.018	109		9.07	9.15					1							
79876	8.871	0.010	8.409	0.010		0.414	0.004	G	0.48	0.00	H	8.4712	0.0015	0.015	126		8.44	8.50		C			1							S
79877	11.887	0.093	10.604	0.045		1.092	0.081	T	1.05	0.08	L	10.7548	0.0050	0.049	93		10.67	10.84		C			1 X	S						G
79878	7.053	0.007	7.073	0.006		−0.016	0.008	T	0.01	0.01	L	7.0735	0.0009	0.007	83		7.06	7.09		C			1							S
79879	8.625	0.010	8.324	0.010		0.286	0.013	T	0.33	0.02	L	8.3658	0.0016	0.018	139		8.34	8.40					1							S
79880	9.869	0.020	7.753	0.008		1.790	0.018	T	3.46	0.03	O	7.2090	0.0068	0.133	111		7.12	7.44		U 2			1	S						S
79881	4.830	0.002	4.795	0.002		0.008	0.018	G	−0.01	0.02	A	4.8029	0.0007	0.004	76		4.80	4.82		C			1							S
79882	4.472	0.005	3.342	0.004		0.966	0.014	G	0.96	0.02	A	3.3887	0.0009	0.005	51		3.38	3.40		M	16183−0442	I 1	1							S
79883	8.757	0.015	8.313	0.015		0.405	0.015	G	0.47	0.02	H	8.3699	0.0014	0.010	60		8.35	8.39					1							
79884	8.403	0.010	7.823	0.012		0.544	0.012	T	0.62	0.01	L	7.8744	0.0009	0.010	85		7.85	7.90		D	16184−3634	I 1	1	S						S
79885	8.767	0.009	8.253	0.009		0.511	0.015	G	0.58	0.02	H	8.3138	0.0013	0.016	186		8.28	8.34		C			1							S
79886	11.644	0.120	10.394	0.059		1.011	0.020	G	0.99	0.02	H	10.4759	0.0035	0.030	83		10.43	10.54		C			1							G
79887	6.552	0.003	6.571	0.003		0.012	0.018	G	0.01	0.02	A	6.5841	0.0007	0.008	187		6.57	6.60		C			1							S
79888	10.132	0.038	9.132	0.026		0.836	0.002	G	0.88	0.00	H	9.1726	0.0022	0.017	104		9.15	9.20		C			1							
79889	7.810	0.005	6.799	0.003		0.882	0.004	T	0.89	0.00	L	6.8581	0.0010	0.012	211		6.84	6.88					1							S
79890	10.981	0.061	10.377	0.059		0.563	0.075	T	0.64	0.07	L	10.3899	0.0035	0.034	103		10.33	10.43		C			1	S						G
79891	9.329	0.020	9.389	0.028		−0.050	0.031	T	−0.03	0.03	L	9.3042	0.0019	0.019	111		9.27	9.34		C			1							D
79892	8.840	0.012	7.364	0.006		1.243	0.011	T	1.20	0.01	L	7.3768	0.0009	0.011	120		7.36	7.39		C			1							S
79893	10.330	0.027	8.848	0.014		1.248	0.024	T	1.21	0.02	L	8.8274	0.0016	0.017	144		8.80	8.86		C			1							
79894	10.943	0.042	9.506	0.020		1.212	0.037	T	1.17	0.04	L	9.5352	0.0021	0.024	145		9.48	9.59					1	S						
79895	7.858	0.011	7.405	0.008		0.415	0.015	G	0.48	0.02	H	7.4582	0.0009	0.007	61		7.45	7.47		C			1							S
79896	9.748	0.024	9.120	0.022	*	0.579	0.024	T	0.65	0.02	L *	9.2503	0.0018	0.015	63	*	9.22	9.27		D	16185−3401	I 1	2 C	A	AB	336	0.201	0.008	0.49	0.19	
79897	7.649	0.008	7.524	0.008		0.135	0.021	G	0.15	0.02	H	7.5586	0.0019	0.014	88		7.54	7.58					1							S
79898	9.204	0.015	8.725	0.015		0.451	0.019	T	0.52	0.02	L	8.8078	0.0023	0.018	88		8.77	8.84					1							
79899	9.902	0.037	9.395	0.037		0.544	0.015	G	0.62	0.01	H	9.4333	0.0043	0.020	41		9.39	9.47		C			1							
79900	9.424	0.017	7.645	0.008		1.482	0.015	T	1.50	0.02	L	7.6066	0.0012	0.011	114		7.59	7.63		C			1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)																						Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	$\alpha*$	$\alpha*$	δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr		$\alpha*$	δ	$\alpha*$	δ	π	δ	π	$\alpha*$	δ	π	$\mu_{\alpha*}$	$\alpha*$	δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	%	
1 2	3	4	5 6 7		8	9 10		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28								29	30
79901	16 18 34.39	+07 15 37.7	7.78	H	244.643 280 51	+07.260 467 12		2.52	−14.67	9.48	0.80	0.70	0.97	1.00	1.05	−38	−25	− 9	+28	−19	−10	−21	+28	+ 4	−40								0	0.01
79902	16 18 34.39	−51 33 06.6	8.85	H	244.643 300 72	−51.551 842 26	A	2.05	13.81	−1.07	1.73	1.25	1.98	2.01	1.59	+22	−25	−12	+ 9	+11	−10	+13	+32	−25	+30								5	0.57
79903	16 18 34.78	+08 37 18.3	9.21	H	244.644 913 23	+08.621 744 62		2.34	3.65	6.08	1.37	1.23	1.48	1.77	1.96	−49	−39	+ 5	+49	−37	− 9	−36	+55	+11	−60								0	−0.15
79904	16 18 34.80	−79 32 31.6	9.09	H	244.645 019 03	−79.542 108 25		1.23	0.74	−3.73	0.75	0.81	1.01	0.71	0.89	+19	−32	−16	−18	−11	−13	−16	− 6	+12	+ 6								0	0.93
79905	16 18 35.20	+08 44 49.4	10.93	H	244.646 673 87	+08.747 058 08		2.45	−18.07	−2.72	2.18	1.96	2.42	2.80	2.95	−51	−36	+ 7	+48	−28	− 9	−28	+47	+12	−50								0	0.18
79906	16 18 37.30	+59 41 37.2	8.61	G	244.655 404 15	+59.693 661 32		4.29	13.87	−5.49	0.64	0.69	0.73	0.68	0.84	− 1	−22	− 7	+ 8	− 6	+20	− 4	+ 2	− 6	− 3								0	−2.27
79907	16 18 37.60	−57 41 46.0	8.32	H	244.656 657 19	−57.696 121 89		2.47	−2.27	−2.10	0.80	0.69	0.94	1.05	0.90	+ 2	− 9	− 5	+53	+10	+ 0	+12	+58	−12	−14								0	−1.15
79908	16 18 38.58	−38 39 11.5	9.05	H	244.660 758 63	−38.653 198 53		8.30	−24.66	−35.14	1.20	0.80	1.40	1.53	1.24	−30	− 1	− 3	−23	−15	−39	+ 7	+33	+ 7	−65								0	1.25
79909	16 18 39.04	−35 24 30.3	8.71	H	244.662 657 48	−35.408 403 99		6.32	−17.26	−33.55	0.97	0.75	1.10	1.04	0.89	−25	−15	−15	+10	−13	+10	− 8	+45	−22	−29								0	−0.99
79910	16 18 39.15	−21 35 34.0	9.00	H	244.663 126 96	−21.592 786 38		7.26	−10.74	−25.50	1.26	0.91	1.38	1.34	1.16	−48	−12	−13	+20	−19	−13	+49	−26	−47	0								0	0.21
79911	16 18 39.26	+20 34 35.8	10.23	H	244.663 601 14	+20.576 598 24		3.99	−17.93	2.33	1.13	0.98	1.73	1.09	1.11	+20	−13	+15	−63	−18	+ 6	−16	−11	+ 5	+13								3	−0.25
79912	16 18 40.69	−51 12 20.2	8.67	G	244.669 548 68	−51.205 611 33		5.45	−6.24	−25.53	1.07	0.79	1.31	1.49	1.16	+28	−20	−25	+28	+19	+ 6	+24	+46	−24	+32								3	−1.77
79913	16 18 41.51	−42 42 29.7	10.13	G	244.672 961 07	−42.708 258 07		4.81	−20.75	−36.30	1.51	1.05	2.04	1.89	1.57	−11	−30	−26	+ 0	−19	+22	+ 0	+53	−31	−34								0	0.64
79914	16 18 42.70	+23 48 12.3	8.72	H	244.677 932 56	+23.803 413 28		4.71	2.19	27.83	0.55	0.79	1.25	0.68	0.93	+ 4	− 3	−12	+ 5	− 6	+ 7	− 5	+ 5	−13	+ 8								1	1.58
79915 H	16 18 43.48	−11 17 22.2	9.56	G	244.681 150 80	−11.289 489 61	*	−1.78	−10.18	0.05	1.79	1.08	2.04	1.58	1.24	−32	−70	+25	+21	−15	− 8	+ 7	+27	−25	− 7								0	0.99
79916	16 18 43.75	+30 59 22.8	10.88	H	244.682 308 58	+30.989 658 87		3.53	0.75	−5.66	1.15	1.37	1.76	1.20	1.69	+11	− 9	−10	+ 9	− 8	+ 4	− 3	+39	−11	− 6								0	1.57
79917	16 18 43.97	+26 01 53.4	9.62	2 H	244.683 192 10	+26.031 506 11		15.89	6.29	−155.11	0.90	1.05	1.57	1.01	1.25	+25	−24	−15	−15	+21	+ 1	+17	+11	− 9	+50								0	−0.71
79918	16 18 44.44	+16 36 54.1	8.18	G	244.685 158 00	+16.615 041 46		1.36	13.57	−26.47	0.93	0.78	1.05	1.14	1.09	+12	−16	+ 6	+52	+ 3	+ 8	+ 2	+57	+ 0	− 1								0	−1.67
79919	16 18 45.33	−01 06 03.8	8.85	H	244.688 863 86	−01.101 065 89		−0.38	1.51	−2.65	1.30	0.91	1.38	1.53	1.35	−19	−48	−12	−13	+22	− 3	+13	−25	+12	−42								0	0.28
79920	16 18 45.59	−65 35 55.4	8.89	H	244.689 965 32	−65.598 708 53		3.19	−5.33	−38.07	0.73	0.77	1.36	0.83	0.97	+ 8	− 3	− 8	−37	− 1	− 4	+ 5	+20	+14	− 6								1	2.43
79921	16 18 46.36	+00 42 58.5	9.24	H	244.693 179 42	+00.716 239 21		3.36	−10.46	−7.88	1.38	1.15	1.43	1.77	1.53	−39	− 2	−18	+33	− 1	+14	− 3	+ 0	−21	−55								0	0.42
79922	16 18 47.91	+44 23 18.5	9.25	H	244.699 618 49	+44.388 468 33		2.07	−0.85	3.12	0.78	0.82	0.97	0.97	1.00	+ 0	− 2	− 1	+14	+ 2	−18	+ 2	+10	−13	−14								0	−0.75
79923	16 18 48.30	+09 52 20.8	10.59	H	244.701 231 91	+09.872 437 59		2.43	3.04	−12.67	1.81	1.27	2.19	2.12	1.93	−30	−45	+10	+18	+ 1	+11	+11	+20	−18	−16								0	0.53
79924	16 18 48.46	−05 59 38.8	9.65	H	244.701 919 34	−05.994 111 24		10.15	26.77	−51.91	1.29	0.98	1.47	1.84	1.58	− 1	+ 1	−29	+23	+18	− 7	+15	− 4	+36	−20								0	0.71
79925 H	16 18 48.72	−67 06 43.2	8.32	H	244.703 007 05	−67.112 002 10	A	5.23	−14.42	−25.30	1.13	1.19	1.56	1.00	1.35	+ 4	−14	−13	−18	+ 4	− 7	+ 6	+24	+14	−18								1	0.82
79926 H	16 18 49.01	+17 23 58.3	9.08	H	244.704 227 31	+17.399 538 84	B	6.36	−27.12	−29.20	4.21	3.82	3.03	3.05	3.03	+76	− 2	+ 6	+16	− 2	+ 9	− 1	+21	+ 9	−11								4	−0.07
79927	16 18 49.47	+42 57 48.5	8.90	H	244.706 105 39	+42.963 472 68		9.40	−37.41	−52.94	0.68	0.65	0.79	0.71	0.67	+ 6	− 2	− 7	+10	+15	− 5	+15	+ 3	+ 6	+ 5								0	−0.08
79928	16 18 49.58	−10 47 09.8	9.59	1 G	244.706 599 53	−10.786 061 57		6.64	−12.10	−14.01	1.44	1.17	1.80	1.47	1.45	−26	−24	−18	+21	−33	+ 9	−15	+46	−52	−34								0	−0.65
*79929	16 18 51.53	+53 32 00.7	8.94	H	244.714 708 44	+53.533 518 96		7.34	−18.38	33.54	0.67	0.69	0.74	0.86	0.84	+ 9	+ 2	− 1	− 2	+ 8	− 2	+ 7	+ 1	−10	+25								0	1.52
*79930	16 18 51.51	+24 28 25.4	10.10	H	244.714 636 78	+24.473 711 26		7.17	−32.57	105.69	0.68	1.17	1.71	0.81	1.37	− 9	−14	−12	+26	−11	− 6	−11	+ 7	−10	−15								2	1.55
79931	16 18 51.55	−22 45 38.6	9.50	H	244.714 785 60	−22.760 712 15		5.34	−3.40	−3.73	1.45	0.91	1.69	1.65	1.14	−28	− 2	−17	−12	+ 2	−26	− 6	+28	−14	−13								0	1.30
79932	16 18 51.83	−57 53 59.2	6.54	3 T	244.715 973 81	−57.899 786 96		1.19	−1.10	−1.20	0.62	0.56	0.75	0.77	0.70	+15	−17	−21	+52	+23	− 7	+25	+56	−13	− 3								0	1.13
79933	16 18 52.29	−77 08 40.9	8.55	H	244.717 873 78	−77.144 702 72		5.30	−15.96	−9.03	0.61	0.70	0.87	0.68	0.80	+11	−20	+12	+ 4	−17	−12	−15	+ 2	+ 0	+14								0	0.18
79934	16 18 52.97	−09 04 15.0	8.23	G	244.720 704 03	−09.070 838 75		7.64	19.91	−45.75	1.38	0.82	1.44	1.16	0.96	+ 7	−62	−17	+26	+14	− 5	+20	+24	−15	−19								0	−0.66
79935	16 18 53.36	−55 16 17.4	8.58	H	244.722 322 93	−55.271 492 96		4.59	7.07	−13.70	0.95	0.72	1.20	1.08	0.88	+26	−30	−22	+ 9	+ 9	+ 3	+ 9	+33	− 3	+26								0	−0.21
79936 H	16 18 55.38	−50 23 30.6	8.53	G	244.730 739 76	−50.391 845 24	A	2.84	−2.77	−8.55	3.04	2.13	3.15	3.50	2.71	+27	−18	−33	+31	+37	− 2	+30	+55	−25	+56								3	1.80
79937	16 18 56.39	+32 37 37.3	7.92	H	244.734 945 87	+32.627 037 71		1.82	−10.68	4.80	0.60	0.72	0.96	0.71	0.90	+ 9	−10	− 1	+12	+14	−12	+13	+13	+ 7	+10								0	−1.31
79938	16 19 00.43	−14 52 22.2	5.97	H	244.751 803 57	−14.872 822 62		3.77	−21.18	−1.13	0.77	0.63	0.85	0.97	0.89	−23	−30	−19	+25	−16	−15	−22	+30	+21	−46								0	−1.14
79939	16 19 00.58	+37 45 57.0	7.22	H	244.752 431 29	+37.765 826 10		5.15	−18.14	−44.30	0.55	0.58	0.72	0.63	0.71	+10	+ 2	−16	−22	−13	−19	−14	− 4	+ 2	−11								0	0.22
79940	16 19 02.64	−49 24 22.8	7.28	H	244.761 016 61	−49.406 346 66		5.24	10.30	−3.56	0.97	0.60	1.07	1.16	0.80	+35	−36	−25	+44	+34	+ 8	+41	+55	−17	+41								0	1.51
79941	16 19 05.96	+51 45 26.0	9.83	H	244.774 817 17	+51.757 220 65		30.69	−185.21	225.59	0.89	0.88	0.98	0.96	1.00	+ 2	+12	+ 6	+ 5	+10	+ 5	+10	+ 3	− 3	−10								1	0.41
79942	16 19 06.07	−07 19 09.7	7.82	1 H	244.775 289 57	−07.319 361 95		3.59	13.60	−4.05	0.97	0.79	1.09	1.33	1.23	−18	− 1	−26	+26	+21	− 3	+18	− 3	+31	−42								0	2.47
79943	16 19 06.49	−50 09 10.6	8.24	G	244.777 046 77	−50.152 936 24		3.63	−3.02	−8.14	1.04	0.74	1.18	1.36	1.07	+41	−28	−35	+39	+29	+ 3	+37	+58	−28	+40								0	−0.80
79944	16 19 07.07	−41 18 35.6	10.17	H	244.779 447 19	−41.309 884 69		9.28	68.58	−112.55	1.74	1.14	1.94	1.77	1.32	+20	−23	−30	+20	+14	− 1	+22	+47	−27	+ 7								0	−0.36
79945	16 19 07.71	−20 13 04.9	6.29	G	244.782 130 60	−20.218 034 64		6.65	16.84	−15.31	0.81	0.54	0.84	0.94	0.74	−35	−16	− 1	+24	+ 3	+ 6	+ 7	+41	−15	−25								0	1.98
79946	16 19 08.40	−28 17 35.7	7.68	G	244.784 995 21	−28.293 263 73		24.28	51.39	−254.95	0.89	0.59	1.02	1.14	0.74	−14	−25	+ 0	+13	+17	+24	+20	+30	−22	− 8								0	0.86
79947	16 19 08.66	+12 43 48.7	8.55	G	244.786 097 44	+12.730 205 24		6.04	5.25	−1.18	0.97	0.80	1.32	1.36	1.03	− 2	−32	+ 4	+12	−24	−37	−28	+38	−11	+32								0	0.64
79948	16 19 09.42	−06 52 33.9	6.88	H	244.789 241 82	−06.876 091 60		6.46	−13.93	−88.26	0.89	0.78	1.08	1.19	1.09	− 1	−16	−43	+31	+29	−25	+13	− 5	+33	−43								0	0.83
79949 H	16 19 09.73	−54 17 03.3	8.12	2 H	244.790 555 40	−54.284 256 52	A	1.17	−3.21	−5.69	1.96	1.56	2.25	2.05	1.68	+10	− 3	−15	− 9	+ 5	−11	− 4	+18	−14	+33								1	1.62
79950	16 19 10.42	−48 01 29.5	9.08	H	244.793 413 17	−48.024 873 40		5.82	−2.69	−7.81	1.14	0.77	1.37	1.44	1.01	+ 6	−31	+ 2	+20	+14	+18	+ 8	+56	+ 5	+17								0	0.05
79951	16 19 10.68	+46 39 53.0	9.86	H	244.794 512 37	+46.664 716 45		3.90	−8.84	0.14	0.88	0.92	1.05	0.95	0.98	+ 8	+ 5	+ 2	+ 1	+ 3	−10	+ 3	− 7	+ 4	− 5								0	2.25
79952	16 19 10.90	+12 33 23.8	8.59	H	244.795 398 91	+12.556 604 57		6.97	−12.97	−21.92	0.91	0.83	1.41	1.41	1.11	−18	−36	+ 6	+15	−26	−38	−32	+45	−12	+30								0	−0.95
79953	16 19 11.23	+49 02 17.1	5.93	H	244.796 802 16	+49.038 078 05		5.11	−21.35	33.40	0.47	0.54	0.55	0.55	0.62	+14	− 4	−17	−20	+ 5	−14	+ 3	−21	+ 3	+18								1	0.00
79954	16 19 11.98	−30 37 31.6	8.86	H	244.799 899 03	−30.625 454 89		7.29	−6.46	−10.67	1.18	0.79	1.34	1.34	1.02	−45	−17	− 4	−26	+20	−16	+24	+ 0	−24	−43								0	−0.49
79955	16 19 12.55	+21 47 19.1	8.81	H	244.802 297 76	+21.788 626 87		1.87	19.51	−25.73	0.74	0.69	1.10	0.81	0.93	+ 7	−20	− 5	−10	− 8	+ 3	− 9	+ 8	+ 0	+ 3								0	−0.69
79956	16 19 13.15	+38 47 37.2	8.70	G	244.804 779 41	+38.793 662 25		4.75	14.68	1.52	0.66	0.74	0.90	0.80	0.93	− 2	+ 6	−17	+ 4	− 4	+13	− 2	− 2	− 1	−11								0	−0.07
79957 H	16 19 14.48	+41 39 33.6	8.01	G	244.810 314 77	+41.659 321 37	A	3.60	−21.86	15.66	2.33	1.76	0.98	0.93	0.84	−29	− 5	+10	+ 6	− 4	+ 9	− 5	− 6	−19	−23								3	−0.52
79958	16 19 15.85	−55 30 17.2	9.25	2 H	244.816 031 65	−55.504 779 21		36.13	3.77	17.64	1.03	0.82	1.34	1.18	0.98	+24	−23	−18	+46	+34	−20	+35	+52	−17	+22								0	−0.62
79959	16 19 16.47	+16 25 35.9	8.97	H	244.818 623 97	+16.426 647 69		2.67	−24.95	9.90	0.99	0.82	1.27	1.30	1.26	−26	−19	+20	+38	−21	+ 8	−29	+53	+ 8	−11								0	1.25
79960 H	16 19 16.81	−64 34 17.4	8.03	H	244.820 043 02	−64.571 495 42	A	6.32	−13.79	−11.32	1.26	1.26	1.68	1.35	1.48	−27	+14	+ 6	−25	−13	−22	−11	+39	− 2	−31								1	0.14
79961	16 19 17.09	−58 05 28.9	7.67	2 H	244.821 194 74	−58.091 347 71		1.11	4.66	10.80	0.75	0.69	1.00	0.92	0.93	+11	−13	−15	+40	+18	− 7	+23	+55	−19	− 2								0	0.56
79962 H	16 19 17.22	−35 29 26.9	6.63	H	244.821 742 97	−35.490 813 93	*	8.46	−34.28	−34.35	1.18	0.84	0.89	0.90	0.83	−35	− 7	+ 9	+28	−27	−14	−21	+73	− 2	−33								2	0.83
79963 H	16 19 17.64	−42 40 26.2	5.44	G	244.823 501 83	−42.673 940 08	*	6.97	6.62	−10.28	1.22	1.11	1.00	0.89	0.81	−35	+ 7	−25	+40	−26	+ 9	−27	+69	−40	−27								0	−0.01
79964	16 19 17.73	−52 25 30.0	9.02	H	244.823 860 31	−52.424 997 45		2.21	−2.14	−6.52	0.97	0.76	1.25	1.15	1.05	+ 2	−19	− 3	+ 9	− 2	+ 6	− 1	+38	−13	+ 3								0	−1.38
79965	16 19 19.17	+32 34 22.5	11.61	H	244.829 869 35	+32.572 929 00		14.91	−127.10	−132.84	1.85	2.20	2.90	2.23	2.73	+12	− 7	+17	+22	+20	+ 6	+19	+ 5	+16	+22								3	3.58
79966	16 19 19.96	+54 47 27.6	7.90	H	244.833 184 24	+54.791 005 18		1.08	−2.38	−30.25	0.64	0.60	0.68	0.75	0.67	+ 0	+13	−13	+ 5	− 8	− 1	−10	+ 9	−17	+ 5								1	0.33
79967	16 19 20.72	−54 30 48.1	7.09	H	244.836 316 82	−54.513 356 25		22.82	143.86	−98.37	0.65	0.54	0.86	0.75	0.64	+ 6	−18	−21	− 4	−16	−16	−13	+29	−14	− 8								0	−0.71
79968	16 19 21.29	+19 03 31.9	9.50	H	244.838 714 20	+19.058 850 12		6.57	−31.43	15.85	1.21	1.05	1.41	1.56	1.50	+11	− 5	−11	+58	− 3	+17	− 2	+60	−14	+ 3								0	0.83
79969	16 19 22.59	−25 45 38.3	8.16	H	244.844 143 84	−25.760 639 50		27.26	−91.76	−34.37	1.02	0.66	1.11	1.36	0.85	− 3	+ 6	− 2	+45	+14	+42	+15	+46	−20	− 8								0	−0.27
79970	16 19 23.02	−40 56 38.8	8.90	2 H	244.845 931 39	−40.944 118 25		3.15	−2.76	−5.69	1.08	0.84	1.19	1.22	1.01	−19	−24	− 6	+31	−10	− 2	− 6	+54	−10	−22								0	−0.73
79971	16 19 24.45	+72 23 16.8	8.80	H	244.851 863 04	+72.388 010 54		6.57	−28.30	46.01	0.75	0.71	0.76	0.78	0.84	− 7	− 8	−10	− 8	− 4	− 6	+ 1	+31	−14	−20								0	0.01
79972	16 19 25.07	−15 32 45.7	8.51	H	244.854 464 20	−15.546 034 20		4.49	1.89	−1.66	1.05	0.92	1.31	1.68	1.53	−23	−12	−26	+20	−13	−27	−15	+27	+34	−66								0	−0.65
79973	16 19 25.14	−57 53 08.6	9.01	H	244.854 752 67	−57.885 715 26		0.11	−1.99	−1.23	0.96	0.86	1.21	1.16	1.15	+17	−23	−23	+47	+19	− 5	+26	+62	−27	+ 4								0	0.21
79974	16 19 25.87	+29 42 47.9	11.43	2 H	244.857 781 18	+29.713 297 29		−0.26	−22.25	−27.43	1.24	1.44	2.02	1.43	1.87	+ 9	− 7	+ 3	+15	+ 0	+ 2	+ 1	+20	−12	+ 3								2	0.78
79975	16 19 25.93	+05 32 17.4	7.59	G	244.858 026 42	+05.538 173 35		15.30	−32.47	−24.43	0.72	0.57	0.91	1.05	0.93	−49	− 3	+ 5	+16	−15	− 4	−21	+33	− 9	−17								0	−0.18
79976	16 19 28.60	+34 15 46.6	7.97	H	244.869 172 15	+34.262 936 88		3.03	−4.44	−25.87	0.57	0.65	0.84	0.66	0.75	+11	− 7	−28	+16	+23	−26	+15	+ 2	+12	−11								0	−0.49
79977	16 19 29.25	−21 24 13.0	9.09	G	244.871 872 54	−21.403 623 86		7.59	−10.96	−24.87	1.22	0.90	1.29	1.32	1.20	−47	−23	+ 7	+22	−18	+ 9	−13	+54	−15	−44								0	0.62
79978	16 19 29.52	−49 45 40.7	9.96	G	244.873 011 56	−49.761 302 44		1.94	−4.67	−3.63	1.66	1.07	1.91	2.05	1.43	+28	−27	−21	+37	+37	− 2	+41	+43	−21	+46								0	0.14
79979	16 19 31.48	−30 54 06.9	7.29	H	244.881 177 62	−30.901 916 60	B	56.82	58.61	19.58	49.32	31.54	23.38	28.37	20.77	−32	−14	− 7	−26	+17	−12	+21	+ 6	−13	−39								4	0.86
79980	16 19 32.68	−30 54 24.4	5.53	H	244.886 176 34	−30.906 768 96	A	24.10	82.88	21.81	2.10	1.39	1.79	1.81	1.47	−31	−17	− 4	−19	+ 9	−14	+17	+16	−12	−41								4	0.86
79981	16 19 32.69	+70 22 06.6	7.52	H	244.886 228 36	+70.368 505 34		23.04	65.43	27.47	0.59	0.52	0.59	0.59	0.59	+ 8	− 2	− 8	−31	− 9	−24	− 7	+ 9	+ 2	− 8								1	0.30
79982 H	16 19 33.01	−29 56 54.8	8.54	H	244.887 525 86	−29.948 552 96	A	7.60	2.09	−52.39	2.22	1.48	2.20	2.28	1.53	−29	+ 2	−26	+ 8	+11	−22	+ 5	+32	−19	+ 9								2	−0.81
79983	16 19 34.45	−36 24 10.9	9.32	H	244.893 536 24	−36.403 032 91		8.54	−5.43	−24.68	1.14	0.86	1.37	1.22	1.09	−19	−11	−30	+16	−12	+ 6	− 7	+39	−26	−28								0	−2.29
79984	16 19 35.13	−18 49 40.9	7.06	H	244.896 373 63	−18.828 033 24		5.13	−14.57	2.12	0.82	0.56	0.88	1.05	0.79	−27	− 2	−10	+27	−12	+28	−12	+50	−24	−18								0	1.88
79985	16 19 35.96	+26 01 01.4	8.64	H	244.899 827 05	+26.017 048 18		3.01	3.07	8.84	0.66	0.85	1.25	0.70	0.93	+20	−15	− 8	−18	+25	− 6	+22	− 9	− 5	+56								1	0.10
79986	16 19 37.27	+30 13 51.5	9.01	H	244.905 271 74	+30.230 973 09		5.10	1.18	11.18	0.78	0.85	1.18	0.88	1.22	+ 3	+ 7	+ 3	+25	+ 6	− 3	+ 6	+18	− 7	− 6								0	0.46
79987	16 19 37.85	−26 52 30.9	10.23	G	244.907 720 59	−26.875 243 23		3.91	−4.29	−14.42	1.35	0.94	1.55	1.39	1.16	− 4	−44	−29	− 3	−17	+15	− 4	+29	−12	−35								0	−0.33
79988	16 19 38.68	−12 07 52.5	9.07	G	244.911 171 30	−12.131 252 87		7.16	−13.81	1.69	1.39	0.98	1.54	1.48	1.19	−30	−50	+15	+ 3	− 9	+ 4	− 1	+20	−15	−27								0	0.37
79989	16 19 40.62	+11 14 09.8	9.32	H	244.919 233 25	+11.236 052 02		2.36	−4.16	−6.19	1.22	1.01	1.58	1.26	1.35	−38	−43	+ 8	+49	−33	− 9	−41	+69	+10	−20								0	2.31
79990	16 19 41.71	+53 46 18.5	9.12	H	244.923 807 17	+53.771 811 63		3.02	−14.54	−45.96	0.78	0.76	0.84	0.93	0.88	+18	−16	− 7	−12	+10	+16	+ 9	+10	− 9	+31								0	−0.94
79991	16 19 44.40	+02 54 04.5	8.62	H	244.934 994 58	+02.901 259 65		11.17	−25.41	−26.21	1.20	1.00	1.47	1.32	1.23	−16	−30	−41	+33	− 9	+ 8	+ 3	+31	−30	−45								0	2.08
79992	16 19 44.45	+46 18 47.8	3.91	1 H	244.935 199 58	+46.313 270 84		10.37	−13.15	39.31	0.44	0.45	0.53	0.48	0.50	− 1	− 7	− 2	+12	+ 7	+ 0	+ 5	− 9	− 1	−13								0	2.36
79993	16 19 44.91	−59 04

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
79901	9.832	0.022	7.956	0.010		1.559	0.019	T	1.58	0.02	L	7.8962	0.0017	0.013	87		7.87	7.92					1							
79902	10.209	0.032	8.988	0.020	A	1.043	0.030	T	1.01	0.03	L	9.0165	0.0229	0.020	102	A	8.99	9.05		C	16186−5133	I 1	2 C C	AC	227	16.761	0.104	3.46	0.53	
79903	9.462	0.025	9.226	0.029		0.225	0.036	T	0.25	0.04	L	9.2761	0.0021	0.023	70		9.22	9.32		D			1							
79904	10.729	0.038	9.259	0.019		1.238	0.033	T	1.20	0.03	L	9.2524	0.0022	0.019	135		9.22	9.30					1							
79905	12.145	0.214	10.951	0.113		1.022	0.189	T	1.00	0.15	L	11.0977	0.0049	0.037	69		11.02	11.16		C			1							G
79906	8.940	0.012	8.602	0.013		0.288	0.015	G	0.33	0.02	H	8.6803	0.0019	0.017	116		8.65	8.71					1							S
79907	8.350	0.010	8.337	0.012		0.017	0.014	T	0.04	0.01	L	8.3334	0.0012	0.016	121		8.31	8.36					1							
79908	9.742	0.021	9.084	0.019		0.601	0.021	T	0.67	0.02	L	9.1763	0.0027	0.019	78		9.14	9.21		C			1							
79909	9.224	0.015	8.748	0.015		0.461	0.016	T	0.53	0.02	L	8.8127	0.0018	0.015	77		8.79	8.85		C			1							
79910	9.671	0.020	9.058	0.019		0.569	0.020	T	0.64	0.02	L	9.1227	0.0023	0.023	101		9.09	9.15					1							
79911	10.788	0.035	10.168	0.032		0.577	0.041	T	0.65	0.04	L	10.3351	0.0027	0.031	181		10.27	10.38					1							
79912	9.224	0.016	8.703	0.016		0.520	0.015	G	0.59	0.02	H	8.7774	0.0023	0.018	100		8.75	8.80		C			1							
79913	10.698	0.062	10.311	0.073		0.625	0.020	G	0.69	0.02	H	10.2523	0.0034	0.024	100		10.19	10.30		C			1							G
79914	10.025	0.022	8.842	0.013		1.014	0.020	T	0.99	0.02	L	8.8790	0.0022	0.023	182		8.85	8.92		C			1							
79915	11.550	0.136	9.349	0.035	*	1.159	0.317	G	1.71	0.14	S *	9.1678	0.0038	0.024	42	*	9.12	9.21		R	16187−1117	H 1	2 C S A	AB	11	0.135	0.024	0.61	0.90	
79916	11.551	0.070	10.769	0.049		0.710	0.066	T	0.76	0.06	L	11.0046	0.0046	0.048	152		10.92	11.11		C			1							G
79917	10.450	0.023	9.679	0.019		0.686	0.023	T	0.74	0.02	L	9.7582	0.0026	0.037	217		9.70	9.82		U			1 S							
79918	9.587	0.024	8.303	0.015		1.100	0.015	G	1.06	0.02	H	8.3305	0.0018	0.016	89		8.30	8.36					1							
79919	11.098	0.081	9.023	0.025		1.717	0.068	T	1.74	0.07	L	8.9586	0.0027	0.017	42		8.93	9.00		C			1							
79920	10.646	0.032	9.045	0.014		1.341	0.028	T	1.31	0.03	L	9.0469	0.0023	0.025	171		9.01	9.09					1							
79921	10.651	0.071	9.342	0.038		1.112	0.063	T	1.07	0.07	L	9.4109	0.0028	0.023	47		9.35	9.45		C			1							
79922	10.878	0.048	9.333	0.021		1.297	0.041	T	1.26	0.04	L	9.4079	0.0020	0.022	118		9.36	9.45					1							
79923						1.059	0.197	G	1.03	0.16	R	10.7546	0.0046	0.034	72		10.68	10.83					1							G
79924	10.279	0.046	9.679	0.042		0.560	0.055	T	0.63	0.05	L	9.7736	0.0034	0.019	53		9.74	9.80		C			1							
79925	9.803	0.017	8.457	0.010	A	1.120	0.134	G	1.13	0.03	L *	8.4910	0.0020	0.024	155	*	8.45	8.52			16188−6707	H 1	2 C D	AB	257	4.993	0.089	4.20	0.42	D
79926	10.071	0.030	9.343	0.025	B	1.000	0.495	G	0.69	0.05	L *	9.2064	0.0025	0.024	123	*	9.16	9.26		D	16188+1724	I 1	2 C A	BA	72	1.246	0.010	0.05	0.02	S
79927	9.419	0.016	8.951	0.015		0.441	0.020	T	0.51	0.02	L	8.9990	0.0020	0.016	133		8.96	9.03					1							
79928	10.107	0.036	9.656	0.037		0.440	0.015	G	0.51	0.02	H	9.6817	0.0067	0.033	49		9.64	9.74		U			1							
79929	9.367	0.016	8.970	0.017		0.376	0.022	T	0.44	0.02	L	9.0273	0.0015	0.013	107		9.00	9.05					1							
79930	10.889	0.034	10.166	0.028		0.664	0.035	T	0.73	0.03	L	10.2395	0.0028	0.037	245		10.17	10.30					1							
79931	10.794	0.062	9.600	0.033		1.015	0.056	T	0.99	0.04	L	9.6433	0.0027	0.021	78		9.61	9.68		C			1							
79932	7.716	0.037	6.640	0.023		0.931	0.033	T	0.93	0.02	L	6.7270	0.0324	0.230	115		6.33	6.93	9.75	P 1 A			1 S							S
79933	8.648	0.009	8.542	0.011		0.096	0.013	T	0.11	0.01	L	8.5852	0.0019	0.020	167		8.55	8.62		C			1							
79934	9.286	0.018	8.359	0.013		0.860	0.015	G	0.87	0.01	H	8.3831	0.0011	0.012	59		8.37	8.40		D			1							S
79935	10.114	0.032	8.747	0.018		1.021	0.020	G	0.99	0.02	R	8.7499	0.0013	0.013	107		8.73	8.78		D			1							
79936	8.539	0.025	8.462	0.037	*	0.039	0.015	G	0.05	0.01	H *	8.5235	0.0016	0.017	105	–	8.50	8.57		D	16189−5024	I 1	3 C A							G
79937	9.994	0.020	8.100	0.009		1.573	0.017	T	1.59	0.02	L	8.0403	0.0015	0.018	133		8.01	8.07					1							S
79938	7.947	0.010	6.177	0.006		1.475	0.009	T	1.49	0.01	L	6.1027	0.0016	0.007	57		6.09	6.12		C			1 S							S
79939	8.659	0.010	7.330	0.006		1.128	0.009	T	1.09	0.01	L	7.3886	0.0015	0.013	123		7.37	7.41					1							S
79940	7.317	0.008	7.288	0.007		0.027	0.009	T	0.04	0.01	L	7.3011	0.0014	0.009	94		7.28	7.32					1							S
79941	11.397	0.081	9.942	0.033		1.143	0.004	G	1.24	0.01	I	9.9537	0.0028	0.022	108		9.91	10.00					1							
79942	8.158	0.016	7.871	0.016		0.273	0.021	T	0.31	0.03	L	7.8958	0.0042	0.018	42		7.87	7.92	0.71	P 1 A			1							S
79943			8.232	0.008		0.059	0.007	G	0.07	0.01	H	8.2653	0.0014	0.013	106		8.24	8.29					1							
79944	11.003	0.055	10.214	0.046		0.700	0.055	T	0.76	0.05	L	10.3053	0.0028	0.029	96		10.27	10.38					1							G
79945	7.654	0.007	6.419	0.004		1.066	0.006	G	1.13	0.03	C	6.4513	0.0008	0.006	99		6.44	6.46					1							S
79946	8.423	0.012	7.725	0.010		0.616	0.002	G	0.68	0.00	H	7.8044	0.0011	0.009	76		7.79	7.82					1							S
79947	8.920	0.013	8.606	0.014		0.330	0.001	G	0.38	0.00	H	8.6402	0.0015	0.014	88		8.62	8.67		C			1							S
79948	8.322	0.017	7.041	0.010		1.090	0.015	T	1.05	0.02	L	7.0454	0.0013	0.006	49		7.03	7.06		C			1							S
79949	10.646	0.048	8.388	0.014	A	1.699	0.214	G	1.77	0.26	K *	8.2211	0.0030	0.030	105	*	8.17	8.28		U 2	16192−5417	H 1	2 C C	AB	153	4.703	0.071	3.56	0.32	
79950	10.698	0.039	9.223	0.019		1.242	0.034	T	1.20	0.03	L	9.2487	0.0017	0.016	107		9.22	9.28					1							
79951	11.233	0.071	10.012	0.040		1.043	0.064	T	1.01	0.05	L	10.0300	0.0028	0.024	109		9.99	10.08		C			1							
79952	9.111	0.014	8.612	0.014		0.469	0.018	T	0.54	0.02	L	8.6920	0.0013	0.016	90		8.67	8.72		D			1							S
79953	7.717	0.006	6.081	0.003		1.369	0.005	T	1.34	0.01	L	6.0766	0.0008	0.008	107		6.07	6.09		C			1							S
79954	9.439	0.021	8.923	0.021		0.494	0.022	T	0.57	0.02	L	8.9710	0.0017	0.013	74		8.94	8.99		C			1							
79955	10.413	0.026	8.943	0.013		1.238	0.023	T	1.20	0.02	L	8.9788	0.0017	0.020	156		8.93	9.01					1							
79956	8.933	0.011	8.724	0.013		0.210	0.015	G	0.23	0.02	H	8.7601	0.0017	0.016	115		8.73	8.79		C			1							
79957	8.430	0.010	8.054	0.010	*	0.363	0.015	G	0.42	0.02	H *	8.0935	0.0015	0.014	116	*	8.07	8.12		D	16192+4140	I 1	2 C A	AB	292	0.305	0.003	0.23	0.04	S
79958	10.556	0.039	9.421	0.024		1.062	0.020	G	1.03	0.02	K	9.4142	0.0046	0.046	139		9.34	9.48		U 2			1							G
79959	9.577	0.023	9.030	0.022		0.512	0.028	T	0.58	0.03	L	9.0801	0.0020	0.015	93		9.05	9.12					1							
79960	8.451	0.012	8.354	0.015	A	0.100	0.495	G	0.04	0.04	L *	8.0504	0.0014	0.014	134	*	8.02	8.08		D	16193−6434	I 1	2 C A	AB	347	3.794	0.005	1.05	0.02	S
79961	10.062	0.037	7.883	0.013		1.841	0.032	T	2.50	0.06	O	7.6965	0.0032	0.026	106		7.67	7.74		U 2			1							
79962	7.064	0.007	6.668	0.005	*	0.375	0.008	T	0.44	0.01	L *	6.7166	0.0010	0.008	90	*	6.70	6.73		D	16193−3529	I 1	2 C A	AB	273	0.256	0.004	0.13	0.08	S
79963	5.565	0.003	5.451	0.003	*	0.099	0.004	G	0.11	0.00	H *	5.4732	0.0006	0.005	93	*	5.46	5.48		D	16193−4240	I 1	2 C A	AS	72	0.255	0.004	1.04	0.05	S
79964	9.094	0.014	9.047	0.019		0.048	0.022	T	0.06	0.02	L	9.0405	0.0015	0.017	107		9.01	9.08		D			1							
79965											T	11.7410	0.0057	0.066	130		11.61	11.87					1 S							G
79966	9.839	0.021	8.052	0.010		1.488	0.018	T	1.51	0.03	L	8.0257	0.0016	0.013	108		8.00	8.05					1							S
79967	7.886	0.009	7.174	0.007		0.642	0.009	T	0.71	0.01	L	7.2236	0.0009	0.009	108		7.21	7.24		C			1							S
79968	10.211	0.029	9.601	0.026		0.568	0.034	T	0.64	0.03	L	9.6244	0.0021	0.026	122		9.58	9.67					1							
79969	9.083	0.019	8.258	0.015		0.727	0.019	T	0.78	0.01	L	8.3004	0.0017	0.012	81		8.28	8.32		C			1							
79970	9.403	0.017	8.954	0.017		0.424	0.022	T	0.49	0.02	L	8.9969	0.0026	0.050	98		8.95	9.10		U 2			1							
79971	9.280	0.020	8.854	0.020		0.402	0.026	T	0.47	0.03	L	8.8883	0.0018	0.012	96		8.86	8.92					1							S
79972	8.808	0.020	8.552	0.022		0.240	0.030	T	0.27	0.04	L	8.5768	0.0029	0.015	43		8.55	8.60		C			1							
79973	9.003	0.018	9.016	0.024		−0.007	0.028	T	0.01	0.03	L	9.0169	0.0019	0.022	115		8.98	9.05					1							D
79974	11.653	0.081	11.363	0.102		0.276	0.122	T	0.31	0.15	L	11.4975	0.0359	0.248	162		11.18	11.79	0.33	P 1 A			1							G
79975	8.344	0.009	7.658	0.008		0.626	0.015	G	0.69	0.01	H	7.7244	0.0011	0.010	126		7.71	7.75		C			1							S
79976	9.171	0.014	8.079	0.009		0.944	0.013	T	0.93	0.01	L	8.1323	0.0016	0.018	144		8.10	8.17					1							S
79977	9.688	0.023	9.163	0.022		0.492	0.020	G	0.56	0.02	H	9.2051	0.0019	0.016	97		9.16	9.22		C			1							
79978	10.648	0.063	10.131	0.064		0.630	0.025	G	0.70	0.02	H	10.1119	0.0038	0.030	95		10.06	10.16					1							G
79979	7.716	0.009	7.087	0.009	B	0.585	0.011	T	0.66	0.01	L	7.2819	0.1500			B				D	16195−3054	I 2	1 C I D							S D
79980	6.046	0.004	5.551	0.003	A	0.466	0.005	T	0.54	0.01	L	5.6290	0.0423	0.030	85	A	5.53	5.65		D	16195−3054	I 2	1 C P D							S D
79981	8.168	0.010	7.594	0.009		0.564	0.015	G	0.64	0.01	H	7.6459	0.0016	0.013	110		7.62	7.67					1							S
79982	9.380	0.022	8.742	0.019	A	0.800	0.495	G	0.67	0.04	L *	8.6673	0.0015	0.019	82	*	8.64	8.71		D	16196−2957	I 1	2 C A	AB	180	1.371	0.015	1.93	0.10	
79983	10.048	0.035	9.394	0.031		0.598	0.035	T	0.67	0.03	L	9.4519	0.0040	0.025	69		9.41	9.48					1							
79984	7.367	0.007	7.099	0.007		0.255	0.009	T	0.29	0.01	L	7.1323	0.0008	0.008	83		7.12	7.15					1							S
79985	10.625	0.025	8.793	0.009		1.524	0.021	T	1.56	0.03	L	8.7633	0.0019	0.023	230		8.72	8.81					1 S							
79986	10.142	0.023	9.109	0.016		0.899	0.021	T	0.90	0.01	L	9.1722	0.0020	0.023	158		9.13	9.21					1							
79987	10.925	0.059	10.309	0.055		0.622	0.009	G	0.69	0.01	H	10.3601	0.0033	0.018	73		10.32	10.40					1							G
79988	9.767	0.028	9.140	0.026		0.619	0.015	G	0.69	0.01	H	9.1864	0.0027	0.017	54		9.16	9.22		C			1							
79989	10.997	0.050	9.441	0.022		1.306	0.043	T	1.27	0.04	L	9.4769	0.0016	0.020	104		9.45	9.52					1							
79990	10.525	0.041	9.226	0.023		1.104	0.037	T	1.07	0.04	L	9.2818	0.0020	0.018	111		9.25	9.33					1							
79991	9.161	0.026	8.632	0.024		0.496	0.032	T	0.57	0.03	L	8.7250	0.0017	0.017	46		8.70	8.76		C			1							S
79992	3.718	0.002	3.877	0.002		−0.151	0.009	G	−0.19	0.03	C	3.8472	0.0012	0.010	118		3.83	3.86	1.25	P 1 A	16197+4619	I 1	1							S
79993	9.855	0.019	8.663	0.012		1.021	0.018	T	0.99	0.01	L	8.7034	0.0017	0.014	119		8.68	8.74		C			1							
79994	9.114	0.014	7.614	0.008		1.262	0.013	T	1.22	0.01	L	7.6486	0.0014	0.014	113		7.63	7.67					1							S
79995	11.049	0.044	9.323	0.017		1.440	0.037	T	1.44	0.06	L	9.3368	0.0022	0.029	160		9.28	9.39					1							
79996	10.403	0.033	9.677	0.029	B	0.666	0.035	T	0.73	0.03	L	10.1130	0.0806			B				D	16198−4713	I 2	1 C I A							
79997	8.519	0.010	8.075	0.010	A	0.410	0.015	G	0.48	0.02	H	8.1772	0.0165	0.039	112	A	8.08	8.23		D	16198−4713	I 2	1 C P A							
79998	7.291	0.006	7.077	0.006		0.204	0.008	T	0.22	0.01	L	7.1095	0.0014	0.010	114		7.10	7.13					1							S
79999	9.746	0.014	9.070	0.012	*	0.625	0.015	T	0.69	0.01	L *	9.1560	0.0013	0.023	202	*	9.11	9.20		D	16198+2647	I 1	2 C S A	BA	283	0.175	0.006	0.25	0.25	
80000	5.415	0.003	4.132	0.002		1.080	0.002	G	1.03	0.02	A	4.1761	0.0005	0.005	100		4.17	4.18			16198−5009	I 1	1							S

Number HIP	RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 (ICRS) α deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)										Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
*80001	16 19 50.49	+01 29 46.9	8.74	H	244.960 361 56	+01.496 354 36	2.98	−5.30	−12.34	1.19	1.06	1.42	1.57	1.18	−26	+ 1	−51	+19	− 4	+14	+ 3	+ 0	−11	−36	0	−0.84
80002 H	16 19 51.51	−71 26 55.5	8.23	H	244.964 645 67	−71.448 762 14 A	2.24	−0.29	−12.68	1.02	1.23	1.51	1.00	1.35	+27	−11	− 1	+ 1	+ 2	− 3	+ 1	+20	− 3	+17	1	0.38
80003	16 19 51.68	+22 38 24.2	11.52	2 G	244.965 342 78	+22.640 061 27	9.12	−40.27	−451.15	1.89	1.82	3.01	1.98	2.32	+23	−28	−21	−21	−22	+12	−18	+ 9	− 5	+ 5	3	0.86
80004	16 19 51.99	−14 38 35.2	8.20	2 H	244.966 630 04	−14.643 103 41	4.19	−2.24	−1.73	1.00	0.85	1.10	1.32	1.21	−25	−18	−29	+21	−19	+ 6	−14	+35	− 5	−50	0	−0.25
80005	16 19 52.39	+83 41 50.0	7.13	H	244.968 303 94	+83.697 221 01	6.98	−17.94	18.78	0.49	0.52	0.60	0.52	0.69	+14	−26	−30	− 7	+ 3	+ 4	− 1	−25	+14	− 7	0	−0.20
80006 H	16 19 52.59	+23 40 56.3	9.61	H	244.969 134 50	+23.682 318 20 A	3.81	2.93	−15.66	1.78	1.87	2.44	1.93	2.40	+ 4	− 5	− 4	−15	−13	+10	−12	+13	−14	+ 2	0	0.32
80007	16 19 54.38	−69 04 55.5	9.34	H	244.976 594 16	−69.082 079 79	5.86	4.71	1.12	0.65	0.97	1.43	0.67	1.11	+22	−26	−21	− 1	− 9	+ 4	−15	+ 5	+23	+19	0	0.32
80008	16 19 55.24	+39 42 30.9	5.48	H	244.980 170 16	+39.708 590 42	37.29	−129.35	−2.49	0.41	0.43	0.52	0.44	0.49	+ 8	− 8	− 8	−19	− 4	+ 5	− 4	− 4	+ 2	+ 8	1	3.01
80009	16 19 55.36	−20 46 56.5	8.13	G	244.980 663 54	−20.782 349 45	9.01	−7.81	−5.82	1.03	0.67	1.08	1.24	0.91	−34	+ 5	− 7	+30	− 1	+10	− 2	+53	−11	−23	0	1.24
80010	16 19 56.38	−39 31 10.7	8.54	H	244.984 936 73	−39.519 627 61	2.27	−2.34	0.69	1.13	0.80	1.33	1.49	1.16	−24	−14	−15	−10	+ 3	−20	+14	+36	− 5	−46	0	0.10
80011	16 19 58.48	−77 07 24.1	9.39	H	244.993 674 18	−77.123 354 25	5.37	−5.93	−2.23	0.72	0.84	1.04	0.88	0.98	+12	−19	+ 2	+ 3	−18	− 6	−19	+ 0	+15	+20	0	−0.24
80012	16 19 58.81	−03 01 29.7	8.63	H	244.995 036 95	−03.024 929 99	3.12	−9.13	−1.81	1.26	0.93	1.27	1.47	1.11	+ 3	−34	−10	+46	+18	−17	+22	+31	−19	+ 4	0	−0.87
80013	16 19 59.56	−40 49 04.6	7.72	G	244.998 168 43	−40.817 955 85	21.46	42.67	−115.41	0.81	0.65	0.91	0.91	0.80	−20	−22	−14	+20	−15	+ 2	− 9	+52	−17	−28	0	−0.57
80014	16 20 00.14	−59 41 37.9	8.95	H	245.000 576 11	−59.693 873 87	6.26	11.02	−1.22	0.79	0.77	1.21	0.88	0.87	+ 5	−24	−22	+24	+ 7	−28	+ 4	+28	− 7	−14	0	−1.86
80015	16 20 00.16	−45 25 26.7	10.27	H	245.000 656 65	−45.424 071 06	10.13	−32.57	−9.38	1.80	1.14	2.08	2.64	1.80	+22	− 9	− 6	+28	+31	+ 9	+32	+54	−10	+26	0	−2.03
80016	16 20 00.38	−09 51 03.3	8.07	H	245.001 590 66	−09.850 927 35	3.53	2.12	−22.44	1.06	0.77	1.17	0.99	0.88	−14	−45	− 8	+13	−19	+16	− 2	+37	−27	−33	0	1.29
80017 H	16 20 00.48	−64 38 55.4	6.70	G	245.002 018 67	−64.648 735 15 A	7.66	−16.59	−33.10	0.74	0.67	0.95	0.77	0.81	−31	− 7	− 1	−31	−13	− 7	−21	+40	+ 3	−29	1	−0.22
*80018	16 20 04.05	−37 31 53.1	10.56	G	245.016 881 93	−37.531 420 26	118.03	−729.36	991.16	2.16	1.50	2.28	3.27	2.14	−43	+15	−31	−42	+23	−16	+22	− 1	+ 3	−54	0	1.43
*80019	16 20 03.99	−20 02 41.3	8.05	G	245.016 615 53	−20.044 806 44	6.22	−13.90	−25.59	1.11	0.76	1.19	1.38	1.05	−46	− 1	− 4	+17	− 1	+ 8	− 6	+46	−24	−24	0	1.16
80020	16 20 04.08	+45 12 59.9	9.19	2 H	245.017 004 34	+45.216 630 00	2.78	−4.57	11.58	0.69	0.70	0.83	0.82	0.78	− 6	+ 9	− 2	+ 4	+ 5	+ 3	+ 2	− 8	−10	−19	0	−0.10
80021	16 20 04.29	+21 07 57.9	6.04	H	245.017 877 48	+21.132 736 71	9.46	−23.66	−51.93	0.44	0.42	0.70	0.45	0.52	+21	−22	− 6	−38	−16	+10	−14	− 5	− 1	+15	0	−0.75
80022 H	16 20 04.52	−69 57 48.1	8.67	2 H	245.018 826 68	−69.963 354 36 A	1.53	−18.91	−28.37	1.51	1.69	2.28	1.43	1.75	+10	−15	−14	− 1	− 9	−11	−10	+19	+17	− 4	1	3.60
80023	16 20 04.73	−63 56 26.1	7.66	H	245.019 709 27	−63.940 575 27	3.30	11.21	−24.10	0.59	0.65	0.88	0.70	0.78	−14	−20	+ 1	+21	− 4	− 4	− 7	+50	− 3	− 3	0	0.71
80024	16 20 05.50	−20 03 22.8	7.36	1 H	245.022 916 66	−20.056 337 93	6.98	−13.07	−25.21	0.92	0.62	0.95	1.13	0.86	−32	− 6	+ 1	+31	+ 1	+ 5	− 1	+53	−11	−12	0	1.36
80025	16 20 08.79	−36 17 15.4	8.93	H	245.036 631 98	−36.287 612 74	9.83	18.86	−99.46	1.04	0.75	1.22	1.01	0.92	−22	−30	− 7	+15	−14	+ 2	− 6	+39	−26	−24	0	−1.11
80026	16 20 09.23	+27 19 59.9	7.79	H	245.038 474 91	+27.333 309 58	4.47	−21.78	14.69	0.45	0.56	0.79	0.56	0.68	+19	− 5	− 8	−15	+ 0	− 3	+ 0	+ 4	−14	+24	0	−0.71
80027	16 20 09.84	−25 51 26.2	9.54	G	245.040 993 56	−25.857 288 70	4.40	−35.49	−22.28	1.48	0.95	1.59	1.96	1.17	−10	+ 6	+ 0	+50	+ 6	+47	+ 6	+51	−14	−10	0	0.01
80028	16 20 10.56	+73 10 41.9	8.72	H	245.044 014 54	+73.178 309 77	1.48	1.26	0.79	0.69	0.68	0.72	0.69	0.76	− 9	−16	− 1	+ 9	−15	+ 0	−12	+30	− 8	−21	0	1.21
80029 H	16 20 10.58	−23 48 12.1	10.10	G	245.044 089 92	−23.803 357 68 A	6.73	−31.59	−31.94	2.75	1.90	2.66	2.76	2.28	−16	− 4	− 1	+ 3	− 6	−15	− 8	+33	+ 0	−14	2	0.29
80030	16 20 11.16	+05 43 02.7	8.77	H	245.046 514 95	+05.717 426 54	3.21	−21.16	−3.89	0.97	0.83	1.19	1.41	1.40	−64	−10	+13	+20	−22	− 8	−35	+48	− 6	−26	0	0.64
80031	16 20 12.14	−47 14 57.3	8.11	H	245.050 597 53	−47.249 236 65	2.53	−0.89	−7.21	0.89	0.70	1.09	1.18	0.97	−14	−12	−22	+21	−17	+18	−10	+61	−19	−23	4	1.87
80032	16 20 13.15	−46 20 56.7	8.04	H	245.054 789 17	−46.349 080 48	6.65	−17.88	−18.65	0.81	0.55	1.04	0.90	0.77	− 4	−31	−25	+ 0	−14	+ 2	+ 4	+46	−25	−33	0	0.93
80033	16 20 13.43	−38 54 28.4	9.19	G	245.055 979 04	−38.907 888 94	3.31	6.42	−93.37	1.54	0.87	1.73	1.72	1.17	−22	−13	−12	−26	+21	−33	+32	+16	− 8	−37	0	−1.79
80034 H	16 20 13.86	+80 02 33.1	9.02	H	245.057 759 91	+80.042 539 63 A	8.69	21.57	24.62	1.47	1.76	1.55	1.47	1.81	− 2	− 6	−26	+ 6	+22	−23	+16	+26	− 8	+ 9	2	0.02
80035	16 20 14.61	−39 37 48.2	6.89	H	245.060 876 03	−39.630 060 14	4.74	8.51	16.13	0.85	0.59	0.98	1.06	0.83	−17	−13	−19	−12	+ 2	−18	+15	+37	− 1	−46	4	1.13
80036	16 20 15.52	−28 43 00.7	9.11	H	245.064 684 04	−28.716 851 63	6.65	−17.64	−22.98	1.02	0.70	1.24	1.39	0.96	−23	−17	−20	+ 1	+ 1	+22	+ 9	+29	−31	−26	0	0.13
80037	16 20 15.89	−04 33 28.4	8.32	H	245.066 189 87	−04.557 880 46	2.98	−5.03	−3.68	1.17	0.87	1.23	1.25	0.99	−25	−19	− 5	+31	− 1	+15	+ 2	+26	−11	−26	0	−0.34
80038	16 20 16.61	+49 03 06.6	8.14	G	245.069 226 50	+49.051 845 42	9.87	−61.41	51.57	0.59	0.68	0.72	0.70	0.77	+ 8	+ 7	−20	−12	+15	−26	+10	− 3	+ 0	+ 7	1	−1.47
80039	16 20 16.96	+40 15 34.0	8.13	H	245.070 659 99	+40.259 451 90	5.07	−17.00	−10.84	0.60	0.61	0.73	0.60	0.68	− 7	−20	− 3	−24	+ 8	+12	+11	−15	−11	− 9	0	0.01
80040	16 20 17.03	+33 03 11.9	8.37	2 H	245.070 965 00	+33.053 294 66	1.02	−0.75	−6.01	0.66	0.73	0.98	0.73	0.92	+12	− 7	− 5	+19	+ 8	−17	+ 5	+ 6	+ 1	−12	3	0.80
80041	16 20 17.15	−74 18 21.4	7.28	H	245.071 443 39	−74.305 939 88	4.36	16.65	7.39	0.46	0.56	0.71	0.53	0.70	+18	− 7	− 4	+ 1	− 5	− 6	− 6	+11	+ 4	+16	0	−1.00
80042	16 20 18.22	+36 58 32.3	6.57	2 H	245.075 908 13	+36.975 639 05	3.74	−13.91	−22.69	0.52	0.54	0.69	0.57	0.68	+14	+13	− 8	− 6	− 1	− 1	+ 1	+ 1	+12	+11	0	0.32
80043	16 20 18.32	−48 13 26.0	8.91	G	245.076 346 99	−48.223 894 06	38.80	−403.06	−786.66	1.12	0.72	1.37	1.30	0.94	+ 8	−35	−13	+14	+ 4	+ 5	+ 4	+49	− 7	+ 9	0	0.67
80044	16 20 19.44	+11 06 38.4	9.14	H	245.081 008 86	+11.110 660 31	8.27	−11.82	0.87	1.21	1.12	1.52	1.27	1.42	−50	−33	−10	+58	−53	− 6	−55	+77	− 6	−43	0	−0.11
80045	16 20 19.68	+59 46 15.1	7.55	H	245.081 980 42	+59.770 847 54	4.40	−4.29	−15.75	0.53	0.61	0.62	0.60	0.73	+ 4	−14	− 3	+ 5	− 7	+18	− 5	+ 6	−14	− 1	0	−2.30
80046	16 20 20.50	−41 40 04.9	9.14	H	245.085 432 83	−41.668 023 06	7.87	−10.18	−63.52	1.24	0.93	1.42	1.63	1.21	− 7	−13	−11	+23	+ 6	+ 9	+ 2	+54	−12	+10	0	−0.65
80047	16 20 20.84	−78 41 44.4	4.68	2 H	245.086 812 83	−78.695 656 09	4.26	−9.91	−36.59	0.42	0.46	0.57	0.43	0.55	+ 0	−29	+ 5	− 1	− 8	+ 9	−10	− 1	+ 3	− 6	1	−0.30
80048	16 20 21.10	−13 40 51.8	8.90	G	245.087 909 82	−13.681 052 04	7.10	29.33	−18.68	1.27	0.85	1.29	1.44	1.18	+ 1	−35	+ 5	+21	+17	+ 3	+14	+23	+12	− 8	0	1.10
80049	16 20 21.56	−25 06 53.9	8.98	H	245.089 831 57	−25.114 959 95	7.22	−5.49	−8.80	1.19	0.82	1.40	1.17	1.04	−34	−37	− 9	+16	−14	+ 3	+ 2	+41	−38	−33	0	0.07
80050	16 20 21.93	−43 43 44.8	9.29	H	245.091 360 09	−43.729 123 98	8.72	−13.18	−37.34	1.21	0.92	1.78	1.42	1.47	−21	−26	−37	+ 0	−34	+ 6	− 6	+62	−47	−53	0	1.18
80051	16 20 24.56	+52 02 20.6	6.63	H	245.102 339 86	+52.039 044 33	7.89	19.64	−3.76	0.50	0.46	0.53	0.54	0.52	+ 2	+ 4	+ 3	+12	− 3	− 2	− 3	+13	−11	−15	0	1.82
80052	16 20 24.59	−65 42 42.6	8.44	H	245.102 475 09	−65.711 835 35	2.47	−4.50	−7.93	0.55	0.63	1.04	0.64	0.75	− 1	+ 0	− 5	−29	+ 1	− 5	+ 6	+12	+12	−14	1	0.94
80053	16 20 25.02	−04 16 02.1	10.69	G	245.104 268 29	−04.267 254 27	32.97	−417.35	−22.52	2.42	1.46	2.62	2.20	1.71	+ 3	−58	−19	+27	+ 7	− 3	+17	+26	−19	−12	0	0.93
80054	16 20 25.23	−55 08 22.8	5.76	H	245.105 127 53	−55.139 671 35	8.98	19.61	−14.30	0.55	0.45	0.73	0.61	0.54	− 4	−27	−17	+20	+ 7	− 3	+12	+39	−13	−13	0	−0.35
80055	16 20 25.40	+30 30 34.4	8.48	H	245.105 826 94	+30.509 542 89	8.78	−82.76	32.11	0.64	0.85	1.04	0.72	1.08	+ 4	− 2	−12	+15	− 3	+ 6	+ 1	+39	− 4	− 9	0	−0.68
80056	16 20 26.38	+11 56 17.7	8.11	H	245.109 918 75	+11.938 236 84	2.95	−1.28	−44.01	1.02	0.77	1.33	1.29	1.04	−16	−41	+ 0	+44	−16	−10	−25	+59	+10	+21	0	−0.37
80057	16 20 26.86	−78 40 02.7	5.27	1 H	245.111 932 31	−78.667 420 66	4.92	−1.67	−30.98	0.44	0.47	0.59	0.44	0.56	− 2	−30	+ 3	+ 3	− 9	+10	− 9	+ 4	− 4	− 8	1	−0.44
80058	16 20 27.58	−11 31 54.7	10.22	H	245.114 933 90	−11.531 862 70	23.97	−50.79	−82.81	1.98	1.32	2.34	2.13	1.65	−15	−41	−12	+ 2	−20	+26	+ 0	+33	−38	−27	0	−0.07
80059	16 20 28.14	−21 30 32.3	8.58	H	245.117 239 13	−21.508 960 08	9.97	−8.97	−25.49	1.09	0.75	1.22	1.18	1.01	−41	−23	− 3	+ 4	− 7	+17	+ 2	+37	−26	−44	5	1.07
80060	16 20 28.24	−12 54 40.0	6.56	2 G	245.117 665 82	−12.911 115 02	10.96	−49.26	31.84	0.82	0.58	0.87	0.90	0.69	−20	−39	+ 9	+17	+ 3	+15	+ 2	+25	− 1	−13	0	3.54
80061	16 20 29.41	−18 41 25.1	7.81	H	245.122 534 63	−18.690 303 97	2.43	−6.18	−7.19	1.03	0.70	1.03	1.27	1.03	−38	− 3	−11	+39	−24	+16	−25	+63	−24	−28	0	1.44
*80062	16 20 30.58	−20 06 51.8	8.41	G	245.127 401 85	−20.114 390 51 C	26.78	−34.60	−28.12	11.72	6.50	7.79	10.30	6.90	−37	+17	−11	+ 6	+22	− 7	+ 4	+48	−19	+ 6	19	5.47
*80063	16 20 30.27	−20 07 03.6	7.55	G	245.126 128 58	−20.117 671 54 A	−1.46	−13.97	−28.02	4.21	2.85	3.43	4.65	3.26	−30	+15	−11	+24	+14	+ 0	+ 3	+59	−15	− 3	19	5.47
80064	16 20 31.03	−46 15 45.6	9.40	H	245.129 291 84	−46.262 665 02	12.31	−63.18	−83.83	1.33	0.83	1.68	1.50	1.24	− 2	−41	−25	− 9	−24	+ 4	+ 4	+55	−23	−44	5	1.72
80065	16 20 32.52	−45 48 34.6	8.62	1 H	245.135 509 79	−45.809 600 06	23.35	−12.39	−39.29	1.04	0.65	1.32	1.20	0.95	+19	−30	−33	− 1	− 4	− 3	+11	+38	−22	−14	0	0.54
80066	16 20 32.63	−39 25 48.8	6.11	H	245.135 947 72	−39.430 235 00	6.57	−14.10	−45.00	0.73	0.53	0.87	0.91	0.73	−25	−12	−25	−17	+ 0	−28	+10	+27	+ 2	−56	0	0.68
80067	16 20 33.14	−73 20 52.7	9.11	H	245.138 076 20	−73.347 975 36	0.14	−11.72	−12.43	0.71	0.98	1.25	0.83	1.21	+30	− 3	+ 3	− 1	− 3	−14	− 5	+16	− 4	+38	0	−0.90
*80068	16 20 33.58	+51 50 05.2	8.41	H	245.139 907 94	+51.834 782 36	1.79	−0.45	18.38	0.66	0.70	0.74	0.72	0.79	−11	+11	−11	+12	−11	+ 4	−11	+19	−12	−28	0	0.24
*80069	16 20 33.56	−01 45 45.5	11.35	H	245.139 815 64	−01.762 651 76	10.96	−15.95	2.99	3.59	2.34	3.85	4.20	3.18	− 3	−53	−28	− 9	+24	− 5	+18	−16	+ 4	−34	0	0.01
80070 H	16 20 33.83	−29 30 53.4	7.75	H	245.140 956 09	−29.514 820 87 A	2.68	−2.51	−12.18	1.13	0.81	1.24	1.25	0.95	−13	−10	−43	+11	+ 4	− 5	+ 4	+51	−46	− 9	1	−0.99
80071	16 20 34.10	−68 32 11.8	7.20	H	245.142 068 66	−68.536 621 09	5.17	−15.95	−11.42	0.37	0.54	0.79	0.45	0.65	+ 6	−21	− 9	+18	− 4	−10	− 9	+12	+24	+ 1	0	1.55
80072	16 20 34.45	−17 04 54.1	8.37	H	245.143 547 45	−17.081 700 06	4.53	3.06	0.96	1.03	0.88	1.17	1.44	1.19	−13	− 8	−33	+21	−15	−11	−15	+37	+ 5	−38	0	0.57
80073	16 20 34.97	+34 37 40.3	8.86	2 H	245.145 715 59	+34.627 869 62	2.91	0.10	−27.38	0.65	0.78	0.94	0.77	0.99	− 1	+ 6	−12	+18	+ 6	− 9	+ 5	+16	+ 1	−15	0	1.49
80074 H	16 20 35.00	+45 34 44.6	7.51	H	245.145 821 25	+45.579 051 24 *	11.99	−20.53	57.05	0.50	0.51	0.61	0.57	0.56	− 1	− 4	− 7	+11	+ 1	+ 7	− 1	−12	− 2	−13	0	1.10
80075	16 20 35.64	+56 02 36.4	8.77	H	245.148 484 51	+56.043 457 84	2.12	−0.17	1.82	0.61	0.69	0.71	0.76	0.80	+14	−18	−15	+ 3	+ 1	− 5	+ 1	+14	−11	+26	0	0.00
80076	16 20 36.37	+41 02 53.4	8.72	H	245.151 522 58	+41.048 155 92	7.39	−10.64	−29.70	0.76	0.71	0.88	0.97	0.89	+16	−17	− 1	+ 9	+17	+13	+18	+10	− 9	+26	0	−0.75
80077	16 20 36.59	+25 53 13.0	8.11	1 H	245.152 477 48	+25.886 951 04	4.87	−4.72	− 3.37	0.52	0.65	0.98	0.56	0.75	+19	− 8	− 9	−22	+14	−17	+14	−16	−13	+49	1	1.81
80078	16 20 36.78	+26 06 17.5	8.68	H	245.153 235 01	+26.104 868 44	1.89	10.91	−21.45	0.63	0.78	1.22	0.74	0.90	+21	−13	−20	−17	+14	−10	+12	−12	−10	+39	1	−0.48
80079	16 20 38.18	−24 10 09.4	4.55	1 G	245.159 097 58	−24.169 284 27	2.77	−4.23	−14.71	0.69	0.50	0.76	0.68	0.60	−29	−37	− 2	+19	−19	+ 4	−10	+43	−25	−27	0	2.73
80080	16 20 38.26	−33 06 30.1	9.19	H	245.159 425 06	−33.108 348 57	6.08	23.23	−11.60	1.25	0.95	1.58	1.60	1.35	−31	−13	−30	+ 0	−18	+17	− 8	+53	−47	−36	0	−1.82
80081	16 20 38.85	−56 02 27.0	9.49	G	245.161 884 89	−56.040 826 25	11.50	−14.91	−212.70	1.25	1.01	1.41	1.48	1.20	+42	−13	−17	+62	+60	−17	+59	+66	−18	+48	0	−0.13
80082	16 20 39.67	−08 05 43.9	9.97	H	245.165 299 68	−08.095 519 79	5.38	21.46	−10.09	1.48	1.16	1.81	2.02	1.51	− 2	−19	−45	+18	+12	− 8	+ 6	+ 3	+16	−28	0	−1.27
80083	16 20 40.79	−17 38 54.7	11.37	G	245.169 947 94	−17.648 517 14	23.99	−323.20	−470.24	2.52	1.56	2.66	3.24	2.41	−11	−37	− 5	+13	− 1	−13	+ 0	+47	− 9	− 8	3	−1.40
80084	16 20 41.67	+49 47 30.8	9.15	H	245.173 629 74	+49.791 895 24	7.37	21.20	−29.33	0.76	0.86	0.90	0.98	1.05	+15	− 6	−16	+14	+ 4	− 2	+ 2	−12	− 3	+10	1	0.94
80085	16 20 43.29	−21 50 26.3	6.80	H	245.180 393 30	−21.840 652 73	3.60	2.41	− 8.96	0.83	0.62	0.92	0.89	0.81	−37	−16	−17	+14	−25	+ 6	−19	+50	−21	−44	2	0.06
80086	16 20 45.85	+20 33 31.7	10.49	H	245.191 039 04	+20.558 816 09	12.90	−125.61	130.21	1.17	1.11	1.88	1.17	1.35	+19	−16	−13	−51	−22	+12	−15	+ 6	+11	+ 1	1	0.15
80087	16 20 46.34	−12 41 52.5	9.31	G	245.193 093 53	−12.697 919 01	3.94	− 8.85	−15.56	1.56	0.98	1.74	1.57	1.23	−22	−57	+ 3	+11	− 3	+17	+11	+25	−24	−26	0	0.76
80088	16 20 50.24	−22 35 38.6	9.00	G	245.209 324 32	−22.594 059 53	6.09	− 9.50	−18.98	1.33	0.91	1.62	1.51	1.40	−39	+12	−26	+11	−11	−16	−31	+62	−49	− 5	0	−0.16
80089	16 20 50.32	−62 39 07.1	8.96	H	245.209 664 75	−62.651 973 50	8.54	−25.58	−30.09	0.80	0.89	1.09	1.03	1.09	−21	− 5	−21	+32	−30	+ 6	−21	+63	−22	−39	0	0.06
80090	16 20 51.13	−68 19 29.5	9.00	H	245.213 035 68	−68.324 869 08	1.44	−30.95	−39.59	0.69	0.98	1.54	0.86	1.28	+11	−13	− 3	+ 2	+ 6	+ 0	− 1	+14	+40	+18	0	−0.39
80091	16 20 51.25	+54 23 10.1	7.76	H	245.213 538 97	+54.386 132 77	4.60	− 8.61	31.41	0.63	0.58	0.66	0.78	0.64	+11	+12	−22	− 1	−18	+15	−14	+14	−15	+ 0	0	0.83
80092	16 20 51.63	+24 58 18.9	9.33	H	245.215 139 17	+24.971 921 79	5.83	2.48	18.36	0.58	0.85	1.30	0.64	0.99	+ 4	−12	+ 5	− 8	+ 9	− 9	+13	−16	−18	+24	0	−1.08
80093	16 20 52.75	+40 57 40.2	8.99	H	245.219 790 56	+40.961 175 61	62.86	−13.37	112.14	0.77	0.78	0.90	1.04	0.98	+18	−10	− 2	+26	+19	+ 6	+20	+15	− 6	+28	0	−1.70
80094	16 20 56.39	−47 00 29.4	8.96	H	245.234 971 36	−47.008 157 08	2.14	− 4.85	−11.28	1.03	0.75	1.27	1.29	1.03	− 2	−11	−15	+12	+ 0	+14	+ 8	+48	−15	−14	0	0.28
80095	16 20 57.39	+67 54 26.9	8.55	H	245.239 133 88	+67.907 460 20	1.70	−0.27	0.71	0.64	0.76	0.70	0.76	1.04	−11	−16	− 2	+ 3	−13	+ 6	−14	+39	+ 2	−13	0	−0.46
80096	16 21 00.34	+19 21 39.3	9.11	H	245.251 408 78	+19.360 913 81	23.36	−46.44	−256.34	1.01	0.83	1.25	1.25	1.10	+10	−22	−10	+38	+ 2	+ 2	+ 4	+35	− 9	+11	0	0.96
80097	16 21 01.11	−06 35 49.9	9.31	H	245.254 604 81	−06.597 188 13	2.75	14.06	−12.06	1.23	1.05	1.36	1.59	1.23	− 1	−11	−43	+22	+42	−16	+31	−19	+18	−28	0	0.59
80098	16 21 02.35	−30 21 08.8	9.47	H	245.259 783 20	−30.352 448 88	4.23	−22.22	−19.53	1.31	0.90	1.54	1.53	1.12	−30	+ 5	−28	−21	+10	−16	+ 9	+21	−21	−34	0	−1.96
80099	16 21 04.33	+72 19 00.7	8.92	G	245.268 024 38	+72.316 867 25	3.65	−12.93	12.05	0.73	0.68	0.73	0.80	0.84	− 8	+ 7	− 9	−20	− 6	− 8	−

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
80001	10.588	0.050	8.926	0.022		1.389	0.043	T	1.36	0.05	L	8.8866	0.0019	0.016	50		8.87	8.92		C			1							
80002	8.330	0.007	8.378	0.010	A	−0.100	0.495	G	0.02	0.01	L *	8.2435	0.0016	0.018	189	*	8.22	8.28		D	16198−7127	I 1	2 C A	AB	201	3.653	0.011	1.77	0.04	
80003						0.723	0.028	G	0.77	0.02	H	11.6659	0.0059	0.067	134		11.52	11.77		U			1 S							G
80004	10.480	0.043	8.502	0.017		1.676	0.038	T	3.05	0.05	O	8.1015	0.0033	0.032	60		8.03	8.16		U 2			1 S							
80005	7.339	0.005	7.147	0.007		0.184	0.008	T	0.20	0.01	L	7.1899	0.0008	0.008	111		7.18	7.21		C			1							S
80006	11.011	0.047	9.775	0.026	*	1.055	0.042	T	1.02	0.03	L *	9.7720	0.0028	0.033	144	*	9.71	9.83		D	16199+2341	I 1	2 C A	AB	255	0.646	0.017	2.35	0.10	
80007	9.942	0.014	9.353	0.013		0.551	0.014	T	0.62	0.01	L	9.4631	0.0019	0.031	267		9.41	9.52					1 S							
80008	5.972	0.003	5.538	0.003		0.410	0.004	T	0.48	0.00	L	5.5709	0.0006	0.005	114		5.56	5.58		C	16199+3943	I 1	1							S
80009	8.477	0.011	8.163	0.012		0.305	0.015	G	0.35	0.02	H	8.2158	0.0014	0.012	101		8.20	8.24		C			1							S
80010	10.904	0.060	8.793	0.018		1.746	0.050	T	1.77	0.05	L	8.6395	0.0031	0.019	80		8.61	8.67					1							
80011	9.761	0.017	9.415	0.018		0.335	0.015	G	0.39	0.02	H	9.4742	0.0021	0.022	154		9.43	9.51		C			1							
80012	10.033	0.034	8.725	0.020		1.111	0.031	T	1.07	0.03	L	8.7953	0.0021	0.018	48		8.77	8.84		C			1							
80013	8.538	0.010	7.789	0.009		0.666	0.000	G	0.73	0.00	H	7.8530	0.0013	0.011	93		7.84	7.87					1							S
80014	9.672	0.017	8.988	0.015		0.632	0.019	T	0.70	0.02	L	9.0812	0.0025	0.021	112		9.04	9.12		C	16200−5942	I 1	1							
80015	11.138	0.052	10.272	0.038		0.774	0.048	T	0.81	0.03	L	10.4219	0.0037	0.039	131		10.37	10.49					1							G
80016	9.659	0.023	8.219	0.013		1.215	0.021	T	1.17	0.02	L	8.2397	0.0029	0.018	60		8.21	8.26					1							
80017	6.749	0.005	6.750	0.007	A	0.000	0.015	G	0.01	0.01	L *	6.7214	0.0007	0.009	148	*	6.71	6.74		D	16200−6439	I 1	2 C A	AB	314	1.247	0.009	2.32	0.02	S
80018						1.550	0.042	G	2.47	0.02	A	10.5964	0.0043	0.032	74		10.56	10.71			16201−3732	I 1	1 G							G
80019	8.389	0.010	8.083	0.011		0.287	0.015	G	0.33	0.02	H	8.1474	0.0018	0.014	106		8.12	8.17		C	16201−2003	I 2	1							S
80020	9.606	0.019	9.240	0.020		0.347	0.026	T	0.41	0.04	L	9.2724	0.0110	0.070	122		9.19	9.38	0.49	P 1 A			1							
80021	7.235	0.004	6.142	0.002		0.938	0.002	G	0.92	0.03	G	6.2014	0.0005	0.007	198		6.19	6.21					1							S
80022	9.404	0.012	8.826	0.011	*	0.543	0.012	T	0.62	0.01	L *	8.7909	0.0018	0.027	238	*	8.75	8.91		U 2	16201−6958	I 1	2 C A	AB	111	0.571	0.003	0.82	0.02	
80023	9.246	0.014	7.803	0.008		1.217	0.013	T	1.18	0.01	L	7.8290	0.0015	0.013	135		7.81	7.85					1							
80024	7.523	0.007	7.370	0.008		0.156	0.006	G	0.17	0.01	H	7.4107	0.0035	0.026	107		7.38	7.46	3.92	P 1 A	16201−2003	I 2	1							S P
80025	9.460	0.022	8.947	0.022		0.482	0.028	T	0.55	0.03	L	9.0357	0.0019	0.015	72		9.01	9.06		C			1							
80026	8.047	0.006	7.814	0.006		0.222	0.008	T	0.24	0.01	L	7.8550	0.0012	0.016	195		7.83	7.88					1							S
80027	10.340	0.043	9.707	0.040		0.634	0.016	G	0.70	0.01	H	9.6676	0.0036	0.018	69		9.64	9.70		C			1							
80028	10.377	0.030	8.819	0.015		1.308	0.026	T	1.27	0.03	L	8.8721	0.0016	0.017	120		8.85	8.90					1							
80029	10.950	0.063	10.319	0.059	*	0.701	0.020	G	0.76	0.02	H *	10.2168	0.0046	0.034	90	*	10.16	10.27			16202−2348	H 1	2 C A	AB	18	0.817	0.028	2.49	0.09	G
80030	10.258	0.028	8.918	0.016		1.136	0.025	T	1.10	0.03	L	8.9385	0.0017	0.016	136		8.91	8.97		C			1							
80031	10.062	0.024	8.266	0.011		1.495	0.021	T	1.52	0.03	L	8.2337	0.0019	0.012	113		8.21	8.26					1							
80032	8.135	0.007	8.037	0.008		0.088	0.010	T	0.10	0.01	L	8.0779	0.0014	0.011	123		8.06	8.10		C			1							S
80033	11.253	0.075	9.453	0.026		1.733	0.002	G	2.96	0.01	I	9.2415	0.0024	0.023	75		9.21	9.27					1							
80034	9.656	0.019	9.156	0.018	A	0.700	0.495	G	0.56	0.05	L *	9.1236	0.0018	0.017	102	*	9.10	9.16		D	16202+8003	I 1	2 C A	AB	325	1.443	0.017	1.91	0.07	
80035	8.184	0.011	7.000	0.008		1.015	0.011	T	0.99	0.01	L	7.0549	0.0014	0.010	89		7.04	7.07					1							S
80036	9.780	0.024	9.189	0.022		0.552	0.024	T	0.62	0.02	L	9.2276	0.0020	0.015	87		9.20	9.25					1							
80037	10.042	0.037	8.454	0.018		1.331	0.032	T	1.29	0.04	L	8.4801	0.0033	0.014	51		8.45	8.50		C			1							
80038	8.772	0.012	8.210	0.011		0.526	0.015	T	0.60	0.02	L	8.2619	0.0015	0.015	108		8.24	8.29					1							S
80039	8.620	0.011	8.175	0.011		0.423	0.015	G	0.49	0.02	H	8.2226	0.0012	0.013	122		8.20	8.25		C			1							S
80040	10.516	0.033	8.570	0.012		1.650	0.029	T	2.00	0.07	O	8.4534	0.0026	0.024	135		8.41	8.49		U 2			1 S							
80041	8.574	0.008	7.398	0.005		1.008	0.007	T	0.98	0.01	L	7.4422	0.0010	0.012	174		7.42	7.46		C			1							S
80042	8.609	0.010	6.773	0.005		1.527	0.009	T	1.57	0.02	L	6.6853	0.0026	0.020	108		6.65	6.71		U 2			1							S
80043	10.096	0.025	9.006	0.017		0.941	0.022	G	0.99	0.02	I	9.0483	0.0015	0.013	104		9.02	9.07		C			1							
80044	9.749	0.021	9.203	0.019		0.512	0.025	T	0.58	0.03	L	9.2479	0.0017	0.017	106		9.22	9.28		C			1							
80045	8.880	0.012	7.658	0.008		1.044	0.011	T	1.01	0.01	L	7.7199	0.0018	0.012	116		7.70	7.74					1							S
80046	9.783	0.022	9.211	0.021		0.538	0.023	T	0.61	0.02	L	9.2535	0.0025	0.020	80		9.22	9.31					1							
80047	6.801	0.009	4.926	0.008		1.680	0.110	G	2.67	0.02	A	4.6689	0.0091	0.079	132		4.56	4.76		U 2	16204−7841	I 2	1 S							S
80048	9.395	0.023	8.938	0.022		0.443	0.004	G	0.51	0.00	H	8.9987	0.0027	0.012	51		8.97	9.04		C			1							
80049	10.820	0.069	9.153	0.026		1.393	0.058	T	1.37	0.07	L	9.1332	0.0018	0.016	87		9.11	9.16					1							
80050	10.301	0.030	9.363	0.022		0.814	0.029	T	0.84	0.02	L	9.4347	0.0019	0.017	97		9.40	9.46		C			1							
80051	6.731	0.004	6.644	0.005		0.085	0.006	T	0.10	0.01	L	6.6649	0.0009	0.008	106		6.65	6.68		C			1							S
80052	8.422	0.007	8.432	0.009		−0.004	0.010	T	0.02	0.01	L	8.4473	0.0017	0.017	187		8.42	8.47		C			1							
80053						1.377	0.005	G	1.72	0.02	A	10.7732	0.0044	0.030	49		10.71	10.82		C			1							G
80054	6.995	0.005	5.860	0.003		0.970	0.000	G	0.95	0.00	H	5.9235	0.0009	0.007	119		5.91	5.94					1							S
80055	9.655	0.016	8.591	0.011		0.922	0.015	T	0.92	0.01	L	8.6441	0.0016	0.020	166		8.61	8.68					1							S
80056	9.305	0.017	8.216	0.012		0.941	0.016	T	0.93	0.01	L	8.2754	0.0013	0.013	96		8.25	8.30		C			1							S
80057	7.122	0.005	5.428	0.003		1.413	0.012	G	1.43	0.02	A	5.4090	0.0007	0.010	143		5.39	5.43		M	16204−7841	I 2	1							S
80058	11.499	0.120	10.295	0.071		1.015	0.015	G	1.07	0.02	I	10.3566	0.0028	0.020	50		10.30	10.39		C			1							G
80059	8.974	0.013	8.605	0.014		0.357	0.020	G	0.42	0.02	H	8.6638	0.0021	0.013	96		8.64	8.69					1							
80060	6.989	0.007	6.612	0.007		0.385	0.012	G	0.45	0.01	H	6.6468	0.0026	0.026	45		6.63	6.71		U 2			1							S P
80061	9.429	0.019	7.940	0.010		1.253	0.017	T	1.21	0.02	L	7.9713	0.0012	0.010	93		7.96	7.99					1							
80062						0.400	0.015	G	0.46	0.03	L	8.4691	0.0175			C				D	16205−2007	I 2	1 C I A							
80063	7.964	0.009	7.589	0.008	A	0.478	0.015	G	0.55	0.02	H	7.6376	0.0091	0.038	107	A	7.60	7.75		D	16205−2007	I 2	1 C P A							S
80064	10.520	0.030	9.511	0.020		0.870	0.028	T	0.88	0.02	L	9.5410	0.0018	0.021	122		9.51	9.57		C			1 S							G
80065	9.469	0.015	8.669	0.012		0.708	0.015	T	0.76	0.01	L	8.7567	0.0023	0.025	136		8.72	8.80		U			1							
80066	6.024	0.003	6.098	0.004		−0.079	0.003	G	−0.06	0.00	H	6.0947	0.0010	0.007	87		6.09	6.11		C	16205−3926	I 1	1							S
80067	10.534	0.026	9.218	0.014		1.118	0.023	T	1.08	0.02	L	9.2743	0.0025	0.025	174		9.24	9.33					1							
80068	9.630	0.021	8.516	0.014		0.960	0.020	T	0.95	0.02	L	8.5726	0.0013	0.012	113		8.55	8.60		C	16206+5150	I 1	1							
80069						0.667	0.155	G	0.73	0.13	R	11.4915	0.0116	0.056	35		11.38	11.60					1							G
80070	8.014	0.009	7.809	0.011	*	0.189	0.014	T	0.21	0.02	L *	7.8125	0.0012	0.010	82	*	7.79	7.83		D	16206−2931	I 1	2 C A	AB	203	0.688	0.005	2.33	0.03	S
80071	7.131	0.003	7.188	0.005		−0.048	0.005	T	−0.03	0.01	L	7.1891	0.0007	0.010	200		7.17	7.21					1							S
80072	9.781	0.027	8.479	0.016		1.107	0.025	T	1.07	0.03	L	8.5364	0.0017	0.011	55		8.52	8.56		C			1							
80073	10.536	0.031	9.096	0.016		1.233	0.029	T	3.33	0.07	O	8.6715	0.0148	0.153	133		8.41	8.93		U 2 C			1 S							
80074	8.790	0.010	7.609	0.007	*	1.012	0.009	T	0.99	0.01	L *	7.6714	0.0011	0.010	132	*	7.65	7.69		C	16206+4535	H 1	2 C S D	AB	259	0.154	0.086	2.94	0.99	S D
80075	9.066	0.014	8.801	0.015		0.271	0.015	G	0.31	0.02	H	8.8434	0.0015	0.018	110		8.82	8.88		C			1							
80076	9.243	0.013	8.751	0.012		0.463	0.016	T	0.53	0.02	L	8.8192	0.0018	0.019	122		8.79	8.85		C			1							S
80077	8.566	0.007	8.161	0.007		0.407	0.015	G	0.47	0.02	H	8.2041	0.0014	0.020	241		8.17	8.24		M			1							S
80078	9.923	0.015	8.794	0.010		0.972	0.014	T	0.96	0.01	L	8.8466	0.0017	0.024	213		8.81	8.89					1							S
80079	5.519	0.003	4.675	0.002		0.758	0.003	T	0.80	0.00	L	4.6441	0.0009	0.009	96		4.64	4.66		M			1							S
80080	9.857	0.024	9.242	0.022		0.570	0.024	T	0.64	0.02	L	9.3186	0.0022	0.017	72		9.29	9.35		C			1							
80081	10.197	0.022	9.592	0.021		0.567	0.002	G	0.64	0.00	H	9.6203	0.0023	0.023	153		9.59	9.67		C			1							G
80082	10.575	0.062	10.061	0.066		0.483	0.082	T	0.55	0.09	L	10.0715	0.0027	0.019	40		10.03	10.10					1							G
80083						1.177	0.008	G	1.29	0.01	I	11.5030	0.0067	0.050	74		11.37	11.56					1							G
80084	9.843	0.021	9.230	0.019		0.571	0.025	T	0.64	0.02	L	9.2773	0.0018	0.017	113		9.24	9.31					1							
80085	9.091	0.015	7.032	0.006		1.704	0.013	T	1.73	0.01	L	6.9038	0.0012	0.011	91		6.89	6.93					1							S
80086	11.514	0.057	10.626	0.043		0.791	0.053	T	0.82	0.04	L	10.6402	0.0033	0.045	190		10.55	10.70					1							G
80087	9.776	0.027	9.308	0.028		0.390	0.020	G	0.46	0.02	H	9.4264	0.0038	0.020	48		9.40	9.46		C			1							
80088	9.465	0.026	9.032	0.027		0.434	0.020	G	0.50	0.02	H	9.0954	0.0017	0.011	62		9.07	9.11					1							
80089	9.660	0.019	9.026	0.017		0.584	0.019	T	0.66	0.02	L	9.0877	0.0019	0.020	129		9.05	9.13		C			1							
80090	10.222	0.020	9.101	0.013		0.965	0.019	T	0.95	0.01	L	9.1586	0.0021	0.026	180		9.11	9.20					1 S							
80091	7.975	0.008	7.778	0.009		0.188	0.011	T	0.21	0.01	L	7.8187	0.0010	0.011	104		7.80	7.84		C			1							S
80092	9.825	0.015	9.373	0.015		0.426	0.019	T	0.49	0.02	L	9.4300	0.0020	0.026	221		9.39	9.48					1							
80093	10.643	0.032	9.133	0.015		1.286	0.009	G	1.47	0.01	I	9.0960	0.0020	0.020	122		9.07	9.13		C			1							
80094	10.951	0.049	9.119	0.017		1.524	0.041	T	1.56	0.06	L	9.0893	0.0021	0.019	116		9.05	9.12					1							
80095	10.583	0.037	8.711	0.015		1.556	0.032	T	1.57	0.03	L	8.6706	0.0020	0.018	107		8.64	8.70					1							
80096	10.465	0.051	9.210	0.028		1.160	0.040	G	1.26	0.07	I	9.2348	0.0021	0.020	108		9.20	9.27					1							
80097	11.047	0.062	9.473	0.027		1.320	0.053	T	1.28	0.06	L	9.4715	0.0025	0.016	56		9.44	9.49		C			1 S							
80098	10.015	0.031	9.499	0.031		0.494	0.033	T	0.57	0.04	L	9.5750	0.0023	0.018	88		9.54	9.61		C			1							
80099	9.149	0.017	8.886	0.019		0.198	0.001	G	0.22	0.00	H	8.9783	0.0013	0.012	90		8.96	9.00					1							
80100	11.128	0.054	9.339	0.021		1.520	0.048	T	1.99	0.13	O	9.2290	0.0038	0.031	111		9.18	9.29		U 2			1							

Number	Descriptor: epoch J1991.25					Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V			α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
1 2	h m s	±° ′ ″	mag			deg	deg		mas	mas/yr		mas			mas/yr		19	20	21	22	23	24	25	26	27	28	%	
	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18											29	30
80101	16 21 05.48	+00 37 39.9	7.96		H	245.272 836 27	+00.627 760 97		3.52	14.37	−1.40	1.16	0.92	1.26	1.46	1.14	−19	+ 9	−36	+38	+ 2	+19	+ 3	+10	−19	−38	0	0.73
80102	16 21 05.75	+58 27 02.8	12.79	3	H	245.273 964 95	+58.450 772 65		1.73	−7.36	11.24	3.16	3.35	3.37	3.24	3.66	+10	−25	−12	−29	+11	+17	+17	−28	−13	+ 1	4	1.26
80103	16 21 06.20	+23 38 06.6	9.00		H	245.275 838 06	+23.635 164 10		2.76	10.39	−8.16	0.87	0.91	1.29	1.04	1.18	+ 6	− 9	− 2	−12	−11	+ 7	−13	+19	−12	+13	0	0.81
80104	16 21 06.92	−47 39 37.9	10.33		H	245.278 847 03	−47.660 539 63		9.39	44.10	−8.89	2.06	1.67	2.42	2.87	2.51	− 2	−14	−29	+25	−20	+16	−10	+73	−16	−17	0	−0.18
80105	16 21 07.01	+28 30 12.7	9.26		H	245.279 196 63	+28.503 532 89		2.83	−11.39	−5.88	0.77	1.06	1.39	0.85	1.39	+18	−14	− 9	+24	+10	+14	+17	+40	−17	+ 2	0	0.83
80106	16 21 07.38	+46 42 07.5	9.13		H	245.280 754 83	+46.702 097 03		3.63	0.25	7.65	0.77	0.80	0.94	0.86	0.90	− 4	+19	+ 2	− 7	− 1	−18	+ 1	+ 7	+ 2	−22	0	2.00
80107	16 21 07.54	−12 01 34.9	9.39		H	245.281 395 85	−12.026 371 38		11.24	−9.90	−34.27	1.46	1.04	1.65	1.51	1.23	−31	−46	+ 4	+ 7	−20	+14	− 6	+32	−26	−32	0	−0.39
80108	16 21 07.74	−31 45 45.5	9.11		G	245.282 251 17	−31.762 641 79		4.98	−1.99	−14.22	1.34	0.80	1.39	1.50	1.05	− 9	−38	+ 1	+24	+23	+ 2	+29	+28	−18	−11	0	−0.71
80109	16 21 08.32	−19 56 40.1	8.72		G	245.284 652 02	−19.944 475 28		19.52	−136.19	−225.35	1.19	0.73	1.22	1.31	0.98	−30	−28	+ 2	+35	−10	+ 3	− 7	+56	−13	−20	0	0.75
80110	16 21 08.49	+51 29 18.9	7.93		H	245.285 369 88	+51.488 569 63		2.23	5.35	−7.94	0.57	0.59	0.64	0.62	0.68	+ 6	− 3	− 4	− 4	− 1	− 7	+ 0	+ 0	− 5	− 2	3	0.64
80111	16 21 10.72	+22 14 23.5	6.91		G	245.294 653 05	+22.239 856 45		3.69	−7.66	−14.05	0.55	0.55	0.87	0.67	0.75	+24	−23	− 3	−21	−21	+18	−17	−12	−16	+21	0	−1.28
80112	H 16 21 11.32	−25 35 33.9	2.90	1	G	245.297 177 18	−25.592 752 59	A	4.44	−10.03	−18.03	1.10	0.90	0.81	1.00	0.69	+ 2	− 1	− 4	+27	+20	+32	+16	+38	− 9	+14	4	1.23
80113	16 21 11.91	+43 49 11.1	7.94		H	245.299 634 36	+43.819 763 82		5.05	21.30	1.51	0.57	0.54	0.69	0.64	0.57	− 4	− 2	+ 2	+ 8	+ 3	− 9	+ 2	−11	− 5	−12	0	1.14
80114	16 21 12.16	−71 17 09.4	9.76		G	245.300 662 17	−71.285 936 11		7.99	−463.99	−416.92	0.83	1.04	1.41	0.89	1.27	+22	−18	+ 7	+ 8	+12	+ 0	+ 9	+23	+ 8	+34	0	−0.79
80115	16 21 12.55	−52 28 11.1	7.65		H	245.302 283 09	−52.469 758 38		4.78	−22.02	−24.70	0.87	0.63	1.02	1.20	0.89	+13	+ 1	− 7	+19	+ 9	+ 5	+ 7	+37	− 5	+23	0	−0.49
80116	16 21 13.12	−72 39 12.6	9.60		H	245.304 673 13	−72.653 489 30		3.93	−6.45	−22.56	0.74	1.04	1.38	0.78	1.35	+22	− 9	+11	− 8	− 2	−25	+ 4	+ 5	−26	+26	0	0.36
80117	H 16 21 14.74	+22 59 18.8	7.92		G	245.311 427 62	+22.988 564 51	*	14.82	−1.29	−45.59	1.15	1.44	1.11	0.83	0.92	+16	−23	− 5	−17	− 6	+ 7	− 1	+ 5	−12	− 1	0	0.69
80118	16 21 15.60	+27 22 30.6	8.57		H	245.314 988 84	+27.375 156 15		16.64	−7.88	170.15	0.56	0.74	0.99	0.66	0.90	+17	− 8	− 6	−19	− 4	+ 4	− 3	− 1	− 7	+16	2	3.11
80119	16 21 15.88	−30 06 04.2	8.27		G	245.316 172 11	−30.101 180 52		6.85	26.16	−3.90	0.94	0.63	1.16	1.03	0.85	−19	−20	−23	− 1	−13	+ 3	− 2	+40	−43	−26	0	−1.82
80120	16 21 16.14	−01 52 11.1	8.93		H	245.317 230 53	−01.869 758 28		12.03	−18.49	−80.98	1.89	1.10	2.01	2.00	1.41	+ 5	−67	−33	−26	+19	+15	+22	−23	− 6	−31	0	−0.46
80121	16 21 16.26	+48 52 58.0	9.38		H	245.317 741 16	+48.882 775 87		2.51	15.19	1.02	0.86	0.85	0.96	0.94	1.00	− 1	+ 5	− 5	−23	+22	−23	+22	− 7	−15	− 1	0	0.54
80122	H 16 21 16.78	+74 33 47.0	10.80		H	245.319 901 06	+74.563 063 95	A	18.34	−103.78	220.23	1.83	1.65	1.68	1.57	1.85	+11	−18	−13	−26	+ 0	+ 3	− 5	+ 3	+10	+14	2	0.46
80123	16 21 18.41	−27 13 53.5	8.89		G	245.326 694 28	−27.231 526 13		3.29	−17.31	−8.00	1.16	0.76	1.24	1.29	0.91	− 1	−20	− 9	+24	+12	+11	+17	+35	−14	− 6	0	0.59
80124	16 21 18.97	+20 04 35.7	8.73		H	245.329 020 88	+20.076 595 51		10.39	1.78	−3.81	0.82	0.73	1.20	0.89	0.89	+23	−24	− 6	−19	− 2	− 9	− 1	+17	− 9	+23	0	−0.75
80125	16 21 19.15	−42 52 48.8	9.27		H	245.329 789 17	−42.880 226 96		9.89	−53.84	−85.57	1.15	0.81	1.43	1.15	1.05	−22	−35	−16	+ 2	−15	+ 6	− 2	+47	−33	−29	0	−1.29
80126	16 21 19.20	−23 42 28.5	7.04		H	245.329 992 33	−23.707 923 11		6.61	−10.96	−24.23	0.75	0.56	0.85	0.81	0.73	−35	−12	−16	+ 9	−18	+ 2	−14	+37	−27	−36	0	1.90
80127	16 21 20.17	−67 23 19.8	7.90		H	245.334 040 31	−67.388 836 68		3.75	−9.32	−21.78	0.61	0.69	1.00	0.67	0.80	+10	−15	− 5	−26	+ 3	−16	+ 8	+ 9	+ 8	−10	0	0.34
80128	16 21 20.72	+35 53 51.7	8.63		H	245.336 315 02	+35.897 703 16		7.95	−9.10	−3.75	0.66	0.76	0.90	0.71	0.90	+ 4	− 6	−13	− 3	+ 4	− 6	+ 3	+ 0	+ 3	+ 3	3	0.95
80129	16 21 20.86	−13 06 21.2	8.20		G	245.336 897 50	−13.105 896 77		10.89	−54.23	61.34	1.21	0.80	1.18	1.29	0.92	− 3	−32	− 1	+43	+ 4	+18	+ 6	+47	− 8	− 8	0	1.45
80130	16 21 21.16	−22 06 32.1	8.62		H	245.338 156 43	−22.108 914 57		7.34	−14.64	−19.72	1.16	0.72	1.40	1.25	1.05	−34	−24	− 2	+ 2	− 6	−11	− 4	+42	−36	−14	2	1.34
80131	16 21 22.53	+28 59 43.4	9.25		H	245.343 888 97	+28.995 390 18		5.99	−0.38	9.45	0.69	0.90	1.14	0.77	1.14	+ 6	−20	− 5	+23	+ 2	+ 2	+ 7	+33	−19	− 1	2	0.94
80132	16 21 22.75	−53 06 27.4	8.46		H	245.344 805 52	−53.107 621 86		2.64	−2.70	−10.89	1.09	0.74	1.40	1.56	1.08	+21	−25	−28	−14	− 2	−15	− 8	+29	−21	+33	0	0.93
80133	16 21 22.88	+50 53 50.3	8.92		H	245.345 337 99	+50.897 303 04		5.36	−22.54	−29.57	0.75	0.75	0.82	0.76	0.86	− 2	− 6	+ 6	−17	+ 4	− 4	+ 4	− 2	+ 0	− 3	0	−0.86
80134	16 21 23.39	+06 39 55.0	8.08		H	245.347 442 66	+06.665 275 16		12.47	−86.17	20.74	0.77	0.65	0.90	0.94	0.97	−40	−16	+ 1	+30	−22	− 6	−23	+37	+ 7	−35	0	−0.04
80135	16 21 23.48	+41 26 06.6	7.89		H	245.347 843 66	+41.435 172 04		3.55	−5.50	−35.99	0.63	0.59	0.75	0.90	0.79	+ 9	− 7	−13	+ 2	+ 2	+16	+ 4	+ 2	−13	+ 9	0	−0.22
*80136	16 21 23.56	−53 02 04.1	8.54	2	G	245.348 173 78	−53.034 470 42		−0.31	−0.37	−4.51	0.98	0.72	1.30	1.60	1.10	+15	− 9	−18	+ 3	+ 5	−29	− 3	+31	−20	+33	0	−1.19
*80137	16 21 23.55	−71 04 31.1	8.59		H	245.348 113 60	−71.075 311 63		4.67	−47.47	−45.31	0.55	0.70	0.93	0.60	0.85	+12	−15	+ 6	+ 0	− 4	+ 4	− 7	+ 5	+12	+25	0	−0.44
80138	16 21 24.38	+05 05 02.4	9.74		H	245.351 596 02	+05.084 009 47		4.36	0.16	−1.12	1.38	1.08	1.48	1.79	1.74	−65	−18	+13	+38	−33	+11	−34	+51	−13	−51	0	−0.17
80139	16 21 24.65	+09 20 41.9	9.42		H	245.352 689 71	+09.344 975 42		5.50	−17.33	13.65	1.17	0.89	1.48	1.35	1.26	−25	−48	+ 2	+12	+ 6	+ 6	+ 8	+20	− 6	−14	0	0.97
80140	16 21 26.00	−33 18 04.4	7.39		G	245.358 340 41	−33.301 212 61	A	8.20	−25.63	−22.32	1.24	1.01	1.48	1.48	1.12	−33	+ 1	−33	+ 3	−15	+ 3	−14	+56	−45	−35	1	0.35
*80141	16 21 27.12	−53 06 02.9	8.36		G	245.363 013 19	−53.100 801 61		0.80	−0.06	−9.39	1.00	0.67	1.24	1.46	1.00	+20	−24	−26	− 8	− 3	−11	− 8	+32	−17	+32	0	−0.82
*80142	16 21 27.04	−48 11 18.8	6.51		H	245.362 682 61	−48.188 568 56		7.38	−13.24	−22.98	0.77	0.58	0.88	0.90	0.79	− 1	−30	−25	+22	−23	+ 8	− 8	+65	−15	−29	0	−0.34
80143	16 21 29.20	−52 49 26.1	9.20		H	245.371 658 22	−52.823 926 80		4.47	−14.84	−19.66	1.41	0.93	1.81	1.94	1.37	+26	−35	−25	−12	− 2	+ 8	+ 1	+28	−19	+34	0	−0.52
80144	16 21 30.28	−69 43 22.1	8.56		H	245.376 161 59	−69.722 801 34		6.27	−30.01	−79.83	0.45	0.69	1.00	0.46	0.77	+24	−18	−14	−12	− 7	− 1	−11	+ 7	+24	+21	1	1.36
80145	16 21 33.74	−44 41 19.8	10.57		H	245.390 589 62	−44.688 832 88		1.28	0.00	−13.09	1.67	1.33	2.09	2.22	2.04	−22	− 3	− 8	+12	−23	− 1	−12	+54	−17	−41	0	1.09
80146	H 16 21 34.07	−39 25 52.5	8.79		H	245.391 954 55	−39.431 246 88	A	13.63	87.19	−69.50	2.00	1.21	1.68	1.98	1.46	−34	− 6	− 6	− 2	+ 6	−17	+16	+34	+ 2	−40	1	−0.12
80147	16 21 34.30	+38 56 20.2	9.08		H	245.392 927 16	+38.938 949 28		0.52	16.12	−7.83	0.74	0.83	0.96	0.97	1.13	+ 8	+ 5	− 2	+20	− 2	+ 4	− 3	+10	− 7	− 2	1	0.56
80148	16 21 34.32	−33 14 04.3	7.36		H	245.392 994 76	−33.234 530 31		6.30	20.10	−6.25	0.88	0.59	1.00	0.98	0.76	−30	−26	− 6	− 6	− 6	+ 4	+ 4	+39	−23	−37	0	−0.91
80149	16 21 34.88	+00 04 36.9	6.85		H	245.395 335 01	+00.076 906 75		4.84	−18.88	−41.08	0.88	0.81	1.11	1.08	0.97	−26	−15	−46	+21	−11	+20	+ 0	+17	−18	−50	0	0.33
80150	16 21 36.24	+56 52 37.4	7.58	1	H	245.400 985 03	+56.877 056 45		2.16	−4.25	10.91	0.59	0.56	0.62	0.78	0.68	+ 0	−13	−12	+ 4	− 3	+ 2	− 1	+ 5	−13	− 2	1	−0.23
80151	16 21 36.94	−51 45 03.2	6.87		H	245.403 927 91	−51.750 888 84		5.59	−27.41	−77.47	0.67	0.53	0.85	0.82	0.78	+ 7	−24	−24	+ 7	−11	+10	− 3	+40	−20	− 8	0	1.45
80152	16 21 37.50	−71 52 25.8	6.71		H	245.406 269 76	−71.873 831 34		8.98	−31.99	−27.60	0.40	0.51	0.69	0.43	0.65	+25	−10	+ 4	− 8	− 1	−11	− 2	+ 6	− 8	+37	0	1.16
80153	16 21 38.80	+14 34 10.5	10.26		H	245.411 687 41	+14.569 596 57		12.04	−38.73	−183.64	1.78	1.28	1.94	1.94	1.74	+ 3	−43	− 3	+45	− 2	− 6	− 7	+53	+ 5	+12	0	−0.20
80154	16 21 38.82	+70 29 51.6	7.32		H	245.411 761 51	+70.497 675 75		4.60	21.64	−40.66	0.58	0.52	0.58	0.57	0.59	+ 5	+ 1	− 5	−28	− 8	−20	− 6	+ 5	− 3	−10	0	−0.17
80155	16 21 39.71	+39 36 16.9	10.74		H	245.415 467 14	+39.604 697 44		5.77	−18.69	10.04	1.03	1.17	1.34	1.26	1.42	+ 1	−13	− 2	−17	+ 3	+10	+ 4	−17	− 4	+ 1	0	1.45
80156	16 21 41.54	+21 39 14.5	8.32	1	G	245.423 063 86	+21.654 041 42		3.62	−27.28	−23.44	0.63	0.65	1.00	0.69	0.82	+13	−14	− 6	−15	− 5	+ 9	− 5	+12	− 5	+13	1	−0.81
80157	16 21 42.15	+05 48 26.6	7.64		H	245.425 610 00	+05.807 380 96		5.23	−44.02	−5.92	0.76	0.59	1.00	1.19	1.12	−59	− 4	+11	+ 8	−17	−21	−28	+40	+16	−29	0	−0.35
80158	16 21 43.20	−79 49 54.8	8.00		H	245.429 997 59	−79.831 886 20		5.83	−24.01	−52.76	0.50	0.55	0.68	0.48	0.59	− 3	−22	− 8	− 4	− 5	−11	− 8	+ 0	+ 7	− 8	1	2.17
80159	16 21 44.77	−10 11 10.2	8.27		H	245.436 544 96	−10.186 159 38		5.06	28.22	4.65	1.11	0.87	1.31	1.22	1.06	−18	−23	−13	+12	−10	− 5	− 2	+27	−29	−29	6	−0.51
80160	16 21 45.77	−42 00 13.3	7.44		G	245.440 709 37	−42.003 685 61		10.32	−14.25	−17.25	0.80	0.58	0.99	0.89	0.78	−21	−36	+ 3	+ 4	−11	+14	− 6	+36	−13	− 9	0	1.57
80161	16 21 48.74	+69 06 33.9	5.26		H	245.453 089 16	+69.109 417 12		11.09	−18.48	−10.59	0.43	0.47	0.47	0.46	0.59	+ 4	− 8	−25	− 8	−20	+ 5	−22	+ 8	− 3	+ 3	0	−1.04
80162	16 21 49.04	+07 10 31.0	9.83		G	245.454 342 97	+07.175 264 73		16.67	−275.92	−178.53	1.39	1.21	1.46	1.60	1.73	−62	−24	+10	+33	−41	−17	−46	+54	+ 5	−50	0	−0.81
80163	16 21 50.23	+00 33 46.1	8.34		H	245.459 278 16	+00.562 806 54		14.10	26.92	−181.39	1.14	0.92	1.32	1.43	1.15	−22	+ 0	−44	+30	−12	+22	− 7	+14	−15	−46	0	0.89
80164	16 21 52.00	+21 48 43.9	7.09		H	245.466 668 22	+21.812 182 17		3.08	−9.20	16.96	0.54	0.53	0.83	0.58	0.66	+17	−21	+ 0	−18	−11	+ 8	− 9	+ 3	−14	+22	0	−0.82
80165	16 21 52.35	−18 34 03.9	9.36		H	245.468 129 42	−18.500 710 95		2.19	−47.28	−0.30	1.38	0.91	1.50	1.85	1.46	−29	−12	+14	+32	+ 2	+28	− 1	+57	−19	−15	0	1.33
80166	16 21 54.54	+13 27 19.7	7.39		H	245.477 250 88	+13.455 461 21	+	3.16	−31.22	−76.03	1.28	0.89	1.15	1.31	1.11	+13	−35	−16	+49	−23	−12	−17	+54	−29	−23	0	−0.33
80167	16 21 54.58	−55 33 05.5	7.00		H	245.477 429 04	−55.551 526 65		7.02	−18.64	−38.05	0.72	0.55	0.85	0.83	0.65	+18	−21	−11	+53	+42	−12	+43	+57	−20	+22	0	−1.71
80168	16 21 54.98	−44 48 56.2	8.58		H	245.479 090 14	−44.815 603 83		16.45	36.11	−22.28	0.98	0.72	1.29	1.21	1.16	−10	−25	−34	− 1	−30	+ 5	− 3	+58	−33	+51	0	1.10
80169	16 21 55.09	−21 28 41.5	10.13		G	245.479 531 51	−21.478 198 08		6.00	−21.02	−11.81	1.57	1.05	1.74	1.70	1.40	−34	− 8	−20	−10	+ 3	− 9	+ 7	+22	−12	−41	0	−0.52
80170	16 21 55.24	+19 09 10.9	3.74		H	245.480 182 03	+19.153 021 85		16.69	−47.44	44.61	0.62	0.48	0.73	0.72	0.69	+ 4	−32	− 5	+46	− 8	− 9	− 4	+39	−20	+16	0	2.12
80171	16 21 55.56	−24 59 27.7	8.80		G	245.481 490 73	−24.991 030 45		13.46	−184.60	−112.02	1.08	0.75	1.16	1.24	0.92	−16	−25	+ 2	+17	+16	+17	+20	+25	−16	−18	0	−0.69
80172	16 21 55.97	+06 32 47.3	9.26		H	245.483 221 64	+06.546 479 25		1.87	5.94	−30.87	1.18	0.95	1.45	1.46	1.64	−69	−30	+29	+31	−30	−13	−31	+48	+ 8	−51	0	−1.75
80173	16 21 57.02	−51 30 42.7	10.15		H	245.487 571 14	−51.511 847 54		4.38	0.90	−8.03	1.46	1.23	1.97	1.92	1.78	+ 4	−10	−32	+12	−15	+12	− 9	+45	−28	− 6	0	−0.32
80174	16 21 57.49	−49 39 44.8	8.19		H	245.489 531 05	−49.662 440 50		0.74	1.69	−2.26	1.10	0.72	1.24	1.33	0.96	+33	−24	−14	+43	+32	+ 1	+35	+49	−17	+41	0	0.47
80175	16 21 58.32	+22 32 24.3	8.56		H	245.492 982 69	+22.540 073 49		8.65	−51.61	−5.31	0.77	0.74	1.17	0.83	0.97	+19	−12	− 1	−20	−14	+ 6	−12	+11	−18	+13	0	−0.21
80176	16 21 59.30	−03 29 17.9	9.38		G	245.497 102 77	−03.488 305 47		3.17	2.21	−0.44	1.62	1.04	1.58	1.67	1.23	+28	−47	−37	+45	+21	− 8	+20	+36	− 5	+ 4	0	0.76
80177	16 22 00.06	−64 24 17.0	8.98	2	H	245.500 261 05	−64.404 715 04		8.21	2.37	−23.36	0.73	0.83	1.26	0.82	0.96	−12	− 5	+ 1	−20	−12	− 8	−15	+29	+ 8	− 8	1	−2.76
80178	16 22 03.14	−57 34 02.9	8.40		H	245.513 090 16	−57.567 478 38		0.73	−8.44	−13.55	0.83	0.77	1.05	0.96	0.98	+ 7	−25	−29	+51	+11	− 3	+22	+64	−36	− 6	0	1.44
*80179	16 22 04.44	+01 01 44.1	4.82		G	245.518 500 07	+01.028 922 19		36.56	−156.01	48.09	0.88	0.78	1.01	1.14	1.03	−29	+ 1	−46	+30	+11	+ 9	+ 7	− 8	− 2	−60	0	−0.41
*80180	16 22 04.43	−44 57 04.5	9.44		H	245.518 446 31	−44.951 243 81		7.30	17.75	−7.64	1.30	0.84	1.64	1.93	1.40	+17	−21	−22	+24	+11	+15	+22	+60	−24	+ 3	0	1.21
80181	16 22 05.89	+30 53 30.2	4.86		H	245.524 542 22	+30.891 734 24		17.76	−97.35	107.68	0.39	0.48	0.63	0.42	0.59	+ 1	− 2	− 2	+16	+ 6	−13	+ 5	+10	+10	− 9	1	1.51
80182	16 22 07.03	+12 12 53.0	8.18		H	245.529 284 08	+12.214 723 41		19.73	66.23	−68.84	0.93	0.74	1.15	1.37	1.03	− 5	−27	− 6	+34	− 5	+ 2	−11	+53	+ 2	+35	0	−0.85
80183	16 22 10.86	+11 19 47.4	9.17		H	245.545 246 86	+11.329 829 75		1.37	−1.52	−28.93	1.17	1.02	1.64	1.14	1.21	−16	−54	+ 7	+48	−14	−20	−24	+64	+19	− 5	0	−0.72
80184	16 22 12.92	+00 29 53.8	7.70		H	245.553 848 52	+00.498 291 66		7.24	−12.94	−25.84	0.94	0.86	1.20	1.23	1.16	−23	−10	−46	+18	− 1	+ 9	+ 2	+ 3	− 1	−57	0	0.08
80185	16 22 13.82	+36 15 27.4	9.06	1	H	245.557 572 47	+36.257 600 99		3.46	13.34	0.60	0.75	0.87	1.02	0.89	1.03	+ 4	− 7	− 7	+ 6	+10	−16	+ 9	− 6	+ 7	+ 8	0	0.38
80186	16 22 14.38	−43 12 00.7	7.62		G	245.559 936 35	−43.200 197 43		6.34	4.53	−16.57	0.86	0.59	1.05	0.75	0.75	−19	−45	−19	+ 1	−30	+ 7	− 7	+49	−36	−40	0	−1.70
80187	16 22 15.05	+02 52 31.6	7.24		H	245.562 710 95	+02.875 435 06		4.50	10.52	−8.89	1.23	0.78	1.09	1.39	0.87	−12	−38	−12	+54	+ 3	− 7	+ 6	+30	−16	− 4	0	−0.30
80188	16 22 15.93	+08 56 20.3	8.15		H	245.566 385 24	+08.938 979 21		4.21	−4.00	−18.47	0.85	0.70	1.07	1.08	1.04	−39	−24	+ 5	+25	+ 1	+20	+ 6	+21	− 3	−21	0	−0.08
*80189	16 22 17.14	+24 44 31.6	8.78		H	245.571 427 07	+24.742 107 55		7.44	25.64	−6.61	0.70	1.04	1.57	0.81	1.22	+ 4	+ 0	+ 4	−21	+ 4	− 4	+ 3	−18	−11	+24	0	
*80190	16 22 16.15	+18 32 13.8	10.81		H	245.567 287 62	+18.537 176 48	A	0.96	8.89	66.71	21.70	19.29	20.99	26.23	26.90	+ 3	−31	−17	+41	−16	+ 6	−13	+69	−11	− 2	2	−0.37
*80191	16 22 17.12	−05 40 43.1	9.10		H	245.571 323 04	−05.678 651 46		4.22	11.51	−48.41	1.27	0.91	1.35	1.41	1.03	+ 2	−28	−30	+37	+ 8	+ 8	+13	+28	−13	−14	0	−0.35
*80192	16 22 17.44	+80 43 31.5	8.90		H	245.572 668 55	+80.725 428 46		3.34	2.94	−2.45	0.66	0.76	0.76	0.67	0.97	+12	−17	−19	− 7	+13	+ 0	+17	+ 3	− 4	+ 3	0	−0.35
*80193	16 22 17.40	−08 44 29.8	7.34		H	245.572 517 35	−08.741 610 23		5.89	−25.06	−10.56	1.03	0.74	1.17	1.12	1.00	+ 2	−37	−30	+13	+27	−16	+ 8	+26	+ 4	−31	0	−0.90
*80194	16 22 17.10	+18 32 02.2	11.84		H	245.571 240 91	+18.533 953 07	B	0.64	−32.65	−24.42	29.86	24.47	16.96	19.38	20.48	+24	−34	−28	+25	−13	+17	− 4	+51	−20	+ 2	2	−0.37
80195	16 22 19.31	+03 05 06.1	7.32		H	245.580 451 14	+03.085 036 42		13.83	−29.26	−16.26	0.97	0.83	0.99	1.07	1.02	−30	−23	+ 1	+43	−18	+ 4	−14	+49	−11	−27	0	−0.89
80196	H 16 22 19.91	−24 21 48.0	9.35		G	245.582 969 64	−24.363 327 48	A	5.54	−7.68	−20.94	6.20	4.02	3.57	3.79	2.79	− 4	−15	−13	+11	+ 5	−26	+ 2	+28	− 1	− 8	1	−0.50
80197	16 22 21.42	+33 47 56.9	5.20	1	H	245.589 256 15	+33.

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″		ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65		66	67	68-70
80101	9.506	0.028	8.070	0.016		1.212	0.025	T	1.17	0.03	L	8.1240	0.0025	0.014	39		8.10	8.15					1							
80102											T	12.8760	0.0526	0.301	73		12.36	13.40	0.32	P 1 A			1							G
80103	10.462	0.028	9.104	0.015		1.150	0.025	T	1.11	0.02	L	9.1638	0.0027	0.030	138		9.12	9.21					1							
80104	10.916	0.050	10.393	0.051		0.491	0.064	T	0.56	0.07	L	10.4367	0.0038	0.038	105		10.37	10.49					1							G
80105	10.580	0.032	9.376	0.018		1.030	0.029	T	1.00	0.02	L	9.4282	0.0019	0.025	153		9.38	9.47					1							
80106	10.304	0.031	9.218	0.021		0.939	0.029	T	0.93	0.02	L	9.2894	0.0018	0.017	107		9.27	9.32		C			1							
80107	10.392	0.044	9.485	0.032		0.861	0.015	G	0.90	0.01	H	9.5372	0.0034	0.021	62		9.52	9.57		C			1							
80108	9.709	0.024	9.188	0.023		0.539	0.015	G	0.61	0.02	H	9.2314	0.0020	0.016	87		9.20	9.26		C			1							
80109	9.675	0.025	8.813	0.019		0.713	0.002	G	0.76	0.00	H	8.8595	0.0015	0.016	106		8.83	8.89					1							
80110	9.583	0.018	8.077	0.010		1.267	0.016	T	1.23	0.02	L	8.0873	0.0013	0.011	118		8.07	8.10		C			1							S
80111	8.547	0.009	7.057	0.005		1.260	0.015	G	1.22	0.02	H	7.0600	0.0010	0.010	141		7.05	7.08					1 G							S
80112	3.037	0.003	2.922	0.003	*	0.299	0.003	G	0.31	0.02	A	*	2.9227	0.0026	0.024	73	*	2.89	2.95	0.25	P 1 A	16212−2536	I 1	2 C A	AC	258	0.428	0.009		2.18	0.03	S
80113	8.322	0.010	7.975	0.008		0.355	0.006	G	0.42	0.01	H	8.0268	0.0012	0.014	120		8.00	8.05					1							S
80114	10.414	0.023	9.841	0.022		0.597	0.017	G	0.67	0.01	H	9.8871	0.0026	0.028	193		9.84	9.94					1 S							G
80115	9.045	0.015	7.753	0.009		1.099	0.014	T	1.06	0.01	L	7.8194	0.0011	0.013	106		7.80	7.85					1							
80116	9.998	0.019	9.629	0.020		0.360	0.024	T	0.42	0.03	L	9.6802	0.0030	0.029	170		9.62	9.73					1							
80117	8.524	0.008	7.962	0.008	*	0.551	0.015	G	0.62	0.01	H	*	8.0215	0.0012	0.015	149	*	8.00	8.05		D	16212+2259	I 1	2 C A	AB	81	0.245	0.009		1.84	0.16	S
80118	9.289	0.012	8.622	0.011		0.600	0.015	G	0.67	0.01	H	8.6939	0.0014	0.019	189		8.66	8.73					1							S
80119	8.644	0.012	8.297	0.013		0.328	0.009	G	0.38	0.01	H	8.3568	0.0020	0.016	85		8.33	8.38					1							
80120	9.618	0.032	8.985	0.028		0.588	0.037	T	0.66	0.03	L	9.0579	0.0029	0.017	36		9.03	9.10					1							
80121	10.761	0.040	9.477	0.022		1.093	0.036	T	1.05	0.04	L	9.5466	0.0025	0.021	114		9.51	9.58		C			1							
80122	12.518	0.211	10.942	0.081	*	0.752	0.096	G	0.80	0.08	R	*	10.9397	0.0029	0.030	118	*	10.89	10.99		D	16213+7434	H 1	2 C B	AB	102	0.768	0.015		2.10	0.09	G
80123	9.826	0.027	8.987	0.021		0.880	0.003	G	0.89	0.00	H	9.0061	0.0016	0.015	69		8.98	9.04		C			1							
80124	9.388	0.014	8.782	0.013		0.565	0.017	T	0.64	0.02	L	8.8527	0.0018	0.021	152		8.82	8.90					1							S
80125	10.088	0.028	9.361	0.024		0.653	0.028	T	0.72	0.03	L	9.4069	0.0021	0.018	95		9.38	9.44		C			1							
80126	7.215	0.005	7.064	0.006		0.137	0.007	T	0.15	0.01	L	7.0893	0.0011	0.009	84		7.08	7.10		C			1							S
80127	9.370	0.015	8.030	0.009		1.136	0.014	T	1.10	0.01	L	8.0653	0.0014	0.019	145		8.04	8.10					1							
80128	9.132	0.013	8.665	0.013		0.440	0.017	T	0.51	0.02	L	8.7285	0.0013	0.020	131		8.70	8.77					1							S
80129	9.139	0.020	8.286	0.016		0.795	0.015	G	0.83	0.01	H	8.3347	0.0019	0.010	47		8.32	8.35		C			1							
80130	9.135	0.018	8.659	0.018		0.461	0.020	T	0.53	0.02	L	8.7217	0.0017	0.011	73		8.70	8.75					1							
80131	9.704	0.017	9.282	0.017		0.383	0.003	G	0.45	0.00	H	9.3359	0.0022	0.025	164		9.28	9.39					1							
80132	8.425	0.012	8.449	0.016		−0.005	0.015	G	0.02	0.01	H	8.4666	0.0020	0.016	96		8.44	8.50		C	16214−5306	I 2	1							
80133	9.872	0.023	9.015	0.018		0.768	0.022	T	0.81	0.02	L	9.0710	0.0026	0.019	110		9.05	9.10		C			1							S
80134	8.721	0.010	8.126	0.009		0.555	0.012	T	0.63	0.01	L	8.2012	0.0014	0.015	116		8.18	8.23					1							S
80135	9.235	0.014	7.997	0.009		1.050	0.015	G	1.02	0.01	H	8.0586	0.0012	0.012	112		8.04	8.08		C			1							S
80136	9.137	0.016	8.647	0.016		0.537	0.012	G	0.61	0.01	H	8.6442	0.0027	0.023	100		8.61	8.68		U 2			1							
80137	9.126	0.010	8.645	0.010		0.453	0.013	T	0.52	0.01	L	8.6896	0.0016	0.022	203		8.65	8.73					1							
80138	10.992	0.041	9.812	0.023		1.011	0.037	T	0.99	0.03	L	9.9011	0.0020	0.026	146		9.84	9.95		C			1							
80139	9.857	0.025	9.459	0.027		0.382	0.015	G	0.45	0.02	H	9.5060	0.0028	0.020	81		9.47	9.54		C			1							
80140	7.934	0.009	7.436	0.011	A	0.465	0.015	G	0.54	0.02	H	7.4980	0.0059	0.011	83	A	7.48	7.53		C	16214−3318	I 1	2 C D	AB	268	12.348	0.078		4.00	0.23	S D
80141	8.340	0.012	8.308	0.015		−0.006	0.015	G	0.01	0.01	H	8.3665	0.0015	0.014	96		8.34	8.39		C	16214−5306	I 2	1							
80142	6.446	0.004	6.496	0.004		−0.047	0.002	G	−0.03	0.00	H	6.5046	0.0010	0.008	104		6.49	6.52		C			1							S
80143	10.677	0.047	9.386	0.026		1.098	0.042	T	1.06	0.04	L	9.3644	0.0028	0.021	91		9.34	9.40		C			1							
80144	9.018	0.009	8.598	0.009		0.420	0.015	G	0.49	0.02	H	8.6496	0.0012	0.020	278		8.62	8.69					1							
80145	11.263	0.066	10.609	0.057		0.607	0.074	T	0.68	0.07	L	10.7057	0.0049	0.040	117		10.65	10.79					1							G
80146	9.596	0.020	8.897	0.017	*	0.632	0.020	T	0.70	0.02	L	*	8.9214	0.0019	0.013	86	*	8.89	8.94		D	16216−3926	H 1	2 C B	AB	290	0.572	0.045		3.13	0.17	
80147	10.412	0.031	9.215	0.019		1.025	0.028	T	1.00	0.02	L	9.2467	0.0020	0.020	114		9.21	9.29					1							
80148	9.292	0.017	7.533	0.008		1.466	0.015	T	1.48	0.02	L	7.4915	0.0011	0.010	86		7.48	7.51		C			1							S
80149	8.275	0.013	6.966	0.007		1.112	0.012	T	1.07	0.01	L	7.0225	0.0012	0.008	47		7.01	7.04		C			1							S
80150	9.725	0.019	7.762	0.008		1.664	0.017	T	1.84	0.06	O	7.6726	0.0023	0.018	105		7.64	7.71		U			1							S
80151	8.506	0.010	7.012	0.006		1.248	0.002	G	1.21	0.00	H	7.0353	0.0010	0.008	115		7.02	7.05					1							S
80152	6.732	0.004	6.705	0.004		0.020	0.002	G	0.04	0.00	H	6.7223	0.0007	0.009	184		6.71	6.74					1							S
80153	11.315	0.072	10.275	0.047		0.894	0.067	T	0.94	0.07	L	10.4024	0.0049	0.034	80		10.33	10.47		C			1							G
80154	8.683	0.011	7.433	0.007		1.066	0.010	T	1.03	0.01	L	7.4858	0.0010	0.008	111		7.46	7.50		C			1							S
80155	11.381	0.077	10.743	0.070		0.414	0.072	G	0.48	0.08	R	10.8375	0.0025	0.031	122		10.76	10.90					1							G
80156	8.610	0.010	8.336	0.010		0.233	0.015	G	0.26	0.02	H	8.3880	0.0018	0.021	153		8.35	8.42		U			1							S
80157	9.063	0.011	7.744	0.007		1.120	0.010	T	1.08	0.01	L	7.8035	0.0013	0.013	167		7.78	7.82		C			1							S
80158	8.306	0.008	8.026	0.009		0.266	0.011	T	0.30	0.01	L	8.0728	0.0013	0.014	144		8.05	8.10					1							S
80159	9.803	0.025	8.416	0.014		1.173	0.022	T	1.13	0.02	L	8.4418	0.0015	0.018	60		8.42	8.48		D			1							S
80160	7.819	0.008	7.465	0.007		0.321	0.001	G	0.37	0.00	H	7.5293	0.0009	0.009	104		7.51	7.54		C			1 G							S
80161	6.703	0.005	5.390	0.003		1.115	0.005	T	1.08	0.01	L	5.4329	0.0005	0.005	113		5.42	5.45		C			1							S
80162	10.871	0.049	9.895	0.032		0.783	0.005	G	0.83	0.01	H	9.9591	0.0031	0.024	108		9.92	10.01					1							
80163	9.715	0.030	8.466	0.019		1.065	0.028	T	1.03	0.02	L	8.5029	0.0027	0.010	45		8.49	8.53		C			1							
80164	8.679	0.009	7.215	0.005		1.234	0.008	T	1.19	0.01	L	7.2577	0.0011	0.011	142		7.24	7.28					1							S
80165	11.196	0.056	9.561	0.023		1.368	0.048	T	1.34	0.06	L	9.5156	0.0021	0.019	106		9.47	9.55		C			1 S							
80166	9.108	0.015	7.523	0.008		1.330	0.015	G	1.29	0.02	H	7.5424	0.0017	0.012	91		7.53	7.56					1 O							S
80167	7.208	0.004	7.027	0.005		0.173	0.006	T	0.19	0.01	L	7.0624	0.0009	0.009	154		7.05	7.08		C			1							S
80168	9.183	0.013	8.626	0.012		0.527	0.013	T	0.60	0.01	L	8.6989	0.0018	0.018	120		8.67	8.73					1							
80169	10.738	0.052	10.120	0.045		0.511	0.020	G	0.58	0.02	H	10.2590	0.0048	0.032	83		10.18	10.30					1							G
80170	4.085	0.002	3.770	0.002		0.299	0.015	G	0.34	0.03	C	3.8125	0.0006	0.005	103		3.81	3.83			16219+1909	I 1	1							S
80171	9.664	0.021	8.893	0.017		0.680	0.000	G	0.74	0.00	H	8.9415	0.0021	0.017	77		8.92	8.97					1							
80172	10.694	0.036	9.406	0.020		1.096	0.032	T	1.06	0.03	L	9.4227	0.0022	0.020	125		9.39	9.45		C			1							
80173	11.625	0.104	10.288	0.051		1.134	0.091	T	1.10	0.09	L	10.3196	0.0039	0.027	100		10.27	10.37		C			1							G
80174	10.453	0.074	8.381	0.025		1.715	0.062	T	1.74	0.06	L	8.2890	0.0012	0.013	114		8.26	8.31					1							
80175	9.220	0.013	8.639	0.012		0.543	0.016	T	0.62	0.01	L	8.6818	0.0025	0.020	136		8.65	8.72					1							S
80176	10.137	0.037	9.428	0.032		0.651	0.020	G	0.71	0.02	H	9.5133	0.0022	0.016	47		9.49	9.55		D			1							
80177	10.136	0.024	9.114	0.017		0.891	0.022	T	0.90	0.02	L	9.1421	0.0024	0.023	144		9.10	9.18		U			1 S							
80178	8.518	0.010	8.414	0.011		0.101	0.014	T	0.11	0.01	L	8.4452	0.0016	0.015	128		8.42	8.47		C			1 G							
80179	5.227	0.005	4.854	0.005		0.338	0.009	G	0.39	0.02	A	4.9017	0.0009	0.005	43		4.89	4.91		C			1							S
80180	9.969	0.021	9.466	0.021		0.484	0.023	T	0.56	0.02	L	9.5463	0.0016	0.016	112		9.52	9.58					1							G
80181	6.103	0.003	4.960	0.002		0.970	0.006	G	0.93	0.01	G	5.0167	0.0006	0.005	148		5.01	5.03			16221+3054	I 1	1							S
80182	8.845	0.014	8.263	0.013		0.544	0.017	T	0.62	0.02	L	8.2942	0.0015	0.011	85		8.27	8.31		C			1							S
80183	9.558	0.020	9.233	0.022		0.309	0.028	T	0.35	0.04	L	9.2470	0.0024	0.021	98		9.21	9.28		C			1							
80184	7.796	0.011	7.696	0.012		0.097	0.015	T	0.11	0.02	L	7.7365	0.0015	0.009	43		7.72	7.75		C			1							S
80185	10.135	0.023	9.151	0.016		0.862	0.021	T	0.87	0.01	L	9.2127	0.0028	0.026	131		9.17	9.26		U			1							
80186	7.800	0.009	7.630	0.010		0.160	0.015	G	0.18	0.01	H	7.6748	0.0011	0.009	87		7.66	7.69					1							S
80187	9.004	0.025	7.386	0.013		1.355	0.022	T	1.32	0.03	L	7.3927	0.0022	0.009	34		7.38	7.41					1 G							S
80188	9.365	0.017	8.255	0.011		0.957	0.016	T	0.94	0.01	L	8.3173	0.0015	0.012	91		8.30	8.35		C			1							S
80189	9.496	0.012	8.884	0.011		0.561	0.012	G	0.63	0.01	H	8.9063	0.0019	0.022	254		8.87	8.95			16223+2445	I 1	1 X S							
80190						1.059	0.197	G	1.08	0.07	B	12.0211	0.0827			A				D	16223+1832	I 2	1 C I D							D
80191	10.784	0.077	9.246	0.034		1.292	0.066	T	1.25	0.07	L	9.2636	0.0042	0.015	42		9.23	9.30					1 S							
80192	9.019	0.015	8.914	0.019		0.102	0.023	T	0.12	0.03	L	8.9410	0.0019	0.014	99		8.91	8.96		C			1							
80193	7.708	0.010	7.378	0.013		0.313	0.015	T	0.36	0.02	L	7.4119	0.0009	0.008	44		7.40	7.44		D			1							S
80194	11.954	0.134	10.659	0.066	B	1.101	0.117	T	1.06	0.12	L	12.0153	0.0824	0.649	105	B	11.41	13.36		D	16223+1832	I 2	1 C P D							D
80195	7.803	0.012	7.368	0.014		0.433	0.015	G	0.50	0.02	H	7.4151	0.0012	0.006	39		7.40	7.43					1							S
80196	10.173	0.035	9.459	0.029	*	0.682	0.045	G	0.74	0.04	H	*	9.4522	0.0019	0.021	70	*	9.41	9.48		D	16223−2422	H 1	2 C A	AB	258	0.341	0.016		1.05	0.11	P
80197	7.322	0.005	5.398	0.003		1.631	0.005	T	2.00	0.02	O		5.2814	0.0018	0.017	130		5.26	5.31		U 2	16224+3345	I 1	1							S
80198	9.596	0.021	8.398	0.013		1.025	0.019	T	1.00	0.02	L		8.3737	0.0037	0.023	86		8.34	8.41		U 2			1 S							
80199	10.789	0.052	9.700	0.034	*	0.941	0.047	T	0.93	0.03	L	*	9.5964	0.0043	0.030	79	*	9.55	9.65		R	16224−3220	I 1	2 C A	AB	57	0.499	0.009		0.77	0.04	
80200	7.546	0.005	7.085	0.005		0.435	0.006	T	0.50	0.01	L		7.1385	0.0008	0.008	133		7.12	7.16		C			1							S

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19 20 21 22 23 24 25 26 27 28	29	30
80201	16 22 22.38	−76 28 33.9	9.01	H	245.593 241 96	−76.476 084 66	8.85	29.46	13.78	0.65	0.84	1.02	0.73	0.96	+19 −15 + 2 −10 − 8 −15 − 9 − 6 + 5 +27	0	0.73
80202 H	16 22 24.02	+09 54 30.0	8.22	G	245.600 095 35	+09.908 332 41 A	4.44	11.84	1.15	6.29	2.54	2.74	2.57	2.38	−54 − 7 + 7 +22 −28 + 6 −18 +65 +15 −26	1	1.81
80203	16 22 24.49	+08 59 11.8	8.54	H	245.602 024 86	+08.986 602 42	9.84	−31.84	25.64	0.93	0.74	1.18	1.22	1.05	−35 −26 + 6 +30 − 6 +14 − 8 +39 − 1 − 6	0	0.33
80204	16 22 25.24	−56 25 24.1	8.17	2 H	245.605 181 16	−56.423 363 10	−0.16	−2.88	−0.51	0.88	0.67	0.99	0.98	0.83	+31 −11 + 0 +51 +47 − 3 +50 +60 − 9 +35	0	0.21
80205	16 22 25.73	+14 33 49.6	9.09	H	245.607 220 65	+14.563 782 01	2.71	−13.55	−12.73	0.98	0.82	1.36	1.23	1.20	− 8 −34 − 3 +42 −11 −11 − 6 +46 −19 + 7	0	0.99
80206	16 22 26.33	+37 44 54.5	9.23	H	245.609 706 51	+37.748 460 06	5.24	3.91	−12.04	0.78	0.92	1.08	0.96	1.16	+17 + 2 −13 −10 −13 −11 −11 +18 −23 + 3	3	−0.09
80207	16 22 26.37	−34 20 40.7	8.99	H	245.609 877 17	−34.344 631 70	4.06	11.83	−10.43	1.21	0.94	1.53	1.56	1.31	−32 + 4 −37 +25 −23 +26 −16 +66 −50 −38	0	−0.65
80208	16 22 28.01	−49 34 20.2	5.32	H	245.616 692 17	−49.572 291 23	5.86	−12.32	−26.01	0.81	0.54	0.95	0.98	0.73	+24 −35 −26 +40 +17 + 1 +23 +49 −18 +26	2	0.01
80209	16 22 28.20	−54 38 04.2	7.90	G	245.617 515 64	−54.634 505 42	5.19	−18.53	−36.13	0.88	0.64	1.09	1.00	0.79	+12 −15 −12 − 8 − 8 −10 − 6 +35 −13 + 6	0	−0.94
80210	16 22 28.60	−75 40 45.3	7.99	H	245.619 169 11	−75.679 237 38	1.72	−1.86	−8.17	0.53	0.65	0.80	0.53	0.71	+18 −14 − 1 −20 + 2 − 2 + 2 −11 + 0 +24	0	0.64
80211	16 22 28.77	+53 32 30.6	8.64	G	245.619 875 40	+53.541 831 06	2.11	3.80	−4.31	0.72	0.70	0.77	0.87	0.82	+10 − 7 + 1 + 2 +17 − 4 +13 +24 −21 +31	0	−0.13
80212	16 22 29.07	−43 54 43.3	5.89	H	245.621 141 31	−43.912 023 57	3.13	−8.44	−11.32	0.72	0.60	0.90	0.71	0.78	−33 −27 −34 +16 −45 +13 −25 +63 −41 −59	0	1.10
80213	16 22 29.15	+03 46 22.9	9.08	H	245.621 471 53	+03.773 035 00	3.00	−5.34	−6.34	1.49	1.13	1.64	1.49	1.55	−26 −58 + 5 +39 −13 −12 −12 +43 + 8 −43	0	0.92
*80214	16 22 29.22	+33 42 12.1	5.40	1 H	245.621 759 69	+33.703 356 85	5.98	−5.22	50.03	0.38	0.46	0.58	0.44	0.54	+ 4 − 8 −13 + 6 + 7 −16 + 3 − 8 + 8 −14	2	−0.32
*80215 H	16 22 29.18	+49 35 16.2	9.11	H	245.621 593 05	+49.587 824 08 *	0.85	−2.66	−9.74	0.77	0.86	0.91	0.87	1.02	+ 7 −14 −11 − 3 − 2 + 1 − 2 −10 − 9 − 2	0	2.68
80216	16 22 30.16	−32 18 38.3	9.06	H	245.625 665 73	−32.310 631 29	−0.80	−2.59	−1.50	1.24	0.74	1.41	1.42	0.95	−16 −33 − 9 −12 + 8 − 2 +13 +25 −25 −11	0	−1.73
80217	16 22 31.92	−12 25 42.5	9.02	G	245.632 992 78	−12.428 471 42	11.25	−77.04	−65.10	1.56	0.90	1.80	1.59	1.09	− 2 −58 −14 + 9 − 4 +30 +16 +38 −28 −14	0	−0.86
80218	16 22 32.77	−04 14 55.7	7.34	H	245.636 534 41	−04.248 817 92	36.22	−79.68	−175.52	1.02	0.71	1.05	1.03	0.83	− 4 −43 +14 +33 +22 − 2 +17 +26 + 8 − 4	3	0.34
80219	16 22 34.05	+76 26 42.0	7.43	H	245.641 860 73	+76.445 008 74	1.94	−3.07	20.88	0.56	0.55	0.59	0.59	0.63	+14 −21 −20 −15 + 5 − 1 + 2 + 4 + 4 +23	0	0.20
80220	16 22 34.06	−33 40 31.2	8.41	H	245.641 923 74	−33.675 326 71	12.84	−29.34	−22.73	1.09	0.71	1.37	1.23	0.99	−22 −21 −23 + 8 − 6 − 1 + 7 +49 −44 −29	0	−0.11
80221	16 22 34.62	−53 54 14.5	8.31	G	245.644 254 12	−53.904 038 83	25.56	−336.48	−93.56	0.89	0.73	1.09	1.11	0.96	− 6 −12 −14 + 8 −26 + 0 −18 +51 −16 −24	0	−0.56
80222	16 22 35.86	−50 32 37.8	8.21	2 H	245.649 436 79	−50.543 837 06	4.77	−12.01	−24.76	1.06	0.77	1.26	1.50	1.06	+37 −23 −20 +46 +42 − 1 +43 +53 −18 +56	0	−1.22
*80223 H	16 22 37.00	+88 36 21.7	8.32	1 G	245.654 174 52	+88.606 030 30 A	3.37	1.41	26.10	1.07	0.97	0.94	1.02	1.07	+ 2 −11 + 1 −32 −20 − 8 −19 − 3 −25 +25	0	0.40
*80224	16 22 36.73	−24 22 58.4	8.60	G	245.653 048 50	−24.382 901 42	7.14	−3.13	−28.43	1.04	0.77	1.13	1.15	0.99	−34 −25 − 3 +12 − 3 − 3 + 4 +34 −17 −38	0	−0.32
80225	16 22 37.76	−63 27 42.8	8.71	H	245.657 338 16	−63.461 894 25	5.20	−11.07	−11.16	0.83	0.95	1.10	1.10	1.16	−30 − 4 − 1 +33 −23 +15 −21 +66 − 8 −35	3	0.02
80226	16 22 38.30	+21 45 24.2	7.94	H	245.659 587 30	+21.756 708 37	3.68	−11.84	−7.00	0.58	0.59	0.91	0.63	0.72	+15 −17 + 5 −18 − 8 + 7 − 7 + 3 −16 +18	0	−1.29
80227	16 22 38.91	−02 04 47.5	6.24	H	245.662 124 96	−02.079 852 24	8.01	−7.82	−7.36	0.89	0.68	1.03	1.14	0.81	+ 4 −36 −33 +24 +31 −38 +18 − 9 + 2 −12	0	0.49
80228	16 22 41.40	+28 27 42.0	8.79	H	245.672 510 10	+28.461 671 13	5.59	−23.00	15.34	0.65	0.90	1.27	0.72	1.13	+13 − 2 +22 +16 + 8 +14 + 6 +30 −11 + 4	1	0.34
80229	16 22 41.48	−48 39 15.8	11.82	G	245.672 819 06	−48.654 382 29	41.01	−588.85	−483.34	3.16	2.13	3.69	4.10	3.25	+16 −22 −28 +27 − 8 − 6 − 2 +62 −29 + 4	0	2.42
80230	16 22 42.29	−54 41 17.6	9.04	H	245.676 214 62	−54.688 219 58	0.92	−5.26	−7.42	1.00	0.81	1.41	1.23	1.01	+ 6 −15 −11 +11 + 8 −20 + 8 +41 −16 + 7	0	0.76
80231	16 22 45.90	+44 05 01.1	7.70	H	245.691 270 72	+44.083 646 55	6.93	22.94	−14.28	0.54	0.55	0.67	0.66	0.63	+ 2 + 3 − 5 + 7 + 1 − 9 − 1 + 0 − 2 −22	0	−0.01
80232	16 22 46.87	+44 15 10.7	9.62	H	245.695 293 20	+44.252 960 82	18.58	−28.70	−162.13	0.84	0.83	1.02	1.03	0.97	+ 7 +12 −10 +18 +11 −18 + 5 + 8 − 8 −15	0	−1.07
80233	16 22 46.97	−62 34 09.3	7.29	H	245.695 728 35	−62.569 260 62	3.58	13.47	3.59	0.54	0.64	0.79	0.68	0.78	−28 − 6 −21 +22 −38 +14 −29 +56 −26 −42	0	0.76
80234 H	16 22 50.16	−07 21 58.5	9.32	H	245.708 979 70	−07.366 262 87 A	5.70	−33.92	−32.74	2.28	1.67	2.19	2.96	1.92	+ 2 −20 −30 − 1 +18 − 8 +16 − 4 +20 +13	1	−0.05
80235	16 22 51.05	+61 26 07.8	7.88	2 H	245.712 705 83	+61.435 497 07	1.59	4.77	−8.88	0.57	0.54	0.59	0.60	0.60	+12 + 0 −13 −34 −16 − 3 −11 − 7 + 8 −10	2	2.68
80236	16 22 51.60	+50 45 25.5	8.57	G	245.714 988 97	+50.757 078 37	3.52	−31.84	−42.57	0.69	0.65	0.74	0.75	0.75	+ 8 − 9 + 0 −13 + 2 −13 + 2 − 1 − 3 +13	0	−0.50
80237	16 22 51.75	−30 45 46.0	8.75	H	245.715 619 97	−30.762 765 09	8.24	−20.55	6.30	1.12	0.75	1.34	1.23	0.99	−12 −28 −28 +13 −11 +14 + 5 +43 −37 −27	0	0.22
80238 H	16 22 51.78	−23 07 07.3	7.54	G	245.715 769 06	−23.118 692 75 A	7.52	−12.48	−26.21	1.53	1.21	1.57	1.50	1.49	−52 − 1 −14 +27 −33 +18 −26 +56 −46 −53	2	0.49
80239	16 22 52.97	+17 24 11.6	8.38	G	245.720 718 68	+17.403 226 37	8.92	−55.79	18.98	0.92	0.70	1.04	1.12	1.03	+ 6 − 5 − 5 +60 − 8 +23 −12 +59 −14 −11	2	0.77
80240 H	16 22 53.58	−17 01 08.9	6.87	H	245.723 246 40	−17.019 126 33 *	12.66	23.34	−6.44	0.90	0.63	1.06	1.60	1.20	−34 −10 − 4 +23 −23 −45 −19 +61 +24 −55	0	−0.62
80241	16 22 54.16	−75 58 28.7	6.86	H	245.725 681 78	−75.974 642 58	2.31	−15.54	−17.60	0.43	0.52	0.65	0.45	0.58	+11 −15 + 3 −16 − 2 − 9 − 2 − 6 + 3 +16	0	0.53
*80242	16 22 54.57	−31 04 38.1	9.62	H	245.727 390 55	−31.077 239 68 B	26.76	−1.53	−0.92	7.20	4.48	5.97	7.74	5.73	− 4 + 1 −28 +20 +19 + 2 +24 +36 −19 −14	9	0.94
*80243	16 22 54.56	+61 41 40.3	8.71	H	245.727 330 59	+61.694 517 33	27.56	115.26	45.62	0.69	0.63	0.70	0.70	0.70	+ 9 − 5 −14 −41 −18 − 3 −13 − 6 + 4 −14	2	0.48
80244	16 22 54.83	−66 53 14.3	6.75	H	245.728 445 46	−66.887 314 85	5.82	−13.54	−11.27	0.42	0.48	0.72	0.48	0.58	+13 −26 −23 −19 + 6 − 2 +12 + 6 + 5 −17	1	1.53
80245	16 22 55.40	−31 04 26.7	9.57	H	245.730 832 23	−31.074 097 16 A	2.60	8.91	−11.33	9.01	6.29	6.40	7.73	5.55	−21 −10 −25 + 2 +19 + 2 +24 +16 −18 −19	9	0.94
80246	16 22 55.96	−55 02 16.0	7.95	G	245.733 150 82	−55.037 768 03	2.01	−1.20	−6.55	0.72	0.60	0.99	0.83	0.74	+ 9 −25 −18 +41 +22 −17 +28 +60 −26 − 1	1	−1.39
80247	16 22 56.48	+32 19 58.9	6.41	H	245.735 348 70	+32.333 030 05	6.33	22.17	−7.14	0.40	0.47	0.62	0.46	0.59	+ 1 − 9 −18 +10 + 5 −14 + 1 + 0 + 6 −21	0	0.79
80248	16 22 59.47	−07 12 32.2	7.47	2 H	245.747 771 73	−07.208 950 79	4.07	−14.96	6.17	0.97	0.74	1.10	1.35	1.00	− 1 + 1 −36 +15 +23 + 2 +22 −16 +33 − 9	0	1.55
80249	16 22 59.52	−53 41 10.0	8.53	H	245.747 982 37	−53.686 118 31	7.71	−64.89	−99.05	0.94	0.77	1.18	1.21	1.04	− 7 + 2 −21 + 6 −25 −12 −20 +50 −14 −27	0	−0.82
80250	16 23 00.37	−61 41 16.8	8.30	G	245.751 524 62	−61.687 995 43	23.43	−178.50	−315.21	0.63	0.62	0.95	0.73	0.75	−14 −12 + 0 +15 − 9 − 6 − 4 +46 −11 −22	0	−0.75
80251	16 23 00.98	−40 36 49.3	9.03	H	245.754 064 49	−40.613 702 50	3.42	−0.66	−1.29	1.15	0.80	1.27	1.54	1.21	−14 −18 −13 + 6 + 3 − 7 +13 +39 −11 −34	0	0.71
80252	16 23 01.58	+04 35 25.0	8.99	H	245.756 593 28	+04.590 282 63	2.19	−40.84	−5.23	1.18	0.83	1.28	1.34	1.24	+ 3 −43 −16 +25 +10 + 0 + 0 +13 +22 −20	0	0.11
80253	16 23 01.60	−47 39 32.2	10.24	H	245.756 660 65	−47.658 944 43	3.78	1.90	0.58	1.78	1.21	2.23	2.20	1.74	+17 −30 −30 +13 − 2 +15 +12 +62 −22 − 2	0	−1.86
80254	16 23 01.95	+32 37 35.5	7.63	H	245.758 128 92	+32.626 531 44	2.62	−26.29	−8.53	0.50	0.59	0.77	0.57	0.72	+ 2 −12 −10 +20 +12 −18 + 7 − 2 + 1 −20	1	0.47
80255	16 23 02.31	−71 55 06.0	7.76	H	245.759 639 96	−71.918 324 11	6.26	1.03	−52.55	0.55	0.70	0.99	0.60	0.88	+31 − 5 + 9 − 9 − 5 −24 − 2 + 0 −22 +42	1	2.10
80256	16 23 04.41	−04 31 03.0	9.42	G	245.768 372 86	−04.517 512 38	5.86	−0.50	1.37	1.41	1.15	1.42	1.58	1.41	−23 −14 + 2 +45 −11 + 4 −10 +47 + 4 −33	3	1.01
80257	16 23 04.58	+19 30 21.4	7.39	1 H	245.769 101 06	+19.505 948 09	5.53	−13.54	14.29	0.67	0.55	0.91	0.79	0.74	+30 −34 −11 +30 +19 −13 +27 +11 −20 +43	0	1.72
80258	16 23 05.02	+36 50 30.2	10.71	H	245.770 930 36	+36.841 728 73	14.59	−184.16	144.10	2.37	2.54	3.20	3.00	3.24	+10 + 3 −10 − 6 + 5 − 8 + 4 − 8 − 1 + 2	0	
80259	16 23 05.12	+30 51 00.6	9.54	3 H	245.771 317 75	+30.850 152 86 *	0.92	−13.48	7.93	0.83	0.96	1.30	1.02	1.26	+18 − 7 − 7 +24 +17 + 1 +20 +10 +14 +30	2	1.16
80260 H	16 23 05.75	+13 50 23.3	7.95	H	245.773 941 85	+13.839 792 48 A	5.31	−28.55	8.56	1.22	1.12	1.54	1.49	1.41	−20 −20 + 5 +34 + 2 − 8 − 6 +49 − 3 +24	0	0.66
80261	16 23 05.93	−00 51 22.2	7.46	H	245.774 703 17	−00.856 162 80	7.85	−17.36	0.15	1.09	0.89	1.37	1.41	0.98	− 7 −30 −56 +13 −12 +17 + 5 +20 −28 −32	0	−0.53
80262	16 23 06.14	+17 28 05.0	8.44	H	245.775 589 64	+17.468 058 73	24.97	−131.62	304.21	0.97	0.72	1.08	1.20	1.06	−11 − 4 − 2 +60 −21 +24 −26 +56 −11 −20	3	0.17
80263	16 23 06.67	+70 47 48.6	7.58	1 H	245.777 788 23	+70.796 823 38	1.80	5.28	−1.85	0.56	0.56	0.59	0.60	0.61	− 4 + 5 − 6 −23 −13 −18 −13 +12 − 8 −11	0	0.25
80264	16 23 07.04	+50 20 39.2	7.42	H	245.779 319 09	+50.344 234 90	19.39	55.80	−8.28	0.53	0.52	0.58	0.59	0.60	+10 − 9 − 8 −11 + 3 − 8 + 3 − 9 − 5 +16	0	−0.05
80265	16 23 07.55	+65 07 57.0	9.23	H	245.781 469 51	+65.132 497 18	2.69	3.61	5.92	0.76	0.83	0.81	0.81	1.11	+16 −18 − 8 + 7 +23 − 3 +23 +30 + 5 +24	0	2.18
80266	16 23 07.61	−00 15 48.5	8.14	G	245.781 716 84	−00.263 470 04	19.15	−47.64	−21.14	1.04	0.92	1.26	1.39	1.08	−27 − 3 −52 +22 −20 +26 − 8 +20 −18 −42	0	−1.20
80267	16 23 07.66	−37 25 28.1	6.77	H	245.781 920 66	−37.424 459 94	6.69	−64.37	−48.40	0.78	0.61	0.85	0.75	0.72	−40 −29 −11 +14 −38 + 2 −24 +59 −21 −57	0	0.11
80268	16 23 07.86	−24 42 29.3	10.23	G	245.782 766 39	−24.708 139 89	59.46	−346.54	−676.58	1.81	1.35	2.05	2.14	1.67	−34 −25 − 4 + 9 − 1 − 5 + 0 +31 − 2 −35	5	0.72
80269	16 23 07.93	−18 45 24.0	9.62	H	245.783 023 23	−18.756 664 16	10.56	−27.85	−71.70	1.31	0.92	1.39	1.68	1.40	−30 −15 + 4 +22 −13 +14 −10 +54 −14 −29	0	1.51
80270 H	16 23 08.88	+47 37 48.1	7.80	H	245.786 993 82	+47.630 038 31 A	6.56	−44.59	30.24	1.46	1.41	1.47	1.46	1.53	+ 6 − 4 −11 +16 + 1 +39 + 8 − 3 − 6 −10	1	1.98
80271	16 23 09.20	+35 35 18.3	9.33	H	245.788 343 64	+35.588 421 45	10.54	−36.22	0.42	0.73	0.87	1.04	0.79	1.09	+10 +10 − 8 + 9 + 5 − 2 + 7 + 1 +17 + 8	1	1.10
80272	16 23 09.43	+80 21 04.6	7.73	H	245.789 301 79	+80.351 276 73	5.28	−18.10	35.84	0.58	0.65	0.66	0.64	0.79	+ 2 − 6 −28 + 7 +19 −11 +19 +17 − 5 + 2	0	0.75
80273	16 23 09.51	−00 42 27.3	8.15	H	245.789 624 91	−00.707 576 34	16.32	−111.30	−197.56	1.21	0.89	1.32	1.59	1.11	− 8 −32 −30 +16 − 9 +13 + 0 +17 −19 −33	0	−0.01
80274	16 23 09.69	+04 05 18.3	8.98	H	245.790 385 28	+04.088 418 80	7.53	−9.59	−21.54	1.34	1.02	1.29	1.45	1.38	+ 8 −35 −12 +57 + 1 −13 − 5 +50 +15 −25	0	0.40
80275	16 23 10.01	+25 25 10.7	10.10	H	245.791 713 34	+25.419 643 07	3.83	26.22	−2.07	0.87	1.15	1.71	0.87	1.23	+ 9 − 3 − 4 −19 +20 −18 +21 −15 −18 +43	2	1.65
80276	16 23 11.28	−21 16 59.7	9.14	H	245.797 004 34	−21.283 262 86	3.86	−0.84	−1.48	1.29	0.86	1.40	1.27	1.07	−40 −29 + 3 − 8 + 0 + 0 + 5 +23 −18 −39	0	0.06
80277	16 23 11.39	−34 55 29.4	7.17	H	245.797 468 91	−34.924 831 32	6.22	−27.84	−48.94	0.79	0.59	0.89	0.85	0.79	−35 −33 − 8 + 3 −25 + 5 −12 +44 −24 −48	0	0.63
80278	16 23 12.60	−34 33 49.8	8.78	H	245.802 486 17	−34.563 821 74	7.32	−48.01	−45.96	1.20	1.15	1.52	1.62	1.43	−49 −10 −24 +17 −48 +26 −33 +68 −37 −50	0	0.50
80279	16 23 14.72	+33 41 48.6	7.65	H	245.811 326 96	+33.696 837 04	16.27	−39.13	101.85	0.48	0.58	0.73	0.52	0.67	− 1 − 6 −19 +12 + 4 −10 + 1 + 6 +10 −22	0	0.14
80280	16 23 14.77	+62 28 53.1	8.27	H	245.811 535 77	+62.481 404 23	1.06	−14.43	13.71	0.59	0.59	0.63	0.55	0.64	+11 − 6 −20 −41 −20 − 1 −17 −15 + 8 −17	0	−0.08
80281	16 23 17.61	+35 36 42.7	7.19	H	245.823 391 45	+35.611 865 50	5.86	11.76	−40.16	0.51	0.56	0.68	0.54	0.69	+ 8 + 7 −10 + 5 + 7 + 5 + 9 + 2 +11 + 7	0	1.75
80282	16 23 18.43	−13 58 39.4	9.20	H	245.826 799 99	−13.977 623 81	8.25	−99.44	−131.54	1.29	1.00	1.39	1.47	1.24	−25 −29 −13 +18 −21 +13 −13 +40 −16 −41	0	0.32
80283	16 23 20.19	+66 37 22.2	10.22	H	245.834 141 04	+66.622 824 84	0.80	2.76	14.63	0.89	1.01	0.98	1.01	1.27	+ 8 −11 − 6 + 5 − 2 −20 + 5 +39 − 3 −13	1	1.06
80284	16 23 20.97	+58 42 49.8	8.94	H	245.837 365 41	+58.713 833 00	12.11	−43.21	53.67	0.78	0.69	0.81	0.91	0.85	+ 4 −13 − 9 + 1 − 6 +13 − 2 + 8 −23 − 7	3	0.78
80285	16 23 21.31	−51 30 08.8	8.99	H	245.838 786 11	−51.502 434 38	5.67	−9.23	−16.97	0.96	0.80	1.30	1.19	1.03	+ 4 − 7 −26 +13 − 4 + 3 − 3 +37 −24 + 6	0	0.60
80286	16 23 21.54	+64 05 37.0	8.42	H	245.839 743 41	+64.093 617 60	3.16	−11.43	−0.59	0.65	0.64	0.70	0.58	0.72	+ 8 −15 −16 −36 − 7 − 8 − 3 + 9 − 3 − 9	3	1.09
80287	16 23 21.56	−14 42 57.1	9.33	H	245.839 834 95	−14.715 867 33	11.92	−27.24	−15.54	1.34	1.01	1.52	1.56	1.28	−28 −33 −18 +14 −23 +14 −10 +41 −19 −40	0	1.98
80288	16 23 22.28	+10 00 17.4	8.60	H	245.842 817 81	+10.004 827 73	14.77	52.58	−30.86	1.05	0.83	1.44	1.12	1.03	−36 −47 + 3 +50 −31 + 8 −38 +72 +15 −15	0	−0.19
80289	16 23 22.49	+13 16 34.1	8.85	H	245.843 709 72	+13.276 132 26	9.79	5.59	−25.59	1.00	1.00	1.50	1.50	1.46	−26 − 2 −26 +12 −22 −30 −36 +56 −49 +20	4	0.07
80290	16 23 22.95	−26 22 16.1	9.60	2 H	245.845 607 97	−26.371 139 40	12.29	−18.10	−34.43	1.33	0.91	1.53	1.33	1.08	− 6 −39 −24 + 5 − 9 + 7 + 4 +28 −24 + 0	0	0.66
80291 H	16 23 23.38	−08 58 56.8	8.38	H	245.847 415 95	−08.982 449 36 *	11.49	−48.78	−34.99	6.19	3.45	1.78	1.84	1.61	− 5 −29 −36 − 8 + 3 −28 − 2 + 8 +26 −54	2	0.79
80292	16 23 24.08	+23 57 21.3	9.64	H	245.850 345 70	+23.955 915 73	3.92	−7.74	3.72	0.69	0.96	1.39	0.82	1.20	+ 2 − 3 + 3 +26 + 0 − 2 + 1 +17 −11 + 7	1	1.31
80293	16 23 24.60	+01 32 51.5	8.67	H	245.852 518 32	+01.547 641 50	14.42	−1.61	−95.26	1.34	1.26	1.32	1.71	1.70	−49 − 9 −25 +51 −44 +22 −35 +59 −27 −60	0	0.03
80294	16 23 25.62	−52 14 57.4	9.99	H	245.856 763 43	−52.249 280 85	−2.69	−2.48	−2.25	1.90	1.41	2.37	2.46	1.88	+26 −22 −32 +22 + 7 +12 +15 +49 −22 +21	4	−0.38
80295	16 23 27.00	−11 35 39.5	10.40	G	245.862 511 48	−11.594 316 85	20.67	−152.06	−121.87	1.90	1.61	2.17	2.37	2.01	−27 −18 −32 +16 −21 + 3 −16 +39 −14 −45	3	−0.80
80296	16 23 27.72	−56 19 47.0	8.23	H	245.865 520 36	−56.329 723 86	2.38	−5.83	−12.36	0.77	0.62	0.96	0.86	0.74	+16 − 8 +11 +44 +34 + 2 +35 +59 − 1 +21	1	1.59
80297	16 23 31.48	+02 12 52.5	8.91	H	245.881 170 06	+02.214 576 80	4.01	9.95	8.77	1.59	1.41	1.44	1.73	1.63	−55 −33 −13 +40 −52 + 3 −51 +63 + 3 −58	4	2.14
80298	16 23 32.77	+44 22 42.1	8.60	H	245.886 540 24	+44.378 371 08	4.45	−0.02	15.08	0.68	0.61	0.80	0.78	0.72	− 9 + 3 − 4 + 7 + 2 −20 + 1 + 4 − 4 −30	0	−0.49
80299	16 23 33.02	−34 57 00.0	9.91	H	245.887 566 72	−34.949 990 59	12.56	−23.67	−79.24	1.46	1.11	1.79	1.61	1.58	−29 −22 −23 + 7 −31 +17 −15 +53 −43 −42	0	4.37
80300	16 23 33.78	−39 13 46.2	11.01	G	245.890 749 46	−39.229 489 95	78.04	75.52	0.05	2.07	1.35	2.40	2.54	1.74	−23 −14 −14 − 5 +12 −15 +14 +35 − 7 −28	0	1.27

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
80201	9.762	0.018	9.079	0.016		0.620	0.018	T	0.69	0.02	L	9.1414	0.0020	0.021	146		9.10	9.19					1							
80202	10.141	0.026	8.313	0.011	*	1.558	0.197	G	1.58	0.07	L *	8.2712	0.0013	0.012	102	*	8.25	8.29		C	16224+0954	H 1	2 C B	AB	96	0.335	0.073	3.09	0.76	
80203	9.093	0.014	8.595	0.014		0.468	0.018	T	0.54	0.02	L	8.6407	0.0017	0.013	89		8.61	8.67		C			1							S
80204	10.621	0.037	8.396	0.011		1.879	0.032	T	2.66	0.04	O	8.1749	0.0033	0.030	137		8.13	8.22		U 2			1							
80205	10.322	0.030	9.198	0.019		0.968	0.028	T	0.95	0.02	L	9.2519	0.0022	0.022	108		9.22	9.29		C			1							
80206	9.899	0.022	9.251	0.020		0.601	0.026	T	0.67	0.02	L	9.3561	0.0025	0.022	102		9.31	9.40					1							
80207	11.530	0.099	9.266	0.023		1.868	0.081	T	1.90	0.08	L	9.0810	0.0028	0.026	80		9.03	9.12					1							
80208	5.257	0.002	5.314	0.003		−0.047	0.003	T	−0.03	0.00	L	5.3137	0.0006	0.006	104		5.30	5.32					1							S
80209	9.473	0.018	8.033	0.010		1.200	0.015	G	1.16	0.01	H	8.0663	0.0016	0.014	104		8.05	8.09					1							
80210	8.839	0.010	8.069	0.008		0.701	0.010	T	0.76	0.01	L	8.1374	0.0015	0.016	170		8.11	8.16					1							S
80211	9.886	0.023	8.730	0.015		0.980	0.015	G	0.96	0.01	H	8.8066	0.0020	0.019	118		8.78	8.84		C			1							
80212	7.355	0.006	6.035	0.004		1.121	0.006	T	1.08	0.01	L	6.0633	0.0008	0.007	89		6.05	6.08			16225−4355	I 1	1							S
80213	11.044	0.080	9.253	0.031		1.522	0.071	T	1.72	0.23	O	9.1844	0.0034	0.021	53		9.15	9.23		C			1							
80214	7.421	0.006	5.579	0.003		1.523	0.004	G	1.57	0.02	L	5.5231	0.0008	0.009	137		5.51	5.54		M			1							S G
80215	11.238	0.057	9.315	0.019	*	1.068	0.197	G	1.69	0.11	S *	9.2196	0.0030	0.027	115	*	9.18	9.26		R	16225+4935	H 1	2 C S B	AB	62	0.177	0.015	0.89	0.44	
80216	10.707	0.047	9.168	0.021		1.293	0.041	T	1.25	0.04	L	9.2194	0.0019	0.016	86		9.19	9.25		C			1							
80217	9.834	0.033	9.127	0.027		0.710	0.015	G	0.76	0.01	H	9.1515	0.0019	0.018	51		9.11	9.18		C			1							
80218	8.218	0.012	7.405	0.010		0.718	0.012	T	0.77	0.01	L	7.4761	0.0013	0.010	55		7.47	7.50		C	16226−0414	I 1	1							S
80219	9.465	0.015	7.598	0.007		1.552	0.013	T	1.57	0.01	L	7.5463	0.0017	0.014	110		7.53	7.57					1							S
80220	9.041	0.016	8.453	0.015		0.550	0.016	T	0.62	0.01	L	8.5265	0.0011	0.010	80		8.51	8.55					1							
80221	9.145	0.019	8.418	0.017		0.690	0.000	G	0.75	0.00	H	8.4313	0.0022	0.014	102		8.41	8.45		C			1							
80222	9.043	0.015	8.290	0.012		0.673	0.015	T	0.73	0.01	L	8.3480	0.0034	0.037	106		8.31	8.43		U 2			1							
80223	9.448	0.016	8.427	0.012	*	0.872	0.002	G	0.88	0.00	H *	8.4736	0.0026	0.021	116	*	8.45	8.52		U	16226+8836	H 1	2 C A	AB	291	0.573	0.008	2.52	0.04	
80224	9.051	0.016	8.698	0.017		0.343	0.021	T	0.40	0.03	L	8.6822	0.0017	0.017	73		8.66	8.71		C			1							
80225	9.863	0.020	8.831	0.014		0.898	0.018	T	0.90	0.01	L	8.8691	0.0021	0.018	126		8.84	8.92					1							
80226	9.588	0.016	8.079	0.009		1.269	0.014	T	1.23	0.01	L	8.0959	0.0013	0.015	144		8.06	8.12					1							
80227	6.315	0.006	6.251	0.006		0.058	0.008	T	0.07	0.01	L	6.2678	0.0012	0.007	42		6.26	6.28					1							S
80228	9.280	0.013	8.818	0.013		0.435	0.017	T	0.50	0.02	L	8.8902	0.0019	0.018	149		8.85	8.93		C			1							S
80229						1.450	0.020	G	2.20	0.03	A	11.8775	0.0081	0.067	86		11.75	11.98					1							D
80230	11.128	0.069	9.251	0.022		1.560	0.057	T	1.58	0.06	L	9.1535	0.0022	0.020	109		9.12	9.18		C			1							
80231	7.851	0.007	7.730	0.008		0.117	0.010	T	0.13	0.01	L	7.7486	0.0011	0.012	132		7.73	7.77		C			1							S
80232	10.576	0.033	9.713	0.026		0.757	0.032	T	0.80	0.02	L	9.7606	0.0023	0.022	123		9.72	9.80		C			1							
80233	8.486	0.009	7.393	0.007		0.944	0.009	T	0.93	0.01	L	7.4488	0.0012	0.012	130		7.43	7.47					1							S
80234	10.143	0.033	9.604	0.034	A	0.576	0.400	G	0.68	0.11	L *	9.4494	0.0030	0.017	51	*	9.42	9.47		D	16228−0722	I 1	2 C A	AB	335	1.381	0.012	1.48	0.05	
80235	9.962	0.029	8.060	0.013		1.579	0.025	T	1.60	0.03	L	7.9962	0.0028	0.025	116		7.97	8.03		U 2	16239+6130	I 2	1							S
80236	9.985	0.025	8.709	0.015		1.110	0.015	G	1.07	0.02	H	8.7285	0.0017	0.015	109		8.70	8.75		C			1							
80237	9.423	0.019	8.827	0.018		0.556	0.019	T	0.63	0.02	L	8.8723	0.0018	0.019	96		8.85	8.90					1							
80238	7.873	0.010	7.638	0.011	*	0.271	0.015	G	0.31	0.02	H *	7.6034	0.0011	0.008	78	*	7.59	7.62		D	16229−2307	I 1	2 C A	AB	319	1.045	0.010	1.68	0.03	S
80239	9.005	0.011	8.434	0.011		0.534	0.014	T	0.61	0.01	L	8.4973	0.0017	0.015	144		8.47	8.53					1							S
80240	7.294	0.005	6.912	0.005	*	0.373	0.006	T	0.44	0.01	L *	6.9593	0.0008	0.007	92	*	6.95	6.97		D	16229−1701	M 1	2 C S A	AB	76	0.183	0.012	0.20	0.34	S
80241	8.891	0.011	7.025	0.005		1.551	0.010	T	1.57	0.01	L	6.9759	0.0012	0.011	154		6.95	6.99					1							S
80242	11.141	0.075	9.709	0.034	B	1.208	0.064	T	1.17	0.06	L	9.8048	0.0202			B				D	16229−3104	I 2	1 C I A							
80243	9.794	0.027	8.855	0.020		0.815	0.026	T	0.84	0.02	L	8.8536	0.0018	0.017	109		8.83	8.88		C			1							
80244	6.648	0.003	6.733	0.004		−0.073	0.005	T	−0.05	0.01	L	6.7318	0.0008	0.008	173		6.72	6.74		C			1							S
80245	10.362	0.035	9.628	0.030	A	0.673	0.037	T	0.73	0.03	L	9.7077	0.0195	0.105	79	A	9.57	9.97		D	16229−3104	I 2	1 C P A							G
80246	8.069	0.007	7.982	0.008		0.086	0.002	G	0.10	0.00	H	7.9931	0.0013	0.013	154		7.97	8.01		C			1							S
80247	6.506	0.004	6.414	0.004		0.083	0.005	T	0.10	0.01	L	6.4459	0.0007	0.007	151		6.43	6.46		C	16229+3220	I 1	1							S
80248	9.767	0.024	7.716	0.010		1.736	0.021	T	2.70	0.03	O	7.4488	0.0037	0.027	50		7.41	7.51		U 2			1 S							S
80249	9.340	0.017	8.632	0.015		0.652	0.018	T	0.72	0.02	L	8.6693	0.0017	0.017	100		8.64	8.70					1							
80250	9.263	0.014	8.383	0.011		0.763	0.002	G	0.81	0.00	H	8.4476	0.0014	0.016	139		8.42	8.48					1							
80251	11.186	0.065	9.227	0.020		1.760	0.015	G	1.74	0.01	J	9.1331	0.0026	0.017	83		9.10	9.16					1							G
80252	10.193	0.042	9.089	0.028		0.952	0.039	T	0.94	0.03	L	9.1488	0.0029	0.015	53		9.12	9.17		C			1							
80253	10.847	0.041	10.292	0.041		0.564	0.020	G	0.64	0.02	H	10.3634	0.0041	0.030	116		10.30	10.40					1							G
80254	9.344	0.014	7.763	0.007		1.326	0.012	T	1.29	0.01	L	7.7829	0.0015	0.015	162		7.76	7.81					1							S
80255	9.415	0.013	7.921	0.007		1.257	0.012	T	1.22	0.01	L	7.9246	0.0012	0.015	179		7.90	7.95					1							
80256	10.117	0.042	9.514	0.038		0.610	0.020	G	0.68	0.02	H	9.5567	0.0031	0.023	59		9.51	9.59		C			1							
80257	7.619	0.007	7.413	0.006		0.197	0.009	T	0.22	0.01	L	7.4544	0.0016	0.015	116		7.43	7.48		M			1							S
80258	11.888	0.120	10.753	0.071		0.969	0.110	T	1.02	0.10	L	10.8505	0.0047	0.045	110		10.76	10.92					1 X							G
80259	11.110	0.071	9.719	0.032		1.192	0.064	T	4.03	0.11	O	9.0173	0.0242	0.298	147		8.51	9.42		U 2 C			1 V							
80260	8.369	0.014	7.941	0.013	*	0.366	0.015	G	0.43	0.02	H *	8.0412	0.0013	0.014	107	*	8.02	8.07		D	16231+1350	I 1	2 C A	AB	312	7.012	0.011	2.31	0.05	S
80261	7.857	0.011	7.479	0.012		0.358	0.015	T	0.42	0.02	L	7.5433	0.0031	0.015	39		7.52	7.57			16231−0051	I 1	1							S
80262	9.323	0.014	8.515	0.011		0.724	0.006	G	0.77	0.01	H	8.5766	0.0019	0.020	134		8.55	8.61					1							S
80263	9.729	0.020	7.775	0.008		1.621	0.017	T	1.64	0.02	L	7.6914	0.0023	0.021	115		7.67	7.72		U 2			1							S
80264	8.032	0.008	7.481	0.008		0.516	0.010	T	0.59	0.01	L	7.5318	0.0012	0.008	110		7.52	7.55					1							S
80265	10.519	0.033	9.322	0.020		1.025	0.030	T	1.00	0.03	L	9.3980	0.0020	0.020	115		9.34	9.43		C			1							
80266	8.853	0.017	8.218	0.015		0.571	0.015	G	0.64	0.01	H	8.2581	0.0024	0.012	52		8.24	8.28		C			1							S
80267	8.412	0.010	6.901	0.006		1.271	0.009	T	1.23	0.01	L	6.9319	0.0011	0.010	92		6.91	6.95					1							S
80268						1.458	0.014	G	1.89	0.01	A	10.2834	0.0036	0.030	70		10.24	10.33		C			1 G							G
80269	10.302	0.032	9.686	0.029		0.571	0.032	T	0.64	0.03	L	9.7414	0.0019	0.019	90		9.72	9.77		C			1							
80270	8.307	0.014	7.735	0.012	*	0.535	0.016	T	0.61	0.02	L *	7.9184	0.0016	0.014	122	*	7.90	7.95		D	16231+4738	I 1	2 C A	AB	326	1.895	0.002	0.13	0.01	S
80271	9.994	0.022	9.344	0.020		0.604	0.025	T	0.67	0.02	L	9.4550	0.0027	0.025	126		9.41	9.50					1							
80272	8.991	0.014	7.822	0.009		1.003	0.013	T	0.98	0.01	L	7.8988	0.0014	0.012	92		7.88	7.92		C			1							S
80273	8.855	0.017	8.222	0.015		0.572	0.009	G	0.64	0.01	H	8.2771	0.0020	0.013	43		8.25	8.31		C			1							S
80274	9.435	0.027	9.039	0.028		0.375	0.036	T	0.44	0.04	L	9.0666	0.0025	0.019	54		9.03	9.09					1							
80275	10.726	0.027	10.177	0.027		0.514	0.034	T	0.59	0.04	L	10.2177	0.0030	0.040	239		10.14	10.29					1 S							
80276	11.545	0.094	9.343	0.024		1.819	0.078	T	1.85	0.08	L	9.2373	0.0027	0.018	77		9.21	9.27		C			1 S							
80277	7.599	0.007	7.215	0.007		0.375	0.008	T	0.44	0.01	L	7.2597	0.0010	0.008	81		7.25	7.27		C			1							S
80278	9.402	0.019	8.857	0.018		0.517	0.020	T	0.59	0.02	L	8.8977	0.0021	0.018	81		8.88	8.93		C			1 G							
80279	8.248	0.008	7.720	0.008		0.495	0.010	T	0.57	0.01	L	7.7630	0.0013	0.013	140		7.74	7.79					1							S
80280	10.145	0.026	8.434	0.012		1.428	0.023	T	1.42	0.04	L	8.4044	0.0017	0.016	104		8.38	8.43					1							
80281	8.349	0.008	7.300	0.006		0.911	0.008	T	0.91	0.01	L	7.3459	0.0011	0.012	131		7.33	7.37		C			1							S
80282	10.253	0.035	9.316	0.026		0.827	0.032	T	0.85	0.02	L	9.3566	0.0020	0.020	60		9.31	9.39		C			1							
80283	11.967	0.117	10.328	0.041		0.557	0.072	G	1.28	0.13	S	10.3751	0.0042	0.031	112		10.32	10.42		R			1							
80284	9.703	0.023	8.998	0.019		0.649	0.024	T	0.71	0.02	L	9.0800	0.0022	0.015	91		9.05	9.11		C			1							
80285	10.237	0.028	9.146	0.018		0.943	0.025	T	0.93	0.02	L	9.1503	0.0025	0.018	105		9.11	9.18		C			1							
80286	9.965	0.023	8.544	0.012		1.200	0.020	T	1.16	0.02	L	8.5832	0.0016	0.016	103		8.56	8.61					1							
80287	10.064	0.034	9.467	0.031		0.557	0.034	T	0.63	0.03	L	9.4493	0.0019	0.014	53		9.43	9.48					1							
80288	9.205	0.014	8.675	0.013		0.497	0.017	T	0.57	0.02	L	8.7059	0.0014	0.013	105		8.68	8.72					1							
80289	9.412	0.018	8.909	0.018		0.473	0.023	T	0.54	0.02	L	8.9569	0.0022	0.019	82		8.93	8.99		C			1							
80290	10.432	0.040	9.724	0.034		0.626	0.005	G	0.69	0.00	H	9.7298	0.0056	0.040	78		9.67	9.78		U 2			1 S							D
80291	9.454	0.027	8.508	0.020	*	0.834	0.025	T	0.85	0.02	L *	8.5324	0.0018	0.013	47	*	8.50	8.55		D	16234−0859	H 1	2 C B	AB	247	0.282	0.021	1.77	0.20	S
80292	10.130	0.022	9.632	0.022		0.468	0.028	T	0.54	0.03	L	9.7467	0.0023	0.027	183		9.69	9.80					1							
80293	9.472	0.033	8.749	0.028		0.664	0.035	T	0.73	0.03	L	8.8050	0.0025	0.013	37		8.78	8.83					1							
80294	11.587	0.127	10.149	0.052		1.213	0.108	T	1.17	0.11	L	10.1530	0.0047	0.035	97		10.09	10.21		R			1							
80295	11.404	0.092	10.525	0.067		1.009	0.008	G	1.05	0.01	I	10.5369	0.0037	0.027	64		10.43	10.59					1							G
80296	8.363	0.008	8.263	0.010		0.097	0.012	T	0.11	0.01	L	8.2651	0.0014	0.015	147		8.24	8.29		C			1							
80297	10.143	0.049	9.087	0.033		0.916	0.045	T	0.91	0.03	L	9.0711	0.0030	0.017	40		9.04	9.10		R	16235+0213	I 1	1 S							
80298	8.900	0.012	8.614	0.013		0.276	0.015	G	0.31	0.02	H	8.6732	0.0019	0.017	124		8.65	8.71					1							S
80299	10.885	0.055	10.034	0.042		0.747	0.053	T	0.79	0.04	L	10.0475	0.0037	0.024	81		10.01	10.09					1 S							G
80300	10.738	0.047	10.974	0.101		−0.165	0.032	G	−0.17	0.04	H	10.9942	0.0047	0.034	90		10.91	11.07					1							G

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ mas/yr	Standard Errors α* mas	δ mas	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ mas/yr	Astrometric Correlations (%) δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
80301	16 23 34.16	+48 03 09.9	8.52	H	245.892 352 21	+48.052 739 51	2.42	−4.17	−19.62	0.68	0.61	0.75	0.73	0.70	+ 5	+15	− 3	−11	+16	− 9	+20	+ 2	+14	− 6	1	−0.30
80302	16 23 35.69	+21 03 27.2	8.08	2 H	245.898 728 12	+21.057 548 25	5.18	6.56	−4.36	0.61	0.55	0.89	0.58	0.67	+16	−15	−13	−56	−24	+10	−21	− 1	−14	+ 6	0	−0.71
80303	16 23 36.47	+46 50 27.0	9.73	H	245.901 975 20	+46.840 823 90	13.27	−33.83	205.11	1.00	0.91	1.12	1.13	1.02	−19	+12	−13	−18	+10	− 9	+11	−20	+13	−35	0	1.67
80304	16 23 38.06	−60 08 15.8	8.77	H	245.908 566 38	−60.137 718 25	1.98	0.20	−6.29	0.67	0.75	1.10	0.84	0.97	− 7	− 3	−15	+28	+ 5	− 8	+ 5	+50	−10	− 7	0	0.18
80305	16 23 39.93	−41 04 26.5	7.39	H	245.916 368 52	−41.074 027 80	1.99	−1.84	−12.55	0.87	0.58	0.98	0.94	0.80	−20	−24	− 3	− 2	−27	−19	−15	+51	−17	−34	0	−0.01
80306	16 23 43.72	−02 15 54.3	8.31	H	245.932 153 27	−02.265 085 16	3.67	4.38	0.86	1.39	0.96	1.43	1.54	1.15	+ 2	−43	−16	+42	+32	−23	+28	+ 8	− 5	−10	0	0.45
80307 H	16 23 45.26	−41 14 49.5	7.53	H	245.938 584 58	−41.247 081 82	A 13.18	−46.53	−37.33	2.23	1.39	2.34	3.01	1.88	−23	− 3	−17	+ 8	−16	−15	−17	+65	−29	−23	3	0.74
80308	16 23 46.10	−40 46 30.4	9.48	H	245.942 091 19	−40.775 114 69	2.85	−1.29	−3.05	1.39	0.87	1.53	1.74	1.28	− 4	−12	−17	+ 5	+18	−15	+26	+40	−16	−17	0	−1.15
∗80309 H	16 23 47.19	+61 41 47.0	5.67	G	245.946 624 40	+61.696 378 67	A 7.91	−29.54	33.99	0.73	0.60	0.61	0.68	0.64	+ 7	−15	−19	−42	−26	+11	−14	− 6	+ 0	−32	2	1.02
∗80310	16 23 47.18	+11 35 27.7	7.76	G	245.946 564 88	+11.591 038 63	2.84	0.06	−32.54	0.74	0.69	1.01	0.87	0.84	−13	−32	− 4	+40	−11	−10	− 9	+51	−12	+ 6	0	−0.38
∗80311	16 23 47.18	−26 16 15.6	8.92	G	245.946 573 33	−26.271 001 34	7.78	−11.12	−18.61	1.08	0.73	1.22	1.09	0.94	−14	−44	−18	+ 9	−17	+ 4	− 4	+42	−17	−37	0	0.69
80312	16 23 47.23	−36 27 06.3	8.35	H	245.946 776 07	−36.451 737 43	8.71	−24.98	−26.63	1.06	0.78	1.13	1.36	0.99	−14	−10	+11	+38	+10	+15	+ 4	+62	−10	+ 2	0	−1.20
80313	16 23 47.41	+33 09 15.5	11.09	H	245.947 544 14	+33.154 292 81	4.96	−16.37	29.17	2.67	2.98	3.86	3.16	3.58	+ 5	− 4	− 9	+ 3	+14	− 9	+13	−14	+15	+ 9	0	
80314	16 23 47.85	+42 06 40.6	8.00	G	245.949 384 61	+42.111 272 26	3.60	−12.24	12.17	0.56	0.54	0.67	0.60	0.64	+15	−23	−15	+17	+16	−13	+13	+ 9	+ 9	+17	1	−0.32
80315	16 23 49.94	−02 58 29.1	9.25	H	245.958 065 71	−02.974 760 88	22.95	−56.79	−64.98	1.65	1.08	1.60	1.74	1.30	+10	−40	−29	+40	+42	−12	+41	+ 1	−11	− 9	0	1.63
80316	16 23 51.33	−30 10 52.9	7.98	H	245.963 858 08	−30.181 353 96	1.25	−0.04	0.19	0.89	0.63	1.04	1.01	0.84	−26	−20	−15	− 2	− 6	+ 5	+ 4	+31	−28	−39	0	−0.94
80317	16 23 52.64	+16 06 03.7	8.48	H	245.969 334 41	+16.101 038 10	4.97	10.68	−34.06	0.88	0.66	1.06	1.36	1.04	+36	−10	+ 6	+42	+19	+ 9	+19	+60	− 8	+33	0	1.97
80318	16 23 53.83	+22 48 53.7	9.01	H	245.974 288 79	+22.814 929 45	4.28	−19.87	8.55	0.85	0.85	1.30	0.88	1.04	+16	−23	+ 0	−29	−18	+12	−14	+14	−10	+ 3	0	1.24
∗80319	16 23 53.92	+83 16 57.9	9.89	H	245.974 670 02	+83.282 754 09	0.50	4.40	−2.55	0.74	0.82	0.91	0.85	1.15	+ 5	−22	−21	−19	+12	+ 1	+ 8	−34	+20	−12	0	2.23
∗80320	16 23 53.87	−29 46 39.9	9.28	1 H	245.974 456 69	−29.777 744 40	6.68	−15.57	−26.26	1.15	0.78	1.34	1.23	0.97	−22	−17	−12	− 1	− 1	+ 1	+ 6	+35	−29	−27	0	−1.52
80321	16 23 55.24	+41 52 23.3	9.13	H	245.980 181 00	+41.873 131 70	1.34	−14.26	−15.34	0.79	0.74	0.93	0.91	0.86	+18	−22	−26	+ 7	+ 8	− 6	+ 7	− 5	+ 2	+23	4	1.45
80322	16 23 55.67	+28 23 02.6	7.48	H	245.981 938 06	+28.384 043 27	3.33	−11.97	−1.16	0.49	0.63	0.89	0.53	0.81	+10	− 8	+ 7	+ 2	+ 7	+10	+ 9	+21	−15	+ 6	2	2.06
80323	16 23 56.53	−52 17 52.2	8.74	G	245.985 526 24	−52.297 844 16	0.26	−0.09	−3.80	0.96	0.73	1.28	1.32	1.00	+17	−28	−33	− 1	−11	+17	+ 0	+46	−18	+ 4	0	−0.14
80324 H	16 23 56.72	−33 11 57.6	6.45	G	245.986 353 97	−33.199 329 14	A 8.56	−10.65	−27.49	1.45	0.88	1.41	1.53	1.01	−20	−26	− 5	+ 4	+ 2	−10	+ 9	+37	−37	−14	5	0.99
80325	16 23 57.42	+27 20 20.7	8.89	H	245.989 253 36	+27.339 087 51	7.65	9.29	2.92	0.61	0.83	1.15	0.73	1.13	+16	−11	− 1	−21	− 4	+ 9	− 1	+ 6	−16	+ 9	0	−0.92
80326	16 23 57.48	+30 36 50.3	9.37	H	245.989 482 77	+30.613 963 48	8.48	−35.96	−38.55	0.71	0.87	1.13	0.81	1.05	+ 9	− 1	−16	+20	+21	−13	+20	− 4	+15	+ 7	1	−0.52
80327	16 23 57.57	+38 38 30.2	7.88	H	245.989 857 26	+38.641 729 53	2.00	−18.57	8.12	0.59	0.60	0.73	0.68	0.75	+11	+ 3	− 7	−10	−12	−12	−12	+11	−14	− 2	0	−0.05
80328	16 23 57.69	+50 12 09.9	8.15	H	245.990 395 82	+50.202 749 97	1.38	−14.83	21.68	0.67	0.65	0.73	0.78	0.76	+21	−17	−14	− 3	+ 5	− 6	+ 4	+ 5	− 3	+30	0	−0.48
80329	16 23 58.21	+19 11 42.2	8.93	H	245.992 524 83	+19.195 042 83	0.55	−1.01	12.58	0.89	0.79	1.25	0.98	1.03	+24	−30	− 3	+21	+25	− 3	+29	+11	− 8	+34	0	1.64
80330	16 23 58.60	+43 04 26.9	8.16	H	245.994 179 91	+43.074 133 11	5.57	−24.82	12.46	0.58	0.56	0.67	0.63	0.65	− 3	− 6	− 4	+ 4	+11	− 6	+11	+ 3	+ 3	− 3	0	2.60
80331	16 23 59.51	+61 30 50.7	2.73	G	245.997 945 23	+61.514 075 36	37.18	−16.98	56.68	0.46	0.41	0.45	0.46	0.44	+ 9	− 9	−15	−39	− 5	− 3	− 5	−17	+ 6	+ 3	2	1.32
80332	16 23 59.97	+12 51 57.7	8.97	H	245.999 858 87	+12.866 031 34	4.04	−15.84	3.79	1.01	0.96	1.48	2.03	1.56	−14	+ 3	−17	+27	− 7	−21	−15	+48	−39	+43	0	1.58
80333	16 24 00.27	+20 18 02.6	9.12	H	246.001 139 67	+20.300 732 56	−1.09	−12.17	11.68	0.81	0.80	1.32	0.93	0.97	+25	−22	−32	−14	−14	+ 4	− 6	+ 4	−29	+15	0	−1.48
80334	16 24 00.59	+19 38 04.5	7.84	H	246.002 475 68	+19.634 570 24	1.99	−14.49	−3.59	0.77	0.63	1.00	0.98	0.90	+40	−24	− 3	+39	+32	−12	+39	+25	−29	+54	0	−0.74
80335	16 24 00.98	+29 36 57.6	7.86	H	246.004 078 20	+29.615 995 92	7.36	−14.78	−10.00	0.49	0.63	0.82	0.55	0.83	+ 4	− 7	− 3	+18	− 3	− 4	− 2	+27	+ 2	−11	0	0.72
80336	16 24 01.04	−58 36 19.8	7.17	H	246.004 313 95	−58.605 495 42	12.71	−53.11	−64.00	0.58	0.54	0.83	0.69	0.70	− 7	−17	−26	+32	−11	+ 0	− 3	+49	−29	−26	0	−0.70
80337	16 24 01.24	−39 11 34.8	5.37	1 H	246.005 146 51	−39.192 988 57	77.69	72.64	3.41	0.76	0.47	0.86	0.84	0.65	−28	−28	−12	−15	− 6	−25	+ 6	+33	− 1	−54	0	0.12
80338	16 24 02.90	−25 24 53.8	9.41	H	246.012 090 31	−25.414 949 74	6.50	−11.86	−24.55	1.38	0.94	1.50	1.63	1.17	− 2	−27	−14	+14	+ 4	+12	+ 4	+30	+ 7	− 5	0	0.34
80339	16 24 03.56	−31 51 24.1	9.89	H	246.014 848 00	−31.856 699 49	6.57	31.27	−34.95	1.51	0.94	1.71	2.00	1.19	−13	−18	−31	− 9	+24	+ 4	+27	+20	−20	−12	0	0.67
80340	16 24 03.87	−11 01 25.2	7.58	H	246.016 118 65	−11.023 677 45	8.09	−1.80	19.42	1.02	0.72	1.11	1.19	0.89	− 7	−28	−18	+21	+ 1	− 8	+ 3	+25	− 9	−18	0	−0.15
80341	16 24 04.26	−32 15 31.5	8.62	1 H	246.017 766 79	−32.258 744 60	8.20	1.62	−30.91	1.17	0.73	1.25	1.38	0.92	−34	−19	−11	−19	+21	+ 2	+25	+19	−16	−38	0	0.69
80342	16 24 04.48	−70 08 42.5	7.05	H	246.018 682 52	−70.145 148 70	4.57	−18.34	−53.29	0.37	0.54	0.72	0.42	0.63	+10	−15	− 5	− 4	− 4	− 8	− 6	+14	+11	+11	2	−0.98
80343	16 24 06.20	−20 02 14.0	4.48	H	246.025 822 04	−20.037 211 37	18.32	−21.48	−47.53	0.88	0.70	0.89	1.09	0.94	−45	− 6	−11	+40	−35	+14	−33	+69	−23	−43	0	0.87
80344	16 24 06.29	−13 03 04.7	10.22	H	246.026 190 62	−13.051 303 47	5.90	−33.91	−29.29	2.17	1.38	2.25	2.22	1.66	−12	−46	+ 4	+24	+ 5	+ 8	+13	+30	−19	−12	0	2.37
80345	16 24 07.93	−09 06 12.4	8.68	H	246.033 032 64	−09.103 452 20	3.20	−5.42	8.65	1.22	1.00	1.36	1.46	1.26	−35	−22	−33	−28	+26	−10	+25	−24	− 1	−57	0	1.84
∗80346	16 24 08.32	+48 21 14.4	10.27	G	246.034 661 58	+48.354 004 04	+ 124.34	1145.33	−452.28	1.09	1.66	1.16	1.33	1.67	+31	+18	− 7	+ 3	+14	−11	−16	−65	+ 0	+ 0	0	−0.53
∗80347	16 24 08.26	+11 25 29.7	7.67	H	246.034 422 85	+11.424 910 08	6.18	29.33	−34.41	0.79	0.71	1.00	0.83	0.81	−16	−37	− 9	+44	−22	−14	−20	+57	−11	−10	0	1.10
80348	16 24 09.10	+16 09 21.9	8.51	H	246.037 911 59	+16.156 085 13	3.46	−24.15	0.08	0.95	0.71	1.10	1.39	1.04	+ 4	− 7	+ 3	+42	− 4	+10	− 4	+52	−10	+11	0	0.89
∗80349 H	16 24 10.48	+37 02 11.7	7.77	H	246.043 666 13	+37.036 591 26	A 9.50	−103.79	11.77	1.46	1.59	1.73	1.51	1.90	− 6	+ 2	−18	+ 0	−14	+ 9	− 9	+22	−24	−29	6	2.26
∗80350	16 24 10.27	+22 22 11.1	9.24	H	246.042 805 02	+22.369 738 15	12.52	13.07	−173.60	0.90	0.95	1.47	0.99	1.14	+12	−25	+19	−11	−16	+ 2	−15	+12	−10	+19	0	−0.59
80351	16 24 10.83	+06 56 53.4	5.83	H	246.045 113 52	+06.948 171 46	9.55	4.57	14.72	0.62	0.51	0.73	0.84	0.92	−62	−12	+13	+26	−26	− 7	−27	+42	− 1	−51	0	0.86
80352	16 24 11.31	+07 27 33.9	7.99	G	246.047 121 68	+07.459 424 07	12.53	−0.32	−99.57	0.88	0.76	1.06	1.11	1.23	−70	−33	+33	+26	−25	− 2	−25	+41	− 5	−53	0	1.00
80353	16 24 11.89	−55 49 45.1	10.16	H	246.049 542 74	−55.829 191 48	3.67	−19.75	−23.28	1.48	1.20	1.82	1.75	1.42	+34	− 2	+11	+54	+51	+ 2	+51	+62	− 6	+34	1	0.18
80354	16 24 11.97	−11 53 51.7	7.56	H	246.049 885 53	−11.897 700 83	8.68	−2.16	−33.74	0.96	0.71	1.04	1.09	0.85	−14	−27	−10	+27	− 9	+12	− 2	+43	−22	−17	0	1.09
80355	16 24 12.96	−23 30 00.9	8.83	H	246.053 984 06	−23.500 256 59	13.74	−44.41	−56.30	1.10	0.87	1.23	1.15	1.10	−49	−13	−17	+23	−30	+16	−21	+55	−37	−52	0	−1.10
80356	16 24 13.25	−11 13 06.0	9.87	H	246.055 204 62	−11.218 324 84	8.01	−72.73	−49.93	1.55	1.19	1.72	1.81	1.44	−13	−27	−18	+22	− 2	−16	− 5	+31	+ 4	−30	0	−0.20
80357	16 24 13.35	+17 22 14.8	9.13	H	246.055 631 38	+17.370 767 97	5.79	16.34	−19.36	1.07	0.81	1.26	1.36	1.14	− 5	+ 3	−14	+56	−22	+23	−23	+45	−26	−13	0	2.07
80358	16 24 13.65	−47 35 14.6	9.27	2 H	246.056 868 65	−47.587 375 83	15.53	−81.65	−71.68	1.15	0.77	1.50	1.37	1.11	+19	−32	−32	+ 1	−11	+18	+ 9	+55	−28	−10	0	−0.91
80359	16 24 15.05	−35 41 03.3	9.10	H	246.062 703 16	−35.684 262 29	6.04	−18.53	−41.28	1.10	0.83	1.33	1.24	1.13	−22	−27	−26	+13	−23	+21	− 4	+57	−36	−43	0	0.97
80360	16 24 16.07	+45 56 39.2	7.91	H	246.066 949 73	+45.944 218 43	12.14	−10.31	99.06	0.57	0.59	0.71	0.63	0.64	+10	−13	−14	+17	− 4	+11	− 7	− 3	+15	− 4	1	0.57
80361	16 24 16.27	−55 13 10.3	7.82	H	246.067 777 69	−55.219 526 66	0.59	−2.13	−8.06	0.79	0.62	0.92	0.91	0.75	+19	−11	− 8	+58	+36	− 1	+38	+66	−21	+17	0	−0.95
80362	16 24 16.42	+38 28 41.7	7.71	H	246.068 409 24	+38.478 263 61	1.40	−14.10	9.87	0.56	0.58	0.70	0.64	0.71	+14	+ 3	− 4	−18	−17	−15	−16	+ 6	−15	− 1	0	−0.18
80363	16 24 16.42	−56 03 16.9	7.96	G	246.068 435 97	−56.054 702 81	12.47	−86.44	−4.86	0.96	0.78	1.01	1.24	0.99	+51	−17	− 7	+60	+57	− 2	+58	+68	−24	+28	0	−2.91
80364	16 24 17.45	+55 19 57.9	6.93	H	246.072 690 19	+55.332 760 94	23.51	−3.34	−323.60	0.49	0.54	0.56	0.57	0.64	+12	−14	−12	+ 6	+ 2	+ 8	+ 5	−14	+ 4	+22	4	1.12
80365 H	16 24 18.67	−59 20 38.5	11.18	3 H	246.077 798 70	−59.344 034 86	∗ 0.83	−9.31	−12.71	4.98	6.38	5.29	3.59	4.12	−30	−33	−35	−55	+44	−22	+35	−76	+12	−41	15	1.64
80366	16 24 19.94	−13 38 28.2	8.40	G	246.083 092 61	−13.641 158 65	46.44	−220.32	−205.97	1.13	0.83	1.20	1.19	0.92	−24	−36	+ 5	+19	−19	+ 8	−13	+37	−15	−21	0	0.09
80367	16 24 19.97	−64 03 42.2	8.49	H	246.083 212 42	−64.061 732 69	5.82	−24.03	0.12	0.71	0.81	1.04	0.88	0.98	−14	+ 4	− 2	+28	−13	− 3	−13	+47	+ 0	−10	2	−1.20
80368	16 24 20.38	−77 27 47.8	8.43	H	246.084 927 81	−77.463 276 86	6.59	−12.14	−48.42	0.58	0.70	0.84	0.60	0.76	+ 9	−17	+ 9	− 5	−20	− 7	−19	+12	+ 8	+ 1	0	1.14
80369	16 24 20.74	−15 04 05.5	9.36	H	246.086 422 00	−15.068 198 55	14.45	−107.89	−85.75	1.70	0.89	1.51	1.95	1.23	+24	−23	+ 3	+43	+36	+12	+41	+50	−10	+24	0	1.31
80370	16 24 21.00	+26 26 38.7	9.19	H	246.087 481 11	+26.444 076 95	0.92	15.02	−10.04	0.68	0.92	1.45	0.99	1.12	+23	−15	−12	− 1	+ 1	+ 1	+ 3	+ 5	−12	+15	1	0.88
80371	16 24 21.33	−25 01 31.2	8.34	H	246.088 857 42	−25.025 342 95	6.68	−15.66	−23.63	1.15	0.81	1.20	1.45	1.04	− 5	+ 0	− 7	+36	+ 7	+25	+10	+50	+ 7	− 5	0	0.21
80372	16 24 24.13	+10 15 15.7	6.93	H	246.100 550 52	+10.254 351 01	5.47	4.67	−7.16	0.75	0.61	0.93	0.85	0.76	−30	−32	+ 4	+53	−19	+ 3	−24	+66	+ 5	− 2	0	1.67
80373	16 24 24.44	−00 11 48.0	8.51	H	246.101 831 08	−00.196 678 98	0.68	3.03	−5.77	1.18	1.08	1.29	2.06	2.04	−31	−14	−30	+27	−15	+12	−13	+23	− 8	−73	0	0.72
80374	16 24 25.08	−22 39 17.4	8.01	H	246.104 518 98	−22.654 836 75	13.97	30.19	−16.36	0.97	0.70	1.14	1.12	0.95	−32	− 5	−24	+16	−14	+ 9	−12	+48	−37	−24	0	0.21
80375	16 24 25.33	+55 12 18.2	5.75	H	246.105 528 08	+55.205 045 60	8.90	11.87	20.67	0.44	0.46	0.49	0.50	0.53	+10	−14	− 7	+ 1	− 1	+ 7	+ 1	−14	− 4	+18	4	−0.02
80376	16 24 25.33	−48 23 02.4	9.12	H	246.105 536 73	−48.383 999 03	13.09	−19.35	−45.63	1.47	1.03	1.85	1.84	1.55	+13	−19	−48	+20	−19	+ 5	− 8	+65	−46	− 6	0	0.34
80377	16 24 25.55	−25 42 25.3	9.15	H	246.106 474 74	−25.707 028 73	4.73	−25.22	−33.27	1.19	0.78	1.34	1.25	0.99	−11	−37	−21	+ 4	− 3	− 3	+ 3	+ 0	+28	+ 5	−33	0	−1.08
80378	16 24 26.00	−17 44 42.9	9.66	H	246.108 316 41	−17.745 241 97	7.11	−0.18	−6.38	1.54	1.01	1.59	2.26	1.92	−13	+ 3	+ 3	+31	− 4	−15	+ 8	+59	+26	−29	0	−0.83
80379	16 24 26.40	+52 17 21.7	6.84	H	246.110 020 78	+52.289 366 18	7.59	−4.05	16.33	0.52	0.47	0.54	0.57	0.51	+21	− 9	−11	+17	+23	−28	+22	−17	+17	+28	3	2.13
80380	16 24 26.74	+05 31 57.4	8.57	H	246.111 415 08	+05.532 605 87	6.40	−58.14	46.56	1.03	0.91	1.03	1.38	1.39	−54	−13	− 4	+54	−34	−13	−35	+46	+15	−57	0	0.03
80381	16 24 27.46	−43 39 22.9	9.99	G	246.114 433 41	−43.656 357 28	A 34.65	−222.10	−91.38	5.69	4.08	5.03	5.52	4.67	−34	−20	− 6	+11	−39	−18	−27	+72	−19	−44	12	1.45
80382	16 24 28.12	−84 27 19.7	8.67	H	246.117 150 33	−84.455 472 09	10.45	28.97	−78.28	0.64	0.71	0.84	0.76	0.89	+ 2	− 3	+ 2	+14	− 6	+ 7	− 3	− 6	− 7	+17	1	−0.85
80383	16 24 28.67	−43 39 30.1	11.06	H	246.119 457 60	−43.658 357 46	B 23.23	−103.79	−64.38	37.32	22.94	12.06	23.36	20.75	−26	−18	− 7	− 3	−34	−13	−17	+62	−22	−45	12	1.45
80384	16 24 28.70	−15 46 09.2	10.04	H	246.119 603 89	−15.769 214 01	13.47	−16.54	43.57	1.68	0.93	1.80	2.10	1.43	−29	−21	+ 9	+ 4	+13	+22	+18	+37	−20	−23	0	0.53
80385	16 24 29.98	−30 28 54.5	9.76	H	246.124 897 00	−30.481 809 27	7.66	−43.48	−37.61	1.36	0.88	1.60	1.52	1.20	−22	−27	− 7	+17	+ 1	+10	+13	+34	−38	−22	0	−1.72
80386	16 24 30.32	+07 59 46.1	9.64	G	246.126 328 22	+07.996 149 42	7.28	−122.22	−148.70	1.06	0.84	1.34	1.36	1.31	−56	−30	+19	− 1	− 2	+ 1	− 7	+17	+ 1	−26	0	−2.06
80387	16 24 30.44	−27 09 03.9	7.47	H	246.126 824 08	−27.151 076 20	8.27	−22.41	−29.26	0.92	0.64	1.07	1.23	0.81	−27	− 6	−18	+23	− 4	+23	− 3	+47	−29	−15	0	1.29
80388	16 24 30.53	+32 28 06.0	7.58	H	246.127 201 41	+32.468 332 41	4.28	−11.53	−13.47	0.49	0.56	0.75	0.54	0.65	+ 5	−13	−15	+13	+ 9	−19	+ 3	− 7	+ 5	−13	0	1.48
80389	16 24 31.53	−74 52 04.4	8.45	H	246.131 357 41	−74.867 896 57	1.82	−18.27	−20.50	0.57	0.69	0.87	0.63	0.84	+13	−19	− 9	+ 6	− 9	− 3	− 9	+10	− 6	− 1	0	0.67
80390	16 24 31.77	−37 33 57.5	5.42	H	246.132 355 69	−37.565 970 07	6.97	−14.06	−30.44	0.71	0.53	0.77	0.63	0.62	−41	−36	− 8	+12	−42	− 2	−26	+57	−22	−58	0	1.15
80391	16 24 31.94	−35 10 30.8	7.54	H	246.133 080 62	−35.175 226 81	11.48	49.91	−12.42	0.83	0.66	1.03	0.93	0.92	−35	−21	−25	+10	−30	+29	− 7	+54	−46	−58	0	0.34
80392	16 24 32.97	+17 38 47.4	9.12	1 H	246.137 381 83	+17.646 488 34	2.51	12.27	−1.70	1.14	0.84	1.22	1.37	1.23	−13	+ 7	+ 1	+57	−22	+21	−28	+48	−15	−17	5	2.15
80393	16 24 35.39	+36 01 39.0	8.47	H	246.147 462 72	+36.027 511 84	2.65	−15.37	20.12	0.67	0.73	0.89	0.73	0.84	+ 9	−22	−22	+ 4	+ 0	− 1	+ 1	+13	− 5	− 2	0	0.35
80394	16 24 35.63	−45 51 03.9	7.64	H	246.148 468 33	−45.851 091 47	6.62	28.69	−36.65	0.79	0.58	0.97	0.99	0.86	−14	−16	−20	− 2	−26	− 1	− 3	+56	−16	−51	0	−0.25
80395	16 24 36.32	−65 43 18.3	8.80	2 H	246.151 314 96	−65.721 749 48	2.87	−3.85	−6.01	0.68	0.80	1.21	0.81	0.96	+ 1	−21	−22	−14	− 4	+ 0	− 3	+25	+ 8	−12	2	2.25
80396	16 24 36.97	−09 49 36.0	9.11	H	246.154 035 64	−09.826 673 89	6.66	−6.20	−12.34	1.38	1.13	1.63	1.80	1.55	−32	−15	−20	−10	+ 5	−10	+ 7	+ 1	− 9	−58	0	−0.82
80397	16 24 39.18	−42 13 46.9	9.70	H	246.163 267 74	−42.229 695 25	7.80	−33.88	−46.53	1.23	0.85	1.51	1.32	1.14	−23	−31	−11	+ 8	−11	+11	− 1	+49	−35	−23	0	0.40
80398	16 24 39.47	−02 29 17.0	7.21	G	246.164 451 26	−02.488 058 36	16.30	−31.45	−14.15	1.36	0.87	1.20	1.48	1.02	+ 8	−39	−17	+59	+34	−12	+32	+19	−12	− 5	0	−0.64
80399 H	16 24 39.73	−29 42 16.1	5.40	2

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
80301	10.024	0.023	8.649	0.013		1.164	0.021	T	1.13	0.02	L	8.6924	0.0012	0.015	123		8.66	8.73		C			1							
80302	9.516	0.014	8.215	0.008		1.106	0.013	T	1.07	0.01	L	8.2442	0.0029	0.040	198		8.17	8.32		U 2			1							P
80303	10.422	0.034	9.843	0.031		0.541	0.041	T	0.61	0.04	L	9.8527	0.0032	0.027	99		9.81	9.90					1							
80304	8.750	0.010	8.744	0.013		0.006	0.014	T	0.03	0.01	L	8.7820	0.0019	0.019	135		8.75	8.81					1							
80305	9.477	0.017	7.612	0.008		1.661	0.002	G	1.64	0.00	J	7.5027	0.0009	0.009	97		7.48	7.52					1 S							S
80306	9.646	0.027	8.439	0.017		1.032	0.025	T	1.00	0.02	L	8.4731	0.0026	0.015	40		8.45	8.50		C			1							
80307	8.270	0.034	7.924	0.037	A	0.100	0.495	G	0.28	0.04	L *	7.5974	0.0020	0.012	84	*	7.56	7.61		D	16238−4115	I 1	2 C	A	AB	127	1.818	0.003	0.43	0.01	S
80308	10.241	0.030	9.548	0.025		0.610	0.015	G	0.68	0.01	H	9.6064	0.0025	0.021	92		9.57	9.64		C			1							G
80309	6.962	0.011	5.835	0.011	*	0.956	0.015	G	0.94	0.01	H *	5.8430	0.0008	0.006	102	*	5.83	5.85		D	16238+6142	I 1	2 C	A	AB	352	1.044	0.002	0.95	0.01	S
80310	9.577	0.019	7.907	0.010		1.396	0.017	T	1.37	0.02	L	7.9064	0.0014	0.012	94		7.89	7.93		C			1							S
80311	9.284	0.016	8.940	0.018		0.309	0.002	G	0.35	0.00	H	8.9973	0.0024	0.017	81		8.97	9.02		C			1							
80312	8.741	0.013	8.384	0.013		0.347	0.016	T	0.41	0.02	L	8.4296	0.0016	0.012	76		8.41	8.45		C			1							
80313	11.759	0.096	11.131	0.097		0.584	0.119	T	0.66	0.11	L	11.2149	0.0049	0.050	137		11.12	11.31					1 X							G
80314	8.313	0.008	8.000	0.010		0.282	0.015	G	0.32	0.02	H	8.0641	0.0011	0.012	121		8.05	8.09		C			1							S
80315	10.388	0.046	9.285	0.030		0.905	0.015	G	0.95	0.01	I	9.3990	0.0028	0.018	42		9.37	9.43		C			1							
80316	10.280	0.031	8.228	0.011		1.699	0.026	T	1.72	0.03	L	8.0843	0.0020	0.014	93		8.06	8.10					1							
80317	9.101	0.014	8.550	0.013		0.516	0.017	T	0.59	0.02	L	8.5893	0.0013	0.014	144		8.57	8.61		C			1							S
80318	9.686	0.019	9.069	0.017		0.574	0.022	T	0.65	0.02	L	9.1384	0.0022	0.021	124		9.10	9.19		C			1							
80319	10.017	0.023	9.898	0.030		0.115	0.035	T	0.13	0.04	L	9.9348	0.0022	0.019	118		9.91	9.97		C			1							
80320	10.101	0.030	9.381	0.026		0.648	0.030	T	0.71	0.03	L	9.4165	0.0038	0.024	88		9.35	9.45		U			1							
80321	10.494	0.031	9.228	0.018		1.079	0.028	T	1.04	0.02	L	9.2973	0.0024	0.019	125		9.27	9.34		C			1							
80322	8.866	0.011	7.588	0.007		1.088	0.010	T	1.05	0.01	L	7.6479	0.0009	0.012	151		7.63	7.67		C			1							S
80323	9.046	0.017	8.747	0.019		0.319	0.007	G	0.37	0.01	H	8.8264	0.0017	0.023	98		8.79	8.86					1							
80324	6.431	0.005	6.403	0.006	*	0.013	0.003	G	0.03	0.00	H *	6.4640	0.0010	0.008	91	*	6.45	6.48		D	16239−3312	I 1	2 C	A	AB	153	6.231	0.003	0.48	0.01	S
80325	9.483	0.013	8.921	0.012		0.526	0.016	T	0.60	0.02	L	9.0094	0.0014	0.019	187		8.98	9.04		C			1							S
80326	10.057	0.023	9.428	0.021		0.585	0.027	T	0.66	0.03	L	9.4915	0.0022	0.022	151		9.45	9.54		C			1							
80327	9.285	0.015	8.000	0.009		1.093	0.014	T	1.05	0.01	L	8.0438	0.0013	0.013	120		8.02	8.07		C			1							S
80328	9.948	0.021	8.297	0.010		1.381	0.018	T	1.35	0.02	L	8.2935	0.0015	0.013	109		8.27	8.32					1							
80329	10.669	0.038	9.072	0.017		1.338	0.033	T	1.30	0.04	L	9.0825	0.0029	0.022	117		9.05	9.12					1							
80330	8.338	0.009	8.168	0.010		0.141	0.015	G	0.16	0.01	H	8.2084	0.0017	0.014	130		8.19	8.24		C			1							S
80331	3.892	0.002	2.831	0.002		0.910	0.001	G	0.84	0.03	C	2.8717	0.0005	0.004	102		2.87	2.89		D	16239+6130	I 2	1							S
80332	9.443	0.022	9.015	0.022		0.404	0.029	T	0.47	0.03	L	9.0587	0.0021	0.015	72		9.03	9.10		C			1							
80333	10.771	0.036	9.241	0.016		1.285	0.031	T	1.24	0.03	L	9.2778	0.0023	0.027	169		9.23	9.32					1							
80334	8.795	0.011	7.930	0.009		0.774	0.011	T	0.81	0.01	L	7.9882	0.0014	0.014	133		7.96	8.01		C			1							S
80335	8.147	0.008	7.881	0.008		0.260	0.015	G	0.29	0.02	H	7.9268	0.0013	0.014	156		7.90	7.95					1							S
80336	7.495	0.006	7.203	0.006		0.277	0.009	T	0.31	0.01	L	7.2448	0.0011	0.010	122		7.23	7.26					1							S
80337	6.142	0.003	5.439	0.003		0.625	0.008	G	0.68	0.02	A	5.4994	0.0007	0.007	96		5.49	5.51		M			1							S
80338	10.242	0.033	9.499	0.028		0.748	0.032	G	0.79	0.02	H	9.5588	0.0034	0.023	66		9.53	9.59					1							
80339	10.721	0.051	9.890	0.038		0.732	0.049	T	0.78	0.04	L	10.0296	0.0022	0.021	82		9.99	10.06		C			1							G
80340	8.181	0.012	7.657	0.011		0.548	0.001	G	0.62	0.00	H	7.6984	0.0021	0.013	55		7.68	7.73					1							S
80341	9.178	0.016	8.667	0.015		0.478	0.001	G	0.55	0.00	H	8.7234	0.0025	0.021	88		8.69	8.76		U	16241−3216	I 1	1 S							
80342	8.359	0.007	7.163	0.004		1.024	0.006	T	1.00	0.01	L	7.2167	0.0009	0.011	225		7.20	7.24					1							S
80343	5.791	0.003	4.598	0.003		0.996	0.047	G	0.99	0.02	A	4.6501	0.0005	0.004	77		4.65	4.66		C			1							S
80344	11.007	0.068	10.233	0.054		0.704	0.068	T	0.76	0.06	L	10.3633	0.0048	0.035	54		10.28	10.41		C			1							G
80345	10.641	0.054	8.845	0.021		1.495	0.046	T	1.52	0.07	L	8.8138	0.0025	0.016	49		8.79	8.84		C			1 S							
80346	12.099	0.118	10.382	0.043		1.475	0.015	G	1.92	0.09	I	10.3133	0.0034	0.028	113		10.25	10.36			16258+4821	I 1	1 O							
80347	9.233	0.016	7.817	0.009		1.196	0.014	T	1.16	0.01	L	7.8379	0.0012	0.012	97		7.82	7.86					1							S
80348	9.874	0.022	8.609	0.014		1.010	0.015	G	0.99	0.01	H	8.6738	0.0017	0.018	129		8.64	8.71		C			1							
80349	8.794	0.017	7.807	0.012	*	0.864	0.016	T	0.88	0.01	L *	7.9225	0.0015	0.015	102	*	7.90	7.95		D	16242+3702	I 1	2 C	A	AB	341	8.282	0.004	0.35	0.02	S
80350	9.936	0.023	9.313	0.020		0.580	0.027	T	0.65	0.03	L	9.3615	0.0027	0.025	119		9.32	9.42					1							
80351	5.845	0.002	5.831	0.003		0.018	0.003	T	0.04	0.00	L	5.8467	0.0005	0.004	150		5.84	5.86		C			1							S
80352	8.760	0.009	8.039	0.008		0.637	0.015	G	0.70	0.01	H	8.1166	0.0009	0.011	136		8.10	8.14					1							S
80353	12.238	0.170	10.528	0.055		1.427	0.141	T	1.41	0.22	L	10.3209	0.0031	0.030	168		10.25	10.36					1 S							G
80354	8.073	0.011	7.611	0.010		0.435	0.014	T	0.50	0.01	L	7.6610	0.0014	0.010	59		7.64	7.68		C			1							S
80355	9.489	0.022	8.917	0.021		0.538	0.023	T	0.61	0.02	L	8.9436	0.0022	0.017	87		8.91	8.97		C			1							
80356	10.645	0.048	9.944	0.041		0.630	0.015	G	0.70	0.01	H	10.0066	0.0030	0.029	60		9.96	10.08		C			1							
80357	9.650	0.017	9.173	0.017		0.449	0.022	T	0.52	0.02	L	9.2268	0.0023	0.021	125		9.19	9.26		C			1							S
80358	10.137	0.027	9.318	0.021		0.723	0.026	T	0.77	0.02	L	9.4040	0.0033	0.023	126		9.36	9.45		U 2			1							G
80359	9.572	0.020	9.158	0.021		0.405	0.024	T	0.47	0.03	L	9.1970	0.0015	0.015	85		9.17	9.22		C			1							
80360	8.904	0.012	7.995	0.009		0.807	0.011	T	0.83	0.01	L	8.0635	0.0013	0.012	117		8.05	8.09					1							S
80361	7.826	0.006	7.833	0.008		0.032	0.007	G	0.05	0.01	H	7.8335	0.0008	0.011	167		7.82	7.85					1							S
80362	9.618	0.018	7.843	0.009		1.479	0.016	T	1.50	0.02	L	7.8382	0.0013	0.015	123		7.82	7.87					1							S
80363	8.622	0.009	8.027	0.008		0.583	0.003	G	0.65	0.00	H	8.0693	0.0011	0.013	146		8.05	8.09					1 G							S
80364	7.623	0.007	7.005	0.006		0.575	0.008	T	0.65	0.01	L	7.0529	0.0008	0.007	107		7.04	7.07		C			1							S
80365											T *	11.3527	0.1477	0.981	83	*	10.35	12.98		U 2 C	16243−5921	H 1	2 C	C	AB	202	0.297	0.030	0.55	0.17	D P
80366	9.604	0.022	8.460	0.015		0.950	0.015	G	1.04	0.01	A	8.5234	0.0024	0.018	67		8.50	8.56		C	16243−1338	I 1	1							
80367	9.631	0.019	8.598	0.014		0.899	0.018	T	0.90	0.01	L	8.6543	0.0018	0.018	135		8.61	8.68		C			1							
80368	8.967	0.010	8.479	0.010		0.471	0.011	T	0.54	0.01	L	8.5367	0.0014	0.016	162		8.51	8.56		C			1							
80369	10.241	0.033	9.460	0.027		0.694	0.032	T	0.75	0.03	L	9.4964	0.0023	0.022	87		9.45	9.53		C			1							
80370	10.594	0.025	9.284	0.014		1.113	0.022	T	1.08	0.02	L	9.3539	0.0019	0.022	195		9.32	9.41		C			1							
80371	9.050	0.017	8.467	0.016		0.545	0.021	T	0.62	0.02	L	8.4612	0.0026	0.016	66		8.44	8.48			16244−2501	I 1	1							
80372	8.981	0.013	7.099	0.006		1.564	0.011	T	1.58	0.01	L	7.0499	0.0008	0.007	107		7.04	7.07		C			1							S
80373	10.650	0.055	8.712	0.020		1.608	0.047	T	1.63	0.05	L	8.6220	0.0025	0.013	41		8.60	8.65		C			1							
80374	8.591	0.011	8.071	0.010		0.498	0.015	G	0.57	0.02	H	8.1198	0.0014	0.013	86		8.10	8.15		C			1							S
80375	5.742	0.003	5.747	0.003		0.001	0.003	G	0.01	0.00	L	5.7539	0.0008	0.005	107		5.74	5.76		C			1							S
80376	10.229	0.026	9.223	0.018		0.879	0.024	T	0.89	0.02	L	9.2820	0.0031	0.017	102		9.26	9.32					1							
80377	9.671	0.021	9.203	0.022		0.463	0.022	G	0.53	0.02	H	9.2505	0.0020	0.013	70		9.23	9.28					1							
80378	10.338	0.035	9.727	0.034		0.567	0.036	T	0.64	0.03	L	9.7815	0.0033	0.022	86		9.74	9.81		C			1							
80379	6.853	0.004	6.842	0.005		0.015	0.006	T	0.03	0.01	L	6.8540	0.0008	0.008	118		6.84	6.87		C			1							S
80380	9.066	0.021	8.628	0.022		0.413	0.028	T	0.48	0.03	L	8.6626	0.0018	0.019	79		8.63	8.70					1							S
80381	11.809	0.129	10.165	0.047	A	1.239	0.005	G	1.40	0.01	I	10.0872	0.0211	0.088	88	A	9.98	10.25		D	16245−4339	I 2	1 C P A							G
80382	9.456	0.017	8.731	0.015		0.651	0.017	T	0.71	0.01	L	8.8056	0.0020	0.015	117		8.77	8.83					1							
80383	12.217	0.223	11.073	0.131	B	0.983	0.202	T	0.96	0.16	L	11.4866	0.0595			B				D	16245−4339	I 2	1 C I A							
80384	10.941	0.052	10.101	0.038		0.739	0.049	T	0.79	0.04	L	10.1805	0.0022	0.023	101		10.14	10.22		C			1							G
80385	10.539	0.050	9.859	0.042		0.617	0.049	T	0.69	0.04	L	9.8849	0.0019	0.019	93		9.85	9.93		C			1							G
80386	10.362	0.029	9.640	0.025		0.581	0.020	G	0.65	0.02	H	9.7731	0.0015	0.016	115		9.74	9.80					1							
80387	7.666	0.008	7.488	0.008		0.171	0.011	T	0.19	0.01	L	7.5311	0.0012	0.009	79		7.51	7.55					1							S P
80388	9.341	0.014	7.723	0.007		1.355	0.012	T	1.32	0.01	L	7.7306	0.0011	0.013	172		7.71	7.76		C			1							S
80389	9.660	0.015	8.565	0.011		0.946	0.014	T	0.94	0.01	L	8.6141	0.0015	0.020	168		8.58	8.65		C			1							
80390	5.292	0.003	5.397	0.004		−0.104	0.003	G	−0.09	0.00	H	5.3909	0.0008	0.006	91		5.38	5.41			16245−3734	I 1	1							S
80391	8.106	0.009	7.583	0.008		0.500	0.009	T	0.57	0.01	L	7.6538	0.0012	0.011	93		7.63	7.67					1							S
80392	9.382	0.016	9.181	0.018		0.192	0.023	T	0.21	0.03	L	9.1855	0.0030	0.027	111		9.14	9.23		U			1							S
80393	9.795	0.019	8.592	0.012		1.029	0.018	T	1.00	0.01	L	8.6344	0.0018	0.020	133		8.60	8.67					1							
80394	9.221	0.012	7.791	0.007		1.207	0.011	T	1.17	0.01	L	7.8010	0.0011	0.011	126		7.79	7.82					1							
80395	8.665	0.010	8.779	0.014		−0.091	0.005	G	−0.07	0.01	H	8.7722	0.0054	0.051	137		8.70	8.84	1.86	P 1 A			1							
80396	9.681	0.029	9.187	0.029		0.465	0.037	T	0.54	0.04	L	9.2160	0.0031	0.022	45		9.18	9.25		C			1							
80397	10.486	0.033	9.710	0.026		0.690	0.032	T	0.75	0.03	L	9.8337	0.0023	0.022	108		9.80	9.87		C			1							G
80398	7.702	0.011	7.274	0.011		0.430	0.015	G	0.50	0.02	H	7.3110	0.0020	0.009	41		7.30	7.32		C			1							S
80399						0.625	0.126	G	0.69	0.11	R *	5.5335	0.0008	0.012	95	*	5.52	5.60		U 2	16247−2942	I 1	2 C	A	AB	357	4.660	0.002	0.76	0.01	S
80400	9.138	0.015	8.429	0.013		0.622	0.015	G	0.69	0.01	H	8.5046	0.0020	0.015	93		8.48	8.53		C			1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)												Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$		F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr		%												
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
80401	16 24 40.57	−45 10 49.8	7.57	H	246.169 053 17	−45.180 486 36		3.44	−3.03	−8.98	0.84	0.72	1.00	1.05	0.98	−35	− 9	−36	+23	−37	+15	−21	+68	−32	−58		0	−1.00
80402	16 24 41.22	−06 32 30.0	11.15	3 H	246.171 737 78	−06.541 663 66		0.08	−11.35	5.48	2.68	1.85	2.47	3.67	2.36	−20	+ 2	−10	+55	− 6	+24	− 2	+44	+ 6	− 4		0	2.35
80403	16 24 41.38	−17 33 38.7	8.60	H	246.172 436 07	−17.560 758 70		9.16	−27.54	−45.85	1.44	0.87	1.26	2.07	1.72	+ 9	+11	− 1	+52	+ 8	− 1	+23	+68	+20	− 9		0	−0.94
80404	16 24 41.70	+14 44 40.3	8.45	H	246.173 750 79	+14.744 521 69		5.15	−23.47	−15.92	0.84	0.63	1.17	1.01	1.08	+ 3	−39	−13	+29	−23	− 6	−18	+61	−21	− 9		0	1.85
80405	16 24 43.72	−34 53 37.4	7.01	2 H	246.182 169 93	−34.893 713 45		1.69	− 1.69	−18.46	0.77	0.60	0.95	0.85	0.81	−35	−24	−21	+ 1	−22	+21	− 4	+43	−44	−52		0	0.48
80406	16 24 45.23	+22 22 58.7	7.59	H	246.188 474 49	+22.382 984 29		7.13	−25.02	−2.91	0.56	0.60	0.91	0.63	0.70	+ 9	−23	− 1	−14	−13	+12	−13	+11	− 2	+11		1	0.76
80407	16 24 45.29	−38 11 23.1	9.72	H	246.188 712 05	−38.189 745 83		3.39	8.39	−32.12	1.52	0.96	1.81	1.67	1.20	−12	−19	−25	+ 0	− 5	−27	+ 3	+53	−11	−33		2	1.69
80408	16 24 45.38	−53 27 51.3	9.02	1 G	246.189 065 68	−53.464 240 79	A	−0.11	− 9.50	−15.05	1.63	1.29	1.93	1.78	1.48	+14	−15	−20	+ 2	− 2	− 1	+ 2	+44	−27	+ 9		1	0.61
80409	16 24 45.67	+27 45 14.8	8.57	H	246.190 272 65	+27.754 101 80		6.47	− 5.30	0.40	0.56	0.76	1.03	0.64	0.96	+19	−17	−13	−21	− 1	+11	+ 4	+10	−15	+13		0	−0.77
80410	16 24 45.75	−72 35 08.7	7.80	H	246.190 635 50	−72.585 749 66		0.94	5.41	− 1.82	0.50	0.66	0.87	0.57	0.87	+21	− 7	+13	− 1	+ 0	−17	+ 4	+ 3	−26	+28		1	−0.09
80411	16 24 46.42	+43 07 56.3	9.97	H	246.193 424 77	+43.132 303 47		1.00	1.88	−18.29	0.89	0.91	1.08	0.99	1.06	− 1	+ 3	− 1	+ 1	+11	− 3	+12	+ 3	+ 5	− 6		1	−0.52
80412	16 24 47.06	−53 34 55.5	7.67	H	246.196 096 49	−53.582 078 22		1.13	− 3.60	− 6.18	0.82	0.62	0.99	1.00	0.81	+ 2	−12	−16	+ 3	−17	− 6	−12	+45	−15	−13		0	−1.79
80413	16 24 47.88	+08 39 31.0	8.37	H	246.199 496 37	+08.658 606 77		5.69	5.54	37.97	0.90	0.70	1.23	1.08	0.94	−48	−25	+14	+43	−30	+ 9	−41	+62	+ 8	− 8		0	−1.74
80414	16 24 48.07	+44 41 23.7	7.17	H	246.200 273 83	+44.689 929 20		13.23	7.74	6.57	0.51	0.52	0.61	0.64	0.63	− 6	− 4	− 4	− 1	+ 9	−16	+ 8	+ 2	+ 5	−31		0	−0.17
80415	16 24 48.25	−57 00 22.2	7.69	H	246.201 040 66	−57.006 167 64		2.85	−35.74	−42.01	0.72	0.60	0.92	0.84	0.73	+23	−13	− 4	+45	+37	− 6	+37	+53	−11	+30		0	−0.16
80416	16 24 48.65	−36 05 02.9	9.26	H	246.202 702 09	−36.084 150 80		4.81	−13.63	−15.02	1.17	0.89	1.32	1.37	1.19	−28	−16	−13	+21	−18	+25	− 8	+59	−27	−39		0	1.76
80417 H	16 24 49.57	+39 25 19.7	8.88	H	246.206 549 53	+39.422 125 47	A	6.21	− 7.36	34.77	2.68	2.25	1.63	1.58	1.53	+21	−18	−14	− 5	+ 4	+20	+ 7	+ 6	+ 3	+21		1	0.71
80418	16 24 50.42	−40 35 22.9	9.26	G	246.210 076 67	−40.589 703 55		2.98	− 0.98	− 2.47	1.32	0.87	1.59	1.64	1.35	−18	−24	−15	− 1	− 8	−13	+10	+50	−26	−38		0	1.20
80419	16 24 52.79	+41 31 05.6	9.03	H	246.219 948 34	+41.518 227 76		1.95	− 7.68	− 2.99	0.78	0.83	0.98	1.04	1.02	+17	−19	−28	+16	+19	− 4	+15	+ 8	+13	+26		0	0.47
80420	16 24 53.49	+26 26 56.4	9.84	H	246.222 865 71	+26.449 001 89		3.71	− 9.87	23.91	0.89	1.18	1.81	1.29	1.42	+25	−18	−15	+ 2	+ 2	+ 4	+ 4	+13	− 5	+12		2	1.25
80421	16 24 54.14	−45 20 58.1	6.32	H	246.225 571 37	−45.349 461 69		10.92	21.40	−15.18	0.74	0.63	0.96	0.90	0.86	−19	−27	−45	+16	−43	+20	−12	+68	−35	−64		0	−1.51
80422	16 24 54.31	−38 26 55.8	8.49	G	246.226 286 47	−38.448 843 55		10.86	− 9.17	−50.62	1.12	0.71	1.37	1.23	0.93	−24	−23	−26	−10	− 6	−24	+ 5	+46	−12	−48		0	0.66
80423	16 24 56.52	−51 25 44.5	9.32	G	246.235 488 59	−51.429 032 24		13.97	−170.43	31.55	0.99	0.81	1.30	1.22	1.00	− 2	−13	−19	+12	− 2	+ 7	− 1	+35	−13	+ 2		2	2.00
80424	16 24 56.92	−46 01 44.4	10.08	H	246.237 146 37	−46.028 986 26		15.08	−45.94	−36.36	1.62	1.07	2.11	1.92	1.50	+ 5	− 9	−18	+ 6	+ 1	+ 3	+14	+57	−27	−14		3	0.35
80425 H	16 24 59.15	−25 21 17.8	8.60	G	246.246 473 12	−25.354 935 73	A	6.36	− 9.03	−24.64	1.96	1.42	1.97	1.91	1.64	−16	−26	−13	+13	−18	− 5	−12	+47	+21	−39		3	−0.75
80426	16 24 59.84	+50 27 07.3	7.79	H	246.249 334 55	+50.452 018 70		3.67	−19.93	16.65	0.65	0.58	0.68	0.77	0.66	+12	+ 1	− 2	−31	− 4	−20	− 8	+ 1	−13	+24		0	−1.33
80427	16 25 00.26	+51 42 59.6	7.35	H	246.251 097 86	+51.716 563 83		8.63	0.00	19.55	0.52	0.50	0.56	0.54	0.54	+15	− 1	− 5	− 5	− 3	+10	− 2	+ 6	− 2	+ 7		0	−2.07
80428	16 25 00.56	−41 34 33.9	9.47	H	246.252 338 77	−41.576 075 39		6.57	−69.66	−37.19	1.38	1.07	1.54	1.85	1.52	−24	−14	+ 8	+27	− 1	+13	− 6	+66	− 4	−12		0	0.47
80429	16 25 01.37	+60 18 13.1	8.36	H	246.255 691 20	+60.303 641 44		5.20	4.47	28.50	0.60	0.61	0.64	0.69	0.68	+12	−11	−11	− 7	+10	− 1	+ 7	+14	+ 5	+23		0	−1.83
80430	16 25 02.13	−50 44 54.5	7.89	G	246.258 880 88	−50.748 469 27		2.52	− 4.38	− 7.56	0.80	0.56	1.04	0.93	0.71	+ 9	−27	−15	+ 7	+ 6	+ 5	+ 8	+32	−15	+15		0	1.33
80431	16 25 03.47	−36 08 38.7	7.98	H	246.264 446 44	−36.144 078 12		5.05	−12.54	−33.19	1.04	0.72	1.12	1.37	0.98	−12	− 1	− 9	+40	+ 4	+23	+ 3	+62	−27	− 5		3	1.62
80432	16 25 05.01	+29 15 04.0	8.91	3 H	246.270 865 35	+29.251 120 86		0.33	−24.03	− 8.65	0.67	0.91	1.21	0.79	1.24	+11	+ 3	−19	+19	+ 2	+ 7	+ 5	+30	+ 2	+ 1		0	−0.21
80433	16 25 05.47	+53 07 35.4	8.36	H	246.272 804 52	+53.126 496 92		0.91	0.93	32.09	0.69	0.57	0.68	0.71	0.64	+ 3	+ 7	+ 0	+11	+ 9	− 1	+ 9	+ 8	−17	+10		0	−0.32
80434	16 25 06.46	+31 44 28.4	8.83	H	246.276 920 00	+31.741 230 80		3.42	2.32	−10.80	0.75	0.82	1.20	0.83	1.02	+ 5	−23	− 5	+ 8	+ 3	−19	+ 1	+ 1	+ 3	−13		1	0.97
80435	16 25 06.75	+24 03 23.7	7.76	1 H	246.278 107 42	+24.056 579 67		2.21	7.27	− 2.72	0.40	0.57	0.82	0.49	0.74	+ 4	− 4	− 1	+ 4	− 6	+ 0	− 6	+ 5	−17	+ 6		2	−0.16
80436	16 25 07.07	−50 55 27.2	8.19	H	246.279 476 53	−50.924 208 72		1.99	11.66	−22.53	0.93	0.65	1.18	1.06	0.81	+ 5	−23	−16	−11	− 3	+ 4	− 2	+31	−16	+10		2	−0.15
80437	16 25 08.05	−70 57 37.5	9.68	H	246.283 535 58	−70.960 428 68		1.99	− 4.16	− 4.31	0.67	1.04	1.33	0.79	1.31	+12	−20	+11	+ 2	+ 2	+ 6	− 1	+ 7	+ 7	+30		0	2.92
80438	16 25 09.63	−65 02 02.0	8.20	H	246.290 145 46	−65.033 875 07		6.21	−25.98	−43.13	0.64	0.68	1.10	0.66	0.79	− 4	−14	+ 0	−38	−25	− 1	−27	+ 4	+12	− 9		1	−0.41
80439	16 25 10.86	+40 43 54.3	11.31	H	246.295 232 88	+40.731 753 70		6.03	−238.15	−30.30	1.63	1.85	2.03	2.48	2.21	− 6	− 9	−29	−15	−14	+19	−11	+ 1	− 3	+ 2		4	1.63
80440	16 25 13.37	−21 56 11.5	10.40	G	246.305 688 12	−21.936 541 38		55.81	−574.06	−341.08	1.91	1.23	2.19	2.87	1.82	−22	+ 5	−19	+ 8	+20	−20	+ 7	+39	−23	+14		0	0.37
80441	16 25 14.18	+46 52 05.8	9.24	H	246.309 103 60	+46.868 275 88		11.14	− 9.27	122.91	0.83	0.74	0.94	0.91	0.81	− 7	+14	−16	−18	+19	−28	+17	−24	+20	−23		0	1.05
80442 H	16 25 15.01	−09 51 53.2	8.38	2 H	246.312 529 85	−09.864 778 15	A	7.36	− 4.31	−19.84	2.36	1.80	2.62	2.60	1.92	−31	−28	−26	− 2	+25	−32	+23	− 5	+ 2	−38		1	0.35
80443	16 25 15.17	−44 22 03.0	10.31	H	246.313 196 21	−44.367 499 12		1.61	− 5.70	− 5.94	1.64	1.23	1.92	2.26	1.59	−20	− 1	+ 5	+34	+ 6	+31	− 2	+65	− 7	− 5		4	0.53
80444	16 25 15.84	+19 14 23.3	7.00	2 H	246.315 992 22	+19.239 814 17		1.63	10.41	−32.72	0.63	0.53	0.85	0.64	0.66	+26	−32	−14	+15	+22	− 3	+26	+ 7	− 8	+28		0	0.55
80445	16 25 16.25	−50 44 44.8	8.29	H	246.317 697 57	−50.745 788 25		3.82	− 0.78	−15.23	0.90	0.63	1.15	1.08	0.80	+12	−34	−24	+17	+ 3	−11	+ 2	+35	−10	+13		0	−0.72
80446	16 25 16.57	−27 43 16.6	8.79	H	246.319 037 40	−27.721 287 88		3.48	−24.85	− 7.72	1.05	0.78	1.24	1.32	0.97	−29	− 9	−28	+19	−21	+26	−14	+53	−34	−29		0	1.06
80447	16 25 16.77	−16 11 26.6	9.19	H	246.319 885 84	−16.190 710 32		6.01	− 2.00	−32.05	1.29	0.69	1.40	1.69	1.11	−38	−29	+ 4	−12	+18	− 3	+19	+33	−32	−18		0	0.23
80448 H	16 25 17.67	−49 08 51.5	7.33	1 H	246.323 641 41	−49.147 643 48	A	22.04	−91.95	−91.50	2.75	2.29	2.82	3.05	2.59	+16	−28	−39	+42	− 1	+ 4	+ 7	+78	−26	+12		11	2.14
80449 H	16 25 19.01	−13 10 45.8	8.95	H	246.329 218 91	−13.179 389 82	A	6.83	0.92	− 6.76	1.81	1.60	1.69	2.02	1.63	−37	− 6	−29	+16	−16	+33	− 5	+33	−31	−41		2	−0.12
∗80450	16 25 19.22	+01 13 07.6	8.70	H	246.330 092 32	+01.218 765 88		4.28	28.76	−11.41	1.54	1.21	1.37	1.67	1.49	−43	−19	+13	+61	−27	+11	−26	+59	+ 1	−42		0	−1.21
∗80451	16 25 19.22	+45 22 42.8	7.75	H	246.330 090 49	+45.378 551 51		6.47	−60.97	21.00	0.55	0.59	0.69	0.59	0.61	− 5	− 9	+ 7	+ 4	− 3	−12	− 3	−13	+ 0	−15		0	0.70
80452	16 25 20.39	+67 04 20.5	7.18	H	246.334 942 05	+67.072 361 62		5.74	0.05	12.32	0.52	0.54	0.56	0.59	0.66	+ 0	− 8	−14	+ 5	− 5	+ 1	− 2	+23	−17	−16		0	−0.09
80453	16 25 20.59	+65 33 33.1	9.60	H	246.335 784 36	+65.559 204 41		4.28	− 4.82	53.83	0.82	0.88	0.87	0.79	1.03	+23	−27	− 5	+ 8	+22	−12	+21	+34	+ 5	+22		0	0.28
80454	16 25 21.23	−68 19 08.8	9.92	G	246.338 467 35	−68.319 115 13		17.47	−133.64	−239.15	0.80	1.16	1.59	0.99	1.37	+ 6	−17	− 4	− 6	+ 2	−26	− 4	+ 7	+31	− 6		0	−0.06
80455	16 25 22.15	−63 07 30.9	6.14	H	246.342 295 61	−63.125 238 06		7.61	−19.16	8.72	0.49	0.52	0.68	0.66	0.66	−14	− 7	−18	+24	−15	+21	− 9	+56	−21	−22		0	−0.25
80456	16 25 22.92	−47 31 42.4	7.74	H	246.345 497 94	−47.528 433 08		12.68	−44.96	−103.58	0.86	0.58	1.13	1.01	0.84	+ 7	−34	−19	+ 2	−11	+13	+ 4	+50	−26	−12		0	0.46
80457	16 25 23.18	+42 31 12.5	7.78	H	246.346 595 19	+42.520 126 23		7.25	18.37	−45.15	0.57	0.54	0.67	0.58	0.62	+ 7	−18	−16	+ 7	+14	−12	+11	+ 2	+11	+ 9		0	0.96
80458	16 25 24.11	−21 41 18.5	9.18	H	246.350 467 35	−21.688 475 41		9.80	− 6.03	−22.38	1.48	0.97	1.70	1.78	1.40	−22	−14	+ 0	+ 8	−14	−31	−19	+48	−22	− 2		0	−0.07
∗80459	16 25 24.19	+54 18 16.3	10.13	G	246.350 796 02	+54.304 517 81		151.93	432.29	−170.71	1.02	1.03	1.11	1.32	1.21	+ 5	+ 2	− 8	− 1	+ 6	− 1	+ 5	+11	− 3	+ 9		0	−0.47
∗80460	16 25 24.17	+37 23 38.7	5.53	H	246.350 690 83	+37.394 078 72		12.73	2.63	0.18	0.46	0.48	0.57	0.59	0.58	+ 8	+ 9	− 3	−20	− 5	+ 5	− 7	− 2	−12	+11		0	−1.21
80461 H	16 25 24.29	−23 27 36.6	6.75	H	246.351 197 80	−23.460 169 53	D	7.33	− 8.60	−20.76	2.19	1.38	1.37	1.35	1.19	−40	−14	− 4	+11	−20	−10	− 5	+39	−20	−65		1	−0.41
80462	16 25 24.32	−24 27 56.3	7.88	H	246.351 325 80	−24.465 651 40		7.36	− 2.25	−25.46	1.14	0.83	1.19	1.35	1.00	−18	− 8	−31	+49	−18	+28	− 7	+64	−29	−27		0	−0.57
80463	16 25 24.93	+14 02 00.3	4.57	1 H	246.353 873 24	+14.033 415 14		13.87	39.39	−59.89	0.69	0.60	0.94	0.82	0.79	− 4	−42	+ 2	+28	−30	−20	−16	+36	−26	+10		0	1.12
80464	16 25 26.75	−19 50 14.0	9.01	H	246.361 444 90	−19.837 209 18		5.96	−11.50	−30.99	1.18	0.89	1.21	1.52	1.23	−28	− 6	−16	+40	−24	+16	−19	+67	−19	−34		0	0.04
80465 H	16 25 26.92	+17 18 11.2	7.98	G	246.362 159 63	+17.303 110 09	A	9.81	−33.33	−74.94	1.16	0.83	1.17	1.36	1.16	+ 7	+ 6	+ 6	+45	− 8	+ 8	−18	+50	−10	+ 8		0	0.27
80466	16 25 28.35	+73 31 15.4	8.54	H	246.368 143 39	+73.520 931 16		2.53	− 0.31	−10.78	0.58	0.60	0.63	0.54	0.65	+ 8	−24	+ 0	− 5	+ 7	−12	+ 8	+25	− 5	+ 9		0	−0.02
80467	16 25 29.19	+71 23 04.8	7.09	1 H	246.371 621 77	+71.384 655 37		29.64	20.76	−31.86	0.52	0.53	0.55	0.55	0.58	+ 3	− 2	− 3	−27	− 6	−17	− 9	+13	− 7	+ 8		0	1.42
80468	16 25 29.26	+43 43 47.9	11.87	H	246.371 918 11	+43.729 969 89		39.35	−100.09	119.86	15.29	15.96	18.40	18.57	20.51	+ 1	+ 4	− 4	− 2	− 1	+12	− 1	− 4	+ 0	− 8		0		
80469	16 25 32.04	+51 08 18.7	7.23	H	246.383 485 41	+51.138 525 47		8.43	− 45.08	−22.14	0.52	0.51	0.56	0.56	0.58	+14	− 6	− 8	− 1	− 7	+ 6	− 5	+11	− 9	+ 2		0	0.05
80470	16 25 33.21	−03 51 59.6	8.03	G	246.388 379 63	−03.866 554 03		6.89	−10.67	1.24	0.98	0.79	1.07	1.11	1.01	−13	−22	−21	+24	+19	− 8	+16	+10	+11	−35		0	−0.23
80471	16 25 33.37	+25 13 20.2	8.44	H	246.389 021 05	+25.222 290 57		3.91	19.64	−18.55	0.53	0.72	1.10	0.56	0.79	+11	− 1	− 2	−27	+15	− 4	+10	−13	− 1	+44		0	−0.42
80472	16 25 34.96	−16 05 05.8	9.21	H	246.395 645 96	−16.084 934 65		10.19	−26.94	− 0.81	1.25	0.78	1.36	1.70	1.20	−29	−29	− 3	− 2	+ 1	−11	+ 1	+38	−14	−19		0	0.40
∗80473 H	16 25 35.12	−23 26 49.6	4.57	G	246.396 338 11	−23.447 117 64	A	8.27	− 5.61	−25.04	1.31	0.93	1.18	1.05	0.93	−38	−21	− 5	+ 7	− 3	− 6	+ 6	+37	−26	−42		4	0.84
∗80474	16 25 35.09	−23 24 18.5	7.27	1 G	246.396 196 09	−23.405 147 16		7.76	− 8.65	−26.92	0.87	0.71	0.96	0.95	0.87	−39	−17	−17	+ 9	−16	− 1	− 9	+39	−18	−51		0	0.55
80475	16 25 36.58	−32 04 35.8	7.40	H	246.402 400 32	−32.076 621 86		13.10	−25.08	−45.19	0.86	0.55	0.97	0.95	0.69	−15	−26	−11	− 1	+ 2	+ 5	+12	+37	−26	−27		0	2.37
80476	16 25 37.93	+24 33 26.4	8.88	H	246.408 042 65	+24.557 326 39		4.58	−36.97	− 9.66	0.43	0.72	1.11	0.50	0.81	+ 8	+ 5	− 7	+ 0	+18	− 3	+19	− 5	+ 5	+36		2	−0.81
80477	16 25 38.21	−10 05 02.8	8.09	H	246.409 219 77	−10.084 108 69		5.38	− 9.11	1.90	1.12	0.94	1.37	1.47	1.09	−24	−17	−43	+ 8	+29	−22	+20	− 7	+11	−43		0	−0.25
80478	16 25 39.14	−29 24 01.5	7.66	2 G	246.413 102 57	−29.400 412 09		2.52	− 7.58	−14.20	0.86	0.59	0.96	0.92	0.73	−24	−18	+ 2	+ 2	− 6	− 9	+ 1	+36	−15	−31		0	−1.17
80479	16 25 40.69	+09 22 14.3	6.73	H	246.419 553 37	+09.370 643 61		6.74	37.04	−18.04	0.81	0.69	0.93	0.92	0.84	−60	−29	+25	+64	−46	− 5	−55	+77	+14	−27		0	0.64
80480	16 25 43.53	+78 57 49.0	5.55	H	246.431 368 16	+78.963 600 53		23.61	−113.04	104.23	0.44	0.50	0.52	0.46	0.59	+ 3	−11	−25	−21	+ 4	−14	+ 4	+ 3	− 9	− 9		2	−0.28
80481	16 25 43.57	+08 41 47.6	8.90	H	246.431 522 93	+08.696 546 76		5.68	9.85	23.05	1.07	0.89	1.38	1.26	1.16	−65	−23	+22	+51	−43	+ 7	−59	+74	+14	−22		0	−0.63
80482	16 25 44.24	−55 13 24.4	8.29	H	246.434 342 12	−55.223 451 74		1.56	− 8.97	−15.36	0.99	0.73	1.15	1.10	0.91	+36	−19	−12	+64	+47	−10	+51	+72	−29	+33		0	−1.18
80483	16 25 44.44	−66 41 27.1	9.13	H	246.435 145 86	−66.690 857 66		4.50	− 2.69	− 3.44	0.73	0.81	1.26	0.79	0.94	+18	−27	−23	−23	+ 8	+ 7	+16	+ 7	+ 3	−10		1	2.06
80484	16 25 44.59	+11 55 08.6	8.23	G	246.435 777 30	+11.919 062 58		13.39	−89.93	1.67	0.91	0.82	1.19	1.07	1.12	−32	−14	−24	+49	−36	+ 4	−31	+66	−34	−32		0	2.55
80485	16 25 44.87	+50 17 24.6	8.37	H	246.436 942 71	+50.290 178 48		5.26	4.35	−45.61	0.68	0.64	0.73	0.82	0.79	+ 9	−18	− 3	+ 2	+13	− 1	+ 9	+16	+ 1	+28		0	0.01
80486	16 25 45.17	−33 34 01.4	7.96	H	246.438 198 80	−33.567 067 50		10.17	−17.52	−22.15	1.10	0.66	1.24	1.43	0.95	− 9	−24	+ 1	+19	+14	− 1	+15	+51	−29	+ 6		0	1.08
80487	16 25 46.60	+28 46 16.4	9.62	H	246.444 155 37	+28.771 216 40		1.45	− 7.64	− 8.97	0.93	1.17	1.67	0.94	1.52	+ 9	+ 9	−22	+22	+ 6	+ 5	+ 9	+28	− 1	+ 3		3	0.92
80488	16 25 47.48	+18 53 33.0	8.31	3 T	246.447 840 21	+18.892 486 89		1.64	−16.84	− 9.83	0.94	0.70	1.31	0.82	0.92	− 4	−62	+ 4	− 5	+21	− 1	+33	−23	−20	+14		0	2.24
80489	16 25 48.43	+30 15 55.2	9.01	H	246.451 804 43	+30.265 327 47		12.03	−26.88	−82.33	0.71	0.85	1.18	0.75	1.01	+13	+ 2	− 7	+18	+21	− 3	+21	+ 8	+30	+12		0	0.66
80490 H	16 25 48.60	−29 55 06.9	7.61	H	246.452 484 30	−29.918 587 95	A	11.17	32.97	76.98	1.46	1.00	1.47	1.51	1.19	− 5	−16	+13	+15	− 1	−23	+10	+50	+ 1	+15		2	0.51
80491	16 25 49.24	−27 49 08.9	9.19	H	246.455 170 93	−27.819 147 46		17.51	−78.21	−29.96	1.16	0.81	1.36	1.47	1.00	−31	− 4	−18	+22	− 9	+28	− 6	+44	−29	−22		0	0.54
∗80492	16 25 50.78	+05 42 07.1	8.49	H	246.461 599 49	+05.701 980 85		1.97	31.63	−26.22	2.41	2.22	1.53	5.64	5.18	−75	−12	−16	+75	−67	+31	−56	+81	−36	−73		0	0.15
∗80493	16 25 50.67	−26 34 06.2	8.08	G	246.461 113 31	−26.568 381 18		6.46	−11.74	−18.05	0.94	0.63	1.01	1.02	0.79	−13	−26	− 6	+14	− 2	− 5	+ 3	+40	− 4	−27		0	−1.35
∗80494	16 25 50.72	−06 05 42.0	9.16	H	246.461 320 69	−06.095 002 79		1.65	8.69	1.14	1.33	0.94	1.41	1.51	1.08	−18	−36	+ 8	+26	+13	+ 9	+12	+20	− 1	− 9		0	0.34
80495	16 25 52.24	−14 01 27.6	9.48	H	246.467 679 73	−14.024 329 96		10.36	−11.49	−22.89	1.63	0.89	1.84	1.62	1.27	−39	−53	+14	+10	− 6	+11	+ 9	+42	−35	−24		2	1.20
80496	16 25 53.56	−46 57 02.3	8.86	H	246.473 162 23	−46.950 642 89		0.16	− 4.01	− 0.33	1.15	0.74	1.40	1.48	1.10	+22	−27	− 9	+16	+14

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
80401	7.709	0.006	7.586	0.008		0.119	0.009	T	0.13	0.01	L	7.6119	0.0011	0.010	105		7.59	7.63					1							S
80402											T	11.2529	0.0589	0.305	37		10.71	11.57	0.40	P 1 A			1 S							D
80403	9.227	0.017	8.678	0.016		0.520	0.017	T	0.59	0.02	L	8.7086	0.0018	0.014	83		8.68	8.73		C			1							
80404	8.794	0.009	8.482	0.010		0.296	0.013	T	0.34	0.02	L	8.5241	0.0017	0.017	165		8.49	8.55					1							S
80405	7.188	0.012	7.058	0.013		0.118	0.016	T	0.13	0.02	L	7.0530	0.0037	0.151	84		7.03	7.44	1.73	P 1 A			1							S
80406	7.834	0.006	7.612	0.007		0.212	0.009	T	0.23	0.01	L	7.6578	0.0013	0.011	128		7.64	7.67					1							S
80407	10.431	0.038	9.784	0.034		0.593	0.038	T	0.66	0.04	L	9.8430	0.0027	0.017	84		9.81	9.89					1							G
80408	9.099	0.014	9.081	0.019	A	0.088	0.008	G	0.10	0.01	H	9.0922	0.0078	0.029	115	A	9.05	9.15		U	16248−5328	H 1	2 C	A	AB	226	10.438	0.034	2.96	0.12	
80409	8.977	0.011	8.600	0.011		0.357	0.014	T	0.42	0.01	L	8.6580	0.0015	0.017	172		8.63	8.69		C			1							S
80410	9.508	0.014	7.958	0.007		1.301	0.012	T	1.26	0.01	L	7.9580	0.0012	0.015	177		7.93	7.99					1							
80411	11.495	0.065	10.054	0.030		1.216	0.056	T	1.18	0.06	L	10.1346	0.0026	0.022	135		10.09	10.19		C			1							
80412	8.802	0.011	7.780	0.008		0.891	0.010	T	0.90	0.01	L	7.8278	0.0016	0.012	115		7.81	7.85		C			1							
80413	9.107	0.013	8.440	0.011		0.618	0.014	T	0.69	0.01	L	8.5022	0.0012	0.011	131		8.48	8.53		C			1							S
80414	7.737	0.007	7.228	0.007		0.478	0.009	T	0.55	0.01	L	7.2795	0.0010	0.011	123		7.26	7.30					1 G							S
80415	9.933	0.025	7.905	0.010		1.680	0.021	T	1.70	0.02	L	7.7951	0.0013	0.014	136		7.77	7.82					1							S
80416	10.191	0.030	9.323	0.024		0.760	0.030	T	0.80	0.02	L	9.4010	0.0021	0.017	79		9.37	9.42		C			1							
80417	9.566	0.018	8.954	0.016	*	0.570	0.021	T	0.64	0.02	L	* 8.9992	0.0025	0.021	133	*	8.97	9.04		D	16248+3925	I 1	2 C	B	AB	243	0.442	0.023	2.49	0.12	
80418	10.019	0.029	9.302	0.025		0.670	0.015	G	0.73	0.01	H	9.4150	0.0016	0.016	98		9.39	9.44		C			1							G
80419	9.565	0.018	9.081	0.017		0.456	0.023	T	0.53	0.02	L	9.1309	0.0016	0.019	123		9.09	9.18		D			1							S
80420	10.870	0.035	9.939	0.025		0.823	0.032	T	0.85	0.02	L	9.9951	0.0028	0.038	191		9.93	10.05					1							
80421	6.563	0.003	6.353	0.005		0.187	0.003	G	0.21	0.00	H	6.3869	0.0008	0.007	110		6.37	6.40			16249−4521	I 1	1							S
80422	8.983	0.013	8.571	0.014		0.445	0.015	G	0.51	0.02	H	8.5958	0.0017	0.013	88		8.57	8.62					1							
80423	10.136	0.025	9.466	0.023		0.615	0.002	G	0.68	0.00	H	9.4518	0.0021	0.022	120		9.41	9.48		C			1							G
80424	10.957	0.046	10.162	0.037		0.705	0.045	T	0.76	0.04	L	10.2139	0.0026	0.029	118		10.16	10.27					1							G
80425	9.089	0.019	8.669	0.019	*	0.421	0.025	G	0.49	0.03	H	* 8.7034	0.0028	0.015	64	*	8.67	8.73		C	16250−2521	H 1	2 C	B	AB	150	0.669	0.048	3.59	0.20	
80426	9.120	0.014	7.915	0.009		1.031	0.013	T	1.00	0.01	L	7.9599	0.0013	0.010	107		7.94	7.98		C			1							S
80427	7.620	0.006	7.370	0.007		0.238	0.009	T	0.27	0.01	L	7.4155	0.0009	0.009	121		7.40	7.43		C			1							S
80428	10.139	0.024	9.510	0.022		0.580	0.024	T	0.65	0.02	L	9.5954	0.0031	0.025	110		9.54	9.63					1							G
80429	8.660	0.010	8.396	0.011		0.238	0.015	G	0.27	0.02	H	8.4321	0.0018	0.016	116		8.41	8.47					1							S
80430	7.933	0.007	7.885	0.011		0.054	0.016	G	0.07	0.01	H	7.9235	0.0015	0.012	107		7.91	7.94		C			1							S
80431	8.487	0.011	8.032	0.011		0.429	0.014	T	0.50	0.01	L	8.0724	0.0012	0.010	76		8.05	8.09					1							S
80432	10.739	0.039	9.176	0.017		1.334	0.035	T	3.18	0.08	O	8.7694	0.0237	0.275	149		8.32	9.13		U 2			1 S							P
80433	9.904	0.020	8.478	0.011		1.204	0.018	T	1.16	0.02	L	8.5230	0.0013	0.016	125		8.49	8.56					1							
80434	10.422	0.029	8.963	0.015		1.230	0.026	T	1.19	0.03	L	8.9920	0.0018	0.023	139		8.95	9.04					1							
80435	9.872	0.018	7.934	0.008		1.600	0.020	G	1.61	0.09	H	7.8778	0.0011	0.015	198		7.85	7.90		M			1							S P
80436	10.093	0.034	8.342	0.015		1.460	0.029	T	1.47	0.05	L	8.3189	0.0022	0.020	113		8.28	8.34					1							
80437	9.815	0.017	9.710	0.023		0.095	0.026	T	0.11	0.03	L	9.7188	0.0027	0.030	185		9.67	9.77			16251−7058	I 1	1							G
80438	9.423	0.014	8.295	0.010		0.971	0.013	T	0.96	0.01	L	8.3645	0.0014	0.015	169		8.34	8.39		C	16252−6502	I 1	1							
80439	12.037	0.128	11.230	0.102		0.730	0.125	T	0.78	0.09	L	11.4527	0.0052	0.052	125		11.35	11.54					1 G							G
80440						1.444	0.018	G	1.78	0.00	A	10.4614	0.0036	0.028	65		10.42	10.52		C			1							G
80441	9.907	0.024	9.295	0.021		0.540	0.015	G	0.61	0.02	H	9.3559	0.0022	0.018	104		9.32	9.39		C			1 S							
80442	9.006	0.023	8.512	0.022	A	0.400	0.495	G	0.45	0.05	L	* 8.4690	0.0066	0.038	43	*	8.42	8.51	0.60	P 1 A	16253−0952	I 1	2 C	A	AB	345	1.101	0.015	1.57	0.04	
80443	10.587	0.039	10.218	0.043		0.350	0.054	T	0.41	0.07	L	10.4075	0.0038	0.029	92		10.35	10.45					1							G
80444	9.170	0.012	7.213	0.005		1.623	0.010	T	1.64	0.01	L	7.1079	0.0020	0.019	128		7.06	7.14		U 2			1							S
80445	8.344	0.009	8.293	0.011		0.060	0.010	G	0.07	0.01	H	8.3107	0.0014	0.013	110		8.29	8.33		C			1							
80446	10.948	0.054	8.991	0.019		1.623	0.046	T	1.64	0.05	L	8.9076	0.0018	0.016	91		8.88	8.94		C			1							
80447	9.881	0.021	9.281	0.019		0.560	0.025	T	0.63	0.02	L	9.3143	0.0018	0.014	114		9.29	9.33		C			1							
80448						0.300	0.495	G	0.69	0.02	L	* 7.4631	0.0017	0.014	112	*	7.44	7.49		U 2	16253−4909	I 1	2 C	A	AS	108	2.071	0.006	0.22	0.01	S
80449	10.706	0.051	9.098	0.023	A	1.331	0.232	G	1.53	0.07	B	* 9.0723	0.0018	0.014	55	*	9.05	9.10		R	16253−1311	I 1	2 C	D	AB	172	3.885	0.055	3.42	0.26	D
80450	9.897	0.038	8.810	0.026		0.940	0.035	T	0.93	0.03	L	8.8662	0.0033	0.014	31		8.84	8.89					1							
80451	8.838	0.011	7.855	0.008		0.850	0.015	G	0.86	0.01	H	7.9033	0.0012	0.013	124		7.88	7.93					1							S
80452	8.580	0.010	7.306	0.006		1.085	0.009	T	1.05	0.01	L	7.3529	0.0012	0.011	112		7.34	7.38					1							S
80453	9.960	0.028	9.577	0.031		0.363	0.039	T	0.42	0.04	L	9.6904	0.0027	0.019	109		9.65	9.73					1							
80454	11.038	0.038	10.014	0.025		0.863	0.003	G	0.91	0.00	H	10.0803	0.0026	0.035	177		10.02	10.14					1							G
80455	6.177	0.003	6.137	0.003		0.029	0.001	G	0.05	0.00	H	6.1561	0.0006	0.006	121		6.14	6.17					1							S
80456	8.280	0.009	7.788	0.008		0.488	0.015	G	0.56	0.02	H	7.8471	0.0014	0.013	148		7.82	7.87					1							S
80457	8.036	0.007	7.794	0.008		0.216	0.015	G	0.24	0.02	H	7.8469	0.0014	0.014	140		7.83	7.87					1							S
80458	9.749	0.024	9.215	0.023		0.473	0.020	G	0.54	0.02	H	9.2829	0.0024	0.015	61		9.26	9.32		C			1							
80459	12.217	0.162	10.259	0.044		1.591	0.027	G	2.58	0.06	I	10.1488	0.0031	0.027	102		10.11	10.19		C			1							
80460	5.744	0.003	5.554	0.003		0.174	0.004	T	0.19	0.01	L	5.5906	0.0008	0.006	118		5.58	5.60					1 G							S
80461	7.085	0.006	6.804	0.006	*	0.266	0.008	T	0.30	0.01	L	* 6.8183	0.0013	0.009	82	*	6.80	6.83		D	16255−2327	I 3	2 C	A	DE	318	0.351	0.009	1.61	0.04	S
80462	8.868	0.015	8.022	0.012		0.759	0.015	T	0.80	0.01	L	8.0271	0.0022	0.012	74		8.01	8.05					1							S
80463	4.591	0.002	4.575	0.002		0.002	0.005	G	0.02	0.03	C	4.5821	0.0011	0.011	143		4.57	4.60	3.04	P 1 A	16254+1402	I 1	1 G							S P
80464	9.568	0.027	9.088	0.027		0.464	0.030	T	0.53	0.03	L	9.1169	0.0017	0.013	69		9.10	9.14		C			1							
80465	8.694	0.010	8.040	0.009	A	0.619	0.015	G	0.69	0.01	H	* 8.0547	0.0018	0.016	118	*	8.03	8.09		D	16254+1718	I 1	2 C	A	AB	85	9.931	0.027	3.34	0.09	S
80466	9.746	0.017	8.636	0.012		0.957	0.016	T	0.94	0.01	L	8.7024	0.0014	0.018	132		8.67	8.73		C			1							
80467	7.820	0.009	7.172	0.005		0.624	0.015	G	0.69	0.01	H	7.2239	0.0012	0.013	110		7.20	7.25		M			1							S
80468											T	12.0033	0.0072	0.070	118		11.86	12.10					1 X S							G Y
80469	7.651	0.006	7.275	0.006		0.356	0.008	T	0.42	0.01	L	7.3188	0.0008	0.010	126		7.30	7.33					1							S
80470	8.607	0.014	8.072	0.014		0.533	0.015	G	0.61	0.02	H	8.1372	0.0021	0.011	55		8.12	8.15		C			1							S
80471	9.798	0.013	8.552	0.008		1.063	0.012	T	1.03	0.01	L	8.6079	0.0016	0.020	246		8.58	8.65					1							
80472	9.860	0.020	9.286	0.019		0.540	0.020	T	0.61	0.02	L	9.3294	0.0019	0.016	116		9.29	9.36		C			1							
80473	5.212	0.009	5.002	0.010	A	0.227	0.022	G	0.25	0.03	H	* 4.6152	0.0006	0.005	79	*	4.60	4.63		D	16255−2327	I 3	2 C	A	AB	339	3.074	0.003	0.65	0.01	S
80474	7.565	0.009	7.295	0.009		0.320	0.015	G	0.37	0.02	H	7.3067	0.0034	0.022	80		7.27	7.33		U	16255−2327	I 3	1							S
80475	7.875	0.008	7.447	0.008		0.425	0.003	G	0.49	0.00	H	7.4967	0.0011	0.011	90		7.48	7.51		C			1							S
80476	9.362	0.010	8.920	0.010		0.417	0.013	T	0.48	0.01	L	8.9791	0.0013	0.020	276		8.94	9.01		C			1							S
80477	8.142	0.015	8.120	0.019		0.025	0.022	T	0.04	0.02	L	8.1094	0.0028	0.015	41		8.09	8.16					1							S
80478	7.886	0.008	7.707	0.009		0.204	0.005	G	0.22	0.01	H	7.7149	0.0036	0.023	96		7.68	7.76	4.34	P 1 A	16257−2924	I 1	1							S
80479	8.599	0.009	6.880	0.005		1.435	0.008	T	1.43	0.01	L	6.8670	0.0010	0.008	134		6.86	6.88					1							S
80480	5.851	0.003	5.586	0.003		0.249	0.004	T	0.28	0.01	L	5.6246	0.0006	0.005	99		5.62	5.64		C			1							S
80481	9.222	0.013	8.944	0.014		0.264	0.018	T	0.30	0.02	L	8.9779	0.0013	0.013	135		8.96	9.00		C			1							
80482	10.156	0.022	8.415	0.009		1.452	0.019	T	1.45	0.03	L	8.4264	0.0015	0.014	173		8.40	8.45					1							
80483	9.179	0.011	9.114	0.014		0.065	0.017	T	0.07	0.02	L	9.1516	0.0021	0.023	175		9.12	9.19		C			1							
80484	8.914	0.013	8.267	0.011		0.589	0.015	G	0.66	0.01	H	8.3516	0.0014	0.019	113		8.32	8.38					1							S
80485	9.678	0.019	8.488	0.012		1.019	0.018	T	0.99	0.01	L	8.5376	0.0015	0.015	112		8.51	8.57		C			1							S
80486	8.666	0.012	8.044	0.010		0.575	0.012	T	0.65	0.01	L	8.0847	0.0011	0.011	88		8.06	8.11		C	16258−3334	I 1	1							S
80487	10.949	0.039	9.740	0.022		1.034	0.035	T	1.01	0.03	L	9.7827	0.0036	0.033	153		9.74	9.85					1							
80488	9.695	0.023	8.429	0.013		1.079	0.021	T	1.04	0.02	L	8.2186	0.2369	1.472	131		6.30	10.12	418.00	P 1 B			1 S							G P
80489	9.914	0.020	9.079	0.016		0.751	0.019	T	0.79	0.01	L	9.1544	0.0021	0.026	151		9.11	9.20		R			1							
80490	8.635	0.011	7.745	0.009	*	0.792	0.010	T	0.82	0.01	L	* 7.7593	0.0011	0.011	98	*	7.74	7.78		D	16258−2955	I 1	2 C	A	AB	190	0.765	0.003	1.41	0.02	
80491	10.118	0.032	9.286	0.024		0.733	0.031	T	0.78	0.02	L	9.3291	0.0030	0.022	85		9.29	9.37					1							
80492	8.999	0.020	8.566	0.020		0.450	0.015	G	0.52	0.02	H	8.5926	0.0021	0.020	60		8.56	8.65			16258+0542	I 1	1 G							S
80493	8.346	0.010	8.123	0.011		0.246	0.005	G	0.28	0.01	H	8.1395	0.0023	0.014	82		8.12	8.17					1 S							S
80494	10.749	0.065	9.371	0.033		1.166	0.057	T	1.13	0.05	L	9.3232	0.0033	0.017	42		9.30	9.37					1							
80495	10.113	0.030	9.554	0.028		0.528	0.030	T	0.60	0.03	L	9.5923	0.0026	0.019	99		9.56	9.62					1							
80496	8.948	0.011	8.848	0.014		0.090	0.016	T	0.10	0.02	L	8.9008	0.0017	0.017	120		8.87	8.93					1							
80497	9.410	0.019	8.966	0.019		0.468	0.015	G	0.54	0.02	H	9.0086	0.0016	0.014	90		8.99	9.05					1							
80498	10.261	0.039	9.068	0.023		1.022	0.035	T	1.00	0.03	L	9.0209	0.0025	0.022	145		8.98	9.06					1 G							
80499	10.831	0.050	9.106	0.019		1.439	0.042	T	1.43	0.07	L	9.0546	0.0024	0.018	102		9.02	9.09					1							
80500	9.504	0.012	9.650	0.019		−0.127	0.020	T	−0.12	0.03	L	9.6285	0.0026	0.033	206		9.57	9.69					1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)																						Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	$\alpha*$	$\alpha*$	δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr																			%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28										29	30
80501	16 25 58.27	−62 25 16.1	8.32	H	246.492 794 87	−62.421 135 70		1.66	10.15	18.91	0.72	0.78	1.09	0.98	1.07	−17	−18	−22	+18	−31	+14	−14	+61	−34	−39										0	−0.45
80502	16 25 59.24	−01 05 28.4	10.30	G	246.496 843 19	−01.091 220 23		11.48	2.70	−169.60	2.26	1.99	2.92	3.54	2.98	+22	−50	−62	+ 6	−24	+ 3	−16	+35	− 2	−37										0	0.86
80503	16 25 59.58	+78 27 49.8	8.90	2 H	246.498 258 09	+78.463 827 35		−0.90	6.81	−9.02	0.69	0.76	0.79	0.77	0.97	+ 2	−24	−26	−23	+ 0	+13	+ 4	−11	− 4	+ 0										0	−1.06
80504 H	16 26 01.72	−31 14 09.1	8.34	H	246.507 165 36	−31.235 868 97	A	12.29	105.20	−114.36	5.10	3.44	3.75	5.03	3.67	−18	−19	−15	+ 7	+11	+ 7	+22	+36	−35	−31										1	2.77
80505 H	16 26 02.30	−14 07 22.2	9.84	G	246.509 597 53	−14.122 821 99	A	18.86	−30.27	−31.68	7.82	5.54	7.70	7.81	7.04	−36	−44	+12	+22	− 6	+ 8	+11	+40	−35	−30										3	2.29
80506 H	16 26 04.14	+35 24 09.4	10.71	H	246.517 253 95	+35.402 604 72	A	6.43	−0.12	18.47	3.34	2.60	2.59	2.21	2.43	+18	+ 6	− 1	+10	+21	+ 3	+19	+17	+15	+12										0	0.56
80507	16 26 04.58	−81 09 38.4	9.63	H	246.519 100 33	−81.160 663 38		2.66	0.49	−10.65	0.85	0.84	1.07	0.90	0.98	+10	−30	+ 1	+ 4	−10	− 9	−14	+ 6	+10	+13										0	−0.98
80508	16 26 05.54	+52 18 08.2	9.75	H	246.523 098 64	+52.302 268 23		0.74	−3.17	−1.48	0.98	0.85	0.98	1.08	0.99	+15	− 2	+ 4	−15	+ 6	− 5	+ 7	+ 0	− 5	+17										1	−0.90
80509	16 26 05.75	−06 56 44.3	9.50	G	246.523 946 40	−06.945 643 74		6.40	−2.31	15.26	1.61	1.01	1.71	1.68	1.16	+ 0	−51	−18	+27	− 5	+ 6	+ 6	+37	−19	− 7										0	−0.77
80510 H	16 26 07.75	−54 09 18.4	8.48	H	246.532 271 54	−54.155 098 68	A	0.78	−9.11	−5.32	1.89	1.47	2.29	1.96	1.71	+15	− 7	−15	+27	+15	− 5	+17	+50	−34	+ 0										2	−0.50
80511 H	16 26 08.75	−34 58 59.7	8.16	G	246.536 459 75	−34.983 239 72	A	8.61	−54.35	−104.44	2.24	1.52	2.27	2.17	1.95	−23	−14	− 5	− 8	+ 0	+20	+ 8	+23	−39	−44										1	0.18
80512	16 26 09.38	+07 16 12.4	10.03	G	246.539 084 24	+07.270 107 12		17.20	−147.35	−122.47	1.19	0.94	1.56	1.37	1.38	−51	−21	+25	+23	− 6	+ 4	− 4	+26	− 1	−21										0	−0.29
80513	16 26 09.96	+14 17 44.1	8.41	H	246.541 506 54	+14.295 587 12		5.54	−22.50	−3.35	0.80	0.64	1.14	1.01	0.97	+10	−29	−12	+30	−14	−10	− 9	+56	−23	+ 3										1	2.35
80514	16 26 11.41	+11 24 26.9	6.11	H	246.547 560 86	+11.407 461 23		9.11	−48.05	13.02	0.70	0.54	0.83	0.85	0.75	−24	−22	− 6	+52	−22	+11	−20	+62	−10	−19										0	0.77
80515	16 26 11.70	+32 04 54.3	8.71	H	246.548 738 07	+32.081 758 74		8.30	−130.23	30.60	0.68	0.73	1.00	0.72	0.89	+ 5	− 8	− 9	+16	+11	−12	+ 9	− 2	− 5	− 7										0	0.76
80516	16 26 12.30	−08 12 07.1	8.50	H	246.551 262 57	−08.201 964 17		1.10	−5.29	−0.66	1.26	0.87	1.34	1.24	1.03	+ 2	−42	−27	+ 9	+24	−11	+21	− 2	+ 0	−35										0	−0.38
80517	16 26 12.60	+08 30 46.9	7.05	H	246.552 492 97	+08.513 017 44		4.60	−79.35	−80.03	0.73	0.57	0.93	0.86	0.76	−53	−30	+22	+47	−31	− 6	−44	+67	+ 9	− 6										0	−0.32
80518	16 26 13.29	−34 56 44.6	8.95	H	246.555 374 15	−34.945 731 75		−0.46	14.43	10.80	1.19	0.81	1.40	1.28	1.11	−31	−29	−15	− 5	−13	+22	+ 7	+40	−35	−53										0	1.51
80519	16 26 16.25	−04 40 33.2	9.29	H	246.567 702 65	−04.675 889 61		3.78	−2.46	14.00	1.20	0.94	1.30	1.48	1.20	− 7	−16	−28	+21	+30	− 4	+25	−10	+17	−27										0	1.19
80520 H	16 26 16.67	−78 33 54.9	8.97	H	246.569 463 14	−78.565 236 85	A	3.03	11.11	−20.68	1.18	1.36	1.48	1.24	1.55	+ 8	−15	− 4	− 2	+ 4	+ 5	+ 3	−11	+ 9	+11										1	−0.54
80521	16 26 17.31	+10 29 14.3	8.53	H	246.572 117 87	+10.487 305 35		−1.06	−17.25	−24.96	0.98	0.75	1.27	1.14	0.99	−17	−26	+ 6	+50	− 4	+13	−11	+61	+12	+12										4	0.42
80522	16 26 17.47	+02 10 48.9	10.07	G	246.572 785 85	+02.180 257 31		17.86	59.32	−487.29	1.84	1.37	1.91	2.06	1.86	−11	−36	− 9	+30	+ 4	− 4	+ 8	+28	− 6	−25										0	0.10
80523	16 26 17.89	+23 03 52.9	7.88	2 H	246.574 552 58	+23.064 685 33		1.93	5.00	−4.95	0.68	0.63	0.98	0.72	0.76	+25	−24	− 7	−41	−19	+ 9	−18	+ 1	− 6	+23										0	−0.58
80524	16 26 18.61	−11 29 10.3	8.49	H	246.577 554 47	−11.486 192 60		5.15	−19.45	1.72	1.34	0.98	1.63	1.84	1.21	+ 3	−26	−42	+29	+16	−25	+ 1	+13	+16	−30										0	1.07
80525	16 26 19.73	−45 47 29.0	7.50	H	246.582 200 82	−45.791 380 94		0.50	−1.70	−4.26	0.92	0.68	1.14	1.09	0.90	−15	−24	−33	− 3	−27	− 3	− 8	+66	−28	−42										0	−0.13
80526	16 26 20.57	−54 26 44.3	9.51	H	246.585 720 00	−54.445 635 95		2.37	−8.16	5.08	1.17	0.99	1.63	1.45	1.31	+ 4	− 5	−26	+47	+ 9	− 2	+15	+69	−37	−12										0	−1.86
80527	16 26 21.21	+02 30 28.1	6.66	H	246.588 368 10	+02.507 799 17		8.81	−21.54	16.44	0.81	0.63	0.84	1.01	0.86	−21	−34	−10	+19	−12	+ 3	−11	+25	+ 0	−32										0	−0.17
80528	16 26 21.47	+40 48 34.6	6.90	H	246.589 448 04	+40.809 617 60		5.75	22.01	−54.23	0.55	0.53	0.65	0.59	0.64	+ 0	− 7	−19	−24	+ 1	+ 0	+ 2	+ 5	+ 4	− 8										0	−1.06
80529	16 26 22.66	−53 25 56.4	7.94	2 H	246.594 398 81	−53.432 336 11		0.33	−1.85	−11.10	0.86	0.65	1.10	1.04	0.86	+ 3	−16	−17	−10	−18	−10	−10	+46	−17	−13										2	−0.82
80530	16 26 23.64	+64 27 44.1	10.29	H	246.598 509 44	+64.462 259 01		2.01	−2.81	28.26	0.98	1.09	1.13	0.99	1.31	+ 9	− 5	−26	−23	− 2	−13	− 3	+ 1	+ 0	− 9										0	0.81
80531	16 26 23.92	−56 53 04.2	7.83	2 H	246.599 663 22	−56.884 504 44		1.10	−3.54	−2.48	0.69	0.58	0.94	0.76	0.73	+16	−29	− 7	+40	+26	−17	+31	+59	−21	+18										0	−1.78
80532	16 26 25.08	+15 05 39.6	7.29	H	246.604 506 32	+15.094 326 57		6.95	−54.24	5.00	0.66	0.55	1.00	0.91	0.85	+ 8	−30	−29	+22	−13	− 7	− 2	+46	−34	− 9										0	0.30
80533	16 26 26.10	−72 00 50.8	8.21	H	246.608 747 49	−72.014 110 35		2.85	−10.37	−8.81	0.54	0.73	0.99	0.73	0.95	+31	− 1	+18	− 5	−10	−28	− 4	+ 2	−24	+51										2	−1.40
80534	16 26 29.71	−21 47 40.3	9.92	G	246.623 810 84	−21.794 523 09		5.22	2.11	−6.75	1.76	1.23	1.76	2.38	1.87	−18	−15	− 2	+31	−11	−11	−15	+63	− 1	− 9										0	−1.26
80535	16 26 29.92	−27 41 20.0	8.63	1 H	246.624 664 53	−27.688 897 64		8.25	−12.05	−25.81	1.07	0.72	1.21	1.34	0.94	−24	−21	−10	+23	− 9	+23	− 3	+48	−25	−22										0	1.58
80536	16 26 30.29	+18 24 37.0	8.34	H	246.626 199 54	+18.410 278 21		6.29	−40.41	38.15	0.79	0.66	1.02	0.82	0.80	+14	−31	− 5	+32	+ 7	+ 5	+10	+22	−11	+14										0	2.58
80537	16 26 31.65	−12 36 16.8	10.07	G	246.631 887 63	−12.604 673 71		5.36	−22.85	−20.00	1.72	1.04	1.71	2.02	1.54	−19	−16	+ 5	+22	+10	+14	+18	+38	− 7	−20										2	0.04
80538	16 26 32.08	+47 57 26.3	6.51	H	246.633 677 62	+47.957 303 16		14.01	−74.20	126.42	0.46	0.45	0.53	0.51	0.48	− 3	+ 5	− 2	−12	+11	− 2	+10	−10	+ 1	− 6										0	−1.58
80539	16 26 33.48	+15 39 51.5	10.53	H	246.639 488 99	+15.664 310 30		38.00	8.39	264.74	2.74	1.96	3.37	3.72	2.83	+10	−30	−12	+29	− 2	−15	+ 0	+33	−13	+20										4	
∗80540 H	16 26 38.25	−52 04 54.6	9.88	2 H	246.659 360 56	−52.081 830 17	A	−0.49	−12.06	−21.04	9.52	6.12	7.59	6.85	5.57	+36	− 8	−12	+ 0	− 3	+14	− 2	+18	−15	+ 5										8	1.99
∗80541	16 26 38.20	+37 45 53.6	8.68	2 H	246.659 145 85	+37.764 897 39		0.38	2.08	0.60	0.68	0.75	0.87	0.83	0.92	+19	+ 1	− 1	− 2	−12	− 9	−11	+19	−17	+14										1	−1.08
80542 H	16 26 39.11	+05 20 02.4	7.82	H	246.662 973 48	+05.334 000 10	A	6.61	23.40	−0.56	1.46	1.39	1.30	1.50	1.42	− 1	−48	−19	+32	− 6	−16	− 8	+38	+ 0	− 5										0	−0.01
80543	16 26 39.21	+15 58 21.5	6.70	H	246.663 354 27	+15.972 646 06		12.52	1.16	−3.36	0.71	0.53	0.82	1.01	0.76	+26	−13	−19	+36	+ 3	− 2	+ 6	+42	−25	+26										0	1.45
80544	16 26 40.58	−19 07 55.8	9.54	H	246.669 089 39	−19.132 175 87		8.46	−76.22	−47.54	1.47	0.96	1.49	2.08	1.69	− 2	+ 2	− 4	+34	+ 3	−12	+20	+53	+25	−40										0	1.29
80545	16 26 40.99	−59 46 08.9	8.48	2 H	246.670 774 23	−59.769 127 30		2.20	0.49	−6.91	0.67	0.67	1.01	0.81	0.84	+17	−15	−16	+33	+25	− 8	+26	+46	− 8	+15										0	0.46
80546	16 26 41.20	+09 16 22.5	6.66	H	246.671 659 91	+09.272 926 43		4.44	0.41	−16.32	0.71	0.55	0.90	0.89	0.71	−48	−27	+21	+51	−35	− 4	−40	+62	+ 5	− 6										0	−0.67
80547	16 26 41.35	+33 50 42.1	9.72	2 H	246.672 301 46	+33.845 022 67		1.61	−20.25	−36.27	1.44	1.74	2.21	1.54	2.14	+ 3	− 4	−24	− 2	+ 5	− 3	+ 6	+ 2	+ 0	−15										2	
80548	16 26 43.30	+10 59 26.2	6.68	2 H	246.680 399 10	+10.990 624 53		2.79	−32.06	−36.21	0.73	0.50	0.84	0.81	0.69	− 6	−31	+ 0	+55	+ 2	+ 8	+ 2	+55	+ 4	+ 4										0	1.75
80549	16 26 43.45	+40 54 50.6	9.07	H	246.681 036 05	+40.914 055 47		5.86	32.04	−14.48	0.77	0.77	0.94	0.82	0.97	+ 0	+ 2	−10	−22	+ 2	− 7	+ 5	+ 3	+21	−10										0	−1.35
80550 H	16 26 43.71	−12 25 35.9	8.61	3 H	246.682 114 13	−12.426 630 56	∗	3.65	−2.71	6.08	1.18	0.77	1.23	1.58	1.15	−23	−26	− 7	+21	+ 1	−13	+ 2	+37	− 6	−22										0	1.89
80551	16 26 45.15	+27 45 37.3	9.78	H	246.688 114 66	+27.760 373 29		1.25	4.68	−5.67	0.83	1.21	1.67	0.97	1.45	+19	−23	−31	−12	− 7	+19	+ 6	+26	−19	− 1										1	0.55
80552	16 26 46.59	−33 04 23.1	9.16	H	246.694 133 03	−33.073 070 72		2.26	−4.59	−4.18	1.27	0.75	1.61	1.82	1.02	−20	−17	−29	− 7	+34	−29	+26	+28	−38	+ 2										0	0.36
80553	16 26 46.85	+12 03 20.4	8.63	H	246.695 190 94	+12.055 679 90		9.66	−21.59	−6.24	0.97	0.81	1.24	1.16	1.26	−29	−22	−12	+53	−34	+ 0	−31	+70	−20	−31										0	−0.08
80554	16 26 49.04	−71 46 05.5	7.27	H	246.704 348 18	−71.768 206 53		8.04	10.71	−17.51	0.46	0.61	0.82	0.49	0.69	+23	−14	+20	− 6	−10	−23	− 4	+ 3	−13	+31										1	0.72
80555	16 26 49.49	+16 10 18.5	7.39	H	246.706 195 74	+16.171 795 67		4.38	9.03	−20.03	0.80	0.59	0.89	1.21	0.84	+31	−12	− 6	+45	+17	+ 3	+19	+42	− 9	+41										0	−0.39
80556	16 26 49.53	−31 13 51.8	9.27	H	246.706 395 82	−31.231 042 29		9.24	−47.10	24.28	1.28	0.78	1.51	1.50	1.06	−13	−40	−26	+ 8	− 5	+15	+13	+49	−35	−29										0	2.41
80557 H	16 26 49.85	−48 02 39.5	7.20	2 H	246.707 700 53	−48.044 293 58	A	5.26	−7.25	−12.18	1.34	0.91	1.52	1.42	1.13	+35	−17	−19	− 3	+ 8	+ 2	+10	+58	−33	+11										3	0.73
80558	16 26 50.06	+02 20 52.7	6.06	H	246.708 594 35	+02.347 983 73		6.99	20.93	−16.42	0.85	0.64	0.88	0.99	0.85	−14	−38	−11	+24	− 5	− 2	− 1	+29	− 7	−28										0	0.56
80559	16 26 50.28	−49 36 21.6	10.69	H	246.709 516 82	−49.605 986 36		36.14	155.03	−71.43	2.13	1.54	2.09	2.99	2.31	+38	−13	−24	+57	+33	+ 0	+34	+73	−26	+43										0	−1.23
80560	16 26 50.64	−13 50 54.7	9.21	H	246.710 989 28	−13.848 517 97		5.17	−9.50	−15.09	1.50	0.98	1.72	1.73	1.53	−47	−29	−12	+23	−31	+32	−13	+65	−46	−51										0	0.43
80561	16 26 51.02	+85 37 01.1	8.63	H	246.712 585 05	+85.616 980 70		11.40	27.06	36.37	0.62	0.77	0.75	0.67	0.94	+ 9	− 7	−20	+ 2	+ 4	+ 5	+ 8	+43	−21	+ 3										0	−0.30
80562	16 26 55.82	−50 21 59.4	8.41	H	246.732 578 27	−50.366 513 30		1.95	−13.21	−21.55	1.00	0.71	1.21	1.21	0.99	+13	−33	− 7	+25	+ 6	+ 4	+ 6	+59	− 9	+15										3	−2.56
80563	16 26 56.74	−43 47 57.1	7.91	1 H	246.736 428 48	−43.799 202 68		1.23	−0.81	−2.03	0.87	0.59	1.03	0.92	0.76	−16	−36	− 9	+10	−15	+11	− 3	+59	−26	−23										0	0.99
80564	16 26 56.96	+37 14 20.0	9.66	H	246.737 349 76	+37.238 891 23		1.85	0.78	−0.20	0.88	0.98	1.17	1.08	1.17	+ 7	− 8	−13	+ 1	− 3	+12	+ 1	+24	− 8	− 3										1	0.50
80565	16 26 57.13	−27 08 19.7	9.46	H	246.738 028 92	−27.138 799 03		3.98	−11.28	−12.58	1.23	0.84	1.34	1.64	1.13	−18	−13	− 2	+12	+ 6	+ 4	+ 4	+41	− 5	−11										5	0.57
80566	16 26 57.70	+58 14 37.5	8.26	H	246.740 422 85	+58.243 756 58		2.78	−1.62	3.26	0.73	0.62	0.73	0.80	0.71	+ 1	−22	−22	+13	− 4	+10	+ 0	+12	− 7	− 1										3	0.87
80567	16 27 00.82	−82 33 35.5	6.80	H	246.753 400 36	−82.559 862 39		6.05	−12.63	−18.70	0.45	0.46	0.56	0.47	0.50	− 7	−21	+ 6	−10	−10	−11	−10	− 9	+ 2	−15										0	0.41
80568	16 27 01.43	+38 50 35.4	8.11	H	246.755 952 80	+38.843 160 34		8.86	−35.15	3.81	0.58	0.57	0.71	0.63	0.67	+16	− 4	+ 0	−18	−10	−15	−10	+ 1	−12	+14										0	0.95
80569	16 27 01.44	−18 27 22.3	4.22	2 H	246.755 992 94	−18.456 196 98		6.67	−5.58	−22.22	0.69	0.49	0.74	0.88	0.70	−14	−10	−14	+22	+ 5	− 9	+ 8	+34	+13	−32										0	−0.17
80570	16 27 01.66	−17 46 07.0	7.22	H	246.756 897 02	−17.768 605 90		17.32	10.85	−37.00	0.81	0.52	0.86	1.00	0.76	−22	−17	+ 6	+12	+10	+ 1	+12	+31	+12	−23										0	−0.69
80571	16 27 02.90	+34 00 09.2	8.89	H	246.762 082 56	+34.002 566 49		6.57	−13.37	−47.03	0.61	0.79	0.93	0.68	1.00	+14	− 9	−21	+15	+ 7	− 8	+ 5	+ 7	+ 6	−13										0	0.84
80572	16 27 03.39	+34 09 06.2	8.76	H	246.764 121 45	+34.151 728 76		4.10	−17.15	9.88	0.64	0.73	0.91	0.72	0.96	+ 4	− 7	−15	+13	+ 9	−11	+ 6	+ 0	− 6	−15										1	0.87
80573	16 27 04.18	+19 22 05.5	9.47	H	246.767 418 28	+19.368 206 60		2.42	−9.58	−27.58	0.96	0.96	1.48	1.11	1.13	+25	−24	−25	+22	+ 8	+13	+14	+26	−12	+11										0	1.08
80574	16 27 04.43	−40 33 17.0	9.49	H	246.768 439 39	−40.554 732 10		0.50	−2.96	−1.94	1.38	0.83	1.59	1.83	1.19	−13	−23	− 2	− 1	+19	−12	+20	+48	−23	− 2										0	0.69
80575	16 27 05.82	−65 47 45.1	9.03	H	246.774 262 51	−65.795 861 96		4.25	−3.27	−4.81	0.71	0.88	1.25	0.82	1.04	− 4	−12	−23	−23	− 5	+ 5	− 5	+21	+13	− 8										1	0.08
80576	16 27 06.46	−12 05 28.0	8.85	H	246.776 899 99	−12.091 104 28		5.32	17.36	24.94	1.29	0.81	1.33	1.72	1.17	−11	−16	−16	+12	+16	− 7	+15	+14	+ 9	−22										3	1.06
80577	16 27 06.84	−59 30 03.4	8.51	H	246.778 506 48	−59.500 931 22		2.34	−0.18	−3.57	0.84	0.69	1.09	0.93	0.86	+25	−28	−20	+41	+28	−12	+34	+53	−34	+21										0	1.14
80578	16 27 08.94	−58 07 17.3	7.25	H	246.787 266 71	−58.121 476 27		5.25	−20.70	−44.92	0.64	0.57	0.89	0.73	0.70	− 6	−18	−26	+46	− 4	+ 1	+ 2	+51	−32	−16										0	−1.30
80579	16 27 10.13	−47 32 56.7	6.69	H																																	
80580	16 27 10.35	−47 45 55.4	9.73	2 H	246.793 140 14	−47.765 395 97		7.16	−10.97	−7.96	1.77	1.03	2.29	2.13	1.54	+24	−25	−31	+ 2	+ 8	−14	+18	+52	−41	+12										2	1.69
80581	16 27 10.50	−42 28 05.3	8.93	H	246.793 754 20	−42.468 149 29		4.36	0.88	0.48	1.24	0.82	1.44	1.17	1.16	−27	−47	−13	+13	−42	+11	−15	+72	−32	−49										0	0.91
80582	16 27 11.05	−47 33 17.0	4.46	G	246.796 032 56	−47.554 735 90		8.16	−13.72	−20.63	0.75	0.48	0.98	0.85	0.73	+ 2	−37	−22	− 7	−23	+20	+ 0	+56	−34	−27										0	1.00
80583	16 27 12.18	−48 47 16.2	7.52	H	246.800 737 24	−48.787 835 33		4.45	−23.27	−33.54	1.00	0.64	1.10	1.26	0.95	+37	−30	−20	+45	+30	+ 6	+37	+66	−27	+35										0	0.09
80584 H	16 27 12.28	+18 59 38.8	8.38	G	246.801 172 94	+18.994 123 14	A	8.36	−57.74	9.19	3.64	3.46	2.31	1.76	1.70	+58	−19	−18	+ 9	+ 5	− 1	+11	+22	−11	+34										0	−0.25
80585	16 27 12.38	+49 57 02.5	8.90	H	246.801 566 73	+49.950 700 62		7.57	0.45	13.74	0.70	0.61	0.76	0.73	0.67	− 2	−28	− 2	+ 6	+ 2	− 5	+ 7	+ 4	−18	− 3										0	0.34
80586	16 27 12.53	−27 11 21.7	8.20	G	246.802 217 45	−27.189 366 51	A	7.84	−13.04	−24.08	2.38	1.59	2.37	2.78	1.98	−23	−21	−10	− 6	+ 1	+ 1	− 2	+39	−15	−13										1	0.33
80587	16 27 13.07	−22 07 33.8	7.69	H	246.804 472 35	−22.126 064 45		18.98	−276.85	−301.00	0.95	0.76	0.98	1.12	1.04	−46	−17	− 8	+30	−38	+ 8	−31	+63	−20	−54										0	−0.25
80588	16 27 13.28	+45 23 33.9	8.88	H	246.805 342 36	+45.392 752 57		3.21	−4.02	−14.52	0.69	0.78	0.88	0.76	0.88	− 3	− 2	+ 0	− 3	+ 4	−21	+ 3	−19	+ 2	−14										0	0.97
80589	16 27 14.34	+31 56 02.2	9.86	H	246.809 737 22	+31.933 950 02		9.55	−207.12	94.10	0.96	1.09	1.44	1.00	1.38	+11	−23	+ 0	+ 7	+ 0	− 1	+ 1	+ 9	− 5	− 5										2	1.26
80590 H	16 27 14.41	+39 53 19.2	8.73	H	246.810 043 91	+39.988 653 64	A	3.17	4.23	9.21	2.49	3.24	1.23	1.04	1.35	+ 0	+ 4	− 6	− 7	− 1	+ 8	+ 4	+ 5	+25	−10										3	−1.88
80591	16 27 14.60	−39 49 21.7	8.33	H	246.810 819 98	−39.822 702 75		8.50	−16.36	−27.85	0.98	0.62	1.14	1.07	0.86	−35	−25	+ 2	− 6	−19	−25	− 4	+47	−14	−48										0	−0.37
80592	16 27 15.38	+41 14 54.4	8.63	H	246.814 073 30	+41.248 453 19		6.02	−19.12	19.00	0.66	0.70	0.81	0.80	0.84	+ 1	− 2	− 8	− 6	+15	−10	+14	− 3	+ 8	+12	

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
80501	9.731	0.019	8.454	0.012		1.087	0.018	T	1.05	0.01	L	8.4914	0.0017	0.016	126		8.45	8.52					1							
80502	11.407	0.125	10.250	0.073		0.856	0.015	G	0.90	0.01	H	10.4580	0.0050	0.020	33		10.43	10.50					1							G
80503	11.182	0.064	9.120	0.019		1.745	0.055	T	2.42	0.10	O	8.9330	0.0128	0.103	90		8.81	9.09		U 2			1 S							P
80504	8.796	0.020	8.181	0.019	*	0.570	0.021	T	0.64	0.02	L *	8.4617	0.0022	0.013	88	*	8.44	8.49		D	16260−3114	I 1	2 C	A	AB	337	1.847	0.003	0.21	0.01	
80505	11.162	0.071	10.061	0.041	*	0.945	0.015	G	0.99	0.01	I *	9.9515	0.0030	0.024	99	*	9.90	9.99		D	16260−1407	I 1	2 C	A	AB	5	0.594	0.004	0.23	0.02	
80506	11.379	0.061	10.724	0.053	*	0.608	0.069	T	0.68	0.06	L *	10.8365	0.0047	0.041	125	*	10.76	10.90		D	16261+3524	H 1	2 C	B	AB	267	0.451	0.026	2.09	0.14	G
80507	9.668	0.017	9.617	0.022		0.046	0.025	T	0.06	0.02	L	9.6531	0.0019	0.020	126		9.60	9.69					1							
80508	11.102	0.060	9.848	0.032		1.069	0.053	T	1.03	0.04	L	9.9173	0.0028	0.019	92		9.89	9.96					1							
80509	10.145	0.047	9.570	0.045		0.531	0.020	G	0.60	0.02	H	9.6241	0.0036	0.022	40		9.59	9.66					1							
80510	10.494	0.035	8.668	0.014	A	0.963	0.150	G	1.48	0.09	L *	8.6139	0.0016	0.016	143	*	8.59	8.63		C	16261−5409	H 1	2 C	C	AB	216	1.050	0.064	3.63	0.29	
80511	9.054	0.014	8.511	0.014	A	0.571	0.015	G	0.64	0.01	H *	8.2842	0.0012	0.011	95	*	8.27	8.31		D	16261−3459	I 1	2 C	A	AB	105	1.761	0.007	0.20	0.01	
80512	11.327	0.058	10.089	0.030		1.024	0.020	G	1.07	0.02	I	10.1887	0.0024	0.028	147		10.14	10.23		C			1							
80513	8.689	0.012	8.447	0.014		0.233	0.015	G	0.24	0.02	L	8.4743	0.0013	0.015	160		8.44	8.50					1							S
80514	7.473	0.006	6.224	0.004		1.065	0.006	T	1.03	0.01	L	6.2727	0.0008	0.007	123		6.26	6.29		C			1							S
80515	9.829	0.018	8.808	0.013		0.890	0.017	T	0.90	0.01	L	8.8693	0.0016	0.021	146		8.84	8.90					1							
80516	11.020	0.077	8.718	0.020		1.899	0.064	T	1.93	0.07	L	8.5968	0.0039	0.019	50		8.58	8.63					1							
80517	8.422	0.008	7.180	0.005		1.060	0.007	T	1.03	0.01	L	7.2158	0.0008	0.008	150		7.20	7.23		C			1							S
80518	10.817	0.045	9.163	0.019		1.383	0.039	T	1.36	0.05	L	9.1016	0.0022	0.018	96		9.07	9.14			16262−3457	I 1	1 S							
80519	10.844	0.076	9.414	0.036		1.207	0.066	T	1.17	0.07	L	9.4555	0.0025	0.016	50		9.42	9.52		C			1							
80520	10.557	0.040	9.221	0.022	A	1.091	0.134	G	1.05	0.14	R *	9.1344	0.0020	0.019	128	*	9.10	9.16		D	16263−7834	H 1	2 C	A	AB	130	6.465	0.015	2.39	0.06	
80521	10.042	0.021	8.681	0.012		1.153	0.019	T	1.12	0.02	L	8.6996	0.0016	0.016	119		8.68	8.73					1							
80522						0.960	0.020	G	1.01	0.02	I	10.2017	0.0039	0.021	46		10.14	10.23					1							
80523	10.067	0.024	8.104	0.010		1.664	0.021	T	2.41	0.05	O	7.9112	0.0055	0.050	118		7.84	7.99		U 2			1 S							S
80524	10.285	0.041	8.615	0.018		1.396	0.035	T	1.37	0.04	L	8.6331	0.0030	0.018	51		8.60	8.67		C			1							
80525	9.662	0.019	7.677	0.008		1.645	0.016	T	1.67	0.02	L	7.6094	0.0013	0.011	110		7.59	7.63					1							
80526	11.371	0.073	9.676	0.026		1.416	0.061	T	1.40	0.10	L	9.6511	0.0022	0.023	149		9.61	9.69					1							G
80527	6.782	0.007	6.689	0.006		0.091	0.009	T	0.10	0.01	L	6.6936	0.0008	0.006	52		6.68	6.70					1							S
80528	8.335	0.009	7.037	0.006		1.104	0.008	T	1.07	0.01	L	7.0704	0.0010	0.012	127		7.05	7.09					1							S
80529	10.175	0.028	8.160	0.010		1.706	0.024	T	2.35	0.05	O	7.9834	0.0040	0.027	113		7.95	8.02		U 2			1							
80530	10.766	0.049	10.328	0.053		0.413	0.066	T	0.48	0.07	L	10.3810	0.0035	0.026	92		10.32	10.42					1							G
80531	7.811	0.007	7.835	0.009		−0.017	0.010	T	0.01	0.01	L	7.8379	0.0030	0.025	139		7.80	7.87	5.43	P 1 A			1							S
80532	8.723	0.011	7.412	0.007		1.114	0.010	T	1.08	0.01	L	7.4583	0.0011	0.010	126		7.44	7.48		C			1							S
80533	8.261	0.007	8.211	0.008		0.045	0.009	T	0.06	0.01	L	8.2293	0.0015	0.017	176		8.20	8.26					1 G							
80534	10.864	0.065	10.136	0.054		0.738	0.020	G	0.79	0.01	H	10.0929	0.0042	0.029	74		10.03	10.13					1							G
80535	9.293	0.018	8.686	0.016		0.564	0.018	T	0.64	0.02	L	8.7475	0.0027	0.018	83		8.72	8.79		U			1							
80536	8.844	0.012	8.395	0.012		0.456	0.015	G	0.53	0.02	H	8.4392	0.0014	0.014	123		8.42	8.47					1							S
80537	10.680	0.051	10.245	0.059		0.553	0.015	G	0.63	0.01	H	10.1993	0.0032	0.032	81		10.13	10.25					1							G
80538	7.878	0.008	6.629	0.004		1.065	0.007	T	1.03	0.01	L	6.6825	0.0010	0.008	120		6.67	6.70					1							S
80539											T	10.6658	0.0028	0.029	113		10.60	10.71		C			1 X S							G
80540	11.216	0.106	10.479	0.088	B						T *	10.0058	0.0071	0.063	113	*	9.92	10.10		U 2	16266−5205	I 1	2 C	A	AB	270	4.314	0.020	0.16	0.06	G
80541	10.851	0.043	8.902	0.016		1.652	0.038	T	2.22	0.09	O	8.7476	0.0046	0.055	121		8.67	8.85		U 2			1							
80542	9.264	0.023	7.934	0.014	*	1.129	0.021	T	1.09	0.02	L *	7.9874	0.0024	0.011	51	*	7.97	8.01		C	16267+0520	H 1	2 C	A	AB	25	0.539	0.020	3.23	0.10	S
80543	7.464	0.007	6.762	0.005		0.647	0.007	T	0.71	0.01	L	6.8300	0.0009	0.008	119		6.82	6.85		C			1							S
80544	10.439	0.043	9.653	0.035		0.680	0.040	G	0.74	0.03	R	9.6780	0.0024	0.018	78		9.65	9.71		C			1							
80545	8.467	0.009	8.447	0.012		0.019	0.013	T	0.04	0.01	L	8.4981	0.0018	0.017	131		8.47	8.65		U 2 C			1							
80546	8.200	0.008	6.800	0.005		1.183	0.007	T	1.14	0.01	L	6.8287	0.0007	0.007	126		6.82	6.84		C			1							S
80547	10.630	0.034	9.757	0.026		0.637	0.126	G	2.38	0.15	S	9.7504	0.0053	0.054	145		9.66	9.86		R 2			1 X							
80548	8.746	0.011	6.862	0.005		1.610	0.015	G	2.21	0.05	F	6.7430	0.0060	0.072	139		6.63	6.81		U 2			1 S							S P
80549	9.715	0.018	9.133	0.017		0.544	0.022	T	0.62	0.02	L	9.1920	0.0020	0.021	125		9.15	9.23		C			1							
80550	12.628	0.310	8.470	0.015	*	2.450	0.510	G	2.45	0.52	J *	8.6346	0.1863	0.617	78	*	7.40	9.00	296.10	P 1 A	16267−1226	H 1	2 C S	B	AB	359	0.160	0.017	0.08	0.48	
80551	11.024	0.041	9.868	0.024		0.993	0.037	T	0.97	0.03	L	9.9480	0.0029	0.032	163		9.88	10.00					1 S							
80552	9.549	0.020	9.167	0.021		0.362	0.027	T	0.42	0.03	L	9.2516	0.0016	0.015	79		9.23	9.29		C			1							
80553	9.271	0.013	8.694	0.012		0.539	0.016	T	0.61	0.02	L	8.7456	0.0015	0.018	145		8.72	8.79		C	16268+1203	I 1	1 S							S
80554	8.622	0.008	7.389	0.005		1.053	0.007	T	1.02	0.01	L	7.4349	0.0011	0.012	173		7.41	7.45					1							S
80555	8.716	0.011	7.506	0.007		1.035	0.010	T	1.01	0.01	L	7.5608	0.0012	0.010	123		7.54	7.58					1							S
80556	10.159	0.037	9.324	0.029		0.735	0.036	T	0.78	0.03	L	9.4062	0.0017	0.018	85		9.38	9.44		C			1							
80557	7.164	0.005	7.207	0.006	*	−0.035	0.007	T	−0.01	0.01	L *	7.1919	0.0034	0.027	138	*	7.15	7.24	2.73	P 1 A	16268−4803	I 1	2 C	A	AB	276	1.018	0.013	2.61	0.04	S P
80558	7.213	0.008	6.160	0.005		0.919	0.001	G	0.92	0.00	H	6.2234	0.0009	0.004	47		6.21	6.23					1							S
80559	12.446	0.233	10.754	0.082		1.440	0.204	T	2.66	0.23	S	10.6772	0.0046	0.033	115		10.62	10.76		R			1							G
80560	9.824	0.022	9.258	0.021		0.529	0.027	T	0.60	0.03	L	9.3273	0.0015	0.013	99		9.30	9.36		C	16268−1351	I 1	1							
80561	9.150	0.015	8.672	0.014		0.450	0.019	T	0.52	0.02	L	8.7260	0.0015	0.015	110		8.70	8.75		C			1							
80562	10.150	0.022	8.550	0.011		1.341	0.019	T	1.31	0.02	L	8.5575	0.0015	0.014	124		8.54	8.58		C			1							
80563	8.057	0.007	7.931	0.010		0.148	0.001	G	0.16	0.00	H	7.9624	0.0018	0.019	127		7.93	8.00	0.13	P 1 A			1							S
80564	11.026	0.046	9.768	0.025		1.072	0.041	T	1.04	0.03	L	9.8261	0.0025	0.029	128		9.78	9.88					1							
80565	9.992	0.028	9.503	0.028		0.432	0.018	G	0.50	0.02	H	9.5566	0.0023	0.018	77		9.53	9.59					1							
80566	9.841	0.021	8.389	0.011		1.224	0.019	T	1.18	0.02	L	8.4202	0.0013	0.013	110		8.40	8.45		C			1							
80567	8.157	0.008	6.929	0.006		1.049	0.008	T	1.03	0.02	A	6.9699	0.0008	0.009	135		6.96	6.99					1							S
80568	8.539	0.009	8.148	0.009		0.370	0.012	T	0.43	0.01	L	8.1961	0.0011	0.010	125		8.18	8.22		C			1							S
80569	4.515	0.008	4.282	0.006		0.217	0.010	T	0.24	0.01	L	4.2870	0.0033	0.047	84		4.25	4.40		U 2 C			1							S P
80570	7.814	0.007	7.279	0.008		0.509	0.008	T	0.58	0.01	L	7.3296	0.0008	0.007	81		7.32	7.34		C			1							S
80571	9.407	0.014	8.926	0.014		0.453	0.018	T	0.52	0.02	L	8.9957	0.0016	0.018	148		8.96	9.04		C			1							
80572	10.336	0.026	8.901	0.014		1.211	0.023	T	1.17	0.02	L	8.9192	0.0014	0.017	144		8.88	8.95					1							
80573	10.097	0.021	9.538	0.020		0.523	0.026	T	0.60	0.03	L	9.5782	0.0022	0.030	160		9.53	9.63					1							S
80574	10.237	0.029	9.588	0.025		0.660	0.015	G	0.72	0.01	H	9.6316	0.0019	0.018	105		9.60	9.66		C			1							G
80575	8.946	0.012	8.994	0.016		−0.041	0.017	T	−0.02	0.02	L	9.0241	0.0019	0.019	130		8.99	9.05					1							
80576	9.806	0.030	8.985	0.023		0.740	0.029	T	0.79	0.02	L	9.0004	0.0019	0.018	67		8.97	9.03		C	16271−1205	I 1	1							
80577	8.514	0.009	8.500	0.012		0.013	0.013	T	0.03	0.01	L	8.5258	0.0016	0.014	115		8.50	8.55					1							
80578	8.548	0.009	7.365	0.006		1.014	0.008	T	0.99	0.01	L	7.4130	0.0008	0.009	124		7.40	7.44					1							S
80579						0.072	0.003	G	0.08	0.00	H	6.7149	0.0362	0.316	39		6.16	7.02			16272−4733	I 2	S							S G
80580	11.385	0.104	10.034	0.049		1.145	0.090	T	1.11	0.08	L	9.8504	0.0042	0.044	134		9.79	9.93		U 2			1							G
80581	10.879	0.043	9.111	0.017		1.473	0.037	T	1.49	0.06	L	9.0655	0.0021	0.016	128		9.04	9.09					1							
80582	4.430	0.002	4.517	0.002		−0.070	0.015	G	−0.04	0.02	A	4.5129	0.0014	0.014	129		4.49	4.53		D	16272−4733	I 2	1 S							S
80583	9.507	0.015	7.689	0.007		1.513	0.013	T	1.55	0.02	L	7.6442	0.0013	0.013	137		7.62	7.67			16272−4847	I 1	1							
80584	8.898	0.010	8.429	0.010	*	0.470	0.015	G	0.54	0.02	H *	8.4727	0.0016	0.016	157	*	8.44	8.51			16272+1900	H 1	2 C	C	AB	231	0.311	0.070	3.20	0.57	S
80585	9.353	0.016	8.920	0.016		0.409	0.021	T	0.48	0.02	L	8.9913	0.0017	0.016	128		8.97	9.02		C			1							
80586	8.754	0.012	8.278	0.012	A	0.473	0.001	G	0.54	0.00	H	8.3400	0.0067	0.013	82	A	8.32	8.36			16272−2711	I 1	2 C	B	AB	349	11.631	0.041	3.24	0.13	
80587	8.326	0.010	7.748	0.011		0.552	0.014	G	0.62	0.01	H	7.8062	0.0016	0.013	83		7.79	7.83		C			1							S
80588	10.155	0.023	8.970	0.015		1.015	0.021	T	0.99	0.02	L	9.0460	0.0019	0.018	120		9.01	9.07					1							
80589	10.596	0.034	9.922	0.030		0.624	0.038	T	0.69	0.03	L	9.9909	0.0034	0.032	135		9.94	10.04					1							
80590	9.120	0.014	8.779	0.014	*	0.323	0.019	T	0.37	0.03	L *	8.8070	0.0017	0.017	116	*	8.77	8.85		D	16272+3953	I 1	2 C	A	AB	356	0.313	0.004	0.26	0.06	S
80591	8.592	0.010	8.370	0.011		0.206	0.015	T	0.23	0.02	L	8.3948	0.0016	0.012	115		8.37	8.42		C			1							
80592	9.023	0.013	8.672	0.014		0.379	0.015	G	0.44	0.02	H	8.7189	0.0017	0.015	126		8.69	8.75		C			1							S
80593	12.045	0.142	9.748	0.028		1.895	0.116	T	1.93	0.12	L	9.5045	0.0017	0.019	105		9.46	9.53		C			1							G
80594	10.372	0.024	9.435	0.018	A	1.059	0.197	G	0.90	0.07	B *	9.4417	0.0018	0.023	169	*	9.41	9.49		R	16273+2653	I 1	2 C	A	AB	95	1.050	0.020	2.32	0.10	
80595	10.027	0.032	9.253	0.027	*	0.689	0.032	T	0.75	0.03	L *	9.3650	0.0029	0.028	141	*	9.31	9.41		D	16273−4346	I 1	2 C	A	AB	117	4.439	0.010	1.17	0.03	
80596	12.074	0.140	9.929	0.030		1.773	0.114	T	1.80	0.12	L	9.8559	0.0029	0.025	134		9.81	9.90					1 S							G
80597	11.840	0.176	10.159	0.064		1.387	0.150	G	1.45	0.21	K	10.0816	0.0030	0.024	43		10.03	10.12		C			1							
80598	11.294	0.089	9.170	0.024		1.756	0.074	T	1.78	0.08	L	9.0812	0.0037	0.020	72		9.05	9.12					1							
80599	10.984	0.075	9.307	0.031		1.401	0.064	T	1.38	0.08	L	9.3245	0.0024	0.015	50		9.30	9.35		D			1							
80600	9.161	0.012	8.744	0.012		0.394	0.016	T	0.46	0.02	L	8.7860	0.0014	0.020	143		8.75	8.82					1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)												Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$		F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr													%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
80601	16 27 25.19	+25 13 16.6	9.66	H	246.854 951 99	+25.221 278 70		2.25	−19.69	7.99	0.68	0.98	1.44	0.71	0.99	+12	−17	+ 5	−12	+19	+ 0	+17	− 7	− 5	+42		0	1.32
80602	16 27 25.68	+21 13 26.9	7.99	H	246.857 011 61	+21.224 139 11		12.14	−55.82	40.52	0.66	0.63	1.01	0.64	0.75	+13	−26	−20	−51	−34	+20	−26	+18	−14	− 3		0	−1.69
80603 H	16 27 26.22	−37 28 37.0	8.60	2 H	246.859 252 62	−37.476 939 09	*	11.45	−42.69	−36.04	1.13	0.80	1.25	1.16	1.03	−36	−30	− 3	+ 7	−28	− 3	−12	+61	−18	−51		0	−0.13
80604	16 27 29.01	+20 22 26.2	10.34	H	246.870 864 72	+20.373 940 54		0.00	5.59	−10.63	1.39	1.25	2.02	1.94	1.87	+25	−12	− 3	+ 7	+11	−24	+14	+ 8	−31	+55		0	−0.40
80605	16 27 29.43	−66 20 17.2	8.23	H	246.872 614 75	−66.338 105 49		11.09	2.79	−24.59	0.61	0.73	1.15	0.69	0.80	+14	−24	−29	−19	+ 5	− 4	+ 9	+10	+ 3	−13		0	1.39
80606	16 27 29.57	−69 19 33.5	6.68	H	246.873 207 88	−69.325 974 67		3.73	−7.11	−24.80	0.30	0.44	0.62	0.31	0.50	+16	−21	− 9	− 2	− 9	− 5	−12	+ 3	+ 8	+14		1	1.37
80607	16 27 29.69	−29 17 17.7	7.01	H	246.873 712 40	−29.288 241 57		6.64	−15.48	−13.27	0.78	0.52	0.93	0.76	0.66	−30	−26	−16	− 8	−21	− 8	− 8	+42	−32	−44		0	0.84
80608	16 27 30.89	−10 08 34.0	8.58	H	246.878 713 02	−10.142 790 97		19.50	−66.59	−38.13	1.30	1.08	1.56	1.72	1.31	−33	+ 2	−46	−16	+25	−20	+20	−16	+ 8	−50		0	−0.69
80609	16 27 31.46	−25 09 01.7	9.61	H	246.881 077 05	−25.150 484 53		8.51	−92.81	−53.25	1.37	1.02	1.56	1.56	1.25	−28	−16	−32	+25	−27	+17	−18	+57	−25	−38		0	0.92
80610	16 27 32.27	+02 52 14.4	6.35	1 H	246.884 446 40	+02.870 658 73		5.96	6.39	−10.38	0.82	0.62	0.86	0.99	0.83	− 9	−39	−22	+14	−19	+ 6	−19	+27	+ 9	−29		0	1.82
80611	16 27 33.03	−83 28 32.0	8.37	H	246.887 634 56	−83.475 562 55		11.06	−133.76	−166.11	0.57	0.67	0.76	0.70	0.80	+ 2	− 6	+ 8	−14	−15	−20	−12	−16	−13	+ 1		3	1.18
80612	16 27 33.35	−10 00 25.6	10.82	G	246.888 950 61	−10.007 113 50		46.19	−206.22	−325.09	2.54	1.95	2.85	3.13	2.43	−32	− 9	−36	−27	+36	−26	+30	−29	+13	−53		0	0.29
80613	16 27 33.86	+47 20 30.4	7.32	H	246.891 097 93	+47.341 765 91		3.29	3.99	−24.84	0.49	0.48	0.56	0.53	0.49	− 4	− 2	− 1	− 8	+ 9	− 3	+ 9	− 8	+ 0	− 8		0	−0.95
80614	16 27 35.19	−52 28 36.0	8.21	H	246.896 639 17	−52.476 679 96		3.08	−4.56	−10.57	0.82	0.63	1.12	1.10	0.82	+ 4	+ 2	−19	+ 6	+ 1	− 7	− 4	+51	−30	+13		0	−1.04
80615	16 27 35.26	−52 46 05.9	7.70	H	246.896 914 37	−52.768 297 94		5.41	−51.72	−45.86	0.85	0.63	1.16	1.11	0.82	+14	−16	−32	− 3	− 1	− 5	+ 1	+52	−32	+14		0	−1.77
80616 H	16 27 38.95	−03 35 03.2	10.81	G	246.912 299 35	−03.584 230 08	A	23.38	29.40	−63.15	4.29	3.48	4.19	4.46	4.33	−30	−21	+10	+24	−17	−11	−16	+34	− 6	−46		2	0.04
80617	16 27 40.95	−08 15 47.2	9.91	G	246.920 619 08	−08.263 122 12		6.99	−20.27	−11.77	1.51	1.13	1.64	1.67	1.35	−15	−30	−21	− 1	−11	− 2	− 9	+16	− 5	−28		0	0.74
80618	16 27 42.01	−00 47 14.7	9.40	H	246.925 027 21	−00.787 414 67		6.69	−2.35	−15.39	2.20	1.88	2.88	2.87	2.38	+ 8	−57	−61	+ 4	−46	+37	− 6	+69	−37	−41		0	0.76
80619	16 27 43.03	+53 26 58.1	10.34	H	246.929 292 36	+53.449 469 63		−0.45	−1.13	−2.84	1.04	1.05	1.15	1.22	1.28	−11	+ 8	+ 5	− 4	+ 3	+10	+ 2	+ 5	−17	−19		1	1.62
80620	16 27 43.46	−07 35 51.2	5.24	2 H	246.931 070 61	−07.597 556 17		6.43	−0.95	−153.41	0.90	0.61	0.93	0.87	0.69	−10	−46	− 7	+22	− 8	+ 1	− 5	+29	− 3	−25		0	0.18
80621	16 27 43.57	−49 26 25.6	8.17	H	246.931 547 35	−49.440 451 76		7.60	−35.36	−56.79	1.16	0.88	1.29	1.64	1.34	+24	−16	−32	+58	+15	+16	+24	+79	−37	+17		0	−1.55
80622	16 27 43.79	+20 50 36.0	8.39	H	246.932 457 92	+20.843 323 28		3.60	−0.95	14.82	0.65	0.67	1.06	0.67	0.75	+13	−22	−11	−41	−17	+ 7	−14	+ 6	−11	+11		0	−0.27
80623	16 27 44.81	+54 31 39.8	8.50	H	246.936 716 74	+54.527 713 39		1.08	−8.67	−4.69	0.73	0.67	0.75	0.86	0.76	+ 4	− 1	+ 3	+13	− 1	− 5	+ 0	+ 5	− 1	+20		1	1.49
80624	16 27 46.44	−81 57 40.6	7.28	H	246.943 480 10	−81.961 273 13		5.62	−36.89	−44.81	0.49	0.54	0.67	0.42	0.58	− 3	−42	+ 1	− 3	− 7	−11	− 8	+ 3	+ 1	− 2		4	0.42
80625 H	16 27 46.52	+20 53 44.2	8.24	G	246.943 841 49	+20.895 618 26	A	10.92	32.96	−117.49	1.26	1.25	1.59	1.09	1.22	+ 0	−23	− 4	−45	− 9	+ 3	−17	+15	− 5	+ 7		1	1.26
80626 H	16 27 47.33	−73 05 12.0	8.12	H	246.947 197 03	−73.086 653 24	A	0.82	−2.09	−6.53	1.80	1.93	1.11	0.81	1.15	+57	− 7	+ 8	+ 2	+ 6	+ 0	+ 6	+10	−11	+32		1	−0.52
80627	16 27 47.73	−65 44 39.1	9.37	H	246.948 861 21	−65.744 187 95		2.02	−3.82	−4.50	0.84	0.94	1.48	0.92	1.13	+ 0	− 4	−21	− 6	− 4	+ 8	− 1	+19	+21	− 6		3	1.71
80628 H	16 27 48.23	−08 22 18.1	4.62	G	246.950 945 63	−08.371 700 55	A	26.67	−67.26	−12.60	0.96	0.87	0.87	0.92	0.74	−17	−36	−20	+ 5	−11	−11	− 9	+22	− 5	−44		0	0.52
80629 H	16 27 48.96	−41 18 29.8	8.12	G	246.954 012 86	−41.308 269 44	*	12.35	33.76	3.97	0.95	0.62	1.06	1.15	0.90	−17	−23	+ 0	+ 8	− 6	− 7	+ 4	+52	− 9	−29		0	1.93
*80630	16 27 50.33	−01 03 33.4	9.64	G																								
*80631	16 27 50.25	+62 19 56.5	8.71	G	246.959 393 81	+62.332 362 77		5.72	20.20	13.63	0.66	0.72	0.75	0.60	0.75	+ 9	− 2	−24	−38	−15	−10	−17	−27	+21	−15		4	−1.76
80632	16 27 50.76	−22 35 42.8	9.89	G	246.961 511 96	−22.595 234 82		7.91	−34.69	−45.22	1.39	1.10	1.46	1.56	1.44	−44	−19	+10	+25	−26	− 4	−19	+57	− 5	−50		0	−0.66
80633 H	16 27 51.21	−64 39 42.4	8.62	H	246.963 381 79	−64.661 776 14	A	6.02	−8.97	14.15	1.40	1.29	1.77	1.27	1.37	+ 1	+ 1	− 8	−46	−33	−12	−38	+ 3	+17	+12		0	−0.43
80634	16 27 51.67	+31 52 36.9	10.22	2 H	246.965 283 78	+31.876 922 25		7.52	20.19	−23.02	1.11	1.26	1.74	1.19	1.41	+12	−22	− 9	+13	+ 0	−18	− 5	−10	+ 3	− 1		5	0.49
80635	16 27 52.24	−66 22 05.1	9.21	G	246.967 670 74	−66.368 077 87	A	5.74	−43.31	−15.47	1.13	1.41	1.89	1.14	1.46	+15	−16	−29	−20	+ 7	− 4	+ 7	− 7	+22	− 3		3	0.18
*80636	16 27 52.34	−35 47 00.1	9.37	2 H	246.968 100 62	−35.783 373 45		8.54	−13.05	−25.53	1.47	0.86	1.64	2.08	1.19	+ 3	−10	−11	+30	+15	+37	+22	+57	−30	− 6		0	−0.75
*80637	16 27 52.33	+02 18 34.6	8.42	2 H	246.968 041 58	+02.309 619 38		2.42	17.50	−32.35	1.30	1.03	1.37	1.56	1.52	+13	−30	−14	+38	+29	−24	+18	+18	+23	−33		0	−0.78
80638	16 27 53.05	−69 51 40.9	7.22	H	246.971 021 37	−69.861 357 90		3.79	−10.80	−6.84	0.33	0.50	0.69	0.34	0.58	+22	−12	− 7	−11	− 4	−10	− 7	+10	+ 3	+25		1	0.98
80639	16 27 53.98	+21 39 10.7	8.02	H	246.974 935 06	+21.652 972 59		9.07	−46.10	−15.63	0.62	0.62	1.00	0.62	0.77	+ 3	−26	−19	−33	−20	+11	−17	+21	− 3	− 9		0	−0.34
80640 H	16 27 54.19	−59 50 55.4	8.65	2 H	246.975 776 43	−59.848 713 88	A	5.54	−7.38	−8.26	2.92	1.73	1.67	1.31	1.21	+16	− 9	− 9	+22	+21	− 6	+17	+36	−13	+17		6	1.18
80641 H	16 27 54.65	+25 59 03.5	6.88	H	246.977 700 18	+25.984 315 59	A	6.49	−16.18	15.30	0.78	1.01	1.22	0.86	1.00	+11	+ 3	+ 6	−21	− 6	−18	− 1	−16	+ 4	−10		2	0.72
80642	16 27 55.92	−61 37 33.2	7.68	H	246.982 986 54	−61.625 894 38		4.96	−20.65	−11.43	0.60	0.61	0.91	0.70	0.70	−11	−13	−13	+14	− 8	−15	− 7	+36	− 2	−25		2	0.19
80643	16 27 56.82	−58 48 28.9	9.34	G	246.986 744 19	−58.808 029 30		8.50	−8.39	2.26	0.95	0.84	1.43	1.04	1.08	+ 8	−20	−31	+24	− 1	+ 2	+11	+49	−43	−14		0	2.30
80644	16 27 57.05	+07 18 21.9	8.83	G	246.987 722 89	+07.306 087 20		56.43	−247.10	−262.37	0.90	0.74	1.31	1.03	0.97	−59	−29	+18	+26	−38	− 8	−51	+57	+ 2	−17		0	0.53
*80645	16 27 57.27	−64 03 28.8	5.28	2 H	246.988 641 98	−64.058 005 15		24.75	52.71	26.08	0.44	0.50	0.68	0.52	0.61	−22	− 4	− 7	− 6	−30	+10	−28	+42	− 2	−27		1	−0.54
*80646	16 27 57.20	+25 11 37.8	8.18	H	246.988 323 98	+25.193 821 28		7.88	13.05	−57.05	0.49	0.64	1.01	0.54	0.72	+10	− 1	−12	−24	+ 4	− 3	− 1	+ 3	− 1	+27		0	0.00
80647	16 27 57.68	−62 35 56.1	8.03	G	246.990 318 42	−62.598 916 60		10.76	−27.26	−25.70	0.64	0.68	0.87	0.87	0.87	−14	−15	−16	+24	−26	+ 8	−17	+58	−17	−31		1	1.11
80648	16 27 57.71	+32 41 58.1	6.87	H	246.990 474 21	+32.699 476 48		6.45	−18.39	−3.08	0.42	0.51	0.65	0.47	0.59	+ 4	−11	−22	+14	+ 9	−14	+ 4	− 4	+ 1	−16		1	2.01
80649	16 27 58.02	−53 36 58.2	9.15	H	246.991 759 28	−53.616 179 98		8.39	−53.10	−172.97	0.97	0.81	1.47	1.24	1.10	− 3	− 4	−15	+ 7	−10	−16	− 5	+52	−31	−11		0	−0.61
80650	16 27 59.05	+68 46 05.0	4.94	H	246.996 054 88	+68.768 054 91		6.64	−24.53	33.82	0.41	0.45	0.45	0.42	0.53	+ 7	−14	−24	+ 3	− 8	+ 1	− 6	+31	−14	+ 0		1	−0.01
*80651	16 27 59.12	−73 01 18.5	7.64	H	246.996 319 22	−73.021 797 28		1.23	9.53	−2.99	0.45	0.62	0.78	0.52	0.81	+19	−10	+ 8	− 7	− 3	− 5	− 1	+ 0	−13	+19		0	0.83
*80652	16 27 59.11	−46 15 02.7	7.00	H	246.996 293 88	−46.250 754 27		7.01	−9.80	−31.62	0.81	0.66	0.90	1.13	0.91	−21	− 4	− 7	+22	−15	+14	−13	+72	− 3	−23		0	−1.85
80653	16 27 59.31	−40 57 20.0	9.60	H	246.997 105 34	−40.955 555 86		5.35	−3.73	−12.12	1.57	0.81	1.68	2.11	1.17	−15	−23	−11	−36	+19	− 9	+12	+42	−29	+ 4		0	−0.73
80654	16 28 00.30	−60 44 21.1	7.92	H	247.001 252 92	−60.739 195 52		4.74	−40.01	−14.08	0.59	0.60	1.00	0.73	0.75	−11	− 9	− 9	− 4	− 6	− 7	− 5	+37	− 6	−16		0	−0.03
80655	16 28 00.47	−17 50 41.3	8.30	H	247.001 946 63	−17.844 802 53		16.93	−103.91	38.23	1.04	0.69	1.12	1.30	1.01	−38	−18	+ 0	+13	− 3	+21	+ 5	+34	−22	−45		0	−1.83
80656 H	16 28 01.26	+51 35 31.4	7.30	G	247.005 247 07	+51.592 059 32	A	5.31	−22.17	12.57	0.79	0.79	0.78	0.75	0.82	+18	−16	−17	−10	−10	+14	− 6	+ 2	− 4	+ 0		2	−0.51
80657	16 28 01.49	+15 44 11.7	8.09	H	247.006 202 79	+15.736 572 03		4.16	−14.46	−7.12	0.79	0.70	1.08	1.25	1.06	+20	−17	−17	+24	+ 0	−17	+ 1	+35	−24	+34		0	−0.20
80658	16 28 02.58	−13 06 10.5	8.65	H	247.010 756 72	−13.102 926 63		9.84	−25.48	5.45	1.06	0.67	1.15	1.26	0.97	−33	−24	−15	+10	−11	+10	− 1	+42	−25	−40		0	2.39
80659	16 28 05.27	−43 39 40.1	9.53	2 H	247.021 943 12	−43.661 141 46		3.43	−0.35	−0.47	1.24	0.83	1.39	1.40	1.11	− 8	−28	−16	+ 7	−10	+ 9	+ 0	+54	−24	−19		0	−1.21
80660	16 28 07.01	+41 27 33.2	8.88	G	247.029 226 41	+41.459 225 01		4.13	−23.84	21.50	0.75	0.77	0.91	0.90	0.89	+14	− 7	−18	− 4	+12	− 6	+10	+ 3	+ 9	+15		0	1.37
80661 H	16 28 08.09	−51 16 29.3	8.40	H	247.033 722 01	−51.274 800 09	*	1.64	−0.42	−11.12	0.90	0.62	1.16	1.03	0.78	+12	−30	−17	+14	+ 6	− 2	+12	+48	−21	+ 8		0	−0.70
80662	16 28 08.21	+17 29 27.9	9.21	H	247.034 202 34	+17.491 073 56		3.90	−11.79	6.28	0.99	0.86	1.24	1.23	1.20	+25	−23	−11	+39	+17	+ 2	+19	+40	−12	+37		4	3.00
*80663	16 28 08.32	−46 54 04.1	10.20	H	247.034 650 78	−46.901 140 79		6.14	−9.67	−19.78	1.68	1.10	2.13	2.10	1.62	+ 7	−33	−23	− 8	− 8	+13	+ 7	+57	−24	−11		0	0.46
*80664	16 28 08.28	−42 43 10.6	9.69	H	247.034 513 97	−42.719 609 20		9.83	−1.66	−60.56	1.15	0.77	1.30	1.23	1.04	− 5	−26	−21	− 6	−24	− 1	−11	+49	−27	−27		0	−0.71
80665	16 28 08.75	+24 35 10.3	9.87	H	247.036 473 35	+24.586 207 07		13.90	−124.71	53.43	0.57	0.97	1.60	0.65	1.02	+11	− 6	−11	+ 6	+18	− 6	+21	− 9	+ 2	+39		4	0.86
80666 H	16 28 09.33	+76 14 00.6	8.06	H	247.038 880 73	+76.233 506 70	A	2.83	3.90	−16.82	0.79	0.86	0.80	0.78	0.87	+16	−14	−32	− 3	− 6	− 4	− 9	−15	+ 9	+ 9		2	−0.37
80667 H	16 28 11.79	+60 40 49.0	8.82	H	247.049 117 31	+60.680 278 48	A	7.05	5.48	3.09	1.55	1.56	1.42	1.47	1.57	+ 7	− 4	−22	+ 1	− 1	+ 7	+ 0	+19	+17	+ 5		0	0.39
80668	16 28 12.02	+43 23 27.1	8.53	H	247.050 099 76	+43.390 870 78		3.81	−8.28	6.42	0.62	0.62	0.73	0.77	0.87	− 4	+ 7	− 4	+10	− 2	− 5	− 1	+11	+ 4	−25		1	−0.21
80669	16 28 12.29	+59 46 51.3	9.90	G	247.051 192 97	+59.780 905 80		4.75	15.19	−2.04	0.94	0.85	0.94	0.97	0.96	+21	−20	−18	− 5	+ 8	− 3	+ 6	+16	+ 3	+23		0	0.56
*80670	16 28 12.90	+09 18 57.8	9.16	H	247.053 754 76	+09.316 058 48		0.70	12.09	5.71	1.00	0.72	1.23	1.24	0.99	−28	−26	+19	+42	−12	+ 1	−17	+51	+ 7	+ 5		0	−2.35
*80671	16 28 12.88	−48 44 46.8	8.62	H	247.053 659 61	−48.746 336 39		2.67	10.56	−28.48	1.19	0.77	1.40	1.50	1.20	+37	−41	−37	+37	+12	+ 9	+28	+72	−34	+18		0	−0.93
80672	16 28 14.46	−37 10 47.3	5.79	H	247.060 240 24	−37.179 816 06		10.22	15.06	−26.90	0.75	0.51	0.83	0.71	0.67	−35	−45	− 2	+ 3	−35	+ 7	−10	+56	−26	−58		2	1.09
80673	16 28 15.07	−25 27 14.5	6.97	H	247.062 808 82	−25.454 025 38		8.28	22.72	6.52	0.81	0.60	1.03	0.85	0.71	−24	−36	−20	+18	−21	+17	− 4	+51	−21	−40		0	2.65
80674	16 28 15.14	−59 55 43.8	8.39	H	247.063 069 62	−59.928 841 48		1.25	0.02	−7.31	0.61	0.62	1.08	0.74	0.74	+ 1	−15	− 6	+13	+19	+ 7	+19	+41	− 9	+ 6		1	0.62
80675	16 28 15.18	−58 35 59.0	5.67	H	247.063 265 16	−58.599 709 14		4.80	−22.18	−35.34	0.49	0.45	0.72	0.56	0.58	−15	−23	−20	+24	−17	− 7	− 7	+43	−33	−32		0	2.35
80676	16 28 15.56	+69 44 48.9	8.86	H	247.064 830 24	+69.746 924 71		2.33	4.63	11.92	0.72	0.69	0.74	0.74	0.87	+ 7	−14	−15	−16	− 7	+ 2	−11	+11	+ 0	+13		0	1.55
80677 H	16 28 16.06	−16 12 43.6	7.19	G	247.066 926 72	−16.212 122 46	*	14.69	−7.73	−26.25	1.81	1.21	1.23	1.62	1.09	+38	−15	−11	+36	+27	−27	+24	+52	−13	+54		4	1.46
80678	16 28 16.44	−57 12 41.8	7.72	H	247.068 501 79	−57.211 615 51		4.08	−4.03	−11.95	0.68	0.60	0.90	0.81	0.76	+16	−10	+ 6	+38	+30	+ 2	+29	+54	− 3	+26		0	−1.32
80679	16 28 17.09	+44 40 44.3	11.30	G	247.071 214 14	+44.678 974 03		10.30	−267.83	−689.54	4.33	4.32	4.97	4.98	5.23	+ 0	− 2	+ 3	−22	+ 6	−17	+ 7	−22	− 1	+ 3		3	
80680	16 28 17.25	−46 19 03.7	7.69	H	247.071 858 85	−46.317 695 90		18.85	43.93	29.74	0.89	0.68	1.03	1.25	0.96	−16	−15	−14	+13	−15	+27	− 8	+71	−12	−23		0	0.04
80681	16 28 19.80	+25 30 55.6	8.97	H	247.082 496 71	+25.515 443 39		6.03	−6.14	−18.26	0.61	0.78	1.21	0.73	0.94	+ 5	− 7	−11	−17	− 5	− 2	− 4	− 2	− 6	+ 2		1	0.15
80682	16 28 21.17	+67 02 38.4	6.45	H	247.088 201 61	+67.044 012 24		4.73	−20.61	−5.17	0.47	0.54	0.54	0.52	0.67	+ 5	−18	−22	+ 8	− 4	+ 3	+ 4	+30	−26	−18		2	−1.19
80683	16 28 21.31	−31 07 49.6	8.70	H	247.088 776 28	−31.130 432 74		34.17	−40.15	−159.63	1.08	0.65	1.23	1.24	0.82	−12	−37	−10	+ 2	+ 5	+21	+16	+41	−27	−21		0	0.95
80684	16 28 24.17	+15 25 52.7	7.33	H	247.100 704 04	+15.431 318 83		1.99	−8.25	−7.89	0.69	0.58	0.97	0.89	0.82	+16	−30	−25	+27	− 7	−17	− 4	+31	−26	+12		0	0.81
80685	16 28 25.19	−24 45 00.4	7.51	G	247.104 976 85	−24.750 119 93		13.33	−52.34	−64.15	0.82	0.61	0.93	0.92	0.74	−26	−27	−22	+15	−18	+24	− 8	+47	−16	−39		0	1.48
80686	16 28 27.80	−70 05 04.8	4.90	1 G	247.115 838 52	−70.084 670 12		82.61	199.89	110.77	0.29	0.43	0.57	0.31	0.51	+14	−10	− 5	− 7	−16	−12	−18	− 9	+ 2	+16		3	2.55
80687	16 28 28.17	−13 23 58.7	6.89	H	247.117 389 99	−13.399 643 64		16.87	−37.09	1.45	0.91	0.51	0.96	0.97	0.74	−23	−34	− 1	+25	− 3	+ 8	+ 9	+50	−22	−23		0	0.81
80688	16 28 28.51	+22 08 51.3	9.65	H	247.118 802 90	+22.147 593 50		0.46	−10.53	−8.16	1.02	1.03	1.56	1.03	1.17	+ 5	−35	−20	−14	− 2	+ 9	− 1	+24	+ 0	+ 1		1	0.94
80689	16 28 29.60	+58 14 18.7	8.10	H	247.123 312 78	+58.238 540 77		4.98	7.43	−56.06	0.66	0.59	0.67	0.78	0.72	+ 4	−17	−12	+ 7	+ 2	+ 8	+ 4	+12	− 7	+ 9		1	1.74
*80690 H	16 28 32.05	+56 44 07.8	9.44	H	247.133 529 56	+56.735 506 57	A	3.96	5.90	3.79	3.07	3.01	2.03	2.36	2.41	+22	+13	−10	+ 0	− 4	+ 8	− 2	+ 3	+ 7		4	0.97
*80691	16 28 31.83	+29 04 32.4	7.24	H	247.132 644 88	+29.075 670 70		5.78	−14.56	14.07	0.43	0.55	0.77	0.50	0.69	+12	− 2	−17	+14	+12	−14	+11	− 7	+ 7	+12		0	−1.77
80692	16 28 32.88	+39 46 35.9	8.79	G	247.137 001 57	+39.776 646 52		1.43	−15.01	8.46	0.75	0.81	0.95	0.92	0.95	+13	− 1	−10	−15	+ 4	+12	+ 5	+13	+ 0	+14		0	−2.47
80693	16 28 33.98	+00 39 54.6	5.41	H	247.141 572 01	+00.665 167 17		7.72	6.97	−67.95	0.80	0.66	0.87	0.88	0.82	−23	−37	−18	+28	−16	+ 6	−10	+38	− 7	−40		0	−1.75
80694	16 28 34.20	−02 18 36.1	8.74	H	247.142 482 26	−02.310 040 07		2.23	−10.96	−0.45	1.40	1.56	1.74	1.92	2.10	−18	−15	−55	+44	−25	+15	− 6	+59	−29	−61		0	0.82
80695	16 28 34.28	+01 35 12.8	6.93	H	247.142 847 23	+01.586 884 59		3.95	16.96	−5.50	0.91	0.72	0.95	1.02	0.92	−16	−25	+13	+35	+ 3	+ 9	+ 1	+33	+ 7	−26		0	−0.47
80696	16 28 35.03	−56 40 41.6	8.82	G	247.145 959 26	−56.678 214 41		11.24	100.89	−6.03	0.87	0.77	1.22	1.00	0.91	+21	−11	+15	+35	+36	− 6	+36	+54	− 4	+32		0	0.54
80697	16 28 35.05	+49 24 56.0	9.12	H	247.146 049 49	+49.415 554 36		1.63	7.20	10.74	0.69	0.69	0.83	0.72	0.67	− 1	− 6	+11	+ 4	+ 1	−17	+ 3	−11	−17	− 2

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
80601	10.146	0.019	9.697	0.020		0.424	0.025	T	0.49	0.03	L	9.7583	0.0023	0.030	209		9.69	9.81					1							
80602	8.563	0.008	8.043	0.008		0.491	0.015	G	0.56	0.02	H	8.1030	0.0014	0.013	176		8.08	8.12					1							S
80603	9.434	0.017	8.706	0.014	*	0.654	0.017	T	0.72	0.01	L	*	8.7385	0.0285	0.128	92	*	8.63	8.92	0.36	P 1 A	16274−3729	I 1	2 C S B	AB	297	0.200	0.027	0.35	0.37	
80604	11.891	0.112	10.411	0.049		1.246	0.096	T	1.20	0.09	L		10.5060	0.0033	0.034	114		10.42	10.58					1 S							G
80605	8.949	0.010	8.298	0.009		0.604	0.011	T	0.67	0.01	L		8.3627	0.0018	0.020	168		8.33	8.40					1							
80606	6.644	0.003	6.670	0.003		−0.019	0.004	T	0.00	0.00	L		6.6789	0.0007	0.010	270		6.66	6.69					1							S
80607	7.103	0.006	7.018	0.007		0.083	0.007	G	0.07	0.01	L		7.0361	0.0016	0.010	94		7.02	7.05					1							S
80608	9.404	0.024	8.687	0.020		0.645	0.024	T	0.71	0.02	L		8.7159	0.0035	0.017	41		8.68	8.74		C			1							
80609	10.428	0.041	9.690	0.036		0.637	0.015	G	0.70	0.01	H		9.7459	0.0026	0.017	73		9.72	9.78		C			1							
80610	8.555	0.015	6.580	0.007		1.638	0.013	T	1.66	0.01	L		6.4582	0.0022	0.014	51		6.43	6.48		U 2			1 S							S
80611	8.977	0.015	8.446	0.014		0.499	0.027	G	0.63	0.02	A		8.4946	0.0013	0.015	134		8.47	8.52					1							
80612						1.448	0.009	G	1.80	0.04	I		10.8830	0.0071	0.035	41		10.83	10.96		C			1							G
80613	9.007	0.012	7.445	0.006		1.311	0.011	T	1.27	0.01	L		7.4743	0.0012	0.011	133		7.45	7.50		C			1							S
80614	8.224	0.008	8.207	0.011		0.024	0.015	G	0.04	0.01	H		8.2227	0.0013	0.013	114		8.20	8.24					1							
80615	9.219	0.014	7.829	0.008		1.176	0.013	T	1.14	0.01	L		7.8703	0.0012	0.010	119		7.85	7.89		C			1							
80616	12.693	0.405	11.080	0.156	A	1.150	0.015	G	1.25	0.03	I	*	10.8713	0.0068	0.044	48	*	10.63	10.94			16276−0335	M 1	2 C B	AB	84	3.362	0.045	2.24	0.17	G
80617	10.833	0.145	10.028	0.104		0.549	0.020	G	0.62	0.02	H		10.0377	0.0036	0.017	51		10.01	10.08		C			1							
80618	9.579	0.036	9.428	0.042		0.145	0.052	T	0.16	0.05	L		9.4566	0.0038	0.015	30		9.42	9.47					1							
80619	11.670	0.074	10.399	0.039		1.082	0.065	T	1.04	0.05	L		10.5114	0.0028	0.030	117		10.45	10.57					1							G
80620	7.482	0.012	5.449	0.008		1.721	0.012	T	2.27	0.07	O		5.2899	0.0104	0.040	47		5.22	5.33		U 2 C			1 S							S P
80621	8.686	0.009	8.222	0.009		0.450	0.010	T	0.52	0.01	L		8.2715	0.0014	0.014	132		8.25	8.29		C			1							
80622	8.895	0.011	8.426	0.011		0.420	0.015	G	0.49	0.02	H		8.4825	0.0014	0.017	170		8.45	8.51					1							S
80623	9.566	0.018	8.592	0.014		0.855	0.017	T	0.87	0.01	L		8.6572	0.0019	0.017	98		8.64	8.69					1							
80624	8.685	0.010	7.400	0.006		1.093	0.009	T	1.05	0.01	L		7.4471	0.0013	0.012	131		7.43	7.47					1							S
80625	8.983	0.011	8.353	0.010	A	0.600	0.042	G	0.64	0.02	L	*	8.3256	0.0018	0.019	166	–	8.30	8.36		D	16278+2054	I 1	3 C C							S G
80626	8.113	0.006	8.134	0.007	*	−0.015	0.008	T	0.01	0.01	L	*	8.1288	0.0012	0.014	183	*	8.11	8.16		D	16278−7305	I 1	2 C A	AB	55	0.316	0.003	0.57	0.04	S
80627	9.307	0.016	9.354	0.023		−0.038	0.025	T	−0.02	0.03	L		9.3626	0.0032	0.030	129		9.32	9.41					1							
80628	4.864	0.004	4.657	0.003	*	0.185	0.002	G	0.20	0.02	A	*	4.6837	0.0006	0.004	55	*	4.67	4.70		D	16278−0822	I 1	2 C B	AB	209	0.458	0.037	4.12	0.16	S
80629	8.737	0.010	8.165	0.009	*	0.548	0.015	G	0.62	0.01	H	*	8.2340	0.0014	0.014	136	*	8.21	8.26		C	16278−4118	H 1	2 C S B	AB	166	0.145	0.024	1.80	0.50	
80630						0.708	0.001	G	0.76	0.00	H											16278−0104	I 1	S							G
80631	9.232	0.013	8.768	0.013		0.508	0.015	G	0.58	0.02	H		8.8228	0.0015	0.011	97		8.80	8.85					1							
80632	10.666	0.045	9.962	0.039		0.651	0.020	G	0.71	0.02	H		10.0293	0.0022	0.019	82		10.00	10.06		C			1							G
80633	9.073	0.012	8.745	0.013	A	0.300	0.495	G	0.26	0.05	L	*	8.6861	0.0019	0.021	160	*	8.64	8.73		D	16279−6440	I 1	2 C A	AB	127	2.459	0.017	2.30	0.05	
80634	10.919	0.044	10.303	0.040		0.571	0.044	T	0.64	0.04	L		10.3386	0.0045	0.042	129		10.28	10.43		U			1							
80635	9.848	0.017	9.273	0.016	A	0.542	0.020	G	0.62	0.02	H		9.3257	0.0091	0.024	169	A	9.29	9.37			16279−6622	I 1	2 C D	AB	286	12.365	0.065	3.79	0.29	D
80636	10.200	0.032	9.435	0.027		0.682	0.032	T	0.74	0.03	L		9.5076	0.0049	0.035	82		9.45	9.55	1.28	P 1 A			1							
80637	10.059	0.044	8.548	0.023		1.271	0.039	T	1.23	0.04	L		8.5718	0.0028	0.016	46		8.54	8.62		U			1							
80638	7.177	0.003	7.211	0.004		−0.026	0.005	T	0.00	0.01	L		7.2166	0.0008	0.011	288		7.20	7.24					1							S
80639	8.509	0.009	8.064	0.009		0.441	0.015	G	0.51	0.02	H		8.1187	0.0013	0.016	158		8.09	8.15					1							S
80640	8.821	0.016	8.698	0.019	*	0.119	0.023	T	0.13	0.02	L	*	8.7000	0.0035	0.040	139	*	8.57	8.74		U 2	16279−5951	I 1	2 C A	AB	265	0.354	0.008	1.54	0.08	
80641	7.232	0.011	6.989	0.010	A	0.100	0.495	G	0.25	0.04	L	*	6.9492	0.0009	0.010	210	*	6.93	6.97		D	16279+2559	I 1	2 C A	AB	197	1.173	0.004	0.81	0.01	S
80642	9.445	0.014	7.853	0.007		1.334	0.012	T	1.30	0.01	L		7.8384	0.0013	0.013	139		7.81	7.86		C			1							
80643	10.177	0.027	9.429	0.022		0.667	0.020	G	0.73	0.02	H		9.4805	0.0023	0.024	108		9.43	9.52					1							
80644	10.435	0.029	8.994	0.015		1.253	0.021	G	1.39	0.02	A		8.9407	0.0014	0.013	144		8.92	8.97		C			1							
80645	5.702	0.005	5.329	0.004		0.383	0.003	G	0.45	0.00	H		5.3687	0.0036	0.031	129		5.31	5.40	1.46	P 1 A	16280−6403	I 1	1							S
80646	9.193	0.010	8.282	0.008		0.808	0.010	T	0.83	0.01	L		8.3338	0.0014	0.019	233		8.30	8.38					1							S
80647	8.538	0.010	8.100	0.010		0.420	0.020	G	0.49	0.02	H		8.1319	0.0014	0.013	128		8.11	8.16		C			1							S
80648	8.249	0.008	6.994	0.005		1.070	0.007	T	1.03	0.01	L		7.0358	0.0005	0.006	158		7.02	7.05					1							S
80649	9.969	0.024	9.240	0.021		0.654	0.024	T	0.72	0.02	L		9.2774	0.0021	0.022	119		9.24	9.31		C	16280−5337	I 1	1							
80650	4.905	0.003	4.955	0.002		−0.051	0.006	G	0.02	0.03	C		4.9477	0.0005	0.005	106		4.94	4.96		C			1							S
80651	8.822	0.009	7.742	0.006		0.934	0.008	T	0.93	0.01	L		7.7991	0.0013	0.014	186		7.77	7.83					1							
80652	9.044	0.014	7.185	0.007		1.545	0.012	T	1.61	0.03	L		7.1145	0.0010	0.012	135		7.09	7.13					1							S
80653	10.514	0.031	9.757	0.025		0.691	0.031	T	0.75	0.03	L		9.7367	0.0019	0.021	126		9.70	9.77		C			1							G
80654	9.488	0.014	8.057	0.008		1.208	0.013	T	1.17	0.01	L		8.0846	0.0014	0.016	157		8.06	8.11					1							
80655	9.158	0.015	8.364	0.013		0.704	0.015	T	0.76	0.01	L		8.4334	0.0014	0.012	89		8.42	8.46		C			1							
80656	8.615	0.010	7.420	0.007	A	1.020	0.015	G	0.99	0.01	L	*	7.4623	0.0011	0.009	112	*	7.45	7.48		D	16280+5136	I 1	2 C C	AB	233	3.012	0.029	3.82	0.17	S
80657	8.220	0.009	8.116	0.011		0.101	0.013	T	0.11	0.01	L		8.1268	0.0015	0.015	113		8.10	8.16		C			1							S
80658	9.298	0.015	8.713	0.014		0.548	0.015	T	0.62	0.01	L		8.7724	0.0016	0.014	123		8.75	8.80		C			1							
80659	12.756	0.245	9.705	0.021		3.430	0.500	G	3.45	0.51	J		9.2725	0.0066	0.093	148		9.07	9.33		U 2			1 S							G
80660	9.268	0.017	8.914	0.018		0.364	0.015	G	0.43	0.02	H		8.9713	0.0019	0.018	118		8.94	9.00					1							
80661	8.427	0.008	8.424	0.010	*	0.007	0.012	T	0.03	0.01	L	*	8.4079	0.0013	0.015	147	*	8.38	8.44		D	16281−5116	H 1	2 C S A	AB	77	0.186	0.011	0.44	0.40	
80662	9.718	0.021	9.258	0.021		0.410	0.020	G	0.48	0.02	H		9.3047	0.0026	0.020	88		9.26	9.33		C			1							
80663	10.730	0.035	10.176	0.033		0.519	0.043	T	0.59	0.04	L		10.3148	0.0033	0.030	144		10.26	10.37			16281−4654	I 1	1 S							G
80664	10.497	0.027	9.751	0.023		0.667	0.027	T	0.73	0.02	L		9.8209	0.0022	0.025	146		9.78	9.87		C			1							G
80665	10.788	0.027	9.933	0.020		0.750	0.026	T	0.79	0.02	L		10.0068	0.0019	0.033	293		9.94	10.06					1							
80666	9.245	0.014	8.181	0.010	*	0.922	0.013	T	0.92	0.01	L	*	8.2220	0.0018	0.015	119	*	8.19	8.25		D	16282+7614	I 1	2 C A	AB	229	0.928	0.013	2.96	0.06	S
80667	9.063	0.031	8.510	0.030	*	0.518	0.038	T	0.59	0.04	L	*	8.9308	0.0020	0.021	110	*	8.90	8.97		D	16282+6041	I 1	2 C A	AB	87	1.409	0.007	0.66	0.02	S
80668	8.881	0.010	8.563	0.011		0.321	0.015	G	0.37	0.02	H		8.6072	0.0019	0.017	135		8.58	8.64		C			1							S
80669	10.471	0.038	10.007	0.040		0.470	0.015	G	0.54	0.02	H		10.0041	0.0026	0.028	117		9.97	10.07		C			1							
80670	10.891	0.043	9.297	0.017		1.336	0.036	T	1.30	0.04	L		9.3149	0.0019	0.023	165		9.27	9.36					1							
80671	9.952	0.019	8.753	0.012		1.040	0.020	G	1.01	0.02	H		8.7874	0.0012	0.016	154		8.76	8.81		C			1							
80672	7.233	0.005	5.917	0.003		1.104	0.004	G	1.07	0.00	L		5.9583	0.0006	0.005	102		5.95	5.97		C			1							S
80673	7.218	0.006	6.992	0.006		0.189	0.004	G	0.21	0.01	H		7.0350	0.0007	0.007	88		7.02	7.05		C			1 G							S
80674	8.412	0.008	8.388	0.010		0.022	0.011	T	0.04	0.01	L		8.4080	0.0013	0.013	147		8.39	8.43					1							
80675	5.678	0.002	5.674	0.003		0.008	0.003	T	0.03	0.00	L		5.6849	0.0005	0.005	121		5.68	5.70		C			1							S
80676	9.974	0.022	8.952	0.016		0.891	0.020	T	0.90	0.01	L		9.0226	0.0024	0.022	106		8.99	9.08					1							
80677	7.670	0.010	7.236	0.009	*	0.441	0.015	G	0.51	0.02	H	*	7.2817	0.0011	0.009	75	*	7.27	7.31		D	16283−1613	I 1	2 C A	AB	51	0.264	0.008	1.18	0.07	S
80678	7.747	0.007	7.719	0.007		0.026	0.009	T	0.04	0.01	L		7.7334	0.0010	0.012	138		7.71	7.75					1							S
80679						0.735	0.055	G	0.78	0.05	H		11.4722	0.0041	0.041	110		11.39	11.54					1 X							G
80680	8.364	0.010	7.763	0.008		0.560	0.009	T	0.63	0.01	L		7.8138	0.0013	0.011	142		7.80	7.84					1							S
80681	9.536	0.012	9.010	0.012		0.494	0.015	T	0.57	0.02	L		9.0738	0.0017	0.024	212		9.04	9.11		C			1							S
80682	8.528	0.009	6.705	0.005		1.517	0.008	T	1.55	0.01	L		6.5670	0.0013	0.011	102		6.55	6.58					1 S							S
80683	10.017	0.027	8.868	0.017		0.980	0.025	T	1.02	0.02	L		8.8468	0.0013	0.011	98		8.82	8.87		C			1							
80684	8.581	0.010	7.433	0.007		0.986	0.010	T	0.97	0.01	L		7.4952	0.0013	0.011	112		7.48	7.51					1							S
80685	7.982	0.011	7.583	0.013		0.408	0.002	G	0.47	0.00	H		7.6090	0.0010	0.008	81		7.60	7.63		C			1							S
80686	5.575	0.002	4.970	0.002		0.555	0.016	G	0.64	0.02	A		5.0212	0.0005	0.006	238		5.01	5.03		M			1							S
80687	8.103	0.008	7.002	0.005		0.950	0.007	T	0.94	0.01	L		7.0556	0.0009	0.009	133		7.04	7.07		C			1							S
80688	11.484	0.061	9.745	0.022		1.450	0.051	T	1.45	0.08	L		9.7842	0.0021	0.030	135		9.72	9.83					1 S							
80689	9.434	0.016	8.211	0.010		1.045	0.015	T	1.02	0.01	L		8.2678	0.0012	0.013	110		8.24	8.29					1							S
80690	9.922	0.035	9.432	0.035	*	0.461	0.045	T	0.53	0.05	L	*	9.5480	0.0033	0.027	114	*	9.51	9.61		R	16285+5644	I 1	2 C A	AB	247	3.725	0.006	0.07	0.02	
80691	7.378	0.005	7.255	0.005		0.119	0.007	T	0.13	0.01	L		7.2859	0.0008	0.008	161		7.27	7.30					1							S
80692	9.860	0.020	8.906	0.015		0.840	0.015	G	0.86	0.01	H		8.9494	0.0021	0.018	109		8.92	8.98		C			1							
80693	7.313	0.011	5.559	0.005		1.461	0.005	G	1.52	0.04	E		5.5359	0.0014	0.006	43		5.52	5.54					1							S
80694	11.160	0.100	9.009	0.031		1.778	0.084	T	1.81	0.09	L		8.8363	0.0048	0.023	43		8.79	8.86					1							
80695	8.191	0.010	7.042	0.007		0.987	0.010	T	0.97	0.01	L		7.0947	0.0016	0.010	47		7.08	7.12		C			1							
80696	9.550	0.015	8.908	0.014		0.576	0.004	G	0.65	0.00	H		8.9488	0.0016	0.017	133		8.92	8.98					1							
80697	10.357	0.027	9.208	0.017		0.987	0.025	T	0.97	0.02	L		9.2824	0.0017	0.016	122		9.25	9.31		C			1							
80698	10.584	0.053	10.467	0.071		0.114	0.084	G	0.13	0.09	H		10.5416	0.0097	0.046	56		10.48	10.64		U			1							G
80699	10.388	0.035	9.586	0.028		0.710	0.034	T	0.76	0.03	L		9.6358	0.0018	0.017	85		9.61	9.66		C			1							
80700	9.832	0.034	8.892	0.025		0.770	0.005	G	0.81	0.01	H		8.9468	0.0024	0.014	49		8.92	8.97		C			1							

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors $\alpha*$ mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)	Soln F1 %	F2
1 2	3	4	5 6	7	8	9 10	11	12	13	14	15	16	17	18	19 20 21 22 23 24 25 26 27 28	29	30
80701	16 28 36.48	+16 45 23.5	9.15	H	247.151 979 22	+16.756 533 59	6.09	29.94	−12.75	1.11	1.02	1.37	1.74	1.41	+ 8 − 5 + 0 +43 − 4 +15 − 3 +53 − 7 +21	0	0.77
80702	16 28 37.82	−38 22 33.8	8.95	H	247.157 580 00	−38.376 058 27	4.89	−2.13	−3.70	1.35	1.02	1.42	1.52	1.37	−53 −18 − 7 +30 −42 − 3 −36 +77 −24 −52	0	−0.30
80703	16 28 37.88	+19 01 07.0	7.25	H	247.157 815 09	+19.018 615 19	3.25	23.62	5.52	0.62	0.53	0.87	0.63	0.62	+36 −36 −31 + 9 +10 + 1 +18 +25 −18 +24	0	1.19
80704	16 28 38.52	+41 52 54.1	4.83	2 H	247.160 520 50	+41.881 690 65	9.03	29.15	−5.51	0.50	0.50	0.61	0.57	0.60	+14 −18 −17 + 9 +15 −12 +13 − 6 +14 +28	0	1.44
80705	16 28 38.56	+39 04 56.6	9.49	H	247.160 667 59	+39.082 386 40	6.01	−18.06	2.31	0.85	0.88	1.05	0.89	1.04	+27 −15 −16 − 4 − 2 −13 − 6 − 1 + 6 +23	3	0.42
80706 H	16 28 39.42	−57 44 58.8	12.30	G	247.164 248 82	−57.749 667 63 A	26.14	−69.82	−132.74	3.00	2.73	3.73	2.67	2.76	+ 3 −13 − 5 +20 +18 −12 +18 +31 −21 +27	0	−0.34
80707	16 28 41.34	−63 08 36.4	8.82	2 H	247.172 229 31	−63.143 447 22	1.62	6.73	7.14	0.70	0.88	1.14	0.96	1.12	−23 + 3 −22 +18 −24 +25 −20 +60 −22 −25	0	−0.04
80708	16 28 42.35	+00 03 18.3	6.46	H	247.176 465 94	+00.055 093 53	10.89	−61.70	−98.11	1.03	0.74	1.04	1.22	0.93	− 3 −45 −28 +27 −10 + 2 − 7 +41 − 5 −17	0	−1.61
80709	16 28 43.00	+51 45 03.7	7.67	H	247.179 181 48	+51.751 041 57	4.82	−8.16	7.29	0.57	0.59	0.63	0.63	0.67	+17 − 4 − 5 − 9 − 1 − 8 − 1 − 1 − 5 +21	1	0.02
80710	16 28 43.41	+51 24 27.8	6.31	H	247.180 887 09	+51.407 720 92	8.33	34.22	7.09	0.48	0.47	0.52	0.51	0.52	+14 − 6 − 3 − 7 + 0 − 1 + 0 − 3 − 6 +15	0	−1.36
80711	16 28 44.58	−17 28 39.0	9.08	H	247.185 758 69	−17.477 507 73	8.53	−13.07	−37.03	1.13	0.68	1.19	1.33	0.93	−26 −26 + 8 − 5 +16 + 8 +18 +18 − 8 −19	0	−2.20
80712	16 28 45.51	−17 59 05.9	7.18	H	247.189 636 45	−17.984 974 90	6.41	18.18	−6.71	0.82	0.57	0.88	1.01	0.78	−25 −16 −12 +22 − 3 + 1 + 3 +36 − 5 −39	0	−0.24
80713	16 28 45.60	+13 36 44.9	7.55	H	247.190 009 57	+13.612 482 02	9.00	6.13	7.99	0.80	0.60	1.06	1.36	1.00	+ 6 − 7 − 2 +34 − 5 −21 − 6 +48 −33 +38	0	−0.50
80714	16 28 46.23	−35 41 24.0	7.89	2 H	247.192 623 17	−35.689 998 26	0.79	−6.76	−9.69	1.05	0.64	1.19	1.28	0.87	−12 −21 −11 +22 + 6 +27 +17 +52 −37 −21	0	0.39
80715	16 28 47.75	−46 47 38.4	10.02	H	247.198 960 33	−46.793 992 62	4.05	17.91	−42.91	1.94	1.34	2.42	2.26	1.83	+ 2 −35 −35 − 7 − 9 + 9 + 5 +63 −30 −14	0	−1.42
80716	16 28 48.31	−34 34 05.2	9.15	H	247.201 297 08	−34.568 100 43	1.59	−3.22	−8.61	1.17	0.69	1.30	1.12	0.87	−21 −37 + 6 − 4 +11 +19 +24 +25 −28 −29	0	−1.27
80717	16 28 48.57	−05 26 43.9	8.58	H	247.202 374 77	−05.445 523 70	4.76	1.34	3.05	1.13	0.87	1.22	1.45	1.16	−12 − 2 −18 +19 +27 + 2 +26 − 5 +27 −19	0	1.95
80718	16 28 48.80	+08 24 03.9	7.70	H	247.203 337 03	+08.401 079 27	3.85	7.55	−5.21	0.82	0.66	1.02	0.91	0.91	−62 −24 +20 +48 −39 − 2 −53 +73 + 6 −27	0	−0.43
80719 H	16 28 48.99	−08 07 43.2	6.49	G	247.204 115 33	−08.128 672 61 A	21.55	−55.59	−69.96	1.20	0.90	1.18	1.18	0.94	−32 −36 −12 +17 −21 + 9 −14 +36 −15 −36	2	0.80
80720	16 28 49.76	+04 02 11.6	9.27	G	247.207 328 36	+04.036 562 32	3.64	5.39	3.19	1.53	1.38	1.37	1.64	1.58	−56 −16 −18 +61 −47 + 7 −41 +63 −21 −57	0	1.92
80721	16 28 49.89	−44 48 45.4	7.32	2 H	247.207 866 03	−44.812 610 43	2.19	−2.33	−0.72	0.85	0.54	1.00	0.79	0.67	−14 −52 −17 + 8 −22 +16 + 1 +59 −29 −35	0	−0.65
80722	16 28 50.67	+04 47 37.1	8.58	H	247.211 143 41	+04.793 643 65	13.40	−18.47	−72.03	1.23	1.03	1.31	1.22	1.29	−12 −44 − 9 +49 −11 − 2 − 3 +57 − 9 −32	3	0.87
80723	16 28 51.73	+45 57 23.7	10.90	H	247.215 538 81	+45.956 577 06	0.73	2.11	−2.70	1.28	1.37	1.58	1.49	1.50	+ 5 + 3 −28 + 1 + 5 − 7 + 2 −19 + 2 − 1	3	0.96
80724	16 28 52.80	−10 20 03.1	8.64	H	247.219 995 62	−10.334 199 76	6.10	−29.58	−42.78	1.01	0.61	1.08	1.37	1.01	−22 −10 −17 − 4 + 9 − 7 +19 +24 − 4 −42	0	−0.06
80725 H	16 28 52.88	+18 24 47.2	6.98	H	247.220 326 52	+18.413 116 55 A	51.20	−345.93	385.98	1.66	1.28	1.49	1.56	1.36	+22 − 6 − 2 − 5 +24 + 7 +23 +16 + 9 +57	14	1.35
80726	16 28 53.00	−67 29 00.4	8.23	H	247.220 829 10	−67.483 455 68	1.41	6.09	−0.23	0.64	0.72	1.12	0.73	0.90	+13 −22 −10 −39 + 5 + 3 + 4 − 1 +26 + 2	0	−0.76
80727	16 28 53.39	−77 37 54.1	9.17	H	247.222 469 07	−77.631 699 02	2.83	−2.71	7.74	0.81	0.88	1.16	0.80	0.97	+16 −33 + 1 −17 −22 +15 −23 − 1 +12 + 5	0	−0.18
80728	16 28 53.63	−48 01 23.5	10.42	H	247.223 445 25	−48.023 204 61	4.78	10.04	−8.51	2.35	1.25	2.86	3.00	1.97	+40 −40 −30 +11 +28 − 3 +39 +67 −43 +34	0	−0.52
*80729	16 28 55.35	+56 36 16.6	8.23	H	247.230 634 41	+56.604 612 16	2.91	−0.29	−36.54	0.68	0.66	0.72	0.90	0.77	+19 −13 −16 −14 + 2 + 7 + 2 + 9 −13 +25	0	0.51
*80730	16 28 55.32	+48 58 31.7	8.44	H	247.230 512 37	+48.975 465 08	0.79	−9.44	−21.91	0.65	0.63	0.77	0.72	0.64	+ 0 − 2 +12 + 1 + 7 −11 + 8 − 9 −21 + 1	1	0.14
80731	16 28 55.89	−43 27 30.0	8.54	G	247.232 889 80	−43.458 321 23	9.80	5.39	−29.70	0.95	0.64	1.03	1.06	0.85	− 5 −21 −10 +18 − 9 + 7 + 0 +61 −21 −16	0	−1.80
80732	16 28 56.76	−37 10 12.0	9.18	H	247.236 491 76	−37.170 000 72	3.07	−2.59	−3.77	1.19	0.86	1.41	1.31	1.22	−31 −23 −25 + 1 −37 +16 − 9 +69 −40 −57	0	0.96
80733	16 28 57.33	−68 25 04.6	8.95	H	247.238 893 37	−68.417 947 18	5.38	1.94	−15.63	0.57	0.88	1.20	0.73	0.99	+ 7 −11 − 6 − 5 + 1 −23 − 3 − 9 +21 − 6	0	−0.16
80734	16 28 58.51	+22 53 41.8	7.50	H	247.243 798 45	+22.894 955 63	5.76	2.28	−6.13	0.59	0.57	0.88	0.63	0.71	+17 −19 −18 −30 −10 + 7 −10 + 8 − 9 +19	0	0.24
80735	16 28 58.83	−29 02 56.9	9.97	H	247.245 113 72	−29.049 127 10	7.33	32.76	−29.17	1.45	1.03	1.82	1.43	1.29	−23 −21 −27 − 1 −25 + 6 − 9 +48 −45 −38	5	−0.19
80736	16 28 59.05	−24 32 15.0	7.57	G	247.246 039 13	−24.537 513 06	15.25	−76.63	−195.66	0.91	0.65	1.05	1.12	0.81	−32 −31 −11 + 7 − 4 +34 + 4 +40 −18 −35	0	0.78
80737	16 28 59.21	+48 13 08.8	8.67	H	247.246 718 35	+48.219 124 86	2.09	0.03	18.94	0.73	0.66	0.81	0.89	0.71	+ 2 +11 − 4 −11 − 2 + 1 − 1 + 3 − 7 − 6	0	−1.57
80738	16 29 01.31	+64 47 11.2	7.68	H	247.255 442 48	+64.786 451 88	16.22	−140.63	113.37	0.56	0.58	0.61	0.55	0.65	+12 −21 −21 −10 + 8 −15 + 6 +12 − 7 +13	1	0.96
80739	16 29 03.39	+07 35 02.6	8.75	H	247.264 115 58	+07.584 051 83	3.02	−1.91	−22.53	0.94	0.80	1.33	1.00	0.93	−56 −37 +21 +37 −47 − 4 −57 +65 +11 −21	0	0.32
80740	16 29 03.70	−70 30 08.3	9.22	H	247.265 405 94	−70.502 303 51	−0.18	−12.24	−8.72	0.58	0.98	1.24	0.64	1.15	+14 −17 + 0 +15 − 4 −14 − 7 +13 + 9 +29	1	2.35
80741	16 29 05.20	−80 05 49.4	9.23	G	247.271 655 61	−80.097 064 22	12.27	−194.17	−127.97	0.70	0.76	0.93	0.71	0.86	+ 4 −26 − 3 +12 − 9 −13 −10 + 8 − 1 − 6	0	−0.54
80742	16 29 06.42	+60 38 23.6	8.34	G	247.276 750 18	+60.639 893 48	20.00	−96.97	54.13	0.61	0.65	0.68	0.68	0.76	+11 + 3 −24 − 9 + 4 − 5 + 4 − 6 +17 +11	2	−0.61
80743	16 29 06.99	+50 45 59.1	8.12	H	247.279 104 56	+50.766 403 09	11.33	37.62	−2.22	0.60	0.60	0.67	0.71	0.68	+15 − 8 −13 + 3 − 5 +10 − 4 − 3 −12 + 2	1	−0.43
80744	16 29 09.26	+13 16 08.0	10.61	H	247.288 575 10	+13.268 895 49	−1.28	−1.74	5.16	1.47	1.02	2.06	2.92	1.83	+ 9 −21 − 7 +35 − 2 −13 + 4 +42 −29 +49	0	2.81
80745	16 29 09.58	−05 27 04.1	8.65	H	247.289 918 13	−05.451 127 00	4.16	−1.83	3.90	1.16	0.86	1.24	1.45	1.12	+ 1 −10 −19 +28 +33 − 6 +27 + 0 +32 − 8	0	1.03
80746	16 29 09.70	−41 37 29.4	9.19	H	247.290 416 02	−41.624 843 03	3.62	−1.70	−1.59	1.24	0.75	1.42	1.38	1.07	−21 −27 −11 −18 − 7 +10 + 9 +49 −29 −35	0	1.70
80747	16 29 10.57	+30 05 10.2	11.18	H	247.294 055 12	+30.086 176 72	2.34	3.93	−7.67	2.53	2.88	3.97	2.93	3.45	+ 8 − 6 −14 + 0 +15 − 7 +15 −17 +16 +16	0	
80748	16 29 12.12	+35 38 01.9	7.93	H	247.300 487 78	+35.633 869 42	0.49	6.31	−22.59	0.57	0.60	0.79	0.61	0.69	+ 9 +10 −23 +20 + 2 +10 + 2 +23 −23 + 2	0	0.89
80749	16 29 14.16	+41 43 23.3	10.12	H	247.309 001 51	+41.723 136 38	1.16	−4.46	−6.31	1.10	1.15	1.27	1.42	1.37	+16 − 6 −14 +20 +23 − 7 +22 + 9 + 5 +27	1	1.13
80750	16 29 14.18	−35 28 20.7	8.65	H	247.309 067 86	−35.472 420 80	2.21	13.94	2.09	1.40	0.74	1.38	1.67	1.00	+17 −26 + 1 +35 +35 +26 +42 +54 −25 +13	0	1.09
80751	16 29 14.39	+23 46 36.8	10.07	G	247.309 978 04	+23.776 880 17	29.98	−60.92	−324.45	1.28	1.08	1.74	1.23	1.23	+39 − 2 − 1 −52 − 3 −15 −13 − 3 −17 +62	2	1.55
80752	16 29 15.13	−71 07 26.0	7.25	H	247.313 023 01	−71.123 897 78	7.29	−40.28	−27.88	0.41	0.58	0.76	0.43	0.72	+12 −22 +13 − 7 − 1 + 1 − 1 +11 − 9 +22	1	0.07
80753	16 29 15.95	−27 22 31.3	9.60	H	247.316 441 81	−27.375 359 26	12.80	22.37	−74.03	1.38	0.95	1.50	1.73	1.22	−25 −12 − 9 +14 + 4 − 4 + 3 +38 − 8 −18	0	1.60
80754	16 29 17.71	−82 53 04.0	9.84	G	247.323 776 64	−82.884 431 26	8.56	−117.27	−130.65	0.79	0.92	1.02	0.93	1.09	− 1 −11 + 7 + 1 −22 −13 −20 − 2 −10 − 9	0	−1.04
80755	16 29 19.17	−44 28 14.2	9.73	G	247.329 869 12	−44.470 611 11	−1.80	−8.28	−0.41	1.40	0.89	1.55	1.65	1.14	+ 5 −22 −14 +12 +10 +11 +15 +53 −20 + 2	0	1.36
80756	16 29 19.66	−21 34 08.1	8.30	H	247.331 934 53	−21.568 906 14	9.75	−57.55	−6.21	1.14	0.92	1.17	1.43	1.33	−45 − 3 −21 +41 −43 +14 −38 +69 −33 −51	0	−0.91
80757	16 29 19.74	−54 33 15.4	8.95	H	247.332 266 99	−54.554 285 59	7.52	15.03	5.78	0.98	0.79	1.39	1.18	1.04	+16 −24 −20 +53 +25 −12 +33 +71 −39 + 5	0	−0.52
80758	16 29 20.18	−30 57 39.3	9.77	2 H	247.334 069 44	−30.960 923 65	10.34	−17.17	−53.23	1.39	0.85	1.52	1.67	1.07	−16 −31 − 7 + 4 +17 +13 +21 +36 −18 −17	0	1.81
80759	16 29 20.65	−42 01 59.8	9.28	H	247.336 037 95	−42.033 279 41	12.25	−37.13	−42.75	1.32	0.77	1.57	1.47	1.16	− 8 −31 −25 −16 −14 +20 +17 +58 −42 −41	0	−0.25
80760	16 29 22.61	−45 58 49.9	9.84	H	247.344 214 33	−45.980 518 26	2.73	−3.52	−6.67	1.64	1.29	1.98	2.34	1.73	−21 − 5 +11 +13 + 7 +24 − 7 +69 − 1 − 3	0	−0.70
80761	16 29 23.32	+43 00 56.4	7.82	H	247.347 156 92	+43.015 676 72	3.38	−8.52	12.60	0.55	0.57	0.66	0.65	0.78	− 3 −12 −11 + 3 + 0 − 3 − 1 + 2 + 5 −25	0	0.68
80762 H	16 29 23.53	+68 55 52.0	8.89	H	247.348 059 80	+68.931 114 48 A	5.38	−23.78	22.96	1.05	1.07	1.01	0.93	1.25	− 4 −14 −11 − 6 − 1 + 0 − 1 +19 − 5 − 2	0	−0.50
80763	16 29 24.47	−26 25 55.0	1.06	2 H	247.351 948 04	−26.431 946 08	5.40	−10.16	−23.21	1.52	1.08	1.68	2.00	1.34	−30 −10 −11 + 3 +10 −10 + 7 +29 −10 −21	0	
*80764	16 29 25.03	−63 32 27.9	9.46	H	247.354 285 00	−63.541 072 75	12.02	28.44	−41.59	11.05	11.32	16.34	13.94	14.64	+ 0 −12 −32 − 4 −15 + 3 − 7 +28 −20 −23	0	
*80765	16 29 25.06	+10 35 31.5	7.60	G	247.354 434 85	+10.592 071 77 A	5.54	−1.73	−12.01	2.04	1.46	1.84	2.45	1.97	−30 − 2 +12 +61 −26 + 9 −31 +69 − 4 −24	5	2.00
*80766	16 29 24.95	−62 53 54.8	8.04	G	247.353 975 56	−62.898 555 26	7.47	14.79	28.77	0.72	0.79	1.01	0.96	1.06	−14 −15 −17 +29 −25 +16 −16 +65 −20 −26	2	−1.51
80767	16 29 25.37	+10 35 44.6	9.60	G	247.355 691 63	+10.595 718 71 B	8.95	−1.37	−4.79	14.72	10.19	7.85	10.51	9.75	−32 − 4 +19 +50 −29 + 2 −35 +67 + 0 −25	5	2.00
80768	16 29 25.73	−13 34 13.4	7.09	H	247.357 209 77	−13.570 376 84	6.18	13.58	3.06	0.96	0.53	0.99	1.10	0.77	−15 −30 − 2 +20 + 9 − 4 +18 +40 −16 −18	0	2.81
80769	16 29 27.01	+19 30 34.5	10.40	H	247.362 527 91	+19.509 586 08	0.59	−17.75	−2.31	1.20	1.06	1.75	1.36	1.42	+18 −33 −16 +12 + 1 +10 + 1 +19 + 3 +15	0	0.03
80770	16 29 27.62	−33 19 14.3	7.51	H	247.365 065 92	−33.320 629 97	10.18	−41.93	39.71	0.91	0.54	1.09	0.98	0.73	−15 −24 −11 − 9 − 6 − 2 + 6 +40 −40 −21	0	1.74
80771	16 29 28.16	−45 11 52.0	10.40	H	247.367 325 73	−45.197 765 88	6.01	0.83	−8.13	1.83	1.19	2.24	1.93	1.56	−18 −32 − 6 − 2 −11 + 3 + 0 +57 −24 −24	4	1.01
80772	16 29 31.14	−56 47 55.6	8.43	H	247.379 742 52	−56.798 775 57	2.05	−2.41	−1.11	0.86	0.69	1.32	0.97	0.87	+26 −41 −24 +32 +28 −28 +32 +50 −34 +34	0	−1.23
80773	16 29 32.37	+11 56 17.0	8.99	2 H	247.384 866 91	+11.938 054 18	1.17	−19.38	−8.16	1.06	0.82	1.33	1.25	1.19	−29 −31 − 2 +46 −25 + 4 −23 +61 − 5 −28	0	−0.99
80774	16 29 33.01	+68 41 06.3	8.22	H	247.387 527 37	+68.685 070 00	4.24	−3.46	−31.36	0.60	0.67	0.65	0.61	0.83	+ 4 −13 −14 − 3 −17 + 5 −14 +27 −14 − 7	1	0.77
80775	16 29 33.21	+57 13 26.3	8.32	H	247.388 359 60	+57.223 976 79	3.63	6.86	11.30	0.70	0.67	0.74	0.84	0.73	+13 −17 −24 −17 + 4 + 1 + 1 + 4 − 4 +30	1	−1.62
80776 H	16 29 33.96	−16 09 23.3	9.96	H	247.391 503 27	−16.156 460 07 A	7.78	9.16	−20.40	5.32	2.75	4.79	6.23	3.75	−11 −47 − 4 +17 +16 −12 +12 +47 −25 +25	1	2.75
80777	16 29 34.67	+04 34 33.6	7.72	H	247.394 444 91	+04.576 002 27	5.30	−7.12	−16.40	1.05	0.84	1.08	1.59	1.19	− 6 −12 −15 − 2 −27 −25 −32 +36 −20 + 8	7	0.16
80778	16 29 36.73	−27 34 13.8	9.82	G	247.403 026 78	−27.570 488 46	2.89	8.47	1.98	1.37	0.98	1.49	1.73	1.27	−23 −19 −10 +18 + 3 − 7 + 2 +43 − 7 −17	0	1.97
80779	16 29 38.99	−30 04 31.2	9.80	H	247.412 444 86	−30.075 325 73	12.81	−14.36	−11.77	5.29	3.42	5.81	6.97	4.67	−14 −26 − 7 + 4 +13 + 0 +16 −17 −12 − 2		
80780	16 29 39.61	−52 09 16.0	10.37	H	247.415 036 59	−52.154 445 69	−0.99	−4.59	−12.57	1.95	1.14	2.29	2.53	1.52	+28 −14 −10 −15 +11 +10 + 4 +44 − 7 +41	0	2.45
80781	16 29 39.82	+62 05 13.3	10.74	H	247.415 906 48	+62.087 033 43	13.89	35.62	−8.08	1.78	2.03	1.61	2.56	3.06	− 1 −10 −39 −63 − 6 + 9 − 7 −70 +44 + 5	2	−0.34
80782	16 29 42.33	−46 14 35.6	5.35	1 T	247.426 376 88	−46.243 219 37	2.73	−3.42	−3.81	0.80	0.72	0.94	1.14	1.02	−39 − 3 −18 +21 −27 +23 −28 +73 −20 −34	0	−1.43
80783	16 29 42.58	+02 20 02.8	8.03	H	247.427 421 15	+02.334 111 81	5.36	−6.88	−22.83	1.11	0.84	1.13	1.25	1.14	− 3 −24 + 0 +44 + 5 − 4 + 2 +38 +19 −22	0	0.49
80784	16 29 43.20	−18 40 48.8	7.93	G	247.429 981 13	−18.680 208 35	18.58	81.71	−239.19	1.09	0.65	1.18	1.22	0.88	−29 −37 + 4 +19 + 7 − 7 +15 +33 −15 −29	0	−0.75
80785	16 29 44.37	+08 11 46.2	9.09	H	247.434 854 56	+08.196 176 92	−0.11	1.04	−17.32	1.02	0.81	1.33	1.25	1.21	−53 −19 +11 +40 −33 − 8 −45 +68 − 7 −16	0	−0.28
80786	16 29 44.80	−08 27 51.4	10.18	H	247.436 686 27	−08.464 274 11	7.43	9.50	−1.34	1.94	1.09	2.22	1.81	1.53	−26 −45 − 6 +14 −19 −10 − 3 +50 −29 −30	5	1.32
80787	16 29 45.12	+35 12 06.9	7.44	H	247.437 994 59	+35.201 914 05	6.59	−36.13	−8.74	0.48	0.53	0.68	0.50	0.60	− 1 + 0 −21 + 3 + 1 − 5 + 0 +11 −22 − 9	0	0.05
80788	16 29 45.22	−57 45 22.7	6.09	1 H	247.438 426 78	−57.756 317 46	2.13	−2.41	−2.30	0.54	0.45	0.78	0.54	0.55	− 1 −37 −10 +17 + 6 −12 +16 +35 −27 − 3	0	0.58
80789	16 29 45.35	+30 41 40.2	10.24	H	247.438 946 62	+30.694 495 98	11.80	−180.91	112.61	0.92	1.14	1.53	1.00	1.33	+ 9 − 3 − 2 +12 +16 + 7 +17 − 6 +10 + 9	0	−0.13
80790	16 29 45.88	−52 24 17.2	8.08	G	247.441 162 65	−52.404 775 89	0.09	−9.49	3.10	0.94	0.60	1.22	1.19	0.79	+28 −28 −27 −12 + 5 + 3 + 8 +46 −26 +29	0	−1.15
80791	16 29 46.70	+07 44 56.2	6.85	2 H	247.444 563 52	+07.748 943 47	4.42	18.00	−9.36	0.74	0.59	0.96	0.82	0.74	−45 −28 +12 +45 −43 − 1 −47 +66 − 2 −26	0	0.45
80792	16 29 46.86	−41 04 17.3	8.70	H	247.445 235 75	−41.071 463 59	2.97	−3.09	−1.20	1.20	0.71	1.38	1.36	1.00	−27 −33 − 8 −17 + 0 + 9 + 9 +49 −31 −29	0	0.12
80793	16 29 46.90	−14 33 03.2	5.66	G	247.445 428 79	−14.550 897 50	12.18	33.75	7.57	1.05	0.56	1.01	2.39	1.07	− 6 −44 + 2 +56 +11 + 3 +35 +18 −36 +29	0	1.53
80794	16 29 47.28	−61 15 42.8	10.91	H	247.446 986 22	−61.261 898 24	14.47	7.20	238.97	1.76	1.61	2.56	2.29	2.01	−11 − 4 − 4 − 4 −10 −11 − 5 +35 − 9 −24	0	2.51
80795	16 29 48.48	−11 07 46.3	6.90	G	247.451 984 61	−11.129 519 89	5.75	−17.12	−4.75	0.96	0.51	0.89	1.28	0.87	+ 4 −12 − 1 +31 +25 + 2 +34 +43 − 1 − 8	2	2.52
80796	16 29 48.78	−61 15 35.7	11.03	H													
80797	16 29 51.11	+05 58 14.8	6.90	H	247.462 962 61	+05.970 775 86	7.49	4.79	2.14	0.84	0.60	0.98	0.81	0.68	− 1 −55 −12 +36 −13 − 1 −10 +56 − 3 − 6	3	2.00
80798	16 29 54.40	+14 16 09.2	8.65	H	247.476 657 41	+14.269 220 66	4.09	−5.61	17.53	0.86	0.73	1.23	1.39	1.13	+10 − 3 −23 +27 +12 −10 + 8 +46 −37 +24	0	−0.67
80799	16 29 54.60	−24 58 45.9	7.82	G	247.477 519 60	−24.979 403 46	8.90	−13.72	−26.38	0.88	0.68	0.96	0.97	0.87	−39 −28 −17 +13 −21 +15 − 9 +48 −19 −54	0	1.64
80800	16 29 55.38	−75 12 21.9	7.35	H	247.480 731 15	−75.206 072 68	3.22	−21.50	−28.48	0.45	0.58	0.71	0.49	0.70	+12 −24 − 5 + 2 − 8 − 4 − 9 −10 − 4 + 0	0	−0.16

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
80701	9.574	0.022	9.162	0.023		0.389	0.029	T	0.45	0.03	L	9.2384	0.0029	0.021	91		9.20	9.28		C			1							
80702	11.072	0.056	9.184	0.018		1.568	0.047	T	1.59	0.05	L	9.0752	0.0015	0.017	111		9.05	9.10		C			1 S							
80703	8.417	0.008	7.358	0.006		0.918	0.008	T	0.92	0.01	L	7.4091	0.0011	0.009	159		7.39	7.43					1							S
80704	6.554	0.020	5.046	0.022		1.289	0.024	T	3.61	0.07	O	4.4840	0.0197	0.163	114		4.24	4.72		U 2 B			1 S							S
80705	9.982	0.021	9.523	0.021		0.433	0.027	T	0.50	0.03	L	9.5899	0.0030	0.025	120		9.55	9.64					1							
80706	13.112	0.506	11.222	0.172	A						T *	10.5824	0.0032	0.025	118	*	10.53	10.62		D	16287−5745	H 1	2 C A	AB	4	1.846	0.005	0.34	0.02	G
80707	9.282	0.014	8.853	0.014		0.405	0.018	T	0.47	0.02	L	8.9134	0.0035	0.030	121		8.87	8.96		U 2			1							
80708	8.255	0.017	6.608	0.007		1.378	0.015	T	1.35	0.02	L	6.6104	0.0016	0.007	34		6.60	6.62					1							S P
80709	8.872	0.013	7.763	0.009		0.956	0.012	T	0.94	0.01	L	7.8340	0.0011	0.011	101		7.81	7.85		C			1							S
80710	7.650	0.008	6.418	0.004		1.052	0.007	T	1.02	0.01	L	6.4742	0.0007	0.008	122		6.46	6.49			16287+5124	I 1	1							S
80711	9.756	0.022	9.174	0.021		0.546	0.022	T	0.62	0.02	L	9.2025	0.0016	0.014	87		9.18	9.22		C			1							
80712	7.491	0.006	7.208	0.007		0.269	0.009	T	0.30	0.01	L	7.2525	0.0010	0.009	92		7.24	7.27		C			1							S
80713	7.820	0.007	7.582	0.007		0.218	0.010	G	0.24	0.01	H	7.6221	0.0012	0.011	127		7.60	7.65					1							S
80714	10.279	0.029	8.152	0.010		1.799	0.025	T	2.92	0.04	O	7.8182	0.0087	0.060	93		7.70	7.86	31.32	P 1 A			1 S							
80715	10.980	0.040	10.156	0.030		0.743	0.038	T	0.79	0.03	L	10.1714	0.0035	0.033	125		10.12	10.23			16288−4648	I 1	1 S							G
80716	10.467	0.031	9.340	0.020		0.970	0.029	T	0.95	0.02	L	9.3140	0.0022	0.019	110		9.28	9.34		C			1							
80717	11.040	0.079	8.827	0.023		1.827	0.066	T	1.86	0.07	L	8.6768	0.0044	0.022	44		8.65	8.71					1							
80718	9.096	0.010	7.827	0.007		1.081	0.010	T	1.04	0.01	L	7.8722	0.0008	0.012	178		7.85	7.90		C			1							
80719	6.941	0.007	6.504	0.008	*	0.410	0.002	G	0.48	0.00	H *	6.5645	0.0013	0.007	52	*	6.55	6.58		D	16288−0807	I 1	2 C B	AB	298	5.538	0.039	3.23	0.09	S
80720	9.598	0.025	9.320	0.028		0.300	0.020	G	0.34	0.03	H	9.3311	0.0038	0.020	58		9.28	9.36		C			1							
80721	7.479	0.006	7.364	0.007		0.134	0.003	G	0.15	0.00	H	7.3706	0.0018	0.049	138		7.16	7.45		U 2 C			1							S P
80722	9.232	0.021	8.664	0.020		0.531	0.026	T	0.60	0.03	L	8.6978	0.0022	0.013	52		8.67	8.73		C			1							S
80723	12.664	0.225	10.853	0.070		1.538	0.194	T	2.34	0.54	K	10.9474	0.0050	0.041	126		10.89	11.02		C			1							G
80724	9.281	0.016	8.706	0.015		0.537	0.019	T	0.61	0.02	L	8.7584	0.0009	0.011	92		8.74	8.78					1							
80725	7.941	0.011	6.978	0.008	*	0.848	0.001	G	0.94	0.07	F *	7.1211	0.0012	0.009	124	*	7.11	7.14		D	16289+1825	I 1	2 C A	AB	128	1.789	0.002	0.19	0.01	S
80726	9.919	0.019	8.368	0.010		1.302	0.017	T	1.26	0.02	L	8.3919	0.0017	0.021	162		8.36	8.43					1							
80727	11.234	0.051	9.335	0.017		1.577	0.043	T	1.60	0.04	L	9.2832	0.0019	0.023	150		9.24	9.33					1							
80728	11.100	0.049	10.476	0.045		0.581	0.058	T	0.65	0.05	L	10.5453	0.0036	0.034	148		10.49	10.61		C			1							G
80729	9.545	0.017	8.338	0.011		1.032	0.016	T	1.00	0.01	L	8.3928	0.0014	0.016	117		8.37	8.43		C	16290+5637	I 1	1							S
80730	9.977	0.021	8.562	0.012		1.195	0.019	T	1.15	0.02	L	8.6046	0.0013	0.017	104		8.57	8.63					1							
80731	9.095	0.011	8.570	0.010		0.502	0.011	T	0.57	0.01	L	8.6422	0.0015	0.015	138		8.62	8.67		C			1							
80732	11.363	0.066	9.363	0.019		1.657	0.055	T	1.68	0.06	L	9.2929	0.0018	0.018	106		9.26	9.32		C			1 S							
80733	9.530	0.012	8.993	0.012		0.504	0.015	T	0.58	0.02	L	9.0590	0.0015	0.023	192		9.02	9.10					1							
80734	8.731	0.011	7.612	0.007		0.964	0.010	T	0.95	0.01	L	7.6629	0.0009	0.011	139		7.65	7.68		C			1							S
80735	10.945	0.058	10.089	0.042		0.751	0.055	T	0.79	0.04	L	10.1107	0.0042	0.029	86		10.07	10.16		C			1							G
80736	8.485	0.014	7.652	0.009		0.725	0.002	G	0.78	0.00	H	7.7099	0.0013	0.007	67		7.70	7.73					1							S
80737	10.585	0.036	8.856	0.015		1.442	0.031	T	1.44	0.05	L	8.8020	0.0019	0.017	101		8.77	8.85					1							
80738	8.411	0.011	7.741	0.011		0.585	0.011	G	0.66	0.01	H	7.8106	0.0010	0.009	91		7.79	7.83					1							S
80739	10.131	0.022	8.867	0.013		1.077	0.020	T	1.04	0.02	L	8.9153	0.0013	0.013	139		8.89	8.94		C			1							
80740	9.522	0.016	9.261	0.018		0.245	0.025	T	0.27	0.03	L	9.2938	0.0022	0.025	206		9.25	9.34					1							
80741	10.053	0.020	9.306	0.017		0.690	0.012	G	0.75	0.01	H	9.3636	0.0013	0.018	146		9.32	9.40		C			1							
80742	9.092	0.013	8.410	0.011		0.639	0.015	G	0.70	0.01	H	8.4785	0.0013	0.012	107		8.45	8.50		C			1							S
80743	8.652	0.010	8.168	0.009		0.475	0.015	G	0.55	0.02	H	8.2267	0.0012	0.011	113		8.20	8.25		C			1							S
80744	11.407	0.067	10.666	0.056		0.678	0.069	T	0.74	0.06	L	10.7472	0.0034	0.034	123		10.67	10.81		C			1							G
80745	8.952	0.019	8.670	0.021		0.245	0.015	G	0.27	0.02	H	8.7194	0.0027	0.013	47		8.70	8.75		C			1							
80746	11.174	0.060	9.327	0.020		1.536	0.050	T	1.59	0.11	L	9.3182	0.0020	0.019	132		9.28	9.35					1 S							
80747	11.814	0.091	11.229	0.092		0.575	0.072	G	0.65	0.07	R	11.3042	0.0041	0.051	147		11.20	11.37					1 X							G
80748	9.950	0.021	8.114	0.009		1.527	0.018	T	1.57	0.04	L	8.0523	0.0012	0.016	121		8.03	8.09					1							
80749	12.001	0.147	10.216	0.046		1.517	0.127	T	1.71	0.17	K	10.2260	0.0021	0.031	117		10.17	10.28					1							
80750	10.733	0.041	8.838	0.016		1.574	0.035	T	1.59	0.04	L	8.7646	0.0019	0.016	94		8.73	8.79					1							
80751	11.684	0.077	10.179	0.032		1.222	0.004	G	1.38	0.01	I	10.1782	0.0020	0.030	164		10.11	10.24		C			1							
80752	7.774	0.006	7.295	0.006		0.451	0.008	T	0.52	0.01	L	7.3493	0.0009	0.011	184		7.33	7.37					1							S
80753	10.512	0.040	9.737	0.032		0.689	0.039	T	0.75	0.03	L	9.7389	0.0041	0.023	85		9.71	9.77					1							
80754	10.544	0.033	9.884	0.029		0.622	0.004	G	0.69	0.00	H	9.9686	0.0025	0.023	127		9.92	10.00		C			1							
80755	10.694	0.033	9.888	0.026		0.729	0.032	T	0.78	0.02	L	9.8857	0.0031	0.029	127		9.85	9.93			16293−4428	I 1	1							G
80756	8.904	0.016	8.372	0.015		0.528	0.015	G	0.60	0.02	H	8.4171	0.0015	0.013	84		8.39	8.45					1							
80757	9.451	0.014	9.010	0.014		0.430	0.016	T	0.50	0.02	L	9.0435	0.0015	0.017	171		9.02	9.07		C			1							
80758	10.765	0.048	9.853	0.036		0.794	0.046	T	0.83	0.03	L	9.9162	0.0065	0.051	87		9.85	9.99		U 2			1							G
80759	9.917	0.021	9.366	0.020		0.522	0.022	T	0.59	0.02	L	9.3972	0.0019	0.020	122		9.37	9.43					1							
80760	11.289	0.061	9.855	0.027		1.210	0.052	T	1.17	0.05	L	9.9989	0.0028	0.026	105		9.95	10.05					1							G
80761	8.062	0.008	7.836	0.007		0.203	0.003	G	0.22	0.00	H	7.8827	0.0012	0.012	115		7.86	7.90		C			1							S
80762	9.454	0.024	9.031	0.024	A	0.722	0.126	G	0.53	0.05	L *	8.9955	0.0013	0.016	115	*	8.97	9.03		D	16294+6856	I 1	2 C A	AB	116	7.219	0.013	2.41	0.06	
80763	3.494	0.015	1.287	0.008		1.865	0.014	T	2.90	0.03	O	0.9757	0.0055	0.042	73		0.91	1.07		U 2	16294−2626	I 1	1 X S							S
80764	10.550	0.037	9.878	0.033		0.622	0.041	T	0.69	0.04	L	9.5828	0.0022	0.020	113		9.55	9.62		D	16294−6332	I 1	1 X S							G
80765	8.714	0.011	7.660	0.008	A	0.930	0.015	G	0.92	0.01	H	7.7240	0.0061	0.037	197	A	7.68	7.78		D	16294+1036	I 2	1 C P A							S
80766	8.616	0.014	8.084	0.013		0.508	0.001	G	0.58	0.00	H	8.1469	0.0014	0.013	120		8.12	8.17		C			1							S
80767	10.050	0.023	9.544	0.022	B	0.460	0.015	G	0.53	0.02	H	9.8330	0.0324			B				D	16294+1036	I 2	1 C I A							
80768	9.149	0.015	7.268	0.007		1.563	0.013	T	1.58	0.01	L	7.2041	0.0008	0.008	114		7.19	7.22		D			1							S
80769	12.249	0.146	10.463	0.045		1.560	0.080	G	1.53	0.08	J	10.5239	0.0028	0.031	135		10.47	10.59		C			1							G
80770	8.068	0.009	7.571	0.007		0.479	0.009	T	0.55	0.01	L	7.6183	0.0010	0.011	100		7.60	7.64					1							S
80771	10.920	0.041	10.257	0.038		0.615	0.047	T	0.68	0.04	L	10.4905	0.0038	0.041	119		10.42	10.56					1							G
80772	9.769	0.018	8.551	0.011		1.041	0.016	T	1.01	0.01	L	8.5997	0.0017	0.015	132		8.58	8.63					1							
80773	11.135	0.048	9.176	0.015		1.625	0.040	T	1.65	0.04	L	9.1027	0.0026	0.030	169		9.06	9.16		U			1							
80774	8.866	0.019	8.261	0.017		0.564	0.022	T	0.64	0.02	L	8.3414	0.0012	0.012	110		8.32	8.37					1							S
80775	9.850	0.022	8.471	0.013		1.167	0.020	T	1.13	0.02	L	8.4914	0.0017	0.014	102		8.47	8.52		C			1							
80776						0.512	0.100	G	0.91	0.07	B *	10.1184	0.0026	0.021	67	*	10.08	10.16		R	16296−1609	I 1	2 C D	AB	1	8.629	0.016	1.20	0.15	G D
80777	8.948	0.017	7.820	0.012		0.971	0.016	T	0.96	0.01	L	7.8854	0.0020	0.011	58		7.87	7.91					1							S
80778	10.276	0.035	9.897	0.039		0.365	0.013	G	0.43	0.01	H	9.8983	0.0031	0.022	84		9.87	9.94		C			1							G
80779	10.609	0.046	9.866	0.039		0.665	0.046	T	0.73	0.04	L	9.9311	0.0032	0.027	88		9.89	10.01					1 X							G
80780	11.032	0.055	10.474	0.054		0.522	0.069	T	0.59	0.07	L	10.4859	0.0031	0.038	126		10.43	10.54		C			1 S							G
80781	11.758	0.118	10.858	0.082		0.800	0.107	T	0.83	0.08	L	10.8844	0.0038	0.037	91		10.83	10.95		C			1 G							G
80782	5.924	0.004	5.404	0.003		0.488	0.005	T	0.75	0.03	C	5.4275	0.0029	0.022	105		5.40	5.47	4.82	P 1 A			1							S P
80783	9.273	0.035	8.162	0.024		0.958	0.033	T	0.95	0.02	L	8.1967	0.0027	0.016	41		8.17	8.22					1							
80784	8.770	0.014	8.031	0.011		0.664	0.002	G	0.73	0.00	H	8.0726	0.0016	0.010	80		8.06	8.09		C			1							S
80785	10.454	0.028	9.233	0.016		1.043	0.025	T	1.01	0.02	L	9.2608	0.0013	0.016	183		9.23	9.29					1							
80786	10.859	0.071	10.279	0.067		0.542	0.086	T	0.62	0.09	L	10.3001	0.0035	0.028	77		10.24	10.35					1							G
80787	8.813	0.011	7.564	0.007		1.065	0.010	T	1.03	0.01	L	7.6073	0.0011	0.010	136		7.59	7.63		C			1							S
80788	7.988	0.008	6.238	0.003		1.459	0.007	T	1.47	0.01	L	6.2272	0.0009	0.009	135		6.21	6.24	3.58	P 1 A			1							S
80789	10.933	0.044	10.312	0.041		0.578	0.052	T	0.65	0.05	L	10.3616	0.0040	0.031	142		10.30	10.41					1							
80790	9.962	0.023	8.236	0.011		1.440	0.020	T	1.50	0.02	A	8.1797	0.0013	0.014	134		8.16	8.20		C			1							
80791	8.327	0.015	6.998	0.009		1.128	0.014	T	1.09	0.01	L	7.0214	0.0071	0.092	160		6.91	7.13	15.24	P 1 A			1							S P
80792	9.111	0.012	8.740	0.012		0.351	0.016	T	0.41	0.02	L	8.7884	0.0014	0.016	123		8.76	8.82					1							
80793	6.695	0.005	5.759	0.003		0.823	0.003	G	0.85	0.00	H	5.8137	0.0010	0.006	85		5.80	5.82					1 G							S
80794	11.936	0.141	11.053	0.101							T	11.0500	0.0050	0.058	134		10.95	11.14		D	16298−6116	I 2	1 S							G
80795	7.090	0.005	6.922	0.006		0.167	0.002	G	0.18	0.00	H	6.9570	0.0005	0.006	98		6.95	6.97					1							S
80796											T	11.1753	0.0176	0.261	132		11.00	11.99		D	16298−6116	I 2	S							G
80797	7.435	0.008	6.956	0.006		0.428	0.012	G	0.54	0.03	C	7.0064	0.0010	0.007	71		7.00	7.02		C			1							S
80798	9.932	0.024	8.773	0.016		0.995	0.022	T	0.97	0.02	L	8.8155	0.0019	0.019	105		8.78	8.86					1							
80799	8.040	0.009	7.876	0.010		0.169	0.009	G	0.18	0.01	H	7.8764	0.0012	0.009	87		7.86	7.89		C			1							S
80800	9.000	0.011	7.486	0.006		1.273	0.010	T	1.23	0.01	L	7.5048	0.0012	0.011	163		7.48	7.52		C			1							S

Number HIP 1 2	Descriptor: epoch J1991.25 RA h m s 3	Dec ±° ′ ″ 4	V mag 5	6	7	Position: epoch J1991.25 α (ICRS) deg 8	δ deg 9	10	Par. π mas 11	Proper Motion $\mu_{\alpha*}$ mas/yr 12	μ_δ 13	Standard Errors α* mas 14	δ 15	π mas 16	$\mu_{\alpha*}$ mas/yr 17	μ_δ 18	Astrometric Correlations (%) δ α* 19	π α* 20	π δ 21	$\mu_{\alpha*}$ α* 22	$\mu_{\alpha*}$ δ 23	$\mu_{\alpha*}$ π 24	μ_δ α* 25	μ_δ δ 26	μ_δ π 27	μ_δ $\mu_{\alpha*}$ 28	Soln F1 % 29	F2 30
80801	16 29 56.20	+46 11 37.2	10.14		H	247.484 173 53	+46.193 659 00		8.33	7.93	5.90	1.01	0.90	1.12	1.10	0.98	+ 5	– 1	– 7	– 6	+ 0	–14	– 1	– 6	+ 0	– 1	0	–1.59
80802	16 29 57.87	+72 16 49.0	9.48	3	H	247.491 124 91	+72.280 286 63	*	1.79	13.69	14.29	0.76	0.72	0.93	0.89	0.87	+ 4	–12	+13	–22	– 5	–10	– 4	– 7	– 8	+10	0	0.03
80803	16 29 58.64	+28 32 21.2	9.03		H	247.494 328 48	+28.539 228 53		2.98	–12.27	8.62	1.89	2.37	3.15	2.10	2.91	+13	–13	–24	–15	+ 7	– 2	+ 9	–18	– 9	+ 4	0	
80804	16 29 59.21	–25 08 51.8	7.34		H	247.496 724 05	–25.147 716 72		6.24	–25.28	–30.29	0.86	0.63	0.97	0.88	0.76	–26	–35	–21	+17	–13	+ 4	– 2	+46	–20	–43	0	2.78
80805	16 30 02.19	–00 48 02.4	8.02		H	247.509 132 68	–00.800 670 76		13.02	14.82	–15.22	1.51	1.73	1.46	1.74	2.06	–56	–19	–28	+63	–58	+15	–46	+84	–34	–64	0	–0.61
80806	H 16 30 03.67	+33 53 11.1	8.26		H	247.515 297 86	+33.886 407 41	*	4.85	–0.43	–0.88	1.08	1.25	1.01	0.84	0.89	– 1	– 5	– 5	+20	+ 5	+ 4	+ 6	+15	–18	+ 9	1	0.37
80807	16 30 04.52	+33 24 38.5	8.22		H	247.518 826 76	+33.410 680 85		8.56	–13.87	–25.17	0.56	0.64	0.81	0.61	0.71	+ 3	–12	–15	+18	+ 8	–10	+ 7	+14	– 2	–14	2	0.60
80808	16 30 05.55	+34 47 09.4	8.04		H	247.523 133 03	+34.785 935 82		3.25	10.95	–16.90	0.59	0.63	0.81	0.61	0.68	+ 7	–11	–23	+12	+10	–15	+ 9	+15	–14	+ 0	0	–0.32
80809	16 30 06.08	+48 57 40.4	6.44		H	247.525 327 38	+48.961 227 56		9.00	–48.37	–56.48	0.50	0.46	0.54	0.55	0.52	– 8	– 0	+ 6	– 9	+13	+ 4	+19	–10	–22	–20	0	–0.77
80810	H 16 30 07.12	–22 26 24.6	9.81		H	247.529 659 30	–22.440 156 61	A	7.14	56.11	–12.76	2.21	1.73	2.03	2.09	1.93	–49	–20	– 8	+16	–26	+ 0	–24	+59	–22	–44	0	–0.38
80811	16 30 07.44	–53 01 44.7	8.66		H	247.530 992 35	–53.029 073 08		3.86	4.20	–11.18	0.87	0.64	1.19	1.00	0.80	+ 5	+ 0	–16	–10	–16	– 6	–14	+41	–33	+ 1	0	0.51
80812	16 30 07.84	+44 52 15.5	9.21		H	247.532 651 83	+44.870 973 71		11.66	8.16	21.18	0.73	0.84	0.91	0.89	0.99	+ 4	– 4	–16	–11	+16	–15	+14	– 9	+ 1	– 3	0	–0.23
80813	16 30 08.84	–34 07 17.3	8.44		G	247.536 815 11	–34.121 475 85		3.14	–8.59	–20.01	1.05	0.60	1.11	1.09	0.87	–27	–38	+ 0	–20	– 4	+ 9	+20	+34	–24	–52	0	–1.10
80814	16 30 10.12	+15 07 41.8	7.47	1	H	247.542 161 90	+15.128 270 58		9.53	13.72	7.42	0.63	0.57	0.94	0.81	0.86	+ 0	–22	–25	+36	– 9	–15	– 7	+43	–33	+ 0	0	0.54
80815	16 30 12.48	–25 06 54.6	4.79		G	247.551 991 28	–25.115 159 35		8.30	–3.42	–26.52	0.76	0.57	0.84	0.80	0.69	–37	–35	–15	+13	–20	+11	–10	+44	–17	–48	0	1.83
80816	16 30 13.26	+21 29 22.7	2.78		H	247.555 256 97	+21.489 648 50	+	22.07	–98.43	–14.49	1.10	0.91	1.00	0.66	0.72	–54	+ 6	–17	–20	–31	+42	–16	+32	–39	–24	0	–0.33
80817	16 30 13.39	–14 39 47.9	12.27	2	G	247.555 787 92	–14.663 292 15		45.35	–494.66	–205.17	4.61	2.62	5.06	5.75	3.81	–10	–22	–17	+17	+ 7	+ 9	+15	+39	–31	–10	7	4.39
80818	16 30 15.04	+47 57 11.0	6.98		H	247.562 663 87	+47.953 049 53		19.70	–93.86	–275.89	0.49	0.47	0.56	0.57	0.50	– 7	+ 2	+ 2	– 8	– 2	+ 5	– 1	– 3	+ 5	–16	0	–0.33
80819	16 30 15.68	–27 54 58.4	6.89		H	247.565 346 62	–27.916 219 34		5.99	–9.76	–13.78	0.78	0.54	0.87	0.85	0.67	–26	–31	– 7	+14	–12	– 2	– 5	+43	–18	–31	0	1.60
80820	16 30 15.76	–52 26 27.0	7.08		H	247.565 649 27	–52.440 832 01		2.92	0.59	–3.67	0.76	0.49	0.97	0.84	0.60	+24	–23	–27	–19	–11	– 8	– 3	+40	–29	+13	0	–0.51
80821	16 30 16.08	–51 07 33.6	9.31		H	247.567 019 86	–51.126 011 51		9.63	51.93	–17.18	0.98	0.73	1.24	1.26	0.96	– 3	–12	– 4	+ 7	– 5	+ 1	– 7	+57	–11	+ 2	0	1.05
80822	16 30 16.85	+10 59 52.2	9.06		H	247.570 195 63	+10.997 841 69		3.25	–108.58	–55.90	0.95	0.73	1.23	1.27	1.24	–28	–26	+ 5	+49	–24	+13	–29	+71	+ 6	–21	0	–1.01
80823	16 30 17.42	–11 50 41.7	10.02		H	247.572 602 95	–11.844 907 52		3.92	3.82	–26.02	1.77	1.05	1.76	2.36	1.94	–19	–16	+ 4	+16	– 3	+ 0	+16	+43	+ 1	–45	0	1.39
80824	16 30 18.11	–12 39 35.0	10.10		G	247.575 478 24	–12.659 713 67		234.51	–93.61	–1184.90	1.77	1.06	1.82	2.20	1.74	–47	–25	– 4	+ 8	–16	– 2	– 4	+44	–13	–57	2	0.07
80825	16 30 18.73	–54 57 17.6	11.23		H	247.578 055 94	–54.954 881 66		–3.04	7.16	0.73	4.84	3.70	4.53	5.71	4.58	+74	+ 2	+ 1	+80	+73	+ 8	+74	+86	–17	+64	6	1.74
80826	16 30 22.29	+28 56 28.1	9.67		H	247.592 889 41	+28.941 139 76		3.11	–15.41	–6.96	0.93	1.26	1.58	1.08	1.49	+24	+ 2	–17	+36	+23	–14	+19	+ 3	+ 7	+15	0	–0.17
80827	H 16 30 22.61	+40 44 11.6	7.88		G	247.594 216 27	+40.736 568 49	A	11.12	–82.91	39.10	1.30	1.10	1.00	0.86	0.93	+ 3	– 2	–10	–20	+13	– 3	+11	–14	+ 3	+ 4	2	0.39
80828	16 30 23.13	+22 28 59.6	9.40		H	247.596 371 06	+22.483 226 42		8.32	31.82	6.92	0.87	0.91	1.41	0.92	1.11	+ 4	–40	– 5	– 9	– 1	+11	+ 4	+27	–16	+ 8	0	1.19
80829	16 30 23.31	–37 58 21.1	7.72	1	H	247.597 135 03	–37.972 535 85		1.67	0.42	–4.84	0.91	0.55	1.12	0.83	0.77	–22	–43	–10	+ 2	–29	+ 0	+ 0	+62	–42	–38	0	–0.34
80830	16 30 24.89	–44 06 56.3	7.87	2	H	247.603 725 57	–44.115 632 81		3.86	–4.28	3.66	0.96	0.60	1.09	1.04	0.80	– 4	–41	–12	+ 1	– 5	+14	+ 9	+54	–25	–16	0	0.24
80831	16 30 25.70	–10 26 28.3	7.47		H	247.607 099 03	–10.441 197 15		18.31	–132.35	–77.31	0.88	0.52	0.96	1.04	0.76	–20	–28	– 1	+11	+ 7	+ 0	+16	+31	–24	–20	2	–1.16
80832	16 30 27.00	–48 09 23.5	9.41		H	247.612 496 24	–48.156 522 30		6.72	–7.95	–8.75	1.70	0.90	2.18	1.88	1.38	+39	–55	–31	+ 4	+18	+10	+41	+66	–43	+19	0	0.42
*80833	16 30 27.41	+67 21 07.4	8.67		H	247.614 191 36	+67.352 067 31		4.46	5.27	–13.94	0.67	0.79	0.76	0.80	0.99	– 8	–17	–16	+11	– 5	+ 6	+ 1	+34	–23	–20	0	–1.54
*80834	16 30 27.40	–06 05 33.8	8.81		H	247.614 159 75	–06.092 725 97		5.76	–13.53	30.18	1.23	0.80	1.34	1.37	1.15	+ 3	–48	–17	+23	+12	–10	+ 6	+25	+15	–24	0	–0.07
80835	16 30 28.17	+47 49 14.4	8.86		H	247.617 376 36	+47.820 658 82		5.75	7.67	–1.50	0.67	0.67	0.79	0.76	0.73	– 4	+ 4	+ 4	+ 5	–10	–13	– 5	–10	+ 2	+ 3	–21	0	–1.03
80836	16 30 28.34	+63 34 14.6	8.12		H	247.618 078 00	+63.570 726 83		5.28	–25.31	36.18	0.56	0.60	0.65	0.45	0.64	+ 4	–25	– 9	–40	–22	+ 8	–26	–13	+20	–17	0	–0.90
80837	16 30 28.71	+04 10 53.8	7.27		H	247.619 638 85	+04.181 608 65		24.34	–432.73	–1392.34	0.88	0.73	0.90	1.09	0.92	–20	–19	–21	+37	–12	+ 0	–10	+33	–12	–27	0	2.35
80838	16 30 29.68	+38 20 49.8	8.15		H	247.623 652 36	+38.347 179 94		12.68	–77.12	53.34	0.58	0.67	0.79	0.63	0.75	+19	+ 1	–15	–11	– 6	–14	– 8	– 2	– 8	+14	1	2.08
80839	16 30 29.73	+33 45 02.9	6.97		H	247.623 890 61	+33.750 800 07		6.66	–15.77	33.11	0.48	0.53	0.68	0.55	0.59	+15	– 7	–12	+13	+10	– 2	+10	+13	– 1	+10	0	–0.02
80840	16 30 30.02	–07 30 52.0	6.46		H	247.625 067 33	–07.514 457 68		1.74	2.51	2.67	0.75	0.46	0.80	0.77	0.62	–20	–41	– 2	+ 7	+ 0	+ 3	+ 8	+26	–12	–31	0	–0.78
80841	16 30 31.29	–21 44 31.2	10.70		G	247.630 359 86	–21.741 990 01		5.12	–3.36	5.48	1.73	1.26	1.93	2.09	1.86	–34	–14	– 3	+16	–20	+ 1	–10	+49	–23	–47	2	0.01
80842	H 16 30 32.06	–14 32 45.6	8.72		H	247.633 572 15	–14.546 003 10	A	13.14	–15.71	–84.01	2.98	1.83	2.82	3.28	2.51	–26	–33	– 9	+11	– 7	+ 5	+ 6	+44	–14	–39	5	2.24
80843	16 30 33.60	+20 28 45.6	5.24	1	G	247.640 017 46	+20.479 345 89		4.30	–89.48	–64.94	0.52	0.45	0.67	0.71	0.63	+25	–20	+ 0	+16	+17	+ 0	+14	+30	–10	+51	0	–0.34
80844	16 30 34.08	–25 28 13.9	8.64		H	247.642 013 55	–25.470 524 37		12.53	–2.93	–38.64	1.25	0.96	1.39	1.34	1.24	–38	–23	–22	+32	–29	+14	–15	+67	–39	–46	2	–0.22
80845	16 30 34.28	+20 08 41.2	9.48		H	247.642 845 89	+20.144 771 72		5.02	–24.52	–2.65	0.92	0.88	1.33	1.08	1.09	+24	–28	–14	+24	+15	– 7	+15	+20	– 3	+31	0	1.21
80846	16 30 34.98	–27 10 35.1	7.79		H	247.645 737 69	–27.176 429 54		3.91	–12.25	–11.77	0.88	0.67	0.96	1.08	0.81	–32	–12	–14	+21	–11	+16	–10	+49	–11	–28	0	1.20
80847	H 16 30 36.93	+43 32 43.0	7.65		G	247.653 877 04	+43.545 280 99	A	4.56	–39.60	33.52	1.05	1.25	1.22	1.19	1.43	–16	+16	– 7	+16	+ 6	+ 0	+ 2	+ 2	– 7	–23	0	0.71
80848	16 30 38.06	+09 43 53.5	8.81		H	247.658 584 55	+09.731 535 27		–0.97	1.89	–11.95	0.87	0.58	1.17	1.27	1.01	–26	+ 2	+11	+48	– 2	+14	– 7	+55	– 6	+11	0	–1.32
80849	16 30 39.03	–38 21 05.2	9.88		H	247.662 605 47	–38.351 456 76		9.20	–69.55	–77.27	1.75	1.10	2.00	2.25	1.62	–22	–30	– 8	+ 7	+ 0	– 4	+ 1	+70	–34	– 9	2	–0.51
80850	16 30 39.08	+77 26 45.1	6.35		G	247.662 831 25	+77.445 850 77		8.00	–103.74	272.94	0.47	0.54	0.58	0.51	0.66	+12	–33	–35	– 3	–12	+24	– 5	– 8	+ 1	– 2	0	–1.70
80851	16 30 40.23	–21 27 07.9	10.26		G	247.667 639 49	–21.452 187 60		6.27	–3.00	–20.62	1.66	1.12	1.78	2.13	1.60	–23	+ 2	– 3	+ 7	+ 9	– 3	+14	+33	– 3	–32	5	1.22
80852	16 30 40.39	–85 30 38.3	8.15		H	247.668 298 76	–85.510 651 83		3.51	–20.82	–13.72	0.57	0.69	0.77	0.58	0.75	+ 0	–11	+ 2	+ 9	–10	–18	–11	– 6	– 3	– 4	0	0.78
80853	16 30 40.83	+18 22 00.4	10.76	3	T	247.670 141 63	+18.366 776 44		0.47	–54.20	18.03	1.49	1.25	1.82	1.76	1.57	+57	– 2	+ 8	+34	+46	+19	+46	+41	+10	+63	0	0.90
80854	16 30 41.17	+19 55 40.6	8.68		H	247.671 533 75	+19.927 935 04		4.96	–7.26	–26.29	0.83	0.73	1.17	0.90	0.95	+16	–39	–13	+18	+ 8	– 7	+ 7	+20	+ 0	+19	0	–0.76
80855	16 30 41.19	+18 38 02.7	7.93		G	247.671 609 54	+18.634 097 04		12.36	–12.26	3.03	0.67	0.62	0.95	0.76	0.77	+34	–26	–12	+25	+21	+10	+23	+25	– 2	+35	0	1.58
80856	16 30 41.27	+23 45 24.2	10.11		H	247.671 948 90	+23.756 718 42		5.23	–38.46	27.25	1.33	1.11	1.71	1.27	1.18	+40	–15	–19	–58	–14	– 9	–20	–11	–13	+52	0	0.61
80857	16 30 41.41	–13 06 58.2	9.22		H	247.672 555 02	–13.116 156 19		11.29	–70.67	–74.13	1.41	0.82	1.52	1.74	1.26	–21	–17	+ 1	+15	+ 5	–12	+14	+32	+ 4	–38	0	3.12
80858	16 30 41.42	–68 04 18.7	8.31		H	247.672 574 42	–68.071 857 28		2.47	–4.00	–11.59	0.51	0.65	0.92	0.65	0.74	– 6	–12	+ 7	–13	+ 5	– 9	+ 6	– 1	+ 7	–15	0	–1.28
80859	16 30 42.02	–29 28 58.9	7.78		H	247.675 083 79	–29.483 016 16		8.76	–32.25	–20.42	0.94	0.70	1.03	0.95	0.87	–40	–31	–10	+28	–37	+12	–20	+64	–30	–54	0	0.46
80860	16 30 42.23	–59 57 02.5	7.62		H	247.675 974 45	–59.950 701 32		7.30	15.72	12.79	0.54	0.54	0.87	0.68	0.68	–12	–17	+ 1	+19	+ 3	+12	+ 3	+44	– 6	– 9	1	0.25
80861	16 30 43.80	+37 31 35.4	8.44		H	247.682 489 76	+37.526 492 38		10.48	24.51	–38.00	0.64	0.69	0.85	0.76	0.86	+ 4	+ 2	–12	+ 8	+ 6	+18	+ 9	+ 8	– 1	– 8	0	1.11
80862	16 30 44.15	–04 04 57.0	9.31		G	247.683 949 57	–04.082 506 08		7.58	–21.15	–29.80	1.78	1.62	2.22	2.59	2.68	– 2	–40	–47	+30	–19	+ 7	– 1	+46	–16	–66	0	0.28
80863	16 30 44.22	+59 03 38.6	10.35		H	247.684 246 82	+59.060 708 83		4.45	–21.46	27.42	1.22	1.06	1.20	1.36	1.30	+ 6	–23	– 1	+30	+ 4	+ 5	+ 3	+12	– 3	– 2	1	–0.37
80864	16 30 44.40	–03 40 45.5	8.73		H	247.685 004 24	–03.679 316 22		7.66	5.56	–8.43	1.26	1.20	1.45	2.01	2.14	–24	–14	–37	+33	–18	+ 6	– 8	+38	– 5	–71	0	1.64
80865	16 30 44.60	–80 19 14.5	8.31		H	247.685 815 40	–80.320 686 07		3.68	–6.69	–14.17	0.56	0.64	0.76	0.56	0.69	+ 5	–29	+ 5	+14	–11	–10	–14	+ 6	+10	– 2	0	–0.89
80866	16 30 45.00	+32 11 22.9	9.11		H	247.687 519 90	+32.189 697 74		4.41	0.46	–23.35	0.71	0.92	1.07	0.81	1.09	+16	–19	–17	+26	– 1	– 8	– 5	+11	+ 4	– 5	1	2.34
80867	16 30 45.39	+30 48 10.7	8.52		H	247.689 130 57	+30.802 983 02		2.50	4.31	1.22	0.65	0.81	1.01	0.79	0.96	+ 7	–14	–18	+17	+21	– 5	+18	–14	+ 3	+ 1	0	0.02
*80868	16 30 46.49	–28 20 11.1	10.19		G	247.693 727 16	–28.336 415 85	A	16.33	–179.48	–176.57	8.60	5.57	7.72	9.88	6.71	–26	–18	–17	– 2	+ 8	–17	+ 5	+41	–27	–13	6	0.92
*80869	16 30 47.74	–10 47 53.7	8.92		H	247.698 899 27	–10.798 260 59		3.73	–17.85	–1.53	1.37	0.68	1.16	1.86	1.10	+15	–13	+ 2	+49	+34	+ 1	+37	+58	– 6	+27	0	0.80
*80870	16 30 45.66	–28 20 10.2	10.10		H	247.690 240 10	–28.336 176 41	B	12.47	–166.08	–172.16	15.66	9.41	9.26	10.63	7.67	–28	– 5	–16	–16	+ 2	–18	– 4	+33	–34	–10	6	0.92
80871	16 30 48.18	+14 14 25.2	9.25		H	247.700 737 68	+14.240 332 35		4.94	–33.82	2.41	1.05	0.90	1.69	2.10	1.59	+ 4	– 2	–18	+15	+ 6	–38	– 2	+42	–43	+34	0	–2.19
80872	H 16 30 49.05	–02 18 16.8	8.59		H	247.704 366 45	–02.304 666 45	A	2.68	22.83	–5.70	3.18	3.08	2.79	3.68	3.52	–60	–14	–10	+29	–26	+ 3	–30	+50	–10	–38	0	–0.34
80873	16 30 49.32	–09 06 01.3	8.61		H	247.705 507 63	–09.100 352 79		5.04	–8.09	–1.97	1.30	0.68	1.42	1.27	0.94	–32	–57	+20	+29	– 8	–19	+ 9	+39	–21	–15	0	1.14
80874	16 30 49.37	–61 38 00.5	5.19		G	247.705 722 77	–61.633 481 27		4.87	–11.39	–8.99	0.43	0.43	0.65	0.50	0.49	–16	–14	–15	+ 5	– 9	– 9	– 6	+26	– 9	–28	3	0.69
80875	16 30 49.63	–33 20 07.9	8.89		H	247.706 812 48	–33.335 524 94		4.05	–7.76	–23.72	1.15	0.73	1.34	1.26	0.98	–32	–14	–19	–15	– 5	+ 6	+ 7	+43	–38	–41	2	0.33
80876	16 30 49.69	+27 18 51.6	12.07	2	G	247.707 026 75	+27.314 335 89		25.16	–207.54	–472.18	4.74	6.07	8.42	5.66	8.13	+16	– 8	– 7	–25	+ 0	+14	+ 3	–10	– 5	+12	2	
80877	16 30 52.18	–20 49 22.0	9.33		H	247.717 436 28	–20.822 764 86		2.58	–2.67	–8.70	1.49	0.87	1.79	2.18	1.21	+ 9	– 1	–18	– 6	+20	–54	+19	+18	+13	–14	0	0.27
80878	16 30 53.90	–04 32 51.3	10.94		G	247.724 585 63	–04.547 573 54		16.44	–101.63	–190.45	5.53	6.37	2.82	6.69	7.76	–83	–19	+ 0	+85	–76	– 4	–76	+92	+ 0	–81	0	–1.50
80879	16 30 53.94	+26 02 52.2	8.76		H	247.724 750 81	+26.047 830 71		1.12	–8.67	–9.27	0.66	1.00	1.40	0.95	1.35	+10	–11	–11	–10	– 5	– 4	– 1	+ 1	–12	–12	0	0.85
80880	16 30 54.55	+26 03 13.9	10.95		H																						
*80881	16 30 54.75	–17 47 52.2	9.95		H	247.728 139 10	–17.797 846 21		10.56	20.47	–54.62	1.71	1.03	1.76	1.86	1.38	– 8	–34	+ 6	+27	+14	+ 5	+20	+44	– 7	–14	0	–0.18
*80882	16 30 54.74	+29 12 15.5	8.68		H	247.728 082 16	+29.204 295 32		1.90	7.16	–7.24	0.64	0.87	1.11	0.67	0.98	+18	+ 0	– 6	+22	+18	– 6	+20	–12	+12	+21	0	1.01
80883	H 16 30 54.84	+01 59 02.8	3.82		G	247.728 505 09	+01.984 100 56	A	19.63	–31.37	–73.00	1.40	1.10	1.34	1.47	1.31	+ 6	–34	+14	+41	–10	–11	–13	+37	+16	–53	2	0.09
80884	16 30 55.24	+30 56 27.2	7.17		H	247.730 173 74	+30.940 885 66		12.26	–38.53	1.13	1.10	1.33	1.70	1.24	1.60	+ 4	– 9	–12	– 2	+13	– 9	+12	–19	+ 3	+ 0	0	
80885	H 16 30 55.71	+38 03 52.2	7.98		G	247.732 140 57	+38.064 497 78	A	5.25	–8.32	34.44	1.52	2.59	1.78	1.49	2.34	+10	+15	–15	– 8	+ 5	– 8	+ 2	+21	+ 1	+12	0	0.53
80886	16 30 59.05	+23 59 08.2	8.59		H	247.746 053 51	+23.985 612 35		13.45	–31.89	32.31	0.55	0.72	1.08	0.56	0.75	+12	–22	–17	–11	+14	–16	+15	–19	– 7	+38	1	0.94
80887	16 30 59.89	–56 29 43.2	8.64	1	G	247.749 561 34	–56.495 327 97		–1.10	–3.33	–4.37	0.81	0.67	1.15	0.89	0.87	+26	–27	–10	+34	+24	– 8	+31	+58	–26	+22	0	–0.74
80888	H 16 31 02.79	+35 13 30.4	6.25	1	G	247.761 622 98	+35.225 106 82	*	3.26	–9.01	–16.75	0.74	0.88	0.74	0.59	0.71	–15	– 9	– 7	– 2	+ 5	+ 0	+ 7	– 3	–31	–17	1	0.55
80889	16 31 03.17	–18 37 13.4	10.74		H	247.763 192 49	–18.620 382 31		24.42	67.49	–80.90	1.92	1.20	2.15	2.75	1.75	–12	– 3	–19	+15	+ 5	– 2	+ 2	+42	–29	+ 0	0	–0.38
80890	16 31 04.39	–49 58 52.0	8.48		H	247.768 281 60	–49.981 110 71		–0.43	–17.84	–17.43	1.09	0.80	1.36	1.26	1.10	+11	–38	–33	+23	–18	+17	+ 3	+74	–36	–13	1	0.62
80891	16 31 05.51	–07 32 27.1	7.88		G	247.772 960 96	–07.540 867 46		8.15	–5.86	–12.27	0.90	0.57	0.97	1.01	0.81	–22	–35	– 1	– 5	– 2	– 5	+ 5	+20	–12	–30	0	–0.09
80892	16 31 06.39	+34 19 13.3	7.93		H	247.776 616 61	+34.320 348 69		2.96	–4.45	–14.24	0.54	0.58	0.74	0.59	0.66	+ 6	–10	–13	+15	+ 5	– 5	+ 6	+17	– 9	– 5	1	0.06
80893	16 31 06.86	+36 15 59.9	9.65		H	247.778 598 47	+36.266 626 73		1.01	–3.85	–5.83	0.82	0.88	1.07	1.11	1.12	+18	– 3	– 6	+11	+ 3	–17	+ 1	+ 7	– 8	+ 0	1	–0.16
80894	16 31 08.39	–16 36 45.5	4.29		H	247.784 978 86	–16.612 640 15		15.53	–44.57	–38.04	0.73	0.45	0.77	0.76	0.54	–12	–45	+14	+19	+12	+14	+12	+40	– 8	+ 2	0	–1.24
80895	16 31 10.76	–34 19 58.1	6.94		H	247.794 830 61	–34.332 799 82		4.45	3.02	–1.05	1.18	0.76	1.04	1.88	1.51	–53	–43	– 2	–64	+61	+22	+62	–55	–18	–88	0	–1.00
80896	16 31 11.08	–29 59 52.2	8.53		G	247.796 151 32	–29.997 837 34		6.07	–15.95	–25.62	1.28	0.75	1.33	1.37	0.91	– 3	–36	–12	+32	+ 6	+ 7	+16	+55	–23	–12	0	0.71
80897	16 31 11.69	–38 22 58.5	8.56		G	247.798 697 04	–38.382 927 05		7.30	–18.48	–23.31	1.14	0.73	1.33	1.38	1.06	–24	–35	+ 2	+ 8	– 1	+ 1	– 1	+62	–33	– 3	0	–1.09
80898	16 31 13.44	+22 11 43.6	5.76	1	H	247.805 990 42	+22.195 438 91		3.52	–10.21	7.76	0.47	0.44	0.67	0.47	0.52	+11	–23

No.	Tycho Magnitudes					Colour Indices							Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag			Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3		44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
80801	10.849	0.045	10.168	0.039		0.630	0.049	T	0.70	0.04	L		10.2762	0.0028	0.026	122		10.23	10.33					1						
80802	10.902	0.059	9.572	0.031		1.142	0.055	T	4.77	0.11	O		8.5211	0.0438	0.384	97		8.00	9.11	331.00	P 1 B			1 V						P
80803	9.401	0.014	9.075	0.015		0.309	0.019	T	0.35	0.03	L		9.1108	0.0017	0.021	158		9.07	9.16		C			1 X						
80804	7.635	0.007	7.383	0.006		0.236	0.009	T	0.26	0.01	L		7.4053	0.0013	0.008	84		7.39	7.42		C			1						S
80805	8.740	0.021	8.122	0.019		0.575	0.025	T	0.65	0.02	L		8.1486	0.0015	0.011	37		8.13	8.19					1						S
80806	9.076	0.012	8.339	0.010	*	0.675	0.013	T	0.73	0.01	L	*	8.3968	0.0014	0.017	156	*	8.37	8.43		D	16301+3353	I 1	2 C	A	AB	48	0.204	0.006	0.54	0.16	S
80807	8.651	0.010	8.268	0.010		0.363	0.013	T	0.42	0.01	L		8.3047	0.0017	0.017	147		8.28	8.33					1						S
80808	9.531	0.017	8.189	0.010		1.138	0.015	T	1.10	0.02	L		8.2108	0.0017	0.016	141		8.19	8.24		C			1						S
80809	6.470	0.004	6.442	0.005		0.026	0.006	T	0.04	0.01	L		6.4553	0.0008	0.006	113		6.45	6.47		C			1 G						S
80810	10.644	0.043	9.887	0.035	A	0.500	0.495	G	0.73	0.09	L	*	9.9503	0.0030	0.019	86	*	9.92	9.98		D	16301−2226	I 1	2 C	D	AB	274	4.013	0.086	3.27	0.24	G D
80811	9.124	0.013	8.711	0.013		0.390	0.017	T	0.46	0.02	L		8.7506	0.0020	0.018	121		8.72	8.78					1						
80812	9.932	0.020	9.286	0.018		0.600	0.023	T	0.67	0.02	L		9.3390	0.0020	0.022	127		9.31	9.38					1						
80813	8.985	0.012	8.507	0.012		0.480	0.015	G	0.55	0.02	H		8.5398	0.0016	0.013	110		8.52	8.56		C			1						
80814	7.876	0.008	7.508	0.007		0.349	0.010	T	0.41	0.01	L		7.5544	0.0019	0.015	117		7.53	7.58		M			1						S
80815	4.624	0.002	4.768	0.002		−0.116	0.015	G	−0.12	0.02	A		4.7461	0.0007	0.004	82		4.74	4.75					1						S
80816	3.980	0.002	2.885	0.002		0.947	0.004	G	0.94	0.00	H		2.9378	0.0005	0.004	164		2.93	2.95		M	16302+2129	I 1	1 O						S D
80817						1.474	0.054	G	1.92	0.31	I		12.3102	0.0140	0.095	69		12.12	12.45		U			1	S					D
80818	7.688	0.006	7.057	0.005		0.582	0.006	T	0.65	0.01	L		7.1043	0.0009	0.009	117		7.09	7.12					1						S
80819	6.991	0.006	6.905	0.006		0.078	0.008	T	0.09	0.01	L		6.9239	0.0009	0.006	84		6.91	6.94					1						S
80820	7.096	0.004	7.078	0.005		0.021	0.006	T	0.04	0.01	L		7.0920	0.0010	0.009	138		7.08	7.11		C			1						S
80821	10.009	0.019	9.398	0.017		0.567	0.019	T	0.64	0.02	L		9.4302	0.0020	0.021	166		9.40	9.46					1						G
80822	9.872	0.019	9.139	0.016		0.672	0.020	T	0.73	0.02	L		9.1982	0.0016	0.019	173		9.16	9.23					1						
80823	10.872	0.058	10.078	0.043		0.720	0.056	T	0.77	0.04	L		10.1685	0.0039	0.033	109		10.11	10.23					1						G
80824						1.604	0.035	G	2.68	0.01	A		10.0278	0.0030	0.024	98		9.99	10.07		C			1						G
80825	11.900	0.136	11.444	0.154		0.370	0.015	G	0.43	0.02	H		11.3183	0.0068	0.061	150		11.19	11.41					1	S					S D
80826	10.825	0.039	9.751	0.025		0.930	0.035	T	0.92	0.03	L		9.8287	0.0028	0.032	158		9.76	9.90					1						
80827	8.563	0.009	7.934	0.008	*	0.584	0.015	G	0.66	0.01	H	*	7.9851	0.0016	0.013	123	*	7.96	8.01			16304+4044	H 1	2 C	C	AB	264	0.527	0.041	4.01	0.19	S
80828	10.007	0.021	9.431	0.019		0.538	0.025	T	0.61	0.03	L		9.5208	0.0030	0.032	147		9.47	9.57					1						
80829	8.012	0.007	7.760	0.009		0.289	0.008	G	0.33	0.01	H		7.7965	0.0015	0.015	128		7.77	7.82		M			1						S
80830	10.334	0.027	8.110	0.009		1.879	0.023	T	2.89	0.04	O		7.8081	0.0063	0.042	124		7.77	7.90		U 2			1	S					
80831	8.185	0.008	7.529	0.008		0.609	0.010	T	0.68	0.01	L		7.5962	0.0010	0.011	113		7.58	7.62		C			1						S
80832	9.896	0.017	9.489	0.018		0.398	0.021	T	0.46	0.02	L		9.4968	0.0019	0.019	130		9.46	9.53					1						G
80833	9.205	0.014	8.698	0.014		0.476	0.018	T	0.55	0.02	L		8.7753	0.0017	0.013	94		8.74	8.80					1						S
80834	9.488	0.023	8.876	0.021		0.570	0.027	T	0.64	0.03	L		8.9333	0.0021	0.011	52		8.91	8.96		C			1						
80835	9.410	0.015	8.900	0.015		0.479	0.019	T	0.55	0.02	L		8.9697	0.0017	0.017	116		8.94	8.99		C			1						S
80836	8.519	0.011	8.142	0.011		0.356	0.004	G	0.42	0.00	H		8.2031	0.0015	0.015	97		8.18	8.23					1						S
80837	7.929	0.010	7.334	0.011		0.545	0.021	G	0.65	0.02	A		7.3971	0.0011	0.011	55		7.38	7.42		C			1						S
80838	8.878	0.013	8.216	0.011		0.611	0.015	G	0.68	0.01	H		8.2809	0.0017	0.020	114		8.25	8.31					1						S
80839	8.237	0.008	7.084	0.005		0.990	0.007	T	0.97	0.01	L		7.1404	0.0012	0.012	152		7.12	7.16					1						S
80840	6.904	0.006	6.514	0.005		0.371	0.022	G	0.51	0.02	A		6.5609	0.0007	0.008	83		6.55	6.57					1						S
80841	11.390	0.097	10.540	0.075		0.740	0.020	G	0.79	0.01	H		10.8174	0.0051	0.036	89		10.75	10.88					1						G
80842	9.497	0.026	8.750	0.021	*	0.668	0.025	T	0.73	0.02	L	*	8.8556	0.0039	0.024	80	*	8.82	8.93		D	16306−1433	I 1	2 C	A	AB	228	9.460	0.009	1.06	0.03	
80843	6.863	0.005	5.383	0.002		1.274	0.005	G	1.28	0.04	G		5.3912	0.0010	0.009	125		5.37	5.41	8.90	P 1 A			1						S
80844	9.292	0.022	8.710	0.020		0.546	0.022	T	0.62	0.02	L		8.7611	0.0017	0.016	81		8.74	8.79		C			1						
80845	9.984	0.023	9.487	0.023		0.467	0.030	T	0.54	0.03	L		9.5817	0.0025	0.026	124		9.54	9.63		C			1						
80846	10.044	0.027	8.037	0.011		1.663	0.023	T	1.69	0.02	L		7.8937	0.0020	0.015	83		7.87	7.91					1						
80847	8.950	0.012	7.741	0.008	A	0.724	0.126	G	1.01	0.02	L	*	7.7854	0.0013	0.012	123	*	7.77	7.80		D	16306+4333	I 1	2 C	B	AB	173	1.302	0.064	3.62	0.13	S
80848	10.768	0.030	8.972	0.011		1.495	0.025	T	1.52	0.04	L		8.9330	0.0014	0.020	225		8.90	8.97					1						
80849	10.731	0.035	9.974	0.029		0.676	0.034	T	0.74	0.03	L		10.0107	0.0031	0.022	106		9.97	10.04		C			1						G
80850	7.600	0.008	6.464	0.004		0.995	0.005	G	0.97	0.00	H		6.5025	0.0009	0.006	98		6.49	6.51					1						S
80851	10.965	0.075	10.287	0.068		0.559	0.020	G	0.63	0.02	H		10.4001	0.0044	0.036	81		10.32	10.45					1						G
80852	10.109	0.021	8.325	0.009		1.486	0.018	T	1.51	0.03	L		8.2751	0.0016	0.017	141		8.24	8.30					1						
80853	10.796	0.045	10.571	0.055		0.215	0.067	T	0.24	0.08	L		10.8195	0.0717	0.551	116		9.99	11.30	0.46	P 1 A			1						G
80854	10.050	0.023	8.785	0.014		1.078	0.021	T	1.04	0.02	L		8.8514	0.0016	0.020	125		8.82	8.90		C			1						
80855	8.411	0.009	7.983	0.010		0.424	0.013	G	0.49	0.01	H		8.0286	0.0015	0.012	123		8.00	8.05					1						S
80856	11.205	0.048	10.224	0.033		0.848	0.045	T	0.89	0.05	L		10.2560	0.0032	0.042	171		10.17	10.35					1						
80857	10.012	0.030	9.273	0.025		0.662	0.030	T	0.72	0.03	L		9.3539	0.0020	0.018	89		9.32	9.39		D			1						
80858	8.290	0.006	8.295	0.008		0.000	0.009	T	0.02	0.01	L		8.3230	0.0016	0.018	192		8.29	8.35					1						
80859	8.144	0.010	7.807	0.008		0.307	0.013	G	0.35	0.02	H		7.8556	0.0015	0.011	88		7.84	7.88					1						S
80860	8.082	0.007	7.657	0.008		0.403	0.004	G	0.47	0.00	H		7.7130	0.0010	0.012	153		7.70	7.73		C			1						S
80861	9.038	0.012	8.493	0.011		0.536	0.015	G	0.61	0.02	H		8.5530	0.0015	0.015	128		8.52	8.58					1						S
80862	10.022	0.039	9.355	0.035		0.680	0.015	G	0.74	0.01	H		9.4735	0.0021	0.020	33		9.43	9.50		D			1						
80863	11.367	0.067	10.432	0.045		0.826	0.060	T	0.85	0.04	L		10.5049	0.0034	0.033	108		10.43	10.56		C			1						G
80864	9.386	0.032	8.783	0.029		0.593	0.015	G	0.66	0.01	H		8.8530	0.0018	0.012	38		8.83	8.88					1						
80865	8.313	0.007	8.294	0.009		0.022	0.011	T	0.04	0.01	L		8.3207	0.0014	0.016	149		8.29	8.35		C			1						
80866	10.893	0.046	9.281	0.019		1.350	0.039	T	1.32	0.04	L		9.2608	0.0020	0.023	138		9.22	9.32					1						
80867	10.252	0.025	8.656	0.012		1.337	0.022	T	1.30	0.03	L		8.6758	0.0017	0.021	150		8.64	8.72					1						
80868	11.443	0.091	10.066	0.043	A	1.025	0.015	G	1.07	0.02	I		10.3166	0.0306			A				D	16308−2820	I 2	1 C	I B						
80869	9.331	0.017	8.957	0.018		0.354	0.023	T	0.42	0.03	L		9.0017	0.0018	0.014	108		8.97	9.03					1						
80870	11.335	0.082	10.064	0.043	B	1.045	0.020	G	1.02	0.02	H		10.2642	0.0293	0.095	66	B	10.20	10.57		D	16308−2820	I 2	1 C P B						G
80871	10.518	0.036	9.366	0.021		0.990	0.032	T	0.97	0.03	L		9.4153	0.0026	0.024	105		9.37	9.48					1						
80872	10.194	0.049	8.847	0.028	A	1.000	0.495	G	1.09	0.07	L	*	8.7578	0.0014	0.013	43	*	8.73	8.78		D	16308−0218	I 1	2 C	A	AB	171	1.370	0.023	1.63	0.04	
80873	10.219	0.033	8.759	0.016		1.230	0.029	T	1.19	0.03	L		8.7790	0.0015	0.014	95		8.76	8.81		C			1						
80874	6.794	0.003	5.324	0.002		1.236	0.005	G	1.19	0.01	H		5.3579	0.0004	0.005	143		5.35	5.37					1						S
80875	11.169	0.057	9.118	0.017		1.698	0.047	T	1.72	0.05	L		8.9914	0.0017	0.016	99		8.95	9.01		C			1						
80876						1.430	0.020	G	1.75	0.05	I		12.0291	0.0087	0.088	156		11.87	12.19		U 2			1 X	S					G
80877	11.966	0.163	9.647	0.032		1.912	0.133	T	1.95	0.14	L		9.4217	0.0032	0.026	73		9.38	9.46					1						
80878						1.140	0.015	G	1.23	0.02	I		11.0751	0.0093	0.045	37		10.95	11.12					1 G						G
80879	10.092	0.019	8.848	0.012		1.700	0.495	G	1.68	0.51	J		8.8713	0.0027	0.029	198		8.81	8.92		D	16309+2603	I 2	1						
80880											T		11.0861	0.0508	0.642	191		9.67	11.66		D	16309+2603	I 2		S					G
80881	10.664	0.045	10.038	0.042		0.578	0.046	T	0.65	0.04	L		10.0693	0.0033	0.029	82		10.03	10.11					1						G
80882	10.767	0.037	8.870	0.013		1.576	0.031	T	1.59	0.03	L		8.7939	0.0027	0.024	169		8.75	8.84					1						
80883	3.958	0.021	3.901	0.019	A	0.022	0.014	G	0.03	0.02	A	*	3.8247	0.0005	0.004	48	*	3.82	3.83		D	16309+0159	I 1	2 C	A	AB	21	1.350	0.007	1.04	0.02	S
80884	7.845	0.005	7.230	0.005		0.573	0.006	T	0.65	0.01	L		7.2917	0.0008	0.010	156		7.27	7.31		C			1 X						S
80885	8.559	0.011	8.089	0.011	*	0.480	0.015	G	0.55	0.02	H	*	8.0884	0.0013	0.017	121	*	8.06	8.12		D	16309+3804	I 1	2 C	A	AB	193	0.564	0.003	0.26	0.01	S
80886	9.193	0.011	8.650	0.011		0.509	0.014	T	0.58	0.01	L		8.6998	0.0014	0.020	212		8.67	8.74					1						S
80887	8.698	0.009	8.646	0.012		0.098	0.017	G	0.11	0.02	H		8.6797	0.0019	0.019	144		8.64	8.70		U			1						
80888	8.392	0.010	6.469	0.004	*	1.640	0.015	G	1.65	0.09	H	*	6.3800	0.0021	0.019	136	*	6.35	6.41		U 2	16310+3514	H 1	2 C	C	AB	214	0.212	0.053	3.22	0.59	S
80889	12.043	0.173	10.861	0.104		1.165	0.015	G	1.13	0.01	I		10.8784	0.0061	0.030	69		10.82	10.93					1						G
80890	10.516	0.025	8.622	0.010		1.573	0.021	T	1.59	0.02	L		8.5950	0.0015	0.016	167		8.56	8.63		C			1						
80891	8.028	0.008	7.891	0.011		0.140	0.015	G	0.15	0.01	H		7.9303	0.0015	0.012	86		7.91	7.95		C			1						S
80892	9.715	0.018	8.082	0.009		1.367	0.016	T	1.34	0.02	L		8.0730	0.0011	0.012	136		8.05	8.10					1						
80893	11.385	0.066	9.798	0.026		1.330	0.056	T	1.29	0.07	L		9.8059	0.0022	0.025	121		9.76	9.85					1						
80894	5.470	0.003	4.390	0.002		0.924	0.006	G	0.89	0.02	A		4.4439	0.0004	0.004	84		4.44	4.45		C	16311−1636	I 1	1						S
80895	8.165	0.011	7.049	0.007		0.962	0.010	T	0.95	0.01	L		7.1021	0.0008	0.007	118		7.09	7.11					1 G						S
80896	9.005	0.013	8.577	0.013		0.433	0.015	G	0.50	0.02	H		8.6423	0.0015	0.014	80		8.61	8.67		C			1						
80897	8.887	0.010	8.577	0.011		0.280	0.015	G	0.32	0.02	H		8.6383	0.0016	0.014	103		8.62	8.66					1						
80898	7.891	0.006	5.955	0.003		1.605	0.006	G	1.61	0.09	H		5.8792	0.0014	0.012	144		5.86	5.90		U 2			1						S
80899	10.709	0.077	10.068	0.073		0.490	0.020	G	0.56	0.02	H		10.1119	0.0040	0.018	50		10.06	10.15		C			1						
80900	8.593	0.011	8.082	0.011		0.466	0.015	G	0.54	0.02	H		8.1454	0.0014	0.012	146		8.13	8.16		C			1						S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)												Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ $\alpha*$	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr													%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
80901	16 31 16.55	+51 08 17.0	8.41	H	247.818 961 82	+51.138 041 72		1.18	5.31	−19.18	0.63	0.69	0.73	0.73	0.73	+ 4	− 2	− 8	−10	− 5	− 3	− 5	− 9	− 3	+ 4		1	−0.62
80902	16 31 17.27	+79 47 24.0	7.01	H	247.821 959 20	+79.789 988 52		36.73	95.83	−87.97	0.48	0.60	0.56	0.62	0.76	−14	−19	−12	−24	+27	+ 2	+21	−16	−21	−35		0	−0.17
80903	16 31 17.96	+11 59 52.4	10.52	2 H	247.824 822 36	+11.997 894 17		6.51	−4.78	6.84	1.44	1.00	1.91	1.92	1.57	− 5	−18	+ 3	+52	− 1	+11	− 1	+52	− 5	+ 3		0	1.12
80904	16 31 18.20	−07 55 14.8	7.32	H	247.825 836 58	−07.920 777 34		9.59	−14.76	−31.54	0.93	0.52	1.01	0.95	0.79	−28	−41	− 5	+ 8	−17	− 9	− 3	+51	−23	−35		0	1.08
80905	16 31 18.24	+19 17 11.7	8.72	H	247.826 019 29	+19.286 596 83		1.84	−25.29	0.15	0.79	0.80	1.27	0.89	0.97	+32	−33	−16	+20	+21	+ 5	+22	+18	+ 0	+37		2	0.06
80906	16 31 20.08	+57 50 20.5	7.73	H	247.833 682 76	+57.839 039 84		3.10	−5.59	0.36	0.64	0.61	0.66	0.78	0.73	+ 3	−14	−11	− 7	+13	− 3	+11	+13	− 3	+10		3	2.05
80907	16 31 21.18	+01 18 31.4	6.79	H	247.838 244 48	+01.308 720 69		4.14	−13.59	26.00	0.90	0.72	0.98	1.00	0.94	− 5	−42	−20	+38	− 7	−13	−11	+40	+11	−34		3	0.88
80908	16 31 21.38	−41 03 33.1	8.72	H	247.839 095 79	−41.059 187 15		5.20	−29.52	−6.16	1.11	0.75	1.23	1.25	0.97	−19	−32	− 9	+ 3	+ 3	+ 0	+ 7	+36	− 2	−28		0	0.39
80909	16 31 22.52	+07 39 02.0	9.27	H	247.843 833 69	+07.650 564 21		3.38	−9.31	−15.99	0.91	0.64	1.31	1.21	0.96	−32	−23	+11	+19	−31	+12	−39	+53	− 8	−11		1	0.47
80910	16 31 22.87	−26 32 15.2	6.07	H	247.845 287 82	−26.537 551 83		14.48	−28.16	−37.56	0.75	0.57	0.82	0.94	0.72	−34	− 6	−21	+27	−17	+22	−13	+56	−26	−34		0	0.99
80911	16 31 22.94	−34 42 15.6	4.24	H	247.845 589 57	−34.704 320 87		4.37	−11.51	−18.56	0.74	0.42	0.80	0.68	0.54	−29	−52	+ 5	− 8	−10	+ 8	+11	+42	−23	−46		0	−0.15
80912	16 31 23.15	+16 25 11.8	7.54	H	247.846 463 13	+16.419 936 20		6.23	−51.61	−80.80	0.80	0.63	1.04	1.17	0.91	+11	−24	− 9	+28	− 5	−22	+ 4	+30	−37	+40		0	0.11
80913	16 31 23.20	−55 56 23.3	7.95	H	247.846 674 88	−55.939 807 44		1.48	−0.40	−6.63	0.77	0.67	0.96	0.92	0.82	+24	+ 8	+ 8	+51	+30	+18	+29	+68	− 3	+25		0	−0.96
80914	16 31 23.92	−40 38 51.9	8.72	H	247.849 652 64	−40.647 753 01		2.65	−15.05	−18.13	1.29	0.89	1.46	1.62	1.25	−32	− 7	−16	−13	−22	−14	−17	+57	−20	−39		0	−1.72
80915	16 31 24.45	+17 29 59.8	8.28	H	247.851 865 07	+17.499 952 86		2.38	14.28	−10.21	0.86	0.71	1.12	1.01	0.90	+41	−27	−11	+22	+27	+16	+28	+43	− 3	+45		2	1.68
80916 H	16 31 24.61	−65 13 05.5	8.91	H	247.852 531 77	−65.218 181 60	A	−0.60	−1.96	−6.24	1.84	1.97	2.32	1.76	2.21	+19	−26	− 9	−26	−27	+ 3	−33	+ 4	+25	+12		17	1.68
80917	16 31 24.91	+25 50 29.9	7.97	H	247.853 774 68	+25.841 632 37		2.27	23.79	−40.13	0.53	0.75	1.10	0.78	1.02	+12	−14	−19	−13	−10	+ 0	− 6	− 1	− 3	−17		2	0.17
80918 H	16 31 25.45	−65 12 57.3	10.28	H	247.856 057 29	−65.215 920 15	B	12.55	−8.08	0.72	7.74	8.49	7.69	6.26	7.54	+15	−25	+ 0	−29	−22	− 1	−31	+ 5	+29	+14		17	1.68
80919	16 31 26.46	−31 49 01.9	9.30	G	247.860 255 82	−31.817 208 00		3.02	7.44	2.47	1.24	0.80	1.50	1.68	1.17	−21	−14	− 9	− 5	+ 0	−19	− 4	+45	−37	+ 0		0	−0.87
80920 H	16 31 28.30	+72 36 43.9	6.27	H	247.867 917 90	+72.612 202 86	A	7.45	−36.92	55.72	0.64	0.61	0.61	0.61	0.63	+ 6	+ 2	− 8	− 4	− 2	− 5	− 2	− 3	− 2	+ 8		2	0.17
80921	16 31 28.48	−44 55 43.8	10.31	H	247.868 686 57	−44.928 830 92		7.74	−10.52	−19.40	1.77	1.26	2.15	2.05	1.77	−18	−31	+ 1	+ 4	−22	− 4	− 7	+58	−26	−27		0	−0.11
80922	16 31 28.85	−52 11 46.4	9.44	H	247.870 214 27	−52.196 216 66		4.49	−5.34	−9.56	1.60	0.92	1.95	2.04	1.31	+36	−27	−25	−11	+ 8	− 5	+ 9	+57	−31	+40		1	0.72
80923	16 31 29.09	+17 12 26.4	9.60	G	247.871 188 81	+17.207 339 05		2.94	1.11	−2.57	0.98	0.83	1.23	1.39	1.17	+29	− 8	+ 2	+16	+28	+ 4	+23	+39	− 7	+48		0	1.00
80924	16 31 30.00	−40 12 39.3	9.88	H	247.874 983 57	−40.210 930 30		6.33	28.05	−8.87	1.73	1.03	1.85	2.25	1.48	− 9	−25	−15	+ 1	+ 8	−13	+10	+55	−17	− 8		0	0.57
80925 H	16 31 30.35	−39 00 41.3	7.24	G	247.876 456 72	−39.011 465 18	A	40.60	−428.05	−333.41	1.68	1.21	1.75	1.47	1.43	−41	−19	−20	+12	−35	+14	−18	+70	−45	−46		4	2.66
*80926	16 31 30.60	+08 17 38.1	6.97	H	247.877 508 79	+08.293 928 49		12.36	37.15	70.73	0.62	0.49	0.93	0.76	0.71	−29	−22	+10	+28	−28	− 2	−31	+49	−12	−13		0	0.65
*80927	16 31 30.59	+33 30 49.3	7.09	H	247.877 454 18	+33.513 699 40		8.60	−25.40	−10.39	0.43	0.52	0.65	0.46	0.57	+ 4	− 7	−14	+12	+ 8	+14	+ 7	+ 7	−11	−11		1	1.36
*80928	16 31 30.60	−40 50 14.1	9.80	H	247.877 499 54	−40.837 241 25		5.31	−29.42	−6.96	1.47	1.00	1.63	1.79	1.31	−23	−20	−17	− 9	− 2	− 8	+ 0	+38	− 7	−29		0	−0.39
80929	16 31 31.26	+42 09 45.5	7.67	H	247.880 232 64	+42.162 648 90		4.20	−2.14	−14.35	0.57	0.67	0.74	0.71	0.84	+11	−12	−19	+14	+14	+ 3	+12	− 2	+21	+ 9		0	2.44
80930	16 31 32.54	+26 26 02.4	8.90	H	247.885 588 11	+26.434 007 42		14.42	−49.47	−249.76	0.65	0.92	1.28	0.89	1.29	+ 2	− 9	− 9	−13	− 8	− 8	− 7	−11	−13	−20		0	2.63
80931	16 31 33.15	−53 58 23.4	13.12	3 H	247.888 121 94	−53.973 155 20		9.89	−30.68	−38.68	6.75	5.52	10.09	8.24	7.61	+23	−30	−14	+64	+14	−18	+30	+82	−37	+ 5		1	0.55
80932 H	16 31 33.89	−41 39 23.1	9.36	H	247.891 207 36	−41.656 405 82	A	6.69	−68.91	−30.40	2.68	1.66	2.48	2.62	2.03	−17	−26	+15	+ 5	−29	−28	+ 0	+58	+18	−57		1	−0.05
80933	16 31 34.36	+08 17 57.7	8.26	H	247.893 175 20	+08.299 355 05		12.86	40.35	72.01	0.77	0.62	1.14	0.90	0.85	−28	−33	+20	+27	−27	−11	−31	+51	+ 4	−12		0	1.46
80934 H	16 31 36.82	+57 45 51.1	8.28	G	247.903 411 45	+57.764 189 91	A	6.06	54.53	−31.81	1.19	1.18	1.11	1.26	1.25	+ 9	−14	− 5	− 9	+ 8	+11	+12	− 5	− 3	− 9		4	1.83
80935 H	16 31 36.91	−60 41 28.2	9.01	H	247.903 785 95	−60.691 168 16	A	5.49	−28.01	−16.56	1.34	1.15	1.70	1.43	1.26	− 8	−15	+ 8	+ 6	− 1	+ 1	+ 1	+33	− 7	−13		2	−0.49
80936	16 31 37.13	+12 25 17.1	8.52	G	247.904 688 56	+12.421 412 60		20.62	−85.95	56.32	0.91	0.69	1.21	1.05	0.93	− 3	−21	−16	+44	−11	+ 4	− 5	+44	−25	− 9		1	1.54
80937	16 31 37.30	−22 48 04.3	8.53	H	247.905 422 14	−22.801 197 31		5.19	−8.34	−10.40	1.24	0.92	1.25	1.32	1.22	−26	−36	−10	+38	−39	+ 1	−26	+68	−15	−48		2	1.69
80938	16 31 37.95	−36 06 10.7	9.39	H	247.908 133 92	−36.102 979 45		2.98	−7.19	−8.01	1.21	0.81	1.43	1.32	1.12	−30	−25	− 9	− 2	−16	+17	+ 0	+55	−38	−42		0	−0.11
80939 H	16 31 38.57	+05 26 01.5	7.50	H	247.910 691 77	+05.433 756 86	A	12.18	−42.75	−20.42	1.51	0.95	1.62	1.37	1.12	−11	−54	+ 6	+39	−27	−17	−21	+54	− 8	−20		0	−0.66
80940	16 31 38.71	−17 42 48.2	8.04	H	247.911 307 37	−17.713 379 66		4.83	−10.94	−12.33	1.03	0.61	1.09	1.06	0.73	−15	−40	+ 3	+25	+ 7	+13	+13	+39	−17	−12		0	−0.79
80941	16 31 40.02	+29 36 20.3	8.01	H	247.916 751 39	+29.605 629 37		3.16	4.69	3.39	0.54	0.66	0.88	0.62	0.75	+12	+ 0	− 5	+18	+17	−12	+19	−24	+ 3	+19		1	−0.34
80942	16 31 40.11	−31 39 09.9	8.93	H	247.917 113 13	−31.652 756 36		3.42	−10.57	−5.10	1.16	0.71	1.42	1.44	0.95	−16	− 9	+ 3	−11	+ 5	−23	+ 4	+26	−35	+ 4		0	−1.31
80943	16 31 40.14	−43 13 03.8	7.76	H	247.917 267 47	−43.217 724 99		8.79	−1.02	−14.02	0.80	0.61	0.95	0.88	0.76	−19	−30	−17	+ 7	−21	+14	− 6	+53	−29	−35		0	0.48
80944	16 31 40.23	−76 21 19.7	8.68	H	247.917 632 58	−76.355 466 78		1.86	2.27	1.74	0.62	0.81	0.97	0.65	0.94	+21	−14	− 1	−19	− 3	− 2	− 6	− 5	+ 5	+34		0	−0.24
80945	16 31 41.77	−41 49 01.7	5.31	1 H	247.924 047 18	−41.817 142 08		0.38	−3.45	−1.06	0.78	0.52	0.88	0.77	0.66	−23	−44	−23	−21	−10	+ 0	+11	+25	−13	−66		0	−0.80
80946	16 31 42.96	+70 55 59.6	8.23	G	247.928 998 15	+70.933 232 41		7.32	−65.94	23.18	0.60	0.57	0.61	0.65	0.64	+ 7	+ 8	− 6	−37	− 5	−22	− 4	+15	− 7	+ 1		0	0.71
80947	16 31 43.34	−68 54 47.6	10.15	H	247.930 590 09	−68.913 223 06		−1.17	6.34	−1.34	0.78	1.20	1.75	0.96	1.27	+ 7	−15	+12	+24	− 8	−25	− 5	+13	+ 7	+ 9		0	−0.49
80948	16 31 44.58	−64 28 24.1	6.61	H	247.935 762 64	−64.473 374 01		2.81	0.25	−14.18	0.53	0.51	0.75	0.58	0.61	+ 3	−11	−15	−40	−40	+12	−37	+11	+ 6	−10		1	0.18
80949 H	16 31 45.09	−02 15 36.0	8.39	G	247.937 866 62	−02.259 986 17	*	5.60	20.99	−18.91	1.55	1.35	1.39	1.94	1.91	−60	− 6	+ 2	+61	−52	+26	−52	+80	−14	−62		0	−0.27
80950 H	16 31 45.66	−55 03 55.4	8.83	G	247.940 260 27	−55.065 394 74	*	3.60	−0.34	−3.45	2.24	1.65	1.67	1.94	1.51	+39	− 8	− 5	+68	+57	−10	+59	+76	−17	+68		0	−1.09
80951	16 31 45.76	−29 38 42.4	9.57	H	247.940 664 55	−29.645 108 52		6.90	40.73	−9.86	1.53	1.12	1.56	1.91	1.45	−38	−19	−15	+44	−30	+22	−20	+70	−27	−45		0	0.16
80952	16 31 45.99	−02 01 31.4	8.60	G	247.941 643 50	−02.025 378 47		7.74	5.87	−1.11	1.29	1.07	1.35	1.66	1.66	−36	−21	−18	+42	−43	+24	−29	+70	−25	−57		0	0.92
80953	16 31 47.23	+45 35 53.5	5.61	G	247.946 811 11	+45.598 184 03	A	14.48	−7.89	39.89	0.54	0.55	0.58	0.54	0.59	+ 1	−17	−11	+10	+ 5	−14	+ 8	+ 0	−21	−10		0	−0.27
80954 H	16 31 47.96	−07 01 23.6	7.41	G	247.949 816 00	−07.023 229 41	A	5.53	−11.00	−15.11	2.10	1.40	1.71	1.89	1.64	−15	−40	+12	+ 7	−13	−12	+10	+44	+ 0	−48		3	−0.68
80955	16 31 48.31	−42 44 24.7	8.65	H	247.951 301 01	−42.740 187 39		7.81	−38.66	−12.17	1.04	0.67	1.18	1.16	0.90	−15	−23	−20	−19	+ 0	+ 2	+18	+28	−23	−45		0	−1.43
80956	16 31 49.64	−00 02 33.1	7.85	H	247.956 826 67	−00.042 541 50		5.12	−3.68	4.92	1.24	0.88	1.40	1.57	1.25	+ 8	−40	−18	+27	+13	−30	+ 7	+39	+ 6	− 6		0	−0.52
80957 H	16 31 51.29	−62 17 24.8	7.24	G	247.963 727 49	−62.290 209 89	A	4.36	−8.31	−8.93	1.41	1.21	1.65	1.69	1.35	+ 7	+ 0	− 3	+15	+ 5	− 7	+ 7	+48	+ 6	− 4		2	1.84
80958	16 31 53.64	+34 49 11.0	9.73	H	247.973 482 95	+34.819 710 95		9.87	−20.53	−2.74	0.88	1.01	1.28	1.03	1.20	− 5	− 6	− 7	+10	− 1	−10	− 2	+ 8	− 6	−17		0	1.73
80959	16 31 53.92	−26 00 40.9	8.25	H	247.974 668 44	−26.011 369 56		8.60	−52.97	−5.08	1.15	0.90	1.33	1.39	1.15	−47	+ 5	−32	+32	−27	+16	−29	+69	−45	−38		0	0.04
80960	16 31 54.33	+26 01 55.4	7.73	H	247.976 371 20	+26.032 067 67		3.48	−11.15	−68.93	0.48	0.71	0.99	0.68	0.96	+ 9	−13	−11	−13	− 8	− 7	− 7	−10	− 8	−18		0	0.29
80961	16 31 55.62	+52 59 27.0	8.69	2 H	247.981 762 49	+52.990 846 25		2.50	−7.57	6.29	0.66	0.64	0.71	0.81	0.76	+11	− 3	− 3	− 9	+ 3	+19	+ 6	+ 5	− 2	− 2		0	1.71
80962 H	16 31 55.93	−69 18 34.5	9.66	H	247.983 053 83	−69.309 586 24	*	4.92	−4.24	−24.30	0.65	1.11	1.58	0.65	1.34	+24	−11	+ 8	− 2	− 2	−10	− 4	+16	− 3	+33		2	0.61
80963	16 31 56.10	+44 15 51.1	7.77	G	247.983 732 39	+44.264 181 87		13.88	−21.86	7.58	0.54	0.56	0.62	0.63	0.63	+ 8	− 6	− 6	+11	+21	−10	+20	− 1	− 2	+10		0	1.75
80964	16 31 56.47	+09 24 52.3	6.51	H	247.985 285 00	+09.414 519 64		11.11	−12.22	−39.57	0.76	0.53	0.91	0.89	0.71	+12	−31	−19	+50	+ 9	− 6	+ 5	+52	−34	+ 7		0	−1.26
80965	16 31 59.44	−44 53 12.4	7.61	2 H	247.997 663 18	−44.886 773 16		2.77	12.14	−4.33	0.84	0.63	0.98	0.89	0.79	−11	−34	−19	+ 2	−22	+16	− 8	+46	−27	−27		0	−0.49
80966	16 31 59.60	+60 28 48.7	7.95	H	247.998 346 26	+60.480 198 44		8.85	0.50	60.53	0.62	0.63	0.67	0.71	0.76	+ 6	−13	−16	+10	+15	−19	+14	−10	+ 6	+ 9		0	0.04
80967	16 31 59.79	+24 39 18.0	9.07	H	247.999 129 23	+24.655 011 35		1.87	−0.94	−24.57	0.50	0.87	1.25	0.57	1.05	− 4	− 1	−13	+ 6	+ 4	− 7	+ 8	−16	− 8	+15		0	−0.04
80968	16 32 01.03	−09 41 45.9	7.28	G	248.004 271 87	−09.696 091 74		11.85	5.54	17.11	0.94	0.52	1.02	1.00	0.73	−36	−36	+12	+23	− 9	− 4	− 1	+49	−23	−21		2	0.15
80969	16 32 02.15	+22 34 56.2	9.06	H	248.008 940 03	+22.582 271 98		4.17	−34.12	−45.24	0.79	0.92	1.33	0.88	1.15	+ 1	−21	− 9	− 8	−15	+ 3	− 8	+12	−25	− 8		0	0.72
80970	16 32 02.56	−67 17 40.4	8.55	G	248.010 659 71	−67.294 554 79		3.29	6.02	−35.23	0.71	0.80	1.28	0.87	0.95	+21	− 9	− 1	−34	+11	+ 1	+13	+ 3	+14	+ 9		0	−0.24
80971	16 32 03.91	+03 21 43.4	7.29	H	248.016 295 43	+03.362 045 77		6.35	−16.14	12.71	0.95	0.67	0.98	1.07	0.94	−12	−37	−16	+32	−23	−12	−18	+56	− 7	−33		2	0.23
80972	16 32 04.96	−35 47 08.8	9.56	H	248.020 666 62	−35.785 774 36		14.49	−8.93	8.15	5.37	2.86	6.00	5.40	3.82	−18	−34	− 4	−27	+13	+11	+28	+24	−39	−25		0		
80973	16 32 06.25	−48 48 32.7	8.81	H	248.026 048 42	−48.809 075 61		4.48	−0.56	−5.72	1.35	0.86	1.37	1.64	1.18	+44	−24	−13	+49	+40	+ 4	+43	+71	−20	+42		0	0.06
80974	16 32 08.10	−12 25 53.8	6.98	H	248.033 740 23	−12.431 620 15		6.85	−21.60	−8.83	0.84	0.52	0.87	1.04	0.83	−33	−32	− 2	−12	+21	+ 0	+28	+ 3	− 2	−54		0	1.61
80975	16 32 08.19	−21 27 59.3	4.45	G	248.034 110 79	−21.466 477 83		18.66	20.21	36.23	0.66	0.48	0.71	0.76	0.63	−19	−25	− 4	+14	− 7	−17	− 2	+33	+ 3	−40		0	−0.35
80976	16 32 08.31	−57 14 07.8	8.06	H	248.034 627 35	−57.235 487 24		2.25	−4.44	−7.10	0.77	0.63	1.17	0.84	0.82	+18	−30	− 9	+31	+21	−19	+29	+52	−35	+21		0	−1.25
80977	16 32 11.12	−35 43 35.0	9.58	H	248.046 320 91	−35.726 401 66		8.59	17.13	−13.64	1.46	0.79	1.58	1.51	1.00	−23	−30	+ 7	−19	+16	+13	+26	+31	−29	−25		0	−0.18
80978	16 32 11.72	−69 45 56.0	8.47	2 H	248.048 832 20	−69.765 551 84		1.79	−1.99	−15.35	0.46	0.75	1.09	0.51	0.91	+21	−11	+ 2	−11	− 7	−11	− 6	− 3	−12	+27		0	−0.61
80979 H	16 32 13.28	−47 07 07.3	10.64	H	248.055 347 36	−47.118 680 89	A	2.73	−7.45	11.05	5.80	5.51	6.46	6.70	7.09	−48	− 7	−37	+36	−60	+24	−46	+88	−51	+58		1	1.20
80980	16 32 14.05	−32 08 22.5	8.78	H	248.058 555 65	−32.139 581 71		1.96	6.89	2.79	1.27	0.71	1.51	1.67	1.00	−10	−36	− 7	+21	+28	−16	+30	+45	−45	+20		5	−0.62
80981	16 32 15.38	+10 13 22.0	11.28	2 H	248.064 067 73	+10.222 777 52		18.27	−131.23	163.56	2.39	1.84	2.98	3.45	2.88	−52	+ 4	+ 4	+55	−37	+ 8	−43	+65	−14	−22		1	−2.61
80982	16 32 15.57	−43 49 19.5	8.89	H	248.064 877 27	−43.822 090 12		13.09	−55.80	−44.15	1.09	0.80	1.20	1.30	1.00	− 1	−29	−14	+22	+ 2	+14	+ 8	+38	−12	− 6		0	−0.16
80983	16 32 17.56	−50 32 30.9	8.67	H	248.073 184 16	−50.541 918 87		0.15	−1.46	−5.36	0.88	0.72	1.05	1.16	0.97	−10	−20	−24	+14	−38	+16	−21	+66	−21	−36		0	0.58
80984	16 32 18.49	−76 30 36.6	8.17	H	248.077 034 79	−76.510 174 38		13.78	−116.33	−129.83	0.55	0.69	0.86	0.60	0.83	+13	−25	−12	− 2	+ 0	−10	− 3	+ 3	+ 9	+13		0	0.58
80985	16 32 19.94	+24 50 56.8	7.76	H	248.083 079 88	+24.849 110 88		7.66	−15.35	−11.89	0.35	0.60	0.86	0.41	0.72	− 8	+ 1	−17	−10	+ 1	− 4	+ 1	−17	−10	+ 4		0	0.41
80986	16 32 21.63	+30 07 25.9	7.41	H	248.090 116 32	+30.123 850 69		3.03	36.46	−46.07	0.51	0.63	0.87	0.60	0.71	+11	− 3	−19	+15	+15	−13	+12	−21	+ 4	+ 6		0	0.84
80987	16 32 23.09	−34 14 17.7	8.65	H	248.096 208 63	−34.238 243 87		13.32	−43.38	−49.31	0.94	0.61	1.07	1.06	0.80	−22	−26	−12	+ 7	− 4	+17	+ 8	+44	−31	−32		0	−1.43
80988	16 32 23.69	−18 00 10.5	9.78	H	248.098 707 55	−18.002 911 80		9.62	−19.74	−0.68	1.59	1.01	1.75	1.97	1.33	−16	−30	+ 5	+29	+ 8	−13	+15	+33	−29	+ 8		0	−0.70
80989	16 32 24.31	−51 11 42.5	10.40	H	248.101 308 25	−51.195 129 20		1.09	0.73	−7.53	1.72	1.33	2.15	2.53	1.96	+ 3	−18	−18	+21	−21	+16	− 7	+71	−21	−17		2	0.74
*80990	16 32 25.85	−83 54 09.4	9.65	3 H	248.107 712 95	−83.902 624 49		1.48	−57.83	−121.26	0.72	0.80	0.94	0.89	0.94	− 2	− 7	+21	−15	−11	−14	− 8	+15	− 5	+10		0	−1.20
*80991	16 32 25.66	+60 49 24.0	5.92	H	248.106 897 67	+60.823 346 94		9.72	20.65	−9.79	0.48	0.53	0.54	0.59	0.67	+ 5	+ 5	−25	− 8	+ 7	− 7	+ 6	− 8	+16	+12		0	0.29
80992	16 32 26.15	−20 45 07.7	8.30	H	248.108 942 44	−20.752 147 59		2.50	7.60	2.13	1.10	0.74	1.17	1.46	1.01	−15	− 7	− 2	+17	+15	−15	+16	+28	+ 6	−27		3	0.62
80993	16 32 26.88	+27 42 34.0	7.72	H	248.112 005 77	+27.709 440 55		2.74	2.28	11.54	0.54	0.72	0.96	0.62	0.99	+11	−16	− 5	−27	+ 2	+13	+ 6	−28	− 3	+14		0	0.41
80994	16 32 29.48	+16 50 51.4	7.51	H	248.122 843 48	+16.847 619 19		8.75	−31.40	11.96	0.68	0.56	0.95	1.00	0.80	+27	−24	−10	+21	+14	−16	+16	+29	−31	+56		0	0.88
80995	16 32 30.26	+00 11 36.3	9.72	H	248.126 072 48	+00.193 415 05		4.39	11.03	−21.23	1.86	1.02	1.87	2.40	1.75	+10	−48	+ 2	+17	+11	−13	+18	+56	−15	+15		0	0.07
80996	16 32 30.45	−83 35 32.0	7.91	G	248.126 856 85	−83.592 222 91		3.71	−28.06	−40.90	0.55	0.60	0.71	0.64	0.69	+ 0	−10	+ 8	−10	−16	−14	−13	− 9	−14	− 3		1	−0.05
80997	16 32 31.06	+13 09 23.5	8.18	H	248.129 426 99	+13.156 524 55		8.73	61.92	−111

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
80901	10.075	0.024	8.553	0.012		1.279	0.021	T	1.24	0.02	L	8.5699	0.0021	0.014	107		8.55	8.60					1							
80902	7.757	0.006	7.089	0.006		0.607	0.005	G	0.68	0.00	H	7.1386	0.0012	0.010	109		7.12	7.16					1 G							S
80903	10.890	0.047	10.532	0.054		0.339	0.067	T	0.40	0.09	L	10.5981	0.0212	0.207	152		10.26	10.79	0.15	P 1 A			1							G P
80904	7.899	0.011	7.369	0.010		0.497	0.013	T	0.57	0.01	L	7.4347	0.0010	0.007	108		7.42	7.45		C			1							S
80905	10.096	0.025	8.835	0.015		1.075	0.023	T	1.04	0.02	L	8.8916	0.0015	0.016	114		8.86	8.92					1							
80906	9.550	0.018	7.855	0.009		1.400	0.015	G	1.30	0.03	L	7.8786	0.0011	0.011	95		7.86	7.90		C			1							S
80907	8.566	0.018	6.932	0.009		1.390	0.015	G	1.36	0.02	H	6.9357	0.0014	0.009	49		6.92	6.95					1							S
80908	9.499	0.017	8.785	0.015		0.643	0.017	T	0.71	0.01	L	8.8581	0.0019	0.017	94		8.82	8.88					1							
80909	9.495	0.015	9.278	0.018		0.207	0.022	T	0.23	0.03	L	9.3360	0.0017	0.016	163		9.30	9.36					1							
80910	7.485	0.008	6.205	0.005		1.085	0.004	G	1.05	0.00	H	6.2426	0.0009	0.008	89		6.23	6.26		C			1							S
80911	4.030	0.002	4.208	0.002		−0.168	0.016	G	−0.17	0.02	A	4.1824	0.0005	0.004	116		4.18	4.19		C			1							S
80912	9.066	0.015	7.685	0.009		1.169	0.014	T	1.13	0.01	L	7.7045	0.0010	0.012	100		7.69	7.72		D			1							S
80913	8.029	0.007	7.967	0.008		0.093	0.007	G	0.11	0.01	H	7.9841	0.0012	0.011	135		7.97	8.00		C			1							S
80914	10.979	0.049	8.931	0.017		1.696	0.041	T	1.72	0.04	L	8.8217	0.0024	0.016	87		8.79	8.85		C			1							
80915	9.661	0.018	8.396	0.011		1.078	0.016	T	1.04	0.01	L	8.4495	0.0013	0.014	114		8.43	8.48		C			1							
80916	8.894	0.012	8.845	0.015	A	0.069	0.064	G	0.07	0.02	L *	8.9370	0.0056	0.027	133	A	8.90	9.00		D	16314−6513	I 2	1 C P A							
80917	9.269	0.011	8.092	0.007		1.009	0.010	T	0.98	0.01	L	8.1415	0.0012	0.015	207		8.11	8.17		C			1							S
80918	10.506	0.044	10.268	0.058	B						T *	10.4411	0.0199			B				D	16314−6513	I 2	1 C I A							
80919	9.900	0.026	9.337	0.024		0.554	0.015	G	0.63	0.01	H	9.4210	0.0030	0.019	93		9.39	9.45					1							
80920	7.968	0.009	6.431	0.005	*	1.291	0.008	T	1.25	0.01	L *	6.4273	0.0008	0.007	103	*	6.41	6.44		D	16315+7237	H 1	2 C A	AB	170	0.971	0.028	3.89	0.12	S
80921	10.796	0.046	10.291	0.050		0.475	0.062	T	0.55	0.07	L	10.4100	0.0039	0.026	92		10.37	10.46					1							G
80922	11.040	0.048	9.638	0.023		1.185	0.042	T	1.15	0.04	L	9.6044	0.0021	0.021	162		9.56	9.64					1							G
80923	9.856	0.022	9.600	0.026		0.200	0.015	G	0.22	0.02	H	9.6731	0.0021	0.022	118		9.63	9.71		C			1							
80924	10.637	0.037	9.911	0.033		0.652	0.037	T	0.72	0.03	L	10.0059	0.0025	0.021	80		9.97	10.06		C			1							G
80925	8.360	0.013	7.391	0.008	A	0.858	0.011	G	0.90	0.01	H *	7.3796	0.0009	0.008	93	*	7.36	7.39		D	16315−3901	M 1	2 C A	AC	222	4.067	0.024	3.04	0.07	S
80926	8.104	0.007	7.064	0.005		0.904	0.006	T	0.91	0.00	L	7.1348	0.0009	0.010	195		7.12	7.15		C	16315+0818	I 2	1							S
80927	7.228	0.005	7.122	0.005		0.103	0.007	T	0.12	0.01	L	7.1347	0.0008	0.009	131		7.12	7.15		C	16315+3331	I 1	1							S
80928	10.399	0.031	9.812	0.030		0.549	0.032	T	0.62	0.03	L	9.9206	0.0036	0.023	92		9.88	9.95					1							G
80929	9.001	0.013	7.775	0.008		1.047	0.012	T	1.02	0.01	L	7.8335	0.0012	0.011	113		7.81	7.86					1							S
80930	9.831	0.017	8.992	0.013		0.738	0.016	T	0.79	0.01	L	9.0433	0.0021	0.025	181		9.00	9.09					1							
80931											T	13.2065	0.0621	0.398	91		12.49	14.09		P 1 A			1 S							D P
80932	10.264	0.057	9.503	0.047	A	0.300	0.495	G	0.68	0.05	L *	9.4945	0.0025	0.021	94	*	9.46	9.53		D	16316−4139	I 1	2 C A	AB	64	1.174	0.027	1.99	0.07	G
80933	8.967	0.011	8.318	0.010		0.602	0.013	T	0.67	0.01	L	8.3883	0.0012	0.016	198		8.36	8.42			16315+0818	I 2	1							S
80934	8.687	0.013	8.390	0.014	A	0.331	0.003	G	0.39	0.00	H *	8.3250	0.0019	0.013	99	*	8.30	8.35		D	16316+5745	I 1	2 C A	AB	216	1.353	0.008	1.49	0.03	S
80935	9.610	0.015	9.108	0.015	*	0.483	0.016	T	0.55	0.02	L *	9.1157	0.0017	0.018	152	*	9.09	9.15		D	16316−6041	I 1	2 C A	AB	267	0.610	0.006	1.75	0.03	
80936	9.436	0.015	8.568	0.012		0.760	0.015	T	0.80	0.01	L	8.6588	0.0022	0.023	149		8.62	8.70					1							S
80937	10.094	0.033	8.731	0.019		1.154	0.030	T	1.12	0.03	L	8.6968	0.0017	0.014	67		8.68	8.72		C			1 S							
80938	11.468	0.063	9.582	0.019		1.567	0.052	T	1.59	0.05	L	9.5147	0.0024	0.022	134		9.48	9.55		C			1 S							
80939	7.878	0.010	7.501	0.011	*	0.357	0.014	T	0.42	0.01	L *	7.5844	0.0012	0.009	121	*	7.57	7.60		D	16316+0526	I 1	2 C A	AB	313	6.742	0.004	1.55	0.02	S
80940	8.203	0.011	8.055	0.013		0.150	0.005	G	0.17	0.01	H	8.0912	0.0020	0.014	80		8.06	8.12		C			1							S
80941	9.471	0.016	8.137	0.009		1.130	0.015	G	1.09	0.02	H	8.1774	0.0012	0.015	156		8.16	8.21					1							S
80942	11.091	0.055	9.135	0.018		1.622	0.046	T	1.64	0.05	L	9.0426	0.0013	0.014	95		9.02	9.07		C			1							
80943	8.056	0.008	7.788	0.013		0.255	0.014	T	0.29	0.02	L	7.8285	0.0012	0.012	100		7.81	7.85					1							S
80944	10.199	0.025	8.801	0.014		1.182	0.022	T	1.14	0.02	L	8.8458	0.0023	0.020	156		8.82	8.89					1							
80945	5.670	0.004	5.355	0.004		0.299	0.005	T	0.34	0.01	L	5.3870	0.0028	0.021	87		5.36	5.42	6.33	P 1 A	16317−4149	I 1	1							S
80946	8.729	0.011	8.270	0.011		0.448	0.015	G	0.52	0.02	H	8.3291	0.0011	0.010	101		8.31	8.35		C			1							S
80947	10.633	0.030	10.211	0.031		0.412	0.035	T	0.48	0.04	L	10.2420	0.0036	0.041	181		10.16	10.30					1							G
80948	6.538	0.003	6.596	0.004		−0.042	0.001	G	−0.02	0.00	H	6.5993	0.0006	0.008	151		6.59	6.61		C			1							S
80949	9.210	0.025	8.467	0.021	*	0.628	0.002	G	0.70	0.00	H *	8.5112	0.0021	0.013	54	*	8.48	8.53		D	16318−0216	I 1	2 C S A	AB	229	0.146	0.007	0.04	0.47	S
80950	8.971	0.011	8.887	0.013	*	0.150	0.015	G	0.17	0.01	H *	8.8606	0.0024	0.018	136	*	8.83	8.90		D	16318−5504	I 1	2 C A	AB	239	0.285	0.004	0.06	0.05	
80951	10.198	0.033	9.585	0.031		0.569	0.033	T	0.64	0.03	L	9.6986	0.0024	0.017	84		9.67	9.73		C			1							G
80952	9.129	0.026	8.632	0.026		0.458	0.015	G	0.53	0.02	H	8.7137	0.0018	0.012	54		8.70	8.74		C			1							
80953	5.804	0.003	5.682	0.003	A	0.125	0.005	G	0.14	0.01	H	5.7192	0.0053	0.014	145	A	5.70	5.74		D	16318+4536	I 1	2 C A	AB	196	16.356	0.021	3.08	0.09	S
80954	7.671	0.006	7.479	0.008	*	0.180	0.015	G	0.20	0.02	H *	7.4859	0.0009	0.008	91	*	7.47	7.50		D	16318−0701	I 1	2 C A	AB	195	0.405	0.002	0.38	0.01	S
80955	9.610	0.023	8.711	0.018		0.784	0.023	T	0.82	0.02	L	8.7946	0.0017	0.016	87		8.78	8.83		C			1							
80956	9.639	0.039	7.998	0.019		1.373	0.034	T	1.34	0.04	L	8.0027	0.0026	0.010	35		7.98	8.02					1							
80957	7.279	0.010	7.328	0.013	*	−0.023	0.015	G	0.00	0.01	H *	7.2405	0.0010	0.011	126	*	7.22	7.26		D	16319−6217	I 1	2 C A	AB	197	1.069	0.002	0.31	0.01	S
80958	10.363	0.030	9.771	0.028		0.552	0.036	T	0.62	0.03	L	9.8546	0.0032	0.028	129		9.81	9.90		C			1 G							S
80959	8.916	0.016	8.317	0.015		0.563	0.015	G	0.64	0.01	H	8.3680	0.0023	0.015	75		8.34	8.39					1							
80960	8.972	0.010	7.833	0.007		0.979	0.010	T	0.96	0.01	L	7.8978	0.0010	0.015	196		7.87	7.92					1							S
80961	9.217	0.015	8.755	0.015		0.443	0.015	G	0.51	0.02	H	8.7937	0.0049	0.042	101		8.75	8.89	2.27	P 1 A	16320+5259	I 1	1 S							
80962	10.102	0.017	9.753	0.019	*	0.339	0.022	T	0.40	0.03	L *	9.7451	0.0021	0.030	240	*	9.69	9.81			16319−6919	H 1	2 C S A	AB	241	0.155	0.015	0.15	0.60	G
80963	8.305	0.010	7.823	0.009		0.478	0.015	G	0.55	0.02	H	7.8793	0.0010	0.010	122		7.85	7.90		C			1							S
80964	7.008	0.004	6.553	0.003		0.429	0.005	T	0.50	0.01	L	6.6051	0.0008	0.007	194		6.59	6.62					1 G							S
80965	9.998	0.030	7.825	0.011		1.837	0.026	T	2.58	0.05	O	7.6162	0.0062	0.035	92		7.58	7.68		U 2			1							P
80966	9.319	0.016	8.086	0.010		1.053	0.015	T	1.02	0.01	L	8.1122	0.0013	0.012	105		8.08	8.13		C			1							S
80967	10.285	0.020	9.165	0.012		0.965	0.018	T	0.95	0.01	L	9.2325	0.0016	0.024	256		9.20	9.28		C			1							
80968	7.838	0.008	7.359	0.007		0.496	0.003	G	0.57	0.00	H	7.3971	0.0007	0.008	130		7.38	7.41		C			1							S
80969	10.468	0.030	9.184	0.017		1.093	0.027	T	1.05	0.03	L	9.2254	0.0031	0.029	135		9.19	9.27		R			1							
80970	9.600	0.014	8.652	0.011		0.840	0.002	G	0.86	0.00	H	8.7078	0.0016	0.020	176		8.68	8.74					1							
80971	7.578	0.008	7.330	0.008		0.236	0.011	T	0.26	0.01	L	7.3613	0.0013	0.012	84		7.34	7.38					1							S
80972	10.542	0.030	9.627	0.021		0.797	0.028	T	0.83	0.02	L	9.6997	0.0029	0.022	120		9.67	9.74					1 X							G
80973	11.056	0.047	9.024	0.015		1.683	0.039	T	1.71	0.04	L	8.9199	0.0018	0.018	122		8.89	8.95					1							
80974	7.153	0.005	6.999	0.007		0.140	0.008	T	0.15	0.01	L	7.0338	0.0012	0.008	92		7.02	7.04					1							S
80975	4.613	0.002	4.457	0.003		0.130	0.002	G	0.12	0.02	A	4.4857	0.0004	0.005	86		4.48	4.50		C			1							S
80976	9.013	0.011	8.161	0.009		0.764	0.011	T	0.80	0.01	L	8.2121	0.0016	0.014	139		8.19	8.24					1							S
80977	10.095	0.022	9.618	0.022		0.462	0.024	T	0.53	0.03	L	9.6792	0.0028	0.027	121		9.64	9.72					1							G
80978	10.745	0.028	8.700	0.009		1.731	0.024	T	2.49	0.04	O	8.4935	0.0019	0.032	276		8.44	8.55		U 2			1 S							
80979	11.399	0.094	10.839	0.099	A	0.397	0.107	G	0.46	0.12	R *	10.7265	0.0065	0.040	76	*	10.66	10.80		D	16322−4707	H 1	2 C D	AB	286	4.777	0.106	2.56	0.28	G D
80980	10.462	0.032	8.918	0.016		1.297	0.028	T	1.26	0.03	L	8.9311	0.0014	0.011	90		8.91	8.94		C			1							
80981	12.576	0.221	11.206	0.101		1.160	0.190	T	1.12	0.17	L	11.4547	0.0047	0.068	179		11.32	11.55		U			1 S							G
80982	9.618	0.031	8.913	0.027		0.636	0.031	T	0.70	0.03	L	9.0188	0.0018	0.018	71		8.99	9.04		C			1							
80983	8.646	0.008	8.672	0.010		0.003	0.015	G	0.02	0.01	H	8.6757	0.0013	0.015	155		8.65	8.70					1							
80984	8.966	0.012	8.244	0.010		0.649	0.012	T	0.71	0.01	L	8.3072	0.0019	0.017	151		8.28	8.34					1							S
80985	7.910	0.005	7.771	0.005		0.134	0.007	T	0.15	0.01	L	7.8046	0.0009	0.013	249		7.78	7.83					1							S
80986	9.287	0.016	7.580	0.008		1.425	0.014	T	1.41	0.02	L	7.5482	0.0012	0.013	130		7.52	7.57					1							S
80987	9.327	0.014	8.727	0.013		0.559	0.014	T	0.63	0.01	L	8.7763	0.0014	0.015	131		8.75	8.81		C			1							
80988	10.431	0.044	9.866	0.043		0.529	0.055	T	0.60	0.06	L	9.8987	0.0024	0.019	64		9.86	9.93		C			1							G
80989	11.094	0.046	10.471	0.044		0.580	0.055	T	0.65	0.05	L	10.5252	0.0032	0.039	147		10.46	10.58					1							G
80990	9.848	0.018	9.488	0.020		0.341	0.025	T	0.40	0.03	L	9.7401	0.0343	0.303	134		9.02	9.97	0.54	P 1 A			1 S							G
80991	5.970	0.003	5.927	0.004		0.039	0.004	T	0.05	0.00	L	5.9430	0.0007	0.005	92		5.93	5.95		C			1							S
80992	10.181	0.030	8.469	0.014		1.429	0.026	T	1.42	0.04	L	8.4399	0.0013	0.016	73		8.41	8.47		C			1							
80993	9.726	0.019	7.893	0.008		1.525	0.016	T	1.56	0.02	L	7.8446	0.0012	0.016	152		7.82	7.87					1							S
80994	7.790	0.008	7.534	0.008		0.251	0.015	G	0.28	0.02	H	7.5763	0.0014	0.012	117		7.56	7.60		C			1							S
80995	11.276	0.087	9.903	0.044		1.162	0.076	T	1.12	0.07	L	9.8890	0.0022	0.020	64		9.84	9.92					1							
80996	8.358	0.009	7.951	0.009		0.392	0.004	G	0.46	0.00	H	8.0140	0.0013	0.012	145		7.99	8.03		C			1							S
80997	8.913	0.013	8.245	0.011		0.617	0.015	G	0.69	0.01	H	8.3117	0.0016	0.013	123		8.28	8.35					1							S
80998	11.166	0.071	10.232	0.050	*	0.811	0.067	T	0.84	0.05	L *	10.3291	0.0036	0.023	67	*	10.28	10.37		C	16325−1739	H 1	2 C S C	AB	313	0.179	0.051	0.72	1.18	G
80999	10.235	0.029	9.412	0.022		0.742	0.028	T	0.79	0.02	L	9.4572	0.0024	0.021	113		9.42	9.49		C			1							
81000	9.873	0.019	8.209	0.009		1.391	0.017	T	1.36	0.02	L	8.1990	0.0014	0.017	188		8.17	8.23					1							

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%) δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	$\mu_{\alpha*}$ μ_δ	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
81001 H	16 32 33.16	+40 06 48.0	7.30	H	248.138 179 08	+40.113 346 21 A	3.06	−12.03	7.68	1.28	1.49	1.44	1.39	1.60	+12	−11	−17	−15	− 1	− 8	− 1	−20	+ 3	+14	3	0.02
81002	16 32 33.25	+13 54 06.1	9.20	H	248.138 535 05	+13.901 691 04	−0.08	2.39	0.83	0.90	0.83	1.59	1.75	1.42	− 8	− 7	− 7	+ 5	−11	−43	−17	+41	−36	+23	0	−0.91
81003 H	16 32 33.46	+23 13 55.4	8.67	H	248.139 431 93	+23.232 050 09 A	7.06	−22.66	30.82	1.72	2.00	2.38	1.57	1.71	+11	− 1	−11	−27	+10	−12	+ 4	−17	− 4	+34	0	0.09
81004	16 32 33.78	−20 04 24.8	9.68	H	248.140 729 26	−20.073 547 10	5.68	−8.75	−8.22	1.31	0.88	1.47	1.67	1.21	−13	− 3	− 6	− 9	− 5	−26	− 5	+15	−13	−17	0	0.28
81005	16 32 34.65	−58 56 00.4	8.37	H	248.144 386 19	−58.933 451 02	7.79	0.30	−6.39	0.92	0.78	1.08	1.08	0.95	+24	−32	−19	+57	+17	−10	+22	+64	−23	+15	0	1.80
81006	16 32 35.58	−43 44 02.5	7.78	H	248.148 252 04	−43.734 030 85	6.94	−10.10	−16.51	0.85	0.67	0.99	0.96	0.81	−13	−36	−13	+10	− 7	+15	+ 2	+28	−17	−20	0	0.39
81007	16 32 35.68	+05 31 16.4	5.63	H	248.148 650 65	+05.521 221 34	10.12	15.55	−0.41	0.78	0.50	0.94	0.74	0.64	−13	−43	− 2	+50	−23	− 6	−20	+68	−10	−14	0	0.47
81008	16 32 36.40	+11 29 17.6	4.84	G	248.151 659 42	+11.488 233 91	10.29	−178.38	−79.16	0.63	0.44	0.87	0.82	0.66	−23	−29	− 1	+38	−14	+15	−10	+44	−13	− 9	1	0.83
81009	16 32 36.50	−30 11 43.4	9.06	H	248.152 071 95	−30.195 394 60	13.29	53.89	−142.56	1.46	0.94	1.55	1.58	1.18	−17	−33	−12	+32	−18	+11	− 6	+67	−29	−23	0	0.19
81010	16 32 38.16	−15 59 14.0	7.02	H	248.158 987 40	−15.987 208 59	24.20	−39.64	−133.31	0.90	0.60	1.06	1.14	0.77	−28	−25	+ 2	+32	−10	+44	− 3	+50	−35	−30	0	0.26
81011	16 32 38.26	+21 27 30.9	9.07	H	248.159 425 47	+21.458 581 03	12.11	2.31	−20.18	0.89	0.79	1.24	0.92	0.99	+15	− 4	− 5	−50	−24	− 2	−27	+11	−20	+16	0	1.21
81012	16 32 39.22	+39 58 48.2	9.70	H	248.163 414 78	+39.980 042 59	1.66	12.06	−10.88	1.08	1.25	1.39	1.45	1.68	+11	+10	+ 1	−16	+ 0	− 9	+ 0	−11	− 7	+17	1	1.41
81013	16 32 39.44	+11 53 15.2	8.90	H	248.164 324 07	+11.887 546 80	10.13	−33.70	20.99	0.94	0.67	1.26	1.30	1.06	−14	−18	+ 4	+52	− 5	+16	− 3	+51	−11	+ 1	0	1.07
81014	16 32 40.26	+66 45 17.9	8.67	3 T	248.167 731 18	+66.754 966 99	0.96	−20.07	7.06	0.80	0.90	0.92	0.88	0.99	+16	−14	−38	+ 8	− 5	+13	+ 3	+22	−13	+ 2	0	1.80
81015	16 32 40.81	+39 59 14.1	9.12	H	248.170 027 50	+39.987 253 17	3.04	8.92	−0.77	0.83	0.98	1.07	1.09	1.29	+14	+ 7	+ 3	−17	− 1	− 8	− 1	−14	− 6	+20	1	−0.36
81016	16 32 41.92	+62 51 17.4	7.36	G	248.174 665 62	+62.854 823 21	10.97	−44.86	33.69	0.49	0.52	0.54	0.42	0.57	+ 9	−14	−10	−36	−17	− 2	−21	−22	+19	−11	0	−0.38
81017	16 32 44.80	+68 02 14.1	8.76	H	248.186 663 87	+68.037 238 70	5.91	−104.70	− 1.42	0.61	0.72	0.71	0.78	0.89	− 2	− 5	−26	−16	+ 1	+ 1	+ 6	+17	−18	−16	1	1.50
81018	16 32 45.65	+12 36 47.2	12.13	G	248.190 203 37	+12.613 106 88	61.08	−766.82	−139.20	3.45	2.66	5.13	4.41	4.22	−20	−25	− 5	+28	−14	+ 2	− 6	+37	−32	−18	0	
81019	16 32 45.98	+26 52 58.5	10.19	H	248.191 568 52	+26.882 912 12	−10.63	− 5.34	24.96	14.65	18.01	24.56	16.82	20.87	+15	−15	−20	−21	− 2	+ 3	+ 0	−20	− 6	+11	0	
81020	16 32 48.38	−01 44 52.5	10.28	G	248.201 591 59	−01.747 918 98	3.05	− 7.44	3.00	1.99	1.30	2.07	2.33	2.23	−22	−30	+ 7	+40	−24	+10	− 8	+71	−12	−40	0	0.53
81021 H	16 32 49.91	−56 41 32.5	9.83	H	248.207 947 81	−56.692 363 32 A	6.26	−17.07	29.49	2.84	2.16	3.09	2.26	2.20	+ 7	−33	−16	+22	+19	−19	+28	+45	−48	+31	3	0.15
81022	16 32 51.06	+02 05 06.1	7.89	H	248.212 731 85	+02.085 038 55	15.75	−10.06	−85.03	1.08	0.79	1.07	1.23	1.18	−36	−29	−15	+54	−44	+ 3	−34	+72	−15	−56	0	−0.31
81023	16 32 51.84	+03 14 47.3	8.82	H	248.216 006 42	+03.246 482 22 +	23.49	−371.43	−189.60	1.53	1.18	1.30	1.58	1.43	+34	−35	− 7	−11	−35	+ 7	−27	−17	− 7	+18	0	1.45
81024	16 32 53.47	−50 59 51.8	7.73	H	248.222 779 44	−50.997 717 71	2.29	12.78	2.52	0.82	0.63	1.04	1.14	0.90	+ 4	−29	−25	+15	−30	+19	−11	+68	−22	+24	0	−0.25
81025	16 32 54.65	−47 17 54.3	8.83	H	248.227 699 06	−47.298 417 82	3.38	− 4.99	−13.04	1.57	1.01	1.90	1.86	1.32	+12	−27	−28	− 9	− 6	−16	+ 3	+46	−29	− 2	0	0.67
81026	16 32 55.55	+06 51 29.8	11.46	3 H	248.231 439 21	+06.858 272 64	0.32	− 3.37	− 8.27	1.68	1.25	2.10	1.79	1.73	−23	−49	+ 0	+43	−27	−19	−20	+65	−14	−16	3	1.27
81027	16 32 55.73	−10 33 45.1	6.84	H	248.232 209 09	−10.562 526 16	10.82	16.92	16.96	0.86	0.52	0.83	1.02	0.70	− 2	−24	−15	+43	+ 5	+ 1	+11	+49	−17	− 6	0	1.54
81028	16 32 56.73	+50 08 31.8	6.82	H	248.236 367 15	+50.142 174 33	6.84	−36.53	−26.72	0.45	0.46	0.53	0.52	0.50	− 2	−10	+ 5	+16	+ 1	−10	+ 0	− 7	−12	−15	1	1.07
81029	16 32 58.05	−39 21 05.1	8.75	H	248.241 876 35	−39.351 415 98	13.15	−48.23	−10.09	1.25	0.90	1.54	1.19	1.20	−34	−37	−12	+29	−40	+ 9	−16	+54	−47	−41	0	−0.02
81030	16 32 58.07	−12 35 28.3	10.60	G	248.241 953 12	−12.591 180 68	32.04	−312.53	−225.64	2.27	1.44	2.53	2.93	2.21	−27	− 6	−28	+11	+ 8	− 3	+16	+26	−14	−45	0	0.24
81031	16 32 59.42	−61 51 30.6	8.26	H	248.247 597 56	−61.858 492 50	4.02	0.75	− 4.60	0.64	0.61	0.96	0.78	0.74	+ 2	−25	−14	+17	+ 0	− 7	− 1	+34	+ 3	− 8	0	1.17
81032	16 32 59.46	+18 43 46.6	9.19	H	248.247 755 55	+18.729 598 80	2.74	− 8.66	15.36	0.95	0.88	1.26	1.10	1.09	+44	− 2	+ 14	+46	+42	+15	+42	+40	+ 7	+49	0	0.16
81033	16 33 00.64	+06 36 40.9	7.64	H	248.252 647 94	+06.611 374 84	6.39	33.86	−39.24	0.97	0.56	1.08	0.95	0.74	− 5	−50	− 5	+50	−17	−15	− 9	+62	−16	−10	0	0.76
81034	16 33 00.66	−38 57 12.8	9.38	H	248.252 729 93	−38.953 542 44	9.93	2.37	−11.23	1.49	0.99	1.76	1.56	1.35	−28	−44	+ 0	+ 0	−14	+ 7	+ 2	+38	−33	−30	0	−0.42
∗81035	16 33 01.54	+16 32 38.4	9.90	H	248.256 409 91	+16.544 005 47	1.85	− 8.69	−17.96	1.18	1.01	1.53	2.07	1.74	+19	−16	− 7	+38	+20	−28	+18	+47	−33	+59	0	2.04
∗81036 H	16 33 01.54	+02 33 03.7	8.67	G	248.256 406 50	+02.551 015 15 A	1.83	− 6.73	− 1.39	2.40	1.57	2.24	2.55	2.22	− 9	−38	+ 4	+47	− 8	−12	+ 1	+51	− 7	−19	0	−0.57
81037	16 33 02.06	−60 54 10.8	8.24	H	248.258 602 23	−60.903 007 58 B	13.02	49.89	55.63	30.60	19.77	3.72	19.86	13.47	− 2	− 4	− 1	− 3	+ 0	− 5	− 1	+32	−11	+ 3	8	1.19
81038	16 33 02.65	+45 07 39.8	9.29	H	248.261 061 43	+45.127 730 17	2.85	− 9.84	20.88	0.68	0.71	0.80	0.83	0.92	+ 9	− 2	− 2	+ 6	+ 6	− 4	+ 7	+ 6	−12	+ 0	3	−2.03
81039	16 33 05.17	−60 54 12.7	7.90	G	248.271 548 03	−60.903 514 15 A	7.14	−12.74	−21.72	1.99	1.83	2.30	2.12	1.92	+ 1	−16	− 5	− 7	− 7	−12	− 1	+28	−14	− 9	8	1.19
81040	16 33 05.43	−01 00 03.1	9.02	H	248.272 632 40	−01.000 856 20	10.24	−47.91	−88.09	1.48	0.88	1.30	1.69	1.42	+12	−23	− 4	+56	+19	− 1	+30	+56	− 8	+ 0	0	0.34
81041	16 33 06.19	−63 50 30.4	7.37	H	248.275 796 06	−63.841 790 85	21.80	−450.30	−186.60	0.56	0.67	0.90	0.71	0.79	−29	− 6	−21	− 2	−44	+30	−39	+46	−20	−38	0	−0.72
81042	16 33 08.60	−75 56 59.8	7.68	H	248.285 825 88	−75.949 934 09	4.22	29.20	27.28	0.47	0.62	0.74	0.55	0.80	+13	−17	− 2	−13	+ 2	− 9	+ 0	− 2	+ 5	+24	0	−1.91
81043	16 33 09.85	+23 07 03.1	7.66	H	248.291 031 78	+23.117 516 60	4.77	−16.61	18.98	0.60	0.57	0.90	0.58	0.62	+18	−27	−17	−37	+ 8	+10	+ 4	− 5	− 1	+37	1	0.89
81044	16 33 10.56	−51 27 18.6	8.73	H	248.293 979 95	−51.455 176 93	13.03	−24.32	−52.83	1.12	0.74	1.35	1.47	1.05	+25	−23	−21	+ 1	− 8	+14	+ 4	+63	−23	+11	0	0.63
81045	16 33 11.01	−47 41 00.0	8.62	H	248.295 864 63	−47.683 332 76	5.29	−10.35	−17.32	1.42	1.02	1.75	1.62	1.31	+ 8	−38	−32	+17	− 4	+ 2	+ 8	+51	−21	−15	0	0.74
81046	16 33 12.12	−06 45 35.6	10.18	G	248.300 490 93	−06.759 892 04	16.70	16.35	−202.40	1.89	1.07	1.94	2.01	1.83	−34	−43	+19	+19	−24	− 7	− 3	+60	− 2	−49	2	3.13
81047	16 33 12.22	−12 47 55.8	7.63	H	248.300 936 80	−12.798 831 12	9.95	6.21	−23.29	1.01	0.62	1.06	1.35	0.96	−29	−23	−15	−13	+23	−10	+28	+ 4	− 7	−45	0	1.55
81048 H	16 33 12.49	+30 54 26.8	7.77	G	248.302 042 05	+30.907 451 59 A	8.80	10.80	19.61	0.70	0.86	0.99	0.75	0.93	+12	− 4	−13	+24	+10	− 6	+ 8	+16	+11	+ 0	1	−0.32
81049	16 33 13.13	−06 56 58.1	8.72	G	248.304 704 64	−06.949 472 71	8.88	− 4.26	−12.52	1.14	0.66	1.20	1.26	1.10	−39	−41	+24	+ 5	−16	−17	− 4	+49	+ 7	−46	0	−0.36
81050	16 33 13.62	−28 06 55.1	8.16	H	248.306 750 38	−28.115 313 21	4.23	21.11	−13.60	0.96	0.70	1.07	1.02	0.83	−35	−21	−13	+11	−24	− 7	−15	+57	−21	−44	0	−1.74
∗81051	16 33 13.83	−01 37 09.4	9.10	H	248.307 638 20	−01.619 285 00	2.95	− 5.26	3.14	1.42	1.05	1.49	1.77	1.68	−23	−19	−10	+38	−23	+11	−11	+62	− 9	−42	0	−0.60
∗81052	16 33 13.96	+36 26 54.6	8.53	H	248.308 151 20	+36.448 510 39	8.19	−20.81	− 8.65	0.62	0.71	0.83	0.79	0.89	+10	−10	− 8	+15	+ 9	−20	+ 5	+ 3	− 6	−15	0	0.38
∗81053	16 33 13.78	+85 53 17.7	10.41	G	248.307 433 42	+85.888 259 10	13.93	−186.24	114.10	0.93	1.08	1.13	1.11	1.23	+ 9	−13	−27	+ 5	− 2	+ 3	+ 2	+21	−15	− 7	0	−0.96
81054	16 33 16.31	−51 20 12.9	7.86	H	248.317 945 20	−51.336 926 88	4.35	3.25	−19.09	0.92	0.70	1.09	1.36	1.00	+ 5	+ 4	− 9	+26	− 8	+ 9	− 7	+69	−21	+ 4	0	−0.03
81055	16 33 16.82	−31 22 25.7	9.16	H	248.320 067 29	−31.373 791 89	6.63	− 6.38	− 3.05	1.28	0.76	1.49	1.57	1.06	−23	−10	− 5	−15	− 4	−15	− 9	+44	−36	− 2	0	0.68
81056 H	16 33 16.86	+38 55 20.1	9.47	H	248.320 265 81	+38.922 241 99 A	6.32	− 5.23	25.85	1.69	2.16	2.04	1.72	2.42	+14	+ 3	+ 2	− 5	− 3	− 9	− 4	−11	−10	+ 1	1	−0.27
81057	16 33 17.22	+35 42 42.4	9.69	H	248.321 733 92	+35.711 781 76	2.68	− 5.36	−16.02	0.72	0.89	1.02	0.84	1.12	+ 8	− 2	− 4	+ 8	+10	− 4	+ 7	−10	−12	−11	0	2.24
81058	16 33 19.29	+20 29 02.3	9.74	H	248.330 369 84	+20.483 964 30	5.46	− 5.20	22.95	1.01	1.00	1.35	1.30	1.23	+26	−23	−28	+40	+10	− 5	+10	+25	−12	+13	0	0.57
81059	16 33 19.38	+15 08 18.2	8.82	H	248.330 749 23	+15.138 401 80	7.14	− 9.55	9.68	0.87	0.89	1.16	1.26	1.27	− 4	−14	−14	+47	−11	− 9	−10	+60	−22	+ 8	0	0.29
81060	16 33 20.41	+61 14 01.5	7.71	H	248.335 056 62	+61.233 749 56	5.91	19.89	− 4.98	0.55	0.62	0.63	0.70	0.78	+ 4	+ 8	−26	−17	+ 6	− 1	+ 9	+ 2	+21	− 1	0	0.42
81061	16 33 21.04	+25 41 23.6	8.32	H	248.337 656 67	+25.689 888 12	18.75	235.55	−78.03	0.49	0.75	1.09	0.73	1.05	+11	− 3	− 9	+ 1	− 1	+ 6	− 2	−11	−10	− 3	0	−0.03
81062	16 33 23.42	−04 15 42.7	7.24	H	248.347 573 39	−04.261 856 58	19.03	−63.51	−48.86	0.96	0.74	0.99	1.42	1.34	−38	− 7	−11	+42	−42	+29	−27	+75	−22	−59	0	0.49
81063 H	16 33 25.84	−85 10 53.5	10.07	1 H	248.357 650 65	−85.181 535 04 A	12.09	−66.08	−274.04	1.65	2.13	2.01	1.72	2.27	+10	−13	+10	+ 0	+ 2	− 5	+ 3	− 6	−12	+ 2	2	0.61
81064	16 33 26.86	−37 14 40.9	8.00	G	248.361 925 29	−37.244 681 13	6.37	9.55	12.23	1.10	0.59	1.56	1.06	0.92	−22	−41	− 6	−16	−11	− 4	+18	+34	−61	−22	0	−1.76
81065	16 33 27.46	−78 53 49.1	3.86	1 H	248.364 434 09	−78.896 959 17	20.44	−125.68	−77.59	0.40	0.43	0.53	0.40	0.47	− 6	−24	+ 8	+ 1	− 7	+ 3	− 8	+ 5	+ 1	−17	2	0.67
81066	16 33 29.15	+30 29 56.7	6.87	1 H	248.371 453 13	+30.499 072 68	6.63	−38.24	− 2.36	0.43	0.53	0.70	0.48	0.63	+12	+ 1	−11	+24	+12	− 8	+10	+ 7	−14	+ 6	0	−0.15
81067 H	16 33 29.56	−14 09 56.5	8.74	2 H	248.373 168 02	−14.165 698 32 ∗	5.07	5.23	−12.30	1.26	0.80	1.46	1.72	1.28	−27	−40	−11	+18	− 9	−31	−12	+30	+17	−55	0	2.56
81068	16 33 30.15	+17 49 43.5	8.23	H	248.375 611 72	+17.828 757 01	13.83	−32.40	−41.63	0.76	0.66	1.14	0.86	0.83	+43	−26	−11	+30	+33	+24	+30	+40	+22	+46	0	−0.21
81069	16 33 31.21	−12 33 36.9	7.41	1 H	248.380 042 80	−12.560 241 92	3.39	− 8.20	0.86	0.90	0.59	1.00	1.26	0.96	−26	−23	−21	− 4	+ 3	− 5	+14	+22	− 9	−54	2	1.68
∗81070	16 33 31.53	−27 06 02.5	10.50	G	248.381 360 22	−27.100 688 10	0.01	6.38	− 0.44	2.05	1.58	2.27	2.40	2.04	−41	− 7	−33	+35	−40	+ 7	−33	+74	−38	−47	0	1.64
∗81071	16 33 31.51	−45 47 17.0	8.45	H	248.381 294 70	−45.788 055 59	19.40	− 1.01	−247.26	1.07	1.00	1.25	1.41	1.28	−17	−25	+ 3	+ 0	+ 9	+20	+17	−20	− 7	+13	0	0.33
81072	16 33 32.26	+46 33 11.8	8.47	G	248.384 404 53	+46.553 278 93	9.14	−82.26	73.29	0.63	0.68	0.78	0.71	0.74	− 2	− 8	+20	− 4	+ 2	−15	+ 5	+ 2	−13	+ 7	0	1.25
81073	16 33 34.03	+10 22 08.7	6.74	H	248.391 793 89	+10.369 073 82	11.31	22.01	−21.03	0.60	0.44	0.80	0.78	0.65	−35	−10	+ 7	+48	−16	+17	−15	+45	−13	−14	0	−0.76
81074	16 33 34.14	−71 08 15.1	7.96	H	248.392 255 88	−71.137 519 35	4.85	22.75	− 9.89	0.49	0.72	0.95	0.54	0.86	+24	−19	− 5	+ 7	+ 6	− 5	+ 5	+15	+ 2	+28	1	−0.90
81075	16 33 34.43	+24 52 59.1	8.72	H	248.393 447 33	+24.883 070 53	6.50	−29.24	19.68	0.46	0.83	1.17	0.59	1.20	− 8	− 2	−15	+ 0	− 6	− 1	− 7	− 4	−22	−13	0	−0.08
81076	16 33 34.50	−45 44 01.5	8.96	H	248.393 732 69	−45.733 749 54	3.73	− 2.19	− 4.91	1.33	1.20	1.56	1.69	1.54	−15	−29	+ 2	+ 3	+13	+23	+21	−16	− 9	+ 9	0	−0.37
81077	16 33 34.85	−62 07 17.4	6.94	H	248.395 220 44	−62.121 512 97	7.98	7.10	−22.92	0.55	0.56	0.84	0.70	0.68	− 4	−17	− 6	+12	+ 2	+ 0	+ 0	+37	+ 6	− 2	0	−0.28
81078	16 33 35.60	+09 06 17.2	9.25	H	248.398 337 51	+09.104 788 93	1.88	−33.97	−106.62	0.97	0.88	1.41	1.29	1.19	−31	−10	−12	+26	−35	− 5	−35	+51	−26	−19	0	−0.94
81079	16 33 35.92	−53 12 00.4	6.59	H	248.399 681 15	−53.200 101 38	8.17	0.86	−49.84	0.56	0.42	0.89	0.65	0.54	− 2	− 6	−11	+27	+ 5	−10	+12	+61	−34	−12	0	−1.66
81080	16 33 37.44	+19 35 43.7	10.87	H	248.406 012 38	+19.595 471 48	7.20	2.26	−35.61	1.39	1.38	2.03	1.58	1.68	+36	−37	−18	+29	+24	− 1	+26	+22	− 6	+39	3	−1.59
81081	16 33 38.23	+08 50 25.4	8.07	H	248.409 297 07	+08.840 380 36	5.55	17.83	−10.38	0.73	0.60	1.06	0.87	0.76	−26	−22	−10	+22	−24	− 4	−21	+39	−22	−15	1	−0.07
81082	16 33 40.68	−31 17 20.5	7.97	H	248.419 506 99	−31.289 019 79	2.17	−10.21	−21.65	0.92	0.59	1.10	1.05	0.79	−34	−11	− 2	− 6	−11	− 8	− 9	+46	−35	−25	0	−0.46
81083	16 33 41.05	−37 22 58.0	7.47	H	248.421 046 68	−37.382 777 97	6.38	− 1.20	−41.98	0.93	0.58	1.52	0.86	0.95	−16	−33	−20	−10	−24	− 1	+ 5	+40	−71	−16	0	0.99
81084	16 33 41.65	−09 33 10.4	11.30	G	248.423 533 39	−09.552 883 80	31.32	−67.43	−179.73	2.42	1.56	2.61	2.89	2.39	−38	−29	+12	+16	−23	− 8	−15	+57	−11	−38	2	−0.35
81085	16 33 41.85	+38 05 27.1	6.59	H	248.424 361 73	+38.090 861 28	17.74	−34.34	82.81	0.44	0.55	0.61	0.52	0.63	+ 6	+ 6	− 7	+ 4	+ 5	− 1	+ 6	−10	+11	+14	0	−1.82
81086	16 33 42.04	+64 24 11.2	8.70	H	248.425 172 77	+64.403 118 99	3.01	−12.06	5.88	0.64	0.65	0.69	0.58	0.75	+ 4	−11	+ 7	−40	−17	−11	−20	−14	+11	− 3	0	−0.51
81087	16 33 44.08	+61 43 05.8	9.96	H	248.433 650 72	+61.718 276 63	4.09	− 7.88	9.59	1.04	1.11	1.11	1.11	1.35	− 1	−15	−20	−36	+ 6	− 3	+ 3	−31	+18	−15	0	1.47
81088	16 33 44.99	−33 20 59.0	9.53	G	248.437 439 67	−33.349 714 30	12.29	−128.84	−119.65	1.34	0.78	1.53	1.26	1.00	−32	−43	− 1	− 5	−13	+12	+ 7	+44	−34	−43	0	−0.19
81089	16 33 46.51	+07 34 12.9	7.73	H	248.443 773 43	+07.570 249 35	4.13	4.52	−32.98	0.81	0.56	0.93	0.92	0.75	− 9	−28	−14	+33	−20	+ 8	−16	+56	−17	− 7	1	0.48
81090	16 33 47.84	+66 03 18.5	8.85	H	248.449 330 79	+66.055 147 52	2.90	16.76	−13.91	0.65	0.74	0.72	0.76	0.90	+19	−17	−20	+ 6	+10	−10	+12	+61	−24	+ 8	0	1.59
81091	16 33 48.39	+59 40 37.9	7.71	H	248.451 624 76	+59.677 201 46	4.35	− 2.71	−11.52	0.58	0.63	0.64	0.58	0.70	+ 2	−12	− 2	+ 2	+ 9	− 3	+ 9	−19	+ 3	+ 2	1	0.24
81092	16 33 48.43	−34 26 26.3	7.76	G	248.451 810 42	−34.440 626 44	4.84	− 9.23	−11.76	0.93	0.52	1.02	0.95	0.71	−24	−37	− 9	− 8	+ 2	+21	+24	+38	−38	−44	2	−0.91
∗81093	16 33 49.71	−22 49 34.4	9.07	H	248.457 135 36	−22.826 217 34	14.61	27.44	12.55	1.32	0.81	1.27	1.61	0.97	+ 2	−37	−18	+40	+12	+ 7	+18	+48	−16	− 1	0	0.41
∗81094	16 33 49.67	−66 22 15.3	9.56	H	248.456 967 15	−66.370 927 75	2.76	− 9.42	1.29	0.78	0.92	1.28	0.87	1.08	+10	−16	−18	−21	− 4	− 1	− 1	+ 0	+ 9	−11	0	−0.87
81095	16 33 50.35	+13 23 41.5	6.92	H	248.459 784 68	+13.394 853 63	6.76	9.99	−44.85	0.63	0.51	0.88	0.83	0.71	− 9	−22	−18	+24	− 7	− 1	− 1	+41	−24	−13	0	0.53
81096	16 33 50.99	−46 33 31.4	7.50	H	248.462 453 82	−46.558 714 85	0.75	0.59	− 0.50	1.55	1.40	1.65	1.48	1.71	−48	−56	− 2	−37	+48	+10	+54	−58	−25	−58	0	−0.25
81097	16 33 51.07	−24 17 25.7	8.61	H	248.462 800 97	−24.290 472 37	8.15	−56.90	−30.50	1.01	0.83	1.06	1.12	1.07	−48	−26	−17	+35	−47	+14	−32	+69	−28	−63	0	0.71
81098	16 33 51.13	−14 27 59.7	7.74	H	248.463 025 20	−14.466 574 22	8.99	−60.36	−22.09	1.12	0.72	1.23	1.68	1.19	−25	−26	− 1	+ 7	+ 5	−28	+ 1	+35	+19	−32	0	−0.41

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
81001	8.367	0.018	7.463	0.014	*	0.803	0.017	T	0.83	0.01	L *	7.4511	0.0010	0.010	107	*	7.44	7.47		D	16326+4007	I 1	2 C A	AB	133	0.940	0.002	0.26	0.01	S
81002	11.181	0.061	9.321	0.020		1.500	0.040	G	1.50	0.10	R	9.3279	0.0022	0.018	110		9.28	9.36					1							
81003	9.407	0.014	8.932	0.014	*	0.447	0.018	T	0.52	0.02	L *	8.7647	0.0019	0.020	167	*	8.73	8.80		D	16326+2314	I 1	2 C A	AB	328	1.009	0.004	0.22	0.02	
81004	10.619	0.049	9.752	0.037		0.839	0.020	G	0.86	0.01	H	9.8176	0.0028	0.018	67		9.79	9.85		C			1							
81005	9.691	0.017	8.511	0.011		1.011	0.016	T	0.99	0.01	L	8.5379	0.0015	0.016	112		8.51	8.57					1							
81006	7.958	0.010	7.802	0.012		0.142	0.015	T	0.16	0.01	L	7.8357	0.0018	0.011	63		7.82	7.85		C	16326−4344	I 1	1							S
81007	5.566	0.002	5.619	0.003		−0.044	0.003	T	−0.02	0.00	L	5.6197	0.0003	0.004	153		5.61	5.63					1							S
81008	6.802	0.004	5.011	0.003		1.495	0.002	G	1.58	0.02	G	4.9577	0.0007	0.007	146		4.95	4.97					1							S
81009	9.825	0.023	9.030	0.019		0.705	0.023	T	0.75	0.02	L	9.1999	0.0027	0.022	77		9.17	9.25		C			1							
81010	7.655	0.008	7.077	0.007		0.543	0.008	T	0.62	0.01	L	7.1376	0.0009	0.006	74		7.13	7.15		C			1							S
81011	9.750	0.017	9.149	0.016		0.560	0.021	T	0.63	0.02	L	9.1943	0.0020	0.026	150		9.15	9.24					1							
81012	10.841	0.050	9.653	0.028							T	9.8411	0.0056	0.045	101		9.75	9.90		D	16327+3959	I 2	1 S							
81013	9.381	0.015	8.946	0.015		0.440	0.015	G	0.51	0.02	H	8.9947	0.0019	0.016	144		8.96	9.02					1							
81014	10.149	0.042	8.796	0.023		1.147	0.037	T	1.11	0.03	L	9.2775	0.2395	1.507	86		7.31	11.30	245.20	P 1 B			1 S							G P
81015	9.668	0.020	9.129	0.019		0.405	0.072	G	0.50	0.07	L	9.2189	0.0024	0.023	103		9.18	9.26		D	16327+3959	I 2	1							
81016	7.752	0.007	7.406	0.008		0.332	0.009	G	0.39	0.01	H	7.4417	0.0007	0.008	103		7.43	7.45		C			1							S
81017	9.884	0.024	8.871	0.017		0.884	0.022	T	0.89	0.02	L	8.9145	0.0022	0.016	103		8.89	8.94		C			1							
81018						1.470	0.015	G	1.90	0.07	I	12.1874	0.0073	0.075	124		12.02	12.30					1 X							G
81019	10.808	0.036	10.259	0.036		0.514	0.046	T	0.59	0.05	L	10.3015	0.0035	0.043	176		10.22	10.40					1 X S							G
81020	12.225	0.221	10.370	0.064		1.630	0.015	G	1.64	0.09	H	10.3576	0.0022	0.023	81		10.31	10.40		C			1							G
81021	10.814	0.039	10.014	0.033	*	0.708	0.039	T	0.76	0.03	L *	9.9713	0.0032	0.033	153	*	9.91	10.02			16328−5642	H 1	2 C A	AB	300	0.500	0.036	2.63	0.14	G
81022	8.708	0.014	7.965	0.012		0.680	0.015	T	0.74	0.01	L	8.0355	0.0016	0.014	100		8.01	8.06					1							S
81023	9.942	0.029	8.899	0.019		0.868	0.004	G	0.97	0.02	A	8.9808	0.0019	0.022	101		8.94	9.01					1 O							
81024	9.176	0.011	7.874	0.007		1.107	0.010	T	1.07	0.01	L	7.9007	0.0010	0.011	162		7.88	7.92		C			1							
81025	11.090	0.120	9.077	0.036		1.668	0.100	T	1.69	0.10	L	8.9464	0.0023	0.014	52		8.90	8.97					1 S							
81026	11.851	0.130	10.336	0.065		1.294	0.120	T	2.08	0.57	Q	11.5377	0.1721	1.044	138		9.06	11.95	107.01	P 1 B			1							G P
81027	7.170	0.006	6.877	0.005		0.279	0.007	T	0.32	0.01	L	6.9094	0.0011	0.010	97		6.90	6.93			16329−1034	I 1	1							S
81028	7.967	0.007	6.917	0.006		0.912	0.007	T	0.91	0.01	L	6.9800	0.0010	0.008	118		6.97	6.99					1							S
81029	9.417	0.029	8.811	0.027		0.563	0.029	T	0.64	0.03	L	8.8689	0.0026	0.013	59		8.85	8.89		C			1							
81030	12.032	0.195	10.783	0.092		1.344	0.006	G	1.59	0.02	A	10.6875	0.0045	0.034	75		10.62	10.77					1							G
81031	8.226	0.007	8.252	0.009		−0.019	0.010	T	0.00	0.01	L	8.2655	0.0013	0.015	134		8.24	8.29		C			1							
81032	9.507	0.020	9.200	0.022		0.292	0.028	T	0.33	0.04	L	9.2595	0.0023	0.015	99		9.23	9.30		C			1							
81033	9.122	0.014	7.769	0.008		1.147	0.013	T	1.11	0.01	L	7.8130	0.0011	0.014	156		7.79	7.84					1							S
81034	10.903	0.065	9.518	0.033		1.169	0.059	T	1.13	0.05	L	9.5093	0.0055	0.030	64		9.45	9.55		R			1 S							G
81035	11.449	0.074	10.000	0.034		1.222	0.064	T	1.18	0.06	L	10.0670	0.0025	0.023	93		10.02	10.11		C			1							
81036	9.996	0.028	8.849	0.017	A	1.113	0.218	G	0.94	0.02	L *	8.8776	0.0019	0.019	107	*	8.85	8.91		D	16330+0233	I 1	2 C B	AB	119	1.027	0.033	2.91	0.15	
81037	8.728	0.019	8.224	0.018	B	0.538	0.015	G	0.63	0.01	L	8.3722	0.0547			B				D	16331−6054	I 2	1 C I A							
81038	10.455	0.035	9.394	0.022		0.920	0.031	T	0.92	0.02	L	9.4505	0.0018	0.016	124		9.42	9.48					1							
81039	8.105	0.009	7.896	0.010	A	0.238	0.015	G	0.27	0.02	H	8.0123	0.0438	0.091	145	A	7.76	8.08		D	16331−6054	I 2	1 C P A							S
81040	9.869	0.029	9.126	0.023		0.680	0.029	T	0.74	0.02	L	9.1650	0.0024	0.016	83		9.14	9.20					1							
81041	8.072	0.008	7.453	0.007		0.573	0.008	T	0.65	0.01	L	7.4934	0.0013	0.013	138		7.48	7.52					1 G							S
81042	7.982	0.007	7.702	0.007		0.264	0.010	T	0.30	0.01	L	7.7477	0.0010	0.012	171		7.73	7.77					1							S
81043	9.260	0.013	7.800	0.007		1.230	0.012	T	1.19	0.01	L	7.8180	0.0016	0.015	175		7.79	7.85			16332+2307	I 1	1							S
81044	9.421	0.013	8.787	0.012		0.589	0.015	T	0.66	0.01	L	8.8556	0.0018	0.017	144		8.83	8.88		C			1							
81045	9.182	0.026	8.670	0.025		0.481	0.033	T	0.55	0.04	L	8.7294	0.0038	0.017	50		8.70	8.76					1							
81046	11.320	0.082	10.223	0.048		0.789	0.016	G	0.83	0.01	H	10.3326	0.0030	0.026	100		10.28	10.37		C			1							G
81047	8.874	0.015	7.734	0.010		0.980	0.014	T	0.96	0.01	L	7.7922	0.0011	0.009	74		7.77	7.81					1							S
81048	8.138	0.009	7.713	0.011	*	0.413	0.015	G	0.48	0.02	H *	7.8536	0.0014	0.015	152	*	7.83	7.88		D	16332+3054	I 1	2 C A	AB	27	2.428	0.008	2.35	0.03	S
81049	9.261	0.023	8.816	0.023		0.474	0.020	G	0.55	0.02	H	8.8403	0.0015	0.014	114		8.82	8.87		C			1							
81050	9.657	0.021	8.313	0.013		1.140	0.019	T	1.10	0.02	L	8.3332	0.0016	0.011	89		8.31	8.35		C			1							
81051	10.737	0.058	9.228	0.026		1.269	0.050	T	1.23	0.05	L	9.2669	0.0033	0.020	82		9.22	9.31					1 S							
81052	9.040	0.014	8.582	0.013		0.432	0.018	T	0.50	0.02	L	8.6235	0.0011	0.015	109		8.59	8.65					1							S
81053	11.401	0.072	10.509	0.053		0.820	0.015	G	0.86	0.01	H	10.5204	0.0034	0.027	106		10.48	10.56		C			1							G
81054	9.129	0.011	7.980	0.007		0.987	0.010	T	0.97	0.01	L	8.0274	0.0011	0.011	149		8.01	8.05					1							
81055	9.838	0.024	9.163	0.021		0.614	0.024	T	0.68	0.02	L	9.2922	0.0026	0.016	93		9.26	9.32					1							
81056	9.969	0.031	9.399	0.030	*	0.533	0.038	T	0.61	0.04	L *	9.5907	0.0028	0.021	113	*	9.55	9.63		D	16333+3855	I 1	2 C A	AB	297	2.819	0.006	0.94	0.03	
81057	11.836	0.102	9.897	0.028		1.644	0.087	T	1.71	0.17	K	9.7916	0.0026	0.023	121		9.76	9.83					1							
81058	10.331	0.030	9.782	0.028		0.514	0.037	T	0.59	0.04	L	9.8572	0.0029	0.030	117		9.80	9.90					1							
81059	9.415	0.017	8.866	0.016		0.514	0.021	T	0.59	0.02	L	8.9372	0.0017	0.015	103		8.91	8.98					1							
81060	7.775	0.008	7.719	0.010		0.056	0.012	T	0.07	0.01	L	7.7376	0.0010	0.010	94		7.72	7.76					1							S
81061	9.025	0.009	8.399	0.008		0.582	0.010	T	0.65	0.01	L	8.4482	0.0014	0.019	223		8.41	8.48					1							S
81062	7.851	0.008	7.289	0.007		0.533	0.001	G	0.61	0.00	H	7.3509	0.0008	0.007	109		7.34	7.37		C			1							S
81063	10.812	0.037	10.164	0.034	*	0.601	0.043	T	0.67	0.04	L *	10.1986	0.0029	0.031	139	*	10.14	10.26		U	16334−8511	H 1	2 C B	AB	198	0.874	0.043	2.80	0.15	G
81064	8.392	0.012	8.029	0.012		0.341	0.015	G	0.40	0.02	H	8.0811	0.0016	0.009	80		8.06	8.10		C			1							S
81065	5.033	0.002	3.968	0.002		0.923	0.002	T	0.92	0.02	A	4.0203	0.0005	0.005	150		4.01	4.03		M			1							S
81066	7.151	0.005	6.897	0.005		0.242	0.007	T	0.27	0.01	L	6.9383	0.0021	0.015	137		6.92	6.96	1.70	P 1 A	16335+3030	I 1	1							S
81067	11.360	0.087	8.952	0.019	*	2.030	0.073	T	3.48	0.10	O *	8.4873	0.0028	0.028	65	*	8.43	8.53		U	16335−1410	H 1	2 C S B	AB	224	0.163	0.026	0.42	0.41	
81068	8.759	0.011	8.272	0.011		0.461	0.015	G	0.53	0.02	H	8.3303	0.0011	0.012	122		8.30	8.36					1							S
81069	9.942	0.028	7.604	0.009		1.973	0.024	T	2.83	0.04	O	7.3588	0.0026	0.018	79		7.33	7.39		U 2			1 S							S
81070	10.838	0.068	10.681	0.096		0.210	0.015	G	0.23	0.02	H	10.5570	0.0029	0.029	71		10.51	10.60		C			1							G
81071	9.165	0.023	8.555	0.021		1.190	0.020	G	1.32	0.04	I	8.5763	0.0027	0.023	54		8.53	8.60					1							
81072	8.986	0.013	8.554	0.013		0.478	0.015	G	0.55	0.02	H	8.5730	0.0013	0.013	100		8.55	8.60		C			1							S
81073	7.024	0.004	6.769	0.004		0.243	0.005	T	0.27	0.01	L	6.8124	0.0007	0.009	182		6.80	6.83					1							S
81074	9.322	0.013	8.079	0.008		1.061	0.012	T	1.03	0.01	L	8.1272	0.0016	0.016	175		8.10	8.15					1							
81075	9.438	0.012	8.783	0.010		0.599	0.012	T	0.67	0.01	L	8.8442	0.0018	0.021	233		8.81	8.89					1							
81076	10.090	0.039	9.043	0.027		0.909	0.036	T	0.91	0.03	L	9.1241	0.0040	0.022	57		9.09	9.15					1							
81077	8.286	0.009	7.066	0.006		1.043	0.008	T	1.01	0.01	L	7.1116	0.0009	0.009	125		7.09	7.13		C			1							S
81078	9.975	0.024	9.306	0.021		0.620	0.027	T	0.69	0.02	L	9.3837	0.0017	0.019	135		9.35	9.43		C			1							
81079	7.701	0.005	6.689	0.003		0.883	0.004	T	0.89	0.00	L	6.7514	0.0006	0.009	243		6.74	6.77					1							S
81080	11.337	0.068	10.897	0.072		0.345	0.072	G	0.40	0.10	R	10.9482	0.0036	0.036	118		10.89	11.00		C			1							G
81081	8.263	0.009	8.082	0.010		0.173	0.013	T	0.19	0.01	L	8.1323	0.0014	0.015	153		8.11	8.16					1							S
81082	8.092	0.009	7.975	0.010		0.106	0.012	T	0.12	0.01	L	8.0128	0.0016	0.014	100		7.99	8.04					1							S
81083	7.712	0.011	7.489	0.012		0.213	0.015	T	0.24	0.02	L	7.5327	0.0018	0.012	71		7.51	7.55					1							S
81084						1.439	0.009	G	1.77	0.02	I	11.3769	0.0071	0.054	91		11.27	11.45		R			1							G
81085	7.097	0.005	6.628	0.005		0.442	0.006	T	0.51	0.01	L	6.6852	0.0007	0.007	131		6.67	6.70		C			1							S
81086	9.795	0.022	8.786	0.015		0.881	0.020	T	0.89	0.01	L	8.8535	0.0016	0.014	95		8.83	8.88		C			1							
81087	10.954	0.055	9.909	0.035		0.908	0.049	T	0.91	0.04	L	10.1045	0.0031	0.022	89		10.06	10.14		C			1							
81088	10.509	0.031	9.660	0.024		0.749	0.003	G	0.79	0.00	H	9.6882	0.0016	0.021	132		9.66	9.72		C			1							G
81089	9.147	0.014	7.838	0.009		1.112	0.013	T	1.07	0.01	L	7.9006	0.0011	0.013	134		7.87	7.93					1							S
81090	9.508	0.018	8.883	0.016		0.581	0.021	T	0.65	0.02	L	8.9748	0.0018	0.013	88		8.95	8.99		C			1							
81091	9.033	0.014	7.807	0.009		1.047	0.013	T	1.02	0.01	L	7.8762	0.0018	0.012	96		7.86	7.91					1							S
81092	8.267	0.009	7.805	0.008		0.427	0.015	G	0.49	0.02	H	7.8684	0.0009	0.009	113		7.85	7.88					1							S
81093	9.888	0.030	9.165	0.025		0.650	0.030	T	0.71	0.03	L	9.2089	0.0026	0.021	70		9.18	9.25					1 G							
81094	10.049	0.025	9.594	0.025		0.443	0.028	T	0.51	0.03	L	9.6646	0.0025	0.022	140		9.59	9.71					1							G
81095	8.389	0.010	7.061	0.006		1.127	0.009	T	1.09	0.01	L	7.0844	0.0009	0.009	128		7.07	7.11					1							S
81096	9.949	0.043	7.747	0.015		1.819	0.036	T	1.85	0.04	L	7.5999	0.0041	0.019	43		7.57	7.64					1							
81097	9.503	0.020	8.710	0.016		0.703	0.020	T	0.76	0.02	L	8.7506	0.0015	0.011	90		8.71	8.77					1							
81098	9.340	0.022	7.899	0.012		1.216	0.020	T	1.18	0.02	L	7.9015	0.0020	0.012	69		7.88	7.92		C			1							S
81099	8.939	0.012	7.847	0.008		0.944	0.011	T	0.93	0.01	L	7.8706	0.0012	0.010	111		7.85	7.89		C			1							S
81100	7.076	0.010	6.798	0.009		0.316	0.003	G	0.36	0.00	H	6.8134	0.0025	0.011	44		6.79	6.83			16339−4807	I 1	1 S							S

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg		Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)	Soln F1 %	F2
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19 20 21 22 23 24 25 26 27 28	29	30
*81101 H	16 33 55.01	+47 16 17.6	8.20	H	248.479 203 42	+47.271 549 21	A	9.32	−21.07	25.06	1.45	1.62	1.42	1.38	1.59	+10 − 5 +17 +19 + 8 − 5 +10 + 1 −21 +11	8	1.15
*81102 H	16 33 54.40	+71 58 40.6	8.72	H	248.476 662 44	+71.977 933 35	A	3.33	−0.84	−13.78	2.86	2.06	1.10	1.32	1.13	− 1 − 7 − 2 −20 + 2 + 3 + 1 − 1 − 6 − 4	1	−0.12
*81103	16 33 54.90	+53 56 01.2	8.82	H	248.478 764 69	+53.933 655 92		2.72	14.01	−14.45	0.70	0.74	0.78	0.84	0.77	+14 + 3 −12 +15 +17 −16 +13 +16 −17 +23	1	−0.50
*81104	16 33 54.98	+68 00 46.9	7.13	H	248.479 080 62	+68.013 016 48		1.76	−13.88	−9.37	0.49	0.55	0.55	0.62	0.68	− 3 − 4 −13 + 2 − 6 + 0 − 3 +23 −19 −16	0	0.38
81105	16 33 55.09	−05 03 20.1	8.22	H	248.479 534 76	−05.055 582 38		3.08	−4.68	−4.32	1.30	0.86	1.30	1.93	1.71	−25 −19 −16 +43 −37 +21 −12 +80 −31 −52	0	1.58
81106	16 33 55.31	−42 53 19.7	9.19	H	248.480 454 47	−42.888 818 93		8.45	−90.63	−67.91	1.19	1.23	1.32	1.53	1.35	−50 + 2 −38 −35 +44 −24 +37 −43 +16 −58	0	1.08
81107	16 33 55.72	−60 16 31.0	8.61	H	248.482 165 10	−60.275 274 13		4.17	−17.43	−20.00	0.61	0.61	1.04	0.78	0.75	−19 −17 + 5 − 2 −10 + 7 − 7 +37 − 6 −25	0	0.76
81108	16 33 55.93	+65 02 42.2	9.92	H	248.483 040 37	+65.045 065 03		2.60	−15.96	37.56	0.82	0.87	0.89	0.88	1.08	+17 −16 − 5 −14 − 5 −14 − 5 − 1 − 6 +20	0	−1.69
81109	16 33 56.66	−46 23 44.9	9.58	H	248.486 091 28	−46.395 798 07		12.27	154.04	24.30	1.92	1.38	2.31	1.68	1.62	−15 −65 −10 −33 + 8 +32 +29 −27 −29 −27	0	1.08
81110	16 33 57.27	+19 00 31.6	9.56	H	248.488 626 71	+19.008 768 76		12.41	−4.98	21.22	1.07	1.00	1.43	1.26	1.25	+46 −16 + 6 +37 +38 + 1 +39 +31 − 6 +55	1	−0.98
*81111	16 33 58.08	−03 47 24.8	8.18	H	248.491 986 82	−03.790 228 33		0.52	−8.09	−6.63	1.20	0.89	1.24	1.58	1.56	−39 −29 −12 +42 −49 +23 −28 +82 −24 −60	0	−0.06
*81112	16 33 57.94	−52 12 45.3	8.52	H	248.491 435 63	−52.212 589 14		5.19	8.83	−19.27	0.96	0.66	1.28	1.16	0.89	+17 −18 −17 + 4 − 4 −13 + 4 +55 −32 + 9	3	2.11
81113	16 33 59.18	+52 14 16.6	6.84	H	248.496 584 54	+52.237 952 89		4.11	5.57	3.77	0.53	0.52	0.58	0.56	0.55	+ 7 − 3 − 3 −14 + 0 −11 + 0 −10 + 3 + 5	0	1.46
81114	16 34 00.34	−25 48 50.1	9.81	H	248.501 412 24	−25.813 928 81		9.38	−1.24	−41.11	1.62	1.17	1.78	2.11	1.53	−38 −17 − 6 + 3 − 3 +16 − 3 +46 −18 −32	0	0.03
*81115	16 34 01.57	+01 25 55.3	7.71	H	248.506 549 78	+01.432 014 64		9.32	−23.96	−23.28	1.06	0.67	1.07	1.28	1.04	− 9 −43 + 5 +27 −19 −12 −12 +65 − 3 −17	0	−1.03
*81116	16 34 01.57	+34 06 12.0	8.73	H	248.506 548 81	+34.103 344 74		9.90	12.53	−37.94	0.61	0.74	0.87	0.72	0.82	+11 −12 −14 +28 +14 −10 +11 + 9 − 3 + 2	0	0.32
81117 H	16 34 02.24	−15 31 37.5	9.00	H	248.509 314 54	−15.527 079 28	A	3.14	−14.54	7.88	6.23	2.39	3.36	5.20	2.87	+ 3 − 9 −30 +33 +46 −17 +30 +51 −12 +39	1	0.74
81118	16 34 03.37	−26 30 18.5	9.93	G	248.514 040 41	−26.505 135 96		−0.35	−5.06	−8.50	1.51	1.17	1.60	1.92	1.51	−27 + 1 −14 +32 −10 +15 − 8 +64 −17 −29	0	−0.85
81119	16 34 04.25	+25 28 36.4	7.80	H	248.517 717 35	+25.476 785 44		3.11	−11.43	−24.35	0.43	0.64	0.98	0.62	0.84	+ 7 − 7 −24 −10 − 6 + 5 − 5 − 4 + 1 − 5	1	0.06
81120	16 34 04.60	−80 55 45.1	8.77	H	248.519 147 91	−80.929 196 95		8.24	12.64	27.55	0.68	0.71	0.88	0.74	0.82	+ 8 −22 + 3 − 6 −12 −20 −12 + 8 − 2 +12	0	0.47
81121	16 34 04.80	−47 37 02.9	8.68	G	248.520 009 47	−47.617 480 23		2.72	−2.85	−6.70	1.41	1.31	1.86	1.72	1.42	+16 −33 −54 +24 +25 − 5 +18 + 3 +14 −19	0	−0.68
81122	16 34 05.02	−44 02 43.1	4.86	1 H	248.520 917 72	−44.045 308 68		0.70	0.52	−2.53	0.63	0.52	0.73	0.65	0.57	− 5 −36 −19 +11 + 0 − 3 + 4 +13 −11 −22	0	−0.23
81123	16 34 05.74	−48 34 03.7	10.26	G	248.523 931 31	−48.567 690 93		2.90	9.52	−0.92	1.99	1.82	2.38	2.60	1.88	− 9 −13 −31 + 8 +44 −11 +38 + 3 − 1 − 4	0	−1.09
81124	16 34 05.75	−50 34 56.1	9.69	H	248.523 970 70	−50.582 241 39		1.42	−5.94	−8.78	1.26	1.13	1.57	1.77	1.62	−10 − 5 −21 +29 −26 +20 −17 +75 −27 −24	0	−0.19
81125	16 34 06.06	−48 27 41.4	6.92	H	248.525 265 09	−48.461 487 25		1.65	0.62	−0.94	1.01	0.99	1.28	1.25	0.93	− 9 −26 −46 +12 +42 −11 +33 − 3 + 9 −14	0	−0.57
81126	16 34 06.19	+42 26 12.8	4.20	G	248.525 788 63	+42.436 895 65		10.79	−9.03	59.80	0.46	0.57	0.61	0.59	0.66	+ 9 −17 −30 +21 − 3 − 5 − 9 −20 + 1 −10	0	1.78
81127	16 34 06.52	−38 27 21.9	8.49	H	248.527 158 03	−38.456 086 84		2.56	−4.30	−15.00	1.04	0.84	1.26	1.18	1.10	−14 −36 − 4 − 7 − 5 +16 + 9 −11 −34 −17	0	−1.21
81128	16 34 06.82	+15 00 10.3	9.41	1 H	248.528 424 93	+15.002 850 33		1.04	3.06	8.01	0.98	0.89	1.34	1.36	1.30	− 8 −16 − 8 +31 −15 −15 −14 +50 −31 + 9	0	−0.55
81129	16 34 07.38	−10 40 40.4	7.94	H	248.530 751 45	−10.677 886 90		10.91	−170.18	−8.37	1.13	0.64	0.98	1.36	0.86	+ 8 −19 + 5 +52 +21 + 2 +20 +56 + 5 +17	0	0.27
81130	16 34 07.89	+27 13 38.7	10.62	2 H	248.532 875 51	+27.227 411 56		5.14	8.30	−32.72	1.17	1.53	2.15	1.41	2.16	+ 9 − 1 − 9 − 7 + 6 + 3 + 8 − 5 − 6 + 9	2	2.34
81131	16 34 08.22	+35 29 59.8	7.97	H	248.534 267 64	+35.499 952 88		4.65	−28.21	4.25	0.56	0.66	0.79	0.58	0.79	− 4 −10 −12 + 1 + 7 + 0 + 7 − 4 − 2 −23	0	1.10
81132	16 34 09.06	+50 58 08.2	7.91	H	248.537 762 47	+50.968 937 47		5.77	18.76	−15.55	0.55	0.55	0.62	0.61	0.56	+ 1 − 2 − 2 +14 + 2 −12 + 2 + 5 − 8 − 1	0	−1.63
81133	16 34 09.11	−29 49 51.0	8.35	G	248.537 954 20	−29.830 845 21		5.25	−16.95	1.23	1.05	0.75	1.13	1.27	0.97	−30 −24 − 8 +30 − 7 + 5 − 5 +62 −27 −20	0	−1.40
81134	16 34 09.99	−52 37 41.4	10.12	2 G	248.541 619 57	−52.628 180 41	B	2.22	−1.48	−1.09	7.63	5.11	6.22	5.27	4.41	− 2 − 9 − 2 + 4 + 4 −10 +14 +51 −31 −10	2	−0.03
81135	16 34 10.37	+49 13 28.6	9.38	H	248.543 195 51	+49.224 623 02		4.96	−16.95	20.68	0.77	0.75	0.85	0.87	0.82	+ 4 + 2 + 6 +24 +14 − 3 +14 + 0 −15 + 4	1	0.24
81136	16 34 10.46	−38 23 24.8	7.47	H	248.543 590 61	−38.390 233 77		5.05	−15.20	−24.14	0.84	0.70	1.03	0.92	0.90	−19 −35 − 2 − 1 − 7 +12 + 7 − 6 −36 −21	0	−0.01
81137	16 34 12.10	−52 37 17.3	7.84	H	248.550 436 69	−52.621 472 11	A	3.22	−1.52	1.20	1.53	1.37	1.76	1.65	1.40	+ 7 − 5 − 7 +14 + 6 − 5 +14 +57 −34 − 4	2	−0.03
81138	16 34 12.41	−25 00 03.6	8.21	H	248.551 701 64	−25.001 002 44		4.29	−26.28	−45.55	1.07	0.74	1.11	1.11	0.93	−27 −41 + 3 +34 −18 − 9 − 9 +60 − 7 −35	0	−0.04
81139	16 34 12.73	+75 58 54.4	9.92	G	248.553 029 62	+75.981 788 93		31.94	105.59	143.13	0.90	1.03	0.97	1.00	1.33	+19 −19 −20 −31 −14 + 8 −15 −34 +12 +27	0	0.44
81140	16 34 18.87	−29 10 30.9	11.34	G	248.578 641 33	−29.175 263 39		8.78	−169.32	−189.92	5.88	3.88	6.60	7.11	4.86	−23 −25 − 9 + 7 + 3 + 1 + 5 +35 −23 −12	2	
81141	16 34 19.37	−70 59 17.0	5.50	G	248.580 705 89	−70.988 065 09		3.46	−16.37	−13.31	0.33	0.48	0.61	0.35	0.58	+17 −23 − 4 + 5 − 3 − 7 − 6 + 5 +11 +20	1	−0.39
81142	16 34 21.35	+21 15 55.0	9.14	1 H	248.588 957 73	+21.265 290 17		1.33	−9.34	16.67	0.88	0.88	1.34	0.96	1.06	+12 −16 −13 −33 −10 + 8 −13 +15 − 1 +17	0	−0.22
81143	16 34 21.45	−33 17 41.0	8.82	H	248.589 357 88	−33.294 732 18		6.58	−35.46	−60.95	1.07	0.65	1.22	1.03	0.83	−31 −39 − 6 − 5 − 8 +13 +11 +39 −36 −42	2	−1.32
81144	16 34 23.07	−49 46 11.3	7.39	2 H	248.596 138 92	−49.769 798 77		0.37	−1.38	−4.32	0.82	0.62	1.05	1.07	0.83	+ 1 −19 −15 +16 − 9 +14 + 0 +50 −16 −16	0	−0.09
81145	16 34 23.34	−04 00 52.0	8.94	G	248.597 238 76	−04.014 439 10		13.07	−5.95	−3.92	1.37	1.01	1.29	1.83	1.73	−46 − 4 − 9 +57 −48 +28 −37 +83 −22 −59	0	−0.23
*81146	16 34 24.19	−25 32 59.0	9.98	G	248.600 787 27	−25.549 727 53		1.53	−3.27	−7.85	1.74	1.24	1.88	2.42	1.67	−34 −26 + 2 +10 + 0 − 5 − 3 +53 − 7 −26	0	0.72
*81147	16 34 24.13	+32 01 08.1	8.94	H	248.600 540 93	+32.018 913 13		6.00	18.68	19.83	0.69	0.84	0.94	0.83	1.06	+13 − 4 + 3 +45 +12 − 3 +10 +30 + 1 − 6	0	−0.11
81148	16 34 24.85	−64 03 56.5	9.69	G	248.603 547 90	−64.065 707 33		0.36	−12.63	−13.75	0.94	1.07	1.59	1.13	1.33	− 7 −10 −33 −13 −44 +25 −32 +36 −18 −34	3	−0.05
81149	16 34 25.58	−49 38 27.3	10.92	G	248.606 582 12	−49.640 915 15		−0.66	1.06	−4.10	2.18	1.38	2.73	2.46	1.77	+29 −35 −25 − 2 + 1 +20 +17 +45 −19 + 4	0	−0.12
81150	16 34 27.71	+08 40 26.4	6.85	H	248.615 443 61	+08.673 991 24		7.11	−17.64	−2.54	0.61	0.50	0.89	0.74	0.66	−34 −17 + 5 +19 −26 − 4 −27 +37 −13 −15	0	0.29
81151	16 34 27.71	+38 54 54.8	9.05	H	248.615 467 59	+38.915 218 25		1.05	6.48	−30.28	0.73	0.84	0.94	0.81	1.03	+19 + 4 + 1 −20 − 7 − 5 − 9 −24 −10 + 7	1	0.04
81152	16 34 28.26	+03 54 22.3	8.76	H	248.617 732 22	+03.906 188 68		3.39	−15.24	7.65	1.14	0.69	1.27	1.31	1.00	− 5 −39 − 7 +40 −10 + 5 −13 +73 −12 + 5	0	0.12
81153	16 34 28.28	−06 08 10.2	7.75	H	248.617 847 12	−06.136 154 39		0.16	−9.80	−11.92	1.04	0.68	1.12	1.27	1.26	−32 −44 − 5 +15 −34 + 7 − 3 +59 −13 −68	0	0.06
81154	16 34 28.40	−57 24 29.0	9.19	H	248.618 347 63	−57.408 065 64		8.89	−4.59	−68.57	0.85	0.74	1.25	0.97	0.90	+14 −17 −10 +25 +12 −15 +15 +51 −22 +14	0	−0.63
81155	16 34 28.66	−72 54 53.2	8.12	H	248.619 402 67	−72.914 772 48		2.42	−18.36	−43.75	0.51	0.78	0.95	0.57	0.91	+20 − 7 +11 − 5 − 4 + 1 − 4 −10 + 3 +27	0	−0.09
81156	16 34 30.23	+77 39 14.3	7.93	H	248.625 965 03	+77.653 978 70		2.54	−14.65	−12.05	0.59	0.73	0.72	0.59	0.93	+10 −29 −34 −18 − 4 +11 + 0 −18 + 0 + 4	0	0.19
81157	16 34 30.90	−63 08 00.7	9.70	3 T	248.628 737 74	−63.133 531 82		2.40	−3.80	−12.99	1.06	1.03	1.61	1.48	1.40	+ 5 −12 −12 +18 − 7 + 9 − 3 +44 −16 + 1	0	−1.19
81158	16 34 31.46	+56 27 16.2	9.94	H	248.631 096 30	+56.454 493 09		3.53	11.27	−9.48	0.91	1.02	1.02	1.18	1.17	+12 + 6 + 0 − 2 +13 −12 +10 + 5 − 6 +30	1	−0.09
81159	16 34 33.71	−08 08 57.5	7.64	H	248.640 461 86	−08.149 299 14		3.12	−1.71	−16.67	0.99	0.61	1.13	1.11	0.97	−17 −42 − 7 +17 −17 −25 − 3 +51 + 0 −48	0	−0.13
81160	16 34 34.93	+37 59 44.3	8.88	H	248.645 548 11	+37.995 651 13		8.82	−18.58	−14.01	0.66	0.79	0.88	0.86	0.99	+ 6 + 5 − 5 +16 +10 − 8 +11 − 9 + 7 +13	0	0.89
81161	16 34 35.08	+26 00 32.7	10.00	H	248.646 187 26	+26.009 085 67		4.96	−0.11	−3.57	1.74	2.49	3.36	2.29	3.03	+ 5 −10 −21 − 7 + 5 − 8 + 2 −15 − 3 − 9	0	
81162	16 34 35.86	+63 15 31.6	7.61	H	248.649 397 23	+63.258 770 96		7.29	−129.98	78.20	0.51	0.57	0.59	0.44	0.63	+ 3 −18 − 7 −30 −23 + 5 −27 − 9 +16 −17	1	0.03
81163	16 34 37.90	−31 18 04.9	9.55	H	248.657 912 95	−31.301 372 77		0.76	−10.14	−16.67	1.29	0.95	1.45	1.87	1.32	−33 −12 −14 +23 − 7 − 9 −13 +64 −31 −15	0	0.81
81164	16 34 38.00	−46 31 34.7	8.77	H	248.658 330 65	−46.526 295 75		3.64	−1.35	−22.40	1.91	1.27	2.35	1.56	1.54	− 5 −68 −14 −20 + 8 +13 +33 −23 −37 −13	0	−2.02
81165	16 34 40.64	+03 17 57.3	11.53	2 G	248.669 326 69	+03.299 250 99		25.44	205.65	−118.73	2.96	1.67	3.27	3.34	2.54	− 4 −24 +13 +50 − 8 −11 − 9 +69 − 3 − 1	5	2.96
81166	16 34 40.69	−40 20 51.0	9.23	G	248.669 530 57	−40.347 499 18		11.85	−1.64	−47.77	1.46	1.66	1.54	1.78	1.76	−55 − 6 −46 +42 −66 +36 −55 +72 −33 −67	0	−1.69
81167	16 34 41.21	+63 56 05.8	7.59	H	248.671 709 59	+63.934 944 69		5.72	1.52	−1.93	0.55	0.59	0.62	0.46	0.67	+ 1 −16 + 5 −39 −24 − 5 −26 − 9 +19 −23	0	−0.19
81168	16 34 41.76	−66 00 50.7	7.34	H	248.674 011 79	−66.014 076 72		3.03	−5.44	−6.49	0.51	0.56	0.81	0.53	0.61	− 4 −28 − 8 − 5 −11 + 4 − 8 +24 + 5 −19	0	−0.50
81169	16 34 41.85	−22 36 59.3	9.49	H	248.674 382 31	−22.616 458 62		3.84	−19.76	−42.33	1.39	0.93	1.55	1.71	1.18	−12 −28 −23 − 1 +15 + 1 +16 +14 + 2 −25	2	−0.14
81170	16 34 42.43	−04 13 38.5	9.60	G	248.676 798 62	−04.227 358 92		20.71	−133.09	−704.00	1.63	1.17	1.50	2.39	2.05	−40 + 7 −10 +53 −36 +23 −34 +82 −18 −43	0	1.39
81171	16 34 44.08	−57 26 58.8	8.74	H	248.683 668 97	−57.449 679 41		8.67	−3.52	−69.18	0.77	0.67	1.18	0.83	0.82	+ 5 −28 − 5 +16 + 3 − 8 +11 +52 −24 + 1	0	−0.33
81172	16 34 45.69	−49 23 44.1	7.42	H	248.690 388 43	−49.395 586 51		1.59	−0.37	−4.52	0.87	0.70	1.08	1.03	0.80	+ 6 −30 −32 +13 + 1 + 5 + 6 +28 −12 − 8	0	0.07
81173	16 34 47.54	−19 56 27.2	8.87	H	248.698 102 52	−19.940 894 92		1.72	9.05	−5.54	1.26	0.78	1.46	1.53	1.06	−13 −11 − 4 + 2 + 8 −25 +15 +31 −18 −19	5	0.22
81174	16 34 48.69	−65 52 34.3	8.11	G	248.702 854 94	−65.876 204 88		12.32	−36.40	−2.76	0.72	0.75	1.16	0.76	0.85	+ 3 −23 −18 − 8 −11 −16 −13 +19 +19 −23	3	0.99
81175 H	16 34 49.92	+11 24 03.5	10.01	H	248.708 004 42	+11.400 965 61	A	4.54	−5.05	8.72	2.60	2.06	2.68	3.04	2.82	−47 + 0 + 1 +30 −11 +22 −21 +46 −15 −10	2	−0.59
81176	16 34 50.16	−45 25 46.3	9.65	G	248.709 018 74	−45.429 525 36		17.79	−208.79	−90.84	1.57	1.31	1.80	2.16	1.77	+ 6 −17 − 5 +22 + 3 +26 +12 + 6 − 6 +29	0	−1.05
81177	16 34 50.99	+21 44 32.9	8.02	H	248.712 445 26	+21.742 472 28		20.62	−34.17	42.69	0.77	0.70	1.09	1.09	0.91	+16 −21 − 7 −64 −29 +22 −30 − 4 + 2 +20	0	−0.53
81178	16 34 51.82	+76 30 39.4	8.50	H	248.715 918 87	+76.510 954 29		0.66	−3.42	31.86	0.65	0.74	0.73	0.73	0.94	+ 5 −17 −17 −10 + 2 +13 + 4 −30 +11 +11	0	−0.59
81179	16 34 52.30	−18 18 13.7	8.83	G	248.717 902 94	−18.303 813 72		12.30	−29.57	−57.12	1.10	0.71	1.21	1.24	0.84	−14 −34 +28 + 8 − 1 + 1 − 3 +29 −11 +19	0	1.14
81180	16 34 52.49	−47 59 23.2	7.97	G	248.718 692 35	−47.989 781 42		1.80	−5.30	−4.25	1.20	1.09	1.45	1.54	1.19	+14 −25 −51 +36 +29 − 9 +20 +13 +14 −19	0	−0.45
81181	16 34 53.47	−25 34 40.3	10.59	G	248.722 807 83	−25.577 869 20		21.73	−127.69	−267.63	2.08	1.45	2.26	2.92	1.99	−30 −18 + 4 + 0 + 1 −12 − 1 +45 + 7 −29	0	0.27
81182	16 34 54.40	−49 45 53.1	11.05	G	248.726 665 92	−49.764 755 73		5.36	−8.77	1.42	4.51	3.43	5.74	5.83	4.68	+ 4 −21 −24 − 3 − 7 − 2 − 1 +21 −20 −15	0	
81183	16 34 54.59	−67 18 41.0	8.15	H	248.727 459 41	−67.311 384 40		5.33	−19.98	−26.62	0.57	0.65	1.03	0.68	0.77	+13 + 7 − 5 −26 + 2 −13 + 5 + 3 + 1 − 2	0	−0.73
81184	16 34 55.86	−27 19 29.3	10.54	H	248.732 730 43	−27.324 796 09		5.82	−18.15	−13.80	2.29	1.90	2.58	2.54	2.53	−47 − 9 −27 +36 −39 + 6 −32 +78 −42 −48	2	1.55
81185	16 34 57.55	+05 09 12.5	8.94	H	248.739 790 48	+05.153 469 20		6.73	12.32	26.04	1.17	0.71	1.31	1.24	0.92	−15 −38 + 0 +50 −21 −11 −17 +65 −17 − 3	0	0.47
81186	16 34 57.77	+54 30 32.7	9.36	H	248.740 719 89	+54.509 078 17		26.61	79.43	182.40	0.85	0.83	0.93	0.98	0.89	+ 4 + 8 −10 +23 +12 −10 + 8 + 9 −25 + 9	3	−0.57
81187	16 34 59.95	+67 23 10.9	8.56	H	248.749 784 73	+67.386 352 47		1.65	−3.50	−16.92	0.61	0.70	0.71	0.69	0.85	− 6 −15 −18 − 7 + 1 + 3 + 7 +17 −27 −16	0	0.31
81188	16 35 00.78	+60 28 05.2	7.23	2 H	248.753 268 33	+60.468 099 35		3.52	−58.41	9.24	0.49	0.56	0.56	0.58	0.68	+ 6 − 4 −20 − 5 + 4 −13 + 2 − 5 − 3 + 0	0	0.81
81189	16 35 01.64	+06 50 58.1	8.22	G	248.756 818 27	+06.849 483 76		6.65	−19.40	−7.92	1.07	0.64	1.13	1.12	0.79	+13 −43 −21 +55 + 4 −10 +12 +53 −24 + 4	0	0.78
81190	16 35 01.86	−26 26 02.7	9.24	H	248.757 730 83	−26.434 092 33		6.62	14.42	−23.33	1.36	1.01	1.49	1.76	1.37	−39 −17 −10 + 7 − 4 + 6 − 1 +46 −22 −38	0	1.19
81191	16 35 01.93	+33 12 48.1	7.88	2 H	248.758 049 97	+33.213 365 43		8.06	39.09	−39.57	0.52	0.61	0.77	0.56	0.71	− 1 −13 −22 + 8 + 4 −12 + 4 +14 −13 −13	0	0.34
81192	16 35 02.27	+00 18 28.4	9.65	G	248.759 454 15	+00.307 878 64		−0.97	−4.16	−1.41	1.65	0.84	1.69	2.02	1.45	+ 3 −52 − 1 +29 + 6 −14 +14 +63 −20 + 9	0	−1.97
81193	16 35 03.97	−58 51 09.2	8.52	H	248.766 551 56	−58.852 562 09		14.38	−18.91	−67.43	0.80	0.71	1.02	0.92	0.84	+26 −28 −19 +45 +25 −12 +28 +61 −24 +24	0	0.34
81194 H	16 35 04.44	−33 39 00.5	9.51	2 H	248.768 487 98	−33.650 149 34	A	13.86	74.66	−134.09	2.44	1.48	2.48	2.35	1.67	−15 −20 − 5 − 3 +18 + 8 +24 +46 −35 −18	0	1.26
81195	16 35 06.10	+48 25 31.9	8.62	H	248.775 407 59	+48.425 531 45		8.42	−20.23	−12.80	0.61	0.61	0.70	0.66	0.63	− 1 − 8 +13 + 0 +11 − 6 +11 − 2 + 7 + 8	0	0.47
81196	16 35 06.69	+31 04 58.5	8.68	H	248.777 859 59	+31.082 928 39		5.78	3.30	8.17	0.69	0.84	1.07	0.79	0.92	+25 −12 −17 +17 +12 − 1 +12 +16 + 1 +17	0	−0.62
81197	16 35 06.80	−36 03 39.4	8.42	G	248.778 345 19	−36.060 951 33		13.32	−67.38	−292.77	1.06	0.72	1.21	1.01	0.87	−11 −46 − 6 −12 + 6 + 9 +19 − 6 −28 −26	0	1.56
81198	16 35 07.77	−45 14 39.2	6.43	H	248.782 385 13	−45.244 215 31		5.31	−30.49	−62.06	0.90	0.75	0.94	0.95	0.84	+25 −39 −22 +13 + 0 + 7 + 2 − 9 +20	0	0.84
81199	16 35 07.92	−62 43 11.3	8.98	H	248.782 994 66	−62.719 804 12		5.66	−4.58	−7.68	0.95	0.91	1.37	1.21	1.16	+ 8 −14 − 8 + 3 − 1 −14 − 2 +34 − 4 + 9	0	−0.05
*81200	16 35 08.48	−34 24 16.9	9.26	G	248.785 317 48	−34.404 688 80		0.64	−2.98	3.13	1.45	0.85	1.51	1.91	1.04	+ 7 −11 +12 +29 +36 +41 +35 +50 − 3 + 7	0	−0.52

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
81101	8.700	0.016	8.177	0.015	*	0.491	0.020	T	0.56	0.02	L *	8.3118	0.0017	0.015	111	*	8.29	8.38		D	16339+4716	I 1	2 C	A	AB	252	5.019	0.004	0.04	0.02	S
81102	9.648	0.018	8.790	0.014	*	0.768	0.017	T	0.81	0.01	L *	8.8653	0.0018	0.016	108	*	8.84	8.89		D	16339+7159	H 1	2 C	A	AB	268	0.349	0.009	1.68	0.08	S
81103	10.216	0.024	8.945	0.014		1.082	0.022	T	1.04	0.02	L	8.9926	0.0017	0.018	108		8.97	9.03		C			1							
81104	8.951	0.013	7.281	0.007		1.396	0.012	T	1.37	0.01	L	7.2755	0.0010	0.011	105		7.26	7.30					1							S
81105	9.827	0.024	8.369	0.013		1.229	0.021	T	1.19	0.02	L	8.3823	0.0013	0.010	107		8.36	8.40					1							
81106	10.089	0.041	9.260	0.032		0.730	0.040	T	0.78	0.03	L	9.3316	0.0025	0.020	58		9.29	9.37		C	16339−4253	I 1	1	S						
81107	9.925	0.019	8.726	0.012		1.026	0.018	T	1.00	0.01	L	8.7810	0.0015	0.016	156		8.75	8.81		C			1							
81108	11.198	0.059	9.943	0.033		1.070	0.053	T	1.03	0.04	L	10.0911	0.0032	0.022	97		10.06	10.13					1							
81109	10.438	0.059	9.691	0.048		0.668	0.058	T	0.73	0.05	L	9.7107	0.0041	0.017	47		9.67	9.73					1							G
81110	10.384	0.036	9.612	0.029		0.703	0.036	T	0.76	0.03	L	9.7012	0.0024	0.019	104		9.66	9.73		C			1							
81111	9.778	0.022	8.325	0.012		1.225	0.020	T	1.18	0.02	L	8.3411	0.0013	0.011	116		8.32	8.36					1							
81112	9.625	0.015	8.609	0.011		0.886	0.014	T	0.89	0.01	L	8.6781	0.0017	0.017	171		8.65	8.71					1							
81113	8.118	0.009	6.939	0.006		1.011	0.008	T	0.99	0.01	L	7.0028	0.0010	0.008	95		6.99	7.01		C			1							S
81114	10.497	0.044	9.940	0.042		0.527	0.045	T	0.60	0.05	L	9.9299	0.0031	0.022	75		9.90	9.96		C			1							G
81115	7.999	0.011	7.738	0.009		0.259	0.001	G	0.29	0.00	H	7.7776	0.0013	0.012	102		7.76	7.79					1							S
81116	9.218	0.014	8.779	0.014		0.414	0.018	T	0.48	0.02	L	8.8202	0.0018	0.017	133		8.79	8.85		C			1							S
81117	11.143	0.072	9.274	0.024	*	1.251	0.232	G	1.17	0.13	L *	9.1634	0.0043	0.020	72	*	9.13	9.20			16340−1532	H 1	2 C	A	AB	95	0.449	0.054	2.67	0.36	
81118	10.009	0.035	9.880	0.045		0.080	0.015	G	0.09	0.02	H	9.9525	0.0036	0.020	78		9.92	9.98		C			1							G
81119	9.763	0.013	7.946	0.006		1.512	0.011	T	1.54	0.02	L	7.9253	0.0013	0.017	238		7.90	7.95					1							S
81120	9.292	0.013	8.815	0.013		0.449	0.017	T	0.52	0.02	L	8.8734	0.0021	0.019	131		8.84	8.91		C			1							
81121	8.708	0.022	8.658	0.027		0.066	0.015	G	0.08	0.02	H	8.6953	0.0024	0.015	36		8.67	8.72					1							
81122	4.962	0.004	4.918	0.005		0.045	0.006	T	0.18	0.03	C	4.9208	0.0014	0.011	47		4.90	4.94		U 2			1							S
81123	11.159	0.114	10.320	0.080		0.639	0.020	G	0.70	0.02	H	10.4271	0.0043	0.030	55		10.38	10.47		C			1							G
81124	11.032	0.043	9.820	0.025		1.036	0.039	T	1.01	0.03	L	9.8571	0.0029	0.029	141		9.78	9.89		R			1	S						G
81125	7.236	0.012	6.958	0.010		0.264	0.015	T	0.30	0.02	L	6.9906	0.0018	0.009	46		6.98	7.00					1							S
81126	4.183	0.003	4.199	0.002		−0.013	0.010	G	0.02	0.03	C	4.2022	0.0005	0.004	103		4.20	4.21		C			1							S
81127	10.362	0.042	8.641	0.019		1.436	0.036	T	1.43	0.06	L	8.6257	0.0028	0.012	56		8.61	8.64		C			1							
81128	11.571	0.080	9.667	0.024		1.581	0.066	T	1.60	0.07	L	9.5207	0.0039	0.030	110		9.47	9.58		U			1							
81129	9.062	0.015	8.040	0.011		0.891	0.014	T	0.90	0.01	L	8.0981	0.0016	0.013	91		8.07	8.12					1							
81130	12.083	0.113	10.706	0.049		1.568	0.082	G	1.70	0.17	K	10.7251	0.0049	0.058	162		10.62	10.86		U			1							G
81131	9.463	0.016	8.086	0.009		1.165	0.014	T	1.13	0.01	L	8.1327	0.0019	0.014	126		8.11	8.16		C			1							
81132	9.046	0.013	8.012	0.009		0.900	0.012	T	0.90	0.01	L	8.0738	0.0009	0.011	109		8.06	8.09		C			1							S
81133	9.134	0.015	8.452	0.013		0.626	0.020	G	0.69	0.02	H	8.4921	0.0014	0.011	97		8.47	8.51		C			1							
81134	10.161	0.020	9.963	0.027	B	0.057	0.015	G	0.07	0.01	H	10.1544	0.0173			B				U 2	16342−5237	H 2	1 C	I D						D
81135	10.461	0.035	9.476	0.024		0.863	0.032	T	0.88	0.02	L	9.5348	0.0018	0.018	100		9.50	9.56		C			1							
81136	8.393	0.013	7.565	0.011		0.746	0.013	T	0.79	0.01	L	7.6099	0.0019	0.011	56		7.59	7.62					1							S
81137	9.982	0.017	8.016	0.007	A	1.402	0.134	G	1.67	0.03	M	7.9455	0.0033	0.017	212	A	7.92	7.97			16342−5237	H 2	1 C	P D						D
81138	9.727	0.023	8.377	0.014		1.144	0.021	T	1.11	0.02	L	8.3789	0.0018	0.012	71		8.36	8.40		C			1							
81139	11.450	0.070	10.063	0.034		1.120	0.020	G	1.20	0.03	I	10.0173	0.0026	0.024	97		9.97	10.06		R			1							
81140	12.752	0.372	11.236	0.141		0.848	0.003	G	0.89	0.00	H	11.5029	0.0058	0.039	80		11.44	11.55					1	X						G G
81141	7.114	0.004	5.634	0.002		1.235	0.004	G	1.10	0.02	A	5.6888	0.0005	0.007	175		5.68	5.70					1							S
81142	10.633	0.033	9.249	0.017		1.171	0.029	T	1.13	0.03	L	9.2956	0.0025	0.029	144		9.25	9.34		U			1							
81143	9.877	0.020	8.937	0.015		0.830	0.019	T	0.85	0.01	L	8.9704	0.0015	0.020	129		8.94	9.01					1							
81144	8.424	0.013	7.548	0.008		0.782	0.011	T	0.82	0.01	L	7.5422	0.0027	0.021	102		7.51	7.57		U 2			1							S
81145	8.591	0.012	8.872	0.018		−0.280	0.010	G	−0.26	0.02	A	8.8424	0.0016	0.013	108		8.82	8.87					1							
81146	10.320	0.036	10.079	0.046		0.317	0.013	G	0.37	0.02	H	10.0727	0.0038	0.029	72		10.02	10.11					1							G
81147	9.605	0.017	9.034	0.016		0.534	0.021	T	0.61	0.02	L	9.0547	0.0019	0.024	138		9.02	9.10		R			1							
81148	10.097	0.023	9.724	0.027		0.393	0.020	G	0.46	0.02	H	9.7915	0.0018	0.028	147		9.74	9.84					1							G
81149	11.575	0.145	10.751	0.112		0.700	0.020	G	0.76	0.02	H	11.0343	0.0045	0.036	90		10.96	11.08					1							G
81150	8.278	0.009	6.977	0.005		1.106	0.008	T	1.07	0.01	L	7.0204	0.0009	0.009	154		7.00	7.04		C			1							S
81151	10.579	0.036	9.163	0.019		1.196	0.032	T	1.16	0.03	L	9.2129	0.0017	0.016	121		9.19	9.24		C			1							
81152	9.352	0.015	8.823	0.015		0.496	0.019	T	0.57	0.02	L	8.8671	0.0012	0.014	154		8.84	8.89		C			1							
81153	7.746	0.008	7.770	0.009		−0.017	0.011	T	0.07	0.02	A	7.7790	0.0010	0.009	94		7.77	7.80		C			1							S
81154	9.811	0.018	9.251	0.017		0.529	0.018	T	0.60	0.02	L	9.3070	0.0016	0.018	154		9.28	9.34		C			1							
81155	9.552	0.013	8.244	0.008		1.111	0.012	T	1.07	0.01	L	8.2936	0.0016	0.019	184		8.26	8.32					1							
81156	9.301	0.016	8.042	0.010		1.073	0.015	T	1.04	0.01	L	8.0981	0.0009	0.010	95		8.08	8.12		D			1							S
81157	10.627	0.034	9.780	0.026		0.760	0.032	T	0.80	0.02	L	9.8578	0.0360	0.270	126		9.59	10.32	1.95	P 1 A			1							G
81158	11.051	0.052	9.899	0.032		0.990	0.048	T	0.97	0.04	L	10.0834	0.0032	0.029	95		10.02	10.15					1							
81159	9.871	0.026	7.827	0.010		1.687	0.020	G	1.66	0.02	J	7.7544	0.0017	0.010	97		7.74	7.78					1							S
81160	9.379	0.015	8.922	0.015		0.417	0.015	G	0.48	0.02	H	8.9692	0.0015	0.020	124		8.93	9.00					1							
81161	10.370	0.024	10.034	0.028		0.319	0.034	T	0.37	0.05	L	10.0758	0.0030	0.038	190		9.99	10.14					1	X						
81162	9.229	0.016	7.736	0.009		1.256	0.014	T	1.21	0.01	L	7.7660	0.0015	0.011	103		7.75	7.79					1							S
81163	10.156	0.035	9.600	0.033		0.526	0.036	T	0.60	0.04	L	9.6709	0.0026	0.025	113		9.64	9.72		C			1							G
81164	10.538	0.075	8.982	0.035		1.306	0.065	T	1.27	0.07	L	8.9204	0.0033	0.016	47		8.90	8.95					1							
81165						1.463	0.012	G	1.86	0.05	I	11.5904	0.0050	0.055	143		11.33	11.67		U 2			1	S						G
81166	9.934	0.042	9.298	0.039		0.589	0.003	G	0.66	0.00	H	9.3599	0.0023	0.013	42		9.34	9.39					1							
81167	8.811	0.012	7.694	0.008		0.962	0.011	T	0.95	0.01	L	7.7517	0.0011	0.011	97		7.73	7.77					1							S
81168	7.226	0.005	7.320	0.007		−0.090	0.005	G	−0.07	0.01	H	7.3154	0.0009	0.010	133		7.30	7.33		C			1							S
81169	11.714	0.130	9.641	0.033		1.716	0.107	T	1.74	0.11	L	9.5973	0.0025	0.017	68		9.56	9.63		C			1							
81170	10.504	0.045	9.723	0.036		0.736	0.003	G	0.90	0.02	A	9.7373	0.0015	0.018	110		9.71	9.76		C	16348−0413	I 1	1							
81171	9.203	0.012	8.783	0.013		0.410	0.014	T	0.48	0.01	L	8.8327	0.0014	0.016	149		8.81	8.87					1							
81172	7.949	0.012	7.479	0.011		0.443	0.015	T	0.51	0.02	L	7.5199	0.0022	0.012	70		7.50	7.54					1							S
81173	11.015	0.068	9.044	0.023		1.634	0.057	T	1.66	0.06	L	8.9887	0.0027	0.016	60		8.95	9.01		C			1							
81174	8.700	0.010	8.172	0.010		0.528	0.015	G	0.60	0.02	H	8.2134	0.0014	0.015	140		8.18	8.24			16348−6553	I 1	1							S
81175	10.830	0.037	10.152	0.033	*	0.627	0.042	T	0.69	0.04	L *	10.1385	0.0022	0.022	181	*	10.09	10.18		D	16348+1124	H 1	2 C	A	AB	235	0.448	0.008	1.45	0.04	
81176	10.922	0.075	9.783	0.044		0.926	0.005	G	0.97	0.01	I	9.7928	0.0030	0.022	57		9.74	9.85					1							G
81177	8.892	0.011	8.116	0.009		0.706	0.011	T	0.76	0.01	L	8.1608	0.0012	0.015	163		8.13	8.19		C			1	G						
81178	10.064	0.028	8.656	0.016		1.190	0.025	T	1.15	0.02	L	8.6669	0.0012	0.012	86		8.64	8.69		C			1							
81179	9.632	0.020	8.896	0.017		0.664	0.015	G	0.73	0.01	H	8.9620	0.0013	0.015	82		8.94	8.99					1							
81180	7.988	0.014	7.947	0.016		0.042	0.009	G	0.06	0.01	H	7.9842	0.0025	0.012	41		7.97	8.01					1							
81181	11.731	0.120	10.550	0.065		0.950	0.005	G	1.00	0.01	I	10.7249	0.0051	0.030	74		10.66	10.78		C			1							G
81182	11.928	0.261	10.766	0.126		0.740	0.015	G	0.79	0.01	H	11.0851	0.0042	0.042	77		11.01	11.16		D			1	X	S					D
81183	8.692	0.010	8.196	0.010		0.503	0.015	G	0.58	0.02	H	8.2572	0.0014	0.016	186		8.23	8.29		C			1							
81184	11.443	0.121	10.634	0.092		0.421	0.107	G	0.49	0.11	R	10.6331	0.0040	0.031	77		10.55	10.69		C			1							G
81185	9.552	0.017	9.019	0.016		0.500	0.021	T	0.57	0.02	L	9.0508	0.0014	0.017	135		9.03	9.08					1							
81186	10.524	0.037	9.455	0.024		0.926	0.033	T	0.92	0.02	L	9.5260	0.0014	0.019	101		9.48	9.56		R			1							
81187	10.421	0.031	8.688	0.014		1.446	0.027	T	1.44	0.04	L	8.7002	0.0020	0.015	87		8.68	8.73					1							
81188	9.284	0.017	7.519	0.008		1.500	0.015	T	2.98	0.07	O	7.1473	0.0240	0.230	92		6.87	7.46		U 2 B			1	S						S
81189	8.441	0.010	8.255	0.011		0.184	0.015	G	0.20	0.02	H	8.2873	0.0013	0.014	117		8.25	8.31		C			1							S
81190	10.180	0.039	9.317	0.029		0.757	0.037	T	0.80	0.03	L	9.3818	0.0015	0.014	72		9.35	9.41		D			1							
81191	8.401	0.009	7.924	0.009		0.449	0.012	T	0.52	0.01	L	7.9762	0.0076	0.055	145		7.92	8.06	0.42	P 1 A			1							S
81192	10.253	0.032	9.743	0.031		0.490	0.015	G	0.56	0.02	H	9.7799	0.0022	0.019	113		9.75	9.82		C			1							
81193	9.113	0.012	8.584	0.011		0.505	0.012	T	0.58	0.01	L	8.6313	0.0013	0.015	126		8.60	8.66		C			1							
81194	10.495	0.034	9.606	0.026	A	0.500	0.495	G	0.95	0.07	B *	9.6703	0.0038	0.035	120	*	9.62	9.71		R 2	16351−3339	I 1	2 C	D	AB	165	4.856	0.131	4.12	0.70	G D
81195	9.063	0.012	8.672	0.013		0.400	0.015	G	0.47	0.02	H	8.7119	0.0018	0.017	116		8.68	8.74		C			1							
81196	9.552	0.016	8.753	0.013		0.724	0.016	T	0.78	0.01	L	8.8185	0.0020	0.018	136		8.79	8.86		C			1							S
81197	9.477	0.024	8.522	0.018		0.822	0.002	G	0.84	0.00	H	8.5715	0.0029	0.014	59		8.55	8.59					1							
81198	8.177	0.014	6.580	0.007		1.346	0.006	G	1.31	0.01	H	6.5836	0.0012	0.009	61		6.57	6.60					1	G						S
81199	10.230	0.025	9.090	0.016		0.980	0.023	T	0.96	0.02	L	9.1430	0.0021	0.025	124		9.10	9.18					1							
81200	9.216	0.018	9.214	0.025		0.011	0.007	G	0.03	0.01	H	9.2701	0.0033	0.020	90		9.24	9.31					1							

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)										Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
*81201	16 35 08.47	+33 18 06.8	11.04	G	248.785 301 39	+33.301 885 24	26.78	−244.29	−74.13	1.14	1.42	1.75	1.35	1.63	+ 5	− 6	−11	− 1	− 2	−25	− 4	− 8	−16	+ 5	0	2.77
81202	16 35 09.28	+38 58 33.7	8.86	G	248.788 660 48	+38.976 026 51	9.52	−148.29		0.72	0.80	0.92	0.79	0.99	+12	+ 1	+ 0	−24	− 7	− 5	− 7	−23	− 6	−10	0	1.66
81203	16 35 09.31	−44 22 51.0	9.64	G	248.788 812 10	−44.380 820 60	−0.64	−1.15	−3.38	1.26	1.14	1.52	1.44	1.39	− 4	−23	−11	+ 1	− 6	− 3	− 1	− 4	−23	− 3	0	0.15
81204	16 35 09.63	+38 04 39.3	9.63	H	248.790 114 25	+38.077 581 48	1.75	0.01	3.62	0.79	0.95	1.08	0.91	1.12	+ 4	+11	−11	− 1	+ 7	− 6	+ 7	− 7	+ 6	+ 8	0	0.14
81205	16 35 12.10	+05 31 04.5	8.37	H	248.800 414 32	+05.517 915 25	5.96	4.10	−7.82	1.01	0.61	1.22	0.99	0.79	− 9	−45	− 3	+42	−22	− 8	−13	+57	−20	−10	0	0.82
81206	16 35 12.31	−02 14 09.3	9.33	G	248.801 284 49	−02.235 906 52	11.66	−115.34	−62.33	1.54	1.17	1.62	1.79	1.79	−44	−28	+19	+36	−36	− 1	−28	+73	+ 0	−49	4	0.41
81207	16 35 13.33	+35 33 01.0	9.31	H	248.805 548 08	+35.550 264 03	1.47	−1.84	−5.92	0.71	0.89	1.01	0.80	1.12	+ 6	− 3	− 2	+ 2	+13	+ 3	+13	− 5	−19	−11	0	0.17
81208	16 35 13.85	−35 43 28.5	6.63	H	248.807 693 12	−35.724 582 52	7.32	−11.17	−24.65	0.79	0.54	0.85	0.76	0.65	−32	−39	− 7	−22	+ 1	− 3	+14	+ 5	−18	−54	0	3.45
81209	16 35 13.97	+29 08 25.5	10.81	H	248.808 193 65	+29.140 413 09	2.11	−2.10	20.07	2.12	2.65	3.40	2.28	2.97	+10	−13	− 5	− 5	+ 8	− 6	+ 9	−17	− 4	+10	2	
81210	16 35 14.69	+37 01 19.0	8.58	H	248.811 199 53	+37.021 936 11	12.36	−60.71	79.29	0.59	0.73	0.83	0.70	0.85	+ 8	−10	−24	− 3	+ 6	−17	+ 2	−11	− 9	− 2	0	0.23
81211 H	16 35 15.21	−26 28 42.0	8.52	G	248.813 388 51	−26.478 343 17 A	0.73	2.23	−2.34	2.51	1.99	2.14	2.72	2.32	−28	− 5	−29	+29	−36	+ 9	−22	+65	−30	−56	3	0.29
81212	16 35 18.16	+77 07 13.0	8.23	H	248.825 656 03	+77.120 270 27	6.01	16.04	2.35	0.61	0.68	0.70	0.67	0.95	+ 1	−29	−21	− 5	− 3	+14	− 2	−21	+ 1	− 7	3	−1.22
*81213	16 35 19.23	+55 30 33.9	8.42	H	248.830 122 01	+55.509 404 08	3.86	−5.23	5.89	0.61	0.62	0.67	0.71	0.72	+14	+ 3	− 4	+18	+ 5	+ 4	+ 5	+14	−22	+13	0	−2.57
*81214	16 35 19.20	−43 39 08.0	8.35	H	248.830 007 53	−43.652 222 42	3.90	2.77	−2.30	0.95	0.82	1.14	1.08	0.99	− 6	−33	−15	+ 3	+ 2	+11	+11	− 8	−19	− 3	0	0.61
81215	16 35 20.00	+05 13 34.8	9.10	H	248.833 325 85	+05.226 322 37	17.08	−206.92	−47.78	1.25	0.78	1.41	1.36	1.01	−15	−30	+ 2	+46	−17	− 4	−14	+59	−17	− 6	0	0.69
81216	16 35 20.01	−53 38 50.2	7.20	G	248.833 395 58	−53.647 274 01	1.68	−2.64	−3.86	0.71	0.51	0.95	0.82	0.66	+34	−25	−24	+55	+40	−12	+47	+73	−43	+26	0	−0.27
81217	16 35 20.16	−09 40 20.0	8.06	H	248.834 014 30	−09.672 227 26	13.04	−34.31	−40.56	1.10	0.72	1.14	1.33	1.11	−19	−36	− 7	+22	−16	+ 8	− 6	+62	−10	−32	0	0.06
81218	16 35 21.14	+12 00 09.0	8.98	H	248.838 082 95	+12.002 504 68	8.86	−1.07	−123.36	1.09	0.89	1.45	1.46	1.42	−59	−10	+ 0	+59	−42	+21	−44	+71	−14	−40	0	−0.74
81219	16 35 21.31	+77 45 18.7	6.89	H	248.838 808 48	+77.755 190 61	10.87	17.63	−1.55	0.48	0.60	0.59	0.49	0.76	+ 9	−29	−33	−12	− 4	+11	+ 0	−13	+ 2	+ 7	0	−0.34
81220	16 35 21.67	−16 16 01.2	8.71	H	248.840 285 66	−16.266 990 04	5.33	−3.27	−8.85	1.13	0.80	1.19	1.44	1.13	−35	−18	−10	+27	−18	+21	− 6	+49	−17	−54	0	0.72
81221	16 35 22.20	−41 46 25.3	8.97	H	248.842 491 34	−41.773 688 50	0.90	−1.04	−0.37	1.31	1.17	1.68	1.70	1.41	−32	−24	−46	−10	+17	−36	− 1	−12	+34	−72	0	0.06
81222	16 35 23.47	+31 57 37.9	8.64	H	248.847 797 71	+31.960 532 18	3.42	10.21	1.20	0.63	0.78	0.93	0.75	0.96	+12	− 5	−21	+33	+12	− 6	+ 8	+18	−16	−10	1	−0.75
81223	16 35 23.54	+08 48 59.5	9.10	H	248.848 068 50	+08.816 519 46	15.36	52.34	−250.05	1.02	0.88	1.39	1.21	1.23	−50	−31	+19	+39	−45	−11	−47	+65	+ 1	−39	0	0.48
81224	16 35 23.75	+15 32 19.6	9.10	H	248.848 944 01	+15.538 775 86	6.23	−8.88	21.40	1.01	0.88	1.33	1.35	1.24	+ 3	−21	−10	+43	+ 0	− 4	+ 0	+52	−15	+21	2	0.78
81225 H	16 35 24.89	+36 54 44.2	8.45	H	248.853 690 54	+36.912 284 67 A	11.85	3.32	32.64	1.07	1.18	1.30	1.23	1.41	+21	− 7	−14	− 4	+ 8	−21	+10	− 4	−22	+16	1	1.23
81226	16 35 25.03	−29 31 51.3	8.07	H	248.854 275 36	−29.530 914 72	0.76	−0.66	−2.69	0.98	0.65	1.05	1.19	0.84	−25	−25	− 3	+18	+10	− 2	+10	+50	−21	−11	0	−0.19
81227 H	16 35 25.09	−58 04 55.3	9.03	H	248.854 536 58	−58.082 040 15 A	0.07	−3.89	−9.65	1.70	1.31	2.11	1.60	1.42	+29	−37	−14	+33	+10	−24	+16	+52	−20	+22	1	0.21
81228	16 35 25.35	+54 52 27.8	8.88	H	248.855 605 67	+54.874 392 79	2.66	6.12	−3.66	0.77	0.72	0.80	0.95	0.87	+15	+ 0	− 2	+43	+16	+ 2	+14	+22	−35	+10	0	−2.13
81229	16 35 25.36	−48 41 52.8	8.56	H	248.855 663 56	−48.697 998 86	13.30	−27.14	−131.95	1.33	1.37	1.75	1.73	1.25	+ 2	−17	−54	+19	+48	−21	+34	− 2	+18	− 7	0	0.12
81230	16 35 26.14	+17 06 02.8	7.27	H	248.858 912 34	+17.100 769 39	6.55	−8.20	−1.00	0.61	0.48	0.96	0.94	0.72	+29	−29	−12	+ 4	+17	−31	+14	+24	−37	+64	2	0.64
81231	16 35 26.29	+17 03 26.4	6.42	H	248.859 555 60	+17.057 345 41	6.17	−8.26	−1.40	0.59	0.47	0.87	0.92	0.70	+30	−28	− 9	+12	+17	−28	+15	+31	−35	+62	2	−0.55
81232	16 35 26.52	+18 57 22.0	8.56	H	248.860 483 03	+18.956 098 46	3.69	4.79	−17.77	0.88	0.79	1.05	0.99	0.94	+46	−20	− 1	+40	+41	+ 6	+42	+44	− 6	+51	0	0.29
81233	16 35 28.87	−34 39 55.9	8.57	H	248.870 290 86	−34.665 540 95	2.43	−12.23	−23.21	1.13	0.67	1.26	1.14	0.81	− 9	−30	− 9	+ 8	+ 4	+18	+18	+40	−30	−22	2	−0.27
81234	16 35 29.02	+12 32 46.7	9.04	H	248.870 918 17	+12.546 296 50	1.60	1.22	−25.10	0.99	0.93	1.34	1.39	1.48	−32	− 9	−13	+47	−28	+17	−25	+61	− 8	−37	0	0.81
81235	16 35 29.08	−21 52 39.4	8.84	H	248.871 173 19	−21.877 611 44	10.04	−74.97	−116.16	1.02	0.68	1.16	1.21	0.88	+ 4	−31	−31	+ 8	+ 8	−17	+ 7	+24	+ 6	−30	0	1.08
81236	16 35 29.23	−30 16 03.5	9.20	H	248.871 786 85	−30.267 641 74	−0.63	−5.98	−0.64	1.18	0.77	1.35	1.46	1.08	−28	− 3	− 9	+ 3	−12	− 7	−19	+58	−37	−10	0	−1.14
81237	16 35 29.73	−18 40 20.6	8.74	G	248.873 865 81	−18.672 402 12	25.32	−87.31	17.00	1.03	0.69	1.15	1.11	0.86	−25	−27	+ 4	+13	−15	+ 4	− 9	+32	−30	−13	0	−0.14
81238	16 35 31.61	+57 50 23.2	11.83	3 H	248.881 710 60	+57.839 791 23	1.80	−11.75	−5.08	2.33	2.45	2.04	3.56	3.29	+13	+ 2	+ 0	−58	−11	−17	−10	−63	−10	+17	2	0.56
81239	16 35 31.77	+49 59 07.8	9.75	H	248.882 365 64	+49.985 494 83	1.76	14.08	−27.84	0.84	0.89	1.00	0.98	0.96	− 4	+ 1	− 1	+19	− 1	−14	− 3	+13	−20	−17	4	−1.60
81240	16 35 32.17	−53 03 55.9	8.86	H	248.884 031 27	−53.065 525 12	11.16	42.82	13.58	0.86	0.65	1.29	1.01	0.84	+ 2	−11	−13	+30	+13	−11	+20	+64	−33	− 6	0	0.45
81241	16 35 32.20	+34 04 35.6	8.91	H	248.884 147 74	+34.076 561 06	3.92	−1.74	−8.73	0.67	0.75	0.94	0.76	0.91	+ 0	−12	+ 5	+17	+ 4	−12	+ 6	+ 4	− 7	+ 1	0	0.45
81242 H	16 35 33.35	+47 40 59.0	9.26	H	248.888 966 30	+47.683 046 76 A	6.56	−22.85	14.31	1.61	1.63	1.53	1.75	1.65	+ 4	+ 7	− 4	− 4	+12	−14	+ 8	+ 3	−24	+22	4	0.75
81243	16 35 33.70	+26 28 27.7	8.64	2 H	248.890 416 78	+26.474 352 96	−0.15	8.22	−24.39	0.64	0.85	1.23	0.82	1.07	+ 7	−12	−19	−14	+ 1	−13	− 1	−13	− 6	− 2	1	−1.26
81244	16 35 35.89	+61 50 48.6	10.01	2 H	248.899 553 57	+61.846 833 48	2.74	−1.26	−2.94	1.03	1.06	1.09	1.12	1.26	+ 6	− 9	−11	−33	− 2	− 8	− 2	−16	+18	−11	0	2.41
81245	16 35 36.71	+21 18 19.3	8.68	2 H	248.902 959 98	+21.305 372 08	0.78	5.48	−9.83	0.74	0.78	1.15	0.79	0.89	− 4	−13	+ 9	−33	−12	+ 0	−17	+12	+ 0	+ 8	0	−0.14
81246	16 35 39.11	+24 19 38.0	8.33	G	248.912 950 04	+24.327 222 87	1.87	−28.29	25.09	0.46	0.77	1.13	0.49	0.87	+ 7	−19	−37	+ 4	+ 5	− 4	+ 8	− 2	−15	+ 6	1	2.03
81247	16 35 39.45	+29 10 13.7	9.10	H	248.914 359 71	+29.170 467 94	3.50	−3.48	−0.07	0.68	0.94	1.23	0.75	1.05	+11	− 6	−18	+24	+13	−12	+11	+ 4	− 8	+ 9	0	−0.10
81248	16 35 41.23	+57 46 52.3	7.43	H	248.921 809 49	+57.781 200 16	10.62	29.18	−31.55	0.60	0.63	0.65	0.75	0.76	+ 5	−16	−12	−21	+ 9	+ 4	+ 7	−10	+10	+ 9	3	0.65
81249	16 35 41.91	−64 43 16.7	8.71	H	248.924 629 29	−64.721 303 13	3.70	8.83	−0.35	0.77	0.74	1.16	0.93	0.97	− 6	−15	− 1	−14	−23	+17	−20	+28	+ 3	−16	1	1.32
81250	16 35 42.49	+40 08 40.9	8.59	H	248.927 060 52	+40.144 686 83	10.76	−32.36	−8.81	0.71	0.83	0.90	0.83	1.00	+14	+13	+ 6	−23	+ 4	−15	+ 6	−14	+12	+22	2	−1.16
81251	16 35 43.26	+22 45 48.9	10.58	H	248.930 264 61	+22.763 593 80	12.77	−167.85	−170.90	1.23	1.39	1.90	1.15	1.35	− 3	− 8	−24	−44	+16	−15	+12	−35	+ 0	+17	1	0.12
81252	16 35 44.77	−65 29 43.2	5.50	H	248.936 545 72	−65.495 329 08	9.94	33.92	−28.75	0.44	0.46	0.66	0.47	0.52	− 5	−25	−11	+12	−17	+ 0	−16	+28	+ 5	−19	0	0.28
81253	16 35 44.80	+27 52 23.4	8.46	H	248.936 670 27	+27.873 173 92	7.55	−15.29	24.43	0.61	0.69	1.02	0.71	0.82	+14	−20	−20	−21	+ 7	+ 6	+ 4	−11	+17	+23	1	−0.03
81254	16 35 45.80	−67 07 36.7	8.33	1 G	248.940 819 88	−67.126 852 09	1.47	−5.31	−3.20	0.61	0.73	1.11	0.72	0.88	+ 8	+ 3	+ 1	−27	+ 1	−11	+ 2	− 4	+ 5	+ 4	0	0.28
81255	16 35 48.16	−45 40 43.5	8.38	G	248.950 654 67	−45.678 751 32	0.02	0.47	−2.05	1.08	0.92	1.26	1.36	1.18	+ 1	−25	−13	+21	− 5	+16	+ 5	+10	−17	+16	3	1.18
81256	16 35 48.66	−42 07 22.5	9.44	2 H	248.952 756 63	−42.122 903 18	2.73	−2.47	1.08	1.33	1.30	1.61	1.57	1.31	−42	+ 0	−47	−33	+35	−37	+22	−32	+23	−61	0	0.97
81257	16 35 49.00	+40 47 20.1	9.39	H	248.954 158 36	+40.788 928 45	4.20	−13.55	−18.23	3.82	4.42	4.79	4.36	5.21	+ 7	− 4	−14	−26	− 2	−15	− 4	−31	− 1	+ 6	0	
81258	16 35 49.10	−45 39 07.8	11.30	G	248.954 590 65	−45.652 157 39	0.09	−1.29	0.57	2.89	2.27	3.28	3.55	2.97	+13	−33	−25	+16	− 7	+19	+ 3	+12	−11	+21	0	1.08
81259	16 35 49.38	−71 53 39.0	6.52	H	248.955 731 14	−71.894 168 37	6.78	−18.44	−35.26	0.35	0.51	0.65	0.38	0.56	+20	−14	+ 8	− 6	−14	−17	−13	− 8	+ 1	+22	0	0.03
81260	16 35 49.90	+39 32 35.5	9.05	H	248.957 909 20	+39.543 191 75	4.18	−33.90	−9.13	0.77	0.85	0.98	0.91	1.04	+ 9	+ 6	− 2	−25	+ 4	−26	+ 4	−19	+ 3	+ 7	0	0.82
81261	16 35 49.96	+40 53 19.1	7.95	H	248.958 151 09	+40.888 645 59	11.14	−24.85	−219.35	0.64	0.66	0.78	0.67	0.72	+19	− 8	−27	−23	− 5	+ 0	− 5	−22	+ 9	+12	0	0.54
81262	16 35 50.48	−53 45 23.3	8.78	G	248.960 334 68	−53.756 483 51	44.77	−119.30	−235.95	1.05	0.79	1.40	1.31	1.04	+33	− 9	−20	+45	+34	− 4	+35	+71	−36	+30	1	1.60
81263	16 35 51.82	+01 12 43.7	9.18	G	248.965 931 14	+01.212 134 77	3.79	−3.80	−5.71	1.66	1.04	1.53	2.69	1.77	+ 8	−31	−25	+51	+ 5	− 8	+10	+73	−34	+14	2	−1.49
81264	16 35 51.82	−56 07 38.1	8.09	H	248.965 931 42	−56.127 240 47	8.75	−76.36	−102.27	0.85	0.77	1.28	1.09	1.07	+ 7	−22	−32	+43	− 8	+ 1	+ 7	+75	−47	− 9	0	0.15
81265	16 35 52.38	−25 22 53.3	8.75	H	248.968 247 50	−25.381 483 41	4.11	−21.19	−28.35	1.21	0.81	1.32	1.59	1.05	−28	−11	− 6	+16	− 6	− 2	− 4	+48	−14	−30	0	0.75
81266	16 35 52.96	−28 12 57.5	2.82	G	248.970 664 23	−28.215 961 56	7.59	−8.59	−22.50	0.73	0.56	0.78	0.76	0.70	−48	−32	−11	+13	−39	− 7	−23	+60	−12	−69	0	0.13
81267	16 35 54.27	+29 44 43.5	8.58	H	248.976 142 18	+29.745 407 38	9.50	3.79	−20.81	0.64	0.75	1.07	0.76	0.90	+10	− 6	−12	+22	+ 8	+ 0	+ 9	+ 3	−16	+14	0	−0.92
81268	16 35 55.45	−53 59 01.9	8.30	H	248.981 021 31	−53.983 871 69	1.59	−6.13	−10.51	0.89	0.67	1.15	1.16	0.88	+35	−11	−15	+55	+33	+10	+37	+74	−32	+27	0	−0.43
81269	16 35 55.71	−37 21 46.6	8.51	H	248.982 131 94	−37.362 939 71	17.78	−95.74	−47.83	1.03	0.81	1.25	1.34	1.14	−13	−23	− 6	+ 3	+ 2	+15	+13	−11	−37	− 7	0	0.71
81270	16 35 55.87	+79 12 17.6	7.79	H	248.982 786 33	+79.204 890 91	8.85	41.35	−61.12	0.56	0.64	0.64	0.61	0.86	+ 3	−10	−16	−26	+ 8	−14	+11	−12	−11	−14	2	0.21
81271	16 35 56.31	+16 32 23.8	8.31	H	248.984 633 43	+16.539 934 31	2.11	−8.19	−4.93	0.75	0.64	1.15	1.11	0.96	+30	−25	− 6	+11	+20	−30	+19	+29	−36	+60	1	−0.40
81272	16 35 57.29	+37 58 02.1	9.05	2 T	248.988 701 58	+37.967 263 88	−0.15	−5.08	−4.69	0.68	0.80	0.91	0.93	0.97	+ 6	+ 3	−17	+ 6	+ 9	+ 0	+10	−12	+12	+19	0	−1.39
*81273	16 35 57.54	−67 27 08.0	8.76	H	248.989 758 12	−67.452 219 96	8.80	9.30	−33.67	0.75	0.77	1.27	0.90	0.94	+11	−17	−11	−30	− 2	− 5	+ 6	+ 8	− 9	− 9	0	−2.32
*81274	16 35 57.51	−00 24 41.9	8.21	G	248.989 628 10	−00.411 631 23	16.01	−30.40	48.58	1.15	0.72	1.09	1.30	1.11	+ 3	−32	+ 6	+53	+ 3	− 6	+12	+67	− 3	−11	0	0.68
81275 H	16 35 57.97	−53 07 58.0	8.43	H	248.991 547 28	−53.132 777 38 A	−0.84	−0.68	1.62	1.67	1.37	1.84	1.40	1.25	+15	−16	−21	+31	+19	− 7	+36	+60	−46	+ 7	1	−0.35
81276	16 35 58.71	+45 51 57.9	11.24	H	248.994 643 87	+45.866 086 50	2.22	−154.75	155.13	1.22	1.33	1.48	1.34	1.47	− 5	−11	+ 6	+ 1	+ 8	−19	+10	+ 1	− 7	− 3	0	−0.89
81277	16 36 02.38	−73 29 08.6	8.69	H	249.009 896 57	−73.485 718 49	6.20	13.92	−22.48	0.64	0.89	1.08	0.76	1.06	+18	− 7	+16	−22	−12	+ 3	−12	−15	− 8	+12	0	0.08
81278	16 36 02.45	−62 32 24.8	7.98	H	249.010 198 68	−62.540 235 25	6.04	−0.77	1.53	0.70	0.65	1.06	0.90	0.84	+ 8	−24	−17	− 4	− 5	+ 3	− 7	+26	+ 8	+ 7	0	1.87
81279	16 36 03.11	+01 22 53.8	7.25	G	249.012 971 03	+01.381 604 03	19.32	−145.40	−88.48	1.06	0.64	1.00	1.54	1.06	+22	−40	−14	+39	+19	−16	+21	+61	−17	+24	0	0.19
81280	16 36 05.04	−35 05 54.0	9.35	H	249.021 011 83	−35.098 342 14	3.14	−10.70	−8.11	1.35	1.01	1.49	1.57	1.26	−11	−17	−29	−25	+ 3	− 5	+ 9	− 4	− 7	−47	0	1.60
81281 H	16 36 05.19	−51 14 23.2	7.34	G	249.021 643 02	−51.239 789 92 A	0.39	−0.02	−3.16	1.09	0.94	1.29	1.36	1.16	+17	+13	−19	+19	−13	+13	− 6	+55	−34	− 7	2	−0.41
81282	16 36 05.83	+44 49 36.6	9.81	H	249.024 295 35	+44.826 834 36	7.00	−79.20	31.41	0.92	1.00	1.03	1.13	1.14	+24	+ 5	+16	+23	+26	− 2	+26	+40	− 5	+25	0	1.39
81283	16 36 06.95	+79 50 12.4	9.26	H	249.028 966 18	+79.836 775 22	1.66	−15.55	2.10	0.66	0.78	0.79	0.75	1.02	+ 1	−12	−17	−10	+12	−12	+13	− 5	− 7	−14	0	1.04
81284	16 36 07.18	+58 51 30.7	7.95	1 H	249.029 916 62	+58.858 521 55	3.75	−9.08	10.99	0.65	0.66	0.69	0.68	0.80	+18	−24	−26	+18	+ 6	+ 5	+10	−13	+ 2	+21	0	−0.50
81285	16 36 07.83	+17 28 18.3	7.85	G	249.032 608 38	+17.471 750 83	3.65	−4.79	3.30	0.72	0.60	1.01	1.20	0.90	+30	−15	− 9	+18	+29	−19	+22	+39	−21	+58	0	−1.12
81286	16 36 08.11	+14 26 22.4	9.50	H	249.033 772 82	+14.439 558 81	1.56	−35.06	−8.56	1.03	0.91	1.48	1.81	1.41	− 6	−18	− 6	+18	−17	−23	−17	+44	−24	+24	2	0.64
81287	16 36 09.48	−20 42 55.5	9.99	H	249.039 496 31	−20.715 429 70	6.94	6.94	−68.85	1.42	1.01	1.57	1.68	1.37	−31	−10	−10	+ 6	−10	+ 8	+ 0	+37	−22	−49	0	−0.01
81288	16 36 09.57	+57 19 24.4	8.99	G	249.039 870 97	+57.323 440 76	32.73	276.47	−214.44	0.92	0.85	0.83	1.18	1.07	+14	−26	+ 7	−42	+ 4	+19	+11	−30	−17	+ 3	1	2.84
81289	16 36 11.21	+46 36 48.0	5.83	G	249.046 716 28	+46.613 325 05	3.71	−11.23	3.31	0.46	0.43	0.51	0.50	0.49	+ 6	− 1	− 1	+ 2	+ 8	−14	+ 8	+ 9	− 6	+ 4	3	3.08
81290	16 36 11.43	+52 53 59.9	5.53	G	249.047 636 76	+52.899 978 58	8.16	−12.94	28.67	0.51	0.51	0.55	0.56	0.54	+13	+ 8	+ 7	−13	− 7	+11	− 8	−19	− 4	+ 7	0	−0.01
81291	16 36 11.67	+13 18 45.0	8.28	2 T	249.048 625 62	+13.312 486 99	−0.33	−37.18	4.47	0.75	0.69	1.01	0.95	0.98	−32	−23	+ 1	+39	−19	− 1	−20	+58	− 2	−24	0	0.41
81292 H	16 36 13.73	+52 55 27.7	5.07	H	249.057 216 68	+52.924 355 54 A	8.22	−12.28	27.38	0.67	0.68	0.60	0.60	0.60	+13	+ 6	+ 1	− 2	− 5	+20	− 6	−23	− 8	+ 9	1	0.75
*81293	16 36 14.54	+46 47 39.2	8.55	H	249.060 574 17	+46.794 219 17	2.25	−21.53	2.57	0.70	0.65	0.79	0.82	0.80	+ 0	+ 2	− 5	+ 1	+ 4	+ 5	+ 4	+26	+40	− 5	+25	1	1.59
*81294	16 36 14.43	−15 10 10.5	10.35	G	249.060 107 20	−15.169 571 70	25.54	−570.95	−174.66	2.17	1.22	2.27	2.76	1.80	−24	−29	−10	+19	+17	− 8	+23	+21	−12	−33	0	−0.76
81295	16 36 16.56	−21 06 07.0	9.83	G	249.068 991 54	−21.101 933 24	11.12	−25.97	−34.64	1.31	0.91	1.47	1.49	1.17	−12	−22	−26	+10	−15	− 8	− 8	+41	−12	−38	2	0.84
81296	16 36 17.35	+40 22 58.2	9.32	H	249.072 273 09	+40.382 834 44	2.82	−3.39	−9.80	0.77	0.95	1.00	0.91	1.14	+23	+17	− 5	−11	− 1	−15	+ 0	−17	+ 8	+21	1	0.66
81297	16 36 17.49	−23 59 08.3	9.82	H	249.072 863 39	−23.985 650 39	6.85	12.52	−72.64	3.41	2.40	3.94	3.96	3.11	−32	−21	−24	+ 3	−11	− 2	− 3	+36	−23	−47	0	
81298	16 36 18.94	+20 45 21.5	8.09	H	249.078 918 77	+20.755 972 98	5.46	−23.66	−8.32	0.71	0.66	0.95	0.84	0.80	+18	−19	− 7	+25	+17	− 9	+17	+28	− 9	+30	0	−2.90
81299	16 36 20.70	−77 44 40.0	8.85	H	249.086 262 08	−77.744 448 24	2.03	−73.70	−55.03	0.69	0.77	1.00	0.76	0.87	+ 6	−19	+10	− 8	−18	−12	−16	+14	+17	−10	0	0.76
81300

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data										Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
81201						1.367	0.024	G	1.60	0.04	I	11.1621	0.0038	0.043	142		11.08	11.23					1							G
81202	9.544	0.018	8.924	0.017		0.556	0.002	G	0.63	0.00	H	8.9807	0.0015	0.015	110		8.94	9.01			16352+3859	I 1	1							S
81203	10.022	0.041	9.795	0.051		0.386	0.015	G	0.45	0.02	H	9.7301	0.0047	0.019	46		9.70	9.76					1							G
81204	10.951	0.046	9.714	0.026		1.056	0.041	T	1.02	0.03	L	9.7985	0.0029	0.025	133		9.76	9.84					1							
81205	8.609	0.010	8.394	0.012		0.205	0.015	T	0.23	0.02	L	8.4307	0.0015	0.014	127		8.40	8.46					1							S
81206	10.290	0.041	9.476	0.031		0.770	0.020	G	0.81	0.02	H	9.4678	0.0021	0.023	109		9.42	9.51					1							
81207	11.399	0.059	9.506	0.019		1.606	0.051	T	1.91	0.12	O	9.4045	0.0022	0.024	132		9.37	9.44					1							
81208	6.560	0.004	6.618	0.007		−0.049	0.007	T	−0.03	0.01	L	6.6255	0.0010	0.008	68		6.61	6.64		C			1							S
81209	11.684	0.074	10.876	0.059		0.730	0.073	T	0.78	0.05	L	10.9472	0.0037	0.048	177		10.86	11.02					1	X						G
81210	9.380	0.017	8.654	0.015		0.666	0.018	T	0.73	0.01	L	8.7184	0.0014	0.015	111		8.69	8.74		C			1							S
81211	8.700	0.015	8.558	0.018	*	0.148	0.003	G	0.16	0.00	H	* 8.5659	0.0028	0.021	79	*	8.53	8.60		D	16353−2629	I 1	2	C	A	AB	318	0.568	0.009	1.34	0.03	
81212	8.737	0.013	8.275	0.013		0.435	0.015	G	0.50	0.02	H	8.3275	0.0013	0.011	96		8.30	8.34		C			1							S
81213	8.724	0.011	8.447	0.012		0.264	0.015	T	0.30	0.02	L	8.4926	0.0015	0.014	110		8.47	8.52		C			1							
81214	8.529	0.019	8.364	0.023		0.151	0.028	T	0.17	0.03	L	8.3993	0.0018	0.013	45		8.37	8.42		C			1							
81215	10.022	0.025	9.151	0.020		0.763	0.025	T	0.80	0.02	L	9.2415	0.0017	0.018	125		9.21	9.28					1							
81216	7.093	0.003	7.201	0.005		−0.067	0.003	G	−0.04	0.00	H	7.1890	0.0010	0.011	227		7.17	7.21					1							S
81217	8.661	0.014	8.115	0.013		0.512	0.017	T	0.58	0.02	L	8.1713	0.0010	0.011	71		8.15	8.19					1							
81218	9.841	0.018	9.055	0.015		0.714	0.018	T	0.77	0.01	L	9.1248	0.0015	0.015	142		9.08	9.15		C			1							
81219	7.651	0.008	6.957	0.006		0.639	0.015	G	0.70	0.01	H	7.0190	0.0009	0.008	96		7.01	7.04		C			1							S
81220	9.223	0.017	8.732	0.017		0.474	0.018	T	0.55	0.02	L	8.8173	0.0013	0.013	81		8.79	8.84					1							
81221	10.631	0.060	9.140	0.031		1.255	0.053	T	1.21	0.06	L	9.1243	0.0029	0.018	50		9.08	9.16					1							
81222	10.020	0.024	8.786	0.014		1.054	0.022	T	1.02	0.02	L	8.8089	0.0023	0.023	135		8.78	8.85		R			1							
81223	9.787	0.018	9.156	0.016		0.605	0.015	G	0.67	0.01	H	9.2274	0.0023	0.020	142		9.18	9.26					1							
81224	9.670	0.020	9.152	0.019		0.486	0.025	T	0.56	0.03	L	9.2052	0.0025	0.019	98		9.18	9.24					1							
81225	9.101	0.015	8.587	0.014	A	0.700	0.495	G	0.47	0.04	L *	8.5453	0.0018	0.012	96	*	8.53	8.57		D	16354+3655	I 1	2	C	D	AB	148	3.316	0.010	2.38	0.05	S D
81226	9.454	0.018	8.220	0.011		1.054	0.016	T	1.02	0.01	L	8.2377	0.0013	0.010	102		8.22	8.25		C			1							
81227	9.282	0.020	9.005	0.026	*	0.264	0.031	T	0.30	0.04	L *	9.1004	0.0018	0.023	139	*	9.06	9.13		D	16354−5805	I 1	2	C	A	AB	65	4.531	0.006	1.28	0.02	
81228	10.065	0.024	9.000	0.016		0.923	0.022	T	0.92	0.02	L	9.0399	0.0017	0.018	97		9.01	9.07					1							
81229	9.373	0.029	8.646	0.025		0.653	0.029	T	0.72	0.03	L	8.6989	0.0027	0.013	44		8.68	8.72		C			1							
81230	7.360	0.005	7.270	0.006		0.088	0.007	T	0.10	0.01	L	7.3105	0.0010	0.012	139		7.29	7.33			16354+1704	I 2	1							S
81231	6.486	0.003	6.417	0.004		0.062	0.004	T	0.07	0.00	L	6.4427	0.0009	0.010	137		6.43	6.47		C	16354+1704	I 2	1							S
81232	9.941	0.023	8.687	0.013		1.069	0.021	T	1.03	0.02	L	8.7277	0.0020	0.015	125		8.70	8.76					1							
81233	9.106	0.024	8.577	0.023		0.505	0.025	T	0.58	0.03	L	8.6847	0.0016	0.016	82		8.65	8.71		C			1							
81234	10.372	0.029	9.141	0.017		1.051	0.026	T	1.02	0.02	L	9.2093	0.0020	0.021	130		9.17	9.24					1							
81235	9.421	0.021	8.889	0.020		0.507	0.022	T	0.58	0.02	L	8.9481	0.0015	0.011	72		8.93	8.97					1							
81236	9.381	0.015	9.213	0.018		0.164	0.010	G	0.18	0.01	H	9.2571	0.0022	0.017	112		9.23	9.29		C			1							
81237	9.742	0.022	8.818	0.016		0.749	0.015	G	0.79	0.01	H	8.8900	0.0018	0.015	78		8.86	8.91		C			1							
81238											T	11.9161	0.0785	0.452	85		11.14	12.30	0.44	P 1 A			1	G						G
81239	11.091	0.051	9.837	0.028		1.069	0.045	T	1.03	0.04	L	9.9146	0.0036	0.029	120		9.87	9.96					1							
81240	9.661	0.018	8.978	0.016		0.631	0.020	T	0.70	0.02	L	8.9911	0.0014	0.019	214		8.96	9.02					1							
81241	10.338	0.030	9.048	0.017		1.097	0.027	T	1.06	0.03	L	9.0786	0.0020	0.018	127		9.04	9.12		C			1							
81242	9.868	0.027	9.205	0.023	*	0.615	0.029	T	0.68	0.03	L *	9.3923	0.0021	0.018	112	*	9.36	9.43		D	16356+4741	I 1	2	C	A	AB	179	5.002	0.007	0.84	0.03	
81243	10.904	0.036	8.909	0.012		1.653	0.030	T	1.68	0.03	L	8.7445	0.0047	0.053	183		8.66	8.81	18.93	P 1 A			1		S					
81244	12.275	0.196	10.355	0.059		1.561	0.082	G	1.69	0.17	K	10.1122	0.0050	0.052	87		10.04	10.19		U 2			1							
81245	10.807	0.039	8.959	0.014		1.537	0.033	T	1.59	0.07	L	8.8000	0.0042	0.038	150		8.74	8.86		U 2			1							
81246	8.786	0.010	8.353	0.010		0.384	0.015	G	0.45	0.02	H	8.4148	0.0018	0.019	183		8.38	8.46					1							S
81247	9.419	0.013	9.120	0.015		0.284	0.019	T	0.32	0.02	L	9.1719	0.0022	0.024	170		9.13	9.21		C			1							
81248	7.682	0.007	7.464	0.008		0.208	0.010	T	0.23	0.01	L	7.5002	0.0014	0.012	96		7.49	7.52					1							S
81249	9.933	0.022	8.833	0.015		0.950	0.020	T	0.94	0.01	L	8.8765	0.0020	0.020	136		8.84	8.91					1							
81250	9.199	0.013	8.635	0.013		0.528	0.016	T	0.60	0.02	L	8.7083	0.0018	0.016	112		8.68	8.73		C			1							S
81251	11.299	0.055	10.581	0.045		0.660	0.057	T	0.72	0.05	L	10.7187	0.0036	0.043	175		10.63	10.78					1		S					G
81252	6.706	0.004	5.607	0.002		0.949	0.003	T	0.94	0.00	L	5.6650	0.0006	0.005	140		5.66	5.67		C			1							S
81253	8.973	0.011	8.511	0.011		0.435	0.014	T	0.50	0.01	L	8.5606	0.0016	0.018	163		8.53	8.60		C			1							S
81254	9.467	0.014	8.385	0.010		0.945	0.032	G	0.94	0.02	H	8.4985	0.0022	0.026	180		8.45	8.53		U			1							
81255	8.414	0.014	8.408	0.018		0.038	0.001	G	0.05	0.00	H	8.4086	0.0028	0.016	64		8.38	8.44					1							
81256	9.939	0.039	9.444	0.037		0.499	0.012	G	0.57	0.01	H	9.5468	0.0225	0.115	51		9.37	9.64		U 2			1							
81257	11.184	0.059	9.497	0.023		1.409	0.050	T	1.39	0.06	L	9.5319	0.0030	0.025	108		9.48	9.56					1	X						
81258						0.130	0.015	G	0.14	0.01	H	11.3088	0.0082	0.047	60		11.21	11.39					1		S					D
81259	6.546	0.003	6.520	0.004		0.024	0.004	T	0.04	0.00	L	6.5337	0.0006	0.007	180		6.52	6.55					1							S
81260	10.828	0.046	9.222	0.020		1.340	0.015	G	1.34	0.09	H	9.1969	0.0018	0.019	111		9.16	9.23					1							
81261	9.201	0.014	8.058	0.010		0.983	0.013	T	0.96	0.01	L	8.1181	0.0014	0.013	112		8.09	8.13					1							
81262	10.260	0.025	8.923	0.014		1.096	0.002	G	1.17	0.00	I	8.8937	0.0019	0.019	195		8.86	8.93					1		S					
81263	9.226	0.019	9.220	0.026		0.050	0.015	G	0.06	0.01	H	9.2167	0.0016	0.020	81		9.18	9.25		D			1							
81264	8.853	0.010	8.157	0.008		0.630	0.010	T	0.70	0.01	L	8.2258	0.0015	0.016	141		8.20	8.25					1							
81265	10.509	0.039	8.930	0.018		1.324	0.034	T	1.29	0.04	L	8.9044	0.0019	0.017	79		8.86	8.93					1							
81266	2.556	0.002	2.793	0.002		−0.206	0.003	T	−0.24	0.02	A	2.7374	0.0004	0.003	79		2.73	2.75					1							S
81267	9.156	0.012	8.635	0.012		0.485	0.015	G	0.56	0.02	H	8.6882	0.0018	0.019	143		8.65	8.72					1							S
81268	8.445	0.006	8.311	0.008		0.129	0.009	T	0.14	0.01	L	8.3485	0.0012	0.014	196		8.32	8.38		C			1							
81269	9.385	0.028	8.591	0.023		0.704	0.028	T	0.76	0.02	L	8.6447	0.0019	0.014	49		8.63	8.67		C			1							
81270	8.301	0.010	7.836	0.009		0.438	0.012	T	0.51	0.01	L	7.8850	0.0009	0.010	102		7.87	7.90		C			1							S
81271	9.636	0.016	8.402	0.010		1.054	0.015	T	1.02	0.01	L	8.4746	0.0018	0.017	130		8.45	8.51					1							
81272	9.680	0.019	9.109	0.018		0.534	0.023	T	0.61	0.02	L	9.1687	0.0209	0.187	127		8.89	9.45		U 2			1							
81273	9.406	0.013	8.823	0.012		0.531	0.003	G	0.60	0.00	H	8.8743	0.0020	0.022	185		8.84	8.91					1							
81274	8.899	0.013	8.284	0.012		0.561	0.002	G	0.63	0.02	A	8.3317	0.0017	0.014	109		8.31	8.36		C			1							S
81275	10.165	0.018	8.611	0.009	*	1.304	0.016	T	1.26	0.02	L *	8.5837	0.0013	0.017	211	*	8.55	8.61		D	16360−5308	H 1	2	C	A	AB	327	0.411	0.014	2.60	0.07	
81276	11.759	0.114	11.263	0.115		0.360	0.020	G	0.42	0.02	H	11.3252	0.0046	0.037	107		11.27	11.38					1							G
81277	9.302	0.012	8.757	0.011		0.517	0.012	T	0.59	0.01	L	8.8048	0.0017	0.018	151		8.77	8.83					1							
81278	9.204	0.013	8.078	0.009		0.969	0.012	T	0.95	0.01	L	8.1474	0.0014	0.014	127		8.13	8.17		C			1							
81279	7.854	0.009	7.319	0.009		0.523	0.003	G	0.60	0.00	H	7.3677	0.0014	0.011	82		7.35	7.39					1							S
81280	10.800	0.121	9.474	0.064		1.121	0.111	T	1.08	0.12	L	9.4966	0.0044	0.025	54		9.46	9.53					1		S					
81281	7.351	0.007	7.384	0.008	A	0.010	0.036	G	0.01	0.01	L *	7.3651	0.0014	0.012	93	*	7.34	7.39		D	16361−5114	I 1	2	C	B	AB	299	2.838	0.033	3.49	0.12	S
81282	10.391	0.031	9.835	0.028		0.521	0.037	T	0.59	0.04	L	9.9199	0.0027	0.021	105		9.88	9.96		C			1							
81283	10.733	0.041	9.412	0.022		1.122	0.036	T	1.08	0.04	L	9.4295	0.0013	0.018	109		9.40	9.46		C			1							
81284	9.165	0.016	8.068	0.011		0.947	0.015	T	0.94	0.01	L	8.1139	0.0026	0.022	93		8.09	8.16	76.70	P 1 A			1							
81285	8.283	0.009	7.879	0.009		0.394	0.015	G	0.46	0.02	H	7.9346	0.0014	0.015	119		7.91	7.96		C			1							S
81286	10.969	0.044	9.573	0.021		1.180	0.038	T	1.14	0.03	L	9.6632	0.0023	0.022	118		9.63	9.71		C			1							
81287	10.824	0.049	10.044	0.039		0.693	0.048	T	0.75	0.04	L	10.1325	0.0026	0.024	84		10.10	10.18		R			1							G
81288	10.010	0.027	9.058	0.019		0.825	0.007	G	0.87	0.01	H	9.1273	0.0019	0.016	96		9.10	9.16		C			1	G						
81289	7.144	0.005	5.930	0.003		1.044	0.017	G	0.97	0.03	C	5.9939	0.0009	0.006	109		5.99	6.01		C			1							S
81290	5.464	0.003	5.509	0.003		−0.060	0.015	G	−0.01	0.01	L	5.5180	0.0005	0.006	97		5.51	5.53			16362+5255	I 2	1							S
81291	10.406	0.025	8.471	0.010		1.606	0.021	T	1.63	0.02	L	8.3452	0.0120	0.142	150		8.20	8.55		U 2			1		S					
81292	5.007	0.006	5.039	0.005	*	−0.027	0.007	T	−0.01	0.01	L *	5.0706	0.0006	0.006	103	*	5.06	5.08		D	16362+5255	I 2	2	C	A	AB	106	3.208	0.002	1.13	0.01	S
81293	10.305	0.027	8.708	0.013		1.338	0.024	T	1.30	0.03	L	8.7018	0.0024	0.018	109		8.67	8.75					1							
81294	11.591	0.094	10.516	0.059		0.949	0.011	G	1.00	0.01	I	10.4949	0.0038	0.027	73		10.44	10.54		C			1							G
81295	10.740	0.046	9.897	0.036		0.708	0.020	G	0.76	0.02	H	9.9834	0.0030	0.020	79		9.96	10.02					1							G
81296	10.717	0.041	9.426	0.022		1.098	0.036	T	1.06	0.04	L	9.4852	0.0020	0.020	111		9.45	9.52		C			1							
81297	10.643	0.041	9.835	0.032		0.714	0.040	T	0.77	0.03	L	9.9537	0.0022	0.018	83		9.92	9.99		C			1	X						G
81298	8.312	0.010	8.099	0.011		0.203	0.014	T	0.22	0.02	L	8.1579	0.0012	0.014	114		8.13	8.19					1							
81299	10.394	0.031	8.990	0.017		1.187	0.028	T	1.15	0.03	L	9.0206	0.0016	0.017	148		8.99	9.06		C			1							
81300	6.838	0.004	5.861	0.004		0.827	0.012	G	0.87	0.02	A	5.9124	0.0007	0.006	93		5.90	5.92			16363−0220	I 1	1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)																						Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	F1	F2
	h m s	±° ′ ″	mag		deg	deg	mas	mas/yr		mas		mas	mas/yr		α*	α*	δ	α*	δ	π	α*	δ	π	$\mu_{\alpha*}$	%	
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
81301	16 36 21.20	−38 49 49.8	9.21	H	249.088 331 97	−38.830 506 50	6.41	−12.54	−44.92	1.36	0.97	1.63	1.42	1.28	+ 0	−42	− 9	+ 8	+ 0	+ 6	+17	+ 3	−40	−10	0	−0.15
81302	16 36 21.69	−12 56 03.7	10.06	H	249.090 389 75	−12.934 373 87	5.21	27.65	−13.32	1.80	1.08	1.70	2.29	1.53	+ 8	−12	− 7	+39	+ 9	+ 5	+13	+56	− 9	+ 0	5	−0.13
81303	16 36 22.34	+33 49 18.4	6.95	H	249.093 095 20	+33.821 772 64	9.66	−67.79	3.04	0.46	0.52	0.66	0.48	0.61	− 3	−10	−16	+16	+ 7	−13	+ 4	+ 1	− 9	−16	0	−0.62
81304	16 36 22.46	−35 15 19.3	4.18	1 H	249.093 587 18	−35.255 355 53	9.63	14.72	12.14	0.69	0.50	0.79	0.61	0.53	−13	−41	−16	−17	− 9	+ 4	+ 5	+ 3	−23	−42	0	1.49
81305	16 36 22.57	−42 51 31.9	5.46	1 H	249.094 024 76	−42.858 854 01	1.07	−4.34	−3.04	0.74	0.73	0.89	0.99	0.81	−37	−10	−43	−22	+39	−23	+28	−29	+22	−52	0	1.00
81306	16 36 22.74	−14 38 29.1	8.02	H	249.094 744 10	−14.641 406 57	8.12	−9.42	−31.21	1.30	0.80	1.36	1.95	1.13	+ 6	−25	−22	+28	+33	−27	+26	+22	+ 7	+ 0	0	0.90
81307	16 36 23.26	+72 22 25.6	8.48	H	249.096 902 46	+72.373 772 33	2.91	1.60	−6.34	0.70	0.65	0.72	0.80	0.75	+10	− 9	− 5	+ 9	+ 0	+ 0	+ 3	− 4	−22	+16	0	−1.23
81308 H	16 36 23.52	−45 23 50.6	8.95	H	249.097 986 46	−45.397 393 39 A	0.21	−1.84	−11.20	1.81	1.58	1.77	2.13	1.92	−18	− 8	−10	+ 3	−14	− 4	−18	+ 5	− 7	+19	4	−1.11
*81309	16 36 24.67	−55 24 53.1	9.87	3 H	249.102 795 81	−55.414 750 00 *	−2.04	−1.48	−15.78	9.66	5.06	6.69	13.44	7.23	+81	+14	+ 4	+82	+70	+ 2	+64	+90	−20	+76	0	−1.77
*81310	16 36 24.49	−65 49 39.0	8.56	H	249.102 042 75	−65.827 512 78	3.13	−23.06	−46.11	0.76	0.74	1.12	0.78	0.82	+ 6	−21	+ 9	− 9	−12	−12	−10	+ 20	+ 6	− 2	0	1.36
81311	16 36 25.51	−43 44 40.9	8.01	H	249.106 286 25	−43.744 699 32	6.53	−14.82	−15.42	1.06	1.15	1.31	1.29	1.31	−28	−13	−45	−23	+41	−21	+32	−43	+ 9	−53	6	3.60
81312	16 36 26.00	+30 56 34.1	7.10	H	249.108 343 30	+30.942 813 87	25.37	−2.52	−465.27	0.47	0.55	0.72	0.53	0.69	+ 8	−13	− 1	+27	+ 8	−12	+ 9	+19	−10	+ 4	1	−0.59
81313	16 36 26.39	−54 13 03.3	8.06	H	249.109 943 50	−54.217 588 12	3.63	−26.29	−22.13	0.96	0.72	1.19	1.23	0.96	+44	−15	−21	+55	+37	+10	+43	+77	−32	+35	0	0.44
81314	16 36 27.54	−60 54 25.2	9.06	H	249.114 743 59	−60.907 011 03	5.32	−15.93	−17.74	0.82	0.77	1.29	0.97	0.93	+ 2	−12	−16	− 9	− 8	− 1	− 6	+30	−10	− 4	0	0.54
81315	16 36 27.99	−16 07 14.4	10.20	H	249.116 609 25	−16.120 666 23	5.48	3.69	4.60	1.64	1.08	1.81	2.16	1.54	−13	− 6	−21	+12	+14	− 4	+17	+19	+16	−37	0	2.42
81316	16 36 28.68	−40 18 10.7	7.11	H	249.119 508 64	−40.302 981 86	5.42	−10.79	−21.86	0.85	0.69	0.94	0.84	0.74	−32	−42	−17	+23	−31	+15	−18	+43	−19	−48	0	−1.63
81317	16 36 28.85	+28 30 36.3	11.02	H	249.120 218 50	+28.510 091 30	4.90	−6.86	−2.27	1.37	1.59	2.19	1.53	1.72	+24	−18	−23	− 4	+ 8	− 9	+ 6	− 2	+ 3	+22	1	1.64
81318	16 36 31.42	−08 51 14.4	6.88	H	249.130 899 55	−08.854 001 61	8.97	−46.04	−3.02	0.91	0.58	1.02	1.13	0.86	−11	−30	+12	+15	+11	−22	+14	+37	+16	−21	0	−0.90
81319	16 36 31.69	+36 02 24.0	7.06	2 H	249.132 045 60	+36.039 999 09	3.19	−13.10	−28.10	0.47	0.56	0.67	0.54	0.69	− 6	+ 4	−22	+ 1	+11	− 7	+ 8	− 4	− 5	−31	1	1.78
81320 H	16 36 32.05	−67 00 17.5	7.12	H	249.133 535 24	−67.004 852 40 *	6.92	−25.46	−23.59	0.44	0.50	0.78	0.54	0.62	+ 6	− 1	+ 7	−19	+ 3	+ 0	+ 4	+ 4	+ 8	+ 0	0	0.56
81321	16 36 32.42	−19 16 31.2	9.38	H	249.135 099 25	−19.275 338 80	2.08	−5.27	−2.55	1.27	0.73	1.36	1.28	0.88	+ 3	−31	+ 7	+14	+ 8	− 6	+17	+35	−21	+ 1	0	−0.82
81322	16 36 33.16	+20 25 45.9	9.29	1 H	249.138 185 42	+20.429 423 82	−0.05	−29.82	16.09	1.01	0.93	1.42	1.13	1.15	+24	−23	+ 0	+31	+15	+ 4	+20	+10	−19	+26	4	0.41
81323	16 36 34.01	−11 43 01.4	9.95	H	249.141 705 54	−11.717 062 44	4.73	−29.95	−22.22	1.85	1.42	1.88	2.30	2.05	−33	−29	− 6	+44	−42	−21	−38	+71	+12	−55	0	0.47
81324	16 36 34.90	−31 29 24.8	8.78	H	249.145 421 92	−31.490 220 80	2.64	5.13	7.59	1.44	0.83	1.62	1.75	1.18	−13	−30	−23	+33	− 3	+ 2	+ 7	+71	−47	− 8	0	1.19
81325	16 36 35.03	−20 08 59.7	9.81	H	249.145 978 30	−20.149 926 54	5.88	5.54	−10.62	1.42	0.90	1.59	1.64	1.15	−21	−17	−10	+16	+ 3	+12	+10	+36	−25	−29	0	1.20
81326	16 36 35.94	−44 59 38.0	8.32	H	249.149 733 79	−44.993 897 87	1.43	1.82	−3.52	0.98	0.92	1.17	1.28	1.19	−16	−10	−11	+12	−10	+18	− 6	+10	−11	+ 2	0	−0.63
81327	16 36 37.00	−30 35 01.3	9.03	H	249.154 157 09	−30.583 683 36	2.33	−7.53	−11.05	1.18	0.75	1.37	1.46	1.02	−34	− 1	−12	− 2	− 8	−11	−10	+55	−32	−26	0	1.19
81328	16 36 38.16	+41 23 18.3	8.77	H	249.158 985 83	+41.388 415 63	3.22	−6.12	−10.29	0.70	0.75	0.90	0.78	0.88	+ 7	+ 7	− 7	−18	−17	− 8	+ 1	− 8	− 1	−29	−12	2	0.86
81329	16 36 38.57	−62 38 52.6	8.49	G	249.160 698 78	−62.647 944 77	6.13	19.71	−1.28	0.74	0.75	1.14	0.98	0.92	+ 1	− 3	− 8	+ 7	+ 2	− 7	− 1	+26	+10	+11	2	−0.24
81330	16 36 38.64	−14 14 05.8	9.00	H	249.161 018 18	−14.234 942 33	14.04	−69.76	−12.55	1.40	0.81	1.63	2.61	1.24	−19	+ 2	−33	−24	+23	−37	+ 6	+24	−24	+ 2	0	1.50
81331	16 36 38.77	+02 01 59.5	8.45	H	249.161 544 32	+02.033 196 91	3.50	−17.18	−19.22	1.17	0.67	1.18	1.28	0.85	+14	−30	−18	+50	+ 6	+ 0	+10	+61	−15	+12	0	0.04
81332 H	16 36 39.05	+69 47 34.7	8.00	H	249.162 716 07	+69.792 984 14 A	8.27	−28.66	34.24	2.65	1.77	0.82	0.83	0.84	− 9	−10	−20	− 6	− 1	− 1	− 2	+ 7	−16	+ 8	1	−2.08
81333	16 36 39.79	−77 20 43.2	7.31	H	249.165 774 62	−77.345 332 49	5.35	−18.79	−64.69	0.43	0.55	0.65	0.48	0.61	− 5	−16	− 2	+ 1	−18	−15	−18	+17	+ 8	−15	0	0.72
81334	16 36 40.99	−32 06 33.2	8.80	1 G	249.170 806 76	−32.109 211 89	1.42	−3.05	−9.14	1.27	0.76	1.43	1.45	0.98	−29	−21	+11	+ 7	− 3	− 7	+ 1	+54	−21	−22	0	0.98
81335	16 36 41.47	−35 54 59.0	6.89	H	249.172 808 16	−35.916 377 14	18.17	40.07	4.40	0.84	0.79	0.92	0.95	0.91	−39	−18	−23	−38	+39	−19	+33	−53	− 1	−59	0	2.94
81336	16 36 41.88	−62 37 56.1	8.70	G	249.174 495 54	−62.632 251 71	5.46	−2.66	−4.34	0.80	0.78	1.29	1.03	0.99	+ 8	−22	−10	+ 6	− 1	− 1	− 6	+28	+17	+10	0	0.10
81337	16 36 42.95	+15 29 51.1	6.36	H	249.178 954 87	+15.497 528 81	7.47	−14.74	−30.35	0.57	0.49	0.79	0.71	0.68	− 7	−28	− 8	+31	− 7	−13	− 6	+47	−23	+15	0	0.90
81338	16 36 44.47	−66 59 03.7	7.42	H	249.185 272 68	−66.984 367 13	1.04	−7.24	−15.58	0.56	0.62	0.99	0.69	0.74	+ 8	− 1	+17	−32	− 4	− 7	+ 0	+ 4	+ 1	+ 0	0	−0.95
81339	16 36 45.22	−13 43 15.3	7.70	H	249.188 426 27	−13.720 905 28	13.15	−60.33	−10.60	0.88	0.59	0.94	1.26	0.86	−19	− 7	−20	+ 2	− 6	+ 0	− 6	+32	−20	−15	0	0.04
81340	16 36 45.42	+52 15 22.5	7.74	H	249.189 235 29	+52.256 249 75	3.38	−14.46	38.96	0.62	0.51	0.61	0.69	0.59	+ 9	− 7	+ 2	−22	−12	+ 1	−10	− 9	− 5	− 7	0	−0.16
81341	16 36 45.59	+10 43 13.4	7.82	G	249.189 950 18	+10.720 387 54	6.19	−15.87	−13.62	0.79	0.66	0.98	0.99	0.91	−26	+ 0	+ 7	+58	−18	+25	−23	+66	− 7	−14	1	1.67
81342	16 36 45.64	+53 29 47.7	9.24	H	249.190 165 26	+53.496 596 81	2.18	−16.56	18.50	0.80	0.78	0.83	0.91	0.86	+19	+ 7	+ 9	−22	− 1	+ 9	− 2	−17	+ 0	+18	0	0.34
81343	16 36 45.74	−32 27 21.5	9.26	H	249.190 595 01	−32.455 962 94	5.74	−79.45	−40.02	1.24	0.83	1.37	1.39	1.09	−41	−22	−11	− 5	−12	+ 2	− 3	+53	−29	−45	0	−0.06
81344	16 36 47.07	−49 06 30.7	8.91	H	249.196 132 13	−49.108 517 99	6.11	2.53	2.32	1.29	1.29	1.64	1.71	1.28	−33	+ 1	−47	−14	+34	−25	+22	−14	+20	−37	0	0.61
81345	16 36 47.73	−64 48 27.1	7.95	H	249.198 889 39	−64.807 541 61	7.69	3.72	11.12	0.77	0.77	1.13	1.43	1.15	−43	−31	+ 6	−36	+ 3	+43	−20	+ 6	+30	+36	0	0.88
81346 H	16 36 47.79	−05 09 37.1	9.80	H	249.199 124 52	−05.160 318 74 A	2.57	−3.08	5.90	3.44	2.63	3.08	4.00	3.57	−37	− 9	−35	+51	−39	+18	−28	+73	−39	−50	1	0.14
81347	16 36 48.57	−06 17 39.5	7.85	H	249.202 374 54	−06.294 298 47	17.93	−21.62	−1.79	1.06	0.83	1.12	1.47	1.50	−44	−15	−23	+26	−53	+16	−29	+74	−29	−72	0	0.20
81348	16 36 48.84	+31 05 52.4	9.49	G	249.203 494 14	+31.097 892 29	39.04	340.36	−447.79	0.86	0.98	1.29	1.06	1.14	+17	−18	−22	+29	+ 7	+ 5	+12	+12	−20	+13	0	1.70
81349 H	16 36 48.95	+26 31 56.5	7.92	H	249.203 973 31	+26.532 356 49 A	12.54	2.26	−72.86	0.78	0.98	1.25	0.88	1.07	+ 5	−19	− 9	+ 8	+ 0	−10	+ 2	− 6	+ 1	− 7	2	−1.01
81350	16 36 50.02	+09 08 00.2	8.81	H	249.208 409 83	+09.133 386 47	9.61	11.26	−1.08	0.81	0.71	1.14	1.03	0.95	−38	−12	− 3	+24	−29	− 3	−29	+39	−18	−24	0	0.73
81351	16 36 50.77	+04 21 45.4	8.47	H	249.211 555 55	+04.362 598 16	5.18	−24.21	2.81	2.01	1.05	2.29	1.96	1.33	+12	−54	−13	+13	− 5	+ 7	− 7	+46	− 3	+19	0	
*81352	16 36 51.72	−55 55 58.6	8.60	H	249.215 480 86	−55.932 935 56	−0.31	−9.90	−6.68	0.90	0.68	1.27	1.14	0.89	+ 7	−24	−13	+34	+ 3	−10	+ 9	+61	−25	+ 3	0	−0.91
*81353	16 36 51.61	−65 35 12.7	7.68	H	249.215 051 99	−65.586 869 75	21.17	−146.46	60.41	0.56	0.60	0.84	0.59	0.66	− 1	−21	− 1	+13	−12	−10	−12	+29	+ 7	−13	0	−0.16
*81354	16 36 51.65	+07 06 25.9	7.29	H	249.215 193 25	+07.107 195 97	5.16	−15.49	−0.99	0.82	0.55	0.90	0.84	0.65	+18	−40	−23	+49	+ 7	−12	+13	+51	−23	+12	0	1.15
81355 H	16 36 51.80	−07 45 43.9	9.70	H	249.215 817 87	−07.762 196 09 A	5.59	9.08	−11.25	3.86	1.97	3.59	4.07	2.81	−24	−35	− 2	+11	− 1	−22	+ 2	+55	−19	− 5	0	1.24
81356	16 36 53.29	+47 38 37.1	9.90	H	249.222 054 55	+47.643 627 85	3.08	0.78	−5.44	0.91	0.85	0.97	0.99	0.95	+ 3	− 1	− 9	−22	+17	−12	+15	+ 7	− 1	+ 7	1	−1.10
81357	16 36 53.87	+22 52 05.7	6.87	H	249.224 468 35	+22.868 251 65	10.99	106.47	−137.16	0.54	0.56	0.84	0.49	0.55	+ 5	−11	−28	−47	+11	− 7	+ 7	−27	+ 0	+26	0	1.20
81358	16 36 54.99	+63 04 22.9	6.17	1 H	249.229 114 07	+63.073 038 11	6.70	4.25	−88.13	5.78	5.75	6.05	4.60	5.90	+ 4	−18	−11	−53	−14	+ 4	−15	−31	+10	−24	0	
81360	16 36 56.07	−08 53 11.9	8.18	H	249.233 609 91	−08.886 633 13	1.36	−0.01	−13.02	1.08	0.76	1.14	1.44	1.18	−23	−19	+ 7	+24	−13	−15	− 6	+58	+ 7	−33	0	0.54
81361	16 36 57.22	−54 59 06.7	7.20	H	249.238 436 88	−54.985 194 81	0.38	−4.35	−5.46	0.78	0.55	1.02	1.00	0.73	+27	−11	− 5	+52	+24	+ 4	+27	+67	−25	+21	0	−1.12
81362	16 36 58.21	+14 28 30.9	7.04	H	249.242 528 32	+14.475 244 88	−0.29	−4.20	3.38	0.59	0.53	0.84	0.97	0.84	−25	− 4	−16	+27	−15	−14	−24	+55	−34	+20	0	−0.11
*81363 H	16 36 59.33	+69 49 17.6	7.94	G	249.247 198 96	+69.821 553 62 D	7.32	−31.35	40.00	0.81	0.81	0.75	0.74	0.85	+ 7	−16	−19	− 7	+ 1	− 1	+ 1	+ 5	−10	+17	1	−0.73
*81364	16 36 59.18	+58 57 26.6	8.49	H	249.246 588 29	+58.957 385 94	2.29	−8.43	−8.59	0.70	0.77	0.78	0.77	0.91	+17	−22	−23	+14	+ 4	+11	+10	−14	+ 2	+22	2	2.21
81365 H	16 37 00.15	−02 39 45.7	8.75	2 G	249.250 612 36	−02.662 695 47 *	4.23	−28.93	−27.66	1.23	0.71	1.24	1.31	1.10	+ 0	−43	−12	+34	− 1	+ 4	+16	+60	−20	−18	0	2.67
81366	16 37 00.27	−17 09 36.0	8.48	H	249.251 108 41	−17.160 013 70	11.60	−43.14	−30.30	1.34	0.78	1.39	1.71	1.09	− 4	−16	−12	+46	+14	+ 7	+19	+53	−36	+ 9	0	0.37
81367	16 37 01.07	−84 56 48.5	8.26	H	249.254 477 21	−84.946 814 20	4.70	−30.53	−10.23	0.57	0.68	0.76	0.58	0.75	− 9	−14	+16	+ 9	+ 0	− 5	+ 4	−14	−20	− 2	0	0.90
81368	16 37 02.65	−38 40 34.2	7.36	H	249.261 060 41	−38.676 168 25	4.63	−12.91	−17.65	0.89	0.64	1.20	0.77	0.78	+ 5	−51	−29	−10	−25	+23	+12	+18	−53	−36	0	−0.05
81369	16 37 04.11	−62 14 24.8	8.68	G	249.267 122 55	−62.240 225 91	10.24	−44.65	−27.34	0.85	0.79	1.21	1.14	1.04	+ 8	−23	−11	− 1	− 7	− 7	− 8	+34	+ 2	+ 7	0	1.33
81370	16 37 05.30	+26 45 14.7	8.02	H	249.272 096 01	+26.754 091 29	14.74	−48.38	40.22	0.52	0.70	0.98	0.62	0.80	+15	−14	−18	−13	− 3	− 8	− 4	−12	+ 0	+ 5	0	−0.65
81371	16 37 05.46	−56 33 21.0	9.24	G	249.272 748 60	−56.555 844 69	20.78	−109.78	−184.58	1.14	1.03	1.75	1.37	1.44	+22	−40	−37	+37	+ 3	− 2	+26	+74	−57	− 9	0	1.31
81372	16 37 07.15	+02 03 32.2	8.24	H	249.279 774 84	+02.058 934 45	1.89	−9.11	−13.05	1.03	0.66	1.07	1.20	0.86	+ 6	−37	−11	+33	− 5	− 5	− 8	+66	−10	+16	4	0.26
81373	16 37 07.62	−15 36 39.5	10.34	H	249.281 762 24	−15.610 981 41	5.53	−6.40	−7.93	1.97	1.34	2.16	2.58	1.92	−25	−17	−22	+31	− 9	− 5	− 5	+38	+ 8	−56	0	0.85
81374	16 37 08.13	−32 08 45.1	9.40	2 H	249.283 887 07	−32.145 863 89	6.09	−27.24	−20.75	1.42	0.89	1.55	1.58	1.20	−24	−25	−11	− 2	−24	+ 1	− 4	+61	−27	−43	0	3.17
81375	16 37 08.37	+00 15 15.0	7.09	H	249.284 892 17	+00.254 156 27	49.63	91.76	76.37	0.89	0.62	0.92	1.13	0.93	− 6	−27	− 3	+40	− 5	− 1	+ 2	+54	− 7	−21	0	−0.91
81376	16 37 08.51	−52 22 53.9	6.84	2 H	249.285 459 36	−52.381 631 43	4.93	−6.89	−26.35	0.64	0.53	0.94	0.82	0.71	−24	−10	−11	+23	−14	−16	− 2	+62	−25	−41	1	−0.41
81377	16 37 09.53	−10 34 01.7	2.54	1 H	249.289 708 47	−10.567 151 80	7.12	13.07	25.44	0.68	0.52	0.71	0.85	0.72	−25	−27	−10	+35	−20	− 7	−18	+52	+ 7	−41	0	0.17
81378	16 37 10.04	+31 12 59.5	9.60	H	249.291 834 02	+31.216 527 23	25.32	−197.43	−55.60	2.27	2.70	3.50	2.57	3.28	+10	− 9	−19	+ 1	+ 3	+ 2	+ 6	+11	−20	− 3	0	
81379	16 37 12.69	+37 55 31.8	8.83	H	249.302 859 65	+37.925 506 12	5.24	1.24	−18.17	0.71	0.79	0.91	0.82	0.98	+ 9	−15	−11	+ 7	+11	− 3	+12	+ 2	− 4	+ 7	1	−0.20
81380	16 37 12.88	−39 00 37.9	9.82	H	249.303 655 18	−39.010 518 83	7.27	−14.40	−21.46	1.69	1.25	1.91	2.10	1.59	− 4	−25	− 8	+ 6	+20	+14	+26	− 3	−22	− 1	0	−0.20
81381	16 37 13.93	−00 02 41.8	9.05	H	249.308 049 98	−00.044 931 75	2.47	4.13	−17.70	2.00	1.11	1.51	2.36	1.63	+19	−26	+ 5	+73	+22	− 2	+26	+72	− 2	+12	0	−0.22
81382	16 37 14.74	−46 51 13.7	10.48	H	249.311 405 76	−46.853 809 35	1.81	−9.24	−5.00	2.50	1.74	2.60	3.05	2.14	+25	−27	−21	+11	+24	− 2	+26	+13	+30	0	0.16
81383	16 37 15.36	−11 20 28.4	8.27	2 H	249.314 013 32	−11.341 214 85	2.56	10.65	−8.22	1.22	0.95	1.17	1.49	1.38	−51	−40	+ 1	+48	−53	−13	−46	+73	+ 7	−68	0	−1.26
81384	16 37 15.99	+15 42 39.3	7.75	H	249.316 609 67	+15.710 917 22	1.07	−65.36	−18.62	0.66	0.57	1.01	0.87	0.80	+23	−31	−13	+20	+21	−12	+22	+33	−21	+46	0	0.99
81385	16 37 16.20	−33 08 51.0	9.18	H	249.317 513 50	−33.147 501 42	37.92	133.47	−32.01	1.19	0.95	1.33	1.27	1.13	−26	−31	−19	+ 8	−21	+10	− 9	+37	−13	−53	0	0.46
81386 H	16 37 16.36	+05 57 45.5	10.27	H	249.318 187 04	+05.962 635 50 A	7.86	−14.61	0.92	11.59	8.80	7.16	9.36	5.39	−60	− 4	− 4	+ 8	− 2	+ 3	− 4	+10	−21	+11	4	−0.55
81387	16 37 16.51	+08 30 23.4	10.00	G	249.318 805 29	+08.506 498 17	17.42	90.09	−210.21	1.44	1.06	1.61	1.70	1.57	−32	−32	+ 9	+47	−34	+ 3	−36	+64	+ 6	−36	0	−0.16
81388	16 37 17.01	+43 53 24.5	9.29	H	249.320 890 10	+43.890 128 22	3.10	1.58	−1.25	0.76	0.77	0.89	0.86	0.89	+ 7	−10	+ 5	− 4	+ 6	+10	+ 6	+12	− 8	+ 7	0	1.80
81389	16 37 17.24	+51 20 17.8	8.43	G	249.321 812 58	+51.338 280 95	3.57	−28.07	−2.46	0.56	0.57	0.65	0.61	0.58	− 1	− 7	− 7	+ 5	+ 5	− 8	+ 4	+ 7	+ 5	− 5	0	0.77
81390	16 37 17.53	−83 32 50.0	8.31	H	249.323 050 97	−83.547 232 86	21.41	78.59	68.00	0.76	0.80	0.82	1.03	1.11	+18	− 4	+22	−41	−40	−21	−40	−40	−11	+38	0	0.21
81391 H	16 37 21.17	+07 13 55.6	8.70	H	249.338 213 15	+07.232 103 81 *	2.01	−8.07	−13.57	4.00	2.82	2.04	2.04	1.67	+28	−42	−18	+54	+15	−19	+15	+67	−11	+19	1	−0.07
81392	16 37 21.68	−30 06 51.9	9.58	H	249.340 326 94	−30.114 426 54	5.09	−9.38	−23.12	1.38	0.83	1.53	1.79	1.10	−37	− 2	− 9	−18	+ 6	−25	− 2	+51	−18	−22	0	−2.22
81393	16 37 23.06	−17 27 36.8	9.74	H	249.346 084 12	−17.460 228 02	10.90	68.69	−56.67	1.50	0.98	1.73	2.39	1.67	−31	− 4	−17	− 2	−18	+ 0	−12	+25	−41	−15	0	1.01
81394	16 37 24.05	−61 33 05.8	8.56	H	249.350 217 35	−61.551 605 08 A	7.19	11.79	−17.81	2.27	2.25	2.71	2.48	2.42	+ 7	−12	−18	+13	− 3	+ 1	− 1	+30	+ 0	+ 8	18	1.68
81395	16 37 24.11	−61 33 16.7	9.19	H	249.350 441 71	−61.554 628 06 B	12.17	0.32	−26.98	5.11	5.01	4.81	4.58	4.41	+ 6	−14	−21	+11	− 6	+ 5	− 4	+22	+ 4	+ 6	18	1.68
81396	16 37 25.10	+79 11 17.3	8.24	H	249.354 568 84	+79.188 136 99	3.38	11.09	−11.82	0.63	0.74	0.71	0.69	1.00	+ 6	−12	−16	−29	+ 4	−12	+ 4	−21	− 6	− 9	0	−0.58
81397	16 37 25.40	−59 15 46.3	8.84	H	249.355 818 21	−59.262 852 30	6.39	−3.20	−31.81	0.64	0.66	1.08	0.80	0.82	−18	−16	− 1	+27	−17	+17	−17	+56	− 6	−18	1	−1.29
81398	16 37 26.63	+37 29 25.4	7.65	H	249.360 969 56	+37.490 394 91	3.09	19.00	−19.26	0.62	0.67	0.80	0.63	0.72	+10	−17	−24	− 9	+11	−16	+ 6	−10	+ 8	+ 4	0	0.10
81399	16 37 29.51	−52 12 00.0	8.89	H	249.372 976 35	−52.200 008 36	1.63	−0.91	−3.89	0.92	0.78

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
81301	9.752	0.029	9.294	0.030		0.445	0.033	T	0.51	0.04	L	9.3106	0.0022	0.019	54		9.28	9.34		C			1							
81302	11.207	0.072	10.140	0.047		0.924	0.065	T	0.92	0.05	L	10.2263	0.0041	0.026	76		10.17	10.27					1							G
81303	8.355	0.009	7.075	0.006		1.089	0.008	T	1.05	0.01	L	7.1145	0.0009	0.011	147		7.10	7.14			16364+3349	I 1	1						S
81304	6.226	0.007	4.353	0.004		1.535	0.069	G	1.72	0.02	A	4.2829	0.0015	0.010	58		4.26	4.30		U 2			1							S
81305	5.880	0.005	5.523	0.005		0.338	0.007	T	0.39	0.01	L	5.5409	0.0022	0.011	57		5.53	5.56		U 2			1							S
81306	9.715	0.026	8.188	0.014		1.283	0.023	T	1.24	0.02	L	8.1788	0.0019	0.014	66		8.15	8.20					1							
81307	9.645	0.019	8.580	0.013		0.923	0.017	T	0.92	0.01	L	8.6395	0.0020	0.016	112		8.62	8.67					1							
81308	9.121	0.023	9.008	0.030	A	0.500	0.495	G	0.15	0.08	L *	8.9971	0.0029	0.017	59	*	8.97	9.04		D	16364−4524	I 1	2 C	A	AB	147	2.096	0.019	2.42	0.11	
81309						1.500	0.510	G	2.91	1.20	Q	9.8007	0.0570	1.158	147		9.45	12.15	175.40	P 1 A			1 V							D
81310	10.167	0.024	8.681	0.013		1.251	0.021	T	1.21	0.02	L	8.7256	0.0019	0.021	141		8.69	8.76					1							
81311	9.889	0.041	8.214	0.020		1.400	0.036	T	1.38	0.04	L	8.1557	0.0016	0.010	46		8.13	8.17		D	16364−4345	I 1	1 S							
81312	7.754	0.006	7.160	0.005		0.555	0.006	T	0.63	0.01	L	7.2195	0.0008	0.009	146		7.20	7.24		C			1							S
81313	9.319	0.011	8.175	0.007		0.983	0.010	T	0.96	0.01	L	8.2224	0.0012	0.014	185		8.19	8.24					1							
81314	10.575	0.035	9.151	0.018		1.202	0.031	T	1.16	0.03	L	9.2247	0.0020	0.019	129		9.20	9.26					1							
81315	11.036	0.057	10.320	0.048		0.645	0.056	T	0.71	0.05	L	10.3320	0.0038	0.029	77		10.27	10.37		C			1							G
81316	7.225	0.007	7.128	0.010		0.087	0.011	T	0.10	0.01	L	7.1444	0.0007	0.007	52		7.13	7.15		D			1							S
81317	11.672	0.082	11.018	0.078		0.607	0.096	T	0.68	0.09	L	11.1517	0.0049	0.050	148		11.06	11.23		C			1							G
81318	7.561	0.006	6.957	0.005		0.563	0.007	T	0.64	0.01	L	6.9977	0.0008	0.008	96		6.98	7.01		C			1							S
81319	9.060	0.011	7.259	0.006		1.555	0.029	G	2.21	0.05	F	7.1153	0.0028	0.027	137		7.08	7.17		U 2			1							S
81320	7.224	0.005	7.122	0.005	*	0.092	0.006	T	0.10	0.01	L *	7.1547	0.0009	0.011	174	*	7.14	7.18		C	16365−6700	H 1	2 C S D	AB	233	0.173	0.043	2.57	0.46	S D
81321	9.884	0.027	9.428	0.028		0.463	0.020	G	0.53	0.02	H	9.4796	0.0019	0.015	71		9.46	9.51					1							
81322	11.075	0.057	9.454	0.023		1.357	0.048	T	1.32	0.06	L	9.4375	0.0044	0.033	104		9.38	9.49		U			1							
81323	10.834	0.053	10.029	0.041		0.728	0.051	T	0.78	0.04	L	10.0991	0.0028	0.025	74		10.05	10.14		C			1							G
81324	10.059	0.026	8.908	0.017		0.989	0.024	T	0.97	0.02	L	8.9465	0.0017	0.014	100		8.93	8.98		C			1							
81325	10.645	0.044	9.875	0.034		0.639	0.020	G	0.70	0.02	H	9.9387	0.0033	0.021	79		9.90	9.97		C			1							G
81326	10.027	0.038	8.463	0.019		1.312	0.033	T	1.27	0.04	L	8.4728	0.0015	0.011	50		8.44	8.49					1							
81327	9.467	0.015	9.085	0.016		0.362	0.020	T	0.42	0.02	L	9.1177	0.0021	0.017	114		9.09	9.15		C			1							
81328	9.160	0.013	8.795	0.014		0.346	0.018	T	0.41	0.02	L	8.8558	0.0019	0.022	108		8.82	8.89					1							
81329	8.884	0.011	8.510	0.012		0.343	0.016	G	0.40	0.02	H	8.5999	0.0019	0.017	120		8.57	8.63		C			1							
81330	9.925	0.031	9.051	0.023		0.765	0.030	T	0.80	0.02	L	9.1433	0.0021	0.014	65		9.12	9.17		C			1							
81331	9.786	0.024	8.548	0.015		1.057	0.022	T	1.02	0.02	L	8.6163	0.0016	0.019	114		8.58	8.65					1							
81332	8.510	0.010	8.040	0.010	*	0.443	0.013	T	0.51	0.01	L *	8.1032	0.0012	0.009	103	*	8.09	8.13		D	16368+6948	I 2	2 C	A	AB	98	0.302	0.003	0.72	0.05	S
81333	7.766	0.007	7.343	0.006		0.382	0.004	G	0.45	0.00	H	7.3963	0.0012	0.010	156		7.38	7.42					1							S
81334	9.375	0.017	8.831	0.017		0.515	0.012	G	0.59	0.01	H	8.9007	0.0032	0.025	93		8.86	8.95	0.18	P 1 A			1							
81335	7.325	0.008	6.942	0.009		0.374	0.010	T	0.44	0.01	L	6.9802	0.0010	0.006	54		6.97	7.00		C			1							S
81336	10.795	0.043	8.847	0.014		1.550	0.015	G	1.62	0.02	H	8.8316	0.0018	0.019	123		8.81	8.86					1							
81337	6.289	0.003	6.354	0.004		−0.055	0.005	T	−0.03	0.01	L	6.3494	0.0013	0.008	107		6.34	6.36					1							S
81338	8.798	0.014	7.532	0.009		1.079	0.013	T	1.04	0.01	L	7.5846	0.0011	0.013	170		7.56	7.61					1							S
81339	8.285	0.011	7.758	0.010		0.523	0.015	G	0.60	0.02	H	7.8174	0.0010	0.008	74		7.80	7.83		C			1							S
81340	9.022	0.012	7.840	0.008		1.013	0.011	T	0.99	0.01	L	7.9033	0.0014	0.011	117		7.89	7.92					1							S
81341	8.274	0.010	7.845	0.008		0.405	0.006	G	0.47	0.01	H	7.9081	0.0014	0.014	130		7.89	7.94					1							S
81342	10.786	0.049	9.329	0.023		1.228	0.042	T	1.19	0.04	L	9.4006	0.0017	0.017	105		9.36	9.43					1							
81343	9.896	0.024	9.330	0.024		0.534	0.025	T	0.61	0.03	L	9.3797	0.0026	0.022	105		9.35	9.41					1							
81344	9.391	0.025	8.991	0.026		0.391	0.030	T	0.46	0.03	L	9.0032	0.0045	0.027	47		8.97	9.04					1							
81345	8.319	0.011	7.982	0.012		0.325	0.018	T	0.38	0.02	L	8.0297	0.0013	0.015	137		8.01	8.06		C			1 G							S
81346	11.124	0.067	9.944	0.039	A	0.711	0.155	G	0.77	0.13	R *	9.9477	0.0037	0.032	91	*	9.89	9.99		D	16368−0510	I 1	2 C	A	AB	239	1.516	0.030	2.31	0.14	
81347	8.799	0.014	7.922	0.011		0.783	0.013	T	0.82	0.01	L	7.9950	0.0013	0.011	92		7.98	8.02					1							S
81348	11.038	0.049	9.631	0.024		1.200	0.015	G	1.33	0.03	I	9.5878	0.0026	0.027	128		9.53	9.63		C			1							
81349	8.485	0.010	7.993	0.008	*	0.463	0.012	T	0.53	0.01	L *	8.0221	0.0016	0.019	186	*	7.99	8.06		D	16368+2632	I 1	2 C	A	AB	336	0.785	0.010	2.39	0.03	S
81350	9.283	0.012	8.860	0.012		0.400	0.016	T	0.47	0.02	L	8.9063	0.0022	0.022	150		8.87	8.94					1							S
81351	9.786	0.022	8.612	0.014		1.007	0.020	T	0.98	0.02	L	8.6328	0.0015	0.012	103		8.61	8.65		C			1 X S							
81352	10.146	0.021	8.757	0.012		1.175	0.019	T	1.14	0.02	L	8.7658	0.0021	0.018	158		8.73	8.80					1							
81353	8.342	0.008	7.751	0.008		0.576	0.015	G	0.65	0.01	H	7.8007	0.0013	0.013	147		7.78	7.83		C			1							S
81354	7.302	0.005	7.290	0.007		0.016	0.008	T	0.04	0.01	L	7.3066	0.0010	0.010	98		7.29	7.32					1							S
81355	10.770	0.065	9.883	0.045	*	0.790	0.059	T	0.82	0.04	L *	9.8458	0.0026	0.021	73	*	9.81	9.88		D	16369−0746	I 1	2 C	A	AB	74	0.712	0.008	0.69	0.02	
81356	10.416	0.031	9.901	0.030		0.484	0.039	T	0.56	0.04	L	10.0046	0.0024	0.028	127		9.96	10.06		C			1							
81357	8.160	0.007	6.986	0.004		1.007	0.006	T	0.98	0.01	L	7.0333	0.0009	0.010	186		7.02	7.05		C			1							S
81358	8.189	0.010	6.343	0.004		1.527	0.015	G	1.53	0.09	H	6.2940	0.0012	0.012	108		6.28	6.31		U 2			1 X S							S
81360	10.205	0.032	8.349	0.013		1.543	0.027	T	1.60	0.06	L	8.2935	0.0015	0.011	86		8.27	8.32		C			1							
81361	9.109	0.009	7.350	0.004		1.466	0.008	T	1.48	0.01	L	7.3332	0.0008	0.011	193		7.32	7.35		C			1							S
81362	6.791	0.004	6.991	0.005		−0.174	0.006	T	−0.18	0.01	L	6.9760	0.0010	0.008	118		6.96	6.99		C			1							S P
81363	8.347	0.013	8.042	0.013	*	0.330	0.020	G	0.38	0.03	H *	8.0556	0.0016	0.011	106	*	8.04	8.08		D	16368+6948	I 2	2 C	A	DE	281	0.631	0.008	2.71	0.05	S
81364	10.437	0.036	8.652	0.016		1.487	0.031	T	1.51	0.05	L	8.6157	0.0020	0.014	85		8.59	8.64		C			1							
81365	10.825	0.055	8.759	0.017	*	0.261	0.155	G	0.29	0.19	R *	8.6694	0.0028	0.025	83	*	8.61	8.71		U 2	16370−0240	H 1	2 C S A	AB	179	0.133	0.005	0.38	0.31	
81366	8.994	0.016	8.536	0.016		0.445	0.018	T	0.51	0.02	L	8.5845	0.0013	0.012	71		8.57	8.62		C			1							
81367	9.772	0.019	8.386	0.011		1.172	0.017	T	1.13	0.01	L	8.4271	0.0014	0.015	138		8.40	8.45					1							
81368	7.352	0.008	7.348	0.012		0.005	0.013	T	0.03	0.01	L	7.3661	0.0015	0.009	55		7.35	7.38		C			1							S
81369	9.378	0.016	8.724	0.014		0.559	0.015	G	0.63	0.01	H	8.8026	0.0017	0.017	115		8.77	8.84		C			1							
81370	8.625	0.008	8.080	0.008		0.511	0.010	T	0.58	0.01	L	8.1358	0.0016	0.020	197		8.10	8.17					1							S
81371	10.232	0.024	9.287	0.018		0.817	0.002	G	0.86	0.00	H	9.3790	0.0016	0.018	161		9.34	9.41		C			1 G							
81372	8.555	0.011	8.256	0.012		0.284	0.015	T	0.32	0.02	L	8.3166	0.0010	0.010	112		8.30	8.34					1							
81373	11.052	0.057	10.362	0.051		0.637	0.063	T	0.70	0.06	L	10.4761	0.0040	0.030	80		10.43	10.52		C			1							G
81374	10.027	0.030	9.473	0.029		0.519	0.037	T	0.59	0.04	L	9.5012	0.0046	0.030	95		9.44	9.56		U			1							
81375	8.142	0.009	7.187	0.007		0.828	0.009	T	0.85	0.01	L	7.2336	0.0014	0.011	90		7.22	7.25		C	16371+0015	I 1	1							S
81376	8.963	0.011	7.069	0.005		1.607	0.010	T	2.44	0.03	O	6.8669	0.0042	0.027	158		6.83	6.91		U 2 C	16371−5223	I 1	1 S							S
81377	2.600	0.003	2.580	0.003		0.038	0.051	G	0.10	0.02	A	2.5708	0.0012	0.009	67		2.55	2.58		M			1							S P
81378	10.985	0.045	9.745	0.024		1.058	0.040	T	1.02	0.03	L	9.7642	0.0037	0.036	129		9.72	9.82		R			1 X							
81379	10.119	0.022	8.912	0.014		1.032	0.020	T	1.00	0.02	L	8.9975	0.0021	0.019	130		8.97	9.03		C			1							
81380	10.617	0.054	9.882	0.045		0.659	0.053	T	0.72	0.04	L	9.9526	0.0045	0.029	51		9.91	10.01					1							G
81381	10.274	0.035	9.151	0.022		0.966	0.001	G	1.02	0.02	A	9.2134	0.0016	0.016	87		9.18	9.25		D			1							
81382	10.786	0.087	10.631	0.129		0.397	0.107	G	0.46	0.12	R	10.5763	0.0067	0.029	46		10.51	10.63					1							G
81383	10.905	0.065	8.577	0.017		1.920	0.054	T	1.95	0.06	L	8.3598	0.0032	0.023	72		8.31	8.39		U 2			1 S							
81384	9.415	0.015	7.897	0.008		1.276	0.013	T	1.24	0.01	L	7.9061	0.0015	0.013	132		7.88	7.93					1							S
81385	10.945	0.063	9.324	0.026		1.363	0.057	T	1.59	0.11	L	9.2868	0.0027	0.015	75		9.26	9.31					1							
81386	10.927	0.061	10.280	0.053	*	0.600	0.070	T	0.67	0.06	L *	10.3942	0.0031	0.023	97	*	10.34	10.44		D	16373+0558	H 1	2 C	A	AB	245	0.462	0.013	0.05	0.03	G
81387	11.102	0.062	10.046	0.039		0.915	0.015	G	0.96	0.02	I	10.1517	0.0035	0.029	108		10.09	10.21					1							
81388	10.919	0.050	9.388	0.023		1.286	0.043	T	1.25	0.04	L	9.4493	0.0017	0.017	118		9.42	9.48		C			1							
81389	8.664	0.010	8.456	0.011		0.215	0.015	G	0.24	0.02	H	8.4845	0.0023	0.017	118		8.45	8.51					1							S
81390	9.361	0.014	8.396	0.010		0.835	0.013	T	0.85	0.01	L	8.4475	0.0016	0.014	144		8.42	8.47					1 G							
81391	10.139	0.028	8.826	0.016	*	1.115	0.025	T	1.08	0.03	L *	8.8719	0.0019	0.016	87	*	8.84	8.91		C	16374+0714	H 1	2 C	B	AB	217	0.300	0.050	2.96	0.43	
81392	10.510	0.033	9.677	0.025		0.734	0.032	T	0.78	0.02	L	9.7180	0.0023	0.021	119		9.69	9.75		C			1							G
81393	10.672	0.048	9.825	0.036		0.744	0.046	T	0.79	0.03	L	9.8803	0.0015	0.018	70		9.85	9.93		C			1							
81394	9.142	0.013	8.586	0.012	A	0.521	0.016	T	0.59	0.02	L	8.6733	0.0075	0.042	129	A	8.64	8.82		D	16374−6133	I 2	1 C P A							
81395	9.754	0.020	9.222	0.020	B	0.499	0.025	T	0.57	0.03	L	9.3136	0.0123			B				D	16374−6133	I 2	1 C I A							
81396	9.757	0.020	8.356	0.012		1.184	0.018	T	1.14	0.02	L	8.4112	0.0015	0.012	98		8.39	8.44		C			1							
81397	9.106	0.011	8.845	0.012		0.249	0.015	T	0.28	0.02	L	8.9062	0.0015	0.016	158		8.88	8.94					1							
81398	9.491	0.015	7.793	0.008		1.418	0.013	T	1.40	0.02	L	7.7876	0.0014	0.015	124		7.76	7.81					1							S
81399	9.711	0.019	9.002	0.017		0.653	0.021	T	0.72	0.02	L	9.0276	0.0018	0.016	137		9.00	9.06					1							
81400	9.062	0.017	8.432	0.016		0.641	0.004	G	0.71	0.00	H	8.4599	0.0013	0.012	76		8.44	8.48					1							

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%) δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
81401	16 37 30.17	+43 33 52.9	7.28	G	249.375 689 77	+43.564 692 09	6.59	5.72	17.51	0.50	0.49	0.57	0.57	0.57	+12	−12	− 9	− 6	− 3	+ 0	− 2	+12	− 4	+ 5	0	1.83
81402	16 37 32.42	−05 30 15.6	9.78	H																						
81403	16 37 33.13	−36 12 08.1	9.28	H	249.388 062 46	−36.202 258 38	2.49	4.64	−2.79	1.54	1.19	2.05	2.03	1.44	−27	+ 5	−24	−42	+31	−50	+21	−40	−18	−22	0	2.21
81404	16 37 33.76	+05 16 39.2	6.48	H	249.390 683 06	+05.277 555 99	7.62	−7.77	−12.50	0.94	0.53	0.96	1.04	0.68	+10	−43	− 9	+50	+ 3	− 6	+ 9	+55	−18	+16	0	−0.51
81405	16 37 34.00	−32 53 17.2	8.57	G	249.391 664 00	−32.888 103 88	11.73	−8.64	−63.55	1.04	0.78	1.16	1.05	0.90	−23	−39	−21	+ 8	−24	+ 7	−12	+39	−15	−47	0	−1.04
81406	16 37 34.53	−18 22 15.7	9.06	H	249.393 895 20	−18.371 019 76	2.37	−2.12	−1.37	1.17	0.77	1.30	1.26	1.02	−28	−30	+12	+ 7	−11	+ 5	− 4	+36	−25	−23	0	−0.01
81407	16 37 36.41	−40 53 13.6	8.95	G	249.401 687 67	−40.887 123 09	30.89	−375.76	−384.30	1.27	1.07	1.37	1.26	1.16	−33	−41	−25	+29	−43	+17	−31	+52	−13	−57	0	−1.75
81408	16 37 36.82	+28 50 10.5	7.66	H	249.403 425 00	+28.836 241 41	4.23	−9.99	−50.85	0.50	0.60	0.83	0.57	0.72	+11	− 3	− 4	− 1	+ 3	−10	+ 3	+ 6	− 8	+12	1	1.42
81409	16 37 37.18	−16 50 59.4	8.32	H	249.404 918 70	−16.849 824 13	6.99	−14.99	−1.50	1.28	0.76	1.34	1.79	1.04	− 2	− 2	−27	+28	+26	−15	+24	+27	+ 6	− 9	0	−0.91
81410	16 37 37.63	−09 48 31.5	9.79	G	249.406 806 98	−09.808 737 64	6.10	−11.38	−16.48	1.90	1.17	1.79	2.45	1.94	− 3	−31	+ 5	+44	− 3	+ 2	+11	+66	− 7	−25	0	1.46
81411	16 37 37.67	+22 26 41.6	7.15	2 H	249.406 941 26	+22.444 892 16	2.54	−6.25	−7.75	0.62	0.58	0.91	0.57	0.60	+13	−16	−19	−49	+ 1	+ 1	− 3	−24	+ 2	+31	0	0.30
81412	16 37 37.99	+18 17 27.2	9.97	H	249.408 302 01	+18.290 876 24	6.65	14.15	−50.33	1.11	0.87	1.42	1.25	1.17	+37	−35	−15	+15	+24	− 1	+27	+25	−13	+48	0	−0.44
81413	16 37 38.31	−22 03 32.7	8.82	H	249.409 642 39	−22.059 094 85	9.77	−59.90	−147.23	1.11	0.79	1.17	1.38	1.02	−14	−15	−23	+32	−12	+ 2	− 6	+46	− 7	−38	0	0.36
81414	16 37 38.43	−49 17 29.8	9.07	H	249.410 106 84	−49.291 597 93	6.82	−2.19	0.84	1.58	1.53	1.97	1.95	1.62	−28	− 2	−44	−17	+25	− 9	+22	−15	+19	−34	0	0.75
81415	16 37 40.07	−42 57 04.7	8.44	2 H	249.416 972 92	−42.951 315 30	1.09	−0.46	0.63	1.09	1.13	1.19	1.46	1.41	−39	+ 0	−30	−15	+39	−11	+40	−49	+19	−31	0	2.24
81416	16 37 40.29	+42 23 32.8	8.17	H	249.417 886 51	+42.392 435 19	1.45	−1.65	−23.21	0.68	0.65	0.77	0.86	0.80	+12	−17	−14	+27	+ 7	+11	+10	+25	−13	+ 8	0	0.78
81417	16 37 41.56	+27 21 52.1	8.15	H	249.423 180 36	+27.364 485 93	5.55	−12.60	−26.07	0.59	0.68	0.95	0.66	0.79	+ 6	−15	+ 1	−24	+ 6	+ 1	+ 4	− 8	+ 4	+18	0	−2.01
81418	16 37 44.02	+19 33 24.8	7.72	H	249.433 419 18	+19.556 886 83	A 7.42	−19.70	5.02	1.58	1.33	1.50	1.62	1.52	+26	−15	−13	+41	+21	− 7	+23	+31	−14	+29	1	−0.36
81419	16 37 45.28	+19 33 02.3	11.45	H	249.438 671 28	+19.550 636 50	B 14.20	−47.35	−8.47	41.88	34.39	26.94	33.39	28.41	+28	−15	− 5	+40	+23	− 1	+26	+28	−16	+39	1	−0.36
*81420	16 37 45.97	+42 31 37.7	8.83	2 H	249.441 535 43	+42.527 125 45	0.89	3.60	−10.44	0.78	0.72	0.86	0.93	0.87	+ 9	−22	−13	+33	+10	− 2	+13	+13	−13	+ 9	1	0.72
*81421	16 37 45.97	+00 02 26.6	8.05	G	249.441 527 25	+00.040 714 83	26.56	−209.53	−226.00	1.41	0.79	1.22	1.67	1.07	+ 6	−27	−19	+62	+19	− 6	+27	+39	−28	+ 2	2	2.23
81422	16 37 46.16	−64 14 57.1	7.60	H	249.442 336 65	−64.249 184 93	A 12.09	35.82	−59.84	1.28	1.11	1.67	1.41	1.26	− 9	−19	+ 8	−37	−42	+20	−33	+31	−13	−28	2	2.22
81423	16 37 46.28	+62 33 12.3	9.06	H	249.442 825 10	+62.553 425 72	4.95	0.40	−9.30	0.64	0.71	0.72	0.59	0.81	+ 3	−19	−14	−27	−13	+ 0	−15	− 2	+13	−11	3	−0.33
81424	16 37 47.57	−65 02 47.4	8.04	H	249.448 228 06	−65.046 486 50	17.40	−3.38	−5.47	0.60	0.69	0.92	0.69	0.78	−23	− 7	− 7	+12	−36	+ 3	−31	+40	+ 3	−41	0	1.01
81425	16 37 48.03	+13 41 13.9	6.30	H	249.450 125 63	+13.687 186 19	14.39	−32.06	−62.30	0.58	0.49	0.73	0.77	0.68	−17	−12	−11	+43	−12	+10	−12	+59	− 8	−10	0	2.42
81426	16 37 49.01	+27 02 38.1	6.96	2 H	249.454 217 79	+27.043 916 89	3.55	1.55	−33.97	0.44	0.54	0.75	0.49	0.62	+11	−12	−10	−25	− 3	− 2	− 3	−12	− 3	+13	1	0.21
81427	16 37 49.28	−54 51 31.2	7.70	2 H	249.455 324 83	−54.858 670 79	3.69	−9.24	−17.86	0.86	0.64	1.08	1.08	0.83	+44	− 8	−10	+56	+42	+10	+43	+74	−26	+39	0	−0.57
81428	16 37 52.81	+78 55 06.8	6.33	H	249.470 033 00	+78.918 563 43	7.87	−24.20	42.49	0.47	0.55	0.55	0.50	0.72	+15	−25	−27	−23	+ 0	− 8	− 3	−20	+ 2	− 4	0	0.51
81429	16 37 54.96	+70 26 22.3	8.10	H	249.479 020 22	+70.439 539 58	2.41	−3.86	7.04	0.66	0.63	0.68	0.75	0.71	+19	− 4	−24	−25	−11	−17	−15	− 2	− 9	+17	2	1.07
81430	16 37 55.83	+09 29 02.0	8.04	G	249.482 641 71	+09.483 877 64	6.88	−35.98	61.55	0.69	0.63	0.99	0.85	0.85	−35	−18	+ 0	+32	−31	− 1	−31	+49	− 6	−27	3	1.57
81431	16 37 58.89	−58 37 51.0	7.41	H	249.495 375 28	−58.630 838 85	1.79	−2.36	−5.59	0.69	0.57	0.90	0.75	0.69	+34	−34	−25	+38	+33	− 9	+38	+62	−28	+30	0	−2.60
81432	16 37 59.68	−14 37 43.6	10.15	G	249.498 681 92	−14.628 788 66	7.20	−9.71	4.72	1.93	1.23	2.13	2.85	1.85	− 6	−16	−33	+17	+15	−10	+18	+33	− 4	−27	0	0.86
*81433 H	16 37 59.75	+69 09 45.4	7.61	G	249.498 977 90	+69.162 607 39	* 5.32	7.49	−6.32	1.07	1.21	0.67	0.62	0.70	+30	−22	−15	− 8	− 7	− 3	− 4	+ 7	−12	+ 9	1	0.21
*81434	16 37 59.73	−46 09 16.7	6.62	H	249.498 892 91	−46.154 625 91	4.85	1.99	3.98	0.92	0.69	1.07	0.80	0.70	+19	−56	−34	+12	− 7	+ 6	+ 4	+25	−15	−11	0	0.89
81435 H	16 38 00.10	−68 01 53.6	8.93	G	249.500 412 39	−68.031 562 14	A 9.53	−173.22	−167.45	1.42	3.06	3.00	1.78	3.11	+ 1	−17	− 2	−10	+17	−11	+20	−19	−16	−17	3	0.99
81436	16 38 00.37	−63 08 56.3	8.49	H	249.501 524 61	−63.148 962 98	4.18	−28.66	−27.11	0.70	0.78	1.21	0.84	0.91	− 2	+ 6	−16	+ 9	−11	− 2	−11	+28	− 7	− 3	0	0.08
81437	16 38 00.46	+56 00 55.4	5.28	H	249.501 913 91	+56.015 388 83	12.60	6.08	62.10	0.43	0.42	0.46	0.51	0.51	+ 6	− 6	− 4	− 0	+ 8	− 2	+ 8	+ 0	− 8	− 6	0	−0.28
81438	16 38 00.69	−70 53 02.9	9.32	2 H	249.502 878 26	−70.884 137 96	1.46	−5.71	−3.50	0.69	1.09	1.44	0.72	1.27	+30	−14	−21	+10	− 2	− 6	− 5	+10	+ 0	+38	1	0.88
81439	16 38 01.29	+58 12 17.2	8.99	H	249.505 382 32	+58.204 791 50	1.85	12.19	12.68	0.81	0.83	0.86	1.02	1.13	+ 8	− 3	−12	+12	− 2	+ 1	− 1	−18	+ 3	+13	0	0.13
81440	16 38 01.56	−06 32 16.8	6.05	H	249.506 493 44	−06.537 991 88	7.92	−7.45	−9.23	0.95	0.81	1.05	1.19	1.25	−50	− 9	−25	+29	−50	+13	−38	+73	−39	−61	0	−1.89
81441	16 38 01.82	−51 32 14.7	8.51	H	249.507 574 13	−51.537 405 49	3.71	1.35	−1.73	0.89	0.74	1.35	1.18	1.02	− 1	−11	−37	+21	+ 2	− 8	+13	+59	−41	−27	0	1.76
81442	16 38 02.02	+27 20 12.9	9.01	H	249.508 415 06	+27.336 920 58	1.65	13.70	−10.35	0.73	0.87	1.23	0.81	1.02	+ 3	−23	− 5	−18	+ 1	+ 6	+ 2	− 5	− 6	+ 1	0	−0.20
81443	16 38 02.61	+17 45 04.6	8.65	H	249.510 859 12	+17.751 271 89	1.50	1.84	−12.05	0.85	0.68	1.14	1.27	1.01	+32	−11	− 3	+13	+20	−21	+18	+24	−33	+56	0	0.61
81444	16 38 02.74	−44 18 01.4	7.95	G	249.511 417 92	−44.300 381 69	3.58	27.38	−32.24	0.91	0.91	1.06	1.13	1.06	−27	− 3	−15	−23	+18	− 7	+19	−39	− 9	−15	0	−0.45
81445 H	16 38 04.05	+39 34 38.5	6.74	H	249.516 880 55	+39.577 368 36	A 6.69	−29.42	−61.05	0.81	0.91	0.76	0.65	0.82	− 4	− 4	− 4	−16	− 3	−17	− 3	−20	+ 4	− 9	0	−0.73
81446	16 38 04.52	+20 18 08.1	10.47	H	249.518 850 63	+20.302 240 04	−0.64	−1.55	−15.28	1.32	1.15	1.93	1.56	1.52	+16	−13	+ 8	+26	+18	+ 3	+20	+15	− 4	+29	0	0.27
81447	16 38 05.53	−34 01 10.4	9.08	H	249.523 061 29	−34.019 557 81	5.90	−11.29	−23.88	1.29	0.89	1.41	1.51	1.02	+ 7	−30	− 8	+26	+21	+27	+24	+31	− 6	+ 5	0	−1.11
81448	16 38 06.68	+53 50 19.5	9.34	H	249.527 847 15	+53.838 750 08	5.54	1.24	2.68	0.85	0.83	0.91	0.93	0.95	+ 4	+19	+ 8	−16	+ 3	+ 2	+ 4	− 1	+ 0	− 4	0	−0.64
81449	16 38 07.58	−39 29 52.7	9.15	H	249.531 597 72	−39.497 967 12	6.49	−26.48	−28.57	1.33	0.92	1.52	1.53	1.13	− 6	−40	−22	−23	− 1	+18	+12	+10	−21	−24	0	−0.69
81450	16 38 08.40	−13 31 31.5	10.15	H	249.534 999 25	−13.525 407 15	15.39	−17.75	−196.85	3.64	2.35	2.33	4.10	2.36	+20	−21	+27	−19	−55	−39	−42	+33	+ 6	+ 4	0	0.24
81451	16 38 09.75	+61 10 20.4	6.91	H	249.540 626 71	+61.172 331 18	4.06	−16.20	−1.55	0.56	0.56	0.59	0.71	0.69	+ 5	+ 4	−15	−16	+18	− 3	+15	+10	+16	+17	0	−0.57
81452	16 38 10.46	+05 43 53.5	8.94	H	249.543 566 57	+05.731 523 25	2.72	0.28	4.99	1.16	0.79	1.27	1.26	1.03	− 3	−34	− 7	+47	− 9	+ 3	− 6	+56	− 9	−11	0	0.36
81453	16 38 10.52	+73 19 35.4	8.10	H	249.543 823 75	+73.326 498 05	10.99	−22.81	39.16	0.53	0.58	0.60	0.50	0.61	+ 9	−25	− 6	−14	+ 6	− 7	+ 8	− 1	−13	+14	0	0.61
81454	16 38 10.80	+27 27 18.7	9.23	H	249.545 016 84	+27.455 204 63	3.48	−3.44	−12.54	0.83	0.97	1.35	0.93	1.08	− 2	−17	−14	−24	+ 2	+ 3	+ 3	−12	−10	+ 6	0	0.44
81455	16 38 10.82	−29 40 40.2	9.15	H	249.545 064 95	−29.677 840 52	8.70	−7.01	−24.54	1.37	0.95	1.46	1.65	1.23	−36	−12	+18	+13	−20	−25	−22	+73	+ 3	−27	0	−0.95
81456	16 38 14.07	−27 02 10.8	9.82	G	249.558 622 42	−27.036 332 72	13.09	−31.06	−111.38	1.53	0.95	1.69	1.73	1.26	−28	−18	− 5	+ 0	+ 0	−18	+12	+50	−14	−37	0	0.18
81457	16 38 14.59	−24 53 14.8	9.64	H	249.560 798 12	−24.887 450 08	3.57	−3.78	2.27	1.36	0.85	1.54	1.86	1.14	−18	−17	− 4	+22	+ 4	+19	+ 6	+51	−27	−14	3	−0.57
81458	16 38 14.70	−46 55 53.7	7.46	H	249.561 251 58	−46.931 596 82	−0.05	1.22	−2.26	1.16	0.77	1.25	1.10	0.82	+26	−50	−30	+15	+ 7	+ 8	+16	+24	−16	+ 9	0	0.35
81459	16 38 16.20	+29 40 22.6	7.50	H	249.567 507 47	+29.672 954 90	15.46	−33.01	−192.10	0.50	0.59	0.80	0.56	0.75	+10	− 2	− 9	+13	+ 8	−11	+ 7	+ 7	−17	+ 7	0	−0.39
81460	16 38 16.98	+25 25 37.2	8.87	H	249.570 762 46	+25.427 010 83	6.34	−25.69	22.18	0.54	0.86	1.36	0.71	0.99	+14	−13	−22	− 6	− 4	− 8	− 4	− 9	−10	+ 0	0	−0.60
81461	16 38 17.49	−02 26 29.3	8.50	G	249.572 892 17	−02.441 472 70	14.37	−177.76	−285.10	1.15	0.69	1.18	1.24	1.02	+ 1	−40	−14	+33	+ 4	− 3	+16	+54	−14	−14	0	0.36
81462	16 38 17.91	−14 40 51.3	8.21	G	249.574 625 37	−14.680 911 29	11.52	−30.04	−35.67	1.10	0.73	1.14	1.51	1.04	−19	− 9	+ 2	+12	+22	+ 9	+23	+25	+ 4	−23	2	0.06
81463	16 38 18.40	−78 16 43.2	12.31	2 H	249.576 655 48	−78.278 666 51	4.75	−50.37	−3.73	2.30	2.37	3.11	2.51	2.79	+ 9	−22	+10	+ 0	−11	− 4	−14	+13	+15	+ 7	3	0.44
81464 H	16 38 19.25	−22 53 33.9	7.53	G	249.580 201 55	−22.892 760 79	A 11.57	−35.84	−58.26	1.07	0.74	1.05	1.17	0.88	− 5	−23	− 6	+15	+ 8	− 5	+17	+37	−14	−30	1	1.04
81465	16 38 19.64	−05 01 14.1	10.38	H	249.581 833 81	−05.020 583 44	29.87	−19.94	−96.63	2.48	1.71	2.21	2.96	2.64	−56	−30	− 4	+59	−56	+ 7	−43	+80	−20	−64	0	1.12
81466	16 38 20.73	−32 20 01.9	9.00	H	249.586 369 58	−32.333 848 81	2.16	−1.33	−15.75	1.19	0.93	1.38	1.36	1.11	−19	−31	−32	+ 3	−23	+ 9	−10	+37	−16	−47	2	0.08
81467	16 38 20.86	−49 13 33.0	8.39	H	249.586 910 49	−49.225 833 69	13.01	−104.51	−106.38	1.13	1.05	1.35	1.46	1.25	−27	− 6	−36	− 9	+17	− 4	+16	− 7	+16	−42	0	1.16
81468	16 38 22.09	+14 47 37.7	7.89	H	249.592 044 53	+14.793 797 18	3.33	14.90	−6.37	0.64	0.57	0.93	1.06	0.86	−24	−17	−10	+14	− 1	−22	−15	+49	−31	+32	0	0.72
81469	16 38 23.29	−56 15 30.9	9.45	G	249.597 027 60	−56.258 594 45	21.62	223.84	−2.63	0.99	0.77	1.48	1.21	1.00	+16	−27	−21	+27	+13	− 5	+20	+62	−34	+14	0	−1.07
81470	16 38 24.13	+35 13 34.5	9.50	H	249.600 527 69	+35.226 250 04	11.49	58.33	−81.08	0.83	0.93	1.17	0.91	1.18	+ 0	− 2	−21	+ 0	− 3	+ 4	+ 1	+16	−16	−22	0	1.16
81471	16 38 25.51	−07 09 10.7	7.47	H	249.606 279 30	−07.152 961 95	3.09	6.45	−25.81	1.03	0.87	1.22	1.31	1.39	−42	−28	−27	+33	−52	+13	−23	+73	−39	−71	0	1.34
81472	16 38 26.30	−43 23 54.2	5.83	1 H	249.609 588 67	−43.398 375 84	4.75	−11.68	−20.60	0.73	0.77	0.90	0.93	0.93	−32	−10	−41	−18	+39	−31	+26	−41	+19	−58	0	2.28
81473 H	16 38 26.94	−04 35 30.2	8.63	H	249.612 251 69	−04.591 721 65	* 4.17	12.84	−1.08	3.13	2.70	1.98	2.44	2.24	−45	−41	−12	+49	−56	+ 5	−31	+82	−19	−68	0	0.05
81474	16 38 28.66	−18 13 13.5	6.73	H	249.619 422 62	−18.220 426 58	6.06	−12.70	−21.52	0.83	0.59	0.98	0.86	0.77	−40	−27	− 8	+ 9	−29	+19	−14	+44	−41	−49	0	2.32
81475	16 38 28.86	−36 43 50.9	9.55	H	249.620 249 53	−36.730 807 91	0.22	−3.04	−23.70	3.74	2.63	4.51	3.80	3.08	+10	−37	−30	−23	+ 1	−14	+ 5	−20	−26	− 7	0	
81476	16 38 30.01	+12 39 43.8	7.66	H	249.625 022 46	+12.662 163 79	17.00	−41.74	31.42	0.89	0.70	0.97	1.05	0.84	+25	−33	−18	+56	+26	−12	+24	+58	−15	+21	3	0.93
81477	16 38 30.95	−39 09 08.2	6.93	1 H	249.628 960 88	−39.152 278 24	7.93	−10.93	−20.41	0.81	0.59	1.00	0.96	0.69	− 4	−39	−24	+ 0	+ 4	+29	+20	+18	−26	−15	0	−0.52
81478 H	16 38 30.97	−57 28 11.5	8.61	2 H	249.629 056 77	−57.469 850 80	A 26.94	116.35	16.32	1.46	1.16	1.88	1.38	1.26	+44	−13	−11	+17	+ 9	− 3	+21	+59	−33	+24	1	−0.19
81479	16 38 31.24	−41 38 06.9	9.45	H	249.630 163 50	−41.635 240 51	3.51	−16.53	−19.13	1.59	1.58	1.78	2.04	2.00	−43	−17	−43	+37	−50	+11	−44	+54	−14	−72	0	0.18
81480	16 38 31.39	−31 06 03.3	9.72	H	249.630 794 12	−31.100 928 44	9.26	−26.78	−40.25	1.51	0.93	1.69	2.00	1.19	− 9	−19	−20	+16	+19	−15	+17	+51	−26	− 4	5	1.94
81481	16 38 31.55	+37 12 04.7	8.50	H	249.631 477 20	+37.201 305 87	2.45	3.28	1.28	0.72	0.74	0.93	0.77	0.86	+13	−14	−13	− 3	+14	−21	+13	+ 4	+ 2	+ 7	0	−0.71
81482	16 38 31.57	+46 23 37.7	8.00	H	249.631 545 90	+46.393 816 91	4.93	2.83	15.23	0.60	0.57	0.67	0.67	0.65	+ 6	− 7	−17	+ 9	+11	−11	+12	+18	−22	− 7	0	0.89
81483	16 38 32.54	+48 51 44.4	6.56	2 H	249.635 578 65	+48.862 342 53	4.09	2.45	−19.84	0.51	0.46	0.53	0.58	0.50	+ 9	− 3	− 7	+14	+10	− 1	+10	+17	−12	+12	0	1.22
81484	16 38 33.54	−01 13 53.4	6.73	H	249.639 745 83	−01.231 489 12	8.65	−13.07	−12.82	0.85	0.59	0.89	1.00	0.85	−23	−25	+ 2	+37	−16	+ 4	−11	+53	+ 1	−37	0	0.39
81485 H	16 38 33.58	−24 07 55.2	8.64	H	249.639 910 27	−24.132 002 71	A 6.84	−20.60	−52.03	1.43	0.92	1.44	1.52	1.09	−26	−26	−12	+ 4	+ 8	− 7	+18	+32	−20	−32	2	0.75
81486	16 38 34.75	−18 49 32.4	6.97	H	249.644 792 68	−18.825 667 91	4.69	−9.93	−12.56	0.89	0.62	1.03	0.95	0.77	−35	−25	+ 6	+22	−22	− 4	−12	+46	−30	−34	5	2.85
81487	16 38 36.29	−26 59 21.5	8.43	H	249.651 220 98	−26.989 314 56	4.21	−6.15	−11.68	1.05	0.66	1.14	1.15	0.85	−30	−19	− 4	+ 2	− 6	− 4	+ 3	+55	−19	−35	0	−1.07
81488	16 38 38.48	−39 33 03.4	8.97	H	249.660 325 55	−39.550 939 27	9.82	−9.92	−22.30	1.23	0.85	1.43	1.36	1.00	− 8	−44	−26	−28	− 1	+18	+15	+ 0	−25	−26	0	−2.15
81489	16 38 40.36	+09 58 55.4	8.82	H	249.668 185 60	+09.982 055 50	2.65	−14.88	−4.81	0.90	0.88	1.19	1.09	1.20	−41	−22	− 2	+23	−39	+ 0	−42	+62	−16	−25	0	0.90
81490	16 38 40.66	+05 25 27.8	10.22	G	249.669 416 80	+05.424 400 81	19.08	−172.92	−27.03	1.78	1.09	1.70	2.03	1.41	+16	−37	−24	+57	+ 6	− 4	+12	+64	−19	+ 8	0	0.56
81491	16 38 40.70	−01 11 01.6	7.94	H	249.669 604 05	−01.183 787 35	5.96	−24.02	−8.92	1.06	0.73	1.10	1.15	1.02	−26	−39	+19	+37	−10	− 2	− 5	+54	+ 6	−33	0	0.36
81492 H	16 38 41.37	−36 04 35.2	9.50	H	249.672 376 38	−36.076 440 38	A 7.62	42.69	6.42	7.05	4.55	7.79	7.64	4.62	+ 8	− 2	−39	−51	+11	−46	− 5	−31	−12	− 6	0	1.62
81493	16 38 42.25	−68 43 14.9	7.23	H	249.676 050 88	−68.720 800 19	4.97	−15.80	−30.19	0.39	0.52	0.72	0.47	0.61	+ 0	−19	+ 0	−11	− 1	−16	− 1	−20	− 3	−12	0	0.75
81494	16 38 42.71	+16 13 03.5	8.54	H	249.677 968 98	+16.217 645 91	A 3.52	−17.23	−8.15	1.83	1.62	2.25	2.17	1.95	+18	−30	−12	+21	+11	−15	+16	+17	−21	+45	5	0.62
81495	16 38 43.72	−36 51 16.7	8.66	H	249.682 175 87	−36.854 645 29	9.21	−6.03	−50.40	1.22	0.89	1.36	1.63	1.23	− 7	−29	− 5	+ 1	+15	− 8	+22	−12	+19	+20	0	1.21
81496	16 38 44.70	+16 13 11.0	10.98	H	249.686 260 63	+16.219 727 80	B −15.96	15.37	13.71	16.71	12.66	13.07	15.28	11.53	+23	−17	+ 3	+18	+24	−29	+28	+16	−26	+54	5	0.62
81497	16 38 44.89	+48 55 41.8	4.86	1 H	249.687 033 38	+48.928 277 39	8.67	−48.10	26.81	0.43	0.41	0.46	0.50	0.47	+ 9	− 5	− 6	+19	+13	+ 0	+14	+ 5	− 8	+15	1	2.35
81498	16 38 46.68	−29 53 32.3	8.21	H	249.694 500 17	−29.892 307 32	21.41	117.71	−85.41	1.05	0.70	1.13	1.27	0.93	−32	− 4	− 1	− 1	−21	−21	−15	+62	−11	−37	0	1.30
81499	16 38 47.73	−08 37 06.9	6.44	H	249.698 856 06	−08.618 585 36	3.70	2.82	−10.16	0.85	0.55	0.96	1.08	0.84	−21	−33	+ 1	+ 9	− 2	−24	+ 1	+37	+12	−36	0	−0.34
81500

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
81401	7.388	0.005	7.288	0.007		0.090	0.015	G	0.10	0.02	H	7.3079	0.0010	0.009	126		7.29	7.32		C			1							S
81402						1.165	0.400	G	1.30	0.07	B	9.9324	0.0038	0.030	83		9.89	9.99		R	16375−0530	I 1	S							G
81403	9.879	0.037	9.353	0.035		0.502	0.038	T	0.57	0.04	L	9.3879	0.0028	0.018	46		9.36	9.42		C			1							
81404	7.961	0.008	6.603	0.006		1.150	0.008	T	1.11	0.01	L	6.6432	0.0010	0.008	97		6.63	6.66		C			1							S
81405	9.233	0.019	8.645	0.017		0.576	0.015	G	0.65	0.01	H	8.6817	0.0018	0.013	76		8.66	8.70		C			1							
81406	9.497	0.020	9.099	0.021		0.429	0.020	G	0.50	0.02	H	9.1521	0.0018	0.015	71		9.13	9.17		C			1							
81407	10.235	0.043	9.100	0.029		0.965	0.019	G	1.01	0.02	I	9.1002	0.0026	0.016	49		9.08	9.13		C			1							
81408	8.843	0.010	7.755	0.007		0.940	0.009	T	0.93	0.01	L	7.8181	0.0012	0.011	172		7.79	7.84					1							S
81409	9.956	0.030	8.469	0.016		1.252	0.027	T	1.21	0.03	L	8.4837	0.0019	0.015	74		8.45	8.51		C			1							
81410	10.632	0.050	9.943	0.043		0.726	0.020	G	0.78	0.01	H	9.9366	0.0033	0.025	70		9.89	9.98					1							
81411	9.087	0.010	7.410	0.005		1.428	0.009	T	2.90	0.02	O	7.0797	0.0052	0.050	164		6.99	7.16		U 2			1 S							S
81412	10.753	0.037	10.004	0.031		0.685	0.038	T	0.74	0.03	L	10.1053	0.0020	0.026	126		10.05	10.15					1							
81413	9.768	0.026	8.891	0.020		0.783	0.025	T	0.82	0.02	L	8.9669	0.0019	0.014	74		8.94	8.99		C			1							
81414	10.896	0.087	9.299	0.037		1.338	0.074	T	1.30	0.09	L	9.2323	0.0025	0.024	47		9.20	9.27		D			1							
81415	11.171	0.095	8.520	0.019		2.230	0.080	T	3.61	0.16	O	8.1282	0.0163	0.070	47		8.03	8.23		U 2 C			1 S							
81416	10.126	0.025	8.357	0.011		1.474	0.022	T	1.49	0.03	L	8.2972	0.0019	0.014	118		8.27	8.32		C			1							
81417	9.323	0.011	8.247	0.008		0.931	0.010	T	0.93	0.01	L	8.3068	0.0016	0.019	189		8.27	8.34					1							
81418	9.199	0.015	7.831	0.009	A	1.158	0.013	T	1.12	0.01	L	7.8830	0.0067	0.015	120	A	7.85	7.91		D	16377+1933	I 2	1 C P C							S
81419	11.828	0.138	10.977	0.102	B	0.763	0.130	T	0.80	0.09	L	11.5768	0.1421			B				D	16377+1933	I 2	1 C I C							
81420	11.029	0.054	9.027	0.016		1.696	0.046	T	2.00	0.11	O	8.9153	0.0064	0.050	115		8.86	9.00		U 2			1							
81421	9.007	0.015	8.120	0.011		0.763	0.004	G	0.78	0.02	A	8.1924	0.0021	0.014	88		8.17	8.22		C			1 G							S
81422	8.837	0.010	7.703	0.007	A	0.970	0.015	G	0.95	0.01	H	7.7679	0.0060	0.013	156	A	7.75	7.80			16378−6415	I 1	2 C A	AB	147	11.435	0.024	2.65	0.07	
81423	9.727	0.020	9.094	0.018		0.588	0.023	T	0.66	0.02	L	9.1847	0.0016	0.015	100		9.16	9.21					1							
81424	8.708	0.010	8.103	0.009		0.563	0.010	T	0.64	0.01	L	8.1591	0.0014	0.017	132		8.13	8.19					1							S
81425	6.805	0.003	6.346	0.003		0.433	0.004	T	0.50	0.00	L	6.3984	0.0007	0.007	140		6.39	6.41		C			1							S
81426	9.140	0.010	7.173	0.005		1.667	0.009	T	2.23	0.03	O	7.0171	0.0031	0.032	186		6.98	7.08		U 2			1							S
81427	7.712	0.005	7.701	0.007		0.015	0.008	T	0.03	0.01	L	7.7129	0.0017	0.020	192		7.68	7.75		U 2			1							S
81428	7.809	0.008	6.450	0.005		1.141	0.001	G	1.10	0.00	H	6.4995	0.0007	0.007	96		6.49	6.51		C			1							S
81429	9.263	0.016	8.204	0.011		0.918	0.015	T	0.92	0.01	L	8.2634	0.0019	0.013	97		8.25	8.29					1							
81430	8.250	0.008	8.070	0.008		0.170	0.006	G	0.19	0.01	H	8.0943	0.0012	0.013	146		8.07	8.12					1							S
81431	7.338	0.005	7.398	0.006		−0.050	0.007	T	−0.03	0.01	L	7.3958	0.0009	0.008	138		7.38	7.41		C			1							S
81432	10.852	0.062	10.277	0.060		0.650	0.020	G	0.71	0.02	H	10.2896	0.0057	0.023	62		10.25	10.32		C			1							G
81433	7.910	0.010	7.633	0.010	*	0.284	0.001	G	0.32	0.00	H	*	7.6639	0.0013	0.012	116	*	7.65	7.69		D	16380+6910	H 1	2 C A	AB	222	0.300	0.008	1.95	0.08	S
81434	8.629	0.022	6.778	0.011		1.539	0.020	T	1.59	0.04	L		6.7421	0.0021	0.012	58		6.72	6.76					1							S
81435	9.818	0.016	9.053	0.013	*	0.634	0.002	G	0.70	0.00	H	*	9.0604	0.0019	0.023	186	*	9.02	9.10		D	16380−6802	H 1	2 C A	AB	339	0.625	0.003	0.48	0.02	
81436	10.139	0.024	8.624	0.012		1.274	0.021	T	1.23	0.02	L	8.6451	0.0019	0.018	137		8.60	8.68					1							
81437	6.634	0.005	5.398	0.003		1.055	0.004	G	1.02	0.00	H	5.4441	0.0008	0.006	103		5.43	5.46					1 G							S
81438	11.344	0.053	9.600	0.019		1.483	0.046	T	2.94	0.06	O	9.2450	0.0105	0.129	184		8.93	9.43		U 2 C			1 S							
81439	10.726	0.048	9.094	0.020		1.366	0.041	T	1.33	0.05	L	9.1333	0.0022	0.019	101		9.11	9.17					1							
81440	6.263	0.004	6.091	0.003		0.165	0.005	T	0.18	0.01	L	6.1085	0.0007	0.007	86		6.10	6.12		C			1							S
81441	10.036	0.026	8.643	0.015		1.178	0.024	T	1.14	0.02	L	8.6799	0.0018	0.013	105		8.65	8.70					1							
81442	10.283	0.020	9.096	0.012		1.017	0.018	T	0.99	0.01	L	9.1721	0.0025	0.028	184		9.13	9.21					1							
81443	10.471	0.034	8.817	0.015		1.383	0.029	T	1.36	0.04	L	8.8038	0.0019	0.020	125		8.77	8.84					1							
81444	9.425	0.023	8.078	0.014		1.170	0.014	G	1.20	0.02	A	8.1091	0.0009	0.010	51		8.09	8.13					1							
81445	8.223	0.008	6.869	0.005	*	1.147	0.007	T	1.11	0.01	L	*	6.9045	0.0010	0.010	121	*	6.89	6.92		D	16381+3935	H 1	2 C A	AB	320	0.522	0.016	3.15	0.06	S
81446	12.106	0.165	10.638	0.068		1.568	0.082	G	1.70	0.17	K	10.5749	0.0035	0.032	100		10.49	10.62		C			1							G
81447	9.727	0.037	9.155	0.035		0.535	0.045	T	0.61	0.05	L	9.1967	0.0026	0.013	49		9.17	9.23					1							
81448	9.815	0.021	9.338	0.021		0.449	0.027	T	0.52	0.03	L	9.4354	0.0019	0.025	110		9.39	9.48					1							
81449	10.919	0.068	9.331	0.030		1.331	0.059	T	1.29	0.07	L	9.2998	0.0028	0.016	57		9.28	9.32		C			1							G
81450	11.110	0.069	10.239	0.051		0.763	0.066	T	0.80	0.05	L	10.2861	0.0043	0.032	68		10.22	10.33		C			1 G							G
81451	8.940	0.013	7.076	0.006		1.549	0.011	T	1.61	0.02	L	7.0190	0.0012	0.012	110		7.00	7.04					1							S
81452	8.988	0.014	8.938	0.017		0.051	0.020	T	0.06	0.02	L	8.9616	0.0024	0.016	92		8.94	8.99		C			1							
81453	8.740	0.012	8.167	0.011		0.536	0.014	T	0.61	0.01	L	8.2132	0.0014	0.013	111		8.19	8.24		C			1							S
81454	11.136	0.042	9.413	0.016		1.438	0.036	T	1.43	0.06	L	9.3656	0.0030	0.030	180		9.31	9.43					1							
81455	9.714	0.018	9.201	0.018		0.465	0.020	G	0.54	0.02	H	9.2500	0.0017	0.017	102		9.22	9.29					1							
81456	10.658	0.044	9.838	0.033		0.720	0.020	G	0.77	0.02	H	9.9454	0.0023	0.022	100		9.91	9.99		C			1							G
81457	9.868	0.026	9.675	0.034		0.202	0.011	G	0.22	0.01	H	9.7038	0.0026	0.021	88		9.67	9.73		C			1							G
81458	8.110	0.013	7.546	0.012		0.622	0.015	G	0.69	0.01	H	7.5875	0.0018	0.010	44		7.57	7.61		C			1							S
81459	8.428	0.008	7.585	0.006		0.730	0.015	G	0.78	0.01	H	7.6416	0.0010	0.011	159		7.63	7.67					1							S
81460	9.453	0.012	8.919	0.011		0.501	0.015	T	0.57	0.02	L	8.9812	0.0015	0.023	231		8.94	9.02					1 S							
81461	9.209	0.018	8.569	0.016		0.613	0.009	G	0.68	0.01	H	8.6208	0.0015	0.013	88		8.60	8.64		C			1							
81462	8.799	0.015	8.250	0.014		0.546	0.015	G	0.62	0.01	H	8.3219	0.0018	0.012	71		8.31	8.34		C			1							S
81463											T	12.4216	0.0090	0.091	132		12.24	12.60		U 2			1							D
81464	8.031	0.009	7.594	0.008	*	0.440	0.015	G	0.51	0.02	H	*	7.6314	0.0013	0.008	91	*	7.62	7.65		D	16383−2254	H 1	2 C A	AB	248	0.939	0.018	2.96	0.06	S
81465	11.916	0.153	10.470	0.064		1.190	0.015	G	1.32	0.03	I		10.4968	0.0043	0.031	80		10.45	10.55		C			1							G
81466	9.650	0.026	9.035	0.024		0.570	0.026	T	0.64	0.02	L	9.1194	0.0027	0.016	67		9.09	9.15		C			1							
81467	8.981	0.023	8.447	0.021		0.509	0.023	T	0.58	0.02	L	8.4978	0.0025	0.018	46		8.47	8.52					1							
81468	8.014	0.007	7.900	0.010		0.111	0.011	T	0.12	0.01	L	7.9371	0.0011	0.010	110		7.92	7.95					1							S
81469	10.564	0.028	9.585	0.020		0.880	0.020	G	0.92	0.02	H	9.5855	0.0020	0.025	192		9.55	9.63					1							G
81470	10.421	0.029	9.622	0.023		0.724	0.028	T	0.78	0.02	L	9.6426	0.0028	0.034	143		9.59	9.71		R	16384+3514	I 1	1							
81471	9.587	0.025	7.650	0.011		1.607	0.022	T	1.63	0.02	L	7.5809	0.0017	0.012	82		7.56	7.60					1							S
81472	5.781	0.006	5.844	0.008		−0.053	0.009	T	−0.03	0.01	L	5.8155	0.0018	0.013	46		5.80	5.83		U 2	16384−4324	I 1	1 S							S
81473	10.211	0.033	8.793	0.018	*	1.198	0.030	T	1.16	0.03	L	*	8.7944	0.0020	0.013	83	*	8.77	8.81			16384−0436	H 1	2 C B	AB	332	0.260	0.034	2.71	0.36	
81474	7.029	0.005	6.769	0.007		0.248	0.008	T	0.28	0.01	L		6.8019	0.0008	0.006	81		6.79	6.81					1							S
81475	11.171	0.102	9.748	0.048		1.200	0.092	T	1.16	0.09	L		9.6908	0.0034	0.020	50		9.65	9.73		C			1 X							G
81476	8.407	0.009	7.736	0.006		0.621	0.009	T	0.69	0.01	L		7.7895	0.0010	0.011	175		7.77	7.81		C			1 G							S
81477	6.922	0.006	6.949	0.009		−0.020	0.010	T	0.00	0.01	L		6.9347	0.0022	0.023	54		6.92	6.99	0.64	P 1 A			1							S
81478	9.556	0.014	8.737	0.011	A	0.700	0.495	G	0.74	0.02	L	*	8.7458	0.0038	0.030	167	*	8.71	8.82	4.69	P 1 A	16385−5728	I 1	2 C A	AB	52	1.319	0.022	2.59	0.07	P
81479	10.046	0.044	9.521	0.045		0.502	0.047	T	0.57	0.05	L		9.5620	0.0027	0.017	39		9.53	9.59		D			1							G
81480	10.568	0.051	9.783	0.041		0.697	0.050	T	0.75	0.04	L		9.8613	0.0031	0.021	77		9.82	9.91					1							G
81481	9.598	0.017	8.582	0.012		0.886	0.016	T	0.89	0.01	L		8.6557	0.0020	0.016	115		8.62	8.69					1							
81482	9.261	0.013	8.107	0.009		0.991	0.012	T	0.97	0.01	L		8.1682	0.0008	0.012	127		8.15	8.19		D			1							S
81483	8.604	0.010	6.791	0.005		1.540	0.009	T	2.49	0.03	O		6.5795	0.0045	0.036	106		6.52	6.65		U 2 C			1 S							S
81484	8.372	0.012	6.857	0.006		1.274	0.011	T	1.23	0.01	L		6.8894	0.0008	0.010	101		6.87	6.91					1							S
81485	9.190	0.018	8.692	0.017	A	0.500	0.495	G	0.48	0.04	L	*	8.7303	0.0017	0.012	86	*	8.71	8.76		C	16386−2408	I 1	2 C C	AB	240	5.471	0.048	3.76	0.21	
81486	8.887	0.014	7.142	0.007		1.455	0.012	T	1.46	0.02	L		7.1007	0.0013	0.008	73		7.09	7.12		C			1							S
81487	8.588	0.010	8.448	0.012		0.139	0.009	G	0.15	0.01	H		8.4826	0.0012	0.016	117		8.45	8.51					1							
81488	9.805	0.030	9.067	0.025		0.661	0.030	T	0.72	0.03	L		9.1060	0.0031	0.019	61		9.08	9.13					1							
81489	10.300	0.025	8.934	0.014		1.157	0.022	T	1.12	0.02	L		8.9864	0.0018	0.016	119		8.96	9.02		C			1							
81490	11.607	0.121	10.447	0.066		0.988	0.020	G	1.00	0.02	A		10.3916	0.0035	0.021	81		10.33	10.43					1							G
81491	9.281	0.017	8.060	0.011		1.043	0.016	T	1.01	0.01	L		8.1048	0.0016	0.013	98		8.08	8.13		C			1							S
81492	10.565	0.057	9.784	0.044	A	0.773	0.133	G	0.82	0.12	R	*	9.6499	0.0044	0.029	49	*	9.61	9.73		D	16387−3605	H 1	2 C D	AB	66	8.520	0.035	1.63	0.17	G D
81493	7.173	0.004	7.230	0.004		−0.048	0.005	T	−0.03	0.01	L		7.2247	0.0009	0.011	189		7.20	7.24		C			1							S
81494	9.057	0.011	8.596	0.011	A	0.435	0.015	T	0.50	0.02	L		8.6404	0.0064	0.022	152	A	8.61	8.68		D	16387+1613	I 2	1 C P D							S D
81495	9.261	0.026	8.724	0.025		0.511	0.027	T	0.58	0.03	L		8.7731	0.0045	0.019	48		8.75	8.80					1							
81496	11.466	0.071	10.778	0.060	B	0.635	0.077	T	0.70	0.07	L		11.1615	0.0455			B				D	16387+1613	I 2	1 C I D							D
81497	6.921	0.005	5.063	0.003		1.562	0.011	G	2.03	0.05	F		4.9375	0.0013	0.013	108		4.92	4.96		U 2	16387+4856	I 1	1 S							S
81498	8.897	0.012	8.261	0.011		0.585	0.012	T	0.66	0.01	L		8.3348	0.0014	0.012	106		8.31	8.36		C			1							
81499	8.864	0.015	6.678	0.006		1.806	0.013	T	1.83	0.01	L		6.5326	0.0011	0.008	70		6.52	6.55					1							S
81500	10.950	0.069	9.227	0.027		1.438	0.059	T	1.43	0.09	L		9.1833	0.0014	0.014	71		9.16	9.21		C			1							

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%) δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
81501	16 38 49.36	+02 33 34.2	8.63	H	249.705 681 86	+02.559 491 14	−0.45	−11.77	−5.29	1.20	0.70	1.41	1.15	0.88	−10	−54	− 5	+41	−18	−10	−15	+70	−11	− 1	0	1.27
81502 H	16 38 49.43	−56 56 15.2	9.06	H	249.705 954 14	−56.937 565 23 *	−0.18	−1.62	−10.53	2.59	1.89	1.98	1.53	1.45	− 1	− 7	−17	+20	− 7	− 9	− 6	+59	−30	− 5	0	0.01
81503	16 38 50.23	+00 44 04.8	10.88	H	249.709 287 59	+00.734 659 30	6.17	−26.45	−13.93	2.25	1.44	2.27	2.75	1.82	+14	−28	−19	+52	+14	−12	+13	+62	−12	+21	0	−0.05
81504	16 38 50.37	−34 20 57.9	9.10	H	249.709 860 72	−34.349 427 73	12.29	−71.08	−39.25	1.18	0.89	1.34	1.35	1.05	−11	−23	− 5	+ 3	− 1	+16	+ 3	+17	−14	−15	0	−0.51
81505	16 38 51.36	−00 50 05.6	8.32	H	249.713 985 33	−00.834 876 33	4.64	−6.05	16.05	1.17	0.90	1.16	1.45	1.38	−37	−18	+ 4	+48	−38	+ 8	−29	+72	+ 0	−54	0	0.30
81506	16 38 51.84	+14 03 58.3	9.17	3 H	249.716 017 68	+14.066 201 82 *	5.67	8.68	0.79	1.21	1.15	1.88	1.56	1.62	−44	− 4	−23	+37	−30	+25	−28	+61	−35	−34	0	1.86
81507	16 38 52.71	−60 59 25.1	6.16	H	249.719 617 92	−60.990 318 13	6.07	−3.66	−34.41	0.46	0.45	0.70	0.52	0.52	− 8	−23	−14	+ 6	−13	+ 2	− 8	+33	− 6	−23	0	1.25
81508	16 38 53.88	−44 09 25.9	7.53	2 H	249.724 516 83	−44.157 206 72	1.03	0.13	−3.38	0.89	0.86	1.05	1.15	1.06	−31	+13	−35	−25	+25	−26	+19	−35	+18	−38	0	0.55
81509	16 38 54.57	−06 06 41.6	9.82	G	249.727 359 31	−06.111 569 21	9.24	−2.28	−18.31	1.65	1.46	1.69	2.03	2.16	−54	− 7	−24	+41	−59	+16	−46	+78	−31	−71	0	−0.13
81510	16 38 55.29	−50 49 48.4	9.06	H	249.730 370 17	−50.830 113 06	7.90	−26.12	−73.18	1.11	1.02	1.46	1.48	1.33	+ 1	+ 5	−17	+22	+ 7	+ 1	+ 5	+36	−26	+ 8	6	0.48
81511	16 38 57.66	−47 24 03.0	8.54	H	249.740 265 26	−47.400 833 40	3.38	5.81	5.38	1.50	1.07	1.71	1.63	1.15	+12	−49	−33	+18	+31	+ 5	+31	+15	− 6	+ 4	0	0.46
81512	16 38 59.25	+45 35 24.0	9.23	H	249.746 886 61	+45.590 001 04	13.58	−43.91	−172.64	0.75	0.75	0.83	0.82	0.82	+19	− 4	+ 3	+ 5	+15	− 7	+16	+20	− 9	+19	0	0.24
81513	16 39 00.41	−22 02 38.8	9.23	G	249.751 697 25	−22.044 102 17	7.78	−12.23	−0.94	1.28	0.81	1.38	1.63	1.04	−27	−16	−15	+29	+ 3	+15	+ 9	+38	−27	−24	0	0.76
81514	16 39 01.11	−18 31 28.0	9.16	H	249.754 610 48	−18.524 440 29	4.19	−19.92	−3.85	1.26	0.82	1.44	1.33	1.07	−28	−25	+11	+ 0	− 4	− 4	+ 8	+28	−25	−36	0	1.32
81515	16 39 01.82	+21 41 16.9	7.95	H	249.757 572 07	+21.688 017 09	7.39	0.97	−29.04	0.62	0.59	0.91	0.63	0.67	+ 8	− 8	− 5	−46	− 1	+ 2	− 7	−11	+ 4	+24	1	0.95
81516	16 39 01.87	+50 49 47.1	7.03	H	249.757 785 22	+50.829 738 68	5.12	−26.23	36.90	0.48	0.46	0.54	0.53	0.47	+ 1	− 3	− 4	+17	+ 3	−12	+ 1	+ 3	− 6	− 7	0	1.18
81517	16 39 01.90	−48 44 49.8	8.51	H	249.757 924 82	−48.747 172 48	4.20	7.41	−12.69	1.19	1.09	1.45	1.65	1.26	−18	−10	−41	− 3	+22	− 4	+19	−13	+ 8	−31	0	0.50
81518	16 39 03.70	+13 04 37.5	9.74	H	249.765 413 38	+13.077 076 13	0.79	7.44	−14.40	1.03	0.84	1.32	1.43	1.23	−18	−10	− 1	+43	− 3	+ 5	− 4	+49	− 1	+ 1	1	0.17
81519 H	16 39 03.95	+60 41 59.3	8.23	3 H	249.766 469 95	+60.699 804 55 A	8.67	24.76	−58.37	1.29	1.36	1.24	1.55	1.55	− 8	− 4	+ 8	+18	− 8	+23	− 6	+19	− 5	−17	11	0.68
81520	16 39 04.39	−58 15 27.0	7.01	H	249.768 304 29	−58.257 509 61	46.13	−226.99	−285.49	0.65	0.54	0.91	0.67	0.64	+30	−38	−32	+26	+22	−20	+26	+58	−30	+25	2	1.34
81521	16 39 04.46	−27 58 56.2	8.14	H	249.768 594 03	−27.982 269 03	6.73	−46.31	−18.95	1.00	0.74	1.08	1.10	0.97	−36	−20	−20	+26	−31	+ 4	−17	+73	−28	−49	0	−1.47
81522	16 39 04.69	−42 48 52.8	10.47	H	249.769 557 45	−42.814 665 77	11.20	−23.50	−60.10	2.29	2.16	3.14	3.17	2.97	− 5	− 5	−55	+17	+17	− 6	+16	−17	+40	− 6	0	1.43
81523	16 39 05.24	−37 13 02.1	5.93	H	249.771 813 29	−37.217 263 33	7.51	−11.77	−43.93	0.81	0.58	0.93	0.81	0.68	− 4	−43	−10	− 9	− 1	− 1	+10	−16	−24	− 4	0	1.41
81524	16 39 05.95	+24 41 47.1	7.83	H	249.774 810 23	+24.696 426 82	11.23	−32.43	−94.76	0.37	0.69	1.01	0.46	0.79	+ 7	−18	−38	+ 3	− 1	− 2	−14	− 8	−11	0	0.62
*81525	16 39 06.66	+08 20 14.4	9.14	H	249.777 741 71	+08.337 322 25	4.84	−8.23	−15.76	1.17	0.95	1.37	1.32	1.23	+ 5	−41	−12	+37	− 7	− 8	− 5	+64	− 3	− 4	0	1.26
*81526	16 39 06.65	+32 53 21.3	11.24	H	249.777 699 08	+32.889 244 55	1.71	−31.68	−3.46	1.88	2.34	2.85	2.06	2.63	+11	−21	−13	+ 3	+ 8	− 4	+ 6	− 3	+ 5	+ 5	0	
81527	16 39 07.07	−28 54 14.2	8.55	H	249.779 458 21	−28.903 955 12	5.22	5.47	−26.11	1.23	0.96	1.35	1.41	1.35	−42	−18	−31	+33	−38	+10	−29	+81	−42	−44	0	0.01
81528	16 39 07.75	+77 52 09.2	8.03	H	249.782 278 13	+77.869 228 76	2.42	−86.62	92.70	0.59	0.79	0.73	0.63	1.09	+10	−26	−21	−20	− 6	+10	+ 0	−31	−13	+ 8	0	0.27
81529	16 39 08.96	+38 20 42.0	7.41	H	249.787 334 68	+38.344 992 43	5.95	− 7.34	− 4.83	0.54	0.64	0.71	0.65	0.85	+ 6	− 6	− 7	+ 6	+ 8	+13	+10	+15	+ 7	− 1	1	−0.03
81530	16 39 09.34	−75 29 19.1	8.00	2 H	249.788 904 82	−75.488 632 54	4.54	−17.10	−18.77	0.48	0.66	0.79	0.55	0.85	+12	−15	− 8	+ 1	− 3	−15	− 7	+ 8	+12	+ 7	0	0.90
81531	16 39 10.02	+06 40 23.9	8.52	H	249.791 730 19	+06.673 293 61	1.19	− 6.06	−33.06	1.06	0.75	1.22	1.04	0.99	−16	−45	− 6	+41	−26	− 3	−26	+61	+ 3	−24	0	−0.34
81532	16 39 11.84	−12 20 09.0	8.60	G	249.799 352 02	−12.335 828 79	9.98	35.74	−11.28	1.22	0.88	1.18	1.50	1.20	−24	−24	+ 8	+37	−22	−12	−23	+64	+ 8	−23	0	−0.57
81533	16 39 12.45	−47 18 35.7	9.16	H	249.801 880 10	−47.309 911 80	15.75	14.53	−125.34	1.57	1.11	1.79	1.73	1.21	+16	−48	−36	+18	+32	+ 6	+33	+16	− 5	+ 2	0	0.87
81534	16 39 12.69	+20 36 46.2	9.05	H	249.802 881 19	+20.612 842 01	4.96	2.48	− 7.19	0.97	0.80	1.35	1.11	1.02	+23	−36	−20	+23	+15	− 7	+16	+20	− 7	+26	0	−1.30
81535	16 39 12.97	+27 46 01.6	9.50	H	249.804 033 75	+27.767 107 59	3.86	−15.87	1.26	0.77	0.94	1.37	0.79	1.07	+ 3	−20	−14	−23	+ 8	+ 7	+ 9	+ 7	−13	+ 9	1	1.18
81536	16 39 13.39	+24 25 14.1	9.50	H	249.805 773 69	+24.420 594 58	2.35	− 1.04	−26.34	0.66	1.03	1.59	0.77	1.29	− 1	− 4	−27	+19	+ 2	− 1	+ 2	+20	−12	− 4	1	2.40
81537	16 39 13.84	+16 57 09.8	10.54	H	249.807 661 49	+16.952 717 89	1.03	3.96	− 1.81	2.29	1.86	3.20	3.16	2.59	+29	−23	− 8	+11	+22	−25	+23	+16	−28	+53	0	
81538	16 39 14.03	+52 37 14.4	12.01	3 H																						
81539	16 39 14.10	+68 19 16.0	8.26	H	249.808 731 14	+68.321 121 04	6.02	−13.13	−32.67	0.57	0.61	0.61	0.68	0.74	+ 2	− 3	−10	+ 3	− 9	+ 1	− 7	+26	−15	− 7	0	0.24
81540	16 39 14.47	+15 03 38.1	8.66	H	249.810 307 54	+15.060 569 51	14.04	−36.04	44.20	0.72	0.63	1.19	1.13	0.96	+ 6	−22	−10	+12	+19	−27	+14	+30	−31	+52	0	−0.34
81541	16 39 15.56	−01 45 28.7	7.50	H	249.814 839 78	−01.757 971 57	4.39	14.89	28.48	1.11	0.63	1.09	1.09	0.87	+ 5	−43	− 7	+48	+ 9	− 8	+16	+50	− 7	−16	0	0.30
81542	16 39 16.40	−29 55 27.3	7.14	G	249.818 343 06	−29.924 248 53	3.96	2.08	5.10	0.90	0.68	0.97	1.11	0.91	−44	+ 0	−14	+10	−30	−10	−30	+66	−23	−43	0	0.88
81543 H	16 39 17.43	+22 13 16.2	7.53	1 H	249.822 638 01	+22.221 166 22 *	5.02	−5.96	16.47	0.62	0.58	0.92	0.59	0.59	+ 9	+ 2	−15	−59	+ 3	− 5	− 6	−27	+ 2	+35	0	2.01
81544	16 39 17.90	+74 53 50.2	8.83	H	249.824 571 01	+74.897 290 10	1.56	−22.12	15.15	0.64	0.70	0.69	0.74	0.89	− 6	−11	− 1	−28	+12	− 7	+15	−22	− 9	−31	1	−0.50
81545	16 39 17.98	−34 52 41.4	9.23	H	249.824 909 85	−34.878 170 92	4.02	9.11	−14.92	1.14	0.93	1.34	1.16	1.06	−18	−27	− 4	−10	− 4	− 2	+ 2	−11	−25	−26	0	−0.92
*81546	16 39 19.23	−53 22 21.7	8.64	H	249.830 128 54	−53.372 692 14	1.04	2.77	−18.76	1.11	0.90	1.41	1.47	1.14	+12	−17	−14	+29	+33	− 9	+32	+49	−21	+14	0	−1.14
*81547	16 39 19.22	−44 39 07.2	9.71	H	249.830 076 07	−44.651 996 64	10.34	−58.87	−19.72	1.30	1.29	1.51	1.70	1.56	−28	− 1	−23	− 8	+17	+10	+25	−35	+ 3	− 9	0	0.85
81548	16 39 19.50	−54 42 18.7	9.12	H	249.831 239 31	−54.705 198 12	6.89	31.08	34.99	1.18	0.91	1.53	1.48	1.21	+41	−10	−23	+53	+33	+10	+39	+76	−37	+29	0	1.57
81549	16 39 19.73	−45 53 20.8	9.26	H	249.832 194 35	−45.889 118 77	2.68	− 0.44	− 6.26	1.38	1.08	1.79	1.20	1.03	+32	−62	−56	− 3	−15	+17	+ 8	+25	−21	−21	0	2.04
81550	16 39 20.19	+13 02 17.2	7.89	H	249.834 127 78	+13.038 115 53	2.89	11.49	−27.10	0.70	0.58	0.92	1.01	0.86	−24	− 5	+ 4	+48	− 6	+ 8	− 8	+55	+ 0	− 1	1	−0.32
81551	16 39 20.39	+35 31 56.2	8.16	1 H	249.834 938 05	+35.532 284 93	−0.07	6.07	−21.74	0.60	0.69	0.83	0.69	0.91	− 5	− 4	−17	− 5	+ 8	− 5	+ 9	− 2	+ 2	−29	0	0.16
81552	16 39 20.73	−30 27 53.1	7.59	G	249.836 387 27	−30.464 748 46	10.35	−20.68	1.09	0.96	0.65	1.05	1.13	0.83	−27	−25	− 6	+ 5	−14	−18	− 9	+54	− 8	−33	0	−0.44
81553	16 39 20.84	+25 30 45.6	9.98	H	249.836 814 26	+25.512 656 67	1.65	−22.85	−19.82	0.75	1.20	1.70	0.95	1.34	+13	−20	−37	+ 2	+ 2	− 9	− 1	− 9	− 4	− 5	0	2.02
81554 H	16 39 21.08	−70 10 06.8	9.29	2 G	249.837 822 49	−70.168 545 99 A	−0.07	0.29	− 5.45	2.56	2.60	3.50	2.48	2.95	+31	−22	−24	+ 4	− 1	− 1	− 3	+13	− 4	+32	1	2.02
81555	16 39 21.97	+22 00 22.3	6.76	H	249.841 557 80	+22.006 181 98	5.35	−43.10	−87.90	0.51	0.49	0.76	0.51	0.53	+ 6	− 8	−11	−53	+ 2	+ 2	− 5	−17	+ 3	+28	0	1.18
81556	16 39 23.40	+03 23 32.0	7.68	H	249.847 498 38	+03.392 220 75	1.54	− 3.71	7.18	0.97	0.58	1.02	0.97	0.67	− 1	−32	+ 5	+61	− 4	+ 2	− 3	+64	− 5	+ 3	0	0.74
81557	16 39 23.58	−52 32 09.4	9.09	1 H	249.848 243 99	−52.535 940 84	1.12	− 0.64	1.50	0.96	0.85	1.35	1.35	1.20	−20	− 7	−20	+32	− 6	− 9	+ 2	+60	−33	−41	0	−0.84
81558 H	16 39 24.07	−03 06 20.8	7.75	H	249.850 280 37	−03.105 764 63 A	4.98	−59.44	40.36	1.25	0.89	1.23	1.51	1.23	− 4	+10	+ 5	+14	+15	− 3	+17	+35	− 8	−10	1	1.12
81559	16 39 25.05	+18 11 36.1	9.55	H	249.854 394 91	+18.193 370 99	−1.24	− 0.40	7.29	1.09	0.91	1.45	1.44	1.28	+43	−16	+ 3	+33	+39	− 2	+40	+36	−17	+62	0	−0.13
81560	16 39 26.07	+29 13 05.3	7.26	H	249.858 636 48	+29.218 148 41	10.73	− 1.71	32.15	0.44	0.52	0.72	0.50	0.67	+10	+ 6	− 9	+ 7	+ 2	− 8	+ 1	+13	−14	+ 2	0	0.93
81561 H	16 39 28.07	−57 42 59.8	8.07	G	249.866 941 40	−57.716 611 18 A	11.25	−33.60	−19.36	1.23	1.09	1.70	1.25	1.19	+38	−26	−17	+31	+24	−19	+28	+65	−40	+41	2	−0.74
81562 T	16 39 29.55	−53 21 22.0	12.45	H	249.873 134 16	−53.356 110 62 B	8.05	−43.08	−67.82	128.81	88.96	2.56	2.97	2.38	+ 5	− 2	− 1	+ 1	+ 1	−13	+ 1	+ 1	−21	+24	4	0.65
81563	16 39 29.97	+50 34 07.0	11.88	G	249.874 884 20	+50.568 600 64	45.89	321.16	−403.03	1.73	1.64	1.98	1.88	1.74	− 6	− 9	+ 6	− 3	+ 5	−19	+ 7	−12	−16	− 1	3	−0.18
81564	16 39 30.90	+10 17 00.1	8.13	H	249.878 743 63	+10.283 354 85	3.05	−18.92	− 6.72	0.83	0.81	1.15	1.09	1.13	−48	+ 0	−25	+45	−50	+25	−48	+71	−34	−43	0	0.33
81565	16 39 31.18	−53 21 41.6	8.55	H	249.879 921 55	−53.361 553 08 A	8.05	−43.08	−67.82	2.61	2.15	2.56	2.97	2.38	+24	−21	− 7	+33	+40	−13	+42	+47	−21	+24	4	0.65
81566	16 39 31.56	−27 17 08.1	8.66	G	249.881 495 00	−27.285 577 56	4.31	1.23	−10.31	1.11	0.73	1.25	1.16	0.97	−42	−27	−16	+ 0	−29	+15	−10	+61	−36	−56	4	−3.09
81567	16 39 31.86	+26 08 55.1	9.15	1 H	249.882 757 89	+26.148 632 45	1.79	−11.12	−12.54	0.75	1.00	1.43	0.97	1.21	+17	−11	−12	− 3	+ 4	− 4	+ 3	− 5	+ 1	+13	0	0.48
81568	16 39 32.18	−78 34 32.0	9.19	H	249.884 086 24	−78.575 567 78	1.83	− 4.33	3.81	0.74	0.83	0.99	0.84	0.95	+ 5	− 5	+ 2	+12	− 7	+ 1	− 7	+10	+ 5	− 3	0	0.29
81569 H	16 39 33.53	−37 16 10.0	10.31	H	249.889 691 58	−37.269 457 68 A	6.31	22.08	−47.85	2.95	2.19	2.92	2.93	2.49	−14	−29	−16	−12	+ 9	+ 5	+13	− 6	−16	−21	3	0.12
81570	16 39 34.31	−60 13 15.7	8.70	H	249.892 965 74	−60.221 020 24	3.13	0.36	− 3.17	0.66	0.66	0.96	0.84	0.82	−17	− 9	−21	+32	−30	+11	−24	+49	−15	−36	0	0.11
81571	16 39 34.62	+12 17 47.0	8.39	H	249.894 240 94	+12.296 401 13	7.90	−11.16	18.30	0.79	0.61	1.01	1.15	0.87	−16	− 7	+16	+47	+ 4	+ 3	+ 2	+49	+ 9	+12	1	1.42
*81572	16 39 35.22	−07 30 44.3	7.46	H	249.896 737 76	−07.512 302 71	9.56	−20.02	− 5.57	1.04	0.83	1.19	1.38	1.31	−41	−20	−32	+35	−50	+18	−28	+76	−40	−64	0	0.74
*81573	16 39 35.19	+36 29 30.0	9.15	H	249.896 620 67	+36.491 662 67	3.57	− 3.15	3.57	0.74	0.85	1.04	0.81	1.07	− 4	− 8	− 6	+ 1	+13	− 4	+15	+ 1	−20	−11	0	0.62
81574 H	16 39 35.69	−52 25 02.7	7.95	H	249.898 690 01	−52.417 409 56 A	1.46	− 0.54	− 0.31	1.21	1.09	1.66	1.61	1.44	−14	− 2	−24	+21	− 4	+ 4	+ 8	+52	−40	−48	2	0.84
81575	16 39 36.31	+23 00 06.3	7.54	H	249.901 288 35	+23.001 749 10 A	6.24	32.58	−25.46	2.92	2.99	3.30	2.30	2.88	− 3	− 4	− 4	−56	+11	+ 1	+10	−29	− 7	+10	1	−0.30
81576	16 39 36.54	+35 04 19.7	8.20	H	249.902 254 94	+35.072 146 63	3.05	3.91	−25.48	0.63	0.67	0.84	0.70	0.84	+10	−12	−15	+13	+11	− 1	+12	+10	− 6	−11	0	−1.60
81577	16 39 37.53	+23 00 06.1	8.25	G	249.906 366 50	+23.001 704 93 B	6.46	26.60	−21.99	11.30	12.78	9.78	6.50	8.44	+ 1	− 8	− 8	−44	+12	+ 3	+13	−12	−10	+ 7	1	−0.30
81578	16 39 37.71	+34 16 47.0	11.00	G	249.907 142 32	+34.279 726 85	3.94	−139.12	180.65	1.14	1.29	1.57	1.30	1.68	+ 5	− 5	− 5	+13	+ 5	+ 3	+ 5	− 3	−17	− 2	1	1.93
81579	16 39 37.76	+14 01 07.0	9.14	H	249.907 342 93	+14.018 603 58	2.39	− 2.41	−13.80	0.89	0.85	1.25	1.23	1.16	−32	− 8	−21	+40	−19	+18	−16	+59	−29	−22	1	3.08
81580	16 39 39.12	−09 33 15.2	6.33	H	249.913 011 57	−09.554 232 66	23.02	11.28	−146.76	0.86	0.55	0.89	1.04	0.82	−10	−35	+ 9	+27	+17	−13	+11	+35	+25	−13	0	−1.18
81581	16 39 40.18	−56 56 05.3	8.32	H	249.917 403 49	−56.934 791 75	3.82	10.62	−26.28	0.79	0.63	1.15	0.84	0.75	+ 9	−27	−22	+15	−10	− 7	+ 2	+62	−29	− 6	0	−0.17
81582	16 39 40.98	−25 00 30.5	9.31	G	249.920 743 17	−25.008 470 42	6.62	−10.58	− 8.35	1.25	0.79	1.34	1.77	1.06	−16	+ 4	+ 0	+25	+ 9	+17	+ 8	+56	−12	−19	4	0.38
81583	16 39 42.43	+54 23 28.7	8.49	G	249.926 811 94	+54.391 300 76	5.98	− 2.86	13.76	0.63	0.62	0.69	0.73	0.76	+ 2	+ 3	− 6	+18	+ 2	+23	+ 3	+15	− 4	− 8	0	0.04
81584 H	16 39 42.46	−03 37 10.3	8.41	G	249.926 919 15	−03.619 537 33 A	5.80	− 6.73	− 1.54	1.97	1.23	1.67	2.43	1.71	−23	−19	− 4	+36	+12	− 7	+22	+45	−24	+ 3	1	−0.25
81585	16 39 43.30	−50 12 45.8	7.28	H	249.930 396 92	−50.212 724 48	6.52	17.64	−23.15	0.88	0.89	1.01	1.05	1.01	−37	−17	−13	+ 4	+12	+ 7	+ 9	+14	+ 2	−20	0	−1.04
81586	16 39 43.87	−32 59 28.3	9.11	H	249.932 771 42	−32.991 185 51	4.09	−25.31	1.08	1.20	0.90	1.32	1.31	1.06	−15	−33	−18	+ 5	−18	+ 7	−10	+29	− 8	−40	0	−0.28
81587	16 39 44.01	+23 12 26.2	8.58	H	249.933 356 62	+23.207 272 99	5.70	− 2.55	− 3.66	0.74	0.81	1.19	0.67	0.91	− 7	+ 0	− 8	−50	+15	− 6	+11	−18	−17	+14	1	0.90
81588	16 39 44.26	+11 39 15.5	9.37	H	249.934 423 35	+11.654 302 11	13.23	−77.69	6.75	1.17	1.03	1.44	1.49	1.37	−41	−10	− 1	+43	−25	+11	−28	+60	− 1	−24	0	1.65
81589 H	16 39 44.74	−56 59 39.8	6.73	3 H	249.936 397 11	−56.994 375 30 A	12.44	− 4.41	−13.28	1.72	1.33	2.03	1.75	1.49	+33	−12	− 9	+33	+30	+11	+32	+66	−18	+33	13	4.39
81590	16 39 45.17	+35 30 55.6	7.64	H	249.938 210 34	+35.515 445 70	5.66	− 4.18	26.01	0.52	0.59	0.71	0.57	0.77	−11	− 4	−14	−15	+10	+ 0	+13	− 8	− 4	−32	0	−0.75
81591	16 39 45.80	+38 11 48.4	8.24	H	249.940 819 41	+38.196 789 23	5.17	28.57	−73.06	0.61	0.79	0.86	0.71	0.99	+ 4	− 7	−20	− 8	+ 3	+11	+ 8	+ 5	−15	−11	1	−0.80
81592	16 39 46.85	−51 59 38.8	7.61	H	249.945 212 05	−51.994 107 68 A	31.23	109.85	−43.46	1.91	1.61	2.21	2.30	1.98	−19	+ 2	−26	+29	−15	+ 8	− 3	+59	−39	−51	7	2.09
81593	16 39 46.86	+66 20 32.1	10.00	H	249.945 251 47	+66.342 240 67	9.23	−137.62	110.19	0.95	1.02	1.01	1.17	1.29	− 6	− 2	− 6	− 3	−10	−12	− 6	+40	−14	−15	0	−0.19
81594	16 39 47.53	−51 59 59.2	9.06	H	249.948 042 38	−51.999 782 24 B	12.38	108.24	−36.66	24.20	17.71	8.81	9.91	8.83	−27	+ 3	−21	+ 6	−11	+ 3	+ 5	+48	−35	−56	7	2.09
81595	16 39 47.61	−37 45 02.9	9.06	H	249.948 370 92	−37.750 806 41	5.36	−22.75	3.80	1.31	0.96	1.50	1.44	1.18	−17	−39	− 6	+ 0	+ 9	+ 8	+18	− 3	−23	−16	0	0.62
81596	16 39 47.83	+34 37 31.4	7.82	H	249.949 307 07	+34.625 381 62	4.32	−21.22	1.44	0.56	0.63	0.78	0.63	0.79	+ 4	+ 1	−16	+11	− 1	+11	+ 0	+ 8	−11	−10	1	−0.89
81597	16 39 48.24	−73 01 47.2	10.31	H	249.951 001 43	−73.029 769 19	−0.74	− 7.82	−10.39	0.86	1.35	1.67	0.96	1.58	+21	−19	+12	− 4	− 7	+ 6	− 9	− 8	+10	+32	1	2.45
81598	16 39 49.92	+05 30 28.6	8.62	G	249.958 020 26	+05.507 946 53	26.39	99.89	−302.94	1.62	0.95	1.45	1.99	1.23	+ 4	−35	− 9	+65	+ 1	− 7	+17	+ 6	−67	+18	0	1.48
81599 H	16 39 50.67	−47 06 24.1	8.57	G	249.961 140 93	−47.106 685 61 *	0.76	− 0.77

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
81501	10.717	0.043	8.787	0.016		1.602	0.036	T	1.62	0.04	L	8.7439	0.0016	0.014	128		8.72	8.78		C			1							
81502	10.205	0.022	9.235	0.016	*	0.852	0.020	T	0.87	0.01	L *	9.2181	0.0020	0.019	168	*	9.18	9.25		D	16388−5656	H 1	2 C A	AB	161	0.275	0.011	1.67	0.11	
81503	11.409	0.097	10.639	0.072		0.685	0.092	T	0.74	0.08	L	11.0133	0.0050	0.047	99		10.92	11.08					1							G
81504	9.918	0.037	9.167	0.031		0.671	0.037	T	0.73	0.03	L	9.2361	0.0018	0.018	48		9.21	9.27		D			1							
81505	9.746	0.025	8.450	0.015		1.115	0.020	G	1.08	0.02	K	8.4899	0.0020	0.014	82		8.47	8.51		C			1							S
81506	11.125	0.057	9.472	0.023		1.408	0.051	T	3.37	0.41	O	8.9694	0.1583	0.807	110		8.49	10.81	267.10	P 1 B			1 V							G P
81507	6.057	0.003	6.146	0.003		−0.073	0.002	G	−0.05	0.00	H	6.1422	0.0008	0.006	134		6.13	6.16					1							S
81508	7.786	0.016	7.579	0.020		0.198	0.024	T	0.22	0.03	L	7.5963	0.0192	0.095	52		7.53	7.79	1.27	P 1 A			1							S
81509	10.583	0.047	9.917	0.041		0.698	0.020	G	0.75	0.02	H	9.9614	0.0028	0.021	83		9.89	10.00					1							
81510	9.651	0.025	9.100	0.024		0.522	0.026	T	0.59	0.03	L	9.1784	0.0036	0.023	74		9.13	9.22					1							
81511	10.276	0.046	8.703	0.022		1.319	0.040	T	1.28	0.05	L	8.6938	0.0025	0.019	56		8.67	8.72		C			1							
81512	10.018	0.023	9.302	0.019		0.658	0.024	T	0.72	0.02	L	9.3612	0.0021	0.017	115		9.33	9.39		C			1							
81513	9.869	0.026	9.270	0.024		0.532	0.020	G	0.60	0.02	H	9.3530	0.0015	0.014	86		9.33	9.38					1							
81514	10.003	0.032	9.246	0.026		0.760	0.015	G	0.80	0.01	H	9.3037	0.0024	0.018	68		9.27	9.34		C			1							
81515	8.686	0.009	8.029	0.008		0.610	0.010	T	0.68	0.01	L	8.0792	0.0012	0.016	186		8.05	8.11					1							S
81516	8.354	0.010	7.138	0.006		1.039	0.009	T	1.01	0.01	L	7.2022	0.0009	0.009	130		7.18	7.22		C			1							S
81517	10.248	0.050	8.725	0.026		1.280	0.044	T	1.24	0.05	L	8.6662	0.0028	0.013	48		8.63	8.69					1							
81518	11.369	0.062	9.904	0.027		1.234	0.053	T	1.19	0.05	L	9.9080	0.0025	0.028	166		9.85	9.96					1							
81519	9.060	0.019	8.273	0.016	*	0.714	0.019	T	0.77	0.02	L *	8.3754	0.0064	0.074	105	*	8.33	8.69		P 1 A	16391+6042	I 1	2 C A	AB	5	8.248	0.005	0.97	0.03	S P
81520	7.755	0.006	7.089	0.004		0.616	0.006	G	0.70	0.02	A	7.1436	0.0009	0.009	140		7.13	7.16		C			1							S
81521	8.939	0.011	8.248	0.010		0.626	0.011	T	0.69	0.01	L	8.2738	0.0014	0.011	122		8.26	8.29		C			1							
81522	11.389	0.118	10.600	0.092		0.716	0.116	T	0.77	0.10	L	10.6170	0.0062	0.034	37		10.56	10.70					1							G
81523	5.896	0.004	5.918	0.005		−0.035	0.003	G	−0.01	0.00	H	5.9293	0.0009	0.006	53		5.92	5.94		C	16391−3713	I 1	1 S							S
81524	8.339	0.006	7.877	0.005		0.435	0.007	T	0.50	0.01	L	7.9322	0.0009	0.013	251		7.91	7.96					1							S
81525	9.618	0.024	9.127	0.023		0.462	0.030	T	0.53	0.03	L	9.2413	0.0024	0.020	79		9.21	9.27					1							
81526	11.988	0.124	11.149	0.090		0.754	0.116	T	0.80	0.08	L	11.3823	0.0063	0.050	126		11.28	11.46					1 X S							G
81527	10.007	0.025	8.712	0.015		1.101	0.023	T	1.06	0.02	L	8.7204	0.0016	0.014	102		8.70	8.74		C			1							
81528	9.427	0.018	8.173	0.011		1.080	0.015	G	1.04	0.01	H	8.1980	0.0011	0.012	98		8.18	8.22					1							
81529	7.599	0.006	7.434	0.008		0.158	0.009	T	0.17	0.01	L	7.4667	0.0011	0.011	123		7.44	7.49		C	16390+3820	I 1	1							S
81530	8.048	0.007	8.014	0.009		0.036	0.011	T	0.05	0.01	L	8.0167	0.0017	0.023	150		7.99	8.21	2.43	P 1 A			1							
81531	9.948	0.026	8.660	0.015		1.096	0.023	T	1.06	0.02	L	8.6908	0.0013	0.013	80		8.67	8.72					1							
81532	9.136	0.021	8.616	0.019		0.480	0.015	G	0.55	0.02	H	8.7004	0.0019	0.016	65		8.68	8.73					1							
81533	10.042	0.039	9.176	0.030		0.759	0.038	T	0.80	0.03	L	9.3027	0.0037	0.018	55		9.27	9.33					1							
81534	9.440	0.017	9.106	0.018		0.317	0.023	T	0.37	0.03	L	9.1322	0.0018	0.019	107		9.10	9.18		C			1 S							
81535	9.940	0.019	9.531	0.021		0.387	0.026	T	0.45	0.03	L	9.5845	0.0025	0.024	163		9.54	9.63					1							
81536	11.001	0.038	9.602	0.019		1.183	0.033	T	1.14	0.03	L	9.6658	0.0024	0.032	197		9.62	9.72		C			1							
81537	11.987	0.125	10.546	0.055		1.216	0.107	T	1.18	0.10	L	10.7046	0.0036	0.034	120		10.60	10.75					1 X S							G
81538						1.142	0.024	G	1.23	0.03	I	12.1366	0.2022	0.919	50		10.28	13.02		U	16392+5237	I 1	S							G
81539	8.862	0.011	8.309	0.010		0.518	0.013	T	0.59	0.01	L	8.3732	0.0014	0.012	107		8.36	8.40		C			1							S
81540	9.426	0.015	8.746	0.014		0.629	0.017	T	0.70	0.01	L	8.7897	0.0017	0.019	136		8.76	8.83		C			1							
81541	9.440	0.018	7.661	0.009		1.482	0.016	T	1.50	0.02	L	7.6262	0.0014	0.011	91		7.61	7.64		C			1							S
81542	7.452	0.006	7.184	0.007		0.260	0.002	G	0.29	0.00	H	7.2165	0.0011	0.009	91		7.20	7.23		C			1							S
81543	8.546	0.008	7.632	0.006	*	0.810	0.007	T	0.84	0.01	L *	7.6869	0.0012	0.016	193	*	7.66	7.72		U 2	16393+2213	H 1	2 C S B	AB	222	0.127	0.031	1.18	1.00	S
81544	10.150	0.029	8.965	0.017		1.015	0.026	T	0.99	0.02	L	8.9920	0.0016	0.014	92		8.97	9.02		C			1							
81545	9.710	0.026	9.294	0.027		0.407	0.031	T	0.47	0.03	L	9.3247	0.0028	0.019	62		9.29	9.36					1							
81546	10.405	0.039	8.790	0.018		1.352	0.034	T	1.32	0.04	L	8.7969	0.0021	0.019	118		8.76	8.83			16393−5322	I 1	1 S							
81547	10.505	0.052	9.782	0.045		0.650	0.052	T	0.71	0.05	L	9.8476	0.0039	0.026	54		9.81	9.88					1							G
81548	9.889	0.016	9.195	0.015		0.628	0.017	T	0.70	0.01	L	9.2549	0.0018	0.019	164		9.23	9.30					1							
81549	10.094	0.042	9.353	0.036		0.663	0.042	T	0.72	0.04	L	9.3966	0.0023	0.016	51		9.37	9.42		D			1 S							G
81550	9.210	0.011	8.002	0.007		1.033	0.010	T	1.01	0.01	L	8.0539	0.0010	0.014	179		8.02	8.08					1							S
81551	10.290	0.026	8.349	0.010		1.610	0.022	T	1.63	0.02	L	8.2732	0.0023	0.019	139		8.24	8.30		U			1							
81552	8.342	0.012	7.670	0.011		0.611	0.012	T	0.68	0.01	L	7.7183	0.0015	0.008	72		7.70	7.74		C			1							S
81553	10.873	0.033	10.073	0.027		0.724	0.033	T	0.78	0.02	L	10.1232	0.0027	0.034	219		10.06	10.18					1 S							
81554	9.449	0.011	9.388	0.014	*	0.049	0.015	G	0.06	0.01	H *	9.3099	0.0029	0.036	276	*	9.25	9.37	3.55	P 1 A	16394−7010	I 1	2 C A	AB	77	0.609	0.003	0.51	0.02	
81555	8.457	0.008	6.919	0.004		1.292	0.007	T	1.25	0.01	L	6.9200	0.0010	0.012	202		6.90	6.94					1							S
81556	9.671	0.021	7.832	0.009		1.530	0.018	T	1.57	0.04	L	7.7987	0.0015	0.011	103		7.78	7.82					1							
81557	9.050	0.014	9.098	0.019		0.006	0.004	G	0.03	0.00	H	9.0969	0.0023	0.024	134		9.05	9.13		U			1							
81558	9.532	0.035	7.844	0.014	*	1.410	0.030	T	1.39	0.04	L *	7.8893	0.0015	0.011	82	*	7.87	7.91		R	16394−0306	I 1	2 C A	AB	235	4.400	0.009	2.65	0.05	S
81559	10.058	0.026	9.586	0.025		0.445	0.033	T	0.51	0.04	L	9.6451	0.0028	0.024	119		9.59	9.69		C			1							
81560	7.470	0.005	7.273	0.005		0.188	0.007	T	0.21	0.01	L	7.3174	0.0012	0.011	166		7.30	7.34					1							S
81561	8.574	0.008	8.120	0.008	*	0.443	0.004	G	0.51	0.00	H *	8.1663	0.0015	0.015	162	*	8.15	8.19			16395−5743	H 1	2 C C	AB	45	0.699	0.048	3.83	0.16	
81562											T	12.3261	0.5096			B				D	16395−5322	I 2	1 C F D							D
81563						1.770	0.020	G	3.06	0.05	I	11.9129	0.0054	0.048	106		11.79	11.99					1							G
81564	9.729	0.021	8.250	0.011		1.245	0.019	T	1.20	0.02	L	8.2887	0.0014	0.013	113		8.27	8.31		C			1							
81565	9.601	0.021	8.617	0.016	A	0.862	0.019	T	0.87	0.01	L	8.7082	0.0245	0.017	110	A	8.68	8.73		D	16395−5322	I 2	1 C P D							D
81566	8.980	0.011	8.728	0.012		0.246	0.013	G	0.28	0.02	H	8.7470	0.0020	0.015	127		8.72	8.78					1							
81567	11.073	0.042	9.288	0.016		1.487	0.036	T	1.51	0.05	L	9.2738	0.0030	0.032	172		9.21	9.33		U			1							
81568	10.741	0.043	9.314	0.021		1.205	0.038	T	1.16	0.04	L	9.3558	0.0019	0.022	136		9.31	9.40		C			1							
81569	11.237	0.082	10.432	0.067	A						T *	10.4661	0.0041	0.023	59	*	10.42	10.52		D	16396−3716	I 1	2 C D	AB	311	3.372	0.084	2.98	0.25	G D
81570	8.791	0.009	8.712	0.012		0.078	0.014	T	0.09	0.01	L	8.7355	0.0018	0.019	155		8.70	8.78					1							
81571	8.874	0.009	8.436	0.009		0.435	0.015	G	0.50	0.02	H	8.4851	0.0014	0.015	163		8.46	8.51		C			1							S
81572	7.908	0.011	7.501	0.010		0.385	0.014	T	0.45	0.01	L	7.5470	0.0010	0.008	80		7.53	7.56		C			1							S
81573	10.348	0.030	9.256	0.019		0.920	0.015	G	0.92	0.01	I	9.2997	0.0021	0.023	134		9.26	9.34		C			1							
81574	10.406	0.032	8.213	0.010	A	1.700	0.495	G	1.68	0.51	J *	8.0621	0.0020	0.015	135	*	8.04	8.08			16396−5225	I 1	2 C C	AB	288	2.441	0.062	3.95	0.22	
81575	7.965	0.008	7.564	0.009	A	0.379	0.011	T	0.44	0.01	L	7.6322	0.0274	0.136	142	A	7.48	7.86		D	16396+2300	I 2	1 C P B							S
81576	9.422	0.016	8.296	0.011		0.969	0.015	T	0.95	0.01	L	8.3634	0.0019	0.018	128		8.34	8.39		C			1							S
81577	8.595	0.011	8.220	0.011	B	0.366	0.015	G	0.43	0.02	H	8.3636	0.0437			B				D	16396+2300	I 2	1 C I B							S
81578	11.479	0.070	11.121	0.089		0.600	0.020	G	0.67	0.02	H	11.1275	0.0044	0.044	137		11.04	11.19					1							G
81579	10.807	0.042	9.229	0.018		1.323	0.036	T	1.28	0.04	L	9.2955	0.0016	0.021	133		9.25	9.34					1							
81580	6.898	0.006	6.385	0.005		0.492	0.006	T	0.56	0.01	L	6.4355	0.0009	0.006	70		6.42	6.45					1							S
81581	9.742	0.016	8.457	0.010		1.093	0.015	T	1.05	0.02	L	8.4859	0.0012	0.017	184		8.46	8.52					1							
81582	9.779	0.025	9.333	0.026		0.391	0.020	G	0.46	0.02	H	9.4056	0.0026	0.024	96		9.37	9.44					1							
81583	8.728	0.010	8.511	0.012		0.210	0.015	G	0.23	0.02	H	8.5593	0.0014	0.012	117		8.54	8.59		C			1							S
81584	8.859	0.014	8.486	0.015	A	0.241	0.180	G	0.35	0.04	L *	8.4923	0.0014	0.011	79	*	8.48	8.51			16397−0337	I 1	2 C A	AB	338	1.352	0.027	2.73	0.08	
81585	8.560	0.014	7.395	0.010		1.000	0.013	T	0.98	0.01	L	7.4414	0.0016	0.010	51		7.42	7.46					1							S
81586	9.990	0.035	9.200	0.028		0.701	0.034	T	0.76	0.03	L	9.2488	0.0029	0.015	63		9.23	9.27		C			1							
81587	9.125	0.013	8.636	0.013		0.460	0.017	T	0.53	0.02	L	8.6833	0.0024	0.018	146		8.65	8.72					1							S
81588	10.221	0.028	9.514	0.025		0.651	0.031	T	0.71	0.03	L	9.5022	0.0024	0.026	105		9.46	9.54					1							
81589	7.826	0.008	7.792	0.010	B	−0.060	0.440	G	0.05	0.04	L *	6.7424	0.0101	0.079	182	*	6.64	6.88		P 1 A	16397−5700	I 1	2 C D	AB	122	3.595	0.004	0.70	0.02	S W
81590	7.761	0.006	7.645	0.007		0.098	0.003	G	0.11	0.00	H	7.6791	0.0014	0.014	132		7.66	7.70					1							S
81591	9.441	0.016	8.336	0.011		0.953	0.015	T	0.94	0.01	L	8.4031	0.0015	0.018	126		8.37	8.43					1							S
81592	8.447	0.010	7.679	0.008	A	0.700	0.010	T	0.75	0.01	L	7.7413	0.0214	0.043	136	A	7.63	7.79		D	16398−5200	I 2	1 C P A							
81593	10.836	0.054	10.103	0.044		0.657	0.053	T	0.72	0.05	L	10.1345	0.0031	0.022	89		10.10	10.17		C			1							
81594	10.018	0.049	8.876	0.031	B	0.982	0.045	T	0.96	0.04	L	8.9820	0.0547			B				D	16398−5200	I 2	1 C I A							
81595	10.565	0.051	9.231	0.027		1.132	0.045	T	1.10	0.05	L	9.2224	0.0033	0.016	57		9.19	9.25		C			1							
81596	9.062	0.013	7.922	0.009		0.980	0.012	T	0.96	0.01	L	7.9831	0.0016	0.014	137		7.96	8.00					1							S
81597	11.429	0.059	10.434	0.037		0.870	0.052	T	0.88	0.04	L	10.4704	0.0031	0.032	183		10.41	10.53		C			1 S							G
81598	9.746	0.024	8.727	0.017		0.876	0.002	G	0.92	0.00	H	8.7557	0.0022	0.016	83		8.72	8.78					1							
81599	10.189	0.043	8.718	0.022	*	1.456	0.022	G	1.43	0.02	H *	8.7110	0.0046	0.031	54	*	8.65	8.75		R	16398−4706	H 1	2 C S B	AB	182	0.139	0.028	1.51	0.88	
81600	8.528	0.011	8.417	0.014		0.108	0.017	T	0.12	0.02	L	8.4388	0.0018	0.019	82		8.41	8.47					1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)												Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$		F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr													%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
81601	16 39 52.21	+21 14 16.7	8.19	H	249.967 535 50	+21.237 975 65		3.86	−1.51	−9.44	0.81	0.70	1.04	1.12	1.01	+23	−30	−16	−10	+	1	−	7	+	0	−13	−	5	+29	0	0.41
81602	16 39 53.46	+16 49 31.2	8.08	H	249.972 762 16	+16.825 345 90		2.52	−15.44	−13.18	0.75	0.62	1.11	1.19	0.94	+23	−23	−11	+12	+19	−31	+17	+28	−35	+56					0	0.16
81603 H	16 39 53.56	−35 15 38.1	8.78	G	249.973 174 58	−35.260 573 61	A	16.36	119.43	−105.36	2.07	1.68	2.03	1.87	1.70	−	5	−20	−14	+	4	−10	+	4	+	5	−	6	−30	−31	0	−1.06
81604	16 39 56.42	−61 09 28.2	7.61	1 H	249.985 095 05	−61.157 826 07		3.80	−4.31	−9.57	0.60	0.57	0.93	0.69	0.69	+14	−19	−14	+14	+	8	+15	+	9	+38	+	4	+15	0	−0.33
81605	16 39 56.70	+37 31 03.5	8.61	H	249.986 266 52	+37.517 647 19		22.69	33.66	28.75	0.69	0.80	0.95	0.78	1.00	+13	−	4	+	2	−	1	−	4	−27	−	4	−	9	+	7	−	1	0	−0.18
81606 H	16 39 56.88	−47 47 00.4	7.27	G	249.986 996 52	−47.783 441 78	A	13.96	−36.72	−58.81	2.42	1.68	2.20	2.41	1.69	−12	−40	−21	+16	−	1	−	4	+11	+34	−	2	−38	2	0.01
81607	16 40 00.66	+25 32 07.0	8.31	1 H	250.002 740 00	+25.535 274 89		3.14	−7.49	−6.52	0.51	0.77	1.10	0.65	0.90	+	6	−18	−23	−	4	−	1	−	5	−	1	−	6	−	7	−	5	1	−2.29
81608	16 40 01.81	−06 04 51.7	6.72	H	250.007 532 03	−06.081 018 71		13.91	−28.79	−98.66	0.97	0.87	1.00	1.22	1.31	−59	−	3	−24	+38	−59	+11	−49	+77	−33	−70				0	−0.91
81609	16 40 03.81	+39 45 32.7	10.67	H	250.015 885 51	+39.759 080 05		0.99	−0.14	−2.26	1.14	1.25	1.43	1.27	1.51	+10	+	8	+	5	−23	−	6	−21	−	6	−13	−10	+	7	4	−0.67
81610	16 40 04.58	−14 37 49.0	9.55	H	250.019 094 27	−14.630 274 76		10.61	−24.02	−27.19	1.43	1.02	1.47	1.79	1.41	−	9	−20	−	5	+36	+	1	+16	+	9	+51	−13	−31	0	0.78
81611	16 40 06.11	−57 18 18.3	7.70	H	250.025 467 19	−57.305 075 22		3.04	−7.71	−15.89	0.72	0.59	1.12	0.79	0.72	+16	−23	−23	+20	−	4	−13	+	6	+60	−34	+	3	0	−0.82
81612	16 40 07.59	+58 07 12.8	8.25	G	250.031 638 95	+58.120 214 78		9.11	4.25	−7.78	0.65	0.64	0.69	0.76	0.84	+14	+	0	−	7	+	6	+	2	+	7	+	5	−	5	+17	+28	0	0.91
81613	16 40 08.34	−53 34 24.9	8.58	H	250.034 758 24	−53.573 591 44		−0.36	−0.39	−4.02	1.10	0.82	1.33	1.46	1.12	+31	−25	−22	+41	+40	−11	+43	+53	−29	+23				0	−1.80
81614	16 40 09.15	+28 20 21.2	10.20	H	250.038 107 35	+28.339 223 05		−1.31	2.40	−16.36	0.98	1.25	1.70	1.23	1.58	+20	−13	−	6	+	1	+	2	+12	+	5	+25	−	7	+13	1	2.46
81615	16 40 09.20	−72 13 07.6	8.13	H	250.038 345 28	−72.218 772 74		3.96	5.57	16.48	0.47	0.67	0.86	0.52	0.77	+21	−15	+12	−11	−14	−12	−14	−15	+10	+26				0	0.30
81616	16 40 10.66	−28 56 24.2	6.89	1 H	250.044 397 56	−28.940 059 72		4.22	−32.39	−27.45	1.01	0.80	1.07	1.18	1.07	−50	−	9	−26	+37	−42	+20	−33	+77	−40	−53			0	−0.68
81617	16 40 11.85	−26 27 13.8	8.58	H	250.049 388 37	−26.453 839 06		10.78	1.52	−28.02	1.07	0.65	1.17	1.13	0.82	−28	−38	+	2	+20	−14	−16	−	1	+59	−14	−34		2	0.32
*81618	16 40 12.26	+17 42 25.9	7.21	H	250.051 063 55	+17.707 195 62		2.93	19.82	6.79	0.71	0.59	0.94	1.12	0.88	+41	−22	−	9	+25	+34	−25	+31	+37	−28	+70			2	0.21
*81619 H	16 40 12.19	−27 59 50.4	8.37	H	250.050 806 42	−27.997 344 01	*	6.96	−44.72	−72.29	22.47	6.83	2.26	2.17	1.58	−94	−	6	+	1	−	6	+	7	+27	+14	−	1	−51	−26	2	−1.17
81620	16 40 12.92	−33 44 36.8	6.55	H	250.053 837 12	−33.743 552 66		0.94	5.37	−8.65	0.77	0.62	0.84	0.78	0.68	−21	−32	−10	+21	−21	+10	−14	+37	−14	−37				0	2.46
81621	16 40 13.26	−26 19 19.7	7.91	H	250.055 235 34	−26.322 149 94		4.83	22.11	−14.85	0.95	0.59	1.06	1.01	0.78	−34	−34	−	9	+21	−19	+	3	−	2	+59	−32	−41	0	−0.86
81622	16 40 13.47	+07 37 33.6	8.31	2 H	250.056 125 52	+07.625 992 14		2.65	−3.05	−3.86	1.06	0.83	1.20	1.18	1.07	−20	−41	−	6	+44	−23	−16	−21	+62	−	1	−27		0	0.42
81623	16 40 15.43	+37 21 20.4	7.77	H	250.064 308 65	+37.355 674 01		2.04	1.19	−9.54	0.62	0.68	0.81	0.70	0.80	+	8	−	2	−15	+10	+14	−19	+11	−11	−	5	+	1	3	−0.64
81624 H	16 40 17.93	−23 53 45.0	8.79	G	250.074 697 36	−23.895 841 34	A	6.66	−8.17	−17.24	1.77	0.97	1.68	1.69	1.17	−14	−43	−10	−	3	+20	−18	+26	+24	−13	−34			3	−0.08
81625	16 40 18.75	+84 27 26.5	8.46	H	250.078 139 25	+84.457 350 80		2.10	−6.22	8.30	0.59	0.61	0.67	0.66	0.76	+	8	−20	−12	−	5	−	3	+	5	−	3	+	3	+	5	+	4	0	−0.02
81626	16 40 19.63	+15 40 20.2	11.79	G	250.081 771 16	+15.672 281 12		12.11	−192.61	−179.09	1.96	1.53	2.95	3.08	2.35	+19	−18	−	5	+19	+30	−22	+31	+18	−27	+56			0	0.27
81627	16 40 21.37	+70 14 15.4	7.93	H	250.089 022 02	+70.237 624 88		7.34	−21.05	−20.75	0.62	0.58	0.62	0.79	0.67	+15	−	6	−13	−17	−	1	−	7	−	2	−	4	−	7	+21		0	0.63
81628	16 40 25.82	+44 01 43.9	8.27	H	250.107 563 01	+44.028 869 59		2.30	−7.78	12.86	0.63	0.62	0.73	0.67	0.74	+	6	−16	−	4	−11	+	0	+16	+	2	+17	−	3	+	1	0	1.42
81629	16 40 27.42	+21 30 23.7	8.02	H	250.114 250 47	+21.506 589 44		2.72	2.66	−0.13	0.65	0.63	0.95	0.67	0.70	+13	−12	−12	−31	+10	−	9	+	4	−	6	+	0	+35	0	1.92
81630	16 40 28.18	+29 51 30.9	8.17	H	250.117 431 36	+29.858 583 46		6.56	−22.50	27.01	0.56	0.76	0.92	0.63	0.98	−	1	+	8	−	7	+13	+	5	−	4	+	6	+	2	−12	−	6	0	0.66
81631	16 40 32.19	−15 39 23.0	9.05	G	250.134 133 71	−15.656 379 10		12.29	43.73	−72.07	1.38	1.00	1.41	1.99	1.69	−27	−16	−	8	+39	−22	−	1	−	8	+60	−16	−51	2	0.33
81632	16 40 34.51	−20 24 31.4	6.25	H	250.143 783 60	−20.408 718 34		7.69	15.83	28.40	0.80	0.47	0.88	0.66	0.54	−17	−60	+	0	+	7	−15	+	6	+	1	+39	−18	−30	0	1.18
81633	16 40 35.09	+49 09 59.4	9.00	H	250.146 189 66	+49.166 495 29		31.34	2.84	−15.85	0.72	0.69	0.77	0.88	0.84	+	5	−	1	−	5	+24	+	4	+	9	+	5	+27	−15	−	2	0	0.88
81634	16 40 35.15	+04 12 26.0	6.92	G	250.146 460 13	+04.207 227 07		10.73	0.29	−9.73	0.88	0.56	0.96	0.87	0.68	−10	−36	−	2	+53	−13	+	0	−	8	+60	−14	−14	0	1.18
81635	16 40 35.28	−33 53 57.4	8.60	H	250.146 984 94	−33.899 289 05		−1.64	−15.48	−39.97	1.20	0.83	1.31	1.25	0.97	+	9	−39	−21	+	7	−	3	+	1	+	1	+19	−	8	−11	0	−0.51
81636	16 40 36.26	−54 08 12.0	7.89	H	250.151 068 99	−54.136 669 39		−1.01	−2.29	−1.56	0.78	0.62	0.95	1.01	0.76	+15	−	3	−	8	+34	+36	+16	+35	+47	−20	+16		0	−1.00
81637	16 40 37.18	+56 10 01.5	7.47	H	250.154 925 47	+56.167 084 62		4.49	1.10	−23.81	0.57	0.58	0.62	0.62	0.66	+	0	−	5	+	1	−11	+11	−10	+10	+	7	+15	+	1	1	−0.69
81638	16 40 37.24	−66 16 47.4	8.29	1 H	250.155 165 39	−66.279 823 99		4.99	4.33	−52.32	0.67	0.73	1.08	0.72	0.87	+	5	−16	+12	−	1	−11	−	2	−13	+18	+	7	+	7	0	−1.51
*81639	16 40 37.85	−35 41 13.8	6.64	H	250.157 706 47	−35.687 159 46		5.00	−3.09	−7.03	0.78	0.61	0.99	0.71	0.70	−	7	−36	−17	+	2	−22	+	1	−	8	+	9	−38	−34	0	0.24
*81640	16 40 37.82	+70 34 14.7	7.94	H	250.157 594 51	+70.570 755 84		2.47	−15.49	28.68	0.70	0.60	0.68	0.81	0.69	+13	−	8	−14	−27	−	5	−20	−	9	−	4	−	7	+15	2	3.07
81641	16 40 38.69	+04 13 11.3	5.77	H	250.161 196 01	+04.219 814 84		10.76	−0.23	−10.70	0.79	0.51	0.87	0.79	0.63	−	4	−34	+	1	+47	−	6	+	3	−	4	+57	−	6	−	8	0	0.56
81642	16 40 39.95	−49 29 52.2	10.54	H	250.166 446 56	−49.497 827 11		−3.34	−3.54	−6.86	2.05	1.98	2.50	2.65	2.38	−24	+	0	−38	+	3	+12	−	8	+10	+	3	+16	−36	0	0.15
81643	16 40 42.30	−39 52 57.3	8.19	H	250.176 229 60	−39.882 591 16		5.53	4.26	7.22	0.98	0.74	1.14	1.01	0.80	−10	−32	−21	−	7	+13	+28	+24	−	4	+18	−34	0	1.47
81644	16 40 42.32	+28 54 54.6	7.69	H	250.176 352 02	+28.915 162 88		4.14	−29.32	−10.20	0.53	0.63	0.86	0.60	0.79	+12	−	7	−10	−	2	−	7	−10	−	8	+	9	−	8	+	5	1	−0.64
81645	16 40 42.46	−41 07 37.0	7.92	2 G	250.176 926 17	−41.126 949 80		3.21	−5.29	−8.82	0.89	0.63	1.04	0.75	0.70	−17	−57	−11	+	1	−19	+15	−	1	+17	−25	−40		0	−1.48
81646	16 40 42.51	+72 40 17.9	6.98	2 H	250.177 136 46	+72.671 646 18		2.14	4.57	5.28	0.51	0.51	0.55	0.57	0.61	+	5	−	5	+	0	−	5	−	6	−	8	−	6	−10	−18	+	6	0	−1.42
81647	16 40 43.13	−17 18 49.9	9.73	G	250.179 689 47	−17.313 873 45		5.79	−29.26	−32.27	1.43	0.98	1.56	1.92	1.40	−27	+	3	−	9	−	5	+10	−26	+11	+10	+10	−37	0	−2.85
81648	16 40 43.66	+43 22 25.4	9.14	H	250.181 896 90	+43.373 712 44		1.37	−22.48	12.42	0.77	0.75	0.88	0.91	0.89	+10	−20	−	3	+13	+	7	−	1	+	8	+23	−	7	+	9	0	0.42
*81649	16 40 44.43	−62 33 16.5	8.04	G	250.185 136 30	−62.554 591 19		0.95	0.99	−7.05	0.63	0.68	0.99	0.81	0.80	−	4	+	1	−19	+13	−	8	−10	−	9	+47	−	4	−	5	0	0.19
*81650	16 40 44.39	−51 28 42.9	6.30	1 H	250.184 952 32	−51.478 576 38		20.48	12.43	130.10	0.61	0.51	0.89	0.77	0.65	−27	−	6	−28	+10	+	0	−15	+	7	+54	−33	−41	0	−0.60
81651	16 40 44.58	−48 45 22.2	7.07	H	250.185 757 69	−48.756 159 84		1.88	0.17	−4.36	0.92	0.81	1.17	1.13	0.84	−12	−17	−53	−	2	+11	−	1	+13	+	7	+	2	−38	0	0.52
81652	16 40 47.07	−67 51 54.1	10.75	2 G	250.196 138 75	−67.865 039 06		2.44	1.20	−7.71	1.00	1.36	2.04	1.28	1.60	+10	−	3	−10	−19	+	0	−12	+	1	−11	−14	−13	1	1.77
81653 H	16 40 47.40	−72 17 58.8	6.53	H	250.197 497 75	−72.299 676 68	A	6.43	17.95	27.53	0.76	1.10	1.20	0.75	1.19	+21	−	6	+14	−15	−11	+	0	−12	−16	+13	+25	1	0.36
*81654	16 40 49.01	−65 26 41.1	7.89	H	250.204 217 76	−65.444 737 41		6.17	−25.77	−21.88	0.56	0.59	0.82	0.62	0.67	−	8	−12	−	9	+13	−26	+	1	−23	+26	−	9	−25	0	1.59
*81655	16 40 49.00	+36 18 58.6	11.45	H	250.204 147 58	+36.316 265 48		51.88	−140.17	179.29	3.40	4.07	4.66	3.56	4.86	+	0	−	4	−	6	−10	+12	−	3	+13	−	9	+	3	−	7	0		
81656	16 40 49.58	+59 02 08.5	8.36	H	250.206 601 56	+59.035 681 78		16.44	29.15	139.59	0.71	0.64	0.73	0.74	0.74	+	7	−22	−23	+	9	+	3	+10	+	6	+	5	+	2	+14	0	0.77
81657 H	16 40 50.41	−60 26 46.6	6.17	G	250.210 061 09	−60.446 264 68	A	32.50	58.29	−72.99	0.60	0.61	0.77	0.67	0.67	+	7	+	3	−19	+31	−17	+14	−16	+41	−	6	−	2	0	0.27
81658	16 40 50.68	−69 53 00.2	8.47	H	250.211 154 16	−69.883 392 89		9.83	25.87	−16.72	0.47	0.82	1.02	0.54	1.28	+33	−23	−18	−18	−26	+	8	−29	−29	+25	+55			0	0.03
81659	16 40 51.36	+12 23 42.2	6.08	H	250.213 995 82	+12.395 056 68		9.38	−30.61	−5.51	0.58	0.45	0.75	0.83	0.66	−22	−11	−	7	+35	−10	+11	−11	+42	−	3	+	2	2	1.22
81660	16 40 55.12	+64 35 20.7	4.84	H	250.229 664 25	+64.589 085 55		4.79	−0.04	−16.18	0.42	0.42	0.45	0.35	0.46	+	3	−19	−	1	−42	−18	−	1	−19	−	5	+	3	−10	0	−1.02
81661	16 40 55.32	−58 52 07.3	7.35	G	250.230 481 69	−58.868 693 31		11.47	−34.52	−32.45	0.53	0.51	0.89	0.61	0.60	+	5	−26	−24	+14	+	1	+	6	+	2	+50	−	9	+	5	0	−0.42
*81662	16 40 56.50	+21 56 53.3	7.67	H	250.235 413 21	+21.948 143 46		22.31	−95.14	2.18	0.62	0.58	0.93	0.60	0.62	−	6	+	6	−15	−60	+11	−	7	−	1	−15	+	1	+22	0	1.40
*81663	16 40 56.42	−08 18 34.7	6.47	H	250.235 066 22	−08.309 626 35		6.53	−11.23	−0.71	1.02	0.82	1.19	1.47	1.35	−32	−10	−25	+34	−32	+18	−19	+69	−41	−45				0	0.69
*81664	16 40 57.33	+82 21 41.0	10.55	H	250.238 858 75	+82.361 390 62	B	8.24	−6.86	9.28	11.00	11.18	8.04	9.27	10.60	+19	−12	−	9	−	9	+	2	+24	−	3	−31	−	5	+	8	11	2.28
*81665	16 40 56.76	+22 46 05.1	8.45	G	250.236 487 78	+22.768 091 04		5.43	−23.49	−6.12	0.78	0.70	1.15	0.72	0.83	−	6	−17	−	3	−44	+11	+11	+	8	−	2	−	8	+10	0	1.28
*81666	16 40 56.76	+42 27 42.6	7.57	H	250.236 489 54	+42.461 841 83		5.77	0.44	−39.91	0.57	0.60	0.67	0.66	0.70	+17	−22	−	2	+15	+	8	−12	+	9	+18	−	9	+16	3	−0.21
81667	16 40 57.45	+82 21 53.0	8.89	H	250.239 373 08	+82.364 735 53	A	3.41	−17.26	12.23	1.73	1.78	1.51	1.84	2.09	+21	−14	−12	−15	+	0	+21	−	3	−36	+	2	+14	11	2.28
81668	16 40 58.88	−21 40 12.1	9.44	H	250.245 347 46	−21.670 037 89		2.50	−0.88	−3.01	1.23	0.89	1.36	1.64	1.12	−36	−	8	−	9	+34	−12	+35	−11	+55	−29	−25		0	0.85
81669	16 40 59.95	+66 57 34.0	8.16	H	250.249 807 30	+66.959 443 49		3.69	−0.09	−0.95	0.67	0.70	0.72	0.67	0.82	−	2	−26	−21	+	4	−	9	+	0	+	0	+42	−23	−14	0	−0.70
81670	16 41 00.60	+24 51 31.3	6.07	H	250.252 516 66	+24.858 699 84		7.26	−34.48	2.02	0.29	0.47	0.72	0.37	0.55	+	7	−12	−21	+	4	−	1	−	1	+	0	−	2	−14	−	4	1	0.89
81671	16 41 03.05	−15 21 25.2	8.40	H	250.262 708 61	−15.357 001 15		11.70	−6.60	−42.37	1.12	0.83	1.12	1.51	1.22	−24	−	2	−16	+38	−16	+12	−	8	+55	−	7	−42	0	2.61
81672	16 41 03.82	+26 31 23.9	9.33	H	250.265 919 11	+26.523 305 17		1.54	13.06	−22.38	0.74	0.94	1.28	0.93	1.17	+	9	−19	−17	+	0	+10	−	6	+	9	+10	−10	+19	0	1.71
81673	16 41 04.56	+36 12 04.5	7.29	H	250.269 003 02	+36.201 245 30		8.47	30.69	−21.09	0.47	0.54	0.64	0.50	0.64	−	9	−	5	−12	+	1	+10	−	8	+10	−	6	−	1	−15	0	1.58
81674	16 41 04.63	+28 43 07.5	8.86	H	250.269 294 64	+28.718 760 41		0.27	−0.79	−11.33	0.67	0.84	1.15	0.78	1.07	+20	−	9	−	6	+	0	−	7	−18	−	6	+16	−18	+14	0	1.71
81675	16 41 04.74	−37 53 29.7	7.77	H	250.269 745 72	−37.891 590 27		12.03	−5.77	−70.50	0.95	0.65	1.10	0.83	0.69	−13	−49	−18	−21	+	8	+	3	+20	−12	−24	−38		0	−1.81
81676	16 41 04.93	−69 24 28.5	8.52	H	250.270 558 17	−69.407 908 72		10.14	−19.36	26.89	0.48	0.75	1.03	0.49	0.90	+18	−19	−18	+	2	+	0	−	4	−	6	+	3	+21	+26	2	−1.78
81677	16 41 05.48	+33 37 49.7	11.04	H	250.272 840 92	+33.630 466 95		7.95	−8.32	−62.59	1.20	1.40	1.76	1.30	1.76	+	6	−17	−25	+15	+	3	−	7	+	4	+13	−20	−18	3	2.22
81678 H	16 41 05.60	−47 44 46.0	7.23	G	250.273 315 75	−47.746 105 61	A	2.70	0.64	−4.82	1.47	1.08	1.39	1.58	1.18	−	1	−41	−19	+36	+	7	−11	−	3	+39	+10	−24	0	−0.19
81679	16 41 06.31	+62 18 28.8	7.16	1 H	250.276 282 26	+62.308 011 11		4.99	−11.57	−7.22	0.51	0.54	0.57	0.50	0.64	+11	−18	−	9	−20	−	5	+	3	−	9	+	9	+24	+10	0	0.49
81680	16 41 07.81	−11 50 18.8	6.85	H	250.282 528 43	−11.838 564 22		2.41	−15.93	−13.16	0.91	0.63	0.95	1.25	0.99	−26	−23	−	2	+19	−10	−	1	−	1	+47	−	8	−41	0	0.35
81681	16 41 08.23	−02 51 22.3	7.21	H	250.284 292 71	−02.856 197 61		33.84	−26.27	−444.13	0.93	0.59	0.96	1.11	0.79	−14	−18	+	1	+40	+	5	+12	+	9	+42	−	7	−21	0	0.06
81682	16 41 08.50	−36 39 39.7	9.12	H	250.285 411 88	−36.661 041 39		11.05	−62.29	−49.51	1.58	1.26	1.88	2.26	1.47	−13	−12	−37	+	0	+36	−29	+28	−17	−	1	−	6	0	1.33
81683 H	16 41 09.13	+17 14 17.6	9.07	H	250.288 056 52	+17.238 208 36	A	3.50	−4.51	−9.12	1.55	1.22	1.82	1.81	1.44	+	9	−28	−23	+23	+29	−33	+26	+21	−27	+56			2	−0.02
81684	16 41 09.18	−46 04 48.8	10.39	H	250.288 257 47	−46.080 228 24		1.23	−16.11	−37.29	2.33	1.66	2.49	2.71	1.86	+23	−36	−23	+26	+23	+	6	+25	+28	−	6	+23			5	−0.83
81685	16 41 09.49	+36 58 34.1	9.76	H	250.289 559 45	+36.976 141 69		1.87	10.01	−21.07	1.00	1.06	1.32	1.14	1.29	+	9	+10	−	8	+	2	+10	−20	+	9	+	3	+	3	+	3	1	−0.14
81686	16 41 10.26	−15 09 29.8	9.59	G	250.292 752 89	−15.158 278 62		9.13	−33.45	−47.17	1.32	0.96	1.39	1.74	1.41	−25	−13	+	5	+21	+	1	+	7	+	7	+38	−10	−36	0	0.80
81687 H	16 41 11.53	−01 00 01.0	6.25	G	250.298 051 22	−01.000 283 70	A	21.22	20.31	−11.49	1.05	0.81	1.06	1.18	0.94	−29	−21	−29	+22	−19	−	3	−12	+43	−33	−44			1	0.32
81688	16 41 13.39	−23 19 26.8	8.56	H	250.305 788 50	−23.324 118 07		5.38	7.88	1.08	1.08	0.63	1.17	1.13	0.80	−18	−45	−	9	+13	+	7	−	8	+15	+33	−11	−35	2	−1.43
81689	16 41 13.43	−64 03 15.0	8.26	H	250.305 976 81	−64.054 175 69		2.04	−4.99	−7.02	0.59	0.60	0.99	0.69	0.70	−	6	−10	−	4	−19	−36	+18	−30	+20	−	5	−25	0	0.23
81690	16 41 15.41	+30 08 53.0	8.63	G	250.314 195 87	+30.148 048 47		4.75	−9.59	4.46	0.71	0.80	1.06	0.86	1.05	+20	−	5	−20	+31	+18	−	4	+18	+29	−	8	+20		0	0.85
81691	16 41 16.74	+01 14 43.7	6.40	H	250.319 756 52	+01.245 483 34		4.25	−13.36	−16.04	0.84	0.53	0.89	0.97	0.64	+12	−24	−16	+53	+	0	+	5	+	4	+68	−19	+12		0	−0.18
81692	16 41 17.25	−51 23 49.3	7.62	H	250.321 891 36	−51.397 024 03		7.51	−14.76	−28.21	0.72	0.61	1.03	0.91	0.75	−31	−	2	−23	+14	+	0	−17	+	3	+56	−29	−40		0	0.36
81693 H	16 41 17.48	+31 36 06.8	2.81	G	250.322 821 32	+31.601 886 95	A	92.63	−462.58	345.05	0.48	0.55	0.60	0.59	0.66	+	5	−	1	−	5	−	6	−	1	+	0	+	0	−15	−18	−	1	11	1.41
81694	16 41 17.72	+30 06 34.6	9.96	3 G																											
81695	16 41 18.65	−18 03 33.8	6.68	H	250.327 723 16	−18.059 378 59		9.44	36.11	−34.82	0.85	0.58	0.92	1.09	0.83	−45	+	3	−11	−23	+12	−

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
81601	9.586	0.017	8.299	0.010		1.095	0.015	T	1.06	0.02	L	8.3603	0.0014	0.016	124		8.33	8.39					1 G							
81602	10.062	0.023	8.246	0.010		1.511	0.020	T	1.54	0.03	L	8.2039	0.0014	0.015	134		8.18	8.23		C			1							
81603	9.732	0.029	8.965	0.024	*	0.710	0.002	G	0.76	0.00	H	*	8.9235	0.0033	0.014	53	*	8.90	8.95		D	16399−3516	I 1	2 C	A	AB	135	0.980	0.020	2.15	0.11	
81604	7.744	0.006	7.629	0.007		0.111	0.009	T	0.12	0.01	L		7.6562	0.0011	0.012	123		7.64	7.68		U 2			1							S
81605	9.511	0.016	8.704	0.013		0.714	0.016	T	0.77	0.01	L		8.7507	0.0024	0.020	121		8.71	8.78			16399+3731	I 1	1							S
81606	7.888	0.030	7.336	0.037	*	0.432	0.015	G	0.50	0.02	H	*	7.3761	0.0017	0.008	52	*	7.36	7.39		D	16400−4747	I 1	2 C	A	AB	158	1.429	0.005	0.05	0.02	S
81607	9.558	0.012	8.415	0.008		0.970	0.015	G	0.95	0.01	H		8.4688	0.0016	0.020	219		8.43	8.51		M			1							
81608	7.368	0.006	6.781	0.007		0.548	0.008	T	0.62	0.01	L		6.8437	0.0012	0.008	82		6.83	6.86					1							S
81609	12.363	0.172	10.822	0.069		1.294	0.146	T	1.25	0.15	L		10.8355	0.0048	0.043	118		10.76	10.89					1							G
81610	10.309	0.040	9.647	0.036		0.614	0.045	T	0.68	0.04	L		9.6792	0.0036	0.020	71		9.64	9.71					1							
81611	9.857	0.017	7.896	0.007		1.626	0.015	T	1.65	0.01	L		7.8071	0.0014	0.015	182		7.78	7.83					1							
81612	8.795	0.013	8.284	0.013		0.446	0.016	G	0.52	0.02	H		8.3571	0.0013	0.012	106		8.33	8.39					1							S
81613	9.687	0.019	8.720	0.014		0.850	0.018	T	0.86	0.01	L		8.7390	0.0020	0.019	106		8.70	8.77					1	S						
81614	10.623	0.032	10.211	0.036		0.389	0.045	T	0.45	0.05	L		10.2891	0.0041	0.042	145		10.21	10.35					1							
81615	8.301	0.007	8.147	0.008		0.140	0.010	T	0.15	0.01	L		8.1837	0.0014	0.015	189		8.16	8.21		C			1							S
81616	9.015	0.013	7.098	0.006		1.591	0.011	T	1.61	0.01	L		7.0094	0.0017	0.014	85		6.98	7.04		U 2			1							S
81617	8.954	0.012	8.620	0.012		0.322	0.019	T	0.37	0.03	L		8.6576	0.0018	0.016	135		8.63	8.69		C			1							
81618	8.950	0.012	7.359	0.006		1.334	0.011	T	1.30	0.01	L		7.3673	0.0013	0.012	120		7.35	7.39					1							S
81619	9.672	0.049	9.289	0.055	C	0.378	0.071	G	0.44	0.08	R	*	8.4532	0.0011	0.010	106	–	8.43	8.48		D	16402−2800	I 1	3 C	B						S G
81620	8.130	0.014	6.699	0.008		1.208	0.013	T	1.17	0.01	L		6.7167	0.0021	0.011	56		6.70	6.73					1							S
81621	9.383	0.015	8.037	0.009		1.141	0.014	T	1.10	0.01	L		8.0748	0.0011	0.013	142		8.05	8.10					1	S						
81622	10.637	0.047	8.575	0.015		1.707	0.039	T	1.73	0.04	L		8.4194	0.0032	0.033	89		8.38	8.48		U 2			1							
81623	9.454	0.017	7.884	0.009		1.317	0.015	T	1.28	0.02	L		7.9236	0.0010	0.011	112		7.90	7.95		C			1							S
81624	9.506	0.020	8.931	0.019	A	0.522	0.002	G	0.59	0.00	H	*	8.9364	0.0022	0.014	94	*	8.91	8.96			16403−2354	H 1	2 C	D	AB	225	1.094	0.047	3.47	0.19	D
81625	9.694	0.019	8.583	0.013		0.958	0.018	T	0.95	0.01	L		8.6259	0.0015	0.013	115		8.61	8.66					1							
81626						1.010	0.015	G	1.05	0.02	I		11.9741	0.0051	0.058	141		11.88	12.08					1							G
81627	8.315	0.014	7.956	0.012		0.340	0.017	T	0.40	0.02	L		8.0103	0.0015	0.011	101		7.99	8.03		C			1							S
81628	9.407	0.014	8.368	0.010		0.903	0.013	T	0.90	0.01	L		8.4334	0.0018	0.018	133		8.40	8.46					1							S
81629	10.084	0.021	8.203	0.009		1.563	0.018	T	1.58	0.02	L		8.1433	0.0015	0.018	179		8.12	8.18					1							
81630	8.221	0.009	8.169	0.010		0.053	0.012	T	0.07	0.01	L		8.1900	0.0019	0.017	160		8.16	8.21					1 G							S
81631	9.658	0.030	9.126	0.029		0.549	0.015	G	0.62	0.01	H		9.1656	0.0022	0.016	67		9.14	9.20					1							
81632	7.635	0.008	6.372	0.004		1.077	0.004	G	1.04	0.00	H		6.4173	0.0010	0.006	77		6.41	6.43		C			1							S
81633	10.249	0.024	9.107	0.015		0.982	0.022	T	0.96	0.02	L		9.1622	0.0020	0.017	119		9.14	9.19		C			1							
81634	7.081	0.007	6.932	0.007		0.136	0.004	G	0.15	0.00	H		6.9729	0.0010	0.009	96		6.95	6.99		C	16406+0413	I 2	1							S
81635	10.458	0.052	8.780	0.023		1.402	0.045	T	1.38	0.05	L		8.7393	0.0017	0.016	52		8.71	8.76		D			1							
81636	7.834	0.008	7.876	0.010		−0.034	0.012	T	−0.01	0.01	L		7.8835	0.0014	0.012	114		7.86	7.91					1							S
81637	8.933	0.013	7.577	0.008		1.149	0.012	T	1.11	0.01	L		7.6358	0.0012	0.011	100		7.61	7.66		C			1							S
81638	9.822	0.020	8.408	0.011		1.194	0.018	T	1.15	0.02	L		8.4577	0.0024	0.022	145		8.42	8.49		U			1							
81639	6.844	0.006	6.663	0.007		0.173	0.009	T	0.19	0.01	L		6.6939	0.0010	0.006	55		6.68	6.71		C			1							S
81640	9.177	0.015	8.045	0.010		0.974	0.014	T	0.96	0.01	L		8.1055	0.0014	0.012	95		8.08	8.13					1							S
81641	5.765	0.003	5.771	0.004		−0.004	0.004	T	0.02	0.00	L		5.7782	0.0005	0.005	95		5.77	5.79		C	16406+0413	I 2	1							S
81642	11.141	0.117	10.622	0.128		0.397	0.107	G	0.46	0.12	R		10.6318	0.0095	0.042	47		10.53	10.67					1							G
81643	9.308	0.021	8.318	0.016		0.855	0.021	T	0.87	0.01	L		8.3357	0.0024	0.018	71		8.30	8.37					1							
81644	9.245	0.013	7.822	0.007		1.210	0.015	G	1.17	0.01	H		7.8525	0.0014	0.014	149		7.83	7.88					1							S
81645	8.052	0.015	7.944	0.019		0.127	0.015	G	0.14	0.01	H		7.9308	0.0163	0.072	59		7.87	8.05		U 2 C			1							S P
81646	9.038	0.015	7.184	0.007		1.574	0.014	T	2.13	0.10	O		7.0461	0.0171	0.136	99		6.90	7.35		U 2 C			1							S
81647	10.561	0.050	9.804	0.039		0.662	0.015	G	0.72	0.01	H		9.8504	0.0034	0.020	60		9.81	9.87					1							
81648	10.487	0.036	9.215	0.021		1.083	0.033	T	1.05	0.03	L		9.3067	0.0021	0.017	108		9.28	9.34					1							
81649	7.915	0.007	8.044	0.009		−0.091	0.009	G	−0.07	0.01	H		8.0151	0.0022	0.021	125		7.99	8.05			16407−6233	I 1	1							S
81650	6.658	0.004	6.325	0.004		0.321	0.006	T	0.37	0.01	L		6.3768	0.0012	0.011	136		6.36	6.40	0.43	P 1 A			1							S
81651	7.108	0.008	7.077	0.017		0.033	0.017	T	0.05	0.01	L		7.0892	0.0017	0.011	48		7.07	7.10					1							S
81652	10.540	0.027	10.591	0.045		−0.130	0.015	G	−0.12	0.02	H		10.7168	0.0044	0.050	180		10.63	10.79		U			1	S						G
81653	7.799	0.005	6.664	0.004	A	0.800	0.495	G	0.96	0.01	L	*	6.6986	0.0006	0.007	199	*	6.69	6.72		D	16408−7218	I 1	2 C	C	AB	253	2.379	0.054	3.97	0.13	S
81654	8.036	0.006	7.914	0.009		0.110	0.010	T	0.12	0.01	L		7.9327	0.0012	0.014	140		7.90	7.95		C			1							S
81655											T		11.5855	0.0067	0.061	124		11.44	11.68					1 X	S						G
81656	8.946	0.013	8.417	0.012		0.496	0.016	T	0.57	0.02	L		8.4698	0.0015	0.015	105		8.45	8.50					1							S
81657	6.783	0.004	6.269	0.004	A	0.488	0.003	G	0.56	0.00	H	*	6.2842	0.0007	0.008	157	*	6.27	6.30		D	16408−6027	I 1	2 C	A	AB	36	1.649	0.008	2.88	0.03	S
81658	8.960	0.007	8.518	0.007		0.417	0.009	T	0.48	0.01	L		8.5662	0.0012	0.019	276		8.53	8.61					1 G							
81659	6.141	0.002	6.084	0.003		0.046	0.004	G	0.06	0.00	H		6.0998	0.0006	0.006	144		6.09	6.11					1							S
81660	6.396	0.004	4.976	0.002		1.212	0.003	G	1.19	0.06	F		5.0010	0.0005	0.005	111		4.99	5.02					1							S
81661	7.761	0.006	7.389	0.007		0.387	0.003	G	0.45	0.00	H		7.4365	0.0009	0.011	172		7.42	7.46		C			1							S
81662	8.353	0.007	7.747	0.006		0.591	0.015	G	0.66	0.01	H		7.7984	0.0011	0.015	199		7.77	7.82			16409+2157	I 1	1							S
81663	7.979	0.012	6.626	0.007		1.147	0.011	T	1.11	0.01	L		6.6356	0.0013	0.006	61		6.62	6.65		C			1							S
81664	11.783	0.150	10.533	0.078	B	1.066	0.132	T	1.03	0.11	L		10.7760	0.0290			B				D	16410+8222	I 2	1 C I	A						
81665	8.767	0.011	8.460	0.012		0.296	0.015	G	0.34	0.02	H		8.5158	0.0020	0.018	132		8.48	8.56					1							S
81666	9.080	0.012	7.696	0.007		1.171	0.011	T	1.13	0.01	L		7.7380	0.0013	0.011	116		7.72	7.76		C			1							S
81667	10.027	0.031	8.976	0.020	A	0.912	0.028	T	0.91	0.02	L		9.0530	0.0068	0.040	97	A	9.02	9.16		D	16410+8222	I 2	1 C P	A						
81668	11.458	0.093	9.540	0.028		1.592	0.077	T	1.61	0.08	L		9.5611	0.0028	0.017	75		9.53	9.60		C			1	S						
81669	9.460	0.019	8.270	0.013		1.019	0.018	T	0.99	0.01	L		8.3224	0.0022	0.014	92		8.30	8.35					1							S
81670	7.793	0.005	6.224	0.002		1.316	0.004	T	1.28	0.01	L		6.2258	0.0004	0.007	282		6.21	6.24					1							S
81671	9.015	0.019	8.454	0.018		0.486	0.009	G	0.56	0.01	H		8.5120	0.0018	0.015	70		8.49	8.54		C			1							
81672	10.855	0.037	9.474	0.019		1.169	0.033	T	1.13	0.03	L		9.4918	0.0027	0.030	169		9.44	9.56					1							
81673	7.591	0.006	7.315	0.006		0.263	0.008	T	0.30	0.01	L		7.3656	0.0012	0.012	128		7.35	7.38					1							S
81674	10.161	0.022	8.982	0.014		1.011	0.020	T	0.99	0.02	L		9.0259	0.0021	0.021	149		8.99	9.06					1							
81675	8.319	0.014	7.822	0.011		0.479	0.014	T	0.55	0.01	L		7.8774	0.0016	0.010	63		7.86	7.90					1							S
81676	9.186	0.010	8.578	0.009		0.565	0.010	T	0.64	0.01	L		8.6439	0.0015	0.019	222		8.62	8.68					1							
81677	11.807	0.106	10.969	0.077		0.575	0.072	G	0.65	0.07	R		11.1626	0.0053	0.045	123		11.09	11.23					1							G
81678	7.339	0.015	7.318	0.015	A	0.023	0.002	G	0.04	0.00	H	*	7.2489	0.0017	0.010	57	*	7.23	7.27		D	16411−4745	I 1	2 C	A	AB	319	1.674	0.009	2.02	0.03	S
81679	7.348	0.006	7.223	0.008		0.121	0.009	T	0.14	0.01	L		7.2087	0.0019	0.022	102		7.17	7.25	5.57	P 1 A			1							S
81680	9.199	0.023	7.047	0.009		1.779	0.020	T	1.81	0.02	L		6.9413	0.0015	0.010	60		6.92	6.96					1							S
81681	7.995	0.010	7.297	0.009		0.631	0.010	G	0.70	0.02	A		7.3468	0.0007	0.008	84		7.33	7.36			16412−0251	I 1	1							S
81682	9.667	0.029	9.191	0.028		0.461	0.031	T	0.53	0.03	L		9.2214	0.0041	0.026	52		9.18	9.26					1							
81683	9.357	0.015	9.125	0.017	*	0.221	0.022	T	0.24	0.03	L	*	9.1366	0.0023	0.019	128	*	9.10	9.17		D	16412+1714	H 1	2 C	A	AB	97	0.555	0.018	2.70	0.07	
81684	11.192	0.101	10.477	0.085		0.657	0.107	T	0.72	0.10	L		10.5317	0.0070	0.035	45		10.46	10.60					1							G
81685	11.250	0.061	9.882	0.029		1.170	0.015	G	1.13	0.01	H		9.9306	0.0034	0.027	117		9.89	9.98		C			1							
81686	10.279	0.038	9.681	0.036		0.598	0.015	G	0.67	0.01	H		9.7090	0.0033	0.017	68		9.68	9.74					1							
81687	6.608	0.005	6.295	0.005	*	0.313	0.015	G	0.36	0.03	C	*	6.3221	0.0011	0.009	97	*	6.31	6.34		D	16412−0100	H 1	2 C	A	AB	87	0.779	0.018	3.25	0.07	S
81688	10.080	0.028	8.689	0.015		1.176	0.025	T	1.14	0.02	L		8.7321	0.0019	0.014	94		8.71	8.76		C			1							
81689	8.236	0.007	8.257	0.009		−0.015	0.010	T	0.01	0.01	L		8.2625	0.0011	0.015	171		8.24	8.30			16412−6403	I 1	1	S						
81690	9.044	0.013	8.665	0.013		0.378	0.009	G	0.44	0.01	H		8.7274	0.0016	0.016	135		8.69	8.75		C			1							
81691	7.694	0.007	6.504	0.004		1.019	0.006	T	0.99	0.01	L		6.5661	0.0007	0.007	118		6.55	6.58					1							S
81692	7.647	0.006	7.620	0.008		0.025	0.009	T	0.04	0.01	L		7.6342	0.0010	0.011	129		7.62	7.65					1							S
81693	3.647	0.003	2.919	0.003	A	0.650	0.011	G	0.70	0.03	G	*	2.9338	0.0004	0.004	131	*	2.93	2.94		D	16413+3136	I 1	2 C	A	AB	78	1.546	0.007	2.68	0.03	S
81694						1.000	0.015	G	0.98	0.01	H		10.5717	0.0623	0.599	122		10.14	11.95		U 2	16413+3006	I 1		S						G G
81695	6.877	0.005	6.698	0.007		0.171	0.008	T	0.19	0.01	L		6.7380	0.0007	0.007	74		6.73	6.75					1							S
81696						0.130	0.042	G	0.14	0.04	R	*	6.7268	0.0735			C				D	16413−4846	I 2	1 C I	B						S
81697	8.472	0.009	7.318	0.005		0.991	0.008	T	0.97	0.01	L		7.3591	0.0010	0.012	156		7.34	7.38		C			1							S
81698	9.293	0.015	8.703	0.014		0.561	0.015	G	0.63	0.01	H		8.7841	0.0010	0.016	118		8.75	8.81		D			1							
81699	10.402	0.047	9.296	0.030		0.954	0.043	T	0.94	0.03	L		9.2736	0.0033	0.018	61		9.25	9.30		C			1							
81700	10.154	0.023	8.512	0.011		1.399	0.021	T	3.56	0.04	O		7.9338	0.0106	0.155	145		7.81	8.21		U 2			1	S						S P

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19 20 21 22 23 24 25 26 27 28	29	30
81701	16 41 20.21	−74 26 14.8	8.70	H	250.334 227 79	−74.437 450 50	1.92	−10.25	−36.29	0.60	0.91	1.08	0.71	1.03	+ 6 −10 −22 + 2 − 9 − 9 −10 +11 + 0 − 2	0	0.78
81702 H	16 41 20.42	−48 45 46.7	5.57	G	250.335 066 17	−48.762 969 94 A	−1.86	−1.14	5.49	2.52	2.10	2.15	3.21	2.70	−15 −17 −17 + 3 − 7 +13 − 1 + 8 −22 −35	23	1.40
81703	16 41 20.88	+00 30 27.2	8.52	2 T	250.336 981 95	+00.507 552 10	11.84	−27.95	20.92	1.49	0.85	1.17	1.70	0.98	+38 − 1 +13 +79 +36 +17 +35 +79 + 6 +41	0	−0.74
81704 H	16 41 21.54	+30 16 23.5	7.50	G	250.339 761 48	+30.273 202 91 A	11.68	−55.42	−29.63	0.73	0.81	1.02	0.86	0.94	− 9 − 2 −10 +31 + 0 + 7 + 2 +13 − 2 −11	2	0.69
81705	16 41 22.22	−13 23 42.6	8.83	H	250.342 588 18	−13.395 155 54	3.49	40.19	−61.63	1.80	1.26	1.59	2.61	1.83	− 3 −20 + 2 +57 − 9 −27 − 8 +74 + 8 −13	0	1.40
81706	16 41 22.50	−04 12 53.1	8.01	H	250.343 747 51	−04.214 745 72	14.64	18.15	33.72	1.19	0.74	1.29	1.33	1.08	−11 −39 −28 +34 −14 +12 + 8 +52 −34 −40	0	−0.07
81707	16 41 22.61	+16 06 23.7	7.83	H	250.344 220 67	+16.106 576 58	3.12	8.28	−38.91	0.67	0.59	1.07	0.88	0.79	− 2 −27 −19 +18 +12 −22 +14 +25 −29 +22	1	0.11
81708	16 41 22.86	−38 04 40.8	8.94	H	250.345 234 62	−38.077 986 79	4.93	18.89	−1.30	1.30	0.87	1.47	1.48	0.99	− 5 −40 −13 +11 +23 + 7 +28 + 9 −18 + 6	0	−1.18
81709	16 41 23.01	−68 45 34.8	8.51	H	250.345 881 14	−68.759 663 53	1.77	2.25	−0.17	0.54	0.76	1.02	0.66	0.86	+ 2 −15 −16 − 2 + 5 −14 − 1 −16 +16 −10	1	0.59
81710	16 41 23.13	−68 17 45.9	5.89	H	250.346 376 67	−68.296 094 40	4.74	−14.06	−11.79	0.33	0.46	0.65	0.46	0.55	− 7 −10 −12 − 9 − 1 −11 − 2 −15 − 7 −26	1	0.44
81711	16 41 23.94	−46 23 08.4	8.13	G	250.349 730 03	−46.385 680 51	0.99	−1.56	−13.55	1.21	0.89	1.34	1.32	0.94	+29 −40 −34 +23 + 9 + 9 +17 +38 −13 +18	0	0.79
81712	16 41 24.78	−42 03 37.8	7.54	2 H	250.353 263 42	−42.060 495 53	2.21	0.93	−2.47	1.00	0.87	1.08	1.26	1.10	−13 −16 − 1 +34 − 2 +15 + 1 +30 − 5 +12	3	1.77
81713	16 41 26.58	−24 24 08.4	8.25	H	250.360 760 82	−24.402 319 70	13.28	−42.90	−20.45	0.96	0.60	1.00	1.33	0.76	−27 − 7 + 4 + 1 +27 −10 +24 +30 + 3 −24	0	−0.17
81714 H	16 41 26.99	+44 36 12.1	10.38	H	250.362 449 21	+44.603 370 21 A	3.91	16.64	−2.74	1.99	1.88	1.63	1.54	1.64	+19 − 4 − 2 − 5 + 9 − 3 + 8 + 5 + 5 +15	1	−0.45
81715	16 41 29.10	+06 16 33.4	9.74	2 G	250.371 233 51	+06.275 936 85	0.62	5.16	5.45	1.37	1.12	1.68	1.33	1.31	−12 −50 −13 +50 −18 −20 −13 +67 −10 −19	0	−1.39
81716	16 41 29.18	+01 18 48.6	9.42	1 H	250.371 601 52	+01.313 502 62	21.42	−136.03	−140.26	2.14	1.18	1.79	2.37	1.41	+46 −48 −10 +71 +41 −20 +40 +80 −14 +53	0	−0.19
81717	16 41 30.20	+04 52 18.8	6.96	H	250.375 827 77	+04.871 893 53	7.99	−0.74	−20.79	0.84	0.67	0.89	1.00	0.88	−28 −24 + 0 +47 −32 + 3 −30 +69 − 7 −30	0	−0.87
81718	16 41 31.30	+41 19 24.2	8.67	H	250.380 411 70	+41.323 395 64	4.49	−37.11	5.97	0.65	0.69	0.78	0.77	0.86	+ 3 +13 − 2 − 9 −18 − 4 −14 +24 −14 −13	0	1.03
81719	16 41 31.32	−32 19 06.6	9.01	H	250.380 509 02	−32.318 494 79	16.68	−68.64	−43.00	1.13	0.98	1.24	1.26	1.14	−39 −23 −22 +15 −33 +14 −22 +41 −22 −59	0	0.15
81720	16 41 32.27	+07 57 06.0	10.11	G	250.384 450 15	+07.951 666 06	3.71	2.74	−20.97	1.46	1.13	1.66	1.54	1.31	− 9 −36 −18 +48 −12 −16 − 8 +55 −17 −13	0	0.26
81721	16 41 33.14	+18 55 17.3	7.34	H	250.388 094 63	+18.921 465 79	1.72	2.52	17.10	0.70	0.60	0.91	0.78	0.70	+30 −20 −19 +49 +27 + 2 +31 +24 − 3 +36	2	0.33
81722	16 41 33.85	+26 04 48.8	7.77	H	250.391 037 71	+26.080 232 69	4.23	4.08	−43.41	0.51	0.66	0.97	0.65	0.78	+14 −11 −17 −16 − 2 − 4 − 2 − 5 −11 +17	0	−3.50
81723	16 41 34.21	−16 56 00.2	8.23	H	250.392 552 51	−16.933 375 87	9.76	24.43	−6.67	1.10	0.77	1.22	1.77	1.37	−19 − 7 + 3 + 4 + 9 −29 +18 +26 +16 −42	0	−1.37
81724	16 41 34.40	−17 44 31.8	4.91	H	250.393 317 86	−17.742 164 62	8.34	−21.66	−0.92	0.79	0.57	0.85	1.03	0.83	−46 − 7 −12 −15 + 4 −22 +12 + 3 −68	0	−0.06
*81725	16 41 34.82	−42 56 52.0	10.15	G	250.395 066 80	−42.947 775 88	−0.67	−4.56	−13.71	1.98	2.10	3.06	2.77	2.75	− 4 −26 −65 +25 + 7 −41 −32 − 2 +35 −70	0	−0.70
*81726	16 41 34.77	+30 52 32.7	7.07	H	250.394 882 08	+30.875 741 73 +	17.55	−49.25	6.93	3.20	0.70	0.94	1.02	1.05	−47 −50 +12 +76 −34 −49 +16 +16 −23 − 1	0	1.43
81727	16 41 35.49	−28 35 10.9	8.97	G	250.397 864 69	−28.586 350 54	0.34	−4.14	−8.74	1.35	0.84	1.62	1.46	1.04	−17 −43 −22 − 4 − 4 +18 +13 +38 −36 −25	0	−0.07
81728	16 41 36.21	−24 28 04.6	6.07	H	250.400 890 52	−24.467 939 30	12.44	−54.70	−9.49	0.71	0.47	0.74	0.94	0.61	−21 − 6 − 7 +12 +17 −11 +17 +36 +12 −32	2	−0.77
81729	16 41 36.70	+26 55 01.2	5.92	H	250.402 910 09	+26.916 989 45	23.35	0.89	−44.83	0.43	0.48	0.69	0.46	0.54	+20 −21 −21 −31 − 2 − 4 − 2 − 2 −14 +22	1	0.75
81730	16 41 37.15	+11 39 28.6	11.15	G	250.404 790 43	+11.657 946 90	26.06	30.35	−384.63	1.71	1.41	2.28	2.42	1.91	+ 1 + 2 −11 +25 + 1 +10 + 2 +29 + 4 + 6	0	−0.65
81731	16 41 37.55	−27 48 34.5	6.52	H	250.406 455 65	−27.809 583 10	7.24	15.68	−38.39	0.80	0.54	0.85	1.00	0.70	−27 −26 +11 +26 + 4 + 4 + 2 +50 −13 −10	0	−0.40
81732	16 41 39.48	+34 35 22.0	7.64	H	250.414 502 67	+34.589 449 50	11.65	−58.78	−34.23	0.52	0.58	0.71	0.58	0.75	− 2 − 5 −18 + 3 + 8 − 2 + 8 − 4 − 6 −18	0	0.46
81733	16 41 40.23	−49 39 05.6	5.62	H	250.417 614 84	−49.651 545 75	1.00	−2.79	−2.74	0.74	0.74	0.89	1.05	1.00	−27 − 9 −35 + 2 +13 − 9 +10 − 4 +19 −43	0	1.33
81734	16 41 42.54	+01 10 52.0	5.74	H	250.427 252 89	+01.181 101 45	19.70	−101.96	53.42	0.82	0.56	0.86	0.92	0.68	+ 5 −27 + 1 +55 + 0 + 2 − 1 +74 − 2 +10	2	−0.48
81735	16 41 42.71	−13 21 45.7	9.63	G	250.427 978 10	−13.362 689 46	7.37	−21.42	−75.44	2.27	1.30	2.11	2.89	1.84	+18 −43 +12 +61 +37 −31 +38 +68 + 1 +35	6	0.21
81736	16 41 43.29	−47 33 11.2	9.50	G	250.430 360 70	−47.553 099 03	4.34	−1.76	−4.27	1.63	1.17	1.69	1.76	1.33	+22 −38 −25 +34 +26 + 7 +32 +27 −11 +20	0	0.36
81737	16 41 43.34	−43 53 58.6	10.00	H	250.430 601 74	−43.899 604 40	3.24	−10.53	−47.81	1.90	1.95	2.26	2.86	2.47	−39 +13 −42 −26 +38 −36 +30 −41 +23 −31	0	1.68
81738	16 41 43.40	+12 01 20.4	8.76	H	250.430 849 10	+12.022 328 73	0.81	−3.34	−4.05	0.93	0.83	1.32	1.22	1.04	− 2 −10 −37 +29 −13 +13 − 7 +38 −19 − 5	0	1.20
81739	16 41 44.40	+53 04 21.3	8.23	H	250.435 016 75	+53.072 570 95	3.31	9.68	11.91	0.63	0.65	0.74	0.68	0.74	+ 4 + 1 −10 −13 − 9 +15 − 8 −14 +23 + 4	0	−0.42
81740	16 41 44.50	−30 41 12.3	11.04	G	250.435 415 31	−30.686 763 27	−0.38	4.46	−29.97	2.77	1.90	3.28	3.57	2.40	− 8 −45 −18 +22 − 4 −40 −17 +36 +14 −21	0	1.03
81741	16 41 45.50	−33 08 44.2	5.84	H	250.439 563 03	−33.145 621 13	11.16	−58.83	−56.81	0.74	0.61	0.82	0.94	0.72	−15 −17 − 7 +25 − 4 +28 − 2 +40 − 5 −13	0	0.81
81742	16 41 47.91	−02 08 40.4	8.01	G	250.449 608 71	−02.144 561 94	6.19	−1.73	3.11	0.93	0.60	0.98	1.13	0.81	− 9 −22 − 3 +35 − 2 +10 + 2 +42 −10 −20	0	0.55
81743	16 41 48.40	−73 25 57.8	8.60	2 H	250.451 660 48	−73.432 730 64	4.28	−6.88	−24.28	0.57	0.80	0.97	0.58	0.89	+22 −23 + 5 −17 − 8 + 4 − 6 −14 − 9 +15	0	2.13
81744	16 41 48.62	−07 54 30.5	9.52	H	250.452 589 58	−07.908 478 69	4.98	3.04	−18.66	1.41	1.15	1.66	1.85	1.74	−40 + 5 −37 +28 −37 +20 −33 +68 −50 −42	0	1.08
81745	16 41 49.45	−16 21 48.9	8.84	H	250.456 056 64	−16.363 576 65	2.63	−2.76	−0.98	1.49	1.14	1.83	2.42	1.98	−34 +26 −42 + 6 −19 −27 −39 +63 −44 −19	0	1.02
81746	16 41 49.74	−45 22 06.6	7.03	H	250.457 268 54	−45.368 497 94	35.18	70.25	−94.54	0.81	0.70	1.01	0.82	0.69	+ 3 −41 −39 +14 − 8 +11 + 4 +29 −18 −22	3	0.49
81747	16 41 49.76	−27 06 19.3	8.42	3 H	250.457 319 68	−27.105 371 48 *	4.52	−7.59	−2.96	1.55	0.73	1.57	1.37	0.99	−15 −58 + 3 +19 +13 −15 +36 +38 −41 − 9	0	0.90
81748	16 41 50.22	+13 08 58.0	7.95	H	250.459 253 99	+13.149 430 97	19.26	4.30	−243.24	0.71	0.62	0.99	1.00	0.89	−39 + 3 −25 +46 −25 +26 −21 +55 −28 −25	0	0.14
81749	16 41 50.63	−54 44 57.5	8.00	H	250.460 962 70	−54.749 299 12	14.99	2.88	−147.25	0.83	0.64	1.00	1.09	0.78	+14 − 1 − 8 +31 +30 +13 +30 +43 −14 + 9	2	0.55
81750	16 41 50.90	−74 50 29.5	8.45	H	250.462 065 49	−74.841 536 62	7.68	−18.11	4.86	0.60	0.82	1.00	0.70	0.98	+14 −16 − 4 +23 − 5 − 7 − 7 +19 +11 + 9	4	−0.38
81751	16 41 52.01	−40 27 58.3	9.48	H	250.466 715 91	−40.466 182 28	8.33	−10.89	−21.61	1.40	0.96	1.75	1.22	1.06	+14 −57 −38 −22 − 6 +22 +21 + 1 −34 −33	0	−1.04
81752	16 41 53.28	+18 37 42.8	8.52	H	250.471 982 69	+18.628 561 98	4.74	−4.24	11.08	0.85	0.74	1.16	1.06	0.98	+38 −15 −12 +46 +30 +10 +35 +34 − 4 +47	0	0.15
81753 H	16 41 53.48	−63 24 09.6	8.95	2 H	250.472 820 72	−63.402 676 55 A	7.00	−16.18	−54.12	2.43	2.33	2.36	1.84	1.63	+36 + 4 − 1 −17 − 6 −16 −17 + 6 + 3 +30	1	0.60
81754	16 41 53.67	−19 55 28.1	5.55	H	250.473 642 00	−19.924 478 79 +	23.50	28.16	41.95	2.12	3.24	1.05	1.05	0.89	−10 −52 +26 +37 −14 −20 −21 −34 −22 −30	0	1.42
81755	16 41 53.74	+63 48 55.5	8.22	H	250.473 935 31	+63.815 413 58	19.60	−130.33	85.93	0.58	0.59	0.65	0.45	0.59	+ 8 −19 − 7 −41 −27 + 3 −26 − 2 +11 −13	1	1.44
81756	16 41 55.59	−75 07 11.5	8.76	H	250.481 625 23	−75.119 862 36	2.63	−2.61	13.38	0.65	0.90	1.08	0.77	1.03	− 3 −16 − 2 +12 −21 −17 −21 + 8 − 2 − 7	0	1.20
81757	16 41 57.22	+73 53 14.3	6.82	H	250.488 409 12	+73.887 294 50	8.26	−14.97	35.45	0.49	0.61	0.59	0.45	0.66	+ 5 −25 −13 − 8 + 9 − 7 +11 + 9 − 6 + 1	1	−0.40
81758	16 41 57.63	−18 56 16.0	9.52	G	250.490 117 51	−18.937 774 19	9.00	−74.39	79.60	1.51	0.94	1.58	2.09	1.35	−33 −11 − 6 − 7 +27 + 6 +31 + 7 −19 −47	0	1.87
81759	16 41 59.24	+19 58 02.7	8.71	H	250.496 840 66	+19.967 426 54	5.92	21.66	−101.60	0.91	0.77	1.19	1.06	0.94	+19 −24 −25 +40 +11 + 3 +13 +26 − 2 +18	0	−0.28
81760	16 42 00.73	−35 37 34.7	9.01	H	250.503 060 96	−35.626 302 55	2.47	−5.60	21.50	1.37	1.01	1.79	1.56	1.35	+ 2 −25 +11 − 1 −29 −28 −13 − 7 −46 +18	0	−0.80
81761 H	16 42 00.88	+57 11 05.6	7.96	H	250.503 648 94	+57.184 883 26 A	3.88	18.97	22.23	0.87	0.81	0.81	1.12	1.08	− 6 −13 −12 −18 + 6 +10 + 9 +13 + 2 − 6	1	0.30
81762	16 42 00.96	−61 51 50.6	8.98	H	250.504 020 67	−61.864 068 33	2.90	−34.25	−39.07	0.89	0.79	1.26	1.09	0.99	+16 −16 − 8 + 4 + 2 − 2 + 2 +43 + 4 +13	1	1.09
81763	16 42 02.13	+33 06 07.1	7.90	H	250.508 884 36	+33.101 985 84	12.45	−28.36	52.11	0.59	0.63	0.81	0.68	0.80	+11 − 8 −23 +38 +11 − 5 + 7 +11 −10 − 4	0	0.11
81764	16 42 05.48	−30 31 44.9	7.69	H	250.522 831 01	−30.529 139 26	3.57	−2.02	−10.15	1.03	0.84	1.24	1.41	1.00	+ 3 −23 −43 +20 − 1 − 4 + 2 +48 −26 − 5	0	0.09
81765	16 42 06.61	−28 50 44.9	9.00	H	250.527 533 06	−28.845 816 85	8.46	13.10	−46.11	1.23	0.93	1.39	1.47	1.06	−24 −20 −24 − 5 + 0 + 6 + 3 +11 −12 −26	0	1.28
81766	16 42 07.11	−06 56 09.3	8.38	H	250.529 626 04	−06.935 915 73	0.35	−32.15	−31.94	1.24	1.06	1.44	1.52	1.48	−44 −15 −40 +44 −55 +23 −35 +77 −47 −65	0	0.26
81767	16 42 07.28	−29 07 29.1	7.84	H	250.530 348 74	−29.124 751 63	18.14	37.66	−100.09	1.03	0.83	1.19	1.22	0.94	−25 − 2 −37 − 4 −26 + 7 −23 +33 −27 −30	0	−1.27
81768	16 42 07.32	+01 14 30.3	7.59	H	250.530 496 16	+01.241 757 93	13.48	−0.07	−19.78	1.11	0.70	1.25	1.12	0.83	− 5 −47 + 6 +59 − 5 −10 − 1 +71 − 6 + 1	0	1.71
81769	16 42 07.81	−36 33 22.9	9.45	H	250.532 555 17	−36.556 348 41	3.46	−4.63	−1.77	1.72	1.16	1.97	2.06	1.39	+14 −41 −36 − 2 − 1 + 4 + 7 + 8 −15 − 1	0	0.46
81770	16 42 07.92	+02 16 20.6	7.88	H	250.533 002 07	+02.272 397 45	3.52	6.26	4.36	1.86	0.86	1.42	3.43	1.70	+54 −56 −29 +77 +53 −41 +62 +75 −46 +84	0	1.07
81771	16 42 08.32	+76 10 16.3	8.76	H	250.534 659 09	+76.171 182 75	3.39	22.40	15.82	0.68	0.92	0.76	0.76	1.21	+ 9 −18 −14 −30 − 8 + 1 − 6 −52 + 2 +17	0	−1.19
81772	16 42 08.54	−34 27 42.5	8.97	H	250.535 566 10	−34.461 808 65	6.49	−6.54	−27.04	1.06	0.86	1.18	1.10	1.00	− 4 −25 − 8 + 1 −13 + 3 − 9 + 5 −15 −24	6	0.36
81773	16 42 09.20	−24 49 08.7	8.47	2 H	250.538 335 59	−24.819 079 74	2.86	−6.23	−5.06	1.00	0.60	1.04	1.38	0.81	−16 + 5 − 9 +10 +24 −17 +25 +38 +11 −25	2	−2.65
81774 H	16 42 09.75	+41 11 42.9	8.04	H	250.540 627 35	+41.195 243 62 A	6.38	−10.15	3.17	1.66	1.85	1.55	1.43	1.81	− 5 +13 − 7 + 2 −13 +20 −11 +11 −13 −17	1	1.13
81775	16 42 10.37	−31 30 14.8	9.44	H	250.543 219 02	−31.504 111 75	6.29	−14.07	−18.27	1.28	1.08	1.42	1.54	1.31	−38 −10 −17 + 3 −13 −17 −10 +31 + 3 −58	0	0.73
81776 H	16 42 10.54	+37 52 31.8	9.93	H	250.543 915 33	+37.875 495 94 *	5.70	−9.96	12.81	0.96	1.05	1.23	1.07	1.32	+14 + 8 − 9 − 5 + 1 + 2 + 3 +19 −12 + 1	1	3.17
81777	16 42 10.75	+25 25 37.6	9.28	H	250.544 796 10	+25.427 102 79	−0.34	−10.45	14.63	0.75	1.09	1.58	0.92	1.24	+11 −21 −33 − 4 − 9 − 5 − 5 +19 −12 − 9	0	−0.30
81778	16 42 11.31	+01 28 03.4	8.56	H	250.547 141 36	+01.467 607 21	4.26	−1.00	−15.94	1.37	0.89	1.60	1.54	1.14	− 9 −40 −13 +49 −15 − 2 − 8 +72 −22 − 4	0	1.06
81779	16 42 12.20	−67 29 07.1	7.99	1 H	250.550 845 36	−67.485 316 15	3.08	8.97	6.31	0.58	0.71	1.06	0.68	0.83	+17 + 4 + 2 −25 − 7 −22 − 6 −18 −11 − 1	0	−1.21
81780	16 42 13.97	−55 33 28.2	8.73	H	250.558 211 39	−55.557 837 81	−0.09	1.59	−1.78	0.92	0.80	1.29	1.20	1.04	+12 −17 −20 +26 − 2 + 7 + 9 +71 −25 − 4	0	−2.54
81781	16 42 14.15	+25 26 01.1	8.87	G	250.558 953 27	+25.433 633 05	8.99	6.64	169.68	0.65	0.93	1.36	0.79	1.04	+ 9 −26 −32 − 5 − 8 − 5 − 5 +14 −10 − 8	1	1.11
81782	16 42 14.33	−22 42 10.0	9.83	G	250.559 693 44	−22.702 780 12	11.69	−0.41	−30.77	1.35	0.93	1.51	1.56	1.20	−33 −21 −21 +14 −16 +14 − 4 +47 −29 −47	0	−0.49
81783	16 42 15.95	−20 03 43.9	8.75	H	250.566 446 74	−20.062 205 23	−0.42	3.39	−4.28	1.28	0.71	1.47	1.09	0.89	−22 −61 − 8 −10 −16 +21 +13 +36 −34 −50	0	2.00
81784	16 42 17.29	−64 07 43.3	11.26	H	250.572 036 99	−64.128 698 91	4.97	−11.55	1.90	1.60	1.48	2.39	1.88	1.73	+ 3 + 2 − 6 −35 −36 +10 −31 +21 − 2 − 8	0	2.22
*81785	16 42 17.41	−20 11 13.3	8.64	H	250.572 536 92	−20.187 028 58	−0.32	1.72	−0.89	1.12	0.63	1.23	1.05	0.78	−15 −52 − 5 − 2 − 2 − 2 + 9 +30 −13 −32	0	0.27
*81786	16 42 17.40	+34 51 42.0	8.80	H	250.572 482 84	+34.861 667 56	2.81	−24.33	−13.48	0.72	0.82	1.02	0.86	1.10	+ 6 + 5 − 5 + 6 +10 − 3 + 9 − 1 − 9 − 5	0	−0.24
81787	16 42 17.51	−50 47 35.4	10.15	H	250.572 973 51	−50.793 170 13	5.37	−4.21	−15.04	2.13	1.39	2.61	2.11	1.62	−31 −44 − 5 −20 +43 − 4 +51 +18 −43 −26	4	1.56
81788	16 42 17.53	+53 37 19.1	9.05	H	250.573 054 74	+53.621 966 50	2.44	2.27	8.81	0.83	0.76	0.88	0.97	0.96	+ 9 +11 −17 −20 − 2 + 6 + 4 − 2 +10 − 7	0	−0.12
81789	16 42 17.64	−32 47 19.7	9.07	G	250.573 486 89	−32.788 817 80	4.99	−12.35	−3.89	1.40	1.14	1.63	1.50	1.33	−12 −28 −33 +20 −29 +23 −12 +48 −27 −43	0	−1.50
81790	16 42 17.95	+32 26 19.4	8.50	1 H	250.574 796 62	+32.438 711 61	5.00	−38.65	43.71	0.59	0.68	0.84	0.68	0.86	+ 3 −14 −11 +20 + 7 − 6 + 7 − 5 + 2 + 1	0	−0.07
81791	16 42 19.99	−46 38 50.0	9.41	H	250.583 287 64	−46.647 208 67	6.73	−23.01	−28.68	1.67	1.18	1.81	1.94	1.31	+35 −42 −33 +33 +18 +20 +28 +44 − 8 +29	3	1.33
81792	16 42 20.38	+74 28 30.5	8.58	H	250.584 929 08	+74.475 139 74	1.87	−6.47	8.80	0.61	0.74	0.69	0.67	0.95	+ 9 − 9 − 3 − 8 + 2 − 4 + 0 −18 − 2 −12	0	−0.51
81793	16 42 22.32	−54 10 24.2	7.72	H	250.592 994 22	−54.173 384 14	−0.15	−2.00	−1.13	0.92	0.74	1.05	1.21	0.91	+30 −11 −13 +47 +43 + 8 +44 +57 −23 +22	0	−0.88
81794	16 42 22.37	+02 03 48.0	9.22	G	250.593 212 24	+02.063 334 13	17.97	70.96	−171.35	1.86	1.13	1.94	2.95	1.84	+11 −50 − 4 +46 +17 −29 +12 +69 −26 +59	0	0.69
81795	16 42 22.38	+13 02 28.4	8.56	G	250.593 269 41	+13.041 221 49	14.72	6.30	−18.30	0.89	0.70	1.17	1.22	0.94	−36 +17 −25 +56 −25 +31 −21 +54 −24 −16	0	−0.28
81796	16 42 24.60	−20 09 52.4	8.46	H	250.602 482 69	−20.164 548 88	7.26	8.86	−34.22	1.10	0.65	1.26	1.07	0.82	−18 −49 −14 + 1 −15 +12 + 5 +42 −26 −42	0	2.08
81797	16 42 25.20	−55 09 33.9	8.17	H	250.605 004 46	−55.159 422 77	5.88	−8.50	−7.18	0.79	0.62	1.02	1.01	0.77	+18 − 3 −20 +33 +23 + 9 +25 +53 −24 +11	0	−2.38
81798	16 42 25.92	−44 08 52.6	10.25	G	250.607 980 07	−44.147 952 46	1.11	−2.49	−1.01	2.00	1.70	2.27	2.69	2.23	−34 +23 −33 − 1 +26 − 6 +30 −12 +31 −27	3	1.09
81799 H	16 42 26.08	+21 35 34.4	7.21	H	250.608 680 84	+21.592 877 30 A	5.35	−10.05	3.20	0.96	0.93	1.27	0.86	0.90	−13 − 3 −22 −33 +12 − 8 + 8 −26 + 8 +32	2	0.95
81800	16 42 27.69	+49 56 12.1	6.48	H	250.615 380 18	+49.936 702 86	34.00	133.43	−107.77	0.47	0.45	0.50	0.51	0.48	+ 7 − 9 − 2 +16 +21 −22 +22 +13 − 4 +14	1	0.22

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
81701	9.961	0.020	8.846	0.013		0.961	0.019	T	0.95	0.01	L	8.8629	0.0016	0.020	149		8.82	8.90					1							
81702	5.793	0.007	5.674	0.008	A	0.169	0.033	G	0.18	0.03	R *	5.7347	0.0296	0.028	50	A	5.70	5.79		D	16413−4846	I 2	1 C P B							S P
81703	9.298	0.014	8.593	0.012		0.649	0.015	T	0.71	0.01	L	8.6428	0.0199	0.158	122		8.51	8.96	0.45	P 1 A			1							
81704	8.003	0.006	7.548	0.007	*	0.456	0.003	G	0.53	0.00	H *	7.5928	0.0010	0.013	141	*	7.57	7.61		D	16414+3016	H 1	2 C A	AB	149	0.810	0.018	3.29	0.08	S
81705	10.610	0.055	8.955	0.024		1.384	0.047	T	1.36	0.06	L	8.9769	0.0034	0.022	67		8.94	9.02					1							
81706	8.552	0.011	8.053	0.011		0.463	0.015	G	0.53	0.02	H	8.1080	0.0015	0.013	87		8.09	8.13		C			1							S
81707	9.465	0.017	7.957	0.009		1.268	0.015	T	1.23	0.02	L	7.9892	0.0015	0.015	138		7.96	8.02		C			1							S
81708	9.531	0.026	9.026	0.026		0.485	0.028	T	0.56	0.03	L	9.0507	0.0032	0.019	57		9.03	9.08		C			1							
81709	9.717	0.015	8.619	0.010		0.948	0.014	T	0.94	0.01	L	8.6683	0.0015	0.021	191		8.63	8.70					1							
81710	5.783	0.002	5.874	0.003		−0.078	0.003	T	−0.06	0.00	L	5.8748	0.0006	0.007	194		5.87	5.89					1							S
81711	8.240	0.014	8.149	0.017		0.099	0.007	G	0.11	0.01	H	8.1689	0.0021	0.014	43		8.14	8.19					1							
81712	10.740	0.062	8.036	0.014		1.595	0.214	G	1.57	0.22	J	7.6573	0.0056	0.027	41		7.60	7.70		U 2			1 S							
81713	8.847	0.012	8.325	0.012		0.499	0.013	T	0.57	0.01	L	8.3601	0.0012	0.011	97		8.34	8.38		C			1							
81714	10.912	0.047	10.393	0.048	*	0.487	0.060	T	0.56	0.06	L *	10.4869	0.0022	0.025	132	*	10.45	10.54		D	16415+4436	H 1	2 C C	AB	59	0.519	0.030	2.55	0.12	G
81715	10.183	0.034	9.783	0.036		0.390	0.020	G	0.46	0.02	H	9.8182	0.0080	0.061	89		9.66	9.90		U 2			1							P
81716	10.599	0.046	9.572	0.031		0.884	0.043	T	0.93	0.04	L	9.5650	0.0036	0.029	101		9.52	9.61		U			1 G							
81717	7.146	0.006	6.974	0.007		0.159	0.001	G	0.18	0.00	H	7.0114	0.0013	0.012	86		6.99	7.04		C			1							S
81718	9.249	0.015	8.753	0.014		0.521	0.015	G	0.59	0.02	H	8.7803	0.0014	0.017	112		8.75	8.82		C			1							
81719	9.831	0.032	9.098	0.027		0.657	0.032	T	0.72	0.03	L	9.1454	0.0034	0.017	61		9.11	9.17					1							
81720	10.645	0.044	10.180	0.046		0.450	0.020	G	0.52	0.02	H	10.2116	0.0035	0.029	92		10.16	10.27		C			1							G
81721	9.228	0.014	7.474	0.007		1.462	0.012	T	1.47	0.02	L	7.4693	0.0015	0.011	107		7.45	7.49					1							S
81722	9.158	0.012	7.882	0.007		1.086	0.011	T	1.05	0.01	L	7.9356	0.0016	0.018	188		7.91	7.97					1							S
81723	8.796	0.015	8.276	0.014		0.500	0.015	G	0.57	0.02	H	8.3348	0.0014	0.012	67		8.31	8.35		C			1							S
81724	6.312	0.005	5.044	0.003		1.095	0.038	G	1.13	0.03	C	5.0769	0.0008	0.005	69		5.07	5.09					1							S
81725	10.944	0.089	10.428	0.088		0.590	0.020	G	0.66	0.02	H	10.2959	0.0038	0.032	32		10.25	10.35					1							G
81726	7.696	0.006	7.135	0.005		0.525	0.007	T	0.60	0.01	L	7.1792	0.0010	0.008	132		7.16	7.20					1 O							S
81727	9.086	0.018	8.983	0.023		0.089	0.017	G	0.10	0.02	H	9.0124	0.0020	0.016	55		8.98	9.04		C			1							
81728	6.341	0.004	6.093	0.004		0.214	0.007	G	0.23	0.03	C	6.1326	0.0006	0.006	98		6.12	6.14					1							S
81729	6.392	0.003	5.966	0.003		0.402	0.004	T	0.47	0.00	L	6.0131	0.0005	0.007	161		6.00	6.03		C			1							S
81730						1.374	0.020	G	1.61	0.04	I	11.2454	0.0051	0.049	96		11.17	11.31		C			1							G
81731	7.964	0.009	6.646	0.005		1.119	0.008	T	1.08	0.01	L	6.6904	0.0011	0.007	91		6.68	6.71		C			1							S
81732	8.072	0.007	7.691	0.008		0.407	0.001	G	0.47	0.00	H	7.7288	0.0010	0.010	126		7.70	7.75					1							S
81733	5.595	0.004	5.647	0.004		−0.043	0.005	T	0.07	0.03	C	5.6435	0.0014	0.009	55		5.62	5.66					1							S
81734	6.120	0.003	5.766	0.003		0.336	0.004	T	0.39	0.01	L	5.8170	0.0006	0.005	113		5.81	5.83		C			1							S
81735	10.470	0.049	9.862	0.048		0.740	0.015	G	0.79	0.01	H	9.7856	0.0026	0.017	56		9.73	9.82					1							
81736	9.921	0.036	9.569	0.041		0.427	0.069	G	0.49	0.07	H	9.5877	0.0026	0.022	54		9.56	9.64					1							G
81737	10.882	0.072	10.075	0.058		0.730	0.071	T	0.78	0.05	L	10.1422	0.0047	0.030	49		10.09	10.19					1							G
81738	9.973	0.021	8.861	0.014		0.958	0.020	T	0.95	0.01	L	8.9234	0.0018	0.015	99		8.89	8.96		C			1							
81739	9.375	0.015	8.340	0.011		0.900	0.014	T	0.90	0.01	L	8.3918	0.0017	0.014	105		8.36	8.42		C			1							
81740						1.580	0.020	G	1.55	0.02	J	11.1018	0.0052	0.031	45		11.02	11.16					1							G
81741	6.652	0.005	5.916	0.006		0.653	0.004	G	0.72	0.00	H	5.9799	0.0010	0.007	48		5.97	5.99					1							S
81742	8.283	0.010	8.038	0.011		0.233	0.014	T	0.26	0.02	L	8.0817	0.0013	0.010	86		8.07	8.10					1							S
81743	8.704	0.009	8.604	0.010		0.097	0.013	T	0.11	0.01	L	8.6393	0.0027	0.026	168		8.60	8.69		U 2			1							P
81744	10.439	0.044	9.697	0.039		0.679	0.047	T	0.74	0.04	L	9.6546	0.0029	0.015	61		9.63	9.69		C			1							
81745	10.718	0.057	9.000	0.022		1.434	0.048	T	1.43	0.08	L	8.9821	0.0021	0.018	60		8.95	9.01					1							
81746	7.839	0.010	7.099	0.007		0.653	0.000	G	0.72	0.00	H	7.1635	0.0016	0.011	62		7.15	7.19					1							S
81747	10.536	0.036	8.693	0.014		1.565	0.032	T	3.95	0.04	O	7.9219	0.0063	0.257	110		7.63	8.62	127.70	P 1 A			1 V							
81748	8.794	0.009	8.018	0.008		0.690	0.015	G	0.75	0.01	H	8.0870	0.0011	0.014	151		8.07	8.11		C			1							
81749	8.910	0.012	8.071	0.010		0.754	0.012	T	0.80	0.01	L	8.1464	0.0011	0.014	116		8.12	8.17					1							
81750	9.125	0.012	8.518	0.011		0.564	0.012	T	0.64	0.01	L	8.5714	0.0017	0.019	149		8.53	8.61					1							
81751	9.996	0.030	9.542	0.032		0.442	0.035	T	0.51	0.04	L	9.5779	0.0028	0.020	63		9.54	9.61		C			1							G
81752	8.877	0.013	8.553	0.013		0.311	0.004	G	0.36	0.01	H	8.5942	0.0016	0.017	107		8.57	8.63					1							S
81753	10.423	0.027	9.108	0.015	*	1.117	0.024	T	1.08	0.03	L *	9.1156	0.0069	0.066	169	*	9.01	9.20		U 2	16419−6324	H 1	2 C A	AB	50	0.382	0.006	0.88	0.04	P
81754	6.064	0.003	5.616	0.004		0.436	0.004	T	0.50	0.00	L	5.6533	0.0007	0.006	82		5.64	5.66			16419−1955	I 1	1 O							S
81755	8.902	0.012	8.281	0.010		0.578	0.014	T	0.65	0.01	L	8.3452	0.0017	0.016	99		8.32	8.38					1							S
81756	10.020	0.022	8.878	0.014		0.982	0.020	T	0.96	0.02	L	8.9252	0.0018	0.025	152		8.89	8.98					1							
81757	7.088	0.004	6.854	0.006		0.223	0.007	T	0.25	0.01	L	6.8884	0.0008	0.009	97		6.88	6.90		D	16420+7353	I 1	1 S							S
81758	10.379	0.039	9.636	0.034		0.679	0.015	G	0.74	0.01	H	9.6556	0.0029	0.017	66		9.63	9.69					1 S							
81759	9.820	0.019	8.801	0.014		0.888	0.018	T	0.89	0.01	L	8.8633	0.0026	0.023	117		8.82	8.91					1							
81760	11.610	0.173	9.255	0.036		1.941	0.142	T	1.98	0.15	L	9.0966	0.0034	0.018	45		9.08	9.14					1 S							
81761	9.116	0.012	8.065	0.009	*	0.912	0.011	T	0.91	0.01	L *	8.1172	0.0011	0.012	108	*	8.10	8.15		D	16420+5711	H 1	2 C A	AB	70	0.861	0.017	3.13	0.06	S
81762	10.488	0.032	9.057	0.017		1.208	0.028	T	1.17	0.03	L	9.1433	0.0022	0.023	125		9.11	9.18					1							
81763	8.356	0.009	7.936	0.008		0.397	0.011	T	0.46	0.01	L	7.9943	0.0014	0.012	134		7.98	8.01		C			1							S
81764	9.442	0.029	7.842	0.015		1.307	0.134	G	1.39	0.02	A	7.8337	0.0021	0.010	47		7.82	7.85		C			1							
81765	9.760	0.035	9.099	0.031		0.603	0.035	T	0.67	0.03	L	9.1326	0.0018	0.014	51		9.11	9.16					1							
81766	10.537	0.051	8.536	0.018		1.658	0.043	T	1.68	0.04	L	8.4882	0.0019	0.013	72		8.46	8.52					1							
81767	8.709	0.015	7.923	0.012		0.683	0.005	G	0.74	0.00	H	7.9811	0.0013	0.010	52		7.96	8.00					1							S
81768	8.051	0.009	7.628	0.009		0.400	0.012	T	0.47	0.01	L	7.6870	0.0012	0.010	91		7.67	7.71		C			1							S
81769	11.366	0.102	9.688	0.038		1.402	0.086	T	1.38	0.10	L	9.5938	0.0034	0.019	55		9.56	9.63		C			1							G
81770	8.119	0.011	7.903	0.012		0.206	0.015	T	0.23	0.02	L	7.9407	0.0009	0.011	74		7.91	7.96					1							S
81771	10.204	0.028	8.897	0.016		1.111	0.025	T	1.07	0.03	L	8.9321	0.0021	0.017	92		8.90	8.97					1							
81772	9.633	0.024	9.044	0.023		0.551	0.025	T	0.62	0.02	L	9.0914	0.0032	0.020	57		9.05	9.12					1							
81773	10.148	0.023	8.635	0.012		1.272	0.020	T	1.23	0.02	L	8.6309	0.0024	0.021	124		8.59	8.67		U 2			1							
81774	8.406	0.009	8.108	0.010	*	0.283	0.012	T	0.32	0.01	L *	8.1159	0.0013	0.014	106	*	8.09	8.15		D	16422+4112	I 1	2 C A	AB	319	0.559	0.003	0.41	0.01	S
81775	10.193	0.040	9.488	0.034		0.636	0.040	T	0.70	0.04	L	9.5683	0.0035	0.028	62		9.52	9.62					1							
81776	10.534	0.039	9.980	0.037	*	0.519	0.048	T	0.59	0.05	L *	10.0419	0.0032	0.030	124	*	9.97	10.09		C	16422+3753	H 1	2 C S C	AB	282	0.190	0.053	1.47	0.83	
81777	9.863	0.015	9.290	0.014		0.480	0.015	G	0.55	0.02	H	9.3850	0.0023	0.029	222		9.34	9.44					1							
81778	8.990	0.014	8.604	0.015		0.392	0.015	G	0.46	0.02	H	8.6522	0.0018	0.015	82		8.63	8.67		C			1							
81779	10.101	0.020	8.190	0.008		1.587	0.017	T	1.61	0.02	L	8.0999	0.0021	0.021	177		8.07	8.14		U			1							
81780	10.207	0.026	8.859	0.015		1.143	0.024	T	1.11	0.02	L	8.8939	0.0017	0.017	141		8.87	8.93					1							
81781	9.556	0.011	8.919	0.010		0.539	0.010	G	0.61	0.01	H	9.0309	0.0021	0.029	219		8.98	9.08					1							
81782	10.634	0.044	9.955	0.038		0.650	0.020	G	0.71	0.02	H	9.9700	0.0019	0.022	87		9.94	10.00		C			1							G
81783	9.137	0.015	8.799	0.016		0.312	0.020	G	0.36	0.03	H	8.8300	0.0013	0.013	73		8.80	8.85		D			1							
81784	12.301	0.192	11.200	0.112		0.942	0.175	T	0.93	0.13	L	11.4060	0.0042	0.050	150		11.32	11.49					1							G
81785	8.755	0.012	8.627	0.014		0.130	0.015	G	0.07	0.01	L	8.6658	0.0023	0.016	82		8.64	8.69					1							
81786	10.195	0.027	8.933	0.016		1.075	0.025	T	1.04	0.02	L	8.9655	0.0020	0.023	117		8.93	9.01					1							
81787	10.716	0.047	10.202	0.051		0.483	0.063	T	0.55	0.07	L	10.2590	0.0056	0.041	97		10.17	10.32					1							G
81788	10.240	0.030	9.140	0.019		0.950	0.027	T	0.94	0.02	L	9.2085	0.0019	0.015	101		9.19	9.24		C			1							
81789	9.780	0.035	9.217	0.034		0.622	0.003	G	0.69	0.00	H	9.2104	0.0027	0.015	41		9.19	9.24		C			1							
81790	8.899	0.010	8.533	0.011		0.355	0.001	G	0.42	0.00	H	8.5850	0.0019	0.022	154		8.55	8.63		U			1							S
81791	10.033	0.039	9.492	0.039		0.507	0.049	T	0.58	0.05	L	9.5253	0.0033	0.018	49		9.49	9.55		C			1							G
81792	9.844	0.023	8.672	0.015		1.005	0.021	T	0.98	0.02	L	8.7432	0.0019	0.014	86		8.72	8.76		C			1							
81793	9.636	0.019	7.870	0.009		1.472	0.017	T	1.49	0.03	L	7.8544	0.0017	0.016	116		7.83	7.88					1							
81794	10.136	0.034	9.252	0.026		0.735	0.015	G	0.78	0.01	H	9.3643	0.0022	0.017	68		9.33	9.39		C			1							
81795	9.263	0.013	8.618	0.012		0.580	0.020	G	0.65	0.02	H	8.6863	0.0021	0.021	137		8.65	8.72					1							
81796	9.052	0.016	8.518	0.015		0.509	0.016	T	0.58	0.02	L	8.5741	0.0021	0.014	82		8.55	8.59		C			1							
81797	8.567	0.012	8.209	0.012		0.348	0.015	T	0.41	0.02	L	8.2555	0.0015	0.014	122		8.23	8.28		C			1							
81798	10.899	0.076	10.418	0.083		0.620	0.015	G	0.69	0.01	H	10.3951	0.0056	0.033	50		10.35	10.45		C			1							G
81799	7.335	0.007	7.184	0.007	*	0.145	0.009	T	0.16	0.01	L *	7.2599	0.0012	0.011	172	*	7.24	7.29		D	16424+2136	I 1	2 C A	AB	309	6.072	0.010	2.00	0.04	S
81800	7.119	0.005	6.527	0.005		0.541	0.011	G	0.55	0.03	C	6.5884	0.0009	0.008	115		6.58	6.60		C			1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg	mas	mas/yr		mas		mas	mas/yr												%	
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
81801	16 42 27.97	−56 48 00.3	7.52	H	250.616 524 87	−56.800 086 75	2.50	−4.41	−16.48	0.69	0.53	0.98	0.77	0.63	+15	−18	−25	+15	−	2	−	7	+	7	+52	−26	−	5	0	1.39
81802	16 42 28.65	−01 47 43.7	8.70	H	250.619 392 74	−01.795 463 25	3.93	−10.38	−18.69	1.09	0.75	1.15	1.42	1.00	−14	−	4	−21	+50	−14	+16	−	9	+57	−26	−23		0	0.89
81803 H	16 42 29.11	−37 04 44.9	6.47	H	250.621 277 41	−37.079 148 46 A	8.41	−22.13	−84.23	1.52	1.15	1.35	1.34	1.03	−40	+	4	−32	−33	+30	−15	+23	−30	−	1	−53		4	0.19
81804	16 42 29.78	−44 06 35.1	8.23	H	250.624 080 66	−44.109 749 20	2.67	1.08	−6.61	1.11	1.06	1.24	1.57	1.33	−41	+14	−33	−13	+34	−10	+33	−26	+32	−31			0	−0.03
81805	16 42 31.24	−77 32 51.0	8.06	G	250.630 169 93	−77.547 498 61	10.94	−22.65	5.60	0.51	0.63	0.75	0.57	0.69	−	2	−	6	+11	−	5	−13	−10	−11	+24	+10	−	9	3	0.82
81806	16 42 31.38	−49 24 19.5	10.43	H	250.630 759 95	−49.405 404 61	0.35	−22.20	−20.12	1.95	1.90	2.32	2.55	2.20	−20	−	9	−32	−	6	+26	+	0	+26	−13	+	5	−14	0	0.62
81807	16 42 31.44	−55 50 38.4	7.98	H	250.630 979 53	−55.844 007 59	0.50	−0.56	−1.68	0.86	0.63	1.05	0.98	0.77	+39	−26	−21	+54	+34	+	3	+42	+70	−26	+25			0	0.43
81808	16 42 31.48	−29 23 28.4	9.47	H	250.631 177 64	−29.391 216 33	6.37	28.73	1.09	1.32	1.05	1.60	1.65	1.17	−26	+	0	−40	−	5	−20	+14	−15	+35	−30	−31		0	−0.74
81809	16 42 33.71	−02 06 54.0	7.64	H	250.640 443 01	−02.114 999 29	3.09	−23.46	3.82	0.86	0.58	0.93	1.11	0.79	−18	−18	+	0	+28	−	1	+16	+	3	+37	−13	−22		0	−0.21
81810 H	16 42 34.83	+23 40 01.9	8.06	H	250.645 104 80	+23.667 189 32 A	15.76	−29.54	21.20	1.79	2.03	2.25	1.62	1.95	−	4	−12	+	2	−31	+	2	+	5	+	6	−18	−16	+	8	6	1.05
81811	16 42 35.20	+31 12 58.0	9.51	H	250.646 650 59	+31.216 112 19 A	6.00	−23.26	32.80	1.48	1.68	2.02	1.58	1.90	+14	−	4	+	3	+29	+16	+18	+17	−	3	−15	+	8	1	−0.07
81812	16 42 35.43	−11 10 28.5	7.38	H	250.647 621 34	−11.174 580 57	9.19	−32.13	−24.04	1.00	0.66	1.02	1.31	0.95	+	1	−31	+	5	+35	+16	−24	+17	+45	+11	−10		0	1.05
*81813	16 42 39.02	+68 06 04.1	7.56	G	250.662 579 09	+68.101 129 92	41.15	−282.36	427.58	0.54	0.60	0.57	0.61	0.70	+	5	−12	−	8	+18	+	5	+	3	+	7	+41	−17	+	2	0	0.08
*81814	16 42 38.99	−61 47 06.0	6.57	H	250.662 465 83	−61.785 009 59	2.60	−4.13	−3.16	0.53	0.49	0.77	0.66	0.62	+10	−18	−	9	+11	+	7	+	7	+	6	+41	+	9	+	8	0	0.24
81815	16 42 39.15	+48 24 23.7	8.41	2 H	250.663 116 67	+48.406 594 35	1.31	−4.16	7.87	0.69	0.66	0.80	0.84	0.79	+	3	−14	−	3	+	6	+	2	+	3	+	6	+	3	−33	−	7	3	0.79
81816	16 42 39.31	+53 35 06.7	9.13	G	250.663 779 54	+53.585 203 62	5.56	−12.29	32.91	0.80	0.67	0.81	0.99	0.90	+13	+10	−10	−16	−	2	+	9	+	3	−	7	+20	−	1	0	0.29
81817	16 42 40.32	−70 34 49.5	7.40	H	250.667 992 60	−70.580 422 43	5.28	−14.29	−28.00	0.37	0.58	0.77	0.37	0.65	+26	−26	−21	−	6	−14	−	7	−20	−20	+19	+21			2	0.30
81818	16 42 41.43	−42 07 06.3	9.58	H	250.672 611 63	−42.118 424 70	4.00	−17.49	−13.16	1.36	1.20	1.51	1.67	1.42	−26	−13	−	2	+33	−	5	+14	−	1	+23	−	7	−	2	0	−0.50
81819	16 42 46.65	−37 20 32.2	7.16	H	250.694 385 18	−37.342 288 99	18.98	−4.32	−92.83	0.93	0.74	1.06	1.07	0.82	−33	−24	−29	−26	+34	−26	+27	−29	+10	−60			0	−1.38
81820	16 42 46.80	−62 22 12.1	7.04	H	250.695 020 45	−62.370 038 89	4.75	27.14	−5.18	0.54	0.54	0.82	0.69	0.65	+	8	+	2	−	9	+	9	+	1	−	3	+	1	+41	+	7	+	8	0	0.40
81821	16 42 46.99	−27 11 15.4	7.91	H	250.695 776 35	−27.187 621 68	2.58	−28.36	−34.11	1.03	0.62	1.17	1.02	0.79	−18	−38	−	3	+	5	−19	−10	−	6	+34	−27	−22		0	−1.11
81822	16 42 47.42	−50 27 56.2	8.97	H	250.697 576 84	−50.465 605 46	2.18	−2.88	−9.51	1.15	0.93	1.30	1.51	1.00	−35	+	0	−12	−11	+43	−13	+32	+27	−15	−28			0	−0.02
81823	16 42 48.42	−62 33 14.1	6.23	1 H	250.701 749 10	−62.553 909 58	2.22	−1.12	−8.71	0.51	0.48	0.75	0.66	0.59	+	7	+	5	−10	+	3	+	3	−	3	+	3	+32	+	6	+	7	1	0.29
81824	16 42 50.06	−40 17 21.9	8.10	H	250.708 603 20	−40.289 404 18	3.35	−12.73	−20.00	1.21	0.93	1.61	1.10	1.06	+	1	−54	−38	−30	+	1	+23	+26	−13	−37	−50		3	−0.37
81825 H	16 42 50.28	+71 22 12.9	9.98	H	250.709 507 78	+71.370 248 62 *	−0.65	−0.16	−2.42	0.91	0.85	0.90	0.96	1.02	+	3	−15	+	0	−39	−	1	−15	+	2	−29	−14	+	3	0	−0.29
81826	16 42 50.43	+31 38 51.6	8.21	H	250.710 109 83	+31.647 675 74	4.00	20.03	−9.24	0.56	0.68	0.86	0.66	0.87	+	8	−	5	−11	+	7	+	6	−11	+	4	+	1	+14	+	6	0	−0.29
81827	16 42 51.74	−33 14 21.1	11.50	G	250.715 590 45	−33.239 183 90	30.26	−132.80	−276.22	3.16	2.59	3.63	3.88	3.17	−20	−21	−26	+24	−27	+21	−19	+34	−17	−15			0	−0.65
81828	16 42 51.82	+39 37 41.7	10.71	H	250.715 936 77	+39.628 239 34	−0.98	−0.54	−12.84	1.39	1.53	1.72	1.50	1.78	+23	−17	−	7	−16	−	8	−	9	−	2	+14	−	6	+	5	1	0.60
81829 H	16 42 52.23	+00 04 30.9	8.24	H	250.717 614 72	+00.075 238 97 *	5.56	9.73	3.72	2.93	1.54	1.57	1.86	1.21	+23	−15	+13	+59	+29	−	4	+26	+68	+	5	+47			0	0.28
81830	16 42 52.80	−79 01 27.3	6.73	H	250.720 008 11	−79.024 245 26	3.75	8.25	−6.69	0.43	0.49	0.60	0.44	0.55	+	3	−23	+	7	−	1	−	9	+	0	−	9	−	6	−	5	−10	0	1.02
81831	16 42 53.31	+20 31 54.2	8.95	H	250.722 105 45	+20.531 709 92	24.42	−33.06	−245.49	0.90	0.80	1.27	1.07	1.02	+12	−19	−18	+23	+18	−	4	+19	+21	−	1	+26			0	−0.97
81832	16 42 53.53	−40 37 13.9	8.13	G	250.723 047 63	−40.620 533 66	2.93	0.01	−1.38	0.92	0.70	1.14	0.87	0.81	−	2	−51	−23	−19	−	5	+23	+14	−12	−30	−32		0	−1.50
81833	16 42 53.74	+38 55 20.9	3.48	H	250.723 910 68	+38.922 461 03	29.11	35.58	−84.98	0.44	0.44	0.52	0.48	0.50	+18	−18	+	1	+	2	+20	+	0	+17	+18	+	0	+36		1	0.05
81834	16 42 55.07	+25 51 17.9	7.59	H	250.729 437 61	+25.854 969 50	3.15	−21.83	−17.44	0.47	0.64	0.92	0.58	0.72	+	7	−15	−19	−11	+	1	−10	+	0	+	6	−14	+11		0	−2.23
81835	16 42 55.87	+54 54 13.9	8.79	3 H	250.732 800 27	+54.903 859 87 *	2.39	6.02	−32.11	0.68	0.68	0.75	0.80	0.87	+	8	+	4	−	4	+	9	+15	+	9	+13	+	4	+	2	+15	3	2.05
81836 H	16 42 56.82	−60 55 34.3	8.05	G	250.736 740 39	−60.926 189 71 A	10.44	5.54	−20.13	2.05	1.79	1.95	2.18	1.88	+15	−12	+	1	+19	+	0	+11	+	1	+46	+	0	+29		0	3.87
81837	16 42 57.04	+15 39 15.6	7.41	H	250.737 660 97	+15.654 343 40	3.53	6.28	−15.86	0.61	0.50	0.99	0.94	0.75	+	6	−17	−10	+11	+17	−27	+16	+19	−36	+43			0	−1.03
81838	16 42 57.75	+10 56 30.2	8.27	H	250.740 620 91	+10.941 719 02	2.74	−6.94	3.67	0.78	0.72	1.07	1.01	0.90	−22	−	6	−21	+35	−21	+	8	−20	+46	−	7	−21		0	−0.29
81839	16 42 58.07	+19 22 09.2	10.88	G	250.741 952 72	+19.369 225 77	10.68	−344.06	4.78	1.73	1.31	2.02	2.02	1.65	+26	−16	−12	+49	+30	+	0	+37	+	8	−11	+36			2	−0.62
81840	16 42 58.40	+55 41 23.7	6.18	H	250.743 340 35	+55.689 923 69	11.04	55.80	80.28	0.49	0.48	0.51	0.53	0.58	+17	−	6	+	5	+16	+22	−15	+23	+12	−	4	+21		0	0.17
81841 H	16 43 00.54	−56 11 06.2	9.18	H	250.752 256 79	−56.185 052 05 A	4.51	−74.69	−174.02	2.75	2.35	3.63	2.90	2.65	+14	−24	−33	+19	+	5	−	9	+11	+63	−37	+	8		2	1.91
81842	16 43 00.64	−38 40 20.4	7.68	1 H	250.752 660 83	−38.672 341 26	3.06	−1.99	−30.63	0.88	0.62	1.02	0.89	0.67	−17	−43	−11	−16	+11	+12	+20	−	7	−21	−18			0	−0.02
81843	16 43 01.31	−08 57 04.4	8.70	G	250.755 460 83	−08.951 227 41	7.53	−13.50	−20.27	1.33	1.01	1.47	1.79	1.53	−30	−23	−27	+41	−36	+30	−13	+68	−41	−58			0	2.01
81844	16 43 01.46	−21 20 38.6	8.77	H	250.756 084 86	−21.344 048 90	7.25	−13.67	−59.76	1.45	0.74	1.36	1.59	0.87	+17	−48	−	4	+62	+35	−13	+39	+59	−32	+24			0	2.83
81845	16 43 01.65	−39 30 33.3	8.15	H	250.756 873 68	−39.509 237 07	11.53	−72.86	12.29	0.99	0.81	1.22	1.05	0.93	−22	−37	−31	−14	−11	+26	+	9	+	6	−32	−51			3	0.36
81846	16 43 02.89	+03 27 15.7	7.41	H	250.762 039 38	+03.454 362 78	10.08	−19.98	0.98	1.04	0.70	1.20	1.00	0.89	−	2	−54	−	2	+35	−	3	−	8	+	3	+64	−	5	−10	0	−0.10
81847	16 43 03.57	−46 04 13.0	6.22	H	250.764 859 09	−46.070 283 33	−0.20	−0.39	−3.89	0.89	0.66	1.08	0.86	0.63	+31	−52	−49	+13	+	0	+13	+14	+25	−17	+	7			3	−0.12
81848	16 43 04.22	+36 30 34.6	6.86	H	250.767 597 54	+36.509 622 47	1.78	0.06	8.42	0.45	0.49	0.59	0.48	0.56	−	5	−	3	−	5	−	5	+	8	−11	+	8	+	3	+	5	−	5	0	−1.23
81849	16 43 04.26	+34 19 22.6	8.79	H	250.767 765 09	+34.322 942 93	−0.74	−5.14	10.71	0.64	0.77	0.96	0.67	1.02	+	2	+	0	−18	+	8	+	7	−	2	+	7	+	2	−15	−21	0	−0.17
81850	16 43 05.15	−58 28 15.8	8.04	H	250.771 447 46	−58.471 045 55	4.00	−3.97	−9.24	0.72	0.59	1.04	0.73	0.70	+34	−44	−28	+20	+16	+	3	+22	+61	−18	+27		0	−0.73
81851	16 43 05.39	−26 27 30.6	8.44	G	250.772 470 68	−26.458 501 17	7.96	−13.35	−32.86	1.07	0.66	1.32	1.16	0.90	−36	−17	−10	+	0	−16	−	6	−	5	+48	−42	−37		0	−0.12
81852	16 43 05.42	−77 30 59.7	4.23	G	250.772 581 80	−77.516 571 82	20.69	−282.83	−355.03	0.37	0.40	0.51	0.40	0.44	−	1	−24	+11	−	1	−17	−	5	−18	+13	+10	−	7	1	1.08
81853	16 43 05.63	−36 38 01.8	8.11	H	250.773 466 11	−36.633 832 17	7.07	−10.21	−115.91	1.13	0.81	1.31	1.21	0.89	−	4	−40	−30	−	9	+	2	−	3	+	5	+	1	−	9	−23	0	−0.08
81854 H	16 43 06.14	+77 30 48.5	5.99	G	250.775 570 16	+77.513 470 98 A	27.78	56.38	206.46	0.63	0.81	0.69	0.58	0.92	+12	−16	−36	−15	−18	+18	−13	−28	+	2	+	7			2	−0.18
81855	16 43 06.50	+26 03 24.9	7.90	2 H	250.777 064 02	+26.056 928 85	0.95	2.70	−0.64	0.51	0.72	1.02	0.63	0.83	+	7	−14	−24	−12	−	5	−	1	−	1	+	9	−22	+	3	0	−1.88
81856	16 43 06.97	−61 19 05.3	8.82	H	250.779 021 38	−61.318 143 42	4.56	−17.56	−30.21	0.87	0.79	1.21	1.02	0.98	+31	−11	−	2	+30	+24	+19	+24	+57	+	8	+33			0	1.86
81857	16 43 07.42	+73 41 52.5	9.43	H	250.780 897 66	+73.697 914 05	4.66	−21.04	27.59	0.64	0.80	0.76	0.64	1.00	+	8	−20	−	4	−19	−	4	−	9	−	2	−18	−12	+13		1	0.90
81858	16 43 08.47	−31 20 42.7	8.78	H	250.785 285 90	−31.345 187 67	1.43	−9.54	−14.71	1.29	0.94	1.38	1.33	1.13	−32	−45	−	9	+13	−29	−21	−30	+39	+16	−55			0	0.01
81859	16 43 09.00	−54 46 51.3	8.41	H	250.787 501 12	−54.780 920 43	4.85	−53.22	−50.82	0.86	0.70	1.21	1.02	0.89	+20	−30	−37	+24	+25	−	4	+35	+47	−39	+	4			0	0.58
81860	16 43 09.65	−22 20 40.7	9.92	G	250.790 206 82	−22.344 651 79	6.05	−15.93	−2.49	1.42	0.94	1.54	1.56	1.22	−40	−31	−	2	+	8	−13	+12	−	2	+45	−24	−48		0	−0.25
81861	16 43 12.48	−04 09 00.7	7.67	H	250.802 010 17	−04.150 197 08	2.18	7.28	−11.45	0.98	0.65	1.03	1.13	0.84	−23	−21	−10	+23	+	3	+15	+10	+27	−12	−32			0	2.18
81862	16 43 13.92	+58 31 28.0	9.52	H	250.808 017 34	+58.524 446 53	26.46	47.86	−230.98	0.86	0.85	0.92	1.00	1.05	+	5	−	5	−	8	+	8	−	5	+12	−	5	+	5	+13	+21	0	−0.01
*81863	16 43 14.69	+12 52 42.2	7.45	H	250.811 193 31	+12.878 383 01	4.73	−13.69	−24.33	0.80	0.61	0.91	1.03	0.80	−21	−	5	−14	+58	−17	+15	−13	+51	−12	−11			0	1.20
*81864	16 43 14.66	−49 53 30.2	9.08	H	250.811 066 17	−49.891 725 73	7.48	4.11	3.80	1.15	1.01	1.28	1.71	1.21	−29	+	1	−19	−	1	+32	−	9	+25	+32	−12	−35		0	−0.46
81865	16 43 15.10	−08 45 25.2	10.06	H	250.812 924 63	−08.757 012 93	6.23	−15.22	20.96	1.80	1.28	1.92	2.52	1.95	−15	−14	−25	+46	−17	+27	−	2	+61	−41	−36			0	−0.92
81866	16 43 15.65	+59 28 59.3	10.05	H	250.815 190 67	+59.483 144 27	1.93	17.12	−11.77	2.30	2.30	2.43	2.79	2.93	+14	−18	−11	+	1	+	8	+	6	+	7	+16	+	4	+18	3				
81867	16 43 15.68	+37 03 03.6	8.47	H	250.815 314 33	+37.050 989 04	6.00	−14.77	34.41	0.63	0.67	0.83	0.75	0.81	+14	+10	−13	+10	+	9	−13	+	7	+	7	−	1	+	8	0	−0.61
81868	16 43 16.36	−18 27 29.8	8.97	H	250.818 151 56	−18.458 287 68	0.82	1.54	−4.11	1.44	1.02	1.69	2.33	1.73	−16	−	6	+10	+15	−	6	−37	+	9	+47	+35	−55		0	−0.98
81869 H	16 43 17.10	−09 53 25.3	10.13	H	250.821 265 55	−09.890 367 08 A	4.85	7.10	−12.72	3.83	2.94	3.40	4.29	4.14	−42	−23	−	3	+13	−18	+	1	−	5	+38	−12	−75	3	0.50	
81870	16 43 18.72	−14 02 05.4	8.05	G	250.827 990 12	−14.034 829 61	10.17	−38.58	−23.89	1.06	0.82	1.07	1.30	1.10	−33	−25	+25	+41	−15	−	6	−13	+62	+20	−41			0	0.39
*81871 H	16 43 20.44	+25 08 28.9	8.49	H	250.835 180 00	+25.141 356 56 A	4.44	2.79	3.86	0.84	1.37	1.74	0.99	1.51	+17	+	2	−22	−11	−12	+	6	−	4	+33	−24	−	5	2	−0.22	
*81872	16 43 20.44	+64 47 46.3	9.90	H	250.835 145 87	+64.796 206 24	5.88	3.92	9.22	0.78	0.80	0.84	0.67	0.95	+	2	−23	+	4	−40	−25	+	6	−21	+16	+	4	−18	0	−0.94	
81873	16 43 22.11	−67 25 56.3	6.02	H	250.842 139 46	−67.432 310 72	10.70	15.60	−31.10	0.39	0.45	0.66	0.45	0.52	+	6	−	7	−	8	−27	−	7	−12	−	5	−14	−	4	−16	0	−0.36	
81874	16 43 26.33	−28 18 41.2	8.14	G	250.859 728 10	−28.311 444 01	6.25	−22.61	−16.22	1.06	0.76	1.14	1.22	0.88	−	6	−25	−13	+20	+	0	+	2	+	0	+28	−	1	−15	0	−0.04	
81875	16 43 26.83	+23 11 47.1	8.84	H	250.861 775 38	+23.196 407 12	11.06	−30.28	32.10	0.79	0.73	1.07	0.76	0.86	−12	−13	−	4	−41	+11	+	5	+	8	−	7	−	2	+	2	3	1.09	
81876	16 43 27.82	−50 28 52.4	8.75	H	250.865 917 09	−50.481 233 65	3.23	−0.93	−0.45	1.16	0.93	1.33	1.49	1.04	−39	+	2	−13	−14	+38	−16	+31	+22	−13	−37			0	0.44	
81877	16 43 28.71	−71 24 01.8	9.58	H	250.869 633 73	−71.400 504 54	2.91	−4.79	−6.26	0.74	1.11	1.37	0.79	1.22	+32	−25	−23	+	9	−11	−	5	−14	−15	+	8	+30		0	0.36	
81878	16 43 29.60	+44 56 37.1	9.44	H	250.873 323 70	+44.943 640 81	10.83	−65.24	34.11	0.82	0.84	0.94	0.98	0.97	+	8	+	1	−	2	+12	+14	+	5	+14	+	5	−	4	+11	4	0.13	
81879	16 43 29.79	+42 36 57.9	8.34	H	250.874 107 66	+42.616 072 03	8.05	−38.65	39.31	0.75	0.69	0.78	0.86	0.89	+20	−26	−	4	−11	−	2	+	6	−	1	−16	−	7	+24	0	0.86	
81880	16 43 30.08	+20 42 58.3	7.19	H	250.875 342 03	+20.716 187 71	22.91	21.26	−30.70	0.69	0.62	0.98	0.72	0.69	+27	−34	−32	+20	+22	+	0	+25	+11	−	1	+39		0	1.17	
81881	16 43 30.91	+28 58 00.6	9.05	H	250.878 776 69	+28.966 832 66	5.30	6.25	−9.26	0.71	0.89	1.22	0.84	1.10	+21	−	2	−37	+	9	+	3	−14	−	4	+	3	−	7	+11	1	−0.06	
81882	16 43 32.95	−08 07 06.1	7.81	H	250.887 311 58	−08.118 368 12	4.53	−12.89	−4.39	1.35	1.02	1.39	1.71	1.47	−31	−27	−24	+49	−41	+14	−23	+75	−33	−52			0	2.65	
81883	16 43 32.97	−71 50 35.1	9.10	H	250.887 374 38	−71.843 078 98	3.50	−8.46	−16.48	0.65	0.94	1.22	0.69	1.05	+13	−13	−	2	+	1	−	3	−14	−	5	−	7	+12	+14	1	0.93	
81884	16 43 33.38	+12 25 06.8	7.21	H	250.889 074 02	+12.418 544 19	2.84	4.66	15.84	0.77	0.62	0.90	1.00	0.77	−19	+	8	−18	+55	−24	+27	−21	+49	−22	−18			0	0.36	
81885	16 43 35.02	+20 41 50.4	8.40	H	250.895 913 53	+20.697 334 14	3.40	6.10	−10.31	0.82	0.79	1.23	0.84	0.87	+35	−34	−33	+16	+27	−	1	+27	+14	+	5	+49		0	−0.17	
81886	16 43 37.54	+52 30 10.8	8.73	H	250.906 404 34	+52.502 986 84	0.97	4.20	2.25	0.69	0.67	0.76	0.69	0.75	+	0	−	4	−	3	−10	−	5	−	6	−	5	+	4	−	1	−	4	0	−1.23	
81887 H	16 43 37.70	−20 41 48.0	7.82	H	250.907 076 19	−20.696 663 54 A	4.21	−2.98	−18.07	1.52	1.08	1.21	1.31	0.88	−10	−25	+	0	+29	+11	−10	+21	+39	−18	−	7	1	−1.08		
81888	16 43 38.20	+39 55 03.6	9.80	H	250.909 187 19	+39.917 657 99	1.23	−51.81	−45.97	0.88	0.94	1.08	0.93	1.10	+	9	−	4	−	6	−14	−	4	−11	−	1	+24	−	5	−	2	0	0.65	
81889	16 43 38.52	+32 41 32.5	7.34	H	250.910 520 51	+32.692 349 54	6.30	−1.37	−17.53	0.51	0.59	0.74	0.58	0.76	+	0	+	3	−23	+29	+	8	−	1	+	5	+	2	−	4	−14	1	0.26	
*81890	16 43 38.82	+06 37 06.9	7.70	H	250.911 737 30	+06.618 583 05	3.33	−3.94	−8.48	0.94	0.67	1.02	0.97	0.79	−13	−40	−25	+54	−23	−	4	−13	+64	−23	−30			0	0.93	
*81891	16 43 38.73	−32 06 21.2	6.46	H	250.911 373 78	−32.105 888 75	4.16	−9.40	−23.03	0.75	0.63	0.80	0.76	0.70	−30	−37	−19	+23	−34	+	6	−26	+46	−	9	−51			0	0.43	
81892	16 43 38.97	−15 14 37.5	8.40	G	250.912 355 46	−15.243 738 89	7.25	−22.33	−21.59	1.33	0.86	1.27	1.76	1.26	+	0	−28	+14	+47	+20	−12	+19	+59	+	3	+18			0	0.63	
81893	16 43 39.71	−22 44 11.1	7.57	1 H	250.915 444 54	−22.736 422 11	4.85	−22.81	−24.92	0.91	0.50	1.00	0.85	0.63	−30	−56	+	6	+	5	+	1	+10	+17	+36	−28	−32		0	−1.11	
81894	16 43 39.82	+36 22 49.9	8.70	H	250.915 904 60	+36.380 522 21	1.91	−3.13	2.10	0.64	0.73	0.84	0.68	0.81	−	4	−	1	−13	−13	+	9	−	7	+	8	−	5	+	0	−	4	0	−0.91	
81895	16 43 40.22	+50 40 07.2	11.67	H	250.917 584 43	+50.668 661 36 B	13.50	17.97	−38.73	42.77	42.76	24.58	31.41	32.92	+	4	−	4	+14	+	6	+	8	−	7	+10	+12	+	2	+10	1

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
81801	9.696	0.015	7.717	0.006		1.677	0.013	T	1.98	0.04	O	7.6062	0.0015	0.015	179		7.58	7.63					1							
81802	10.565	0.041	8.864	0.018		1.420	0.035	T	1.40	0.06	L	8.8456	0.0015	0.012	91		8.82	8.87					1							
81803	7.462	0.009	6.594	0.006	*	0.776	0.008	T	0.81	0.01	L *	6.6142	0.0009	0.007	65	*	6.60	6.63		D	16425−3705	I 1	2 C A	AB	263	0.566	0.004	0.87	0.01	S
81804	10.158	0.040	8.407	0.018		1.460	0.035	T	1.47	0.06	L	8.3627	0.0020	0.014	50		8.33	8.38		C			1							
81805	8.548	0.019	8.054	0.018		0.427	0.015	G	0.49	0.02	H	8.1373	0.0011	0.011	153		8.12	8.16		C			1							S
81806	11.192	0.109	10.799	0.132		0.656	0.126	G	0.72	0.11	R	10.5660	0.0056	0.039	57		10.48	10.62					1							G
81807	7.934	0.007	7.973	0.009		−0.031	0.010	T	−0.01	0.01	L	7.9796	0.0010	0.013	164		7.96	8.00		C			1							S
81808	10.138	0.045	9.503	0.041		0.524	0.020	G	0.60	0.02	H	9.5822	0.0028	0.022	54		9.54	9.61					1							
81809	9.587	0.019	7.790	0.009		1.496	0.017	T	1.52	0.03	L	7.7689	0.0009	0.008	86		7.76	7.78		C			1							
81810	8.827	0.013	7.994	0.010	*	0.750	0.012	T	0.79	0.01	L *	8.2105	0.0019	0.018	148	*	8.18	8.24		D	16426+2341	I 1	2 C A	AB	288	5.320	0.005	0.06	0.02	S
81811	10.004	0.026	9.568	0.026	A	0.412	0.034	T	0.48	0.04	L	9.5982	0.0102	0.027	131	A	9.55	9.65		C	16426+3113	I 1	2 C A	AB	227	11.517	0.013	1.81	0.06	
81812	7.663	0.008	7.421	0.011		0.231	0.013	T	0.26	0.02	L	7.4457	0.0012	0.010	65		7.42	7.46					1							S
81813	8.522	0.009	7.634	0.007		0.769	0.001	G	0.81	0.00	H	7.6994	0.0011	0.013	122		7.68	7.72					1							S
81814	7.562	0.006	6.664	0.004		0.775	0.032	G	0.81	0.02	A	6.7224	0.0009	0.008	129		6.71	6.74					1							S
81815	10.471	0.032	8.674	0.013		1.527	0.028	T	2.79	0.07	O	8.3709	0.0231	0.243	110		8.10	8.74	466.00	P 1 A			1							S P
81816	9.468	0.018	9.168	0.019		0.310	0.015	G	0.36	0.02	H	9.1910	0.0016	0.016	105		9.16	9.22					1							
81817	7.393	0.004	7.399	0.005		−0.004	0.006	T	0.02	0.01	L	7.4084	0.0006	0.011	225		7.39	7.43		D			1							S
81818	10.194	0.042	9.626	0.039		0.531	0.051	T	0.60	0.05	L	9.6977	0.0045	0.027	54		9.65	9.75					1							G
81819	8.143	0.010	7.249	0.009		0.780	0.010	T	0.82	0.01	L	7.3046	0.0012	0.008	64		7.29	7.33					1							S
81820	8.292	0.008	7.141	0.006		0.989	0.008	T	0.97	0.01	L	7.2081	0.0011	0.010	129		7.19	7.23					1							S
81821	10.206	0.039	8.117	0.014		1.767	0.034	T	2.30	0.07	O	7.9605	0.0015	0.015	85		7.94	8.00					1							
81822	9.073	0.014	8.972	0.017		0.091	0.020	T	0.10	0.02	L	9.0024	0.0018	0.017	97		8.97	9.03					1							
81823	8.207	0.009	6.375	0.004		1.524	0.008	T	1.56	0.01	L	6.3523	0.0014	0.011	130		6.33	6.37		M	16428−6233	I 1	1							S
81824	10.239	0.036	8.314	0.014		1.598	0.031	T	1.62	0.03	L	8.2128	0.0016	0.013	55		8.19	8.24		C			1							
81825	12.215	0.182	10.098	0.039	*	0.722	0.126	G	1.69	0.14	S *	10.0841	0.0048	0.036	102	*	10.02	10.13		R	16428+7122	H 1	2 C S B	AB	286	0.154	0.016	0.47	0.75	
81826	9.579	0.020	8.310	0.012		1.081	0.018	T	1.04	0.01	L	8.3802	0.0012	0.015	146		8.35	8.41		C			1							
81827						1.437	0.012	G	1.77	0.03	I	11.6017	0.0105	0.069	36		11.32	11.72					1							G
81828	12.018	0.128	10.813	0.069		1.031	0.113	T	1.00	0.09	L	10.8818	0.0050	0.044	116		10.80	10.94		C			1							G
81829	9.549	0.016	8.364	0.010	*	1.015	0.015	T	0.99	0.01	L *	8.4052	0.0017	0.013	127	*	8.38	8.42		C	16429+0005	I 1	2 C A	AB	347	0.258	0.006	1.33	0.07	S
81830	8.480	0.008	6.874	0.005		1.345	0.007	T	1.31	0.01	L	6.8825	0.0007	0.009	158		6.87	6.90		C			1							S
81831	9.838	0.020	9.027	0.016		0.717	0.020	T	0.77	0.01	L	9.0923	0.0027	0.024	120		9.05	9.13					1							
81832	8.265	0.013	8.140	0.015		0.128	0.002	G	0.14	0.00	H	8.1779	0.0019	0.012	62		8.16	8.21					1							
81833	4.648	0.003	3.583	0.002		0.916	0.007	G	0.89	0.03	C	3.6411	0.0004	0.004	122		3.63	3.65			16428+3855	I 1	1							S
81834	9.087	0.010	7.710	0.006		1.165	0.009	T	1.13	0.01	L	7.7569	0.0012	0.014	207		7.73	7.78					1							S
81835	10.511	0.037	8.958	0.017		1.326	0.034	T	4.45	0.07	O	7.9997	0.0307	0.255	115		7.52	8.35		U 2 B			1 V							P
81836	9.172	0.023	8.771	0.024	A	0.403	0.015	G	0.47	0.02	H *	8.1486	0.0012	0.013	143	−	8.13	8.18		D	16429−6056	I 1	3 C C							S G
81837	9.201	0.013	7.547	0.007		1.383	0.012	T	1.36	0.01	L	7.5546	0.0014	0.012	134		7.53	7.58					1							S
81838	10.176	0.027	8.431	0.012		1.455	0.023	T	1.46	0.04	L	8.4061	0.0016	0.015	112		8.38	8.44		C			1							S
81839	11.450	0.081	10.813	0.073		0.601	0.020	G	0.67	0.02	H	10.9531	0.0041	0.031	92		10.91	11.02		C			1							G
81840	6.285	0.004	6.187	0.004		0.088	0.005	T	0.10	0.01	L	6.2133	0.0009	0.006	106		6.20	6.22		C			1							S
81841	9.750	0.021	9.088	0.019	*	0.604	0.021	T	0.67	0.02	L *	9.3125	0.0023	0.024	158	*	9.28	9.37		D	16430−5611	I 1	2 C A	AB	301	6.590	0.006	0.28	0.02	
81842	7.818	0.013	7.689	0.013		0.125	0.017	T	0.14	0.02	L	7.7265	0.0040	0.024	57		7.69	7.75		U 2			1							S
81843	9.376	0.021	8.775	0.019		0.581	0.015	G	0.65	0.01	H	8.8206	0.0015	0.014	68		8.80	8.86					1 S							
81844	9.461	0.018	8.848	0.017		0.609	0.015	G	0.68	0.01	H	8.8979	0.0018	0.016	88		8.87	8.93		C			1 G							
81845	9.272	0.023	8.235	0.016		0.891	0.022	T	0.90	0.02	L	8.2935	0.0020	0.015	59		8.27	8.31		C			1							
81846	7.774	0.010	7.429	0.008		0.317	0.003	G	0.37	0.00	H	7.4884	0.0018	0.010	76		7.47	7.51		C	16430+0327	I 1	1							S
81847	7.252	0.008	6.353	0.007		0.821	0.049	G	1.00	0.03	C	6.3824	0.0009	0.007	50		6.37	6.39					1							S
81848	8.867	0.010	7.013	0.005		1.541	0.009	T	1.60	0.02	L	6.9721	0.0011	0.009	141		6.96	6.99		C			1							S
81849	10.816	0.039	8.972	0.015		1.565	0.034	T	1.73	0.11	O	8.8974	0.0019	0.016	141		8.87	8.93		C			1							
81850	8.083	0.007	8.042	0.008		0.043	0.010	T	0.06	0.01	L	8.0648	0.0012	0.012	170		8.05	8.09		C			1							
81851	8.891	0.014	8.468	0.014		0.406	0.015	G	0.47	0.02	H	8.5314	0.0017	0.016	99		8.50	8.56					1							
81852	5.602	0.003	4.352	0.002		1.060	0.015	G	1.04	0.02	A	4.3954	0.0005	0.005	147		4.39	4.41			16431−7731	I 1	1							S
81853	9.273	0.022	8.207	0.016		0.914	0.021	T	0.91	0.01	L	8.2573	0.0023	0.016	63		8.23	8.28		C			1							
81854	6.501	0.005	6.062	0.005	A	0.430	0.021	G	0.50	0.02	H *	6.0949	0.0006	0.006	101	*	6.08	6.11		D	16432+7731	I 1	2 C D	AB	178	2.550	0.042	4.08	0.15	S D
81855	10.025	0.018	8.139	0.008		1.600	0.016	T	2.52	0.04	O	7.9173	0.0055	0.052	199		7.84	8.02		U 2			1							S
81856	9.420	0.014	8.867	0.013		0.518	0.017	T	0.59	0.02	L	8.9344	0.0019	0.016	144		8.90	8.96		C			1							
81857	9.998	0.027	9.482	0.027		0.485	0.034	T	0.56	0.04	L	9.5344	0.0016	0.014	104		9.51	9.56					1							
81858	10.304	0.040	8.917	0.021		1.173	0.035	T	1.13	0.03	L	8.9517	0.0015	0.016	61		8.92	8.97		C			1							
81859	9.076	0.014	8.467	0.013		0.566	0.014	T	0.64	0.01	L	8.5325	0.0014	0.015	115		8.51	8.56		C			1							
81860	10.706	0.042	10.000	0.036		0.652	0.020	G	0.72	0.02	H	10.0588	0.0023	0.021	93		10.03	10.10		C			1							G
81861	9.930	0.025	7.880	0.010		1.697	0.021	T	1.72	0.02	L	7.7775	0.0014	0.014	82		7.75	7.80					1							S
81862	10.697	0.045	9.648	0.029		0.901	0.042	T	0.94	0.05	L	9.6620	0.0025	0.021	109		9.63	9.70		C			1							
81863	9.392	0.020	7.610	0.009		1.484	0.017	T	1.50	0.03	L	7.5802	0.0013	0.013	115		7.56	7.61		C			1							S
81864	9.550	0.020	9.122	0.020		0.418	0.023	T	0.48	0.02	L	9.1777	0.0017	0.016	84		9.14	9.20		C			1							
81865	10.793	0.057	10.078	0.049		0.657	0.061	T	0.72	0.05	L	10.1984	0.0030	0.028	63		10.12	10.24		C			1							G
81866	11.640	0.092	10.223	0.042		1.197	0.079	T	1.16	0.08	L	10.2083	0.0043	0.037	105		10.14	10.27					1 X							
81867	9.773	0.017	8.573	0.011		0.990	0.015	G	0.97	0.01	H	8.6307	0.0010	0.013	130		8.61	8.65		D			1							
81868	10.922	0.063	9.189	0.024		1.446	0.053	T	1.44	0.08	L	9.1098	0.0026	0.019	66		9.07	9.14					1 S							
81869	11.367	0.100	10.305	0.058	*	0.921	0.088	T	0.92	0.06	L *	10.2838	0.0045	0.035	72	*	10.22	10.33		R	16433−0953	I 1	2 C A	AB	142	0.879	0.011	0.72	0.04	G
81870	8.671	0.013	8.121	0.013		0.558	0.010	G	0.63	0.01	H	8.1671	0.0014	0.011	82		8.15	8.20					1							S
81871	8.835	0.013	8.353	0.014	*	0.454	0.017	T	0.52	0.02	L *	8.5898	0.0016	0.021	249	*	8.56	8.63		D	16433+2508	I 1	2 C A	AB	62	2.677	0.013	2.44	0.07	S
81872	10.408	0.039	9.917	0.039		0.462	0.050	T	0.53	0.05	L	10.0009	0.0035	0.029	117		9.97	10.06					1							
81873	6.063	0.002	6.022	0.003		0.037	0.003	T	0.05	0.00	L	6.0394	0.0007	0.007	181		6.03	6.05					1							S
81874	8.660	0.015	8.163	0.014		0.443	0.015	G	0.51	0.02	H	8.2291	0.0026	0.014	57		8.20	8.27		C			1 S							
81875	9.374	0.012	8.876	0.012		0.468	0.015	T	0.54	0.02	L	8.9434	0.0021	0.021	161		8.90	8.98		C			1							
81876	9.930	0.023	8.892	0.016		0.903	0.021	T	0.90	0.01	L	8.9096	0.0023	0.018	93		8.88	8.94					1							
81877	9.627	0.014	9.563	0.018		0.058	0.020	T	0.07	0.02	L	9.6007	0.0025	0.029	181		9.56	9.66					1							
81878	10.406	0.033	9.569	0.026		0.737	0.032	T	0.78	0.02	L	9.5774	0.0023	0.027	127		9.54	9.61		C			1							
81879	8.694	0.010	8.371	0.011		0.305	0.020	G	0.35	0.03	H	8.4162	0.0019	0.015	116		8.39	8.44		C			1 G							S
81880	7.870	0.006	7.251	0.006		0.573	0.006	T	0.65	0.01	L	7.3127	0.0013	0.013	139		7.29	7.34			16435+2042	I 2	1							S
81881	9.498	0.017	9.064	0.017		0.410	0.022	T	0.48	0.02	L	9.1414	0.0021	0.021	147		9.10	9.18					1							
81882	9.311	0.021	7.942	0.012		1.159	0.019	T	1.12	0.02	L	7.9741	0.0010	0.011	52		7.95	7.99		C	16435−0807	I 1	1							S
81883	10.449	0.025	9.245	0.016		1.030	0.023	T	1.00	0.02	L	9.2643	0.0025	0.024	183		9.22	9.31					1							
81884	8.943	0.013	7.351	0.007		1.334	0.012	T	1.30	0.01	L	7.3606	0.0013	0.011	99		7.34	7.38					1							S
81885	8.340	0.007	8.387	0.009		−0.038	0.010	T	−0.02	0.01	L	8.3990	0.0016	0.018	137		8.37	8.43			16435+2042	I 2	1							S
81886	10.541	0.038	8.893	0.017		1.390	0.015	G	1.45	0.14	K	8.8682	0.0016	0.016	105		8.84	8.91		C			1							
81887	8.181	0.010	7.863	0.009	*	0.302	0.012	T	0.35	0.02	L *	7.8986	0.0013	0.010	90	*	7.87	7.92		D	16436−2042	H 1	2 C A	AB	156	0.395	0.020	3.15	0.08	S
81888	10.411	0.030	9.842	0.028		0.532	0.036	T	0.60	0.04	L	9.9160	0.0026	0.023	127		9.87	9.95					1							
81889	8.731	0.010	7.456	0.006		1.086	0.009	T	1.05	0.01	L	7.5083	0.0013	0.011	141		7.49	7.53					1							S
81890	9.104	0.017	7.781	0.011		0.843	0.015	G	0.86	0.01	H	7.8549	0.0013	0.015	89		7.83	7.88			16436+0637	I 1	1							S
81891	6.364	0.005	6.450	0.005		−0.076	0.002	G	−0.06	0.00	H	6.4441	0.0006	0.006	55		6.43	6.45		C			1							S
81892	8.885	0.016	8.439	0.016		0.446	0.015	G	0.52	0.02	H	8.5043	0.0019	0.016	75		8.48	8.53		C			1							
81893	7.716	0.008	7.594	0.009		0.110	0.011	T	0.12	0.01	L	7.6184	0.0036	0.023	100		7.58	7.64	1.63	P 1 A			1							S
81894	10.154	0.025	8.804	0.014		1.100	0.015	G	1.06	0.02	H	8.8724	0.0018	0.019	139		8.84	8.91					1							
81895	11.776	0.111	10.883	0.078	B	0.795	0.101	T	0.83	0.07	L	11.5460	0.1834			B				D	16437+5040	I 2	1 C I B							
81896	9.521	0.030	8.693	0.025		0.730	0.030	T	0.78	0.02	L	8.7589	0.0024	0.018	62		8.74	8.80					1							
81897	8.886	0.012	7.460	0.007		1.204	0.011	T	1.16	0.01	L	7.4835	0.0011	0.009	128		7.47	7.50					1 G							S
81898	10.179	0.024	9.104	0.016	A	0.931	0.022	T	0.93	0.02	L	9.1792	0.0273	0.026	120	A	9.13	9.21		D	16437+5040	I 2	1 C P B							
81899	10.287	0.037	9.919	0.040		0.390	0.020	G	0.46	0.02	H	10.0392	0.0034	0.024	75		10.01	10.08					1							G
81900	7.000	0.007	7.064	0.009		−0.054	0.010	T	−0.03	0.01	L	7.0496	0.0019	0.013	58		7.03	7.08					1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
1 2	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr		19	20	21	22	23	24	25	26	27	28	%	
	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18										29	30
81901 H	16 43 45.33	+51 32 32.7	7.83	H	250.938 875 99	+51.542 404 63	A	5.11	−34.21	31.36	1.39	1.26	1.21	1.33	1.15	− 4	+ 6	+ 2	+ 8	−13	−16	−10	+ 6	+ 4	−37	2	−0.05
81902	16 43 45.44	+60 49 51.9	8.71	1 H	250.939 353 10	+60.831 073 80		2.56	−11.81	−11.58	0.75	0.71	0.74	0.80	0.82	− 9	+ 1	−11	−37	+ 6	−10	+ 8	+17	− 4	−13	0	1.86
81903	16 43 45.70	−41 07 08.9	6.21	G	250.940 432 03	−41.119 140 06		7.58	−31.28	−26.40	0.70	0.56	0.85	0.67	0.65	− 7	−43	−11	−12	− 6	+10	+ 8	−13	−32	−25	0	−0.19
*81904	16 43 47.60	−38 09 22.5	6.05	H	250.948 349 06	−38.156 241 03		4.64	− 9.72	−43.20	0.84	0.57	0.94	0.81	0.62	−19	−47	− 9	− 8	+ 2	− 5	+ 6	+ 4	− 8	−33	0	2.18
*81905	16 43 47.53	−14 02 28.2	9.12	G	250.948 050 14	−14.041 156 14		11.31	−66.09	−64.08	1.20	0.90	1.21	1.49	1.19	−20	−15	− 5	+42	−11	− 9	− 9	+56	+10	−34	0	0.25
81906	16 43 49.38	+19 50 08.1	8.59	H	250.955 759 60	+19.835 575 06		3.77	− 8.09	9.81	0.86	0.77	1.09	0.93	1.03	+22	−24	−14	+37	+19	+ 0	+21	+29	− 1	+19	0	−1.88
81907	16 43 49.68	+16 28 14.7	9.20	H	250.956 985 48	+16.470 746 45		4.02	3.89	− 7.86	0.85	0.74	1.48	1.20	0.99	+ 8	−19	−30	+12	+24	−30	+23	+ 4	−24	+36	3	1.50
81908	16 43 50.12	−23 07 52.2	8.25	G	250.958 825 87	−23.131 173 52		9.51	34.74	−74.97	0.99	0.62	1.07	1.17	0.82	−19	−17	−14	+23	− 7	+ 3	+ 2	+57	−21	−30	0	0.09
81909	16 43 50.35	+07 31 09.5	8.32	H	250.959 805 82	+07.519 304 46		5.43	− 6.34	21.57	0.95	0.69	1.05	1.07	0.86	− 2	−25	−10	+46	−10	− 3	− 9	+49	− 4	−15	0	2.33
81910	16 43 51.45	−26 48 31.3	6.72	H	250.964 362 85	−26.808 696 36		21.26	−20.03	−102.51	0.78	0.61	0.89	0.86	0.73	−28	−22	−15	+ 5	−25	+ 6	−17	+23	−29	−37	3	−1.62
81911	16 43 51.74	+34 02 19.2	6.02	H	250.965 579 08	+34.038 663 33		18.19	−72.92	57.56	0.41	0.45	0.57	0.45	0.59	+ 1	− 7	−22	+ 3	+ 4	− 8	+ 2	− 1	− 3	−17	1	−0.65
81912	16 43 51.89	+26 13 51.7	8.57	H	250.966 189 56	+26.231 039 24		2.55	− 0.11	−14.12	0.58	0.79	1.09	0.70	0.89	+ 3	−16	−16	−14	+ 3	−14	+ 2	− 6	−12	+10	0	−0.73
81913	16 43 53.69	+04 01 09.9	8.23	H	250.973 696 74	+04.019 421 49		8.77	−39.51	− 5.26	1.19	0.74	1.22	1.23	0.92	+ 7	−42	−10	+59	+ 2	− 8	+ 8	+65	−16	+ 0	0	0.12
81914	16 43 54.09	−41 06 47.9	6.14	H	250.975 358 85	−41.113 293 62		6.72	−10.75	−20.67	0.69	0.55	0.85	0.65	0.63	− 7	−44	−12	−12	− 9	+12	+ 7	−12	−34	−26	0	−0.71
81915	16 43 55.20	−48 30 41.7	8.10	H	250.980 011 44	−48.511 582 32		2.55	0.32	− 4.20	1.01	0.83	1.11	1.13	0.95	−12	−26	− 9	+ 7	+21	+ 5	+21	+ 0	+ 1	−10	0	0.65
81916	16 43 55.72	+57 38 07.4	8.96	H	250.982 149 19	+57.635 387 26		3.71	− 6.56	8.98	0.75	0.70	0.77	0.93	0.88	+11	+ 5	−14	−10	+15	−10	+11	+15	+11	+24	0	0.94
81917	16 43 56.06	−15 18 27.2	9.70	H	250.983 567 43	−15.307 556 65		3.66	− 7.80	−12.66	1.47	1.00	1.49	1.95	1.45	− 4	−18	+ 4	+27	+ 2	−11	+ 4	+53	− 2	− 4	0	1.49
81918	16 43 56.20	−53 41 21.7	9.56	H	250.984 155 68	−53.689 351 24		1.59	− 1.19	− 3.01	1.21	0.99	1.39	1.60	1.18	+ 4	− 6	− 7	+44	+17	+17	+17	+60	−15	− 2	0	0.38
81919 H	16 43 56.32	+43 28 31.8	8.30	H	250.984 661 24	+43.475 513 13	A	36.59	−72.50	−62.95	2.04	2.24	2.13	1.84	2.09	− 2	−11	+ 2	+ 9	+ 4	+ 3	− 2	+ 6	+25	− 6	3	1.35
81920	16 43 56.70	−02 37 51.1	8.32	H	250.986 254 26	−02.630 866 40		8.83	− 7.04	0.61	1.19	0.69	1.20	1.42	0.86	+ 6	−22	−18	+54	+ 5	− 5	+ 8	+54	−22	+ 3	0	−0.73
81921	16 43 58.39	−36 38 21.0	9.08	2 H	250.993 305 40	−36.639 177 31		2.45	1.38	8.01	1.23	1.00	1.43	1.46	1.14	−22	−15	−23	+11	−11	+ 7	− 6	+27	−19	−31	0	−0.19
81922	16 43 59.66	+51 55 12.1	8.07	H	250.998 592 26	+51.920 020 97		1.29	− 5.38	− 8.92	0.62	0.53	0.66	0.72	0.65	− 8	− 1	− 3	−11	+ 0	−12	+ 1	− 5	+13	−24	0	−1.07
81923	16 44 00.40	+09 01 17.8	7.99	H	251.001 675 74	+09.021 609 92		4.18	− 2.18	0.82	1.00	0.78	1.19	1.01	0.93	−17	−44	−24	+45	−34	− 1	−19	+66	−27	−30	0	1.58
81924	16 44 01.04	+42 30 31.1	8.60	H	251.004 318 45	+42.508 642 16		9.56	6.98	−24.59	0.67	0.67	0.79	0.85	0.80	+ 9	−12	− 7	+ 7	+ 5	−18	+ 5	+ 3	−10	+22	0	−1.02
81925	16 44 01.05	+22 23 03.4	8.29	H	251.004 392 87	+22.384 291 61		2.64	− 8.56	−15.31	0.77	0.70	1.05	0.71	0.73	−15	−10	− 3	−70	+14	+ 3	+ 4	−27	−10	+ 7	0	0.06
81926	16 44 01.80	+42 41 58.2	8.76	H	251.007 488 25	+42.699 507 75		14.06	−169.37	−39.51	0.71	0.77	0.88	0.88	0.93	+ 9	−16	−17	+ 1	− 4	−13	− 5	+ 5	− 7	− 1	1	−1.06
81927	16 44 01.91	+28 14 28.9	8.93	H	251.007 956 63	+28.241 353 45		3.73	−10.30	− 1.48	0.63	0.82	1.08	0.75	0.98	+10	−20	−24	− 8	− 3	+ 1	+ 0	+ 5	−10	− 3	1	1.18
81928	16 44 02.07	−06 30 16.6	9.53	G	251.008 644 70	−06.504 601 59		1.09	− 2.97	4.06	1.45	0.98	1.73	1.79	1.34	−24	−23	−27	+30	−20	+15	− 5	+47	−40	−43	5	0.73
81929	16 44 02.29	+46 19 55.3	8.97	H	251.009 561 63	+46.332 026 63		4.26	−17.18	33.48	0.75	0.71	0.84	0.81	0.85	+10	− 7	+ 0	− 5	+ 9	−10	+11	+12	−25	+10	0	0.08
81930	16 44 04.73	−59 28 27.5	8.32	H	251.019 706 81	−59.474 308 50		2.56	− 9.51	−17.49	0.56	0.56	1.04	0.67	0.69	−10	−16	−23	+ 5	−26	+ 7	−20	+45	−19	−21	0	0.60
81931	16 44 04.79	−18 32 28.3	7.45	H	251.019 970 66	−18.541 203 05		3.78	8.02	− 7.77	1.03	0.72	1.22	1.58	1.22	−20	−11	+ 8	+13	−10	−33	+ 6	+48	+37	−60	0	1.19
81932	16 44 04.86	+29 45 43.7	9.99	H	251.020 230 62	+29.762 147 52		1.50	3.53	2.20	0.92	1.15	1.53	0.97	1.46	+ 3	− 7	−16	+ 9	− 3	− 1	− 6	− 3	− 9	−12	1	0.62
81933 H	16 44 10.57	+23 31 02.8	6.87	G	251.044 044 88	+23.517 458 11	A	6.42	−10.51	14.06	1.12	1.11	1.32	0.91	1.00	+ 8	−14	+ 0	−32	+ 2	+ 6	+ 5	−18	−19	−19	2	1.15
81934	16 44 14.01	+65 14 14.8	7.86	H	251.058 390 78	+65.237 448 01		3.63	− 9.26	−21.66	0.57	0.59	0.61	0.52	0.69	+ 3	−21	− 1	−24	−16	+ 0	−11	+26	− 6	−10	0	−0.39
81935	16 44 15.03	−38 56 36.6	7.52	H	251.062 629 88	−38.943 488 71		69.58	−19.18	−59.79	0.87	0.68	0.99	0.88	0.74	−28	−34	−12	−13	+ 9	+ 5	+14	− 9	−14	−35	0	−1.02
81936	16 44 15.23	−43 46 06.1	8.67	H	251.063 463 33	−43.768 357 02		5.75	−11.07	−14.34	1.37	1.38	1.48	2.14	1.87	−58	+ 6	−31	+37	−33	−12	−35	+44	+25	−67	0	0.09
81937 H	16 44 16.10	−58 34 07.0	7.91	G	251.067 072 66	−58.568 623 96	A	9.65	15.76	−65.05	2.12	1.98	2.15	1.66	1.51	+29	− 5	+ 0	− 1	+14	+ 9	+14	+47	− 7	+50	2	−0.25
81938	16 44 16.90	+31 49 25.7	8.44	2 H	251.070 397 82	+31.823 811 54		−0.37	3.64	−15.56	0.62	0.79	0.93	0.74	0.99	+18	− 6	−15	+27	+15	− 6	+14	+ 0	+ 8	+17	0	−0.17
81939 H	16 44 17.40	−27 27 22.4	6.58	G	251.072 518 11	−27.456 219 00	A	10.90	−11.23	−10.18	0.97	0.71	0.94	1.05	0.73	+19	−27	−32	+28	+ 7	+21	+17	+29	−15	+ 4	2	0.08
81940	16 44 17.56	+60 58 14.4	7.88	H	251.073 177 80	+60.970 666 60		6.73	− 2.84	12.97	0.60	0.61	0.64	0.69	0.69	− 7	+ 7	− 5	−28	+ 5	−26	+ 4	+16	+ 2	− 7	3	−1.93
81941	16 44 17.67	−22 31 24.7	7.57	H	251.073 633 76	−22.523 523 66		5.46	−14.96	−22.91	0.97	0.54	1.04	0.85	0.64	−36	−58	+13	+12	− 2	+ 7	+11	+39	−24	−31	2	−0.90
81942	16 44 17.74	−00 33 24.1	7.41	H	251.073 914 00	−00.556 696 54	A	3.15	− 3.76	− 3.94	1.75	1.22	1.40	1.54	1.16	+14	−40	+ 1	+40	+ 0	−20	+ 1	+62	− 7	+18	0	−0.12
81943	16 44 18.12	−00 33 36.7	10.39	H	251.075 494 77	−00.560 200 84	B	2.30	−20.27	23.48	37.56	20.67	15.07	14.49	11.70	+15	−38	+ 3	+21	− 7	−18	− 7	+55	− 8	+13	0	−0.12
81944	16 44 18.23	+07 19 02.9	8.03	H	251.075 976 18	+07.317 462 32		1.99	2.19	− 5.05	0.96	0.72	1.11	1.03	0.91	− 5	−37	−12	+43	−15	+10	− 9	+64	− 8	−18	2	1.38
81945	16 44 18.46	−49 46 20.2	8.04	H	251.076 900 64	−49.772 265 86		2.17	− 1.54	− 2.85	0.98	0.81	1.08	1.32	1.05	−23	− 6	−25	+ 6	+12	− 7	+20	+50	−18	−43	0	1.10
81946	16 44 20.62	+59 57 49.3	8.39	1 H	251.085 921 31	+59.963 701 67		6.63	− 3.82	−31.84	0.69	0.63	0.70	0.75	0.80	+ 3	−19	− 7	−12	− 2	+ 4	− 1	+21	+ 6	− 4	0	0.01
*81947	16 44 20.97	+54 55 02.4	8.06	H	251.087 383 92	+54.917 325 19		19.24	144.11	−283.10	0.57	0.59	0.66	0.62	0.67	+ 3	+ 0	−25	− 1	−11	+20	− 6	−15	+22	+ 7	1	−0.24
*81948	16 44 20.96	+46 15 10.0	8.59	G	251.087 347 96	+46.252 765 07		1.93	−19.21	7.26	0.65	0.66	0.75	0.71	0.76	+ 6	− 8	− 1	+ 2	+11	−15	+12	+10	−19	+11	0	0.42
81949	16 44 21.10	−44 22 43.2	7.95	H	251.087 929 33	−44.378 676 95		4.84	−11.59	−26.43	0.99	0.94	1.23	1.40	1.14	−39	−12	−42	−10	+21	−36	+ 5	−10	+34	−67	3	0.12
81950	16 44 21.76	−26 19 29.8	8.66	H	251.090 679 24	−26.324 954 28		2.78	27.09	−12.15	1.17	0.85	1.35	1.35	1.00	−20	− 5	−14	−20	+ 4	−23	+ 4	− 3	−19	−27	0	−1.15
81951	16 44 26.09	+18 34 07.1	8.50	H	251.108 689 91	+18.568 638 16		4.03	11.84	−49.35	0.80	0.70	1.06	1.05	0.98	+22	−13	− 7	+49	+22	− 6	+28	+27	− 7	+44	0	0.82
81952	16 44 26.69	−05 41 14.1	8.76	H	251.111 211 89	−05.687 236 23		12.51	−30.13	−19.39	1.08	0.74	1.32	1.18	1.03	−18	−30	−19	+18	− 7	−10	+ 6	+38	−29	−38	0	0.10
81953	16 44 31.81	−12 13 41.7	9.97	H	251.132 548 71	−12.228 244 13		3.48	− 5.18	1.39	1.93	1.25	2.09	2.92	1.93	− 2	−29	+ 0	+17	−12	−24	−10	+50	+ 7	−14	0	1.11
81954	16 44 32.12	+36 15 25.2	8.78	H	251.133 840 87	+36.257 009 09		2.32	2.94	0.11	0.68	0.77	0.92	0.69	0.90	+ 2	− 1	− 4	− 8	+ 3	− 4	+ 5	+ 6	+ 6	− 7	0	−1.17
81955	16 44 32.47	−50 53 58.2	10.53	H	251.135 283 72	−50.899 507 71		7.63	− 8.34	−27.60	6.07	4.40	7.65	7.19	5.05	−33	− 6	−27	−25	+32	−24	+30	+17	−30	−31	2	
81956	16 44 32.98	−60 26 35.1	8.63	H	251.137 396 85	−60.443 094 10		5.66	7.86	− 0.29	0.77	0.77	1.19	0.98	0.93	+ 5	−10	−28	+29	−19	+32	− 7	+66	−18	−10	0	−0.26
81957	16 44 33.77	−46 47 09.3	7.99	H	251.140 716 41	−46.785 919 10		−0.87	− 1.12	−16.30	1.16	0.88	1.36	1.34	0.94	+28	−40	−41	+30	+20	+10	+30	+28	−12	+29	0	−0.39
81958 H	16 44 33.90	+13 36 40.0	8.57	H	251.141 249 53	+13.611 105 41	A	2.62	− 6.47	3.13	1.19	0.94	1.59	1.72	1.25	−19	−17	+ 6	+39	+25	−10	+31	+26	−14	+46	2	−0.28
81959	16 44 34.54	+49 51 47.1	7.22	H	251.143 912 24	+49.863 085 10		10.49	11.05	−57.72	0.49	0.48	0.53	0.51	0.52	+ 6	+ 0	+ 3	+ 2	+13	− 9	+13	+15	+11	+ 9	3	0.98
81960	16 44 36.04	−44 57 46.9	10.14	H	251.150 184 35	−44.963 034 44		4.70	9.84	− 4.39	1.60	1.59	2.31	1.97	1.47	−12	−24	−63	−21	+38	−28	+21	−27	+22	−47	0	2.52
81961 H	16 44 36.21	+71 45 24.0	8.66	H	251.150 858 66	+71.756 660 83	*	16.42	−96.80	114.16	0.72	0.75	0.78	0.74	0.82	− 4	−10	+ 7	−22	− 3	−12	− 1	− 7	−13	− 3	0	2.01
81962	16 44 36.32	+20 44 16.0	9.25	H	251.151 331 81	+20.737 772 79		18.40	−265.12	−272.23	0.91	0.91	1.39	0.99	1.06	+21	−25	− 1	+17	+33	+10	+37	+ 8	+ 0	+54	0	0.79
81963	16 44 36.48	+48 15 51.8	7.71	1 H	251.152 017 82	+48.264 383 01		1.57	− 4.01	14.24	0.57	0.57	0.64	0.66	0.66	+ 3	+ 1	+ 2	+ 4	− 6	− 8	− 5	+19	− 7	− 6	1	0.58
81964 H	16 44 36.93	−29 38 08.5	9.21	H	251.153 857 42	−29.635 683 32	A	3.51	− 1.87	−38.56	4.10	2.48	4.07	4.79	2.65	−11	− 6	−34	+ 9	+12	− 3	+12	+32	−31	+11	0	0.30
81965	16 44 38.01	−32 28 53.3	8.66	H	251.158 394 07	−32.481 480 38		0.39	− 2.75	− 5.75	1.22	0.96	1.39	1.26	1.22	− 2	−48	−26	+17	− 5	+ 1	−10	+17	+13	−28	0	−1.21
81966	16 44 39.75	−53 09 08.2	5.96	H	251.165 640 97	−53.152 289 63		4.74	−10.74	− 9.66	0.70	0.60	0.77	0.96	0.75	− 2	−11	−19	+47	+ 2	+ 6	+ 6	+64	−23	−18	0	−0.55
81967	16 44 40.11	+38 37 23.3	8.59	2 H	251.167 121 46	+38.623 149 38		7.19	−10.48	28.43	0.66	0.65	0.77	0.66	0.68	+16	−19	− 6	−20	+ 9	+ 7	+ 7	+18	+ 1	+22	0	0.83
81968	16 44 40.47	−68 48 16.6	8.60	2 H	251.168 622 30	−68.804 618 60		1.59	− 4.35	− 9.65	0.58	0.86	1.21	0.78	1.15	+ 6	− 9	−14	− 5	+ 3	−12	+ 0	− 4	+22	− 1	0	2.15
81969	16 44 41.32	+04 54 45.1	8.20	H	251.172 162 38	+04.912 531 93		5.11	− 7.65	− 2.80	1.06	0.75	1.17	1.03	0.85	− 5	−35	−12	+56	−10	− 5	− 5	+67	−13	−12	0	−0.30
81970	16 44 42.19	−14 04 48.5	7.99	2 H	251.175 809 70	−14.080 150 40		3.32	− 1.18	− 1.36	1.08	0.74	1.14	1.31	1.08	−32	−42	− 2	+34	−23	−17	−16	+53	+ 2	−51	0	−0.72
81971	16 44 42.43	+02 19 58.6	7.46	H	251.176 773 06	+02.332 941 40		10.70	−26.09	−36.09	1.03	0.63	1.12	1.16	0.81	+16	−44	+ 5	+42	+13	− 7	+10	+62	− 5	+35	0	−1.36
81972	16 44 42.60	−40 50 22.6	5.64	H	251.177 508 90	−40.839 622 54		6.62	−11.52	−21.63	0.69	0.56	0.85	0.65	0.65	−12	−47	−23	−10	− 5	+24	+14	− 6	−33	−47	0	−1.08
81973	16 44 44.44	+35 00 26.5	9.43	H	251.185 151 96	+35.007 347 27		3.38	−10.97	−39.68	0.80	0.88	1.07	0.97	1.14	−10	− 4	− 8	− 5	+ 6	− 2	+ 8	+20	− 6	−16	0	−0.78
81974	16 44 44.61	+17 02 35.3	8.56	H	251.185 854 55	+17.043 142 89		4.19	6.84	− 3.32	0.86	0.74	1.39	1.05	1.05	+14	−44	−25	− 8	− 9	−11	−12	+ 1	−13	+22	0	0.34
81975	16 44 44.67	+32 35 30.8	8.47	2 H	251.186 142 50	+32.591 899 14		1.54	− 0.32	12.01	0.60	0.76	0.90	0.74	1.01	+16	− 9	−23	+13	+12	− 7	+10	− 9	− 5	+ 5	0	−0.82
81976	16 44 44.81	+09 30 27.9	8.07	H	251.186 721 69	+09.507 736 90		3.64	45.12	−97.25	1.18	0.68	1.08	1.25	0.80	+ 8	−25	−31	+69	− 6	+ 5	+ 0	+61	−26	− 8	0	−0.26
81977	16 44 45.92	+33 18 58.8	9.17	H	251.191 352 33	+33.316 342 41		3.20	− 0.31	− 4.12	0.82	0.92	1.14	0.98	1.19	+27	−12	−30	+33	+20	−13	+14	+ 3	+ 0	+ 9	0	−1.15
81978	16 44 47.10	+17 38 59.6	10.22	H	251.196 234 68	+17.649 894 46		2.55	3.99	−14.82	1.06	0.98	1.92	1.74	1.50	+ 7	−19	−19	+13	+25	−33	+26	+ 6	−25	+49	2	0.41
81979 H	16 44 47.22	+35 44 16.7	8.70	H	251.196 747 93	+35.737 984 73	A	8.47	− 4.60	42.01	1.80	1.65	1.86	1.81	1.67	+18	+ 3	+ 3	+ 0	+ 6	−11	+ 8	+ 2	+15	+22	2	0.73
81980	16 44 49.46	−15 29 43.3	10.35	H	251.206 066 30	−15.495 347 55		17.64	23.82	−21.23	1.91	1.33	2.00	2.83	1.97	−14	− 7	−10	+21	− 1	−15	−11	+56	−19	+12	0	−1.03
81981	16 44 49.87	−27 27 21.8	7.94	H	251.207 773 90	−27.456 064 12		10.87	−26.74	−20.00	1.06	0.70	1.20	1.18	0.80	+ 9	−44	−37	+25	− 7	+ 9	+ 5	+34	−21	−12	0	−0.10
81982	16 44 49.97	+13 59 17.5	9.63	H	251.208 223 68	+13.988 203 14		1.61	− 0.91	3.90	0.84	0.71	1.29	1.15	0.97	− 5	−16	+ 3	+20	+29	+ 4	+31	+16	− 1	+38	4	1.94
81983	16 44 51.71	+09 57 06.4	7.88	H	251.215 439 09	+09.951 769 24		2.21	8.46	−22.19	0.80	0.64	0.98	0.87	0.77	−23	−27	−11	+42	−24	+ 8	−17	+50	−17	−32	0	−0.53
81984	16 44 52.50	−41 55 27.6	8.69	H	251.218 762 19	−41.924 342 74		3.74	− 6.05	−12.79	1.10	0.84	1.25	1.28	1.14	− 3	−36	+ 0	+19	− 4	+14	+ 5	+19	−22	+ 8	0	−0.14
81985	16 44 53.01	−30 23 42.4	9.05	H	251.220 884 88	−30.395 106 78		−1.58	− 1.65	− 0.94	1.28	1.04	1.58	1.58	1.08	−21	− 6	−39	+ 7	− 8	+ 3	− 6	+31	−28	−22	0	1.22
81986	16 44 53.83	+50 48 43.4	8.85	H	251.224 273 48	+50.812 051 83		3.77	−14.07	1.56	0.71	0.77	0.80	0.83	1.01	+ 3	−13	+11	+17	+ 8	−16	+11	+29	+ 7	− 6	0	1.42
81987	16 44 57.66	−46 06 51.3	8.12	H	251.240 235 59	−46.114 238 74		5.05	− 5.37	−33.85	1.20	0.89	1.36	1.34	0.93	+30	−40	−39	+28	+18	+11	+27	+26	−11	+23	0	1.78
81988	16 44 58.09	+06 02 39.4	10.31	G	251.242 050 71	+06.044 270 24		21.78	−220.30	−256.60	1.63	1.11	1.73	2.22	1.42	+ 6	−29	−17	+33	− 5	− 7	− 2	+48	−12	+ 7	0	1.06
81989	16 44 59.04	+51 24 42.6	8.81	H	251.245 983 34	+51.411 834 98		3.81	20.95	−19.69	0.71	0.65	0.74	0.84	0.82	+ 2	+ 8	+ 2	+14	+14	−12	+15	+17	+ 2	+ 2	1	1.04
81990	16 44 59.84	−00 36 52.9	7.64	1 H	251.249 336 27	−00.614 693 87		1.98	− 2.12	− 1.94	1.00	0.65	1.04	1.01	0.76	+10	−34	− 8	+55	+ 2	− 8	+ 5	+70	−11	+ 5	0	0.15
81991	16 45 00.11	+06 05 19.6	6.55	G	251.250 460 52	+06.088 785 83		21.06	−215.13	−257.19	0.96	0.60	0.91	1.19	0.75	+ 1	−24	−14	+52	− 5	− 5	− 3	+57	−14	+ 0	0	0.37
81992	16 45 00.21	−28 30 34.8	5.99	H	251.250 867 97	−28.509 656 21		4.32	−28.20	− 0.47	0.76	0.52	0.84	0.87	0.57	− 7	−32	−20	− 6	− 9	+ 5	− 2	+23	−12	−20	0	0.49
81993	16 45 00.58	+10 34 19.7	9.51	H	251.252 398 88	+10.572 135 88		−0.07	− 7.96	−21.37	0.84	0.83	1.23	1.09	1.05	−37	−10	− 9	+23	−23	+ 7	−24	+44	− 3	−30	0	0.84
81994	16 45 00.60	−07 05 57.5	8.36	H	251.252 485 50	−07.099 295 21		5.18	−40.20	−34.57	1.13	0.81	1.32	1.51	1.07	−22	+ 1	−31	+23	−24	+17	−19	+48	−39	−24	0	0.53
81995	16 45 01.29	−48 47 26.4	10.69	H	251.255 376 27	−48.790 659 37		1.83	−10.78	− 5.66	2.26	1.74	2.40	2.69	2.01	−34	−17	−14	+25	+32	+ 2	+31	− 7	− 5	−31	0	0.47
81996	16 45 02.40	+23 43 04.0	7.32	H	251.259 983 55	+23.717 772 43		20.28	−164.81	−29.63	0.53	0.55	0.78	0.56	0.61	− 3	−15	−10	−33	+ 1	+ 0	+ 3	−18	−16	− 2	0	0.61
81997 H	16 45 02.47	−55 43 08.5	7.92	H	251.260 299 12	−55.719 020 88	A	0.65	− 0.19	− 4.81	0.98	0.92	1.25

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data										Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
81901	8.491	0.014	7.906	0.011	*	0.546	0.016	T	0.62	0.01	L *	7.9466	0.0016	0.012	106	*	7.93	7.97		D	16438+5133	I 1	2 C A	AB	303	0.481	0.002	0.48	0.01	S
81902	10.798	0.040	8.938	0.015		1.579	0.035	T	2.41	0.07	O	8.7438	0.0028	0.027	111		8.70	8.79		U			1							
81903	6.391	0.006	6.232	0.005		0.143	0.003	G	0.16	0.00	H	6.2619	0.0009	0.007	60		6.25	6.27		C	16438−4107	I 2	1							S
81904	5.976	0.004	6.040	0.005		−0.054	0.006	T	−0.03	0.01	L	6.0379	0.0011	0.005	61		6.03	6.05		C	16438−3810	I 1	1							S
81905	9.730	0.026	9.151	0.025		0.564	0.015	G	0.64	0.01	H	9.2503	0.0019	0.016	74		9.22	9.28		C			1							
81906	9.135	0.013	8.651	0.013		0.456	0.017	T	0.53	0.02	L	8.6934	0.0017	0.015	100		8.67	8.73					1							
81907	10.570	0.033	9.325	0.020		1.062	0.030	T	1.03	0.03	L	9.3656	0.0017	0.021	125		9.33	9.41		C			1							
81908	8.876	0.012	8.288	0.011		0.541	0.015	G	0.61	0.02	H	8.3602	0.0019	0.014	105		8.33	8.38					1							
81909	9.800	0.026	8.468	0.015		1.130	0.023	T	1.09	0.02	L	8.4878	0.0013	0.011	84		8.46	8.51					1							
81910	7.535	0.009	6.788	0.007		0.674	0.015	G	0.73	0.01	H	6.8552	0.0015	0.007	60		6.85	6.88					1							S
81911	6.392	0.003	6.054	0.003		0.321	0.004	T	0.37	0.01	L	6.1011	0.0008	0.006	140		6.09	6.11		C			1							S
81912	9.086	0.010	8.617	0.010		0.442	0.013	T	0.51	0.01	L	8.6703	0.0015	0.022	185		8.63	8.71					1							S
81913	9.507	0.020	8.340	0.013		1.001	0.019	T	0.98	0.01	L	8.3969	0.0012	0.013	80		8.37	8.42					1							
81914	6.045	0.005	6.120	0.005		−0.078	0.004	G	−0.06	0.01	H	6.1210	0.0009	0.006	59		6.11	6.14			16438−4107	I 2	1							S
81915	8.219	0.015	8.121	0.018		0.100	0.015	G	0.11	0.02	H	8.1401	0.0018	0.012	57		8.12	8.16					1							
81916	9.256	0.014	8.974	0.015		0.271	0.015	G	0.31	0.02	H	9.0327	0.0018	0.015	105		9.01	9.07		C			1							
81917	10.591	0.050	9.849	0.041		0.782	0.015	G	0.82	0.01	H	9.8539	0.0019	0.016	68		9.81	9.89		D			1							
81918	9.739	0.021	9.561	0.027		0.171	0.032	T	0.19	0.03	L	9.6203	0.0031	0.027	105		9.56	9.67					1							G
81919	9.918	0.027	8.619	0.016	*	1.052	0.014	G	1.02	0.01	H *	8.4625	0.0021	0.018	102	*	8.44	8.50		D	16439+4329	I 1	2 C A	AB	130	0.938	0.003	0.14	0.01	
81920	9.014	0.014	8.385	0.013		0.585	0.017	T	0.66	0.02	L	8.4431	0.0013	0.013	81		8.41	8.47					1							S
81921	11.790	0.168	9.485	0.034		1.945	0.141	T	2.09	0.42	K	9.1537	0.0060	0.040	59		9.07	9.20		U 2			1 S							G
81922	9.936	0.025	8.216	0.011		1.435	0.022	T	1.43	0.04	L	8.2061	0.0017	0.014	98		8.18	8.23					1							
81923	9.252	0.020	8.107	0.013		0.984	0.019	T	0.96	0.01	L	8.1557	0.0018	0.013	86		8.14	8.18					1							
81924	9.172	0.015	8.663	0.014		0.478	0.019	T	0.55	0.02	L	8.7108	0.0015	0.017	115		8.68	8.74		C			1							S
81925	9.764	0.015	8.421	0.009		1.139	0.014	T	1.10	0.01	L	8.4602	0.0016	0.019	175		8.42	8.49					1							
81926	9.604	0.019	8.818	0.016		0.714	0.019	T	0.77	0.02	L	8.9013	0.0021	0.017	109		8.87	8.93					1							
81927	9.086	0.010	8.944	0.012		0.137	0.015	T	0.15	0.01	L	8.9811	0.0018	0.020	169		8.95	9.02					1							
81928	10.339	0.046	9.655	0.039		0.700	0.020	G	0.76	0.02	H	9.6672	0.0028	0.020	64		9.63	9.74		C			1							
81929	9.294	0.015	8.993	0.016		0.286	0.021	T	0.33	0.03	L	9.0394	0.0023	0.020	114		9.00	9.07		C			1							S
81930	8.383	0.007	8.318	0.009		0.065	0.011	T	0.07	0.01	L	8.3436	0.0014	0.016	189		8.32	8.38					1							
81931	9.609	0.024	7.667	0.010		1.611	0.021	T	1.63	0.02	L	7.5619	0.0018	0.012	63		7.55	7.58					1							S
81932	11.290	0.052	10.101	0.029		1.018	0.046	T	0.99	0.04	L	10.1597	0.0030	0.038	149		10.08	10.23					1							
81933	7.618	0.015	7.080	0.020	A	0.563	0.015	G	0.64	0.01	H *	6.9765	0.0016	0.015	160	*	6.95	7.00		D	16442+2331	I 1	2 C A	AB	74	1.223	0.004	0.46	0.01	S
81934	9.441	0.017	7.995	0.010		1.219	0.015	T	1.18	0.01	L	8.0216	0.0011	0.013	106		8.00	8.05					1							S
81935	8.844	0.019	7.639	0.012		1.024	0.018	T	1.07	0.02	L	7.6645	0.0015	0.015	62		7.64	7.69					1							
81936	8.944	0.020	8.688	0.023		0.240	0.031	T	0.27	0.04	L	8.7411	0.0032	0.021	49		8.71	8.78					1							
81937	8.499	0.010	7.977	0.009	*	0.521	0.015	G	0.59	0.02	H *	8.0176	0.0015	0.015	215	*	7.99	8.04		D	16443−5834	I 1	2 C A	AB	154	0.359	0.002	0.14	0.02	S
81938	10.656	0.036	8.680	0.013		1.638	0.030	T	1.66	0.03	L	8.5520	0.0036	0.036	142		8.47	8.62		U 2			1							
81939	6.725	0.006	6.617	0.007	A	0.097	0.006	G	0.11	0.01	H *	6.6172	0.0008	0.007	58	*	6.61	6.63		D	16443−2727	I 1	2 C A	AB	13	2.010	0.013	3.48	0.08	S
81940	8.056	0.008	7.905	0.008		0.145	0.011	T	0.16	0.01	L	7.9354	0.0010	0.013	107		7.91	7.95					1							S
81941	7.734	0.007	7.594	0.007		0.127	0.009	T	0.14	0.01	L	7.6155	0.0013	0.010	104		7.60	7.63		C			1							S
81942	7.614	0.006	7.425	0.006	A	0.181	0.008	T	0.20	0.01	L	7.4689	0.0041	0.017	132	A	7.45	7.50		D	16443−0033	I 2	1 C P A							S
81943	10.906	0.069	10.223	0.058	B	0.631	0.074	T	0.70	0.07	L	10.6966	0.0741			B				D	16443−0033	I 2	1 C I A							
81944	10.127	0.029	8.230	0.012		1.576	0.025	T	1.59	0.03	L	8.1509	0.0013	0.011	80		8.12	8.17		C			1							
81945	10.139	0.028	8.207	0.011		1.603	0.024	T	1.62	0.03	L	8.1523	0.0015	0.015	104		8.13	8.18					1							
81946	9.248	0.015	8.465	0.013		0.711	0.015	T	0.77	0.01	L	8.5368	0.0017	0.020	108		8.51	8.57		U			1							S
81947	8.881	0.011	8.125	0.009		0.646	0.009	G	0.71	0.01	H	8.1945	0.0012	0.015	115		8.17	8.22		D			1							S
81948	8.546	0.010	8.571	0.012		−0.040	0.014	G	−0.02	0.01	H	8.5967	0.0016	0.013	115		8.57	8.62					1							S
81949	8.239	0.014	7.957	0.017		0.267	0.023	T	0.30	0.03	L	8.0268	0.0024	0.013	50		8.00	8.05		C			1							S
81950	10.620	0.057	8.814	0.022		1.503	0.048	T	1.53	0.07	L	8.7817	0.0030	0.018	57		8.76	8.83					1							
81951	9.851	0.023	8.616	0.013		1.054	0.021	T	1.02	0.02	L	8.6682	0.0019	0.015	103		8.63	8.70		C			1							S
81952	9.638	0.021	8.818	0.017		0.740	0.021	T	0.79	0.01	L	8.9066	0.0016	0.014	86		8.88	8.93		C			1							
81953	11.765	0.156	9.943	0.046		0.759	0.155	G	2.05	0.20	S	10.0502	0.0050	0.031	56		9.97	10.09		R			1							G
81954	10.641	0.033	8.946	0.014		1.420	0.015	G	1.42	0.09	H	8.9146	0.0018	0.019	143		8.88	8.95					1							
81955	11.278	0.073	10.787	0.080		0.462	0.098	T	0.53	0.10	L	10.6290	0.0056	0.039	112		10.56	10.69					1 X S							G
81956	10.034	0.020	8.745	0.012		1.096	0.018	T	1.06	0.02	L	8.7964	0.0012	0.018	155		8.77	8.83					1							
81957	9.287	0.034	8.069	0.022		1.041	0.032	T	1.01	0.03	L	8.1519	0.0023	0.011	53		8.13	8.17					1							
81958	8.682	0.010	8.602	0.012	A	0.600	0.495	G	0.07	0.01	L *	8.5930	0.0014	0.017	171	*	8.56	8.62			16446+1337	I 1	2 C A	AB	7	2.880	0.026	3.30	0.10	S
81959	7.574	0.007	7.257	0.007		0.301	0.009	T	0.34	0.01	L	7.2972	0.0010	0.010	117		7.28	7.32		C			1							S
81960	10.850	0.069	10.199	0.067		0.687	0.020	G	0.74	0.02	H	10.2822	0.0036	0.030	53		10.20	10.31					1							G
81961	9.547	0.017	8.744	0.013	*	0.727	0.016	T	0.78	0.01	L *	8.8006	0.0016	0.016	117	*	8.78	8.84		D	16446+7145	I 1	2 C S A	AS	326	0.152	0.023	1.07	0.63	
81962	10.138	0.025	9.293	0.020		0.710	0.015	G	0.76	0.01	H	9.3874	0.0023	0.027	127		9.34	9.43					1							
81963	9.872	0.021	7.926	0.009		1.614	0.018	T	1.64	0.02	L	7.8205	0.0019	0.018	112		7.79	7.85		U			1							S
81964	10.013	0.039	9.495	0.038	*	0.496	0.041	T	0.57	0.04	L *	9.3235	0.0038	0.021	48	*	9.29	9.36		D	16446−2938	I 1	2 C A	AB	261	0.907	0.007	0.17	0.02	
81965	10.032	0.044	8.779	0.026		1.068	0.040	T	1.03	0.03	L	8.8252	0.0023	0.014	37		8.79	8.85					1							
81966	7.565	0.007	6.106	0.004		1.230	0.006	T	1.19	0.01	L	6.1222	0.0009	0.008	98		6.11	6.13		C	16447−5309	I 1	1							S
81967	9.332	0.016	8.672	0.014		0.612	0.018	T	0.68	0.02	L	8.7182	0.0026	0.024	133		8.69	8.79		U 2			1							S
81968	10.704	0.040	8.823	0.015		1.596	0.035	T	2.33	0.07	O	8.6453	0.0034	0.036	180		8.60	8.71		U 2			1							
81969	9.531	0.018	8.309	0.012		1.044	0.017	T	1.01	0.01	L	8.3646	0.0018	0.012	86		8.34	8.39					1							
81970	10.641	0.055	8.135	0.014		2.111	0.047	T	3.25	0.08	O	7.8030	0.0049	0.027	72		7.76	7.84		U 2			1 S							
81971	7.693	0.007	7.495	0.009		0.189	0.011	T	0.21	0.01	L	7.5207	0.0014	0.011	84		7.50	7.54			16447+0220	I 1	1							S
81972	5.505	0.006	5.625	0.006		−0.093	0.003	G	−0.07	0.00	H	5.6099	0.0005	0.005	49		5.60	5.62		D	16447−4050	I 1	1							S
81973	10.875	0.046	9.569	0.025		1.110	0.041	T	1.07	0.04	L	9.5941	0.0021	0.020	124		9.55	9.63					1							
81974	9.846	0.020	8.674	0.013		1.005	0.019	T	0.98	0.01	L	8.7303	0.0017	0.020	130		8.70	8.77					1 G							
81975	10.505	0.034	8.716	0.014		1.520	0.030	T	2.58	0.05	O	8.4806	0.0046	0.050	139		8.42	8.57		U 2			1							
81976	9.232	0.021	8.182	0.014		0.943	0.015	G	0.93	0.01	H	8.2350	0.0013	0.016	84		8.21	8.27					1							S
81977	10.506	0.033	9.299	0.019		1.032	0.030	T	1.00	0.03	L	9.3372	0.0015	0.020	124		9.29	9.37					1							
81978	10.972	0.050	10.297	0.042		0.625	0.054	T	0.69	0.05	L	10.3503	0.0027	0.025	115		10.28	10.40					1							G
81979	8.985	0.020	8.501	0.016	*	0.456	0.024	T	0.53	0.03	L *	8.8062	0.0018	0.016	130	*	8.78	8.84		D	16448+3544	I 1	2 C A	AB	81	1.957	0.003	0.28	0.01	
81980	11.595	0.111	10.424	0.062		0.965	0.015	G	1.01	0.02	I	10.4920	0.0039	0.027	66		10.45	10.54		C			1							G
81981	8.412	0.010	7.972	0.014		0.415	0.016	T	0.48	0.02	L	8.0311	0.0017	0.012	56		8.01	8.05		C			1							S
81982	11.453	0.050	9.805	0.019		1.378	0.042	T	1.35	0.05	L	9.7728	0.0020	0.026	192		9.72	9.81		C			1							
81983	9.948	0.031	8.033	0.012		1.590	0.026	T	1.61	0.03	L	7.9977	0.0018	0.018	102		7.97	8.02			16449+0957	I 1	1							
81984	8.936	0.018	8.710	0.020		0.216	0.025	T	0.24	0.03	L	8.7553	0.0036	0.018	55		8.72	8.80					1							S
81985	11.182	0.101	9.294	0.032		1.568	0.084	T	1.59	0.09	L	9.1668	0.0047	0.020	51		9.12	9.20			16449−3024	I 1	1 S							
81986	10.367	0.029	8.964	0.015		1.186	0.026	T	1.15	0.02	L	9.0176	0.0022	0.015	112		8.99	9.04					1							
81987	8.372	0.016	8.109	0.017		0.247	0.024	T	0.28	0.03	L	8.1899	0.0032	0.015	48		8.17	8.22					1							
81988	11.661	0.101	10.363	0.052		1.040	0.020	G	1.09	0.02	I	10.4274	0.0030	0.023	78		10.35	10.47			16449+0605	I 2	1							G
81989	9.295	0.015	8.865	0.016		0.406	0.020	T	0.47	0.02	L	8.8979	0.0026	0.020	103		8.86	8.93					1							S
81990	9.889	0.022	7.864	0.009		1.677	0.019	T	1.70	0.02	L	7.7395	0.0021	0.014	112		7.71	7.76		U			1							S
81991	7.662	0.008	6.657	0.005		0.890	0.010	G	0.90	0.01	H	6.7101	0.0012	0.008	85		6.70	6.73			16449+0605	I 2	1							S
81992	6.108	0.004	6.002	0.004		0.103	0.005	T	0.12	0.01	L	6.0308	0.0008	0.005	56		6.02	6.04		C	16450−2831	I 1	1							S
81993	11.138	0.047	9.587	0.021		1.302	0.041	T	1.26	0.04	L	9.6682	0.0026	0.021	140		9.62	9.71					1							
81994	9.475	0.024	8.435	0.017		0.904	0.022	T	0.91	0.02	L	8.5171	0.0020	0.012	59		8.49	8.55					1							
81995	11.161	0.111	10.798	0.138		0.397	0.107	G	0.46	0.12	R	10.7843	0.0067	0.041	60		10.72	10.84					1							G
81996	8.590	0.009	7.441	0.006		0.987	0.008	T	0.97	0.01	L	7.4884	0.0010	0.012	162		7.47	7.51		C			1							S
81997	7.939	0.008	7.916	0.010	*	0.026	0.012	T	0.04	0.01	L *	7.9321	0.0019	0.017	108	*	7.91	7.96			16450−5543	H 1	2 C A	AB	261	0.656	0.019	3.43	0.10	S
81998	11.904	0.109	10.532	0.051		1.170	0.015	G	1.28	0.03	I	10.5586	0.0028	0.036	127		10.51	10.62					1 X							G
81999	11.254	0.075	10.315	0.052		0.829	0.068	T	0.85	0.05	L	10.4127	0.0040	0.027	75		10.36	10.46		C			1							G
82000	7.728	0.009	7.149	0.007	*	0.541	0.010	T	0.61	0.01	L *	7.2550	0.0009	0.010	166	*	7.24	7.28		D	16451+2821	I 1	2 C A	AB	160	5.293	0.005	1.93	0.02	S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
1 2	h m s 3	±° ′ ″ 4	mag 5 6 7		deg 8	deg 9 10	mas 11	mas/yr 12	mas/yr 13	mas 14	mas 15	mas 16	mas/yr 17	mas/yr 18	19	20	21	22	23	24	25	26	27	28	% 29	30
82001	16 45 05.50	−31 22 47.9	8.23	H	251.272 914 29	−31.379 960 77	2.15	−0.43	−6.97	0.96	0.85	1.17	1.08	0.95	−19	−19	−43	+ 3	−31	+18	−17	+32	−28	−49	0	−0.52
82002	16 45 05.80	+40 38 17.4	8.16	H	251.274 149 96	+40.638 156 52	5.78	−10.61	9.67	0.64	0.65	0.78	0.73	0.81	+ 0	+13	− 5	−15	−15	−20	−14	+23	−15	−10	0	−0.87
82003	16 45 06.38	+33 30 29.9	8.10	G	251.276 577 20	+33.508 297 50	102.35	−39.18	383.41	0.63	0.70	0.88	0.72	0.89	+16	−20	−33	+17	+11	−11	+ 8	+ 5	− 5	− 7	0	−1.60
82004	16 45 06.76	−65 52 24.5	8.93	H	251.278 178 19	−65.873 463 72	2.46	−2.11	−3.54	0.73	0.77	1.09	0.85	0.96	+ 4	−14	− 6	+ 8	−22	+ 7	−22	+13	+ 0	+ 3	0	−0.86
82005	16 45 07.89	−80 47 59.1	8.91	H	251.282 857 10	−80.799 745 83	3.13	−2.12	−15.90	0.70	0.76	0.92	0.76	0.86	+11	−26	+ 6	+15	−12	−12	−10	+ 2	− 9	− 1	0	−0.69
82006	16 45 08.51	+44 06 48.1	7.96	H	251.285 459 76	+44.113 369 46	0.76	3.97	−15.74	0.58	0.58	0.66	0.59	0.63	+20	−17	−14	− 1	+ 9	+ 3	+ 8	+11	+ 7	+20	1	0.05
82007	16 45 08.68	−23 11 02.3	6.98	H	251.286 174 21	−23.183 971 06	10.46	−24.01	−30.31	1.18	0.53	1.02	2.67	1.00	+ 2	−44	+ 6	+59	+27	+ 2	+40	+26	−23	+27	0	1.15
82008	16 45 08.83	−27 55 20.8	9.89	H	251.286 771 51	−27.922 447 79	5.42	22.48	−8.13	1.54	1.04	1.71	1.69	1.11	+11	−40	−30	+10	−12	+15	+ 0	+24	−16	− 9	0	0.58
82009 H	16 45 09.21	−65 04 14.2	8.00	H	251.288 368 84	−65.070 615 74 A	4.20	−13.00	−12.24	1.24	1.29	1.69	1.32	1.45	−13	−14	−16	+14	−33	+22	−25	+31	−29	−46	2	0.22
82010	16 45 11.11	−12 29 49.1	8.95	H	251.296 271 52	−12.496 962 50	3.52	−19.01	−0.98	1.88	1.11	1.74	2.44	1.51	+32	−37	+ 6	+50	+52	−24	+49	+57	+ 8	+30	0	−0.51
82011	16 45 11.45	−03 05 05.7	6.95	2 H	251.297 712 22	−03.084 922 36	3.75	−3.60	−8.90	1.03	0.60	1.15	1.08	0.74	+ 6	−45	−20	+42	− 8	− 6	+ 5	+60	−28	− 4	0	0.35
82012	16 45 11.80	+43 13 02.3	6.07	H	251.299 175 03	+43.217 292 22	5.11	−8.63	−50.54	0.45	0.47	0.54	0.60	0.57	+11	−13	−10	+14	+ 8	+ 2	+10	+20	−18	+16	1	0.41
82013	16 45 11.88	+45 06 13.2	8.59	H	251.299 501 03	+45.103 674 88	3.66	−23.23	−9.11	0.69	0.68	0.77	0.81	0.81	+11	+ 3	− 7	+16	+13	+ 7	+14	+14	+ 7	+10	1	2.24
82014	16 45 13.81	+72 49 33.2	8.91	H	251.307 537 50	+72.825 901 25	7.71	−47.26	120.07	0.76	0.86	0.89	0.71	0.98	+ 3	−24	− 4	−11	+ 0	− 8	+ 8	−26	−17	+26	0	−0.97
82015	16 45 15.04	+25 11 15.4	9.67	H	251.312 666 79	+25.187 603 64	10.74	1.50	−70.13	0.74	1.01	1.51	0.93	1.14	+12	− 7	−18	− 4	+ 1	−10	+ 1	+ 0	−18	+14	0	1.02
82016	16 45 15.11	−75 28 36.4	8.73	H	251.312 976 93	−75.476 776 39	7.10	−18.47	9.08	0.64	0.82	1.00	0.73	0.96	− 2	−18	+ 6	+12	−19	−10	−21	+25	+15	− 5	0	−0.38
82017	16 45 15.57	−49 36 56.9	7.94	H	251.314 874 15	−49.615 804 53	7.45	−17.73	−37.89	1.01	0.82	1.12	1.29	1.01	−33	−19	−18	− 8	+24	+ 2	+29	+41	−31	−42	0	−0.11
82018	16 45 15.68	+41 22 28.8	9.26	H	251.315 342 99	+41.374 670 69	0.28	0.00	−13.18	0.83	0.86	1.03	0.97	1.02	+ 5	+15	+ 9	− 2	+ 2	+ 3	+ 1	+ 5	+ 1	+ 4	0	0.30
82019	16 45 16.44	+86 04 11.1	8.25	H	251.318 500 23	+86.069 757 76	2.37	−36.37	40.00	0.55	0.60	0.64	0.61	0.67	+ 9	− 9	− 9	+ 5	+ 5	+ 4	+ 6	+14	−12	+13	0	−0.53
82020	16 45 17.79	+56 46 54.1	4.84	G	251.324 123 80	+56.781 687 23 +	37.41	26.31	69.96	0.76	1.20	0.48	0.72	0.86	− 5	− 9	−12	− 1	+ 8	−16	+16	−61	+ 2	+25	4	3.24
82021	16 45 17.99	−38 48 20.2	10.37	H																						
82022	16 45 19.02	−30 48 24.3	6.99	H	251.329 236 35	−30.806 762 78	7.37	−14.52	10.67	0.89	0.73	1.03	0.92	0.75	−30	−18	−28	+ 7	−24	− 7	−20	+34	−20	−44	0	0.22
82023	16 45 19.11	−51 20 33.3	10.15	3 H	251.329 644 20	−51.342 593 26	0.06	−1.09	−9.72	1.77	1.28	2.12	1.96	1.53	−46	−11	− 6	−28	+17	− 1	+20	+20	−39	−44	4	0.40
82024 H	16 45 19.28	+24 34 59.7	8.27	H	251.330 343 43	+24.583 249 37 A	2.78	6.10	−18.40	1.02	1.46	1.88	1.12	1.65	+18	+10	+ 6	+13	+ 3	− 2	− 1	+ 2	−29	+ 7	1	−0.46
82025	16 45 19.72	−66 29 47.6	8.34	H	251.332 149 04	−66.496 547 08	4.28	1.08	−18.90	0.71	0.77	1.12	0.77	0.92	+ 8	−20	− 2	− 2	−25	− 1	−28	+ 2	+11	+ 6	1	0.04
82026	16 45 19.91	−37 19 15.4	9.85	H	251.332 966 26	−37.320 937 03	1.72	−23.47	−34.98	1.82	1.24	2.00	1.96	1.35	+33	−45	−47	+20	+19	+ 3	+25	+28	− 9	+ 2	5	−0.78
82027	16 45 21.16	+83 11 06.2	8.54	H	251.338 174 55	+83.185 053 20	1.54	−10.89	−0.21	0.68	0.74	0.78	0.75	0.90	+ 7	−25	−11	+ 7	+ 2	+ 1	+ 3	+ 7	− 2	+ 9	0	0.61
82028	16 45 22.51	+15 44 43.5	5.60	2 H	251.343 771 67	+15.745 411 89	6.31	24.04	−50.64	0.50	0.45	0.81	0.72	0.62	− 4	−16	−19	+21	+28	− 8	+29	+18	−11	+29	0	−1.67
82029	16 45 23.25	+45 37 23.1	8.47	2 H	251.346 886 01	+45.623 076 50	0.61	0.84	0.31	0.71	0.61	0.74	0.81	0.72	+16	−16	−12	+23	+18	− 8	+19	+12	−18	+14	0	0.92
82030	16 45 23.96	+36 51 03.1	9.95	H	251.349 829 73	+36.850 865 52	24.36	−66.82	−79.62	0.99	1.06	1.34	1.20	1.28	− 2	− 9	−12	+18	+ 0	−18	− 1	+19	−18	−14	0	2.62
82031	16 45 26.47	+69 07 27.0	9.41	H	251.360 291 41	+69.124 164 12	1.26	−10.20	−2.82	0.81	0.76	0.84	0.77	0.88	+ 4	−24	− 2	− 8	+10	− 8	+13	+11	−19	+13	0	−0.53
82032	16 45 26.79	−71 50 23.8	7.59	H	251.361 644 61	−71.839 947 15	18.42	41.25	55.16	0.44	0.62	0.82	0.46	0.72	+11	−15	−10	−10	− 2	− 8	− 5	− 7	+19	+ 7	1	0.74
82033	16 45 27.52	−34 36 49.7	8.65	H	251.364 681 18	−34.613 818 06	3.72	0.81	3.61	1.15	0.87	1.25	1.21	1.02	+11	−17	−14	− 6	−27	+ 3	−21	+10	−26	−13	0	0.07
82034	16 45 27.73	−60 33 48.8	7.55	1 H	251.365 524 08	−60.563 554 91	3.75	−2.64	−11.30	0.60	0.60	0.88	0.78	0.72	− 6	−10	−22	+27	−28	+26	−18	+62	−11	−23	3	−0.54
82035	16 45 28.02	−18 29 20.7	9.48	G	251.366 731 90	−18.489 088 41	2.26	3.71	−6.78	1.45	1.09	1.66	2.27	1.85	−22	−22	−14	+20	−29	−24	−10	+57	+15	−69	0	−0.93
82036 H	16 45 28.54	−51 03 57.2	8.63	1 H	251.368 934 77	−51.065 884 48 *	3.81	5.23	−1.18	4.89	4.32	2.58	2.97	2.03	− 6	− 8	−13	−16	+ 3	−17	+24	+36	−16	−58	1	0.92
82037	16 45 29.68	+01 01 12.5	6.02	H	251.373 653 24	+01.020 145 36	6.84	−3.84	6.63	0.83	0.57	0.88	0.93	0.67	+ 3	−21	+22	+65	+ 9	+16	+ 4	+70	+ 8	+ 8	0	0.22
82038	16 45 30.18	−19 08 12.9	6.60	1 H	251.375 737 93	−19.136 927 89	4.30	−0.27	0.18	0.95	0.63	1.07	1.23	1.06	−34	−42	− 4	+ 8	−25	−21	− 8	+47	+15	−74	3	0.14
*82039	16 45 31.20	+39 22 58.9	8.23	H	251.380 019 99	+39.383 031 09	3.02	14.91	6.11	0.66	0.66	0.79	0.68	0.74	+16	−17	− 8	−10	+ 7	+10	+ 9	+21	+ 4	+ 8	0	1.66
*82040	16 45 31.17	−01 34 41.4	8.97	H	251.379 872 79	−01.578 179 01	1.12	−11.13	0.37	1.08	0.75	1.15	1.42	0.93	− 6	− 7	− 6	+45	−12	+10	−14	+66	−14	+ 8	2	−0.68
82041	16 45 31.90	+42 26 49.5	8.15	H	251.382 926 88	+42.447 092 15	11.78	−17.18	44.07	0.63	0.67	0.77	0.71	0.84	+ 7	− 9	− 5	− 1	− 1	−11	+ 0	+ 9	−14	+ 4	0	−0.28
82042	16 45 32.16	+33 49 49.7	9.45	G	251.384 018 56	+33.830 459 86	26.54	163.76	−157.42	0.78	0.94	1.15	0.88	1.31	− 6	−12	−18	+14	− 2	− 1	+ 0	+17	− 8	−26	0	−0.08
82043	16 45 32.65	+27 07 33.9	8.30	H	251.386 055 57	+27.126 072 97	3.25	−4.32	0.35	0.60	0.73	1.03	0.71	0.92	+15	−10	−26	−31	+ 0	− 7	+ 1	−13	−19	+ 9	2	0.96
82044	16 45 34.14	−52 06 14.4	8.68	H	251.392 231 39	−52.103 990 12	0.65	8.15	−0.38	1.06	0.89	1.26	1.33	1.04	− 8	+ 4	− 7	+24	+22	− 2	+13	+51	−29	+ 7	0	−0.13
82045	16 45 35.06	+08 03 01.6	9.52	H	251.396 080 00	+08.050 439 07	7.77	−18.53	−38.46	1.32	0.92	1.47	1.44	1.16	−18	−39	− 4	+48	−24	− 6	−19	+58	− 7	−25	0	1.62
82046	16 45 35.57	−33 51 00.9	7.11	G	251.398 195 16	−33.850 248 51	12.34	38.53	−84.12	0.97	0.86	1.01	1.05	1.07	−41	−19	−19	+34	−54	+10	−44	+50	−31	−59	0	−1.02
82047	16 45 35.71	−10 55 24.9	8.54	H	251.398 775 78	−10.923 589 58	7.28	23.11	−11.22	1.23	0.80	1.25	1.78	1.19	− 9	− 5	−13	+20	+ 0	+ 4	− 3	+50	−12	+ 3	0	0.26
82048	16 45 36.48	+55 46 25.1	8.28	G	251.401 992 81	+55.773 645 19	2.06	9.15	−8.07	0.67	0.62	0.69	0.77	0.73	+11	− 9	− 5	+ 5	+12	−17	+11	+22	− 3	+13	1	−0.39
82049	16 45 36.95	+58 39 19.4	8.01	H	251.403 977 76	+58.655 394 72	2.73	8.21	0.20	0.66	0.58	0.66	0.72	0.73	+ 1	−19	+ 6	+10	+ 2	+ 8	+ 2	+ 4	+ 7	+23	0	0.37
82050	16 45 37.58	+39 09 01.7	8.46	2 H	251.406 567 42	+39.150 478 10	−1.31	4.24	−9.93	0.69	0.70	0.82	0.78	0.80	+11	−18	− 9	− 3	+ 7	+ 4	+ 5	+22	+ 5	+15	0	−2.32
82051	16 45 38.13	+55 18 50.5	6.96	H	251.408 889 17	+55.314 038 96	7.10	−9.51	−38.21	0.49	0.47	0.52	0.51	0.56	− 1	− 2	− 7	− 1	+ 5	− 2	+ 5	− 2	+14	+ 1	0	0.69
82052	16 45 38.95	−25 41 48.5	9.32	H	251.412 276 31	−25.696 809 64	3.77	16.62	−4.31	1.29	0.90	1.49	1.48	1.00	+ 3	−18	−30	−15	+ 1	−30	− 5	− 1	+ 5	−27	0	2.39
82053	16 45 39.12	+27 10 37.3	8.52	H	251.412 988 86	+27.177 036 49	1.19	−5.13	5.35	0.71	0.83	1.25	0.84	1.00	+ 7	−10	−33	−34	+ 5	− 4	+ 7	− 1	−22	− 1	0	0.16
82054	16 45 39.22	+25 47 56.8	9.16	H	251.413 431 39	+25.799 109 88	0.43	14.40	−5.95	0.71	1.00	1.33	0.81	1.08	+ 4	−24	−15	−10	+ 3	− 1	+ 5	− 6	+ 8	+ 0	1	0.21
82055	16 45 40.05	+24 49 38.3	9.95	H	251.416 872 56	+24.827 294 11	1.21	4.04	13.82	0.64	1.23	1.74	0.84	1.46	+ 6	+ 1	−14	+22	− 3	− 6	− 4	+13	−22	− 1	1	1.79
82056	16 45 41.19	+68 15 30.7	8.76	2 H	251.421 639 00	+68.258 540 34	3.37	−4.37	12.27	0.66	0.67	0.69	0.73	0.77	+ 8	−14	− 1	+11	+14	−12	+15	+20	−18	+18	0	−0.08
82057	16 45 42.03	−42 13 23.3	9.77	H	251.425 125 00	−42.223 129 03	−2.17	2.30	−1.27	1.57	1.02	1.75	1.56	1.17	+19	−45	−18	−10	− 2	+18	+12	− 5	−23	+ 8	0	−1.45
82058 T	16 45 43.47	+30 00 17.2	8.77	G	251.431 110 23	+30.004 788 88 A	7.77	−31.38	−40.89	2.14	2.68	2.72	2.17	3.02	+ 2	−17	−17	+19	− 2	− 8	− 6	− 8	+ 1	−13	4	1.51
82059	16 45 43.88	+19 38 33.1	8.16	H	251.432 821 05	+19.642 515 31	18.59	−119.10	65.69	0.92	0.97	1.25	1.37	1.61	+32	−36	−29	+43	+12	−14	+34	−28	−16	+50	2	1.70
82060 T	16 45 44.09	+30 00 05.6	9.63	G	251.433 729 13	+30.001 544 39 B	9.28	−23.14	−40.85	8.00	9.72	4.96	7.18	7.85	+ 7	−14	−22	+22	− 3	− 6	− 9	−13	+ 2	−10	4	1.51
82061	16 45 44.42	+77 53 22.6	8.47	H	251.435 091 83	+77.889 619 07	2.28	−7.17	2.98	0.68	0.79	0.79	0.69	1.01	+12	−37	−28	−27	− 5	+12	− 2	−25	− 2	+ 3	0	−1.73
82062	16 45 46.43	−00 45 53.8	8.35	H	251.443 446 32	−00.764 947 67	10.26	66.07	−78.19	1.28	0.88	1.27	1.34	1.08	+ 3	−41	+ 6	+60	+ 2	−14	+ 2	+77	+ 2	+ 5	0	−0.02
82063	16 45 46.68	+02 53 15.6	9.84	G	251.444 492 78	+02.887 672 90	0.69	9.86	−5.05	2.18	1.16	1.95	3.88	1.86	+36	−38	−12	+54	+30	−32	+35	+63	−36	+67	0	−0.40
82064	16 45 47.35	+29 59 35.4	8.80	G	251.447 275 48	+29.993 154 25	7.02	18.56	−1.29	0.71	0.90	1.13	0.78	1.11	− 1	−12	−11	+28	+ 1	−17	− 4	− 1	− 3	−12	0	3.97
82065	16 45 47.41	+69 38 13.6	8.48	H	251.447 543 34	+69.637 121 34	5.62	−16.70	144.63	0.62	0.62	0.66	0.67	0.73	+ 7	− 2	+10	− 1	+ 3	−12	+ 5	+10	−10	+ 5	1	1.98
82066	16 45 47.65	+70 31 18.4	8.24	H	251.448 548 83	+70.521 781 65	4.12	−2.52	24.57	0.75	0.64	0.72	0.84	0.85	+ 1	− 7	+ 4	−31	+ 7	−13	+11	− 4	−10	+ 0	0	1.89
82067 H	16 45 47.83	−35 52 04.2	9.04	H	251.449 296 58	−35.867 822 26 *	5.88	−14.31	−41.75	2.19	1.77	1.76	1.77	1.33	− 8	−24	−24	+ 8	− 5	− 3	+ 0	+20	−19	−12	3	−0.49
82068 H	16 45 48.14	+35 37 50.5	7.33	H	251.450 601 79	+35.630 697 58 A	16.92	37.87	27.76	0.73	0.77	0.87	0.67	0.79	+16	− 3	+ 0	+12	+12	− 7	+12	+11	− 7	+ 9	1	0.26
82069	16 45 48.48	−26 38 57.6	7.02	G	251.451 980 23	−26.649 339 01	9.08	−18.42	−32.93	0.74	0.59	0.85	0.88	0.71	−12	−22	−31	+ 1	−10	−14	−13	+10	+ 5	−45	0	−2.56
82070	16 45 49.18	−01 15 50.7	9.63	H	251.454 905 79	−01.264 093 99	6.56	−22.86	9.07	1.50	1.13	1.54	1.72	1.35	− 5	−25	+ 5	+54	− 7	+ 2	−10	+75	+ 1	+ 3	0	−1.82
82071	16 45 49.40	+21 37 32.1	9.26	H	251.455 825 76	+21.625 585 34	2.50	−6.49	−4.73	1.00	0.89	1.49	1.03	1.04	+ 7	−13	− 6	−35	+24	−16	+13	+11	−28	+44	0	−0.68
82072 H	16 45 49.61	−08 28 03.7	9.20	G	251.456 716 00	−08.467 695 38 A	1.43	7.63	11.51	4.16	4.34	2.15	2.68	2.10	−54	−12	− 5	+26	−14	+11	−12	+22	−28	−63	1	−0.67
*82073	16 45 49.89	+08 34 57.3	5.15	1 H	251.457 887 51	+08.582 578 16	9.30	−2.86	15.67	0.69	0.53	0.84	0.78	0.62	−10	−33	−19	+36	−21	+ 5	−11	+49	−23	−15	2	1.22
*82074	16 45 49.87	−43 38 35.1	8.06	H	251.457 809 02	−43.643 094 01	2.11	0.76	−1.76	1.03	0.94	1.20	1.39	1.02	−30	− 1	−27	+16	+ 3	+ 6	+ 0	+25	+17	−19	0	2.26
82075	16 45 51.85	+46 02 40.9	7.48	H	251.466 046 67	+46.044 707 86	2.97	7.97	−7.37	0.55	0.55	0.62	0.61	0.62	+ 6	− 4	− 7	+ 8	+10	−15	+10	+19	−13	+ 9	0	−0.52
82076	16 45 53.66	−83 14 23.4	6.58	H	251.473 571 84	−83.239 823 94	3.53	16.43	−21.60	0.48	0.51	0.61	0.57	0.59	− 3	−12	+12	− 1	−14	−12	−12	−16	−11	− 9	0	0.26
82077 H	16 45 55.23	−39 52 36.8	8.20	2 G	251.480 127 81	−39.876 892 58 *	0.83	1.84	−2.04	1.00	0.72	1.33	0.78	0.74	+11	−63	−39	−26	−12	+23	+19	− 5	−36	−40	0	1.48
82078	16 45 56.95	−67 45 00.4	6.88	H	251.487 305 72	−67.750 116 77	7.94	25.56	−14.38	0.56	0.73	1.03	0.69	0.87	+ 2	− 9	−15	−27	+ 4	− 8	+ 2	−27	+11	−13	0	
82079 H	16 45 56.97	−61 39 48.3	6.83	H	251.487 380 29	−61.663 413 62 A	7.84	−40.42	−41.35	0.84	0.77	1.09	0.95	0.87	+10	− 4	− 6	+ 3	− 9	− 7	−12	+43	− 7	+17	2	−0.03
*82080	16 45 58.16	+82 02 14.1	4.21	1 H	251.492 339 61	+82.037 250 71 *	9.41	19.54	4.67	2.47	1.10	0.67	0.63	0.95	+31	+15	− 8	− 3	−13	−12	−41	+17	−32	+ 2	6	0.72
*82081	16 45 57.99	+04 02 30.6	7.12	G	251.491 642 36	+04.041 836 64	6.62	7.12	−13.83	0.88	0.59	0.93	0.90	0.68	+15	−41	− 8	+55	+10	−10	+11	+64	− 7	+13	0	−1.02
82082	16 45 59.55	+49 09 15.1	9.02	H	251.498 140 62	+49.154 195 32	1.45	3.95	14.99	0.79	0.71	0.83	0.87	0.80	+14	− 4	+ 7	+ 5	+10	+ 7	+ 9	+12	+12	+23	3	0.66
82083	16 46 00.14	−31 47 49.9	9.79	H	251.500 603 33	−31.797 194 46	−1.15	11.95	−14.36	1.48	1.24	1.63	1.55	1.39	− 7	−32	−18	+10	− 6	− 1	− 9	+ 5	+ 7	−24	0	0.25
82084	16 46 00.66	−47 01 19.6	9.61	G	251.502 759 23	−47.022 099 46	−0.56	−0.90	−1.59	1.47	1.18	1.59	1.81	1.34	+29	−25	−28	+40	+29	+ 5	+36	+22	−11	+39	0	0.13
82085	16 46 01.47	−35 38 20.7	9.20	H	251.506 133 04	−35.639 093 48	1.45	5.44	−36.14	1.45	1.02	1.65	1.74	1.18	− 2	−34	−17	+ 6	+ 2	−12	+ 4	+15	−15	− 1	0	0.82
82086	16 46 03.48	+15 21 47.1	8.18	H	251.514 497 88	+15.363 093 03	4.77	−5.55	−28.51	0.65	0.57	1.06	0.88	0.75	−12	−17	−22	+ 9	+15	− 9	+14	+12	−15	+18	0	−0.69
82087	16 46 03.69	+26 02 15.3	8.36	H	251.515 378 85	+26.037 592 37	2.72	11.42	−2.10	0.55	0.82	1.06	0.61	0.88	− 5	−23	− 3	−21	+ 5	− 6	+ 9	−29	−17	− 2	0	−1.29
82088	16 46 04.93	−35 36 49.3	9.17	H	251.520 543 29	−35.613 699 71	16.98	−83.27	11.11	1.40	1.05	1.59	1.98	1.33	− 7	−25	−11	+ 8	+10	−13	+11	+ 6	−15	+ 1	0	−0.25
82089	16 46 05.33	−16 54 02.0	8.69	2 H	251.522 207 44	−16.900 549 13	4.34	5.48	−15.01	1.08	0.99	1.36	1.25	1.15	−42	−22	+35	+26	−26	+ 5	−24	+70	+23	−42	0	1.38
82090	16 46 05.74	+52 44 44.9	9.05	H	251.523 905 48	+52.745 798 20	16.71	−9.89	−108.28	0.73	0.73	0.81	0.75	0.83	+ 1	+ 4	− 8	− 4	+ 7	− 3	+ 6	−13	+ 3	−11	0	−0.37
82091	16 46 06.38	−46 31 54.9	6.47	H	251.526 565 03	−46.531 917 68	7.28	−3.28	−32.42	0.89	0.66	0.97	0.99	0.71	+28	−43	−33	+34	+26	+ 5	+28	+31	− 6	+26	0	−1.65
82092	16 46 07.73	+50 20 37.6	9.46	H	251.532 188 12	+50.343 776 63	30.78	−89.21	406.14	0.93	0.95	1.01	1.01	1.14	+ 7	−22	+ 4	+15	+21	−14	+22	+26	+ 5	+ 2	3	0.50
82093	16 46 10.39	+33 47 37.1	7.80	H	251.543 304 88	+33.793 637 78	3.23	−14.82	10.79	0.53	0.61	0.72	0.57	0.77	− 3	− 8	−21	+32	− 4	−10	− 6	+30	−13	−24	0	0.11
82094	16 46 11.08	−41 13 15.9	8.66	G	251.546 184 16	−41.221 087 41	3.41	−2.28	−18.28	1.16	0.92	1.31	1.57	1.27	−10	−17	−11	+15	+14	+24	+24	− 4	−15	+ 1	0	1.83
82095 H	16 46 11.61	+46 48 42.8	9.68	H	251.548 372 33	+46.811 894 78 A	12.04	−152.19	259.17	1.58	1.53	1.64	1.60	1.61	− 1	− 8	−18	+16	+12	− 5	+13	+21	−13	− 1	2	−0.24
82096	16 46 11.93	+37 20 59.4	9.13	H	251.549 718 28	+37.349 841 11	3.05	−10.56	14.07	0.78	0.77	0.97	0.88	0.86	+19	− 6	−12	+28	+ 8	−19	+ 6	+13	−17	+14	1	0.03
82097	16 46 12.31	−47 00 12.2	9.76	G	251.551 311 18	−47.003 398 32	1.54	−1.69	0.52	1.89	1.52	1.97	2.39	1.77	+35	−24	−36	+44	+28	+ 1	+34	+30	− 8	+44	6	−1.14
82098	16 46 13.65	−52 08 20.4	9.51	H	251.556 861 56	−52.138 999 99	−0.54	−0.27	−3.88	1.42	1.13	1.64	1.66	1.29	− 1	−16	− 1	+28	+ 4	−22	+56	−27	+12	0	0.50
82099	16 46 13.96	+16 28 44.9	11.74	H	251.558 159 85	+16.479 145

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
82001	10.330	0.051	8.386	0.019		1.637	0.047	T	1.66	0.05	L	8.3318	0.0024	0.013	59		8.30	8.35					1							
82002	8.321	0.008	8.173	0.009		0.142	0.011	T	0.16	0.01	L	8.2133	0.0015	0.016	121		8.19	8.25					1							S
82003	9.820	0.020	8.263	0.010		1.310	0.019	T	1.51	0.03	L	8.1772	0.0016	0.016	123		8.15	8.20		C			1							
82004	8.924	0.011	8.928	0.015		−0.013	0.005	G	0.01	0.01	H	8.9374	0.0019	0.021	129		8.90	8.97					1							
82005	9.049	0.012	8.921	0.014		0.116	0.017	T	0.13	0.02	L	8.9604	0.0018	0.022	130		8.93	9.00					1							
82006	9.442	0.014	8.073	0.008		1.159	0.013	T	1.12	0.01	L	8.1233	0.0012	0.011	118		8.10	8.15		C			1							S
82007	7.494	0.005	7.035	0.005		0.446	0.006	T	0.52	0.01	L	7.0810	0.0007	0.006	114		7.07	7.10					1	G						S
82008	10.676	0.061	9.963	0.053		0.642	0.061	T	0.71	0.05	L	10.0230	0.0027	0.018	51		9.98	10.06		C			1							G
82009	8.225	0.009	8.131	0.011	A	0.100	0.495	G	0.06	0.02	L *	8.0224	0.0016	0.014	115	*	8.00	8.05		D	16452−6504	I 1	2	C	A	AB	85	1.397	0.006	1.28	0.04	S
82010	10.744	0.058	9.132	0.024		1.350	0.049	T	1.32	0.06	L	9.1036	0.0047	0.020	53		9.08	9.14					1							
82011	9.224	0.018	7.315	0.008		1.790	0.015	G	3.15	0.05	F	6.8090	0.0194	0.168	93		6.64	7.02		U 2			1	S						S
82012	7.919	0.007	6.225	0.004		1.415	0.006	T	1.40	0.01	L	6.2117	0.0009	0.007	105		6.20	6.22					1							S
82013	9.993	0.022	8.717	0.013		1.086	0.020	T	1.05	0.02	L	8.7587	0.0017	0.016	126		8.73	8.78		C			1							
82014	9.877	0.026	9.001	0.020		0.782	0.025	T	0.82	0.02	L	9.0617	0.0019	0.018	93		9.03	9.10					1							
82015	10.504	0.023	9.740	0.020		0.696	0.024	T	0.75	0.02	L	9.8132	0.0030	0.036	239		9.74	9.88					1							
82016	9.197	0.012	8.754	0.012		0.407	0.015	G	0.47	0.02	H	8.8226	0.0014	0.017	141		8.78	8.85					1							
82017	8.319	0.010	7.966	0.010		0.343	0.013	T	0.40	0.02	L	8.0229	0.0011	0.010	107		8.00	8.04					1							S
82018	11.320	0.062	9.447	0.021		1.589	0.054	T	1.85	0.14	O	9.3538	0.0021	0.022	117		9.32	9.39		C			1							
82019	9.625	0.022	8.369	0.014		1.071	0.020	T	1.04	0.02	L	8.4154	0.0010	0.010	111		8.40	8.43					1							
82020	5.282	0.003	4.885	0.002		0.375	0.013	G	0.44	0.03	C	4.9301	0.0005	0.005	113		4.92	4.94		C			1	O						S
82021											T	10.5090	0.0615	0.541	65		9.76	11.47		D	16453−3848	I 1		S						G
82022	8.565	0.014	7.119	0.008		1.219	0.013	T	1.18	0.01	L	7.1535	0.0016	0.010	63		7.14	7.17					1							S
82023	11.898	0.157	10.342	0.061		1.306	0.133	T	1.27	0.14	L	10.3061	0.0557	0.376	91		9.80	10.74	20.82	P 1 A			1	S						G
82024	9.551	0.012	8.385	0.008	*	1.000	0.011	T	0.98	0.01	L *	8.4380	0.0014	0.017	245	*	8.41	8.47			16453+2435	H 1	2	C	A	AB	254	0.603	0.029	3.42	0.11	
82025	9.662	0.019	8.458	0.012		1.030	0.018	T	1.00	0.01	L	8.5102	0.0016	0.020	142		8.48	8.55					1							
82026	10.528	0.059	9.961	0.058		0.534	0.061	T	0.61	0.06	L	9.9712	0.0027	0.013	52		9.95	10.01					1							G
82027	9.831	0.018	8.652	0.012		1.011	0.017	T	0.99	0.01	L	8.7028	0.0017	0.019	108		8.68	8.73					1							
82028	7.749	0.007	5.818	0.003		1.637	0.006	T	2.30	0.02	O	5.6468	0.0015	0.023	136		5.62	5.70		U 2			1	S						S
82029	10.481	0.031	8.698	0.013		1.515	0.028	T	2.44	0.06	O	8.5020	0.0031	0.033	115		8.45	8.56		U 2			1							
82030	11.465	0.061	10.121	0.031		1.140	0.054	T	1.10	0.06	L	10.1144	0.0042	0.032	141		10.05	10.18		R			1							
82031	11.223	0.064	9.572	0.026		1.381	0.055	T	1.35	0.07	L	9.5549	0.0021	0.021	108		9.52	9.59		C			1							
82032	8.238	0.006	7.665	0.006		0.539	0.006	T	0.61	0.01	L	7.7042	0.0011	0.013	183		7.68	7.73			16454−7150	I 1	1							S
82033	10.191	0.043	8.765	0.023		1.204	0.038	T	1.16	0.04	L	8.8144	0.0026	0.016	48		8.79	8.86		C			1							
82034	7.429	0.004	7.525	0.006		−0.082	0.006	T	−0.06	0.01	L	7.5240	0.0012	0.014	166		7.50	7.55		M			1							S
82035	9.990	0.033	9.560	0.033		0.498	0.015	G	0.57	0.02	H	9.5751	0.0021	0.024	65		9.53	9.61		C			1							
82036	10.797	0.054	8.842	0.018	*	1.657	0.047	T	2.15	0.10	O *	8.7001	0.0018	0.021	105	*	8.66	8.75		U	16455−5104	H 1	2	C	B	AB	219	0.256	0.051	2.68	0.45	
82037	5.998	0.004	6.016	0.004		−0.012	0.005	T	0.01	0.01	L	6.0296	0.0007	0.005	91		6.02	6.04					1							S
82038	9.145	0.015	6.871	0.006		1.876	0.013	T	1.91	0.01	L	6.6890	0.0029	0.020	79		6.66	6.71		U 2			1	S						S
82039	9.372	0.016	8.356	0.011		0.886	0.015	T	0.89	0.01	L	8.3851	0.0013	0.015	124		8.36	8.41					1							S
82040	10.631	0.040	9.122	0.019		1.269	0.035	T	1.23	0.04	L	9.1262	0.0015	0.015	123		9.09	9.16		C			1							
82041	8.715	0.010	8.197	0.010		0.486	0.013	T	0.56	0.01	L	8.2542	0.0017	0.015	122		8.23	8.28		C			1							S
82042	10.744	0.038	9.584	0.023		0.960	0.015	G	1.01	0.01	I	9.5889	0.0026	0.023	124		9.54	9.63					1							
82043	8.556	0.008	8.319	0.009		0.210	0.015	G	0.23	0.02	H	8.3679	0.0015	0.018	152		8.34	8.41					1							S
82044	11.013	0.062	8.912	0.019		1.738	0.052	T	1.76	0.05	L	8.7800	0.0026	0.018	83		8.75	8.82					1	S						
82045	10.213	0.034	9.583	0.032		0.586	0.041	T	0.66	0.04	L	9.6518	0.0015	0.019	74		9.62	9.68		D			1							
82046	7.752	0.008	7.187	0.008		0.558	0.015	G	0.63	0.01	H	7.2263	0.0010	0.012	50		7.20	7.25		D			1							S
82047	10.106	0.036	8.699	0.019		1.189	0.032	T	1.15	0.03	L	8.7080	0.0022	0.013	62		8.68	8.73		C			1							
82048	9.446	0.016	8.380	0.011		0.950	0.015	G	0.94	0.01	H	8.4508	0.0012	0.013	111		8.43	8.47					1							S
82049	9.802	0.020	8.145	0.010		1.386	0.018	T	1.36	0.02	L	8.1581	0.0015	0.014	107		8.13	8.18					1							
82050	10.603	0.037	8.681	0.014		1.595	0.031	T	1.61	0.03	L	8.5754	0.0052	0.067	120		8.48	8.69		U 2			1							
82051	7.397	0.006	6.998	0.006		0.377	0.008	T	0.44	0.01	L	7.0522	0.0011	0.011	121		7.03	7.07					1							S
82052	9.793	0.031	9.340	0.032		0.402	0.020	G	0.47	0.02	H	9.4128	0.0030	0.016	55		9.37	9.45		C			1							
82053	10.518	0.033	8.678	0.012		1.530	0.028	T	1.57	0.06	L	8.6392	0.0019	0.021	150		8.60	8.67					1							
82054	11.143	0.040	9.287	0.014		1.543	0.034	T	1.60	0.07	L	9.2771	0.0021	0.026	192		9.23	9.33					1							
82055	11.337	0.045	10.061	0.023		1.086	0.039	T	1.05	0.03	L	10.1149	0.0024	0.034	238		10.04	10.17					1							
82056	9.206	0.013	8.809	0.014		0.376	0.018	T	0.44	0.02	L	8.8455	0.0033	0.043	118		8.80	9.15	16.96	P 1 A			1							
82057	11.351	0.107	9.923	0.050		1.205	0.093	T	1.16	0.09	L	9.9425	0.0023	0.021	59		9.91	9.98		C			1							G
82058	9.111	0.013	8.730	0.013	A	0.350	0.020	G	0.41	0.03	H	8.8206	0.0115	0.070	147	A	8.75	8.98		D	16457+3000	I 3	1	C	P	A				
82059	9.007	0.014	8.231	0.012		0.677	0.015	G	0.74	0.01	H	8.3007	0.0014	0.012	93		8.28	8.32		C			1	G						S
82060	10.272	0.029	9.547	0.025	B	0.630	0.020	G	0.70	0.02	H	9.7295	0.0226			B				D	16457+3000	I 3	1	C	I	A				
82061	9.794	0.021	8.585	0.013		1.034	0.019	T	1.01	0.02	L	8.6324	0.0012	0.011	101		8.61	8.65					1							
82062	9.013	0.014	8.420	0.012		0.561	0.018	G	0.63	0.02	H	8.4757	0.0015	0.013	99		8.45	8.50			16458−0046	I 1	1	S						S
82063	10.265	0.036	9.941	0.040		0.323	0.020	G	0.37	0.03	H	9.9411	0.0027	0.023	67		9.89	9.99					1							
82064	9.215	0.013	8.793	0.013		0.380	0.015	G	0.44	0.02	H	8.8750	0.0020	0.023	146		8.84	8.92		C	16457+3000	I 3	1							
82065	9.125	0.013	8.550	0.012		0.537	0.016	T	0.61	0.02	L	8.5984	0.0016	0.016	112		8.57	8.63					1							S
82066	8.780	0.012	8.274	0.011		0.476	0.015	T	0.55	0.02	L	8.3435	0.0013	0.012	92		8.32	8.37		C			1							S
82067	9.817	0.027	9.107	0.024	*	0.640	0.027	T	0.70	0.02	L *	9.1773	0.0032	0.018	55	*	9.15	9.21		C	16458−3552	H 1	2	C	A	AB	185	0.214	0.013	1.21	0.31	
82068	7.859	0.011	7.315	0.010	*	0.510	0.013	T	0.58	0.01	L *	7.4382	0.0010	0.011	134	*	7.41	7.46		D	16458+3538	I 1	2	C	A	AB	49	4.135	0.007	2.19	0.03	S
82069	7.090	0.005	7.047	0.007		0.037	0.001	G	0.05	0.00	H	7.0491	0.0017	0.008	52		7.04	7.06		C			1							S
82070	10.501	0.036	9.723	0.030		0.707	0.036	T	0.76	0.03	L	9.7747	0.0021	0.021	111		9.75	9.81		C			1							
82071	9.720	0.019	9.307	0.019		0.390	0.025	T	0.46	0.03	L	9.3527	0.0025	0.025	126		9.31	9.40		C			1							
82072	10.056	0.029	9.339	0.025	*	0.686	0.020	G	0.74	0.02	H *	9.3561	0.0022	0.018	74	*	9.33	9.40		D	16458−0828	H 1	2	C	A	AB	156	0.328	0.007	0.60	0.09	
82073	7.174	0.006	5.326	0.003		1.535	0.004	G	1.54	0.09	H	5.2731	0.0015	0.010	85		5.26	5.29		M	16458+0834	I 1	1							S
82074	9.770	0.035	8.248	0.018		1.160	0.218	G	1.87	0.10	S	8.1490	0.0040	0.020	53		8.11	8.18		R			1							
82075	9.057	0.015	7.622	0.009		1.211	0.014	T	1.17	0.01	L	7.6459	0.0011	0.012	117		7.63	7.67					1							S
82076	8.611	0.009	6.748	0.004		1.571	0.001	G	1.62	0.02	A	6.6922	0.0010	0.010	146		6.68	6.71					1							S
82077	10.881	0.077	8.244	0.017	*	1.622	0.214	G	1.60	0.22	J *	7.9282	0.0062	0.030	54	*	7.87	7.96		U 2	16459−3953	H 1	2	C	S	A	AB	195	0.136	0.006	0.13	0.47	
82078	7.096	0.004	6.907	0.004		0.181	0.005	T	0.20	0.01	L	6.9418	0.0009	0.011	204		6.92	6.96					1	X						S
82079	6.882	0.004	6.841	0.005	A	0.100	0.495	G	0.04	0.01	L *	6.8456	0.0009	0.009	148	*	6.83	6.86		D	16459−6140	I 1	2	C	B	AB	127	1.357	0.038	3.83	0.11	S
82080	5.345	0.004	4.315	0.003		0.897	0.013	G	0.91	0.03	C	4.3677	0.0012	0.010	96		4.36	4.41		P 1 A	16460+8203	I 1	1	V						S P
82081	7.609	0.009	7.180	0.009		0.408	0.003	G	0.47	0.00	H	7.2191	0.0010	0.008	81		7.21	7.24		C			1							S
82082	10.277	0.030	9.121	0.019		0.993	0.028	T	0.97	0.02	L	9.1812	0.0021	0.021	108		9.15	9.23					1							
82083	10.421	0.050	9.840	0.047		0.545	0.051	T	0.62	0.05	L	9.9057	0.0034	0.020	47		9.88	9.95		C			1							G
82084	9.960	0.056	9.660	0.068		0.270	0.015	G	0.30	0.02	H	9.6652	0.0042	0.026	59		9.62	9.71					1							D
82085	11.444	0.098	9.380	0.029		1.708	0.081	T	1.73	0.08	L	9.2984	0.0044	0.028	55		9.25	9.35		R			1	S						G
82086	9.714	0.017	8.283	0.010		1.208	0.015	T	1.17	0.01	L	8.3398	0.0018	0.017	152		8.31	8.37					1							
82087	9.319	0.011	8.442	0.008		0.775	0.015	G	0.81	0.01	H	8.5047	0.0019	0.018	189		8.47	8.53					1	S						S
82088	10.062	0.034	9.229	0.028		0.734	0.034	T	0.78	0.02	L	9.3097	0.0044	0.026	54		9.26	9.35					1							
82089	11.164	0.064	8.950	0.018		1.870	0.055	T	2.93	0.07	O	8.6308	0.0050	0.035	87		8.58	8.68		U 2			1	G						P
82090	9.962	0.022	9.125	0.017		0.753	0.021	T	0.80	0.01	L	9.1926	0.0035	0.032	127		9.15	9.25		R			1							
82091	6.579	0.006	6.478	0.007		0.087	0.010	G	0.10	0.01	H	6.5085	0.0010	0.005	52		6.50	6.52		C			1							S
82092	10.874	0.049	9.605	0.027		1.081	0.044	T	1.04	0.04	L	9.6176	0.0051	0.037	116		9.57	9.68		R			1							
82093	8.139	0.008	7.830	0.008		0.328	0.004	G	0.38	0.01	H	7.8786	0.0013	0.017	133		7.85	7.91					1							S
82094	10.117	0.041	8.799	0.023		1.156	0.015	G	1.12	0.01	H	8.8103	0.0019	0.016	51		8.79	8.84		D			1							
82095	10.718	0.044	9.820	0.032	A	0.700	0.495	G	0.87	0.07	B *	9.8385	0.0030	0.024	115	*	9.80	9.88		R	16462+4649	I 1	2	C	A	AB	296	4.550	0.030	2.77	0.11	
82096	10.818	0.039	9.247	0.017		1.318	0.034	T	1.28	0.04	L	9.2848	0.0022	0.021	125		9.24	9.32		C			1							
82097	10.046	0.076	9.975	0.124		0.320	0.015	G	0.37	0.02	H	9.8387	0.0050	0.027	59		9.75	9.88					1	S						D
82098	11.242	0.076	9.697	0.033		1.297	0.065	T	1.26	0.07	L	9.6737	0.0034	0.026	81		9.62	9.71					1							G
82099						2.400	0.495	G	2.85	0.55	K	11.6859	0.0053	0.062	119		11.60	11.80					1							G
82100	9.118	0.011	8.451	0.010		0.611	0.015	G	0.68	0.01	H	8.5142	0.0014	0.016	147		8.48	8.54		C			1							S

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)										Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
82101	16 46 14.80	+23 01 46.6	11.02	H	251.561 657 35	+23.029 608 13	−2.46	−4.60	0.40	2.64	2.65	3.96	2.69	2.95	+ 6	−19	−12	−27	+ 4	+15	+ 6	− 9	− 4	+14	1	
82102 H	16 46 14.86	−17 20 48.1	8.93	2 G	251.561 913 90	−17.346 696 87 A	9.81	−26.82	−16.61	3.13	2.38	3.49	3.19	2.96	−36	+ 0	− 6	+20	−31	−13	−22	+45	−48	−21	1	0.43
82103	16 46 15.16	+17 50 18.8	8.35	2 H	251.563 179 18	+17.838 555 29	2.58	−8.61	−18.76	0.79	0.72	1.18	1.15	1.02	+11	−15	− 6	+18	+ 9	−27	+10	+17	−18	+46	0	−0.65
82104	16 46 15.55	+07 21 36.2	8.60	G	251.564 792 73	+07.360 066 17	7.69	−3.30	4.02	1.08	0.83	1.31	1.04	0.86	− 2	−40	−37	+55	−10	− 3	+ 0	+58	−26	−22	0	−0.86
82105	16 46 16.32	+40 17 10.5	9.45	H	251.567 994 71	+40.286 256 32	2.79	1.53	11.59	0.81	0.90	1.01	0.89	1.12	+ 4	+ 2	−16	−18	− 9	−13	− 3	+21	−10	−19	1	0.72
82106	16 46 16.48	−47 58 16.4	9.27	H	251.568 674 02	−47.971 224 63	6.45	−31.35	−43.14	1.15	0.96	1.32	1.35	1.08	− 1	−27	−24	+17	−14	+17	− 9	+25	− 3	+ 0	0	1.84
82107	16 46 17.41	+04 53 06.8	9.10	H	251.572 557 13	+04.885 212 69	7.38	−217.71	−38.18	1.25	0.87	1.21	1.29	1.01	+21	−28	− 2	+61	+24	− 7	+25	+60	− 2	+14	0	−0.83
82108	16 46 17.82	+03 50 58.0	7.91	H	251.574 245 87	+03.849 455 61	4.90	− 9.23	−64.70	1.11	0.74	1.26	1.14	0.85	+11	−47	−17	+45	− 7	− 9	− 4	+64	− 7	+ 3	0	−0.80
82109	16 46 17.96	+41 11 28.8	9.81	H	251.574 819 91	+41.191 321 50	3.53	−11.47	14.30	0.90	0.92	1.09	1.01	1.13	+ 7	+21	−10	−22	− 1	− 7	− 1	− 6	+ 1	+ 3	1	0.96
82110	16 46 21.23	−58 30 12.8	5.74	H	251.588 447 80	−58.503 568 49	3.89	− 2.22	−10.78	0.46	0.42	0.77	0.53	0.50	− 4	−20	−26	+12	−27	+13	−15	+51	−24	−25	0	0.07
82111	16 46 21.96	+77 01 17.6	10.00	H	251.591 500 83	+77.021 551 93	−0.05	0.55	−5.66	0.79	0.96	0.97	0.98	1.35	+ 8	−16	−26	+ 0	−12	+27	− 5	− 9	− 6	+ 6	0	−1.31
82112	16 46 22.80	−09 02 03.2	9.69	G	251.594 993 16	−09.034 210 44	5.74	20.06	−38.79	1.43	1.01	1.70	1.80	1.43	−37	− 7	−18	+19	−23	+10	−13	+46	−34	−53	10	−0.41
82113	16 46 23.79	+47 32 35.8	8.00	H	251.599 141 40	+47.543 265 71	15.95	26.29	17.27	0.57	0.59	0.64	0.62	0.67	+ 3	− 3	+ 7	+ 3	+ 6	− 1	+ 9	+29	− 2	− 4	3	0.40
82114	16 46 24.54	−01 21 37.5	8.12	H	251.602 249 12	−01.360 408 77	13.18	36.94	−75.90	0.94	0.70	1.01	1.10	0.87	−10	−23	+10	+44	−11	+ 7	−16	+72	+ 9	− 1	0	1.04
82115	16 46 25.31	+20 01 23.3	7.75	H	251.605 468 57	+20.023 128 80	3.65	−31.26	− 7.67	0.74	0.64	0.97	0.73	0.74	+33	−33	−11	+39	+36	− 5	+44	+19	−12	+53	0	0.74
82116	16 46 29.12	−22 37 42.0	8.35	H	251.621 327 04	−22.628 321 07	7.48	33.83	−17.81	1.13	0.70	1.20	1.14	0.85	−30	−48	+17	+25	− 9	− 1	+ 1	+60	−10	−30	0	0.33
82117	16 46 30.68	+47 26 57.1	8.38	G	251.627 835 58	+47.449 181 68	10.21	−51.13	−16.57	0.65	0.63	0.69	0.74	0.74	+ 6	− 2	+11	+13	+22	+ 6	+20	+31	− 6	+15	0	0.93
82118	16 46 31.07	−54 16 31.1	8.64	H	251.629 469 62	−54.275 314 43	1.70	−13.29	− 7.79	1.03	0.83	1.22	1.45	1.09	+23	− 6	− 2	+40	+35	+ 3	+34	+46	− 2	+14	0	0.88
82119	16 46 32.90	+12 20 41.5	9.62	H	251.637 097 63	+12.344 873 10	4.50	−10.52	23.35	1.03	0.96	1.48	1.34	1.24	−17	− 9	−11	+35	−19	+ 5	−17	+40	−15	− 7	0	1.51
82120	16 46 34.19	−17 35 42.0	8.20	G	251.642 445 94	−17.595 003 86	28.73	188.93	−98.91	1.05	0.71	1.20	1.23	0.92	− 9	−18	−17	+15	−11	− 9	+ 2	+58	−16	−32	0	0.30
82121	16 46 34.20	−41 36 38.5	7.07	G	251.642 485 21	−41.610 695 64	0.32	−1.87	−1.41	0.77	0.57	0.91	0.91	0.68	+ 3	−30	−16	+14	+ 7	+24	+17	+14	−21	+ 4	0	−0.08
82122	16 46 34.36	+54 23 40.2	8.35	H	251.643 164 49	+54.394 505 96	5.20	−11.72	21.77	0.62	0.57	0.70	0.64	0.63	+ 1	− 2	−16	+ 1	−14	+25	−12	−14	+22	+ 1	0	0.16
82123	16 46 35.48	+41 47 32.4	7.97	2 G	251.647 849 18	+41.792 343 17	4.17	6.84	−21.62	0.58	0.58	0.68	0.60	0.67	+12	−14	− 3	−12	− 7	+ 4	− 5	+ 5	− 7	+ 7	0	−1.90
82124	16 46 37.13	+59 57 09.6	8.71	H	251.654 714 13	+59.952 664 91	2.75	10.25	− 4.19	0.81	0.78	0.85	0.98	1.08	+ 6	−21	− 2	+ 9	+ 0	+14	− 1	+31	+13	− 1	0	−2.03
82125	16 46 37.31	−35 47 39.7	9.04	H	251.655 448 68	−35.794 358 24	6.21	−26.40	−44.15	1.35	0.93	1.52	1.42	1.04	− 1	−45	−22	+ 9	+ 0	− 5	+ 4	+22	− 8	−23	0	1.26
82126	16 46 37.91	+02 19 23.5	7.90	H	251.657 939 53	+02.323 205 37	6.65	−14.87	70.73	1.29	0.72	1.45	1.26	0.87	+ 1	−58	− 3	+29	+ 6	− 8	+ 6	+57	− 7	+10	0	−1.91
82127 H	16 46 38.33	−03 11 44.3	8.26	G	251.659 726 83	−03.195 637 69 A	5.77	17.53	− 7.39	1.69	1.34	1.54	1.80	1.32	−10	−13	−16	+60	−24	+13	−20	+71	−27	−22	0	−0.33
82128	16 46 39.68	−18 47 19.9	9.38	H	251.665 342 47	−18.788 874 59	6.19	23.90	−49.37	1.39	1.07	1.59	2.16	1.86	−30	−27	−16	+18	−37	−18	−10	+60	+ 7	−78	0	1.35
82129	16 46 40.01	−67 06 34.8	5.10	1 H	251.666 725 26	−67.109 658 28	5.21	−15.20	−13.34	0.40	0.43	0.58	0.43	0.48	+ 3	−12	−10	− 9	−21	− 3	−22	−11	− 3	− 8	1	1.14
82130	16 46 40.53	−59 02 34.6	8.43	H	251.668 880 07	−59.042 939 65	4.15	−14.18	−20.34	0.60	0.55	1.03	0.70	0.66	− 1	−15	− 6	− 4	−19	+ 1	−18	+44	− 3	− 3	0	1.24
82131	16 46 41.55	−32 56 51.3	8.02	H	251.673 135 74	−32.947 585 10	2.17	−0.26	−5.65	0.91	0.74	1.00	1.03	0.89	− 9	−17	−18	+15	−16	− 8	−16	+19	−10	−21	0	1.21
82132	16 46 45.20	−30 37 57.6	10.59	G	251.688 315 32	−30.632 671 68	35.35	−103.20	−158.85	7.07	5.87	8.21	7.98	6.34	−30	−10	−26	− 8	+ 1	−12	− 1	+ 1	−12	−35	0	
82133	16 46 46.95	+02 12 34.3	8.87	H	251.695 606 13	+02.209 516 08	3.40	−13.46	13.72	1.41	0.81	1.39	1.52	0.98	+17	−44	+ 1	+49	+27	− 7	+27	+58	− 9	+25	0	−1.02
82134 H	16 46 47.14	−13 20 19.5	8.35	H	251.696 407 32	−13.338 762 72 *	6.95	−12.90	− 6.06	1.10	0.78	1.13	1.41	1.11	−37	−28	+ 6	+29	−14	+ 3	−10	+52	+ 2	−48	0	0.32
82135	16 46 47.97	−39 22 36.8	5.48	G	251.699 881 26	−39.376 898 36	8.83	−17.66	−26.16	0.82	0.58	0.93	0.63	0.62	−20	−64	− 5	−10	− 2	+10	+ 7	−15	−16	−48	3	1.91
82136	16 46 48.74	+62 47 56.7	8.24	G	251.703 076 20	+62.799 091 31	5.90	− 8.41	4.46	0.57	0.56	0.60	0.54	0.63	+13	−15	− 1	−22	− 4	+15	− 4	+ 5	+ 3	+10	4	1.21
*82137	16 46 49.83	+66 02 29.6	7.88	G	251.707 615 55	+66.041 549 42	4.79	4.68	4.80	0.61	0.59	0.63	0.75	0.72	+ 2	− 8	−13	− 1	− 8	− 5	− 4	+30	−24	− 6	0	0.48
*82138	16 46 49.80	+15 43 27.2	9.02	H	251.707 501 66	+15.724 234 03	1.30	−11.51	− 2.77	0.78	0.74	1.30	1.17	1.04	− 8	−25	−10	+11	+26	− 9	+16	+24	+ 2	+36	0	−0.74
82139	16 46 50.22	+39 06 18.3	8.72	G	251.709 262 45	+39.105 080 91	4.53	9.28	50.08	0.71	0.78	0.87	0.80	0.90	+11	−14	+ 6	+ 4	+20	+ 5	+16	+22	+13	+19	0	−0.66
82140	16 46 51.35	−25 31 42.7	6.72	H	251.713 946 79	−25.528 536 30	4.32	− 5.27	−13.83	0.80	0.59	0.93	0.99	0.73	− 8	− 4	−17	−19	−12	−40	−15	+ 3	+ 4	−38	0	0.67
82141	16 46 51.62	+55 24 35.9	7.34	H	251.715 100 86	+55.409 984 01	4.47	27.62	− 2.00	0.53	0.50	0.57	0.56	0.57	+ 3	+ 3	− 6	− 2	+ 3	− 7	+ 3	− 2	+ 7	− 6	0	0.51
*82142	16 46 53.02	+02 14 32.6	6.72	H	251.720 929 70	+02.242 388 34	16.48	−46.38	29.01	1.05	0.65	1.08	1.15	0.78	+10	−34	+ 8	+50	+19	+ 2	+18	+61	+ 1	+19	0	−1.29
*82143	16 46 52.97	+49 03 27.1	8.61	H	251.720 726 93	+49.057 529 03	5.19	− 2.95	−17.95	0.65	0.65	0.74	0.72	0.75	+ 6	−12	+26	+ 7	+14	+10	+ 8	+29	+23	+19	0	0.94
82144	16 46 53.72	+17 56 58.6	8.48	1 H	251.723 826 05	+17.949 597 35	3.57	−16.08	8.57	0.78	0.72	1.22	1.20	1.00	+ 5	−12	−15	+16	+12	−38	+11	+10	−23	+44	0	0.55
82145	16 46 54.17	+63 23 09.4	7.62	1 H	251.725 695 30	+63.385 953 56	1.43	−15.05	24.44	0.51	0.52	0.56	0.45	0.55	+ 5	−22	+ 3	−27	−15	+ 4	−15	− 5	+ 2	− 5	2	1.37
82146	16 46 54.32	+00 29 11.3	11.10	H	251.726 350 58	+00.486 465 71	6.13	− 8.35	5.42	2.37	1.68	2.84	2.64	2.08	−18	−27	+11	+38	−20	− 5	−16	+62	−13	−14	0	0.20
82147	16 46 55.53	−68 06 07.4	6.53	1 H	251.731 370 46	−68.102 044 97	9.16	10.43	32.93	0.34	0.50	0.69	0.46	0.61	+ 1	−10	−19	−17	+ 6	−13	+ 2	−26	+10	−19	1	−0.16
82148	16 46 56.12	−45 53 14.3	8.72	G	251.733 826 01	−45.887 302 20	2.22	− 0.19	− 4.09	1.35	1.26	1.80	1.83	1.20	+ 8	−26	−61	+12	+46	−20	+32	−12	+18	−14	0	−0.24
82149	16 46 57.07	−20 06 12.6	7.71	H	251.737 787 64	−20.103 507 85	5.73	27.89	−152.48	1.07	0.78	1.09	1.67	1.38	−39	− 9	− 2	+ 5	−25	− 6	+ 6	+56	+ 0	−75	0	1.67
*82150	16 46 58.69	−66 48 42.9	8.48	H	251.744 522 05	−66.811 914 76	7.17	16.67	54.04	0.68	0.79	1.05	0.76	0.91	+ 2	− 6	− 3	+ 6	−23	− 9	−24	+ 2	+ 2	− 3	0	−0.46
*82151	16 46 58.64	−11 36 15.3	9.39	H	251.744 348 02	−11.604 249 95	4.44	−6.60	−0.60	1.42	0.91	1.56	1.99	1.17	−10	−17	−17	+18	+ 8	+ 0	+ 9	+36	−23	− 5	0	1.20
82152	16 46 59.72	−02 29 12.7	10.46	H	251.748 812 67	−02.486 872 90	0.58	− 6.29	−11.49	9.38	6.22	10.15	10.92	7.81	+ 1	−46	− 8	+42	−14	−19	− 8	+67	−10	− 3	2	
82153 H	16 47 00.52	−28 22 26.2	9.47	2 H	251.752 166 47	−28.373 941 40 *	−2.11	−17.27	− 2.23	1.52	1.10	1.63	1.90	1.28	+ 0	−15	−18	− 9	−27	+ 2	−22	+17	−17	− 5	0	0.24
82154	16 47 01.69	−39 32 01.8	6.92	H	251.757 027 88	−39.533 819 54	4.09	−11.47	−22.08	0.94	0.62	1.07	0.67	0.65	−21	−70	− 3	−12	+ 0	+12	+12	−17	−20	−47	0	0.25
82155	16 47 01.98	+29 13 31.0	8.60	H	251.758 230 59	+29.225 265 19	10.20	27.36	11.11	0.62	0.72	1.00	0.73	1.01	+11	−10	−20	+ 7	+ 9	− 2	+10	− 4	+ 6	+10	1	0.58
82156	16 47 02.72	−07 49 41.7	9.73	H	251.761 328 66	−07.828 258 82	3.83	− 7.52	−18.68	1.61	1.05	1.69	2.00	1.37	−18	−21	−23	+42	− 8	+24	+ 5	+48	−38	−37	0	0.40
82157	16 47 03.26	−26 42 17.1	9.97	H	251.763 584 57	−26.704 750 00	6.39	4.70	−30.64	2.29	1.48	2.20	2.75	1.93	−30	−31	−37	−23	+49	−22	+48	−37	+15	−52	0	0.28
*82158	16 47 04.60	+67 16 00.8	7.05	1 H	251.769 184 23	+67.266 899 33	2.34	9.60	−33.84	0.50	0.50	0.54	0.55	0.64	+ 6	−20	− 9	+ 8	− 4	+ 7	+ 2	+20	−24	− 6	1	−0.42
*82159	16 47 04.54	−48 55 53.4	9.11	H	251.768 900 07	−48.931 501 21	0.47	− 9.36	−16.26	1.35	0.96	1.50	1.51	1.12	−21	−31	− 1	− 4	+31	+10	+34	+39	−26	−21	4	0.28
*82160	16 47 04.59	−03 05 50.9	9.33	H	251.769 112 23	−03.097 466 87	3.96	− 7.72	−25.41	1.37	1.01	1.33	1.59	1.21	−10	−17	− 9	+56	−18	+ 4	−16	+79	−14	−10	2	1.12
82161	16 47 04.61	−29 35 37.0	8.01	H	251.769 204 01	−29.593 609 50	4.39	24.19	−15.34	1.16	0.70	1.29	1.33	0.76	+16	−48	−32	+14	+10	−11	+13	+25	−16	+ 4	0	−0.50
82162	16 47 09.76	+02 03 52.4	6.07	H	251.790 665 79	+02.064 563 36	6.62	−11.00	−15.19	0.86	0.57	0.91	0.99	0.69	+ 0	−27	+11	+44	+14	+ 3	+12	+57	+ 2	+ 6	0	−1.09
82163	16 47 09.78	+13 01 52.8	7.91	H	251.790 739 41	+13.031 338 49	1.49	−22.53	11.59	0.75	0.61	1.00	0.91	0.73	+25	−18	− 6	+28	+28	+ 3	+30	+12	+ 0	+41	0	0.52
82164	16 47 11.21	−64 21 50.8	8.91	H	251.796 704 78	−64.364 116 60	2.16	−11.21	−26.10	0.76	0.87	1.35	0.90	1.03	+13	−12	−25	−16	−39	+13	−30	+17	−10	−13	0	1.05
82165	16 47 12.04	+32 49 17.6	8.68	H	251.800 158 37	+32.821 550 30	3.09	12.96	− 6.70	0.70	0.84	1.01	0.84	1.10	+ 3	+ 1	− 9	+29	+ 5	− 5	+ 3	+11	+ 1	−11	0	0.33
82166	16 47 15.94	+63 31 52.9	6.80	H	251.816 424 45	+63.531 348 14	3.61	−67.11	66.07	0.47	0.48	0.52	0.42	0.49	+ 6	−17	− 8	−32	−20	+ 7	−17	− 3	+ 1	−10	2	1.70
82167 H	16 47 17.51	−57 05 36.0	9.01	H	251.822 940 03	−57.093 327 83 *	8.87	49.66	−43.98	1.12	1.00	1.81	1.30	1.06	+31	−42	−56	+ 8	+27	−20	+28	+35	−32	+23	0	−1.24
*82168	16 47 17.62	−62 56 59.9	8.74	H	251.823 411 49	−62.949 974 50	2.09	8.74	0.42	0.64	0.65	1.19	0.73	0.76	+ 1	+ 4	+13	−16	−27	− 2	−23	+14	+ 9	−14	0	0.29
*82169	16 47 17.58	−01 11 18.0	10.76	H	251.823 249 37	−01.188 320 26	36.48	−18.60	−242.12	1.97	1.42	2.22	2.29	1.66	−22	−26	+17	+37	−13	+ 1	−20	+64	+ 3	− 1	0	−0.41
82170	16 47 19.45	+28 44 00.5	10.04	H	251.831 046 45	+28.733 475 70	1.47	3.09	3.45	0.95	1.26	1.64	1.15	1.55	+16	−24	−34	+ 3	+ 3	− 2	+ 0	− 9	+ 7	+ 3	0	−0.76
82171	16 47 19.66	−58 20 29.0	5.55	1 H	251.831 933 75	−58.341 392 34	1.56	− 5.77	−20.09	0.45	0.41	0.75	0.52	0.49	− 3	−21	−26	+15	−25	+12	−13	+51	−23	−26	1	0.15
82172	16 47 19.74	+42 14 20.3	5.86	2 H	251.832 270 18	+42.238 979 55	4.39	2.29	−25.31	0.47	0.47	0.55	0.50	0.55	+ 9	− 8	−14	−11	−10	− 2	−10	+ 6	− 4	+ 1	0	−1.38
82173	16 47 19.92	−57 27 38.8	7.68	H	251.832 988 97	−57.460 791 44	5.02	−12.75	− 9.10	0.89	0.64	1.22	0.93	0.75	+40	−47	−42	+38	+19	− 5	+32	+61	−33	+21	0	0.68
82174	16 47 20.14	+27 38 33.4	10.27	H	251.833 923 98	+27.642 602 94	2.57	−11.01	− 2.21	0.90	1.28	1.72	1.13	1.51	+12	−10	−25	− 6	+ 5	− 2	+ 6	+ 0	− 9	+ 3	2	3.02
82175	16 47 21.29	+80 07 04.0	7.94	2 H	251.838 718 37	+80.117 778 23	5.30	−11.35	36.89	0.54	0.55	0.63	0.59	0.70	+10	−18	−20	− 7	+19	−14	+17	−22	+ 7	− 1	1	0.80
82176	16 47 21.77	−24 42 22.8	9.52	H	251.840 718 77	−24.706 320 94	7.17	−30.17	−33.89	1.30	0.92	1.56	1.53	1.04	− 2	−22	−39	+ 2	− 7	−14	− 9	+21	−14	−22	0	0.03
82177	16 47 21.80	−58 58 49.9	9.02	H	251.840 833 21	−58.980 519 55	1.55	−14.49	−18.36	0.70	0.61	1.26	0.80	0.72	+ 5	−20	−13	− 7	−15	+10	−12	+41	−10	+ 1	0	−0.04
82178	16 47 21.80	−44 42 43.0	8.41	H	251.840 833 45	−44.711 934 54	−0.54	2.78	− 1.41	1.23	1.15	1.67	1.63	1.35	− 8	−31	−47	+15	+25	−44	− 5	−13	+37	−61	3	0.53
82179	16 47 22.18	−13 49 08.8	10.25	H	251.842 430 71	−13.819 121 83	3.74	− 4.27	− 0.75	1.72	1.17	1.75	2.36	1.74	−21	−11	+12	+13	+18	+ 6	+20	+32	+ 2	−21	0	0.32
82180	16 47 22.30	+66 56 46.7	8.69	H	251.842 917 52	+66.946 297 58	2.70	− 2.26	25.03	0.67	0.64	0.72	0.74	0.86	+ 0	− 1	+ 1	− 7	− 7	+ 0	− 5	+17	−33	− 8	0	0.25
82181	16 47 22.47	−00 12 01.9	10.08	H	251.843 642 67	−00.200 534 08	3.83	4.60	1.89	1.65	1.10	1.83	1.70	1.36	− 8	−46	− 3	+50	− 9	−10	+ 0	+62	−17	−13	2	1.16
82182	16 47 22.75	+69 05 55.6	7.49	H	251.844 807 50	+69.098 780 88	3.91	−12.34	27.67	0.50	0.50	0.53	0.49	0.57	+ 4	−17	− 2	− 4	+12	− 8	+15	+ 7	−19	+15	0	−0.49
82183	16 47 24.05	−06 13 30.0	9.11	H	251.850 187 69	−06.224 988 37	3.92	− 3.93	−14.19	1.29	0.83	1.42	1.54	1.12	− 4	−30	− 1	+29	+ 6	−13	+10	+44	− 2	−12	0	−0.03
82184	16 47 24.67	+23 12 57.6	9.10	H	251.852 781 01	+23.215 996 84	1.74	4.42	−14.50	0.80	0.95	1.44	0.80	1.14	−11	−10	− 1	−20	+ 2	+17	+ 5	−13	−31	− 9	1	0.25
82185	16 47 24.85	+28 23 55.1	7.96	H	251.853 524 64	+28.398 649 48	8.41	51.59	9.75	0.57	0.73	1.00	0.71	0.93	+ 8	−16	−25	− 6	+ 2	− 7	+ 0	− 5	+ 0	− 4	1	0.59
82186	16 47 24.91	+02 09 39.4	7.71	H	251.853 779 78	+02.160 953 91	17.48	85.90	− 6.39	1.02	0.68	1.12	1.10	0.83	+ 5	−38	− 6	+51	+ 2	− 6	+ 5	+65	− 7	+ 0	2	−0.76
82187	16 47 25.27	−59 40 09.6	7.40	H	251.855 295 29	−59.669 322 14	5.34	−13.92	−22.52	0.51	0.47	0.85	0.56	0.55	+ 2	−28	−20	+ 4	−24	+ 3	−13	+53	−20	−14	0	0.68
82188	16 47 25.88	+13 39 50.0	8.85	H	251.857 833 83	+13.663 884 34	1.68	− 8.42	1.43	0.86	0.66	1.12	1.14	0.91	+20	−17	−14	+ 9	+15	+ 2	+18	+ 2	− 5	+35	0	−0.26
82189	16 47 28.12	−48 19 10.0	7.22	1 H	251.867 186 53	−48.319 439 74	1.90	7.33	− 9.07	0.84	0.66	0.94	0.93	0.77	−22	−31	− 1	+28	− 7	+ 8	+ 1	+57	−19	−29	2	−0.80
82190	16 47 28.31	+01 27 23.9	8.57	H	251.867 946 63	+01.456 638 01	11.08	− 0.22	−24.49	1.13	0.75	1.15	1.36	0.88	+13	−10	+19	+59	+22	+16	+19	+63	+ 6	+21	0	0.94
82191	16 47 29.75	−22 10 26.0	9.39	G	251.873 945 79	−22.173 887 45	−0.03	− 1.46	− 1.82	1.32	0.90	1.39	1.40	1.19	−43	−43	− 6	+28	−37	+ 6	−17	+69	−21	−59	0	−0.05
82192 H	16 47 30.27	−66 04 21.3	8.33	H	251.876 117 07	−66.072 584 71 *	2.80	12.30	− 5.86	2.52	4.17	1.59	1.20	1.36	+25	−10	−10	+ 0	−22	+11	−25	+11	− 5	+ 4	1	0.46
82193 H	16 47 30.34	−45 27 37.9	7.41	H	251.876 420 32	−45.460 520 02 A	2.69	− 0.81	− 1.82	1.90	2.10	2.48	2.36	1.79	−28	+27	−52	−29	+36	−51	+23	−22	+32	−53	0	−0.15
82194	16 47 30.87	+31 37 05.1	9.62	H	251.878 638 25	+31.618 074 26	3.42	9.85	− 6.99	0.87	1.01	1.36	1.00	1.31	+15	−13	− 3	+26	+14	+ 5	+13	+ 8	+24	+22	1	2.09
82195	16 47 30.97	−47 35 25.6	7.22	H	251.879 041 88	−47.590 444 37	1.11	1.16	− 3.27	0.78	0.67	0.93	0.92	0.74	+ 9	−19	−20	+18	+ 4	+14	+ 9	+12	−12	+12	3	2.06
82196 H	16 47 33.08	+42 55 11.2	10.13	H	251.887 847 06	+42.919 765 04 A	−2.55	4.52	13.75	5.20	3.93	2.09	2.51	2.11	−28	− 9	− 7	+ 0	+ 4	−14	+ 0	+ 9	−12	+10	6	3.07
82197	16 47 33.32	−10 31 19.2	9.31	G	251.888 853 59	−10.522 012 07	7.86	−30.68	−26.09	1.28	0.80	1.51	1.83	1.16	−16	−27	−20	− 4	−23	+21	− 8	+38	−44	−15	0	0.73
82198	16 47 34.32	+14 23 25.6	9.06	H	251.892 997 01	+14.390 440 08	4.79	−14.85	−13.71	0.81	0.66	1.26	1.10	0.92	−24	− 2	− 5	+26	+20	+12	+26	+12	− 2	− 5	14	0	−0.52
82199	16 47 34.33	−42 52 36.3	8.20	1 G	251.893 060 46	−42.876 739 59	1.85	− 3.55	− 0.60	0.99	0.77	1.19	1.17

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
82101	12.115	0.132	10.986	0.077		0.972	0.119	T	0.96	0.10	L	11.1865	0.0054	0.062	135		11.07	11.29					1 X							G
82102	10.147	0.037	9.475	0.033	A	0.629	0.015	G	0.70	0.01	H *	9.0735	0.0018	0.017	69	*	9.05	9.13		U 2	16463−1721	I 1	2 C A	AB	85	3.426	0.007	0.20	0.02	
82103	10.475	0.034	8.569	0.013		1.617	0.030	T	2.38	0.06	O	8.3807	0.0045	0.039	125		8.32	8.44		U 2			1							
82104	8.956	0.015	8.674	0.016		0.323	0.015	G	0.37	0.02	H	8.6879	0.0026	0.017	81		8.65	8.72					1							
82105	10.828	0.047	9.564	0.026		1.077	0.042	T	1.04	0.03	L	9.6160	0.0023	0.020	115		9.58	9.65		C			1							
82106	9.712	0.030	9.256	0.031		0.443	0.034	T	0.51	0.04	L	9.3640	0.0027	0.018	55		9.35	9.40		C			1							G
82107	9.951	0.030	9.184	0.025		0.699	0.031	T	0.76	0.03	L	9.2383	0.0017	0.020	80		9.21	9.27		R			1							
82108	9.244	0.020	8.051	0.013		1.022	0.019	T	1.00	0.02	L	8.0794	0.0013	0.010	78		8.07	8.10		C			1							S
82109	9.974	0.023	9.827	0.029		0.141	0.035	T	0.16	0.04	L	9.8649	0.0025	0.025	113		9.82	9.90		C			1							
82110	5.600	0.002	5.717	0.002		−0.101	0.003	T	−0.08	0.00	L	5.7073	0.0006	0.007	216		5.70	5.72					1							S
82111	9.834	0.025	9.928	0.036		−0.081	0.039	T	−0.06	0.05	L	9.9767	0.0026	0.023	91		9.94	10.01		C			1							
82112	10.536	0.044	9.811	0.036		0.690	0.020	G	0.75	0.02	H	9.8451	0.0029	0.020	77		9.81	9.88		C			1							
82113	8.546	0.009	8.049	0.009		0.495	0.015	G	0.57	0.02	H	8.1111	0.0013	0.012	131		8.09	8.13					1							S
82114	8.714	0.010	8.185	0.010		0.496	0.013	T	0.57	0.01	L	8.2281	0.0013	0.010	117		8.21	8.25		C			1							S
82115	9.236	0.015	7.872	0.009		1.155	0.014	T	1.12	0.01	L	7.9173	0.0014	0.011	126		7.90	7.94		C			1							
82116	9.073	0.012	8.454	0.010		0.573	0.012	T	0.65	0.01	L	8.4774	0.0014	0.012	121		8.45	8.50		C	16465−2238	I 1	1 S							S
82117	9.099	0.012	8.472	0.011		0.612	0.015	G	0.68	0.01	H	8.5109	0.0012	0.013	127		8.48	8.54		C			1							S
82118	10.312	0.032	8.803	0.016		1.269	0.028	T	1.23	0.03	L	8.7996	0.0019	0.017	105		8.78	8.83		C			1							
82119	10.779	0.049	9.697	0.031		0.936	0.044	T	0.93	0.03	L	9.7831	0.0028	0.026	91		9.74	9.85					1							
82120	9.057	0.018	8.286	0.015		0.685	0.007	G	0.74	0.01	H	8.3478	0.0018	0.011	70		8.32	8.37		C			1							S
82121	7.217	0.007	7.100	0.009		0.179	0.002	G	0.20	0.00	H	7.1025	0.0013	0.011	62		7.09	7.12		C			1							S
82122	8.653	0.012	8.381	0.013		0.297	0.015	G	0.34	0.02	H	8.4220	0.0019	0.014	99		8.40	8.45					1							S
82123	8.390	0.011	7.996	0.011		0.373	0.014	T	0.44	0.01	L	8.0590	0.0015	0.014	126		8.03	8.12		U 2 C			1							S P
82124	9.830	0.024	8.810	0.017		0.889	0.022	T	0.89	0.02	L	8.8689	0.0019	0.021	104		8.84	8.91					1							S
82125	9.512	0.022	9.079	0.023		0.423	0.026	T	0.49	0.03	L	9.1368	0.0023	0.013	55		9.11	9.16		C			1							
82126	9.167	0.018	8.034	0.012		0.975	0.017	T	0.96	0.01	L	8.0643	0.0022	0.012	85		8.05	8.09					1							S
82127	9.087	0.014	8.405	0.012	A	0.140	0.351	G	0.66	0.02	L *	8.3792	0.0014	0.014	117	*	8.36	8.41		D	16466−0312	I 1	2 C A	AB	21	1.877	0.007	2.39	0.04	S
82128	10.044	0.028	9.457	0.027		0.581	0.015	G	0.65	0.01	H	9.5087	0.0020	0.019	83		9.47	9.54		C			1							
82129	4.989	0.002	5.092	0.003		−0.080	0.000	G	−0.06	0.00	H	5.0780	0.0012	0.013	150		5.06	5.10	3.76	P 1 A	16467−6707	I 1	1							S
82130	10.235	0.025	8.575	0.012		1.388	0.022	T	1.36	0.03	L	8.5775	0.0014	0.017	230		8.55	8.61		C			1							
82131	8.231	0.013	8.043	0.015		0.180	0.019	T	0.20	0.02	L	8.0859	0.0023	0.013	46		8.06	8.11					1							S
82132						1.389	0.021	G	1.63	0.02	A	10.6822	0.0047	0.032	54		10.63	10.74					1 X S							G G
82133	8.734	0.013	8.826	0.018		−0.079	0.020	T	−0.06	0.02	L	8.8475	0.0018	0.015	82		8.82	8.88			16468+0214	I 2	1							
82134	8.721	0.013	8.377	0.013	*	0.326	0.017	T	0.38	0.02	L *	8.4293	0.0015	0.009	79	*	8.41	8.46		C	16468−1320	I 1	2 C S A	AB	114	0.196	0.050	1.60	0.83	
82135	6.728	0.005	5.593	0.004		0.975	0.005	G	0.96	0.00	H	5.6461	0.0007	0.005	61		5.64	5.66		C			1							S
82136	8.383	0.009	8.251	0.011		0.114	0.015	G	0.13	0.01	H	8.2793	0.0012	0.011	110		8.26	8.30					1							S
82137	8.047	0.009	7.869	0.010		0.158	0.015	G	0.17	0.01	H	7.9229	0.0015	0.013	91		7.90	7.96					1							S
82138	11.198	0.049	9.174	0.014		1.677	0.041	T	1.70	0.04	L	9.1296	0.0022	0.027	159		9.08	9.17					1							
82139	9.231	0.014	8.729	0.013		0.464	0.025	G	0.53	0.03	H	8.8178	0.0018	0.017	120		8.78	8.85					1							
82140	8.209	0.012	6.846	0.007		1.177	0.003	G	1.14	0.00	H	6.8811	0.0013	0.008	65		6.87	6.90		C			1							S
82141	9.106	0.013	7.497	0.007		1.348	0.012	T	1.31	0.01	L	7.4918	0.0013	0.010	126		7.47	7.51					1							S
82142	7.136	0.005	6.760	0.006		0.356	0.007	T	0.42	0.01	L	6.8043	0.0009	0.007	82		6.79	6.82		C	16468+0214	I 2	1							S
82143	9.219	0.014	8.647	0.013		0.535	0.017	T	0.61	0.02	L	8.7230	0.0017	0.015	114		8.69	8.75		C			1							S
82144	9.795	0.020	8.610	0.013		1.015	0.019	T	0.99	0.01	L	8.6493	0.0020	0.024	120		8.62	8.70		U			1							
82145	9.710	0.019	7.811	0.009		1.577	0.017	T	1.60	0.02	L	7.7393	0.0020	0.013	107		7.72	7.76		M			1							S
82146	11.873	0.153	11.165	0.131		0.668	0.086	G	0.73	0.07	R	11.2414	0.0046	0.032	73		11.18	11.31		C			1							G
82147	6.746	0.003	6.552	0.003		0.182	0.001	G	0.20	0.00	H	6.5898	0.0013	0.015	217		6.57	6.61		U 2			1							S
82148	9.415	0.034	8.791	0.031		0.643	0.071	G	0.71	0.06	H	8.8413	0.0036	0.023	44		8.80	8.88					1							
82149	9.185	0.018	7.872	0.011		1.115	0.017	T	1.08	0.02	L	7.8805	0.0014	0.012	87		7.86	7.90		C			1							
82150	9.702	0.024	8.573	0.016		0.972	0.022	T	0.96	0.02	L	8.6410	0.0020	0.021	149		8.60	8.68		C			1							
82151	10.889	0.068	9.524	0.033		1.156	0.059	T	1.12	0.05	L	9.5581	0.0027	0.019	61		9.52	9.59					1							
82152	12.197	0.160	10.598	0.058		1.345	0.141	T	1.56	0.21	L	10.5663	0.0037	0.038	108		10.49	10.61					1 X							G G
82153	11.369	0.114	9.730	0.042	*	1.371	0.095	T	1.34	0.12	L *	9.6293	0.0064	0.041	65	*	9.56	9.70		U 2	16470−2822	H 1	2 C S B	AB	17	0.199	0.022	1.00	0.60	G
82154	6.866	0.006	6.903	0.008		−0.029	0.009	T	−0.01	0.01	L	6.9236	0.0014	0.008	59		6.91	6.94		C			1							S
82155	9.230	0.013	8.656	0.012		0.537	0.016	T	0.61	0.02	L	8.7224	0.0017	0.016	135		8.69	8.75		C			1							S
82156	10.779	0.057	9.813	0.038		0.828	0.020	G	0.85	0.01	H	9.8830	0.0033	0.024	74		9.84	9.93					1							
82157	11.363	0.111	10.267	0.069		0.947	0.100	T	0.94	0.07	L	10.1328	0.0042	0.023	48		10.08	10.17		C			1 G							G
82158	9.037	0.013	7.218	0.006		1.514	0.011	T	1.55	0.02	L	7.1740	0.0012	0.013	103		7.16	7.20		M			1							S
82159	10.328	0.032	9.216	0.022		0.950	0.031	T	0.94	0.02	L	9.2589	0.0021	0.020	100		9.22	9.29					1							
82160	9.684	0.019	9.349	0.020		0.347	0.020	G	0.41	0.03	H	9.4136	0.0021	0.021	111		9.39	9.45		C			1							
82161	9.284	0.021	8.107	0.014		1.009	0.020	T	0.98	0.02	L	8.1724	0.0028	0.014	52		8.15	8.20					1							
82162	6.243	0.004	6.089	0.004		0.140	0.005	T	0.15	0.01	L	6.1263	0.0011	0.007	84		6.11	6.14			16472+0203	I 1	1							S
82163	9.840	0.020	8.063	0.009		1.480	0.017	T	1.50	0.03	L	8.0429	0.0018	0.015	125		8.02	8.07					1							S
82164	10.503	0.029	9.059	0.015		1.218	0.026	T	1.18	0.03	L	9.0770	0.0017	0.018	142		9.05	9.11		C			1							
82165	10.041	0.021	8.785	0.013		1.071	0.019	T	1.04	0.02	L	8.8454	0.0017	0.021	132		8.81	8.89					1							
82166	8.849	0.012	6.976	0.006		1.556	0.011	T	1.57	0.01	L	6.9164	0.0011	0.008	94		6.90	6.93		C			1							S
82167	9.651	0.022	9.078	0.020	*	0.539	0.022	T	0.61	0.02	L *	9.1236	0.0020	0.021	96	*	9.07	9.15		D	16473−5706	I 1	2 C S A	BA	228	0.173	0.007	0.17	0.24	
82168	8.847	0.010	8.748	0.012		0.089	0.014	T	0.10	0.01	L	8.7823	0.0021	0.020	175		8.75	8.83					1							
82169						1.502	0.317	G	2.08	2.45	I	10.8230	0.0048	0.043	89		10.75	10.89		C			1							G
82170	11.698	0.082	10.110	0.033		1.331	0.070	T	1.29	0.08	L	10.1933	0.0028	0.030	146		10.14	10.26		C			1							
82171	5.451	0.002	5.562	0.002		−0.096	0.003	T	0.00	0.03	C	5.5494	0.0008	0.010	189		5.53	5.57		U 2			1							S
82172	7.866	0.008	6.096	0.005		1.504	0.008	T	2.64	0.02	O	5.8475	0.0048	0.046	120		5.78	5.93		U 2			1 S							S P
82173	7.813	0.008	7.710	0.009		0.100	0.011	T	0.11	0.01	L	7.7221	0.0013	0.013	127		7.70	7.74					1							S
82174	12.141	0.116	10.471	0.040		1.568	0.082	G	1.70	0.17	K	10.3730	0.0032	0.031	160		10.31	10.43		C			1							G
82175	9.145	0.013	8.055	0.009		0.942	0.012	T	0.93	0.01	L	8.1022	0.0021	0.019	109		8.08	8.15		U 2			1							S
82176	10.045	0.039	9.538	0.040		0.487	0.042	T	0.56	0.04	L	9.6213	0.0029	0.018	54		9.60	9.66		C			1							
82177	10.402	0.033	9.119	0.018		1.092	0.029	T	1.05	0.03	L	9.1921	0.0017	0.020	227		9.16	9.23					1							
82178	10.497	0.059	8.628	0.023		1.553	0.050	T	1.57	0.05	L	8.5335	0.0040	0.023	46		8.50	8.57					1							
82179	10.754	0.056	10.283	0.058		0.457	0.063	T	0.53	0.07	L	10.3523	0.0029	0.020	72		10.32	10.39		C			1							G
82180	10.129	0.031	8.798	0.017		1.129	0.028	T	1.09	0.03	L	8.8591	0.0016	0.015	103		8.83	8.89		C			1							
82181	12.315	0.231	10.292	0.054		1.713	0.195	T	1.94	0.23	K	10.1676	0.0022	0.021	84		10.14	10.20		C			1							G
82182	7.519	0.006	7.487	0.007		0.034	0.009	T	0.05	0.01	L	7.5094	0.0011	0.010	110		7.49	7.53		C			1							S
82183	9.468	0.024	9.162	0.026		0.309	0.020	G	0.35	0.03	H	9.1890	0.0013	0.017	69		9.16	9.22		D			1							
82184	10.646	0.037	9.158	0.017		1.252	0.032	T	1.21	0.03	L	9.2664	0.0024	0.023	119		9.21	9.32					1							
82185	8.787	0.009	8.050	0.008		0.675	0.010	T	0.73	0.01	L	8.1026	0.0019	0.016	163		8.07	8.13					1							S
82186	8.291	0.011	7.769	0.009		0.490	0.013	T	0.56	0.01	L	7.8200	0.0015	0.011	92		7.80	7.84					1							S
82187	7.418	0.004	7.409	0.006		0.009	0.006	T	0.03	0.01	L	7.4143	0.0007	0.012	209		7.40	7.43					1							S
82188	9.092	0.013	8.883	0.014		0.200	0.018	T	0.22	0.02	L	8.9162	0.0019	0.016	136		8.88	8.95					1							
82189	9.413	0.022	7.415	0.009		1.692	0.020	T	1.93	0.06	O	7.3135	0.0017	0.011	82		7.29	7.33		M	16475−4820	I 1	1							S
82190	9.272	0.015	8.652	0.014		0.577	0.018	T	0.65	0.02	L	8.6909	0.0017	0.013	93		8.67	8.71		C	16475+0127	I 1	1							
82191	9.390	0.014	9.347	0.018		0.030	0.015	G	0.05	0.01	H	9.3853	0.0026	0.021	107		9.35	9.42		C			1							
82192	9.392	0.015	8.438	0.011	*	0.840	0.014	T	0.86	0.01	L *	8.4814	0.0017	0.017	143	*	8.45	8.52		C	16475−6604	H 1	2 C B	AB	36	0.256	0.040	2.44	0.42	
82193	7.428	0.012	7.430	0.018	*	0.003	0.020	T	0.02	0.02	L *	7.4198	0.0041	0.025	36	*	7.38	7.47		D	16475−4528	I 1	2 C A	AB	356	0.511	0.004	0.97	0.02	S
82194	10.176	0.024	9.702	0.025		0.446	0.032	T	0.52	0.03	L	9.7233	0.0021	0.027	123		9.68	9.76					1							
82195	8.631	0.017	7.402	0.011		1.050	0.016	T	1.02	0.01	L	7.3915	0.0017	0.011	57		7.37	7.41					1							S
82196	11.138	0.056	10.282	0.044	*	0.767	0.053	T	0.81	0.04	L *	10.2835	0.0038	0.032	112	*	10.24	10.34		D	16476+4255	M 1	2 C A	AB	110	0.313	0.007	0.23	0.11	
82197	10.067	0.032	9.389	0.028		0.619	0.020	G	0.69	0.02	H	9.4408	0.0022	0.012	62		9.42	9.46		C			1							
82198	9.533	0.016	9.095	0.016		0.413	0.021	T	0.48	0.02	L	9.1585	0.0018	0.016	130		9.13	9.19		C			1							
82199	8.483	0.014	8.247	0.016		0.225	0.020	T	0.25	0.02	L	8.2382	0.0032	0.025	72		8.19	8.27		U	16476−4253	I 1	1 S							
82200	9.425	0.016	8.033	0.010		1.177	0.015	T	1.14	0.01	L	8.0991	0.0018	0.014	111		8.08	8.13					1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)																						Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	$\alpha*$	$\alpha*$	δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr																			%	
1 2	3	4	5 6 7		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28										29	30
82201	16 47 36.27	−33 41 58.3	7.79	G	251.901 120 29	−33.699 538 49		12.93	−8.79	−49.07	0.91	0.74	1.01	1.00	0.85	−18	−26	−26	+13	−28	+	0	−24	+35	−	6	−39										0	−0.81
82202	16 47 36.87	−62 08 58.6	8.55	H	251.903 632 24	−62.149 610 87		4.92	−23.71	−15.59	0.71	0.68	1.09	0.90	0.85	+22	+	3	−	2	−	6	−	1	+	3	−	4	+28	−	2	+29						0	1.19
82203	16 47 37.77	+37 33 36.8	7.18	H	251.907 369 59	+37.560 231 69		6.48	−6.96	−3.78	0.48	0.48	0.60	0.52	0.52	+	8	−11	−	1	+	4	+13	−14	+14	+	9	−13	+18									2	−0.06
82204	16 47 38.26	+79 30 13.1	6.83	H	251.909 420 99	+79.503 637 75		3.03	−18.20	28.43	0.49	0.53	0.58	0.52	0.72	+17	−22	−27	−21	+	7	−	3	+	7	−17	+16	+	1									0	0.38
82205	16 47 38.56	−42 50 05.8	9.89	H	251.910 663 11	−42.834 951 68		7.20	−38.91	−79.28	1.70	1.15	1.79	2.03	1.35	+13	−24	−	7	+35	+12	+28	+17	+41	−11	+11										0	−0.39
82206	16 47 38.83	+53 03 19.8	10.59	H	251.911 774 57	+53.055 504 82		22.58	12.49	78.91	1.15	1.11	1.28	1.29	1.35	+	1	+	1	−16	−17	−	5	+	0	−	3	−10	+15	−21							1	0.99
82207	16 47 39.33	+14 18 58.3	10.16	2 H	251.913 865 12	+14.316 200 46		1.22	4.10	−12.87	1.17	1.02	1.97	1.56	1.31	+	3	−	5	−23	+18	+19	−	2	+23	+	2	−	6	+25							0	0.45
82208	16 47 40.19	−52 58 02.2	8.94	H	251.917 455 37	−52.967 264 92		8.07	−13.48	−34.12	1.07	0.86	1.27	1.33	0.99	+18	−24	−17	+31	+30	+	5	+32	+51	−22	+18										0	0.26
82209	16 47 40.69	+34 13 34.7	8.45	H	251.919 536 32	+34.226 303 20		0.63	8.92	−8.43	0.60	0.71	0.86	0.61	0.82	+	4	−11	−21	+	2	+	5	−	3	+	9	+15	−17	−12							0	−0.15
82210	16 47 41.50	+56 53 32.6	8.41	G	251.922 896 33	+56.892 383 59		23.72	17.62	44.71	0.63	0.65	0.67	0.70	0.76	+	6	+	3	−	2	−	8	+	8	−	6	+12	+23	−	8	−	5	1	0.53
82211	16 47 44.19	−26 11 12.7	9.90	H	251.934 104 75	−26.186 870 31		17.52	−87.76	−119.12	1.47	1.03	1.62	1.80	1.25	+	2	−21	−24	+	2	+	1	−12	−	4	+	4	+15	−19							0	−0.15
82212	16 47 44.25	+43 18 38.0	8.51	1 H	251.934 371 23	+43.310 560 80		1.10	5.50	−26.09	0.73	0.74	0.82	0.90	0.93	+21	−29	−	5	+23	+22	−	3	+21	+25	+	0	+34									0	−0.40
82213	16 47 45.29	+10 26 58.2	9.80	G	251.938 691 76	+10.449 487 20		6.34	66.44	−71.04	1.09	0.94	1.34	1.21	1.04	+12	−23	−37	+43	+	3	+	1	+	7	+40	−18	−11									0	1.35
82214	16 47 46.26	+67 50 31.5	7.60	H	251.942 763 48	+67.842 084 83		4.44	−19.23	44.89	0.55	0.57	0.60	0.61	0.69	+	8	−16	−	7	+18	+11	−	2	+16	+24	−31	+	4									0	−0.87
82215	16 47 46.27	−29 56 22.2	8.90	H	251.942 807 80	−29.939 494 81		7.05	−36.69	−40.63	1.15	0.79	1.32	1.39	0.91	−11	−36	−	3	−	7	−	1	−14	+	6	−	6	−22	+	1							0	−1.35
82216	16 47 46.43	+05 14 48.6	5.22	1 H	251.943 463 42	+05.246 840 13		7.09	−21.75	−38.74	0.88	0.54	0.87	0.92	0.60	+19	−29	−29	+58	+	7	−	2	+10	+55	−20	−	3									0	−1.14
82217	16 47 46.54	−23 58 27.4	7.92	H	251.943 900 26	−23.974 265 60		3.94	−10.53	−20.08	0.95	0.65	1.04	1.12	0.77	−27	−33	−	6	+10	−	1	+14	+	4	+26	−18	−28									0	1.65
82218	16 47 47.35	−19 52 31.7	9.05	H	251.947 280 15	−19.875 475 15		7.85	−13.41	−27.44	1.30	0.82	1.40	1.74	1.32	−34	−28	+	2	−	1	−	5	−25	+16	+42	+10	−64									0	−0.40
82219	16 47 47.55	+20 12 18.7	7.60	H	251.948 128 54	+20.205 203 56		5.71	−18.37	19.44	0.67	0.57	0.90	0.68	0.65	+29	−26	−	1	+37	+41	+	7	+51	+15	−12	+56										0	0.80
82220 H	16 47 48.42	−33 11 16.6	9.42	H	251.951 755 69	−33.187 942 29	A	5.64	−27.36	−48.14	7.23	5.14	7.44	7.72	5.09	−	3	−15	−21	−	5	−	7	−37	−17	+	1	+	8	−25							2	2.90
82221	16 47 49.37	−45 23 25.1	7.22	H	251.955 718 60	−45.390 301 99		0.42	0.82	−3.71	1.02	1.01	1.57	1.33	1.06	+	4	−41	−66	+13	+32	−39	−	2	−16	+34	−61									3	0.35
82222	16 47 49.94	−80 21 46.4	8.18	H	251.958 079 97	−80.362 895 78		5.75	−9.74	−33.00	0.56	0.65	0.76	0.60	0.83	+	9	−21	+	2	+10	+	6	+	2	+	7	−	5	+14							0	0.77
82223	16 47 50.69	−59 53 57.4	8.75	H	251.961 212 58	−59.899 283 38		2.55	−9.52	−10.66	0.71	0.64	1.19	0.81	0.78	+10	−31	−19	+16	−	6	+14	+	1	+54	−13	+	2									0	−1.01
82224	16 47 50.87	−58 13 51.4	8.86	H	251.961 942 37	−58.230 954 89		2.79	−14.26	−30.00	0.79	0.68	1.35	0.96	0.82	+	2	−17	−17	+	6	−11	+17	−	7	+47	−16	−	1									0	0.66
82225	16 47 50.95	+06 36 13.1	9.22	H	251.962 303 09	+06.603 648 58		3.53	−0.60	5.92	1.37	0.84	1.35	1.78	1.02	−	6	−25	−10	+53	−	2	−15	+	5	+47	−27	+15									0	0.38
82226	16 47 52.45	+31 35 23.0	8.46	H	251.968 528 41	+31.589 724 77		4.48	9.10	−29.25	0.67	0.77	1.01	0.81	0.97	+15	−11	−32	+30	+13	−	4	+15	−	4	−	3	+16									4	0.26
82227	16 47 53.42	−40 58 21.8	8.19	H	251.972 577 60	−40.972 724 37		11.66	22.84	−111.15	0.98	0.76	1.19	1.11	0.81	−12	−31	−11	+	9	+	4	+28	+15	+	9	−21	−	5									0	1.60
82228	16 47 56.06	−28 57 25.5	7.73	G	251.983 600 50	−28.957 084 07		0.81	−2.93	−4.20	0.94	0.63	1.02	1.02	0.69	+	1	−32	−12	−	6	−16	−	3	−	9	+19	−14	−11									0	0.20
82229	16 47 57.63	−28 22 49.9	8.14	H	251.990 144 15	−28.380 525 83		5.52	13.61	−24.72	1.04	0.73	1.16	1.19	0.83	−	7	−23	−21	−	7	−19	−	1	−10	+23	−16	−28									0	0.11
82230	16 47 58.56	+01 12 47.8	8.39	H	251.993 996 28	+01.213 288 32		4.76	−18.66	7.98	1.04	0.70	1.14	1.21	0.82	+10	−13	+21	+50	+17	+20	+12	+63	+	9	+15										0	−0.28
82231	16 48 00.48	−68 32 39.6	8.83	H	252.001 992 35	−68.544 326 73		1.55	−4.35	−14.57	0.54	0.80	1.09	0.74	1.02	+	4	−	4	−19	−13	+	3	−11	+	1	−17	+13	−	6							0	1.59
82232	16 48 00.91	+57 29 21.5	7.06	H	252.003 793 76	+57.489 301 92		5.35	7.86	−12.26	0.52	0.52	0.54	0.59	0.60	+11	+	1	−	3	−	4	+22	−11	+21	+16	+	4	+12									0	3.27
82233	16 48 01.79	−15 57 49.4	7.43	H	252.007 475 76	−15.963 727 33		23.17	77.65	−92.99	0.98	0.77	0.99	1.17	1.02	−55	−25	+16	+36	−42	−15	−34	+65	+	3	−64										0	0.37
82234	16 48 02.91	+08 50 11.4	8.46	H	252.012 143 32	+08.836 512 42		1.16	7.68	−9.78	0.98	0.76	1.12	1.21	0.93	−	1	−21	−15	+48	−	9	−	8	−	4	+46	−26	−	6							0	0.51
82235	16 48 04.52	+25 32 50.4	8.15	G	252.018 847 72	+25.547 329 70		10.67	−19.27	44.69	0.46	0.67	0.92	0.57	0.81	+	9	−14	−11	−19	−	1	+	6	−	1	−13	+	2	+11							0	0.72
82236	16 48 04.70	+13 15 42.4	10.55	G	252.019 566 74	+13.261 773 72		0.90	−3.18	6.41	1.27	1.02	1.77	1.60	1.34	+31	−14	−15	+25	+26	+15	+30	+10	+13	+47										0	−0.47
82237	16 48 05.29	−53 04 29.3	8.38	H	252.022 026 51	−53.074 797 27		7.23	−51.54	−77.56	0.87	0.71	1.07	1.11	0.84	+11	−21	−24	+28	+17	+13	+23	+52	−19	+	1										0	0.12
82238	16 48 05.54	−45 56 41.5	6.69	H	252.023 075 35	−45.944 862 71		10.14	−0.91	−24.02	1.07	1.04	1.49	1.43	0.95	+	6	−31	−63	+	7	+50	−22	+33	−18	+20	−21										0	−1.18
82239	16 48 05.99	+11 07 56.4	7.42	H	252.024 968 63	+11.132 335 66		4.51	−16.36	34.94	0.62	0.60	0.87	0.79	0.73	−38	−	6	−17	+37	−33	+23	−30	+50	−16	−34										0	1.25
82240	16 48 06.77	+27 52 54.4	8.36	H	252.028 205 48	+27.881 788 12		7.81	−2.74	9.78	0.58	0.75	1.04	0.71	0.91	+11	−10	−26	−	8	+	1	−	3	−	2	−	6	−	2	−	5	1	−0.78
82241	16 48 08.87	+13 35 25.2	6.38	H	252.036 978 40	+13.590 337 75		4.80	12.73	−17.33	0.65	0.49	0.89	0.70	0.60	+37	−30	−17	+29	+32	+12	+36	+15	+	2	+42										0	0.32
82242	16 48 09.91	−79 39 55.1	9.07	2 H	252.041 298 73	−79.665 310 05	A	0.73	−5.26	−15.89	1.31	1.50	1.65	1.26	1.58	+13	−	9	+18	−	5	+	9	−	8	+13	+	8	−	9	+12						0	1.91
82243	16 48 11.56	+32 25 04.3	7.97	H	252.048 185 40	+32.417 853 87		4.01	−49.31	1.27	0.59	0.70	0.85	0.66	0.82	+12	−10	−11	+21	−	1	−	5	−	2	+11	−11	+	0							0	−0.58
82244	16 48 12.64	−20 56 50.7	8.69	H	252.052 656 79	−20.947 419 56		10.59	−28.40	−71.80	1.16	0.85	1.16	1.97	1.62	−47	−28	−	4	−	1	−32	+15	+	2	+57	−19	−80									2	−1.37
*82245	16 48 13.84	−24 31 35.8	7.08	G	252.057 653 85	−24.526 618 48		2.83	−10.64	−12.62	0.77	0.58	0.86	0.90	0.66	−21	−20	−14	+10	−11	−	7	−	8	+29	−13	−31									0	0.05
*82246	16 48 13.79	+50 01 25.8	8.79	H	252.057 461 66	+50.023 826 87		10.63	−26.22	53.06	0.68	0.71	0.76	0.78	0.85	+16	−10	−	2	+18	+17	−18	+16	+33	+17	+	9										0	0.50
*82247	16 48 13.79	+01 05 25.8	7.18	H	252.057 469 97	+01.090 503 61		6.12	−7.76	−17.67	0.83	0.55	0.91	0.88	0.66	−	5	−37	+	7	+43	+	1	+	8	+	0	+61	+	2	−	2						0	0.29
82248	16 48 16.09	+08 24 02.4	8.10	H	252.067 048 96	+08.400 666 88		2.75	−17.63	−10.86	1.09	0.71	1.07	1.16	0.81	+18	−21	−20	+67	+12	+	5	+15	+51	−20	+	4										0	1.30
82249	16 48 16.64	+57 48 49.4	7.45	3 H	252.069 347 13	+57.813 709 35		3.39	−9.72	0.48	0.67	0.64	0.70	0.76	0.81	+	4	−18	+10	+	9	+	9	+	0	+	5	+20	+15	+24							2	0.47
82250	16 48 16.92	−31 51 00.9	9.84	G	252.070 513 99	−31.850 258 20		8.79	−6.31	−24.09	1.84	1.39	2.18	2.15	1.52	+12	−34	−41	+25	−	7	+23	+	6	+17	−	3	+11									0	0.10
82251 H	16 48 20.17	+02 44 16.9	7.99	H	252.084 039 15	+02.738 018 57	B	7.67	37.83	−28.61	4.63	2.46	2.72	3.24	2.74	+21	−	4	−15	+29	−24	+	3	−12	+59	−21	−27									1	0.22
82252	16 48 22.27	+42 14 01.6	7.96	H	252.092 782 81	+42.233 788 94		3.83	−15.88	2.92	0.60	0.64	0.71	0.65	0.76	+10	−15	−13	+	0	−11	−	2	−11	+16	+	0	+	0							0	−0.78
82253	16 48 24.19	+17 07 59.5	7.37	2 H	252.100 796 45	+17.133 194 98		8.70	−15.88	14.27	0.58	0.53	0.93	0.75	0.77	+	3	−29	−16	+23	+11	−18	+17	+12	−21	+33										0	−1.31
82254	16 48 24.66	−31 12 13.0	6.82	H	252.102 742 73	−31.203 624 38		3.43	−3.38	−17.87	0.80	0.71	0.93	0.83	0.75	−22	−14	−32	+	7	−18	+	9	−13	+13	−20	−42										0	−0.56
82255	16 48 25.37	+55 23 23.7	7.86	H	252.105 711 68	+55.389 924 96		1.74	15.31	−30.39	0.59	0.55	0.65	0.63	0.63	−	3	−	3	−17	−10	−	6	+	2	−	6	−15	+18	−	9	1	1.56
82256	16 48 25.42	−72 58 29.3	11.36	G	252.105 933 51	−72.974 792 07		62.66	−480.82	−531.34	1.18	1.62	2.10	1.19	1.86	+21	−19	+	0	−	2	−	5	−	5	−	4	−10	−	5	+24	1	0.90
82257	16 48 25.48	+59 03 25.3	12.24	G	252.106 180 44	+59.057 018 64		91.13	139.33	−292.09	2.23	2.24	2.33	2.83	3.05	+	6	−11	+	7	+20	+	0	+	1	+	0	+14	+	4	+	6	3	−1.31
82258	16 48 25.76	+02 47 22.1	9.87	H	252.107 332 35	+02.789 469 62		−0.92	2.46	6.16	2.02	1.15	1.94	2.46	1.45	+17	−35	−14	+60	+	8	−	9	+13	+61	−18	+20									0	0.16
82259	16 48 26.99	−14 54 33.8	6.03	H	252.112 437 57	−14.909 399 87		7.30	−17.12	−8.79	1.56	1.03	1.79	2.31	1.42	−	7	−15	+	6	+	0	+	4	−30	+	8	+29	+	1	−15		0					
82260	16 48 28.38	−16 20 02.0	7.62	G	252.118 248 91	−16.333 879 62		27.35	−105.40	−270.62	0.94	0.71	0.98	1.05	0.92	−43	−30	+	6	+26	−38	−11	−26	+60	−	2	−61										0	0.99
82261	16 48 28.87	+16 59 15.3	9.22	H	252.120 294 54	+16.987 592 86		3.03	−6.24	13.72	0.85	0.75	1.41	1.19	1.13	+11	−19	−	9	+28	+27	−15	+34	+10	−14	+40										0	0.58
82262	16 48 30.43	−61 29 20.8	7.20	H	252.126 777 91	−61.489 109 17		4.44	−15.85	−2.86	0.59	0.54	0.87	0.77	0.68	+	8	−12	−	2	+13	−12	+19	−11	+47	+	8	+	6									0	0.06
82263	16 48 32.07	+26 35 58.3	7.85	H	252.133 621 27	+26.599 515 88		3.54	30.23	−7.94	0.49	0.62	0.86	0.61	0.83	+	7	−	8	−19	−17	+	4	−	7	+	5	+	4	−12	+	2						0	1.24
82264	16 48 32.20	−28 25 21.2	9.47	H	252.134 169 72	−28.422 562 68		0.51	−13.03	−7.23	1.25	0.87	1.38	1.60	1.02	−	2	−13	−15	−	1	−	3	−	4	−	1	+21	−11	−	8	0	1.78
82265	16 48 32.30	−19 17 12.9	8.08	G	252.134 588 93	−19.286 926 12		25.46	−98.93	−347.25	1.04	0.68	1.10	1.29	1.00	−27	−32	−	3	+14	−	3	−13	+12	+48	−	4	−49									2	1.16
82266	16 48 33.52	+21 23 25.4	8.34	H	252.139 659 73	+21.390 382 71	A	4.66	4.39	2.03	1.34	1.19	1.65	1.39	1.28	+17	−30	−14	+	8	+33	+	9	+33	+16	−	6	+43									1	1.32
82267	16 48 35.56	+37 00 51.3	8.40	H	252.148 157 79	+37.014 253 70		30.96	−59.24	−363.91	0.59	0.63	0.76	0.66	0.70	−	8	−	3	+	3	+10	+	1	−	8	+	1	+11	−14	−12							0	1.91
82268	16 48 35.94	+55 07 47.6	8.92	G	252.149 731 62	+55.129 889 14		14.98	142.26	−216.04	0.74	0.66	0.81	0.80	0.72	+	7	−	2	−10	−19	−11	+	7	−	9	−16	+21	−	7							1	−0.44
82269	16 48 36.01	−49 03 24.3	9.69	H	252.150 034 84	−49.056 742 21		6.88	−20.75	−16.37	1.45	1.14	1.70	1.69	1.23	−25	−28	+	4	+	9	+36	+	0	+30	+44	−29	−11									0	−0.40
82270	16 48 36.20	−63 50 57.7	8.63	H	252.150 836 53	−63.849 372 80		3.82	−1.06	−20.21	0.71	0.68	1.13	0.80	0.85	+22	−	5	+10	−34	−33	−	7	−33	−	2	+	4	+14									0	−0.13
82271	16 48 36.25	−21 56 27.9	9.00	H	252.151 025 21	−21.941 087 31		3.35	−0.67	−17.95	1.31	0.96	1.34	1.63	1.40	−42	−30	−	3	+26	−35	+12	−13	+68	−21	−64										0	1.66
82272	16 48 37.76	−37 15 06.1	7.39	G	252.157 334 55	−37.251 699 89		14.63	−24.39	−108.29	0.89	0.67	1.00	0.94	0.74	−	7	−34	−17	+18	−19	+	4	−11	+29	−17	−20									0	0.81
82273	16 48 39.87	−69 01 39.5	1.91	1 G	252.166 107 42	−69.027 635 03		7.85	17.85	−32.92	0.34	0.46	0.63	0.46	0.60	−	2	−11	−24	+	3	+	3	−	2	−	1	−18	+25	−	7	0	0.60
82274	16 48 40.35	−01 52 09.9	9.36	G	252.168 142 65	−01.869 424 40		5.13	−2.76	0.24	1.43	0.89	1.45	1.56	1.04	−	2	−40	+	2	+56	−	4	−18	−	1	+66	−	8	+	4	0	0.07
82275 H	16 48 41.48	+35 55 19.3	7.21	G	252.172 840 11	+35.922 040 26	A	5.91	−20.89	3.93	0.69	0.80	0.88	0.69	0.85	+17	−	6	−	8	+17	+	3	−10	+	3	+10	−16	−	6	2	−0.05
82276	16 48 42.73	+18 19 07.9	7.59	H	252.178 030 63	+18.318 871 32		9.25	−2.29	22.72	0.64	0.55	0.95	0.98	0.79	+	4	−21	−11	+21	+	4	−33	+	9	+17	−39	+42									0	−1.49
82277 H	16 48 42.81	−55 26 01.6	8.17	G	252.178 377 26	−55.433 764 01	*	−0.13	−4.93	−17.29	1.32	0.97	1.33	1.02	0.92	+29	−27	−26	+20	+25	−	2	+34	+23	−21	+21									1	0.32
82278	16 48 43.11	+47 47 53.9	8.40	H	252.179 644 47	+47.798 318 50		5.92	−14.25	20.78	0.63	0.65	0.70	0.72	0.79	+	7	+10	+	5	+18	+	3	+	7	+	6	+33	+12	−	6	0	0.92
82279	16 48 43.17	−38 04 26.3	7.89	H	252.179 881 41	−38.073 977 51		7.13	−26.06	−48.18	0.98	0.80	1.07	1.04	0.93	−17	−22	−	4	+	6	−33	−	3	−27	+	7	−22	−24			0	1.19
82280	16 48 43.26	−67 04 59.7	6.90	H	252.180 242 61	−67.083 244 32		3.40	3.35	9.35	0.49	0.56	0.75	0.53	0.60	+	5	−13	−15	−	4	−20	−	5	−21	−	6	−	1	−10		0	−0.37				
82281	16 48 43.31	+88 09 22.3	8.12	G	252.180 439 20	+88.156 205 61		2.32	−2.36	13.61	0.56	0.62	0.67	0.71	0.79	−	1	+16	−19	−	3	−	9	−	3	−11	+23	−17	+	0	0	0.09					
82282	16 48 45.85	+06 42 59.8	8.51	H	252.191 045 16	+06.716 614 24		4.36	−5.90	7.85	1.12	0.73	1.17	1.52	0.89	−11	−21	−	7	+39	−	8	−	6	−	3	+34	−17	+	6	0	1.85					
82283	16 48 45.96	−15 44 18.2	10.89	G	252.191 519 85	−15.738 397 31		55.09	−8.64	−223.04	2.06	1.47	2.22	2.53	1.97	−15	−	8	−	1	+21	−	6	−22	+	2	+50	+14	−38	0	−1.18					
82284	16 48 49.42	−46 24 03.1	7.88	G	252.205 937 03	−46.400 872 03		18.62	−70.64	−81.11	1.41	1.04	2.02	5.13	2.52	+45	−35	−39	+20	+15	+62	+43	+29	+29	+75	0	1.74									
82285	16 48 49.90	−52 28 15.5	8.59	H	252.207 930 50	−52.470 967 79		1.16	−5.12	5.25	1.01	0.82	1.20	1.23	0.92	−	6	−24	−14	+23	+20	+	6	+21	+45	−28	+	3	0	−0.42						
82286	16 48 49.95	−39 46 16.7	9.77	G	252.208 132 96	−39.771 299 49		−0.02	−9.31	−1.75	1.59	1.12	1.78	1.36	1.21	−	1	−54	−	9	−16	+	6	+	5	+14	−26	−19	−22	0	0.83						
82287	16 48 50.03	−31 54 25.1	9.21	H	252.208 471 11	−31.906 972 42		6.27	−5.00	−13.63	1.31	1.06	1.54	1.52	1.16	−	1	−26	−35	+16	−14	+22	−	5	+12	−	3	−	4	0	1.25						
82288	16 48 51.23	+59 30 58.2	8.95	H	252.213 445 43	+59.516 164 92		3.09	−1.23	9.25	0.95	0.90	0.97	1.26	1.18	+	7	−	9	+	2	+	8	+	1	−	4	+	1	+14	+	7	+	5	0	0.40
82289	16 48 51.43	−04 30 55.7	7.11	H	252.214 285 19	−04.515 463 77		14.67	4.94	−84.39	0.85	0.67	1.07	0.84	0.78	−21	−42	−23	+40	−43	−	8	−24	+78	−29	−42										0	0.47
82290	16 48 51.95	−61 07 46.0	9.59	H	252.216 469 96	−61.129 436 42	A	0.44	−4.02	−8.60	1.68	1.48	2.19	1.96	1.61	−	2	−18	−15	+33	−32	+19	−24	+56	−11	−15										2	1.42
82291	16 48 52.52	+59 30 12.0	7.65	H	252.218 820 71	+59.503 331 68		4.85	−4.63	10.35	0.68	0.62	0.68	0.84	0.79	+	8	−	7	+	2	−	2	+	3	+	3	+	2	+13	+	5

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
82201	8.324	0.012	7.848	0.012		0.451	0.015	G	0.52	0.02	H	7.8831	0.0012	0.011	51		7.86	7.91					1							S
82202	10.058	0.021	8.675	0.012		1.170	0.019	T	1.13	0.02	L	8.7172	0.0020	0.020	148		8.69	8.75		C			1							
82203	7.124	0.005	7.166	0.007		−0.034	0.008	T	−0.01	0.01	L	7.1778	0.0010	0.010	126		7.16	7.20		C			1							S
82204	8.459	0.011	6.952	0.006		1.267	0.010	T	1.23	0.01	L	6.9862	0.0009	0.009	117		6.97	7.00		C			1							S
82205	10.703	0.058	10.017	0.052		0.634	0.064	T	0.70	0.06	L	10.0212	0.0044	0.032	68		9.96	10.08					1							G
82206	12.251	0.169	10.791	0.068		1.230	0.143	T	1.19	0.14	L	10.7487	0.0041	0.038	127		10.68	10.82		R			1							G
82207	12.273	0.179	10.396	0.048		1.593	0.153	T	2.04	0.23	K	10.2427	0.0048	0.045	133		10.18	10.31		U 2			1							G
82208	9.493	0.020	8.974	0.020		0.497	0.021	T	0.57	0.02	L	9.0480	0.0023	0.017	95		9.02	9.08		C			1							
82209	10.490	0.029	8.628	0.012		1.548	0.025	T	1.61	0.05	L	8.5672	0.0015	0.016	137		8.54	8.59					1							
82210	9.225	0.016	8.481	0.013		0.666	0.015	G	0.73	0.01	H	8.5526	0.0025	0.017	107		8.52	8.58					1							S
82211	11.031	0.071	9.889	0.041		0.982	0.064	T	1.03	0.06	L	10.0478	0.0031	0.026	61		10.00	10.09		C			1							G
82212	10.592	0.034	8.689	0.013		1.580	0.029	T	1.60	0.03	L	8.6276	0.0027	0.024	109		8.58	8.66		U			1							
82213	10.483	0.040	9.830	0.037		0.610	0.020	G	0.68	0.02	H	9.9256	0.0025	0.021	85		9.88	9.96		C			1							
82214	9.025	0.012	7.724	0.008		1.106	0.011	T	1.07	0.01	L	7.7708	0.0012	0.011	117		7.75	7.79		C			1							S
82215	9.571	0.023	8.958	0.022		0.569	0.024	T	0.64	0.02	L	9.0225	0.0019	0.015	51		9.01	9.05		C			1							
82216	5.213	0.003	5.219	0.003		−0.001	0.004	T	0.02	0.00	L	5.2240	0.0016	0.008	84		5.21	5.23		M	16478+0515	I 1	1							S P
82217	8.375	0.015	7.983	0.016		0.401	0.005	G	0.47	0.01	H	8.0149	0.0013	0.009	56		8.00	8.03		C			1							S
82218	9.591	0.021	9.118	0.021		0.485	0.020	G	0.56	0.02	H	9.1520	0.0014	0.011	92		9.14	9.18					1							
82219	8.858	0.012	7.714	0.008		0.983	0.011	T	0.96	0.01	L	7.7692	0.0011	0.011	139		7.75	7.79		C			1							S
82220	10.624	0.062	9.853	0.051	A	0.700	0.495	G	0.93	0.07	B *	9.5787	0.0053	0.032	53	*	9.55	9.63		R	16478−3311	I 1	2 C	A	AB	334	1.895	0.006	0.35	0.03	G
82221	7.263	0.012	7.237	0.014		0.029	0.017	T	0.05	0.01	L	7.2392	0.0019	0.009	32		7.22	7.26					1							S
82222	8.744	0.010	8.235	0.010		0.478	0.013	T	0.55	0.01	L	8.2893	0.0020	0.018	134		8.26	8.32					1							S
82223	9.979	0.018	8.847	0.012		0.974	0.017	T	0.96	0.01	L	8.9132	0.0016	0.021	199		8.88	8.95					1							
82224	10.398	0.038	8.997	0.020		1.184	0.034	T	1.14	0.03	L	9.0303	0.0019	0.020	175		9.00	9.06					1							
82225	9.268	0.020	9.183	0.024		0.072	0.015	G	0.06	0.01	L	9.2440	0.0023	0.023	68		9.20	9.27		C			1							
82226	9.937	0.020	8.595	0.012		1.138	0.018	T	1.10	0.02	L	8.6250	0.0020	0.018	124		8.60	8.66					1							
82227	8.773	0.023	8.248	0.023		0.470	0.015	G	0.54	0.02	H	8.2996	0.0026	0.017	47		8.27	8.32			16479−4058	I 1	1							
82228	8.707	0.013	7.828	0.011		0.784	0.013	T	0.82	0.01	L	7.8498	0.0019	0.009	58		7.84	7.88					1							
82229	8.603	0.013	8.173	0.013		0.417	0.015	G	0.48	0.02	H	8.2306	0.0014	0.013	66		8.20	8.25		C			1							
82230	8.763	0.012	8.437	0.013		0.309	0.017	T	0.35	0.02	L	8.4684	0.0018	0.012	91		8.45	8.49		C			1							S
82231	8.874	0.010	8.794	0.013		0.072	0.015	T	0.08	0.02	L	8.8637	0.0015	0.020	188		8.83	8.90					1							
82232	8.262	0.012	7.160	0.008		0.951	0.011	T	0.94	0.01	L	7.2256	0.0013	0.011	108		7.21	7.24		C			1							S
82233	8.100	0.008	7.481	0.007		0.566	0.004	G	0.64	0.00	H	7.5488	0.0009	0.007	79		7.53	7.57					1							S
82234	10.000	0.028	8.576	0.015		1.202	0.025	T	1.16	0.03	L	8.6209	0.0015	0.017	80		8.60	8.65		C			1							
82235	8.646	0.008	8.192	0.008		0.414	0.020	G	0.48	0.02	H	8.2449	0.0013	0.014	204		8.22	8.28		C			1							S
82236	10.257	0.026	10.487	0.047		−0.174	0.010	G	−0.18	0.01	H	10.5049	0.0036	0.034	127		10.44	10.55					1							G
82237	8.971	0.015	8.446	0.014		0.502	0.015	T	0.57	0.02	L	8.4937	0.0012	0.011	96		8.47	8.51					1							
82238	7.123	0.009	6.724	0.009		0.377	0.015	G	0.44	0.02	H	6.7766	0.0015	0.006	36		6.76	6.78					1							S
82239	8.643	0.011	7.533	0.007		0.957	0.010	T	0.94	0.01	L	7.5803	0.0013	0.010	111		7.56	7.60					1							S
82240	8.690	0.009	8.391	0.009		0.291	0.015	G	0.33	0.02	H	8.4344	0.0014	0.017	165		8.41	8.46					1							S
82241	7.488	0.005	6.479	0.004		0.877	0.001	G	0.89	0.00	H	6.5355	0.0007	0.007	128		6.52	6.55		C			1							S
82242	9.332	0.014	9.101	0.016	A	0.220	0.020	T	0.24	0.02	L	9.1389	0.0124	0.037	142	A	9.09	9.22		U 2	16481−7940	I 1	2 C	A	AB	233	14.543	0.030	2.45	0.12	
82243	9.312	0.015	8.090	0.009		1.044	0.014	T	1.01	0.01	L	8.1370	0.0019	0.016	128		8.10	8.16					1							S
82244	9.338	0.013	8.751	0.012		0.549	0.013	T	0.62	0.01	L	8.8140	0.0018	0.015	119		8.79	8.84		C			1							
82245	9.353	0.026	7.302	0.011		1.695	0.005	G	1.78	0.05	F	7.1659	0.0021	0.013	53		7.15	7.19			16482−2432	I 1	1							S
82246	9.460	0.016	8.841	0.014		0.576	0.019	T	0.65	0.02	L	8.9178	0.0015	0.013	112		8.89	8.94		C			1							
82247	7.475	0.007	7.199	0.007		0.263	0.009	T	0.30	0.01	L	7.2510	0.0004	0.008	93		7.24	7.27		D			1							S
82248	9.388	0.020	8.222	0.013		1.000	0.019	T	0.98	0.01	L	8.2707	0.0020	0.012	76		8.25	8.30		C			1							S
82249	9.239	0.017	7.682	0.009		1.329	0.016	T	3.31	0.16	O	7.2273	0.0600	0.310	79		6.52	7.74	188.40	P 1 B			1	S						S P
82250	10.652	0.075	10.058	0.067		0.569	0.020	G	0.64	0.02	H	9.9845	0.0035	0.027	47		9.92	10.03		D			1							G
82251	9.142	0.019	8.347	0.016	*	0.721	0.019	T	0.77	0.01	L *	8.1353	0.0019	0.011	71	*	8.12	8.15		D	16483+0244	I 1	2 C	A	BA	56	1.346	0.008	0.02	0.02	S
82252	9.428	0.016	8.094	0.010		1.132	0.015	T	1.10	0.02	L	8.1248	0.0015	0.015	121		8.10	8.15		C			1							S
82253	7.681	0.007	7.390	0.008		0.277	0.010	T	0.31	0.01	L	7.4445	0.0055	0.042	133		7.38	7.52	0.57	P 1 A			1							S
82254	6.747	0.006	6.812	0.009		−0.041	0.001	G	−0.02	0.00	H	6.8106	0.0013	0.007	47		6.80	6.82		C			1							S
82255	9.502	0.016	7.982	0.009		1.278	0.014	T	1.24	0.01	L	8.0164	0.0017	0.013	125		7.99	8.04					1							S
82256						1.600	0.015	G	2.09	0.02	A	11.3802	0.0048	0.055	192		11.27	11.46					1							G
82257						0.160	0.015	G	0.18	0.01	H	12.3862	0.0094	0.073	91		12.25	12.56					1							G
82258	11.569	0.099	10.088	0.045		1.247	0.085	T	1.21	0.08	L	10.0319	0.0028	0.023	73		9.99	10.07		C			1							
82259	6.263	0.003	6.062	0.005		0.192	0.005	T	0.21	0.01	L	6.0880	0.0005	0.006	62		6.08	6.10		D			1 X							S
82260	8.600	0.011	7.701	0.008		0.767	0.002	G	0.81	0.00	H	7.7737	0.0012	0.010	81		7.75	7.79		C			1							S
82261	9.581	0.017	9.213	0.018		0.349	0.023	T	0.41	0.03	L	9.3061	0.0024	0.023	126		9.27	9.34					1							
82262	8.666	0.010	7.340	0.006		1.125	0.009	T	1.09	0.01	L	7.3668	0.0010	0.012	151		7.35	7.39					1							S
82263	9.305	0.012	7.966	0.007		1.136	0.011	T	1.10	0.01	L	8.0173	0.0009	0.014	170		7.99	8.04		C			1							S
82264	11.014	0.080	9.597	0.037		1.197	0.069	T	1.16	0.07	L	9.6412	0.0028	0.017	59		9.60	9.67		C			1	S						
82265	9.060	0.014	8.143	0.011		0.772	0.010	G	0.81	0.01	H	8.2212	0.0015	0.014	100		8.20	8.25		C			1							
82266	9.459	0.015	8.426	0.011	A	0.899	0.014	T	0.90	0.01	L	8.4994	0.0095	0.022	134	A	8.45	8.54			16486+2123	I 1	2 C	A	AB	275	13.753	0.031	2.79	0.13	
82267	9.429	0.015	8.481	0.011		0.821	0.007	G	0.86	0.01	H	8.5387	0.0018	0.016	142		8.51	8.57		C			1							
82268	9.777	0.019	9.004	0.016		0.699	0.017	G	0.76	0.01	H	9.0452	0.0024	0.021	120		9.01	9.09			16486+5508	I 1	1	S						
82269	10.318	0.029	9.717	0.027		0.560	0.029	T	0.63	0.03	L	9.8148	0.0030	0.023	116		9.77	9.85					1	S						G
82270	8.739	0.010	8.654	0.012		0.077	0.014	T	0.09	0.01	L	8.6645	0.0016	0.017	142		8.63	8.70					1							
82271	9.243	0.014	9.039	0.017		0.188	0.021	T	0.21	0.02	L	9.0618	0.0021	0.016	99		9.03	9.09		C			1							
82272	7.932	0.013	7.449	0.009		0.475	0.015	G	0.55	0.02	H	7.4992	0.0012	0.010	56		7.49	7.52		C			1							S
82273	3.816	0.002	2.081	0.002		1.447	0.002	T	1.45	0.00	L	2.0711	0.0006	0.005	129		2.06	2.08		M			1							S
82274	9.775	0.026	9.376	0.028		0.380	0.020	G	0.44	0.02	H	9.4444	0.0022	0.020	89		9.41	9.47					1							
82275	7.619	0.009	7.215	0.008	*	0.379	0.001	G	0.44	0.00	H *	7.3228	0.0018	0.014	135	*	7.30	7.35		D	16487+3555	I 1	2 C	A	AB	18	5.697	0.005	1.51	0.02	S
82276	8.255	0.009	7.664	0.008		0.558	0.015	G	0.63	0.01	H	7.7158	0.0012	0.011	120		7.70	7.74					1							S
82277	10.089	0.027	8.318	0.012	*	1.441	0.015	G	1.44	0.02	H *	8.2851	0.0019	0.015	103	*	8.26	8.31			16487−5526	I 1	2 C	B	AC	232	0.222	0.040	2.81	0.41	
82278	8.704	0.010	8.429	0.011		0.291	0.012	G	0.33	0.02	H	8.4796	0.0018	0.015	122		8.45	8.51					1							S
82279	9.511	0.025	8.010	0.014		1.263	0.023	T	1.22	0.02	L	8.0459	0.0014	0.014	55		8.03	8.07		C			1							
82280	8.964	0.019	7.080	0.009		1.560	0.015	G	1.57	0.09	H	7.0174	0.0012	0.012	153		7.00	7.04					1							S
82281	8.656	0.011	8.165	0.010		0.475	0.015	G	0.55	0.02	H	8.2246	0.0013	0.011	117		8.21	8.25		C			1							S
82282	10.358	0.037	8.658	0.017		1.419	0.032	T	1.40	0.05	L	8.6487	0.0025	0.014	72		8.62	8.68					1							
82283	12.291	0.251	11.024	0.116		1.468	0.009	G	1.89	0.04	I	10.9580	0.0053	0.032	77		10.90	11.02		C			1							G
82284	8.514	0.018	7.942	0.017		0.569	0.015	G	0.64	0.01	H	7.9949	0.0016	0.012	44		7.98	8.02					1 G							S
82285	10.564	0.046	8.744	0.018		1.514	0.039	T	1.55	0.06	L	8.7159	0.0014	0.014	78		8.69	8.74		D			1							
82286	9.943	0.036	9.822	0.048		0.186	0.006	G	0.20	0.01	H	9.8252	0.0026	0.021	50		9.78	9.86		C			1							G
82287	10.026	0.046	9.296	0.039		0.655	0.046	T	0.72	0.04	L	9.3491	0.0031	0.020	48		9.32	9.38		C			1							
82288	9.435	0.017	8.950	0.017		0.456	0.022	T	0.53	0.02	L	9.0492	0.0026	0.019	105		9.02	9.08			16489+5930	I 2	1							S
82289	8.046	0.008	7.194	0.006		0.764	0.008	T	0.80	0.01	L	7.2535	0.0011	0.009	111		7.24	7.27					1							S
82290	9.656	0.015	9.580	0.020	A	0.075	0.023	T	0.09	0.03	L	9.6226	0.0070	0.027	155	A	9.58	9.68			16489−6108	H 1	2 C	A	AB	221	11.318	0.014	1.90	0.04	G
82291	8.946	0.013	7.763	0.009		1.014	0.012	T	0.99	0.01	L	7.8174	0.0015	0.013	103		7.79	7.84		C	16489+5930	I 2	1							S
82292	6.759	0.004	6.746	0.007		0.017	0.007	T	0.04	0.01	L	6.7590	0.0008	0.009	81		6.74	6.78					1							S
82293											T	11.4730	0.0059	0.057	97		11.35	11.54					1							G
82294	10.218	0.032	8.964	0.019		1.069	0.029	T	1.03	0.02	L	8.9988	0.0020	0.015	80		8.96	9.03		C			1							
82295	10.334	0.022	9.118	0.013		1.039	0.020	T	1.01	0.02	L	9.1668	0.0019	0.023	200		9.13	9.20		C			1							
82296	7.643	0.005	7.595	0.007		0.043	0.008	T	0.06	0.01	L	7.6067	0.0009	0.010	153		7.59	7.63					1							S
82297	9.404	0.016	8.900	0.016		0.474	0.021	T	0.55	0.02	L	8.9775	0.0023	0.018	104		8.94	9.01					1							
82298	8.953	0.016	8.544	0.016		0.435	0.015	G	0.50	0.02	H	8.5815	0.0022	0.013	60		8.56	8.61		C			1							
82299	9.205	0.021	8.793	0.022		0.408	0.015	G	0.47	0.02	H	8.8521	0.0030	0.018	54		8.83	8.89			16490−3344	I 1	1							
82300	11.231	0.122	9.656	0.052		1.321	0.104	T	1.28	0.12	L	9.5881	0.0019	0.014	42		9.56	9.62		D			1							G

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr												%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
82301	16 48 58.64	−04 59 06.6	9.18	H	252.244 326 83	−04.985 175 25		2.85	11.53	−32.46	1.41	1.01	1.71	1.35	1.19	−22	−53	−15	+46	−40	−13	−22	+80	−22	−36	0	0.66
82302	16 48 59.45	−47 43 07.3	7.38	G	252.247 705 43	−47.718 691 47		15.67	−94.20	−32.17	0.81	0.62	0.94	0.94	0.69	−10	−12	−8	+28	+18	+7	+17	+52	−26	−7	2	0.30
82303	16 48 59.82	−08 55 47.7	7.96	H	252.249 242 26	−08.929 918 10		16.08	−37.33	−39.39	1.00	0.72	1.11	1.28	0.96	−37	−21	−22	+15	−14	+16	−3	+36	−29	−53	2	1.61
82304	16 49 00.39	+12 52 55.1	7.35	1 H	252.251 626 12	+12.881 968 27		1.35	−8.97	−5.84	0.60	0.53	0.91	0.73	0.67	+17	−24	−13	+18	+24	+0	+29	−5	+0	+40	0	0.91
82305	16 49 00.93	+34 04 18.0	7.96	G	252.253 865 09	+34.071 666 12		10.52	−12.17	45.28	0.53	0.61	0.72	0.55	0.65	+10	−18	−14	+5	+6	−5	+8	+13	−15	+0	0	−0.11
*82306	16 49 01.45	−20 27 21.5	8.65	2 H	252.256 059 41	−20.455 983 36		1.44	−1.07	−5.90	1.16	0.87	1.15	1.86	1.45	−33	−4	+7	+25	−18	+15	−1	+62	+5	−60	0	−0.50
*82307	16 49 01.37	−19 36 26.8	9.56	H	252.255 701 13	−19.607 449 08	B	10.28	18.05	−103.05	10.41	6.55	4.04	9.15	6.67	−27	−8	+11	+1	−2	−18	+15	+44	+9	−49	2	−0.81
82308	16 49 02.00	+41 39 47.8	7.51	H	252.258 314 36	+41.663 282 52		8.26	−12.60	29.31	0.55	0.53	0.64	0.66	0.65	+10	+5	−4	+4	−4	+3	−4	+8	−1	+14	0	−2.67
82309	16 49 03.96	−29 56 45.2	9.02	H	252.266 492 54	−29.945 893 19		3.52	−11.51	−16.38	1.24	0.82	1.36	1.33	0.92	+4	−26	−5	−13	−15	−11	−9	+3	−19	−2	0	−1.20
82310	16 49 04.23	+34 57 22.4	6.92	H	252.267 639 99	+34.956 235 07		4.94	−6.90	26.70	0.45	0.52	0.62	0.49	0.54	+7	−15	−13	+12	+17	−17	+17	+10	−11	+9	1	−1.29
82311	16 49 04.30	−36 30 55.9	9.04	H	252.267 924 59	−36.515 541 21		9.04	1.15	−18.27	1.15	0.86	1.30	1.32	1.03	−1	−39	−18	−2	−2	+2	+3	+2	−11	−14	0	0.46
82312	16 49 05.41	+48 14 07.4	7.48	H	252.272 555 84	+48.235 379 80		10.03	−5.93	40.27	0.52	0.50	0.58	0.58	0.58	+5	−6	+1	+7	+8	−18	+10	+17	+1	−3	0	−0.73
*82313	16 49 05.50	+25 17 49.5	10.31	H	252.272 912 94	+25.297 085 30		−0.39	−16.01	−1.15	1.60	2.36	3.18	2.13	2.82	+7	−15	−11	−22	+3	+2	+1	−8	+1	+13	2	
*82314	16 49 05.42	−56 28 00.1	8.91	H	252.272 587 42	−56.466 694 28		1.63	0.14	−2.54	0.94	0.88	1.54	1.11	0.95	+16	−21	−49	+12	+11	−8	+16	+34	−32	−6	0	0.73
82315	16 49 08.12	−27 34 15.1	8.88	H	252.283 846 54	−27.570 851 88		0.08	−9.22	24.26	1.19	0.87	1.39	1.65	1.10	−12	−20	−35	−9	+16	−18	+8	−7	+19	−41	0	2.11
82316	16 49 09.60	+12 54 32.9	6.64	H	252.289 993 91	+12.909 129 58		8.34	7.52	4.93	0.56	0.47	0.82	0.68	0.58	+20	−28	−16	+24	+13	−1	+22	−4	−13	+37	1	0.60
82317	16 49 11.14	−30 46 51.2	8.93	H	252.296 413 44	−30.780 875 60		1.37	−1.54	−3.02	1.21	0.92	1.35	1.22	1.05	−14	−25	−2	−17	+7	+3	+11	−21	−22	−33	0	−2.08
82318	16 49 11.33	−74 28 06.1	12.53	H	252.297 203 89	−74.468 358 98		−5.32	−10.79	2.21	2.43	3.11	4.13	3.08	4.05	+9	−15	+3	−2	−1	+3	+0	+25	+1	+5	0	2.33
82319	16 49 12.22	−22 42 41.5	8.89	2 H	252.300 920 49	−22.711 524 17	A	6.02	−3.24	−22.61	1.91	1.37	1.87	2.39	1.63	−6	−20	−4	+21	−5	−10	−3	+51	+13	−23	4	−0.01
82320	16 49 12.99	+19 17 39.0	8.17	H	252.304 135 61	+19.294 157 82		6.56	−78.29	12.08	0.78	0.65	1.02	0.90	0.77	+33	−21	−9	+26	+28	−5	+34	+11	−12	+57	0	−0.45
82321 H	16 49 14.20	+45 59 00.4	4.82	G	252.309 163 80	+45.983 447 80	A	18.62	22.78	−51.37	0.51	0.51	0.53	0.51	0.54	+11	−12	−4	+5	+11	−2	+7	+20	+8	+17	1	−0.32
82322	16 49 14.81	−69 31 58.6	9.11	2 H	252.311 697 80	−69.532 947 48		1.09	4.85	−23.51	0.64	0.99	1.39	0.63	1.22	+23	−19	−23	−4	+0	−5	−7	−8	+25	+30	1	0.79
82323	16 49 15.31	−14 22 08.4	11.25	2 H	252.313 783 69	−14.369 009 13		10.51	−4.00	−22.16	2.60	1.61	2.77	3.71	2.16	−17	−10	+6	+11	+18	−10	+17	+26	−6	−10	2	−0.12
82324	16 49 15.32	+29 57 52.3	6.59	G	252.313 831 01	+29.964 520 23		3.40	−62.64	78.02	0.43	0.52	0.70	0.48	0.64	+8	−3	−20	+7	+8	−25	−3	+12	+4	+0	0	2.24
82325	16 49 15.90	+60 08 10.8	8.08	G	252.316 265 49	+60.136 323 01		11.41	−10.86	−5.76	0.65	0.60	0.65	0.75	0.70	−11	−6	−11	−9	−5	+4	−6	+4	+2	−6	3	−1.11
82326	16 49 15.91	−29 07 20.0	8.13	H	252.316 298 31	−29.122 230 32		2.81	−7.51	−10.00	1.12	0.72	1.23	1.40	0.87	+17	−43	−29	+17	−10	−2	+2	+29	−27	+20	0	1.63
82327 H	16 49 18.53	−09 03 45.3	9.24	G	252.327 216 62	−09.062 572 14	*	6.50	−4.63	−1.00	3.45	2.15	2.38	2.34	1.90	−21	−11	−27	+20	−23	+4	−12	+44	−44	−37	1	0.07
82328	16 49 19.49	−25 33 27.9	9.16	G	252.331 198 42	−25.557 739 91		1.70	5.54	12.88	1.26	0.86	1.44	1.28	0.96	+0	−34	−29	−2	−18	−13	−15	+17	−9	−32	0	1.31
82329	16 49 20.81	−00 04 40.7	8.04	2 H	252.336 706 01	−00.077 974 24		3.46	2.15	−21.11	1.08	0.68	1.15	1.10	0.79	−1	−40	+0	+53	−2	−3	+1	+67	−8	−1	0	0.70
82330	16 49 22.05	−27 34 24.5	9.67	G	252.341 867 99	−27.573 482 08		7.27	−39.44	−32.64	1.57	1.19	1.84	2.13	1.42	−27	−9	−34	−12	+26	−27	+17	−9	+21	−50	0	0.92
82331	16 49 22.39	−16 46 19.6	8.43	H	252.343 279 75	−16.772 098 45		7.35	−26.35	7.03	1.10	0.79	1.21	1.39	1.06	−21	−14	−1	+22	−32	−25	−20	+65	−1	−44	2	−0.20
82332	16 49 23.41	+52 55 00.7	7.09	H	252.347 530 31	+52.916 872 14		3.21	−18.62	−6.61	0.51	0.50	0.56	0.54	0.60	−4	+8	−8	−1	+4	−4	+5	+1	+6	−20	0	−0.79
82333	16 49 24.62	+39 16 36.9	9.67	H	252.352 602 60	+39.276 915 08		44.16	97.85	−278.36	0.93	0.97	1.15	1.29	1.32	+9	−16	−16	+21	−3	+8	−1	+17	−9	−6	1	0.56
82334	16 49 25.62	+00 53 26.3	7.38	H	252.356 766 32	+00.890 632 82		11.48	31.86	−42.91	0.91	0.60	1.03	0.89	0.71	−13	−46	+6	+37	−3	−8	−1	+57	+0	−11	0	1.36
82335	16 49 26.48	−49 59 08.7	7.76	1 G	252.360 334 65	−49.985 743 90		4.39	−6.24	−15.94	0.89	0.66	1.14	1.17	0.78	−46	+11	−33	−23	+21	−29	+15	+35	−25	−46	4	0.48
82336	16 49 27.05	+67 35 47.6	7.90	H	252.362 700 80	+67.596 557 39		3.12	5.67	4.64	0.56	0.59	0.61	0.67	0.81	+7	−4	−8	+1	−2	+10	+1	+23	−26	−2	0	−1.36
*82337	16 49 27.36	+11 52 55.4	8.28	1 H	252.363 988 80	+11.882 056 03		3.02	6.38	−25.28	0.65	0.57	1.07	0.91	0.81	−11	−4	+4	+5	+2	+14	+0	+7	+11	+23	2	−0.74
*82338	16 49 27.29	−48 27 08.5	9.06	H	252.363 696 88	−48.452 353 55		3.87	−3.56	−9.67	1.06	0.86	1.22	1.20	0.96	−14	−18	+5	+36	+14	+19	+13	+64	−24	−11	0	−0.28
82339	16 49 27.67	−15 40 04.8	6.18	3 T	252.365 289 42	−15.668 000 77		13.47	1.04	12.77	0.76	0.56	0.83	1.01	0.84	−29	−15	+9	+13	−20	−20	−4	+49	+10	−59	0	0.32
82340	16 49 28.32	−54 26 47.9	8.56	H	252.368 003 05	−54.446 629 53		3.56	−6.47	−15.79	1.09	0.89	1.40	1.34	1.10	+22	−34	−33	+29	+19	−10	+23	+50	−13	+3	0	0.97
82341	16 49 28.47	+17 12 38.2	9.65	H	252.368 638 48	+17.210 612 50		6.59	−6.13	15.81	0.95	0.82	1.47	1.21	1.16	+4	−32	−4	+33	+10	−19	+25	+9	−33	+39	1	−0.51
82342	16 49 30.09	+05 21 54.4	8.14	H	252.375 357 25	+05.365 107 34		2.43	−5.40	−14.92	1.26	0.70	1.09	1.28	0.77	+28	−31	−9	+71	+26	−3	+27	+55	−16	+16	0	1.39
82343	16 49 30.84	+40 27 33.2	8.96	H	252.378 500 79	+40.459 214 16		6.27	8.28	−22.78	0.69	0.79	0.89	0.73	0.93	+4	+2	−17	−15	−4	−21	−2	+20	+5	−13	1	−0.55
82344	16 49 31.23	+47 06 28.8	9.47	2 G	252.380 140 86	+47.107 991 07		2.39	7.46	5.15	0.87	0.83	0.97	0.94	0.95	+14	−19	−10	+2	+15	−10	+13	+12	+10	+8	1	1.86
82345	16 49 31.78	+75 22 45.1	7.53	G	252.382 399 53	+75.379 185 20		4.44	−29.26	49.84	0.54	0.58	0.59	0.51	0.65	−6	−16	+6	−16	+12	−16	+15	+1	+2	−6	0	−0.64
82346	16 49 31.97	+26 02 05.6	8.36	1 H	252.383 194 05	+26.034 895 07		2.43	22.56	−10.68	0.53	0.67	0.96	0.61	0.79	+5	−13	−25	−19	+0	−5	+1	+12	−3	−2	0	0.76
82347	16 49 33.25	−31 39 04.9	6.81	H	252.388 526 42	−31.651 349 90		4.91	−24.97	−10.18	0.87	0.71	0.98	1.08	0.80	−24	−5	−24	+27	+1	+18	+10	+3	−11	−9	0	0.83
82348	16 49 33.95	−53 40 24.3	11.65	G	252.391 452 88	−53.673 411 64		5.32	−0.24	0.53	3.27	2.63	3.91	4.41	3.25	+17	+2	−12	+50	+20	+27	+23	+54	−5	+12	0	−1.18
82349	16 49 34.24	+06 10 09.7	9.23	G	252.392 659 11	+06.169 362 53		5.87	8.70	−34.52	1.23	0.83	1.37	1.33	0.96	−17	−32	+3	+40	−7	+3	−2	+40	−12	−14	0	0.43
82350 T	16 49 34.67	+13 15 40.3	5.91	G	252.394 476 01	+13.261 199 70		11.34	−29.03	−24.26	0.55	0.45	0.80	0.66	0.57	+21	−27	−13	+24	+15	−1	+25	−3	−20	+37	2	−0.30
82351	16 49 34.99	−21 51 08.3	7.28	2 H	252.395 804 50	−21.852 294 65		3.16	−21.44	−16.15	1.24	0.83	1.35	2.25	1.88	−30	−52	−14	−7	−42	+31	+15	+59	−37	−87	0	1.32
82352	16 49 35.89	+03 37 54.3	10.02	3 T	252.399 542 07	+03.631 748 41		−1.35	−12.33	−17.14	1.73	0.97	1.80	2.68	1.37	+26	−48	−18	+29	+28	−34	+26	+41	−30	+57	0	2.98
82353	16 49 36.13	+44 50 37.9	10.07	H	252.400 528 06	+44.843 874 50		4.23	−8.00	20.70	1.75	1.82	2.05	1.77	2.15	+14	−24	−13	−17	+3	+1	+4	+8	+2	+8	3	
82354	16 49 38.29	+28 20 30.4	8.81	H	252.409 547 06	+28.341 765 76		7.14	−7.41	−12.77	0.63	0.89	1.15	0.78	1.02	−1	−7	−36	−1	−1	−8	−4	+2	−4	−13	0	0.27
82355	16 49 40.57	+43 25 49.7	6.18	H	252.419 058 93	+43.430 459 63		5.38	−10.62	−9.36	0.46	0.47	0.53	0.58	0.58	+14	−12	−6	+8	+8	−5	+8	+9	+1	+33	0	−0.19
82356	16 49 42.11	+39 14 33.8	8.66	H	252.425 462 64	+39.242 730 93		0.79	9.21	−25.92	0.70	0.75	0.88	0.83	0.93	+12	−1	−13	+9	+2	+17	+5	+20	−8	+4	0	−0.42
82357	16 49 42.48	−65 04 32.9	10.33	G	252.426 988 52	−65.075 813 37		36.90	74.48	−105.60	1.26	1.24	1.97	1.42	1.49	+12	−24	−14	+0	−22	+18	−20	+8	−1	−5	0	0.88
82358	16 49 42.71	−40 20 26.3	8.24	H	252.427 978 28	−40.340 647 69		1.35	3.16	0.35	1.10	0.80	1.24	1.25	0.89	−20	−39	−4	+6	+4	+23	+6	+18	−7	−7	0	−1.66
82359	16 49 44.04	+28 23 06.3	7.82	G	252.433 484 74	+28.385 090 58		13.26	−31.73	35.72	0.53	0.66	0.92	0.63	0.85	−1	−5	−22	−5	−6	−11	−8	+5	−4	−14	1	−0.24
82360	16 49 44.53	−36 24 22.2	8.14	2 T	252.435 532 86	−36.406 156 78		2.81	27.47	−12.82	1.02	0.80	1.14	1.08	0.96	−12	−33	−23	+7	−28	−9	−21	+28	−8	−51	0	−0.02
82361	16 49 46.12	−56 14 41.7	8.76	H	252.442 183 66	−56.244 926 31		2.99	−5.64	−14.76	0.90	0.77	1.18	0.96	0.83	+21	−25	−29	+23	+18	+5	+24	+36	−11	+1	0	1.83
82362	16 49 46.53	−35 17 53.3	9.17	H	252.443 860 65	−35.298 125 68		5.37	−15.55	−40.63	1.67	1.48	1.86	1.91	1.68	−30	−36	−42	+34	−61	+22	−38	+70	−31	−63	0	2.49
82363	16 49 47.11	−59 02 28.7	3.77	1 H	252.446 297 64	−59.041 316 48		10.41	39.59	−25.28	0.40	0.38	0.69	0.46	0.43	−9	−15	−20	+0	−22	+2	−16	+37	−20	−19	1	0.42
82364	16 49 47.39	−18 15 37.9	9.07	G	252.447 465 98	−18.260 534 26		7.59	32.35	−0.45	1.16	0.75	1.27	1.27	1.02	−16	−36	−7	+20	−13	+2	+5	+58	−21	−37	2	−0.81
82365	16 49 47.81	−53 43 21.5	11.48	G	252.449 188 71	−53.722 635 10		1.57	−18.09	−30.79	2.81	2.28	3.32	3.78	2.88	+21	−8	−18	+50	+22	+19	+26	+55	−16	+17	2	−0.40
82366	16 49 48.25	−42 00 06.2	7.16	H	252.451 053 98	−42.001 712 88		0.55	−1.43	−1.17	0.68	0.56	0.81	0.80	0.63	−19	−21	−17	+7	−6	+26	+3	+17	−24	−28	2	−0.59
82367	16 49 48.42	−57 35 26.5	8.97	H	252.451 750 39	−57.590 704 74		5.95	−14.50	−64.52	1.01	0.86	1.48	1.22	1.10	+16	−39	−41	+11	+10	−4	+24	+41	−32	−18	0	0.95
82368	16 49 49.94	+21 40 40.0	7.82	H	252.458 101 43	+21.677 788 19		7.39	−24.66	31.06	0.80	0.68	1.08	0.82	0.82	+22	−38	−23	−14	+21	+10	+27	+11	−21	+38	0	0.15
82369	16 49 49.97	−10 46 58.1	4.64	H	252.458 221 37	−10.782 800 69		27.04	93.70	−81.94	1.20	0.78	1.08	2.60	1.13	−41	−29	−15	+45	−1	+6	+24	+9	−31	+1	0	2.43
82370	16 49 53.33	−24 26 48.0	9.59	G	252.472 224 82	−24.446 678 93		29.07	−276.83	−106.47	1.48	1.01	1.73	1.52	1.24	−27	−44	+13	+10	−27	−22	−12	+27	−19	−30	0	−0.98
82371	16 49 53.50	+35 32 11.7	9.48	H	252.472 907 10	+35.536 571 20		8.17	−31.16	60.52	0.75	0.91	1.04	0.89	0.98	+20	−6	−6	+14	+11	−4	+11	+19	−16	+14	0	−0.31
82372	16 49 57.19	+15 22 37.4	6.98	H	252.488 311 21	+15.377 044 28		10.73	−51.66	−22.73	0.50	0.45	0.81	0.69	0.61	−20	−16	+2	+12	+12	−11	+17	+4	−17	+24	0	−0.01
82373	16 49 58.14	+09 25 16.7	6.91	H	252.492 235 51	+09.421 296 68		3.65	−2.99	11.35	0.68	0.60	0.85	0.86	0.71	−9	−13	−36	+30	−11	−4	−8	+47	−29	−21	0	1.89
82374	16 49 58.51	−13 04 46.5	9.57	H	252.493 811 12	−13.079 589 18		14.51	−101.79	−67.13	1.42	0.88	1.47	1.89	1.19	−11	−9	+0	+25	+15	+1	+16	+34	−16	−7	0	1.66
82375	16 49 59.42	+46 38 56.3	6.90	H	252.497 582 00	+46.648 985 28		4.73	−21.85	37.51	0.56	0.50	0.61	0.58	0.55	+4	−10	+1	−3	+14	−22	+16	+10	−3	+5	0	0.73
82376	16 49 59.50	−23 26 53.5	8.63	H	252.497 897 04	−23.448 196 34		3.38	−0.36	17.70	1.14	0.85	1.19	1.41	1.07	−23	−39	+1	+15	−26	+3	−23	+42	−1	−26	0	−0.48
82377	16 50 00.08	−49 56 53.5	7.99	1 H	252.500 350 21	−49.948 188 09		2.13	0.72	9.40	1.09	0.75	1.23	1.34	0.85	−53	−7	−12	−29	+28	−23	+26	+18	−24	+49	0	−1.88
82378	16 50 01.44	−41 37 16.5	7.99	2 H	252.506 018 41	−41.621 242 26		1.35	−0.91	−1.62	0.95	0.68	1.20	0.97	0.72	+3	−43	−32	−7	+0	+21	+20	+11	−33	−21	0	−0.69
82379	16 50 01.80	+14 02 03.7	7.73	H	252.507 516 78	+14.034 374 63		5.92	23.35	−57.58	0.74	0.64	1.09	0.88	0.81	+13	−28	−1	+30	+15	+8	+22	+3	−7	+30	0	−0.42
82380	16 50 02.44	−54 29 02.0	8.86	H	252.510 157 46	−54.483 884 29		2.99	−13.36	−16.41	1.00	0.85	1.35	1.26	1.03	+11	−30	−25	+21	+14	−3	+14	+37	−3	−1	0	0.74
82381	16 50 02.57	+37 13 57.9	10.85	H	252.510 698 08	+37.232 744 62		10.98	−94.12	177.87	1.29	1.38	1.66	1.38	1.49	+6	−24	−10	+6	+9	−18	+9	+4	−7	+4	3	1.96
82382	16 50 03.16	−02 02 06.0	8.99	H	252.513 179 81	−02.035 003 71		2.83	−11.42	−12.34	1.20	0.78	1.38	1.33	0.94	−5	−42	−22	+43	−15	−12	−7	+66	−23	−10	0	0.66
82383	16 50 03.42	−43 38 21.9	10.23	G	252.514 264 06	−43.639 422 52		22.91	59.60	−209.04	1.76	1.29	2.02	1.95	1.46	−6	−36	−13	+7	+4	+10	+12	+9	−20	−4	0	−0.47
82384	16 50 03.66	−15 25 34.7	8.82	G	252.515 259 46	−15.426 294 19		13.81	1.05	25.21	1.21	0.79	1.30	1.44	1.03	−37	−6	−6	+12	+2	+10	+8	+33	−22	−46	0	−1.30
82385	16 50 04.07	+26 12 32.9	7.28	H	252.516 964 02	+26.209 133 96		4.09	14.24	5.96	0.43	0.60	0.84	0.51	0.70	+9	−16	−33	−21	−5	+3	+0	+8	−8	−6	0	0.52
82386	16 50 04.50	+19 20 44.0	8.79	H	252.518 769 63	+19.345 566 55		2.06	−1.59	0.72	0.84	0.76	1.25	0.99	0.90	+24	−20	+7	+21	+28	−5	+35	+4	−17	+59	1	1.13
82387	16 50 04.90	+32 00 12.0	10.56	2 H	252.520 432 06	+32.003 331 27		1.51	2.00	−5.72	1.02	1.16	1.48	1.45	1.49	+14	−8	−27	+12	+4	+6	+5	−2	−4	+11	0	0.70
82388	16 50 05.21	−12 23 13.9	7.95	H	252.521 696 48	−12.387 203 02		24.15	−74.29	−105.05	0.94	0.61	0.98	1.19	0.76	−15	−12	−15	+38	−2	+21	+3	+45	−18	−25	0	0.52
82389	16 50 05.31	+18 54 02.1	8.85	H	252.522 135 46	+18.900 588 90		37.36	−44.29	−69.95	0.85	0.73	1.21	1.11	0.89	+11	−31	+10	+26	+19	−15	+35	−8	−28	+56	1	−2.22
82390	16 50 06.40	+16 29 44.3	7.86	2 H	252.526 665 19	+16.495 635 72		3.80	−7.77	2.28	0.58	0.54	0.88	0.80	0.79	−12	−14	+2	+31	+18	+1	+23	+23	−17	+21	0	−0.46
82391	16 50 06.42	+36 02 24.1	7.94	H	252.526 747 63	+36.040 014 55		2.08	4.59	2.90	0.55	0.66	0.80	0.59	0.73	+7	−6	−25	+2	+1	+7	+6	+17	−20	−15	0	0.32
82392	16 50 06.60	−67 46 58.1	8.25	2 H	252.527 517 98	−67.782 794 05		2.16	−3.82	−6.95	0.57	0.73	1.14	0.72	0.83	+11	−18	−10	−23	+0	+2	+0	−13	+5	−3	0	0.97
82393	16 50 08.29	−18 07 46.4	9.84	G	252.534 528 71	−18.129 552 10		7.14	−36.23	−78.24	1.34	0.90	1.50	1.55	1.23	−34	−26	−9	+10	−16	+6	−3	+52	−27	−45	0	−0.69
82394	16 50 08.84	−67 01 34.5	7.99	H	252.536 840 28	−67.026 262 36		5.39	−12.95	−10.46	0.60	0.69	0.89	0.65	0.73	+0	−14	−15	+8	−22	−8	−23	+6	+1	−12	0	−0.32
*82395	16 50 10.31	+11 04 31.4	7.96	H	252.542 945 65	+11.075 391 77		2.02	3.55	6.84	0.73	0.70	1.01	0.87	0.88	−13	−22	−11	+36	−11	+7	−8	+41	−6	−27	0	1.36
*82396	16 50 10.24	−34 17 33.4	2.29	G	252.542 687 38	−34.292 609 82		49.85	−611.83	−255.87	0.71	0.58	0.81	0.74	0.61	−25	−15	−15	+5	−36	−21	−31	+34	−17	−44	0	−0.16
82397	16 50 10.71	−26 44 32.9	7.50	H	252.544 640 01	−26.742 478 81		8.58	−9.36	−27.86	0.87	0.64	0.98	1.13	0.77	+2	−29	−30	+17	+12	−15	+4	+15	+12	−21	0	−0.11
82398	16 50 11.56	+22 18 53.2	11.26	2 G	252.548 178 79	+22.314 786 42		4.41	−148.82	−367.18	1.50	1.74	2.51	1.45	1.92	−9	−8	−11	−51	+5	+4	+1	−5	+23	+3	1	1.36
82399 H	16 50 13.49	−47 30 09.9	9.29	H	252.556 189 22	−47.502 763 62	*	0.85	−1.29	−15.78	3.32	2.28	1.82	2.09	1.50	−25	−8	−10	+25	+1	+3	−9	+56	−19	−26	1	0.44
82400	16 50 16.39	+08 10 06.8	8.36	H	252.568 277 68

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
82301	10.976	0.053	9.370	0.023		1.345	0.046	T	1.31	0.05	L	9.3324	0.0016	0.014	98		9.31	9.35		C			1 S							
82302	8.543	0.012	7.475	0.009		0.901	0.023	G	0.94	0.02	A	7.5244	0.0007	0.008	93		7.51	7.54					1						
82303	8.532	0.012	8.000	0.012		0.499	0.015	T	0.57	0.02	L	8.0682	0.0020	0.012	76		8.05	8.09		C			1						S
82304	9.423	0.016	7.519	0.007		1.581	0.014	T	1.60	0.01	L	7.4641	0.0016	0.015	143		7.44	7.49		M			1						S
82305	8.481	0.010	7.987	0.010		0.466	0.015	G	0.54	0.02	H	8.0594	0.0014	0.012	132		8.04	8.08		C			1						S
82306	11.194	0.059	8.863	0.013		1.967	0.050	T	2.87	0.07	O	8.6026	0.0028	0.023	115		8.57	8.64		U 2			1						
82307	10.231	0.032	9.729	0.032	B	0.483	0.034	T	0.55	0.04	L	9.6718	0.0269	0.047	99	B	9.61	9.79			16490−1936	I 1	2 C B	BA	49	11.824	0.009	0.01	0.05	
82308	7.707	0.007	7.536	0.008		0.164	0.010	T	0.18	0.01	L	7.5662	0.0011	0.011	110		7.55	7.58					1						S
82309	9.564	0.026	9.086	0.026		0.463	0.028	T	0.53	0.03	L	9.1260	0.0024	0.016	58		9.10	9.15					1						
82310	8.539	0.008	7.045	0.005		1.257	0.007	T	1.22	0.01	L	7.0846	0.0007	0.009	141		7.07	7.11					1						S
82311	9.586	0.031	9.054	0.029		0.507	0.032	T	0.58	0.03	L	9.1510	0.0023	0.012	50		9.12	9.19					1						
82312	7.753	0.008	7.518	0.007		0.224	0.010	T	0.25	0.01	L	7.5518	0.0013	0.010	116		7.53	7.57					1						S
82313	10.717	0.030	10.308	0.033		0.387	0.041	T	0.45	0.04	L	10.4020	0.0031	0.042	215		10.30	10.47					1 X S						G
82314	9.955	0.025	9.038	0.019		0.812	0.023	T	0.84	0.02	L	9.0624	0.0023	0.019	95		9.02	9.10					1						
82315	9.968	0.034	8.998	0.024		0.852	0.031	T	0.87	0.02	L	9.0320	0.0027	0.014	52		9.00	9.06		C			1						
82316	7.826	0.006	6.738	0.004		0.940	0.006	T	0.93	0.00	L	6.7975	0.0009	0.010	146		6.78	6.81					1						S
82317	9.742	0.030	8.986	0.025		0.690	0.031	T	0.75	0.03	L	9.0749	0.0027	0.013	49		9.05	9.10		C			1						
82318											T	12.6718	0.0094	0.117	146		12.47	12.84					1						D
82319	9.389	0.025	8.951	0.025	A	0.427	0.028	T	0.49	0.03	L	8.9845	0.0117	0.035	62	A	8.94	9.05		U	16492−2243	I 1	2 C A	AB	285	14.035	0.025	2.40	0.11	
82320	9.080	0.012	8.237	0.009		0.757	0.011	T	0.80	0.01	L	8.3161	0.0017	0.018	143		8.29	8.36		C			1						S
82321	4.939	0.003	4.833	0.003	A	0.087	0.003	G	0.10	0.00	R	*	4.8394	0.0007	0.005	111	*	4.83	4.85		D	16492+4559	I 1	2 C B	AB	26	1.782	0.020	3.98	0.09	S
82322	11.311	0.052	9.331	0.016		1.641	0.043	T	1.66	0.04	L		9.2190	0.0027	0.030	214		9.17	9.27		U			1						
82323											T		11.4145	0.0204	0.109	60		11.24	11.63		U 2			1						G P
82324	8.167	0.007	6.732	0.004		1.211	0.006	T	1.23	0.02	G	6.7424	0.0007	0.008	153		6.72	6.76		C			1						S
82325	8.600	0.012	8.122	0.011		0.470	0.015	G	0.54	0.02	H	8.1850	0.0012	0.011	105		8.16	8.21		C			1						S
82326	8.385	0.013	8.131	0.014		0.238	0.019	T	0.27	0.02	L	8.2017	0.0014	0.014	59		8.18	8.23		C			1 S						S
82327	9.914	0.030	9.376	0.030	*	0.572	0.020	G	0.64	0.02	H	*	9.3860	0.0029	0.016	72	*	9.36	9.42		C	16493−0904	H 1	2 C D	AB	215	0.255	0.111	3.30	0.70	D
82328	9.727	0.028	9.265	0.028		0.485	0.020	G	0.56	0.02	H	9.2798	0.0026	0.016	62		9.24	9.32		C			1						
82329	10.366	0.034	8.266	0.012		1.737	0.029	T	1.76	0.03	L	8.1401	0.0027	0.022	103		8.11	8.18		U 2			1						
82330	10.375	0.049	9.701	0.044		0.597	0.020	G	0.67	0.02	H	9.7865	0.0047	0.027	53		9.71	9.82					1						G
82331	10.211	0.035	8.586	0.017		1.360	0.031	T	1.33	0.04	L	8.5777	0.0022	0.018	74		8.53	8.60					1						
82332	8.484	0.010	7.221	0.005		1.076	0.009	T	1.04	0.01	L	7.2599	0.0008	0.009	130		7.24	7.28					1						S
82333	11.341	0.069	9.838	0.031		1.264	0.059	T	1.22	0.06	L	9.8221	0.0025	0.028	126		9.75	9.89		R			1						
82334	7.815	0.008	7.420	0.009		0.399	0.015	G	0.46	0.02	H	7.4742	0.0009	0.010	87		7.46	7.49		C			1						S
82335	7.879	0.010	7.776	0.013		0.129	0.003	G	0.14	0.00	H	7.8068	0.0028	0.020	98		7.77	7.83	2.57	P 1 A			1						S
82336	9.173	0.014	7.999	0.010		1.007	0.013	T	0.98	0.01	L	8.0630	0.0012	0.012	112		8.04	8.08		C			1						S
82337	10.423	0.031	8.479	0.012		1.613	0.026	T	1.63	0.03	L	8.3923	0.0023	0.024	134		8.36	8.42		U			1						
82338	9.165	0.014	9.073	0.018		0.083	0.021	T	0.10	0.02	L	9.0930	0.0019	0.015	114		9.07	9.12					1						
82339	6.461	0.022	6.211	0.019		0.234	0.029	T	0.26	0.04	L	6.2533	0.0348	0.176	77		6.11	6.80	0.66	P 1 A			1						S
82340	9.027	0.016	8.564	0.016		0.436	0.021	T	0.50	0.02	L	8.6616	0.0027	0.022	83		8.62	8.70					1						
82341	10.505	0.032	9.706	0.026		0.724	0.032	T	0.78	0.02	L	9.7947	0.0022	0.025	125		9.74	9.84		C			1						
82342	8.195	0.011	8.147	0.014		0.052	0.015	G	0.06	0.01	L	8.1614	0.0020	0.013	83		8.15	8.19					1						S
82343	9.349	0.015	8.979	0.015		0.351	0.020	T	0.41	0.02	L	9.0406	0.0021	0.017	110		9.02	9.08					1						
82344	9.894	0.023	9.523	0.025		0.394	0.015	G	0.46	0.02	H	9.5498	0.0199	0.139	120		9.42	9.78	0.88	P 1 A			1						
82345	8.012	0.008	7.569	0.008		0.441	0.015	G	0.51	0.02	H	7.6228	0.0009	0.010	114		7.60	7.64		C			1						S
82346	8.743	0.009	8.398	0.009		0.327	0.012	T	0.38	0.02	L	8.4405	0.0027	0.029	190		8.40	8.49	0.10	P 1 A			1						S
82347	8.300	0.014	6.944	0.009		1.149	0.013	T	1.11	0.01	L	6.9743	0.0012	0.011	49		6.96	6.99		D	16496−3139	I 1	1 S						S
82348						1.310	0.015	G	1.27	0.02	H	11.8084	0.0092	0.064	76		11.66	11.90					1						D
82349	9.671	0.023	9.247	0.023		0.412	0.015	G	0.48	0.02	H	9.3297	0.0024	0.019	76		9.29	9.37		C			1						
82350	5.953	0.003	5.925	0.003		0.015	0.003	G	0.03	0.00	H	5.9264	0.0007	0.006	124		5.92	5.94		C	16496+1316	I 1	1 S						S
82351	9.877	0.027	7.593	0.009		1.935	0.009	G	2.54	0.05	F	7.2921	0.0053	0.030	80		7.26	7.38		U 2			1 S						S
82352	11.218	0.081	10.120	0.047		0.948	0.072	T	0.94	0.05	L	10.1460	0.0827	0.541	81		9.71	10.91	60.81	P 1 A			1 S						G
82353	10.529	0.040	10.090	0.043		0.414	0.054	T	0.48	0.06	L	10.1614	0.0030	0.025	103		10.11	10.21		C			1 X						
82354	9.052	0.011	8.834	0.012		0.208	0.015	T	0.23	0.02	L	8.8720	0.0017	0.019	154		8.83	8.91					1						
82355	7.802	0.007	6.308	0.004		1.257	0.006	T	1.22	0.01	L	6.3375	0.0009	0.007	115		6.32	6.35					1						S
82356	10.053	0.025	8.805	0.015		1.064	0.023	T	1.03	0.02	L	8.8317	0.0019	0.015	124		8.81	8.86		C			1						
82357	12.068	0.141	10.544	0.053		1.330	0.015	G	1.56	0.02	A	10.4574	0.0031	0.035	126		10.40	10.54					1						G
82358	10.253	0.044	8.393	0.018		1.546	0.038	T	1.61	0.08	L	8.3612	0.0021	0.015	54		8.33	8.38		C			1						
82359	8.341	0.009	7.855	0.008		0.457	0.011	T	0.53	0.01	L	7.9182	0.0014	0.016	161		7.89	7.94					1						S
82360	9.429	0.026	8.247	0.017		1.013	0.024	T	0.99	0.02	L	8.2689	0.0335	0.114	53		8.15	8.43		U 2			1						
82361	8.835	0.013	8.759	0.017		0.068	0.019	T	0.08	0.02	L	8.7852	0.0022	0.019	107		8.75	8.82					1						
82362	9.802	0.033	9.279	0.033		0.500	0.035	T	0.57	0.04	L	9.2788	0.0021	0.022	43		9.23	9.32		C			1						
82363	5.828	0.002	3.949	0.002		1.562	0.004	G	1.67	0.02	A	3.8760	0.0008	0.009	196		3.86	3.89		M	16498−5902	I 1	1						S
82364	9.918	0.025	9.197	0.021		0.795	0.015	G	0.83	0.01	H	9.1964	0.0019	0.016	105		9.17	9.23		C			1						
82365						0.540	0.015	G	0.61	0.02	H	11.5861	0.0087	0.041	78		11.52	11.66					1						G
82366	7.312	0.009	7.185	0.011		0.123	0.013	T	0.14	0.01	L	7.2047	0.0009	0.008	53		7.19	7.21		C			1						S
82367	9.482	0.020	8.993	0.020		0.472	0.022	T	0.54	0.02	L	9.0747	0.0014	0.018	78		9.05	9.11		C			1						
82368	9.290	0.013	7.947	0.008		1.139	0.012	T	1.10	0.01	L	7.9843	0.0013	0.013	121		7.95	8.01					1						S
82369	5.216	0.002	4.693	0.002		0.478	0.010	G	0.55	0.02	A	4.7415	0.0006	0.003	68		4.73	4.75					1 G						S
82370	10.945	0.083	9.671	0.046		1.104	0.005	G	1.18	0.01	I	9.7048	0.0043	0.024	45		9.68	9.74					1						G
82371	10.317	0.029	9.542	0.023		0.705	0.029	T	0.76	0.02	L	9.6214	0.0019	0.020	132		9.58	9.65		C			1						
82372	7.557	0.005	7.040	0.004		0.508	0.003	G	0.58	0.00	H	7.0938	0.0006	0.008	169		7.08	7.11		C			1						S
82373	8.053	0.009	7.014	0.007		0.903	0.009	T	0.90	0.01	L	7.0705	0.0012	0.008	77		7.06	7.09		C			1						S
82374	10.390	0.038	9.652	0.031		0.661	0.037	T	0.72	0.03	L	9.7036	0.0029	0.021	78		9.68	9.75		C			1						
82375	8.792	0.011	7.043	0.006		1.458	0.010	T	1.46	0.02	L	7.0363	0.0010	0.010	114		7.02	7.05		C			1						S
82376	10.253	0.040	8.810	0.022		1.217	0.036	T	1.18	0.04	L	8.7882	0.0019	0.012	61		8.77	8.82		D	16500−2327	I 1	1 S						
82377	10.386	0.044	8.191	0.015		1.855	0.038	T	2.53	0.07	O	8.0015	0.0023	0.016	94		7.97	8.04		U			1						
82378	8.079	0.015	8.016	0.018		0.063	0.022	T	0.07	0.02	L	8.0209	0.0022	0.017	49		8.00	8.08		U 2			1						
82379	9.046	0.016	7.834	0.010		1.036	0.015	T	1.01	0.01	L	7.9008	0.0017	0.014	97		7.87	7.93					1						S
82380	9.067	0.016	8.874	0.019		0.177	0.024	T	0.19	0.03	L	8.9159	0.0025	0.019	81		8.89	8.94					1						
82381	11.806	0.105	10.911	0.074		0.796	0.096	T	0.83	0.07	L	11.0002	0.0040	0.044	129		10.88	11.07		C			1 S						G
82382	9.644	0.021	9.065	0.019		0.561	0.015	G	0.63	0.01	H	9.1161	0.0023	0.016	89		9.09	9.14		C			1						
82383						1.220	0.004	G	1.37	0.01	I	10.3551	0.0064	0.037	57		10.28	10.42					1						G
82384	9.509	0.019	8.892	0.018		0.599	0.015	G	0.67	0.01	H	8.9320	0.0018	0.015	76		8.92	8.96		C			1						
82385	8.476	0.007	7.381	0.005		0.953	0.015	G	0.89	0.03	C	7.4389	0.0010	0.011	183		7.42	7.46		C			1						S
82386	10.988	0.047	9.000	0.014		1.648	0.039	T	1.67	0.04	L	8.8949	0.0027	0.024	136		8.86	8.93					1						
82387	12.607	0.240	10.887	0.084		1.463	0.210	T	1.71	0.17	K	10.6661	0.0080	0.050	119		10.58	10.73		U 2			1						G
82388	8.685	0.012	8.013	0.010		0.627	0.015	G	0.69	0.01	H	8.0774	0.0017	0.014	88		8.05	8.10		C			1						S
82389	10.214	0.024	8.958	0.014		1.020	0.000	G	1.07	0.00	I	8.9934	0.0021	0.022	136		8.96	9.04		C			1						
82390	8.014	0.007	7.872	0.009		0.137	0.011	T	0.15	0.01	L	7.9055	0.0015	0.019	152		7.88	7.98		U 2			1						S P
82391	9.999	0.024	8.111	0.010		1.568	0.021	T	1.59	0.02	L	8.0584	0.0019	0.016	118		8.03	8.09					1						S
82392	11.609	0.068	8.509	0.009		2.453	0.050	T	2.51	0.05	L	8.2696	0.0052	0.054	200		8.17	8.35		U 2			1 S						
82393	10.555	0.041	9.939	0.038		0.634	0.015	G	0.70	0.01	H	9.9697	0.0024	0.020	96		9.94	10.01		C			1						G
82394	8.154	0.008	7.983	0.008		0.156	0.011	T	0.17	0.01	L	8.0413	0.0018	0.017	151		8.01	8.07					1						S
82395	10.112	0.031	8.146	0.012		1.630	0.026	T	1.65	0.03	L	8.0709	0.0023	0.015	85		8.05	8.09					1						
82396						1.144	0.032	G	1.10	0.02	A	2.4532	0.0008	0.005	46		2.44	2.46					1						S
82397	7.628	0.008	7.509	0.009		0.108	0.011	T	0.12	0.01	L	7.5394	0.0012	0.011	63		7.52	7.56					1						S
82398	11.677	0.082	11.091	0.077		0.570	0.020	G	0.64	0.02	H	11.4189	0.0044	0.057	152		11.28	11.52		U			1						G
82399	10.593	0.038	9.418	0.024	*	1.008	0.035	T	0.98	0.03	L	*	9.4573	0.0021	0.019	93	*	9.43	9.49		D	16502−4730	H 1	2 C A	AB	145	0.269	0.026	1.86	0.26	G
82400	9.672	0.020	8.462	0.013		1.035	0.019	T	1.01	0.02	L	8.5272	0.0016	0.011	83		8.51	8.54		C			1						S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)																						Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	$\alpha*$	π	$\alpha*$	δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr																					%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28									29	30
82401	16 50 18.85	−49 26 02.9	9.15	H	252.578 558 30	−49.434 127 86		9.45	8.07	−47.11	1.26	0.92	1.51	1.48	1.05	−33	−15	−13	− 3	+23	−15	+22	+39	−28	−28									0	−2.21
82402	16 50 19.35	+07 14 51.7	5.48	G	252.580 627 83	+07.247 705 28		17.30	51.83	− 8.98	0.67	0.48	0.77	0.76	0.57	− 7	−25	−11	+46	−14	+16	− 7	+49	−21	−11									0	−0.28
82403	16 50 21.03	−56 40 12.6	8.77	H	252.587 638 91	−56.670 157 25		2.00	−16.82	−21.04	1.04	0.97	1.68	1.22	1.05	+30	−36	−58	+14	+23	−16	+31	+50	−45	+15									0	0.20
82404	16 50 21.07	+22 35 10.8	9.54	H	252.587 782 92	+22.586 340 16		7.55	4.43	− 3.53	1.14	1.12	1.74	1.10	1.40	− 4	+10	−16	−56	− 1	−12	−15	+18	−23	+13									2	−0.72
82405	16 50 22.25	−02 39 15.3	6.32	H	252.592 706 93	−02.654 246 68		16.71	2.37	−44.91	0.87	0.57	0.90	0.92	0.65	−15	−43	+ 1	+44	−18	+ 1	−17	+69	− 1	−12									0	1.33
82406	16 50 23.09	−07 27 26.3	8.97	H	252.596 203 37	−07.457 319 44		−2.87	4.55	− 5.13	1.51	1.01	1.50	1.64	1.15	−25	−52	+18	+57	− 9	−32	− 6	+67	+ 8	−18									0	−1.51
82407	16 50 23.13	+60 04 36.0	8.94	H	252.596 394 45	+60.076 666 18		3.74	16.53	23.34	0.84	0.82	0.86	1.03	0.99	+12	−12	−14	− 7	+16	+ 9	+14	+21	− 5	+25									0	−0.47
82408	16 50 26.55	+47 44 19.1	9.49	H	252.610 610 64	+47.738 638 88		32.89	−112.88	−40.02	0.82	0.86	0.94	0.97	1.06	+16	+ 8	+ 0	+12	+17	− 3	+18	+16	+19	+16									0	1.28
82409	16 50 28.85	−11 18 55.6	9.46	H	252.620 201 49	−11.315 457 37		12.62	58.00	−20.89	1.89	1.00	1.85	2.57	1.26	+ 9	− 9	−29	+62	+14	+18	+19	+60	−36	− 2									0	2.25
82410	16 50 29.65	−51 32 49.7	7.87	H	252.623 540 45	−51.547 137 01		4.73	− 1.04	− 6.64	0.90	0.75	1.05	1.32	0.88	−31	+12	−30	− 5	+25	−26	+16	+33	− 6	−34									0	0.16
82411	16 50 29.70	+28 55 35.9	8.69	H	252.623 770 18	+28.926 644 46		5.44	−42.79	−31.46	0.69	0.78	1.11	0.80	1.02	+ 8	−24	−24	− 6	+ 3	+ 1	+ 5	− 5	− 5	− 3									0	−0.27
82412	16 50 29.82	−03 37 38.7	8.43	H	252.624 249 83	−03.627 423 29		2.52	4.01	−25.86	0.96	0.70	1.09	0.94	0.79	−17	−38	−14	+43	−33	− 6	−22	+73	−18	−32									0	−1.39
82413	16 50 29.84	−49 18 25.2	8.35	H	252.624 332 63	−49.307 010 48		3.33	−10.11	−14.99	0.94	0.70	1.13	1.02	0.81	−22	−31	− 6	+21	+ 9	− 5	+16	+55	−31	−22									0	0.31
82414	16 50 31.65	+48 41 51.7	9.24	H	252.631 878 78	+48.697 691 71		3.01	−23.49	10.16	0.79	0.79	0.92	0.81	0.91	+ 4	− 6	+ 3	− 3	+11	−22	+12	+ 9	+19	+ 0									0	1.28
82415	16 50 32.93	+33 47 51.4	7.90	H	252.637 225 31	+33.797 604 27		6.73	11.56	−10.27	0.54	0.55	0.72	0.59	0.61	+ 8	−14	− 9	+15	+ 5	−11	+ 6	+ 2	−14	+12									0	0.62
*82416 H	16 50 33.28	−71 09 58.6	9.25	H	252.638 657 25	−71.166 266 58	A	16.17	3.32	38.03	1.65	2.14	2.70	1.60	2.35	+21	−13	− 2	+11	− 5	− 5	− 5	+11	− 4	+26									3	1.86
*82417	16 50 33.15	−67 21 04.2	8.36	H	252.638 131 59	−67.351 177 61		6.96	− 2.75	−18.58	0.76	0.79	1.19	0.78	0.86	+17	−20	−12	−17	−14	− 2	−14	− 9	+ 5	+ 0									0	3.83
82418 H	16 50 36.09	−50 02 41.8	6.45	G	252.650 361 31	−50.044 938 14	A	13.28	− 6.35	− 3.14	3.72	1.78	2.63	5.21	2.92	−47	−38	+12	−17	−12	+ 6	+23	+31	−28	−73									9	1.62
82419	16 50 36.15	+41 53 46.8	6.29	H	252.650 625 71	+41.896 346 80		8.05	−71.17	63.03	0.46	0.48	0.55	0.51	0.58	+ 5	− 1	+ 6	− 2	− 3	− 2	− 3	+14	− 3	+ 0									0	−2.02
82420	16 50 36.82	+52 10 32.1	9.04	H	252.653 414 51	+52.175 570 96		1.92	−11.28	−14.58	0.82	0.78	0.82	0.84	0.95	+19	− 4	+ 0	+24	+19	− 8	+23	+29	+ 3	+ 4									0	0.78
82421	16 50 37.10	+63 08 22.0	8.82	H	252.654 578 95	+63.139 438 53		5.72	− 9.63	13.41	0.65	0.68	0.71	0.62	0.75	+ 1	−20	+ 8	−21	− 7	+12	− 8	−11	− 3	+ 4									2	0.94
82422	16 50 38.96	+29 48 23.6	5.73	1 H	252.662 342 41	+29.806 545 06		3.53	− 5.54	− 2.99	0.41	0.47	0.67	0.46	0.53	+12	−14	−29	+ 3	+ 8	−25	+ 2	+ 1	− 8	+ 6									0	0.83
82423	16 50 39.80	−31 38 11.0	7.91	H	252.665 822 16	−31.636 392 46		1.33	8.27	−10.99	0.96	0.76	1.09	1.08	0.87	−24	−22	−24	+ 6	− 7	+13	− 1	+ 5	−17	−37									0	−0.16
82424 H	16 50 42.01	−41 27 23.6	8.06	G	252.675 032 88	−41.456 566 84	*	2.08	− 1.38	−10.04	1.90	1.48	1.53	1.32	1.02	−14	−23	−49	− 5	−12	+16	+ 4	+32	−33	−39									2	0.64
82425 H	16 50 42.41	−26 05 20.1	9.05	H	252.676 725 73	−26.088 926 62	A	3.22	− 8.24	−60.05	1.92	1.43	1.99	2.23	1.49	+ 3	−28	−34	+ 3	− 4	+16	+ 0	+34	−10	−15									1	−0.37
82426	16 50 43.13	+32 33 12.8	6.16	H	252.679 722 65	+32.553 559 43		10.36	24.12	44.65	0.43	0.47	0.61	0.52	0.58	+ 9	− 6	−11	+11	− 1	+ 2	+ 0	+13	−14	+ 8									0	−0.43
82427	16 50 43.45	−25 25 39.0	8.28	H	252.681 041 84	−25.427 506 15		−0.37	− 1.83	− 2.67	1.05	0.83	1.17	1.23	0.96	−27	−14	−22	+17	−29	+14	−20	+46	−27	−39									0	0.34
82428	16 50 44.15	+30 24 08.8	9.05	2 H	252.683 979 05	+30.402 453 09		3.65	11.75	− 1.24	0.64	0.78	1.02	0.76	0.89	+13	−13	−25	+ 0	+ 3	−20	− 2	−14	− 4	+ 7									0	1.55
82429	16 50 45.15	+04 27 05.5	8.70	H	252.688 140 43	+04.451 518 06		2.61	−14.41	− 2.79	1.25	0.79	1.39	1.51	0.93	+ 7	−33	−24	+42	− 2	−10	+ 4	+47	−22	+ 6									0	1.71
82430	16 50 45.53	−38 15 22.9	7.24	H	252.689 696 50	−38.256 363 59		7.73	−13.11	−23.14	0.97	0.79	1.09	0.86	0.83	−31	−46	−19	+17	−41	+13	−25	+29	−21	−58									3	1.01
82431	16 50 46.92	−49 12 38.8	8.23	G	252.695 482 49	−49.210 776 68		13.42	−23.92	−64.43	0.96	0.76	1.12	1.08	0.86	−27	−35	+ 0	+23	+ 9	− 9	+13	+54	−26	−24									0	−0.03
82432	16 50 48.26	+37 20 46.6	8.90	H	252.701 084 41	+37.346 290 75		5.80	−52.15	−39.78	0.68	0.74	0.86	0.69	0.81	− 8	− 7	−15	+ 4	+23	−17	+23	−11	+15	− 1									0	0.04
82433	16 50 48.35	−19 03 05.1	9.98	G	252.701 456 17	−19.051 413 93		7.94	−43.81	−26.76	1.52	1.07	1.65	1.88	1.48	−30	−19	−15	+26	−17	+ 8	− 5	+63	−28	−42									0	−0.65
82434	16 50 48.99	−43 47 09.3	10.06	G	252.704 125 59	−43.785 906 96		27.76	5.18	−396.12	1.75	1.19	2.06	1.71	1.27	+ 3	−50	−26	− 4	− 1	+16	+11	+ 6	−16	−12									0	0.06
82435	16 50 49.30	+56 19 47.8	8.17	H	252.705 405 12	+56.329 932 74		0.77	− 2.83	− 0.73	0.64	0.57	0.65	0.74	0.66	− 6	+ 7	− 9	− 1	+10	−10	+ 9	+ 8	− 6	− 6									1	1.13
82436	16 50 50.13	−74 32 18.5	10.17	H	252.708 866 75	−74.538 481 89		−0.15	3.25	− 4.66	0.95	1.09	1.47	1.06	1.30	+10	−30	− 4	+ 2	− 2	− 2	+ 1	+20	− 3	− 1									0	−0.49
82437	16 50 51.16	+48 20 37.7	7.77	H	252.713 153 57	+48.343 815 19		0.58	5.72	−17.71	0.56	0.60	0.67	0.63	0.70	+ 3	+ 0	−10	+ 7	+14	−24	+13	+12	+19	−11									1	0.46
82438	16 50 52.59	+34 14 11.0	8.18	G	252.719 130 37	+34.236 380 87		2.77	−10.41	− 1.95	0.56	0.64	0.76	0.57	0.68	+ 4	−13	− 9	− 2	+ 9	− 6	+10	+ 3	−12	+ 1									0	0.19
82439	16 50 52.83	−22 12 20.7	9.45	H	252.720 140 14	−22.205 750 92		11.25	−25.66	−19.82	1.69	1.28	1.90	4.34	2.96	−35	−21	− 1	+11	−32	−24	− 7	+50	+15	−84									0	1.04
82440	16 50 54.34	+38 09 00.8	9.20	H	252.726 436 88	+38.150 213 13		32.82	35.63	61.69	0.66	0.68	0.81	0.71	0.79	+ 9	− 4	−11	−12	+ 1	−12	+ 3	+ 9	− 3	− 4									0	0.72
82441	16 50 55.44	+51 07 42.6	7.96	H	252.730 999 07	+51.128 492 77		5.00	− 7.89	−20.90	0.57	0.65	0.67	0.65	0.76	+ 2	+ 3	−19	+14	+19	−20	+17	+14	+14	+ 1									0	0.45
82442	16 50 55.48	−16 32 48.8	7.04	2 G	252.731 175 24	−16.546 892 50		3.73	− 5.43	−14.47	0.79	0.54	0.92	1.06	0.72	−31	− 1	−10	− 6	− 7	−31	+ 0	+37	+ 9	−51									0	1.92
82443 H	16 50 55.70	−19 50 15.3	8.83	G	252.732 100 12	−19.837 589 16	A	3.10	1.50	− 9.72	5.72	12.47	1.93	2.66	1.96	− 9	− 9	+ 4	+23	−10	+ 2	− 8	+60	− 5	−41									1	−0.57
82444	16 50 56.34	−70 13 56.8	11.48	H	252.734 746 93	−70.232 455 98		1.06	− 5.24	−12.02	1.54	2.51	3.68	1.57	2.87	+21	− 9	− 4	−16	−11	− 4	−12	− 2	+18	+15									2	
82445	16 50 56.63	−00 46 42.9	8.77	H	252.735 977 00	−00.778 593 66		2.91	2.29	− 3.53	0.95	0.65	1.11	1.15	0.80	−10	−30	+ 3	+35	−12	+ 8	− 8	+57	−10	−10									0	0.58
82446	16 50 56.92	+27 06 24.4	9.03	H	252.737 150 80	+27.106 766 61		3.94	12.19	−11.69	0.63	0.82	1.11	0.82	1.03	+ 5	− 7	−27	−16	+14	+ 0	+14	−10	+11	+ 4									1	1.01
82447	16 50 57.48	−36 45 18.4	8.34	1 H	252.739 481 18	−36.755 114 73		7.45	3.26	−77.17	1.22	0.89	1.26	1.29	1.13	+ 3	−42	− 5	+26	−12	−11	−12	+22	− 1	− 9									0	1.56
82448 H	16 50 57.59	−08 36 17.9	8.81	G	252.739 950 49	−08.604 960 63	A	11.28	−14.81	−15.80	2.00	1.56	1.94	2.29	1.97	−40	−14	− 7	+33	−34	− 2	−24	+69	−24	−48									0	0.05
*82449	16 50 58.96	+05 29 20.5	7.40	H	252.745 651 35	+05.489 040 17		7.48	−18.74	−17.97	1.34	0.71	1.07	1.36	0.77	+27	−25	− 9	+76	+27	+ 3	+29	+63	−17	+20									0	1.94
*82450	16 50 58.94	−43 42 22.3	8.28	H	252.745 584 85	−43.706 183 83		−0.62	0.34	− 4.10	1.03	0.69	1.22	0.99	0.73	+ 8	−52	−20	− 2	+ 0	+24	+14	+11	−20	− 4									0	−1.37
82451	16 50 59.07	−26 46 51.5	10.52	2 G	252.746 139 07	−26.780 968 02		7.16	0.12	− 2.81	1.98	1.29	2.22	2.09	1.42	+ 2	−44	−27	+ 9	+ 5	+ 2	+ 5	+18	− 2	−24									3	0.84
82452	16 50 59.97	+18 45 12.0	9.69	H	252.749 862 00	+18.753 330 31		5.17	− 5.56	6.68	0.98	0.82	1.40	1.45	1.11	+16	−14	+ 2	+15	+24	−28	+30	+ 2	−34	+67									1	−1.56
82453 H	16 51 00.04	−37 30 52.1	6.10	G	252.750 159 20	−37.514 481 20	A	3.82	− 6.44	−12.60	0.90	0.73	0.92	0.90	0.79	−16	−24	+15	− 1	− 1	− 7	+ 3	−11	−19	+ 5									0	−0.35
82454	16 51 01.40	−40 00 05.3	8.57	H	252.755 817 65	−40.001 472 22		7.84	12.58	−26.26	1.14	0.84	1.24	1.34	0.94	−15	−41	+ 8	+ 0	+30	+15	+22	+ 4	+ 5	− 4									0	−0.43
82455	16 51 01.96	−00 28 00.9	8.75	H	252.758 152 17	−00.466 904 85		4.20	− 3.51	1.82	0.97	0.63	1.11	1.13	0.75	− 8	−32	+ 6	+34	− 6	+ 7	− 4	+52	− 7	− 4									0	−0.51
82456	16 51 03.09	+09 52 44.1	7.14	2 H	252.762 872 23	+09.878 917 05		3.24	−12.86	5.96	0.80	0.63	0.89	0.93	0.75	−25	−23	−25	+44	−16	− 3	−14	+32	−14	−38									0	1.43
82457	16 51 04.12	+04 46 59.5	8.40	H	252.767 165 96	+04.783 197 62		5.82	28.75	−77.61	1.11	0.77	1.34	1.33	0.95	− 2	−32	−32	+37	−13	+ 4	+ 1	+56	−39	−10									0	2.44
82458	16 51 05.55	−27 58 47.7	7.87	H	252.773 123 74	−27.979 906 94		2.19	−10.63	− 5.17	1.03	0.74	1.17	1.38	0.89	−21	+ 0	−16	−22	+ 2	−36	+ 0	+ 0	+ 9	−35									0	0.87
82459	16 51 05.64	−87 08 12.4	9.11	2 H	252.773 508 29	−87.136 782 23		0.18	− 2.81	− 3.69	0.72	0.84	0.97	0.81	1.10	+ 4	+ 2	+24	−21	− 8	−18	− 4	−15	−25	+ 4									0	−0.02
82460 H	16 51 07.41	+09 24 16.6	6.68	H	252.780 861 52	+09.404 607 08	A	14.71	15.56	−116.71	1.31	1.06	1.36	1.31	1.04	−14	−35	− 9	+31	+11	−16	+21	+11	−26	− 7									2	0.13
82461	16 51 07.70	+12 30 02.8	8.85	G	252.782 067 80	+12.500 779 29		2.71	3.21	− 6.43	0.68	0.66	1.08	0.95	0.86	+ 3	− 6	−14	+ 7	+12	+ 7	+20	−23	+ 5	+30									1	1.28
82462	16 51 07.84	−03 15 16.0	8.59	H	252.782 665 04	−03.254 437 84		3.40	16.40	−27.57	1.19	0.74	1.24	1.28	0.85	+13	−36	+ 1	+40	− 1	−11	+ 0	+60	+ 1	+ 8									0	−0.89
82463	16 51 08.05	+18 04 39.0	7.41	H	252.783 533 12	+18.077 496 67		4.13	16.54	10.86	0.60	0.51	0.96	0.90	0.65	− 2	−21	+ 0	+10	+ 5	−38	+13	− 1	−39	+43									1	0.95
82464	16 51 08.77	+42 04 48.7	7.68	H	252.786 536 21	+42.080 198 74		8.26	5.09	55.01	0.52	0.56	0.64	0.56	0.68	+ 7	+ 2	+ 8	− 7	− 3	− 3	− 2	+14	− 1	+ 2									0	−1.78
82465	16 51 10.26	−19 11 12.0	7.98	H	252.792 742 28	−19.186 665 77		3.32	4.80	− 8.08	0.99	0.69	1.08	1.25	0.98	−31	−13	− 7	+23	−18	+ 7	− 3	+ 6	+11	−28									0	−0.47
82466	16 51 10.73	−75 38 02.4	8.78	H	252.794 692 06	−75.634 006 96		9.09	−70.08	−107.94	0.61	0.78	0.95	0.76	0.89	−11	−16	+ 6	+15	−22	−25	−20	+18	− 2	− 8									1	−0.07
82467	16 51 11.49	−30 40 20.7	7.76	H	252.797 886 84	−30.672 406 71		2.16	− 1.70	−10.55	0.88	0.69	0.96	0.97	0.80	−12	−36	− 7	+ 2	− 4	+ 3	+ 0	− 3	− 9	−16									0	−0.81
82468	16 51 11.91	+15 47 41.0	7.24	H	252.799 635 49	+15.794 710 62		4.19	−13.07	− 0.78	0.51	0.46	0.81	0.69	0.62	−26	−21	− 2	+ 5	+13	− 6	+15	+ 9	−25	+11									0	−0.10
82469	16 51 12.83	+29 34 16.5	7.72	H	252.803 477 97	+29.571 237 95		15.57	94.77	−66.71	0.52	0.61	0.84	0.58	0.70	+15	− 6	−32	+17	+10	−15	+ 6	− 3	− 2	+14									0	−0.86
82470	16 51 13.96	+44 09 39.4	8.07	H	252.808 162 08	+44.160 936 24		15.29	16.81	12.89	0.64	0.63	0.72	0.77	0.76	+14	−11	−19	+ 3	+ 6	− 1	+ 7	+22	− 4	+10									0	0.11
82471	16 51 15.27	+34 17 20.8	8.03	G	252.813 611 10	+34.289 106 10		13.68	−51.61	110.47	0.54	0.61	0.73	0.57	0.63	− 1	− 9	−12	− 8	+14	−13	+13	+ 3	− 2	+ 0									0	0.40
82472	16 51 16.16	−13 35 50.6	9.28	H	252.817 343 72	−13.597 375 52		8.17	−10.05	2.02	1.30	0.76	1.23	1.58	0.96	+16	−19	− 2	+37	+26	− 5	+27	+43	− 2	+10									2	0.15
82473 H	16 51 18.48	+53 47 05.1	8.91	G	252.826 991 06	+53.784 741 16	A	0.84	4.80	− 6.17	1.55	1.39	1.47	1.54	1.45	+ 0	− 6	+ 6	−15	− 8	+16	− 9	− 4	− 5	− 4									0	−0.20
82474	16 51 21.52	−24 50 03.0	7.68	H	252.839 678 31	−24.834 157 18		4.83	31.45	− 7.94	1.08	0.72	1.21	0.96	0.76	−35	−53	+24	+12	−37	−21	−20	+35	−13	−31									0	1.23
82475	16 51 21.59	+00 17 59.4	8.08	H	252.839 957 61	+00.299 832 79		10.10	−50.83	− 1.92	1.04	0.61	1.08	1.06	0.71	− 1	−38	− 9	+45	+ 7	− 5	+12	+55	−12	− 2									0	−1.68
82476	16 51 21.64	+19 18 55.9	8.55	H	252.840 146 18	+19.315 539 51		3.92	− 5.06	8.00	0.77	0.67	1.10	0.92	0.84	+16	−23	− 1	+23	+27	−13	+35	+11	−24	+53									0	−0.55
82477	16 51 22.02	+37 57 10.0	8.54	H	252.841 753 70	+37.952 785 12		3.96	− 4.08	30.75	0.61	0.67	0.80	0.72	0.78	+ 1	− 1	−13	+ 2	+13	−23	+11	+ 1	− 1	− 4									0	0.75
82478	16 51 23.45	+50 46 22.7	7.47	G	252.847 695 89	+50.772 972 24		5.29	−29.13	38.08	0.55	0.55	0.59	0.61	0.71	− 6	− 4	− 6	+ 7	+14	− 3	+15	+10	+11	− 7									0	1.31
82479	16 51 24.88	−28 01 18.9	8.33	H	252.853 660 53	−28.021 908 26		6.37	18.19	−16.72	1.04	0.76	1.15	1.33	0.87	−19	−15	−11	−19	+ 0	−30	− 3	− 6	+ 6	−27									0	2.11
82480 H	16 51 24.94	+01 12 57.5	5.51	H	252.853 911 15	+01.215 981 36	A	9.45	−17.20	−14.02	1.83	1.03	1.11	1.65	0.80	−16	−35	− 8	+51	+ 3	−12	+13	+43	−27	+21									1	−0.38
82481	16 51 25.17	−12 41 58.5	8.88	H	252.854 884 01	−12.699 592 81		5.26	−2.90	−0.89	1.17	0.72	1.32	1.49	1.04	−24	−21	−13	+23	− 6	− 4	+ 1	+43	−37	−18									5	0.68
82482	16 51 26.54	+01 48 48.1	10.32	H	252.860 597 07	+01.813 357 69		1.83	8.44	− 7.88	2.11	1.11	1.94	2.65	1.41	+ 5	− 5	− 4	+66	+ 6	+12	+ 9	+54	−21	+ 9									0	−0.70
82483	16 51 27.28	+03 11 00.2	9.09	G	252.863 646 88	+03.183 391 87		4.98	− 4.70	−23.59	1.52	0.90	1.37	1.55	0.95	+40	−35	−25	+59	+32	− 9	+35	+61	−20	+34									0	0.95
82484	16 51 27.29	+54 02 01.2	8.23	H	252.863 691 45	+54.033 664 07		2.79	−13.77	14.81	0.64	0.59	0.70	0.68	0.63	+13	− 4	−14	− 9	−15	+25	−14	−23	+14	+ 8									3	−0.04
82485	16 51 27.46	+28 07 18.4	7.09	H	252.864 406 18	+28.121 766 22		4.85	16.41	23.91	0.45	0.56	0.79	0.56	0.68	+ 7	− 3	−27	− 3	+ 0	−15	− 5	− 8	+ 2	− 4									1	0.75
82486	16 51 31.44	+23 37 32.2	7.62	H	252.881 002 27	+23.625 605 61		4.22	−51.63	30.96	0.51	0.63	0.92	0.66	0.84	+ 9	− 8	− 8	−19	− 4	+ 9	+ 3	+ 7	− 6	−12									0	−0.39
82487	16 51 31.59	−01 56 45.3	8.94	H	252.881 621 56	−01.945 926 20		0.45	17.76	−13.53	1.33	0.71	1.51	1.36	0.86	+13	−59	−24	+31	+ 1	− 8	+12	+54	−24	+ 8									0	−0.03
*82488 H	16 51 33.05	−67 33 39.6	8.08	H	252.887 727 12	−67.561 000 24	A	7.81	− 5.09	−10.58	1.80	2.79	3.70	1.83	2.45	+14	+ 0	−21	+ 4	−10	+ 7	− 4	− 7	+21	+16									4	3.25
*82489	16 51 32.75	−39 41 51.1	8.64	H	252.886 478 62	−39.697 531 42		0.85	− 4.92	− 3.27	1.21	1.00	1.34	1.37	1.09	−26	−26	−30	−19	+35	−13	+26	−28	+17	−50									0	−0.46
*82490	16 51 32.77	−55 17 59.6	9.16	H	252.886 556 86	−55.299 891 34		7.47	−20.29	−21.75	0.87	0.75	1.18	1.09	0.94	− 7	−24	−21	+ 5	+ 2	− 5	+ 9	+23	−18	−35									0	0.86
82491	16 51 33.37	+71 17 09.5	8.12	H	252.889 044 83	+71.285 965 06		5.43	14.16	− 3.15	0.68	0.69	0.71	0.69	0.90	+ 5	−20	− 3	−34	− 3	−11	− 5	−11	+ 0	+13									0	−1.06
82492	16 51 33.38	−29 24 34.3	8.28	H	252.889 085 53	−29.409 519 27		8.71	−19.93	13.61	1.14	0.78

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data										Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
82401	9.659	0.022	9.214	0.023		0.434	0.025	T	0.50	0.03	L	9.2464	0.0021	0.023	109		9.22	9.28					1							
82402	5.618	0.003	5.495	0.003		0.108	0.004	G	0.12	0.03	C	5.5203	0.0005	0.005	89		5.51	5.53					1							S
82403	10.029	0.027	8.877	0.018		0.990	0.025	T	0.97	0.02	L	8.9333	0.0027	0.018	95		8.90	8.97					1							
82404	10.001	0.019	9.541	0.019		0.434	0.025	T	0.50	0.03	L	9.6370	0.0032	0.034	143		9.56	9.68		C			1							
82405	6.786	0.005	6.361	0.004		0.401	0.006	T	0.47	0.01	L	6.4094	0.0008	0.007	100		6.40	6.42		C			1							S
82406	11.363	0.083	9.148	0.022		1.829	0.069	T	1.86	0.07	L	9.0673	0.0019	0.017	87		9.04	9.10		C			1 G							
82407	9.576	0.021	8.979	0.019		0.557	0.025	T	0.63	0.02	L	9.0576	0.0018	0.021	96		9.03	9.09		C			1							S
82408	11.044	0.054	9.585	0.025		1.180	0.015	G	1.30	0.03	I	9.6079	0.0020	0.020	113		9.56	9.65		C			1							
82409	10.103	0.038	9.541	0.036		0.526	0.047	T	0.60	0.05	L	9.5781	0.0020	0.019	66		9.54	9.62		C			1							
82410	7.903	0.009	7.882	0.012		0.024	0.014	T	0.04	0.01	L	7.8893	0.0014	0.010	79		7.87	7.91		C			1							S
82411	10.050	0.020	8.821	0.013		1.050	0.019	T	1.02	0.02	L	8.8617	0.0017	0.019	163		8.83	8.90					1							
82412	8.615	0.011	8.462	0.012		0.147	0.015	T	0.16	0.01	L	8.4823	0.0013	0.012	104		8.46	8.51					1							S
82413	8.588	0.012	8.384	0.014		0.188	0.018	T	0.21	0.02	L	8.4107	0.0015	0.015	118		8.39	8.43					1							
82414	11.043	0.049	9.356	0.020		1.409	0.042	T	1.39	0.05	L	9.3819	0.0021	0.022	111		9.34	9.42		C			1							
82415	8.174	0.008	7.929	0.011		0.233	0.013	T	0.26	0.02	L	7.9702	0.0011	0.011	117		7.95	7.99		C			1							S
82416	10.311	0.021	9.391	0.016	A	0.782	0.133	G	0.74	0.03	L *	9.3880	0.0022	0.036	200	*	9.33	9.45		D	16506−7110	I 1	2 C	A	AB	173	9.370	0.023	2.16	0.07	
82417	9.915	0.023	8.527	0.013		1.174	0.021	T	1.14	0.02	L	8.5279	0.0017	0.020	156		8.50	8.57					1	S						
82418	6.818	0.006	6.453	0.006	*	0.325	0.007	G	0.38	0.01	H *	6.5354	0.0011	0.009	80	*	6.52	6.55		D	16506−5003	I 1	2 C	A	AB	41	3.073	0.003	0.26	0.01	S
82419	7.683	0.007	6.408	0.004		1.086	0.006	T	1.05	0.01	L	6.4590	0.0007	0.007	110		6.44	6.47		C			1							S
82420	10.391	0.034	9.143	0.019		1.064	0.030	T	1.03	0.03	L	9.2067	0.0024	0.021	112		9.17	9.25		C			1							
82421	9.130	0.013	8.851	0.014		0.287	0.001	G	0.33	0.00	H	8.8898	0.0010	0.013	107		8.87	8.91					1							
82422	7.829	0.007	5.911	0.003		1.626	0.006	T	1.72	0.02	O	5.8376	0.0012	0.012	139		5.81	5.85		U 2			1							S
82423	9.285	0.024	8.020	0.015		1.078	0.022	T	1.04	0.02	L	8.0820	0.0021	0.011	51		8.06	8.10		C			1							
82424	8.207	0.019	8.064	0.022	*	0.244	0.015	G	0.27	0.02	H *	8.0972	0.0016	0.011	53	*	8.07	8.12		D	16507−4127	H 1	2 C	A	AB	103	0.270	0.008	0.61	0.20	
82425	10.501	0.052	9.202	0.030	A	1.100	0.495	G	1.15	0.07	B *	9.2190	0.0030	0.019	51	*	9.18	9.25		D	16507−2605	I 1	2 C	B	AB	145	1.553	0.052	3.39	0.22	
82426	7.457	0.006	6.274	0.004		1.014	0.006	T	0.99	0.01	L	6.3220	0.0006	0.007	146		6.31	6.33					1							S
82427	10.445	0.052	8.495	0.019		1.618	0.044	T	1.64	0.04	L	8.3920	0.0016	0.015	50		8.37	8.41		C			1							
82428	9.471	0.014	9.083	0.015		0.367	0.019	T	0.43	0.02	L	9.1335	0.0040	0.045	135		9.08	9.25	1.36	P 1 A			1							
82429	10.638	0.048	8.924	0.020		1.431	0.041	T	1.42	0.07	L	8.8399	0.0019	0.019	73		8.82	8.88		C			1							
82430	7.180	0.009	7.225	0.011		−0.038	0.012	T	−0.02	0.01	L	7.2302	0.0016	0.010	55		7.22	7.25		C			1							S
82431	9.048	0.015	8.310	0.013		0.673	0.002	G	0.73	0.00	H	8.3465	0.0019	0.014	120		8.33	8.37					1							
82432	9.510	0.016	8.973	0.015		0.504	0.020	T	0.58	0.02	L	9.0157	0.0020	0.018	135		8.99	9.05					1							
82433	10.775	0.048	10.059	0.041		0.707	0.015	G	0.76	0.01	H	10.1053	0.0027	0.028	114		10.04	10.15		C			1							G
82434	11.691	0.146	10.213	0.064		1.094	0.007	G	1.17	0.01	I	10.1865	0.0040	0.026	62		10.14	10.22		C			1							G
82435	9.949	0.024	8.281	0.011		1.394	0.021	T	1.37	0.03	L	8.3139	0.0014	0.013	108		8.29	8.33		C			1							
82436	9.915	0.017	10.160	0.029		−0.170	0.015	G	−0.18	0.02	H	10.1087	0.0035	0.037	160		10.04	10.17					1	S						G
82437	9.498	0.016	7.896	0.008		1.342	0.014	T	1.31	0.02	L	7.9204	0.0010	0.013	115		7.90	7.94					1							S
82438	9.406	0.014	8.276	0.009		0.964	0.015	G	0.95	0.01	H	8.3430	0.0011	0.013	131		8.32	8.37					1							S
82439	10.152	0.050	9.448	0.045		0.636	0.051	T	0.70	0.04	L	9.5810	0.0027	0.021	42		9.54	9.61		C			1							
82440	10.616	0.035	9.331	0.019		1.093	0.031	T	1.05	0.03	L	9.3648	0.0017	0.016	135		9.34	9.39		C			1							
82441	9.522	0.016	8.069	0.009		1.225	0.014	T	1.18	0.01	L	8.1236	0.0013	0.010	107		8.11	8.14		C			1							
82442	7.323	0.006	7.109	0.009		0.248	0.005	G	0.28	0.01	H	7.1252	0.0060	0.031	77		7.09	7.20	2.11	P 1 A			1							S
82443	9.022	0.012	8.887	0.015	*	0.160	0.015	G	0.18	0.01	H *	8.8901	0.0021	0.017	106	*	8.86	8.92		D	16509−1950	I 1	2 C	B	AB	71	0.328	0.025	2.03	0.21	
82444											T	11.6210	0.0040	0.054	245		11.52	11.72					1 X							G
82445	10.173	0.030	8.879	0.018		1.100	0.027	T	1.06	0.03	L	8.9339	0.0014	0.014	99		8.91	8.95		C			1							
82446	9.273	0.012	9.048	0.013		0.215	0.017	T	0.24	0.02	L	9.1012	0.0020	0.020	160		9.07	9.14		C			1							
82447	9.169	0.021	8.411	0.018		0.676	0.021	T	0.74	0.02	L	8.4751	0.0053	0.027	50		8.43	8.52		U			1							
82448	9.627	0.021	8.938	0.018	A	0.760	0.155	G	0.71	0.03	L *	8.9610	0.0019	0.017	77	*	8.93	8.99		D	16510−0836	I 1	2 C	B	AB	283	1.365	0.060	3.28	0.12	
82449	7.561	0.009	7.413	0.009		0.142	0.012	T	0.16	0.01	L	7.4498	0.0013	0.011	78		7.43	7.47					1							S
82450	8.356	0.013	8.276	0.016		0.079	0.019	T	0.09	0.02	L	8.3090	0.0011	0.010	63		8.29	8.33		D			1							
82451	10.600	0.054	10.625	0.097		0.054	0.012	G	0.07	0.01	H	10.5424	0.0060	0.051	61		10.37	10.77		U 2			1 G							G
82452	10.134	0.023	9.687	0.024		0.422	0.031	T	0.49	0.03	L	9.7865	0.0029	0.035	143		9.73	9.85					1							
82453	6.216	0.006	6.098	0.007	*	0.124	0.002	G	0.14	0.00	H *	6.1467	0.0010	0.007	52	*	6.14	6.16		D	16510−3731	I 1	2 C	A	AB	5	6.762	0.006	2.35	0.04	S
82454	9.010	0.022	8.607	0.023		0.394	0.027	T	0.46	0.03	L	8.6649	0.0020	0.014	49		8.64	8.69					1							
82455	9.224	0.017	8.804	0.017		0.397	0.022	T	0.46	0.02	L	8.8419	0.0015	0.011	93		8.82	8.86					1							
82456	9.310	0.021	7.379	0.009		1.670	0.015	G	2.30	0.05	F	7.1878	0.0045	0.030	64		7.15	7.24		U 2			1							S
82457	9.794	0.025	8.555	0.016		1.057	0.023	T	1.02	0.02	L	8.5700	0.0024	0.016	77		8.54	8.60			16511+0447	I 1	1							
82458	9.481	0.025	8.005	0.014		1.300	0.015	G	1.26	0.02	K	8.0279	0.0022	0.012	48		8.01	8.05		C			1							
82459	11.455	0.070	9.354	0.019		1.777	0.060	T	2.69	0.07	O	9.0953	0.0086	0.079	130		8.92	9.19		U 2			1	S						
82460	7.328	0.007	6.762	0.006	*	0.529	0.008	T	0.60	0.01	L *	6.7919	0.0017	0.008	78	*	6.78	6.81		D	16511+0924	I 1	2 C	A	AB	178	0.632	0.003	1.02	0.01	S
82461	10.075	0.021	8.943	0.013		0.974	0.019	T	0.96	0.01	L	9.0155	0.0015	0.017	146		8.99	9.06		C			1							
82462	10.119	0.028	8.738	0.015		1.169	0.025	T	1.13	0.02	L	8.7606	0.0024	0.016	91		8.73	8.79					1							
82463	8.886	0.011	7.540	0.007		1.141	0.010	T	1.10	0.01	L	7.5797	0.0012	0.012	132		7.56	7.60		C			1							S
82464	8.447	0.011	7.757	0.009		0.637	0.012	T	0.70	0.01	L	7.8191	0.0010	0.010	115		7.80	7.84		C			1							S
82465	9.698	0.017	8.146	0.009		1.303	0.015	T	1.26	0.02	L	8.1350	0.0013	0.012	120		8.11	8.16		C			1							
82466	9.460	0.013	8.853	0.012		0.564	0.013	T	0.64	0.01	L	8.9002	0.0018	0.019	161		8.86	8.94					1							
82467	9.260	0.021	7.906	0.013		1.147	0.019	T	1.11	0.02	L	7.9292	0.0012	0.010	57		7.91	7.94		C			1							
82468	7.318	0.004	7.249	0.006		0.069	0.007	T	0.08	0.01	L	7.2678	0.0008	0.009	175		7.25	7.29					1							S
82469	8.430	0.008	7.797	0.007		0.583	0.008	T	0.65	0.01	L	7.8482	0.0012	0.014	156		7.82	7.87					1							S
82470	8.675	0.010	8.128	0.009		0.512	0.012	T	0.58	0.01	L	8.1868	0.0014	0.014	113		8.16	8.21		C			1							S
82471	8.800	0.010	8.101	0.009		0.644	0.015	G	0.71	0.01	H	8.1593	0.0010	0.011	132		8.14	8.18		C			1							S
82472	9.942	0.026	9.349	0.025		0.553	0.032	T	0.63	0.03	L	9.4021	0.0016	0.013	77		9.38	9.44					1							
82473	9.518	0.021	9.235	0.024	A	0.453	0.400	G	0.40	0.07	L *	9.2184	0.0014	0.016	104	*	9.20	9.25		D	16513+5347	I 1	2 C	B	AB	197	7.153	0.051	3.23	0.16	
82474	8.257	0.012	7.737	0.013		0.498	0.013	T	0.57	0.01	L	7.7866	0.0013	0.009	53		7.77	7.82		D	16514−2450	I 1	1							S
82475	8.421	0.011	8.115	0.012		0.291	0.015	T	0.33	0.02	L	8.1521	0.0012	0.009	91		8.13	8.17					1							S
82476	8.581	0.008	8.536	0.010		0.046	0.012	T	0.06	0.01	L	8.5705	0.0018	0.024	152		8.53	8.62					1							S
82477	9.823	0.018	8.656	0.012		1.001	0.017	T	0.98	0.01	L	8.7058	0.0013	0.017	139		8.68	8.75		C			1							
82478	8.834	0.013	7.570	0.008		1.080	0.015	G	1.04	0.01	H	7.6298	0.0011	0.010	118		7.61	7.65		C			1							S
82479	8.795	0.017	8.394	0.018		0.392	0.021	T	0.46	0.02	L	8.4248	0.0026	0.019	53		8.39	8.46			16514−2801	I 1	1	S						
82480	5.576	0.003	5.515	0.003	*	0.055	0.004	T	0.07	0.00	L *	5.5303	0.0009	0.005	82	*	5.52	5.54		D	16514+0113	I 1	2 C	A	AB	328	0.363	0.005	1.48	0.02	S
82481	10.782	0.050	9.056	0.020		1.440	0.043	T	1.44	0.07	L	9.0222	0.0014	0.015	76		8.99	9.04		C			1							
82482	11.963	0.156	10.395	0.060		1.315	0.132	T	1.28	0.15	L	10.4785	0.0035	0.031	76		10.39	10.53		C			1							G
82483	9.526	0.019	9.100	0.020		0.417	0.015	G	0.48	0.02	H	9.1780	0.0027	0.020	84		9.14	9.21					1							
82484	10.020	0.027	8.371	0.013		1.379	0.024	T	1.35	0.03	L	8.3777	0.0016	0.014	103		8.35	8.41		C			1							
82485	8.219	0.007	7.182	0.005		0.891	0.007	T	0.90	0.01	L	7.2313	0.0011	0.012	153		7.22	7.25					1							S
82486	8.945	0.009	7.721	0.006		1.046	0.008	T	1.02	0.01	L	7.7848	0.0015	0.016	173		7.76	7.82					1							S
82487	10.645	0.045	9.048	0.020		1.338	0.039	T	1.30	0.04	L	9.0894	0.0017	0.016	88		9.06	9.12		C			1							
82488	9.598	0.019	8.233	0.011	*	1.156	0.017	T	1.12	0.01	L *	8.2487	0.0020	0.021	189	*	8.22	8.28		D	16515−6734	I 1	2 C	A	AB	205	8.174	0.004	0.15	0.02	S
82489	10.323	0.046	8.789	0.023		1.289	0.040	T	1.25	0.04	L	8.8017	0.0031	0.017	44		8.77	8.83					1							
82490	9.860	0.023	9.259	0.022		0.560	0.023	T	0.63	0.02	L	9.2788	0.0015	0.017	103		9.25	9.31		C	16515−5518	I 1	1	S						
82491	9.404	0.016	8.236	0.011		1.002	0.015	T	0.98	0.01	L	8.2820	0.0014	0.013	102		8.26	8.31		C			1							
82492	9.012	0.018	8.343	0.016		0.588	0.015	G	0.66	0.01	H	8.4037	0.0012	0.012	54		8.39	8.43		C			1							
82493	5.299	0.003	5.253	0.004		0.047	0.005	T	0.06	0.00	L	5.2539	0.0013	0.006	54		5.24	5.27					1							S
82494	10.481	0.046	9.111	0.024		1.160	0.041	T	1.12	0.04	L	9.1234	0.0023	0.018	63		9.09	9.16		C			1							
82495											T	11.3006	0.0054	0.060	105		11.19	11.39					1							G
82496	10.493	0.037	9.459	0.023		0.889	0.034	T	0.93	0.03	L	9.5311	0.0024	0.017	110		9.50	9.57		C			1							
82497	8.798	0.008	8.409	0.008		0.378	0.015	G	0.44	0.02	H	8.4543	0.0011	0.018	205		8.43	8.49		D			1							
82498	12.150	0.263	10.034	0.061		1.750	0.216	T	1.78	0.22	L	9.5937	0.1295	0.397	41		9.39	10.25	28.76	P 1 A			1							G
82499	9.503	0.019	8.175	0.012		1.127	0.018	T	1.09	0.02	L	8.2178	0.0014	0.011	106		8.20	8.24		C			1							
82500	10.805	0.067	10.076	0.058		0.669	0.071	T	0.73	0.06	L	10.1354	0.0030	0.023	73		10.09	10.19					1							G

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%) δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	$\mu_{\alpha*}$ μ_δ	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
82501	16 51 41.67	−83 43 35.9	9.25	H	252.923 630 00	−83.726 626 23	4.96	−7.25	0.65	0.75	0.84	1.00	0.93	1.07	+ 8	−16	+ 7	+ 5	−12	−14	− 8	− 3	−14	+18	0	2.52
82502	16 51 43.25	−64 26 23.4	10.91	H	252.930 221 92	−64.439 821 67	10.99	−483.32	−152.78	1.32	1.34	2.22	1.45	1.54	+13	−20	− 8	−14	−25	+ 5	−24	+ 4	+18	− 6	4	2.55
82503	16 51 45.01	−73 43 21.3	6.76	H	252.937 547 42	−73.722 572 81	7.25	−22.74	−20.00	0.39	0.46	0.61	0.41	0.51	+11	−22	− 5	−15	− 2	+ 3	+ 1	+ 8	− 7	+ 2	0	0.60
82504	16 51 45.26	+24 39 23.1	5.03	G	252.938 563 97	+24.656 419 63	4.30	10.30	5.45	0.29	0.48	0.66	0.36	0.55	+ 7	−12	−16	+ 6	+ 2	− 7	+ 1	− 9	− 4	+ 5	0	−0.62
82505	16 51 45.44	+20 34 26.4	6.88	H	252.939 328 26	+20.573 986 56	6.99	−28.24	35.63	0.63	0.59	0.92	0.70	0.79	+11	−16	+ 5	+19	+36	− 5	+43	+15	−26	+46	0	0.18
82506	16 51 46.49	+25 24 00.7	7.10	H	252.943 716 09	+25.400 186 08	14.08	−42.28	−0.42	0.37	0.54	0.76	0.48	0.64	+13	− 3	− 8	−22	− 1	− 5	− 2	−10	−11	+20	3	0.63
82507	16 51 48.16	−44 38 25.9	10.23	H	252.950 678 64	−44.640 524 96	−0.45	−13.53	−19.15	2.02	1.51	2.43	2.15	1.54	+28	−43	−53	− 5	− 3	+ 3	+ 4	+ 2	−12	− 4	0	0.12
82508	16 51 48.65	+59 18 37.6	8.00	H	252.952 708 10	+59.310 449 44	5.07	55.53	−29.46	0.67	0.64	0.69	0.80	0.76	+ 3	+ 1	− 6	− 8	+ 1	+ 5	+ 1	+ 4	− 2	+11	0	0.38
82509	16 51 49.79	−35 44 31.3	8.80	H	252.957 473 07	−35.742 031 15	2.05	0.86	−15.52	1.31	1.14	1.65	1.41	1.23	−14	−24	−39	+14	−25	+11	−15	+19	−26	−33	0	1.46
82510 H	16 51 50.10	+28 39 58.7	6.62	G	252.958 738 73	+28.666 299 95 A	17.62	−1.32	37.72	0.72	0.85	0.95	0.67	0.81	+12	−10	−26	+ 3	+ 2	− 3	+ 2	− 4	+ 8	+ 3	0	0.08
82511	16 51 50.80	−25 32 06.0	8.48	H	252.961 665 87	−25.534 986 96	0.39	−0.53	−5.83	1.09	0.84	1.18	1.20	0.97	−26	−33	−16	+15	−30	+ 4	−20	+47	−13	−46	0	−0.42
82512	16 51 51.73	−26 52 25.6	7.54	H	252.965 549 51	−26.873 780 10	9.05	39.89	−22.45	0.83	0.64	0.95	1.07	0.76	−14	−22	−28	+ 7	− 1	−18	− 7	+14	+12	−37	0	2.11
82513	16 51 51.97	+54 19 51.6	7.25	H	252.966 533 35	+54.331 001 98	3.62	−12.81	5.59	0.57	0.50	0.60	0.58	0.56	+ 8	− 4	−12	− 8	− 9	+21	− 8	−14	+12	+ 6	0	3.08
82514	16 51 52.24	−38 02 50.4	3.00	2 H	252.967 661 95	−38.047 327 17 *	3.97	−8.84	−21.60	1.27	0.94	1.20	1.07	0.87	+18	−49	−20	− 6	−33	−10	−33	+ 3	+17	−30	11	3.15
82515	16 51 52.75	−49 06 53.9	7.23	H	252.969 805 43	−49.114 980 36	18.67	52.61	−27.48	0.74	0.57	0.86	0.80	0.63	−24	−26	− 8	+24	+ 3	+ 4	+ 8	+55	−25	−25	0	−1.76
*82516	16 51 53.91	+14 56 30.7	8.01	3 T	252.974 632 70	+14.941 857 79	0.42	13.89	8.36	0.82	0.79	1.29	1.23	1.03	− 9	+15	−11	−28	+17	−35	+16	−35	− 4	+34	0	−0.57
*82517	16 51 53.88	−65 22 31.5	6.12	H	252.974 519 58	−65.375 424 84	3.44	−1.17	−13.38	0.51	0.49	0.74	0.63	0.61	− 1	−23	−13	+ 1	−35	+25	−35	+ 8	+12	− 9	0	0.24
82518	16 51 55.03	+67 54 54.0	7.41	H	252.979 290 87	+67.915 010 42	7.07	−6.68	8.80	0.48	0.51	0.51	0.51	0.61	+ 6	−15	− 2	− 1	+ 9	+ 2	+ 9	+13	− 6	+17	0	−1.17
82519	16 51 56.41	−21 19 50.1	9.66	H	252.985 032 33	−21.330 595 06	1.14	−3.47	−9.99	1.49	1.13	1.83	2.08	1.67	− 6	−38	−38	+23	+ 2	−22	− 3	+25	+21	−68	0	0.59
82520	16 51 57.27	+45 35 38.7	8.43	H	252.988 616 29	+45.594 069 92	3.14	12.17	−7.70	0.64	0.67	0.78	0.71	0.75	+11	−17	− 9	+ 3	+14	+15	+11	+ 3	+24	+24	1	−0.85
82521	16 51 57.91	−36 01 36.0	12.04	G	252.991 281 92	−36.026 673 48	21.61	24.21	−253.67	5.87	4.65	6.24	7.81	5.86	−12	− 8	−32	+36	−27	+18	−19	+37	−21	+ 1	0	−0.08
82522	16 51 58.37	+70 33 35.7	10.50	G	252.993 217 11	+70.559 917 12	18.87	−72.37	8.96	1.35	1.27	1.34	1.46	1.71	− 5	−28	− 7	−20	+24	+ 2	+27	− 6	− 6	+ 2	4	0.71
82523	16 51 59.95	+23 51 22.1	12.34	2 H	252.999 806 89	+23.856 129 17	31.55	322.93	−336.43	1.66	2.08	3.09	2.25	2.75	+23	−14	−17	−22	− 6	+ 4	+ 4	+11	+ 1	− 8	0	1.09
82524	16 52 02.19	−22 54 33.2	8.28	G	253.009 137 55	−22.909 225 53	8.39	3.22	−27.19	1.15	0.90	1.26	2.36	1.78	−28	− 9	+ 8	+18	−22	−22	− 8	+44	+29	−72	0	0.94
82525	16 52 04.59	−14 48 10.6	7.73	H	253.019 141 55	−14.802 946 59	11.82	52.19	−23.98	0.93	0.61	0.99	1.17	0.80	−35	−22	+ 5	+18	+ 0	− 4	+ 4	+34	−10	−42	0	0.90
82526	16 52 04.84	+14 58 27.1	6.51	1 G	253.020 169 27	+14.974 201 24	7.21	16.82	5.61	0.58	0.48	0.79	0.71	0.58	+11	−19	− 4	+28	+ 6	+ 5	+13	+ 8	−16	+28	0	−0.28
82527	16 52 07.74	−02 47 54.0	6.96	H	253.032 236 50	−02.798 326 65	6.45	25.69	0.74	0.93	0.54	0.96	1.16	0.61	− 3	−17	−13	+52	− 8	+24	− 2	+61	−16	+ 2	0	1.81
82528	16 52 09.00	−57 34 49.1	7.14	H	253.037 483 89	−57.580 306 46	3.53	−4.51	−10.34	0.70	0.65	0.96	0.78	0.72	+ 5	−31	−36	+23	+ 0	+ 2	+11	+46	−23	−21	0	−0.67
82529	16 52 10.17	+38 56 16.1	9.26	H	253.042 365 02	+38.937 805 93	9.16	−54.38	45.82	0.72	0.83	0.93	0.78	0.99	+16	− 7	−14	− 5	− 1	+ 9	+ 5	+22	−11	− 1	0	−1.73
82530	16 52 10.87	+61 39 55.4	8.16	H	253.045 281 56	+61.665 376 12	0.85	−11.15	1.58	0.62	0.62	0.66	0.70	0.74	− 4	−11	−14	− 2	+ 5	−11	+ 4	+16	−12	+ 1	0	1.48
82531	16 52 11.29	−57 15 42.1	9.02	2 T	253.047 028 91	−57.261 690 35	4.71	5.60	14.57	1.10	1.02	1.61	1.18	1.06	+41	−45	−53	+10	+18	− 4	+34	+50	−33	+ 8	0	−0.44
82532	16 52 11.36	+35 29 22.6	7.56	H	253.047 352 99	+35.489 604 57	1.96	−0.05	13.45	0.53	0.66	0.75	0.63	0.75	+ 8	−16	−19	+20	+ 2	− 3	+ 3	+20	−11	−13	0	−0.92
82533 H	16 52 12.42	−62 44 13.5	7.80	G	253.051 736 34	−62.737 087 88 A	9.94	−1.49	−53.93	0.94	0.91	1.45	0.98	1.06	+13	− 3	− 6	−27	−49	+17	−41	+14	−15	− 9	3	0.06
82534	16 52 13.32	−26 55 10.6	8.30	H	253.055 507 25	−26.919 603 22	6.67	−13.33	−30.24	0.98	0.74	1.10	1.29	0.92	− 7	−18	−26	+ 5	− 8	−13	−10	+19	+10	−29	0	0.11
82535	16 52 14.94	−14 22 13.6	8.41	H	253.062 268 13	−14.370 434 28	5.82	−15.87	−32.03	1.07	0.69	1.20	1.36	0.87	−19	−19	− 9	+24	− 2	−15	+ 1	+45	−17	−23	0	0.99
82536	16 52 15.08	−15 52 58.8	9.73	G	253.062 838 84	−15.883 013 49	7.81	14.36	−0.73	2.02	1.23	2.44	2.21	1.56	−44	+ 2	−36	−13	+ 3	+11	+13	+28	−38	−55	10	4.59
82537	16 52 15.32	−05 47 19.5	7.83	H	253.063 830 53	−05.788 756 26	11.36	70.67	−32.17	1.03	0.78	1.20	1.26	0.96	−34	+ 2	−33	+40	−37	+ 6	−39	+80	−45	−22	0	−1.26
82538	16 52 16.07	−25 36 02.1	6.91	H	253.066 941 83	−25.600 578 93	4.81	12.87	−11.78	0.77	0.58	0.81	0.83	0.65	−22	−39	− 3	+25	−23	− 3	+18	+50	− 8	−27	0	2.57
82539	16 52 17.78	−67 40 53.4	6.33	H	253.074 097 16	−67.681 513 71	8.64	−52.82	−49.20	0.37	0.47	0.69	0.46	0.54	+ 6	−15	−14	−13	− 5	− 2	− 5	−12	− 1	− 7	0	0.93
82540	16 52 17.84	+15 38 56.3	9.13	G	253.074 316 38	+15.648 983 92	17.46	−102.79	−225.45	0.75	0.67	1.19	1.04	0.92	− 4	−21	+ 5	+ 0	+15	−16	+16	+ 9	−27	+33	3	0.51
82541	16 52 18.66	+40 49 12.3	9.76	2 H	253.077 751 51	+40.820 085 14	0.64	−3.45	0.52	0.82	0.84	0.98	0.82	0.93	+ 8	− 3	+ 1	−11	+ 0	− 7	+ 5	+18	−10	− 5	0	0.44
82542	16 52 18.66	+42 27 00.7	8.40	H	253.077 752 24	+42.450 208 20	7.85	13.86	−21.45	0.64	0.62	0.72	0.64	0.70	+19	−17	−12	−17	− 3	+ 1	− 4	+10	+ 6	+16	0	−0.26
82543	16 52 19.25	−41 51 16.2	6.36	H	253.080 205 06	−41.854 513 09	−0.93	−2.26	−0.37	0.79	0.62	0.97	0.88	0.68	−16	−27	−33	− 4	−14	+24	+ 2	+15	−29	−38	0	−1.25
82544	16 52 19.78	+11 14 31.1	7.04	2 H	253.082 405 59	+11.241 961 94	2.42	−73.13	−28.07	0.68	0.53	0.85	0.65	0.56	+33	−41	−35	+30	+28	−14	+27	+13	− 9	+19	0	−0.02
82545	16 52 20.15	−38 01 02.9	3.56	G	253.083 972 95	−38.017 477 81	6.31	−12.92	−23.80	0.76	0.57	0.86	0.66	0.61	−21	−55	−24	+ 6	−32	+ 8	−16	+25	−14	−65	0	−0.28
82546	16 52 20.25	−31 49 13.9	8.64	H	253.084 377 19	−31.820 527 18	2.84	−14.12	−16.15	1.13	0.79	1.27	1.32	0.90	− 8	−26	−18	+11	+ 1	+ 5	+ 6	+14	−15	−14	0	0.32
82547	16 52 20.66	−19 21 24.9	8.21	H	253.086 082 55	−19.356 907 72	9.64	−75.19	−43.47	1.02	0.73	1.07	1.38	1.00	−37	−10	−11	+30	−15	+21	−10	+60	−23	−41	0	−2.25
82548	16 52 20.82	−50 55 16.3	8.43	H	253.086 761 17	−50.921 204 89	2.45	−11.24	−10.22	1.13	0.90	1.42	1.39	0.94	−27	− 1	−39	−20	+21	−28	+15	+23	−18	−34	3	0.18
82549	16 52 21.77	−30 10 11.3	10.02	H	253.090 719 52	−30.169 799 22	3.42	−2.29	−5.20	2.08	1.52	2.15	2.23	1.79	+26	+17	+16	−29	−42	−28	−41	−14	−38	+14	6	0.17
82550	16 52 24.74	−46 04 00.6	10.33	H	253.103 078 69	−46.066 823 38	6.19	−1.20	−14.75	2.34	1.70	2.44	3.21	1.97	− 2	−28	−26	+28	+31	−23	+26	+50	−16	−15	0	1.00
82551	16 52 24.94	−37 36 26.6	8.99	1 H	253.103 927 51	−37.607 398 81	3.72	−11.60	−24.22	1.21	0.95	1.30	1.37	1.35	−13	−45	−16	+ 3	−22	− 2	−24	+11	+ 9	−49	3	2.05
82552	16 52 25.20	+63 09 00.6	8.68	H	253.104 990 77	+63.150 167 24	8.77	−35.90	−48.79	0.63	0.64	0.67	0.64	0.76	+ 6	−12	+ 3	−12	− 5	+ 6	− 6	+ 2	− 3	+ 8	1	1.08
82553	16 52 26.63	−74 49 46.4	7.61	H	253.110 939 36	−74.829 552 92	17.39	68.28	−5.97	0.49	0.60	0.81	0.57	0.72	+ 1	− 8	− 7	+12	−10	− 7	−10	+19	− 6	+ 2	0	1.54
82554	16 52 27.42	−40 43 23.2	6.35	1 H	253.114 262 83	−40.723 105 09	5.54	−9.27	−19.90	0.79	0.56	0.89	0.74	0.60	−17	−47	−13	+ 4	− 4	− 2	+ 1	+14	− 9	−33	0	−1.97
82555	16 52 28.14	−52 59 55.6	9.10	G	253.117 231 82	−52.998 771 74	−1.15	0.56	−2.51	1.07	0.91	1.20	1.36	0.99	+ 8	− 5	−12	+39	+32	+20	+32	+41	− 4	+15	0	1.13
82556	16 52 29.47	+52 55 47.1	8.46	G	253.122 793 20	+52.929 763 39	6.78	1.70	10.03	0.64	0.66	0.69	0.66	0.80	− 1	+ 1	+ 2	+ 4	+11	− 4	+16	+17	+ 1	−18	0	−0.04
82557	16 52 29.76	+13 13 26.2	9.97	H	253.123 988 42	+13.223 938 00	−0.48	6.37	7.69	1.04	0.95	1.71	1.29	1.15	+ 0	−18	−10	+22	+ 7	+ 1	+16	−12	−19	+15	0	0.97
82558	16 52 30.20	−05 08 58.7	7.56	H	253.125 853 25	−05.149 644 24	6.55	−36.28	1.88	0.89	0.63	0.98	1.16	0.77	−17	−12	− 7	+33	−23	− 1	−23	+69	−18	− 6	0	−1.38
82559	16 52 31.86	+49 23 23.1	9.93	H	253.132 752 27	+49.389 759 10	13.75	20.61	−45.04	0.94	1.02	1.11	1.09	1.32	+ 7	− 8	− 9	+ 3	+ 2	+ 5	+ 1	+13	+17	+ 8	0	1.41
82560	16 52 31.90	−42 59 30.2	7.04	H	253.132 901 93	−42.991 732 96	4.84	−9.85	−23.82	0.73	0.55	0.86	0.85	0.60	− 4	−29	−16	+ 3	+ 1	+25	+ 8	+14	−14	− 7	0	0.33
82561	16 52 32.33	−38 26 10.0	7.48	H	253.134 723 10	−38.436 097 54	2.36	0.28	−2.59	0.97	0.67	1.12	0.81	0.70	− 7	−58	−26	+ 2	−23	+ 6	−11	+20	−10	−46	0	1.69
82562	16 52 33.66	−51 07 43.8	8.93	H	253.140 230 62	−51.128 844 02	11.68	−141.77	−146.36	1.23	1.00	1.38	1.77	1.17	−28	− 2	−16	− 7	+32	− 3	+24	+23	−15	−23	0	2.47
82563	16 52 34.46	+10 26 38.9	9.10	H	253.143 575 71	+10.444 136 59	8.19	−12.33	−25.97	1.19	0.85	1.31	1.37	1.07	+ 9	−20	−18	+50	+ 1	+ 9	+ 1	+38	− 3	− 8	0	−0.22
82564	16 52 35.13	−19 42 21.9	9.83	H	253.146 392 86	−19.706 090 46	2.62	2.15	−23.13	1.40	1.05	1.50	2.01	1.47	−41	− 9	−19	+22	−20	+27	−12	+54	−28	−51	0	0.61
82565	16 52 36.06	−37 35 57.6	6.71	H	253.150 244 55	−37.599 325 07	6.50	−3.25	−37.26	0.81	0.68	0.87	0.88	0.81	−31	−40	−12	+16	−28	− 7	−23	+27	− 1	−61	0	1.26
82566	16 52 40.34	+20 58 25.2	7.51	H	253.168 065 37	+20.973 670 36	4.66	−34.34	−12.11	0.65	0.64	0.98	0.68	0.84	+ 5	−18	− 5	+16	+33	− 2	+41	+15	−23	+34	0	−0.23
82567	16 52 40.71	−48 30 08.8	8.73	H	253.169 613 58	−48.502 446 38	5.97	−22.33	−55.67	0.87	0.70	1.01	1.00	0.77	−12	−22	− 6	+24	+24	+ 6	+23	+52	−27	− 4	0	−1.30
82568	16 52 41.12	+18 03 43.9	6.81	H	253.171 350 57	+18.062 187 77	20.95	29.69	−22.99	0.51	0.43	0.79	0.74	0.54	+ 4	−23	− 2	+ 8	+ 8	−29	+13	+ 3	−28	+47	0	1.08
82569	16 52 41.72	−38 45 37.1	8.85	H	253.173 844 84	−38.760 297 54	6.59	−9.98	−21.88	1.36	1.04	1.69	1.25	1.02	− 7	−52	−34	+12	−26	+20	− 3	+37	−26	−38	0	0.52
82570	16 52 43.73	−30 41 42.4	8.65	H	253.182 214 12	−30.695 116 60	6.57	−23.39	−20.04	1.14	0.80	1.23	1.23	0.93	− 2	−35	− 7	+14	− 4	+ 1	− 2	+10	− 6	−11	0	−0.90
82571	16 52 43.87	+76 51 09.3	7.35	H	253.182 779 31	+76.852 588 40	6.25	9.68	17.95	0.52	0.62	0.62	0.59	0.79	+12	−21	−21	− 4	−12	+25	− 8	− 3	+ 3	+25	0	−0.41
82572	16 52 44.28	+36 39 19.2	9.03	H	253.184 489 37	+36.655 337 68	1.88	− 4.78	7.10	0.71	0.79	0.94	0.74	0.79	+19	−17	− 7	+ 3	+12	−26	+12	− 4	− 7	+24	0	0.40
82573	16 52 48.20	+49 51 05.6	9.20	H	253.200 822 10	+49.851 546 40	14.12	−104.18	71.54	0.74	0.79	0.87	0.96	1.16	+ 6	+ 7	−15	− 4	− 2	− 4	+ 1	+11	+22	− 9	0	2.99
82574	16 52 49.99	−77 45 31.8	8.68	H	253.208 287 16	−77.758 838 94	0.91	− 3.75	−15.97	0.63	0.75	0.91	0.71	0.84	− 1	−14	+14	+ 8	−12	−15	−11	+ 5	+ 6	+ 1	0	−1.57
82575	16 52 50.86	+55 59 51.2	8.74	H	253.211 896 72	+55.997 550 99	2.29	9.40	−15.04	0.70	0.61	0.74	0.79	0.71	− 4	−22	+ 3	−17	+ 1	+14	+ 2	− 2	− 1	− 9	1	1.66
82576	16 52 50.86	−23 18 25.1	10.26	H	253.211 931 51	−23.306 974 77	6.54	−18.92	−30.83	1.97	1.35	2.11	3.12	2.38	−37	−24	− 6	−25	+15	−26	+20	− 7	+13	−68	0	0.04
82577	16 52 51.44	−60 49 02.3	8.48	1 H	253.214 345 63	−60.817 316 34	3.67	− 0.63	−13.73	0.69	0.62	1.08	0.87	0.78	− 5	−19	− 9	+14	−28	+25	−29	+47	+ 7	− 3	0	−1.62
82578	16 52 52.99	+72 03 01.1	11.11	H	253.220 811 28	+72.050 307 67	15.24	−193.85	−61.47	1.24	1.34	1.33	1.41	1.79	+ 5	− 6	+ 4	−11	−16	+ 2	−19	+ 2	+ 6	+ 5	0	−0.14
82579	16 52 54.51	+32 36 32.1	9.04	H	253.227 137 29	+32.608 914 49	2.56	− 9.45	−13.05	0.74	0.79	1.02	0.95	1.02	+ 9	−17	+11	+31	+13	+ 4	+15	+19	−11	+14	0	0.88
82580	16 52 55.14	+75 23 34.2	6.82	H	253.229 766 53	+75.392 830 20	10.56	40.55	− 7.97	0.48	0.48	0.50	0.47	0.59	− 1	−14	−12	−21	+13	−14	+15	− 8	− 8	− 6	1	−1.47
82581	16 52 55.42	−16 11 54.0	9.66	G	253.230 917 13	−16.198 326 74	6.07	−17.67	−31.27	1.61	0.99	2.10	1.97	1.31	−26	− 6	−38	+ 4	− 6	+ 5	+ 6	+48	−38	−44	0	0.24
82582	16 52 55.77	+21 50 42.1	9.69	1 H	253.232 374 77	+21.845 015 24	5.19	−12.67	7.86	1.82	2.06	2.79	2.11	2.46	+14	−14	−17	+ 2	+17	− 8	+16	+24	−16	+25	0	
82583	16 52 56.01	−26 45 02.2	8.55	2 H	253.233 362 45	−26.750 618 61	2.12	0.46	−14.30	1.16	0.94	1.24	1.51	1.16	−28	−18	−21	+19	−30	+ 4	−25	+47	− 7	−42	0	1.51
82584	16 52 57.22	+44 24 08.0	8.10	H	253.238 429 71	+44.402 231 73	7.98	− 9.32	68.35	0.67	0.59	0.73	0.79	0.76	− 3	−12	− 6	−20	+ 4	+ 3	+ 3	+10	+ 6	+ 0	0	0.67
82585	16 52 57.25	−24 10 50.0	9.41	G	253.238 522 86	−24.180 549 94	4.36	− 8.40	−42.02	1.45	0.98	1.61	1.54	1.22	−12	−44	−12	+ 6	−34	−12	−18	+47	− 6	−49	0	0.17
82586	16 52 57.35	+11 18 03.8	8.05	H	253.238 968 61	+11.301 047 01	3.09	− 6.78	8.60	0.80	0.61	1.01	0.71	0.61	+31	−47	−30	+31	+38	−17	+37	+ 2	−12	+20	0	0.48
82587	16 52 58.12	+31 42 06.2	5.34	H	253.242 167 97	+31.701 715 38	33.30	−91.15	−17.10	0.43	0.47	0.62	0.51	0.58	+ 7	− 4	− 5	+22	+ 5	−14	+ 4	+12	−20	+ 7	0	1.05
82588	16 52 59.22	−00 01 22.1	6.65	1 H	253.246 740 87	−00.022 815 04	59.04	−711.75	−1483.65	0.77	0.51	0.87	0.91	0.60	−17	−27	+ 6	+28	+ 0	+14	− 1	+49	− 5	−12	0	−1.82
82589	16 52 59.39	+39 36 20.2	9.78	H	253.247 443 26	+39.605 616 38	4.55	−80.21	−13.54	0.87	1.03	1.11	1.05	1.26	+10	+ 5	− 1	− 1	+ 9	+12	+ 9	+33	+ 3	+12	0	−0.06
82590	16 53 01.27	+34 54 00.8	8.08	H	253.255 302 92	+34.900 233 77	3.67	6.54	−70.07	0.55	0.73	0.79	0.59	0.80	+ 6	− 7	−20	+ 3	+12	−15	+12	−21	− 1	− 4	0	−0.51
82591	16 53 02.63	−66 38 15.4	9.10	G	253.260 968 96	−66.637 613 56	0.15	− 5.75	−19.45	0.77	0.82	1.18	0.81	0.83	− 4	−14	− 2	+11	−27	− 8	−28	+ 0	+ 6	−16	0	2.53
82592 H	16 53 03.20	−81 35 40.4	8.27	H	253.263 322 14	−81.594 556 15 *	7.65	−19.87	−20.56	1.20	1.18	0.93	0.65	0.85	+12	−31	+17	+ 3	−23	− 9	−16	+11	− 5	−13	1	−0.40
82593	16 53 03.72	+14 53 07.9	8.29	H	253.265 499 03	+14.885 514 40	1.50	−24.82	18.85	0.82	0.68	1.09	0.92	0.78	+23	−27	−15	+31	+20	+ 4	+22	+25	− 5	+28	0	−0.64
82594	16 53 03.77	−47 14 24.9	7.59	H	253.265 716 90	−47.240 259 19	5.07	− 5.82	−10.09	0.95	0.70	1.06	1.30	0.81	−38	+ 7	−22	− 9	+20	−12	+16	+44	−21	−44	0	0.36
82595	16 53 04.37	−58 27 29.0	8.61	H	253.268 194 77	−58.458 052 76	4.34	20.37	− 1.77	0.72	0.71	1.19	0.93	0.84	−31	− 5	−20	−15	− 9	+17	− 3	+ 4	−18	−42	0	0.28
82596	16 53 06.51	−31 52 48.7	7.54	G	253.277 125 53	−31.880 185 99	1.61	− 4.71	−12.21	0.88	0.64	0.99	0.91	0.68	−17	−30	−16	+ 8	−16	+ 7	− 9	+24	−16	−30	0	0.74
82597	16 53 06.87	−33 22 57.9	9.00	H	253.278 644 90	−33.382 736 88	4.78	− 1.75	−22.93	1.22	0.88	1.47	1.24	0.85	+ 3	−18	−42	+ 6	−17	+ 1	−13	+22	−20	−14	0	−1.51
82598	16 53 07.07	−30 25 46.5	7.02	G	253.279 461 58	−30.429 596 13	5.72	−13.59	− 1.00	0.79	0.59	0.86	0.84	0.65	−10	−32	−15	+14	−13	+ 9	− 8	+18	−11	−22	0	−0.45

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″		ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65		66	67	68-70
82501	9.785	0.017	9.281	0.017		0.484	0.018	T	0.56	0.02	L	9.3563	0.0021	0.025	138		9.32	9.40					1							
82502	11.778	0.102	10.942	0.075		0.717	0.020	G	0.77	0.02	R	11.0471	0.0036	0.037	141		10.99	11.13					1							G
82503	6.661	0.003	6.721	0.004		−0.027	0.025	G	−0.08	0.02	A	6.7334	0.0008	0.010	181		6.72	6.75					1							S
82504	6.649	0.003	5.169	0.002		1.246	0.001	G	1.11	0.03	C	5.2109	0.0005	0.006	252		5.20	5.22					1							S
82505	8.334	0.009	7.003	0.006		1.129	0.008	T	1.09	0.01	L	7.0443	0.0010	0.010	116		7.03	7.06					1							S
82506	7.516	0.004	7.142	0.004		0.354	0.005	T	0.42	0.01	L	7.1881	0.0008	0.010	204		7.17	7.21					1							S
82507	10.846	0.082	10.265	0.078		0.543	0.100	T	0.62	0.09	L	10.3472	0.0062	0.032	44		10.26	10.41					1							G
82508	9.090	0.014	8.124	0.011		0.849	0.013	T	0.86	0.01	L	8.1594	0.0012	0.015	104		8.13	8.19					1							S
82509	10.957	0.081	9.002	0.027		1.622	0.068	T	1.64	0.07	L	8.9145	0.0034	0.021	46		8.88	8.95					1							
82510	7.284	0.007	6.801	0.007	A	0.479	0.012	G	0.55	0.01	H *	6.7292	0.0009	0.010	174	*	6.71	6.74		D	16518+2840	I 1	2 C	A	AB	93	1.413	0.005	1.57	0.02	S
82511	9.035	0.022	8.516	0.022		0.455	0.015	G	0.52	0.02	H	8.5836	0.0027	0.013	48		8.57	8.62		C			1							
82512	7.933	0.011	7.574	0.011		0.370	0.015	G	0.43	0.02	H	7.6232	0.0016	0.012	65		7.60	7.65		C			1							S
82513	8.801	0.012	7.371	0.007		1.207	0.011	T	1.17	0.01	L	7.4167	0.0010	0.013	108		7.40	7.44					1							S
82514	2.768	0.009	2.967	0.008		−0.200	0.160	G	−0.20	0.02	A	2.9246	0.0124	0.081	51		2.87	3.13	1.45	P 1 A			1 V							S
82515	7.742	0.007	7.281	0.006		0.448	0.007	T	0.52	0.01	L	7.3324	0.0008	0.007	119		7.32	7.35					1							S
82516	10.014	0.031	8.185	0.012		1.522	0.026	T	1.56	0.04	L	8.2809	0.2368	1.671	98		6.81	10.91	306.30	P 1 B			1	S						G P
82517	6.082	0.003	6.118	0.003		−0.028	0.004	T	−0.01	0.00	L	6.1228	0.0006	0.008	142		6.11	6.14					1							S
82518	7.534	0.008	7.419	0.008		0.111	0.011	T	0.12	0.01	L	7.4506	0.0008	0.011	117		7.43	7.47		D			1							S
82519	10.071	0.039	9.630	0.042		0.416	0.053	T	0.48	0.06	L	9.7504	0.0030	0.017	49		9.72	9.78		C	16519−2120	I 1	1	S						G
82520	9.591	0.016	8.529	0.011		0.921	0.015	T	0.92	0.01	L	8.5883	0.0017	0.014	115		8.56	8.62					1							
82521						2.248	0.400	G	4.48	1.18	I	12.0876	0.0144	0.075	32		11.99	12.21					1	S						G
82522	11.999	0.134	10.557	0.063		1.050	0.020	G	1.10	0.03	I	10.6189	0.0050	0.033	79		10.55	10.67		R			1							G
82523						2.100	0.495	G	4.06	1.46	I	11.7726	0.0065	0.075	163		11.64	11.89		U 2			1							G
82524	8.688	0.018	8.311	0.019		0.384	0.015	G	0.45	0.02	H	8.3634	0.0021	0.015	53		8.33	8.39		C			1							
82525	8.268	0.009	7.774	0.010		0.471	0.003	G	0.54	0.00	H	7.8357	0.0012	0.008	89		7.82	7.85					1							S
82526	6.480	0.004	6.494	0.004		−0.033	0.003	G	−0.01	0.00	H	6.5116	0.0013	0.013	98		6.49	6.53	0.94	P 1 A			1							S
82527	7.217	0.006	6.982	0.007		0.224	0.009	T	0.25	0.01	L	7.0249	0.0008	0.008	85		7.01	7.04					1							S
82528	7.067	0.005	7.135	0.008		−0.057	0.009	T	−0.04	0.01	L	7.1285	0.0015	0.010	92		7.11	7.15					1							S
82529	9.815	0.022	9.334	0.022		0.453	0.028	T	0.52	0.03	L	9.3624	0.0024	0.021	127		9.32	9.40		C			1							
82530	9.757	0.022	8.313	0.011		1.218	0.019	T	1.18	0.02	L	8.3272	0.0012	0.012	110		8.30	8.35		C			1							
82531	9.505	0.020	9.069	0.020		0.425	0.023	T	0.49	0.02	L	9.1239	0.0327	0.150	90		8.97	9.32	0.54	P 1 A			1							P
82532	9.604	0.019	7.726	0.009		1.550	0.015	G	1.56	0.09	H	7.6781	0.0018	0.015	120		7.66	7.71					1							S
82533	8.394	0.008	7.930	0.008	A	0.481	0.015	G	0.55	0.02	H *	7.8885	0.0011	0.015	187	*	7.86	7.92		D	16522−6244	I 1	2 C	A	AB	4	3.135	0.006	2.29	0.03	S
82534	8.743	0.015	8.348	0.015		0.386	0.018	T	0.45	0.02	L	8.3863	0.0018	0.014	67		8.36	8.41					1							
82535	10.106	0.029	8.596	0.015		1.270	0.026	T	1.23	0.03	L	8.5708	0.0016	0.016	92		8.54	8.59		C			1							
82536	10.622	0.049	9.872	0.040		0.817	0.015	G	0.84	0.01	H	9.8607	0.0032	0.021	80		9.82	9.90		D			1	S						G
82537	9.080	0.012	7.932	0.008		0.986	0.011	T	0.97	0.01	L	7.9951	0.0012	0.012	116		7.97	8.01		C			1							
82538	6.983	0.006	6.919	0.009		0.058	0.010	T	0.07	0.01	L	6.9355	0.0013	0.006	48		6.93	6.95		D	16523−2536	I 1	1	S						S
82539	8.002	0.006	6.467	0.003		1.289	0.005	T	1.25	0.01	L	6.4898	0.0007	0.009	204		6.47	6.50		C			1							S
82540	10.013	0.022	9.214	0.017		0.700	0.015	G	0.75	0.01	H	9.2581	0.0019	0.022	135		9.22	9.29		C			1							
82541	11.994	0.131	10.013	0.037		1.678	0.112	T	1.71	0.17	K	9.8674	0.0050	0.041	114		9.81	9.93		U			1							
82542	8.946	0.012	8.447	0.012		0.469	0.015	T	0.54	0.02	L	8.5072	0.0011	0.013	122		8.48	8.53		C			1							S
82543	6.785	0.009	6.511	0.009		0.264	0.051	G	0.70	0.03	C	6.4965	0.0017	0.010	46		6.48	6.53					1							S
82544	9.138	0.015	7.196	0.007		1.611	0.013	T	1.63	0.01	L	7.1533	0.0030	0.070	103		7.07	7.26		U 2			1							S
82545	3.304	0.004	3.524	0.004		−0.210	0.009	G	−0.21	0.02	A	3.4829	0.0007	0.003	53		3.48	3.50		C			1							S
82546	9.020	0.019	8.692	0.021		0.316	0.031	T	0.36	0.04	L	8.7178	0.0021	0.016	46		8.69	8.74		C			1							
82547	8.724	0.011	8.271	0.011		0.466	0.015	G	0.54	0.02	H	8.3160	0.0013	0.012	104		8.30	8.33		C			1							
82548	10.475	0.046	8.627	0.018		1.537	0.039	T	1.59	0.09	L	8.5550	0.0027	0.020	68		8.52	8.59					1							
82549	10.449	0.048	10.084	0.054		0.346	0.067	T	0.41	0.09	L	10.0967	0.0045	0.023	53		10.04	10.15					1							G
82550	10.787	0.056	10.310	0.059		0.449	0.074	T	0.52	0.08	L	10.4299	0.0037	0.025	66		10.39	10.48		C			1							G
82551	9.401	0.031	9.001	0.033		0.391	0.038	T	0.46	0.04	L	9.0807	0.0036	0.022	56		9.03	9.13		U			1							
82552	9.248	0.015	8.741	0.014		0.476	0.019	T	0.55	0.02	L	8.7869	0.0016	0.017	111		8.76	8.82		C			1							S
82553	8.152	0.007	7.662	0.006		0.473	0.007	T	0.54	0.01	L	7.7133	0.0011	0.015	172		7.69	7.74					1							S
82554	6.167	0.005	6.317	0.007		−0.141	0.007	G	−0.14	0.01	H	6.2986	0.0053	0.023	63		6.27	6.32	1.61	P 1 A			1							S P
82555	9.226	0.020	9.152	0.026		0.104	0.015	G	0.12	0.02	H	9.1534	0.0022	0.019	74		9.13	9.20		C			1							
82556	8.790	0.011	8.485	0.011		0.268	0.020	G	0.30	0.03	H	8.5374	0.0013	0.013	112		8.52	8.56		C			1							S
82557	10.540	0.036	10.040	0.037		0.470	0.047	T	0.54	0.05	L	10.0767	0.0025	0.024	95		10.03	10.13		C			1	S						
82558	9.147	0.014	7.718	0.008		1.206	0.013	T	1.17	0.01	L	7.7244	0.0012	0.011	107		7.71	7.74		C			1							S
82559	10.909	0.046	9.941	0.032		0.838	0.044	T	0.86	0.03	L	10.0746	0.0028	0.025	99		10.03	10.12		C			1							
82560	7.206	0.008	7.068	0.008		0.125	0.011	T	0.14	0.01	L	7.0888	0.0010	0.008	60		7.08	7.10		C			1							S
82561	7.692	0.009	7.525	0.014		0.160	0.016	T	0.18	0.02	L	7.5378	0.0027	0.016	58		7.51	7.56					1							S
82562	9.828	0.031	9.029	0.025		1.582	0.015	G	0.68	0.11	S	9.0621	0.0078	0.051	65		8.99	9.14		R			1							
82563	9.742	0.026	9.181	0.024		0.525	0.032	T	0.60	0.03	L	9.2161	0.0026	0.018	72		9.19	9.25		C			1							
82564	10.561	0.044	9.927	0.040		0.584	0.044	T	0.66	0.04	L	9.9577	0.0024	0.021	89		9.92	9.99		C			1							G
82565	7.843	0.011	6.821	0.008		0.891	0.010	T	0.90	0.01	L	6.8695	0.0012	0.009	60		6.86	6.89		C			1							S
82566	9.353	0.016	7.671	0.008		1.405	0.014	T	1.38	0.02	L	7.6574	0.0017	0.016	117		7.63	7.68					1							S
82567	9.475	0.018	8.826	0.016		0.595	0.018	T	0.67	0.02	L	8.8627	0.0017	0.014	122		8.84	8.89					1							
82568	7.431	0.005	6.865	0.005		0.529	0.006	T	0.60	0.01	L	6.9239	0.0008	0.009	148		6.91	6.94					1							S
82569	9.430	0.027	8.872	0.026		0.461	0.015	G	0.53	0.02	H	8.9497	0.0031	0.018	44		8.92	8.98		C			1							
82570	9.078	0.018	8.673	0.019		0.396	0.022	T	0.46	0.02	L	8.7375	0.0019	0.016	59		8.71	8.77		C			1							
82571	7.732	0.007	7.391	0.007		0.333	0.015	G	0.39	0.02	H	7.4322	0.0012	0.012	110		7.41	7.46					1							S
82572	10.402	0.030	9.133	0.017		1.081	0.027	T	1.04	0.02	L	9.1954	0.0023	0.020	126		9.16	9.25		C			1							
82573	10.056	0.027	9.270	0.022		0.714	0.027	T	0.77	0.02	L	9.3421	0.0021	0.016	101		9.31	9.38		C			1							
82574	10.859	0.043	8.888	0.014		1.670	0.037	T	2.06	0.08	O	8.7627	0.0022	0.022	142		8.73	8.81					1							
82575	8.820	0.013	8.767	0.017		0.054	0.020	T	0.07	0.02	L	8.7665	0.0022	0.015	86		8.74	8.79		C			1							
82576	11.046	0.084	10.350	0.073		0.606	0.071	G	0.68	0.06	R	10.3886	0.0046	0.022	45		10.34	10.43		C			1							G
82577	8.488	0.007	8.467	0.008		0.020	0.009	T	0.04	0.01	L	8.4994	0.0018	0.021	198		8.46	8.53		U			1							
82578	11.682	0.134	10.860	0.096		1.552	0.197	G	2.45	0.82	I	11.1429	0.0054	0.048	97		11.07	11.21					1							G
82579	10.217	0.023	9.129	0.015		0.940	0.021	T	0.93	0.01	L	9.2014	0.0017	0.023	141		9.16	9.24					1							
82580	7.187	0.005	6.852	0.006		0.318	0.007	T	0.37	0.01	L	6.8979	0.0010	0.009	113		6.88	6.91					1							S
82581	10.591	0.049	9.770	0.036		0.898	0.015	G	0.90	0.01	H	9.7888	0.0038	0.027	77		9.75	9.83					1							
82582	11.246	0.066	9.799	0.028		1.220	0.056	T	1.18	0.06	L	9.8464	0.0035	0.032	94		9.79	9.92		U			1 X							
82583	9.949	0.031	8.655	0.018		1.095	0.029	T	1.06	0.03	L	8.6863	0.0066	0.047	58		8.61	8.76	2.39	P 1 A			1	S						P
82584	9.378	0.017	8.199	0.011		1.011	0.016	T	0.99	0.01	L	8.2635	0.0014	0.011	105		8.24	8.29			16529+4425	I 1	1							S
82585	9.960	0.031	9.405	0.030		0.471	0.020	G	0.54	0.02	H	9.5390	0.0025	0.017	56		9.49	9.59		C			1							
82586	8.054	0.008	8.042	0.010		0.016	0.012	T	0.04	0.01	L	8.0613	0.0016	0.013	110		8.04	8.08		C			1							S
82587	5.705	0.002	5.374	0.002		0.319	0.003	T	0.37	0.00	L	5.4157	0.0006	0.006	142		5.41	5.43			16530+3142	I 1	1							S
82588	7.597	0.012	6.741	0.010		0.749	0.011	G	0.79	0.02	A	6.7934	0.0026	0.017	85		6.76	6.82	2.68	P 1 A			1							S
82589	10.829	0.050	9.821	0.033		0.880	0.045	T	0.89	0.03	L	9.9440	0.0030	0.024	116		9.90	9.99					1							
82590	9.491	0.014	8.179	0.008		1.114	0.013	T	1.08	0.01	L	8.2475	0.0014	0.015	138		8.22	8.27					1							
82591	9.556	0.014	9.121	0.014		0.380	0.015	G	0.44	0.02	H	9.1910	0.0021	0.025	154		9.15	9.24					1							
82592	8.757	0.009	8.328	0.009	*	0.405	0.012	T	0.47	0.01	L *	8.3658	0.0014	0.015	153	*	8.34	8.40		D	16531−8136	H 1	2 C	A	AB	151	0.202	0.004	0.46	0.14	S
82593	9.492	0.018	8.401	0.012		0.943	0.017	T	0.93	0.01	L	8.4559	0.0017	0.017	114		8.43	8.49		C			1							
82594	7.695	0.007	7.603	0.008		0.123	0.008	G	0.07	0.01	L	7.6190	0.0013	0.011	108		7.60	7.64					1							S
82595	10.033	0.025	8.733	0.014		1.105	0.022	T	1.07	0.02	L	8.7770	0.0017	0.014	124		8.75	8.81					1							
82596	7.643	0.011	7.581	0.013		0.115	0.005	G	0.13	0.01	H	7.5829	0.0014	0.010	58		7.57	7.60					1							S
82597	10.404	0.051	9.054	0.029		1.144	0.046	T	1.11	0.04	L	9.1629	0.0023	0.016	56		9.14	9.19		D			1							
82598	7.256	0.007	7.060	0.009		0.168	0.007	G	0.18	0.01	H	7.0787	0.0015	0.008	60		7.07	7.09		C			1							S
82599	9.657	0.028	8.985	0.025		0.600	0.001	G	0.67	0.00	H	9.0493	0.0035	0.018	70		9.02	9.08					1							
82600	8.932	0.020	8.473	0.020		0.446	0.022	T	0.52	0.02	L	8.5230	0.0026	0.014	50		8.50	8.55		C			1							

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%) δ α*	π α*	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
82601	16 53 09.80	+34 41 46.7	8.52	H	253.290 828 89	+34.696 313 34	2.18	0.25	9.55	0.63	0.81	0.90	0.66	0.91	+ 0	− 6	−17	+ 7	+ 6	− 6	+ 7	+18	− 6	−10	5	−0.22
82602	16 53 10.64	−11 40 21.0	8.12	H	253.294 352 51	−11.672 498 55	3.01	2.38	−0.19	1.18	0.80	1.23	1.69	1.24	−40	−24	− 6	+35	−22	+ 3	−14	+50	−15	−57	3	1.56
82603	16 53 12.24	+22 12 14.4	8.88	H	253.301 014 68	+22.203 996 78	3.89	−0.58	−13.89	0.85	0.97	1.31	0.83	1.16	−10	+ 6	−21	−41	+ 5	− 8	+ 0	+23	−15	− 4	0	−0.84
82604	16 53 13.40	+10 52 28.2	6.92	H	253.305 817 53	+10.874 501 26	1.35	−2.72	−9.16	0.71	0.53	0.84	0.72	0.59	+32	−35	−25	+38	+29	− 2	+30	+12	− 7	+24	2	1.47
82605	16 53 14.84	+03 01 14.7	7.75	H	253.311 845 34	+03.020 763 79	4.31	2.31	−4.63	0.96	0.62	1.03	1.05	0.74	− 3	−30	−10	+44	+ 9	− 3	+14	+50	−20	+ 4	0	0.10
82606	16 53 15.02	−29 58 53.3	8.63	H	253.312 592 44	−29.981 465 26	3.07	5.18	7.42	1.21	0.93	1.32	1.30	1.09	+ 5	−22	−27	− 1	−21	+ 5	−17	+ 9	−12	−29	0	−0.35
82607	16 53 15.85	+51 08 24.0	9.54	H	253.316 027 48	+51.140 000 87	3.56	−20.42	−9.36	0.83	0.90	0.93	0.97	1.07	+ 6	− 9	+ 2	+ 1	+20	− 9	+20	+ 7	+11	+ 8	0	−0.82
82608	16 53 16.84	+29 15 38.3	9.80	H	253.320 173 60	+29.260 647 81	1.28	−9.11	−12.69	0.89	1.01	1.37	1.01	1.17	+ 8	−17	−18	+ 2	+ 5	− 8	+ 5	+11	−11	+10	0	0.44
82609 H	16 53 17.01	+22 40 38.9	8.48	H	253.320 877 32	+22.677 474 34	A 9.79	−11.45	−14.99	1.32	1.42	1.81	1.19	1.63	−21	+ 9	−18	−46	− 8	− 9	−17	+28	−23	−10	3	0.81
82610	16 53 17.07	+22 43 16.1	8.43	H	253.321 135 52	+22.721 150 21	9.42	−9.77	−19.46	0.71	0.81	1.10	0.71	1.03	−15	+ 4	−16	−46	− 5	− 7	−10	+23	−20	−13	0	−1.32
82611	16 53 17.59	+47 24 59.4	5.99	H	253.323 300 49	+47.416 498 15	5.34	−40.83	93.55	0.45	0.49	0.53	0.50	0.59	+10	− 3	+ 0	− 4	+11	−13	+12	+ 3	+11	+ 7	0	0.68
82612	16 53 19.43	+05 51 12.0	9.72	G	253.330 953 29	+05.853 346 01	2.59	−16.42	−5.74	1.91	1.03	1.52	1.97	1.18	+41	−20	− 1	+73	+45	+11	+43	+53	−12	+26	0	1.26
82613	16 53 19.45	−44 18 03.8	8.67	H	253.331 059 44	−44.301 066 94	16.60	−54.50	−5.66	1.47	0.82	1.74	1.17	0.90	+25	−72	−26	− 3	− 3	+19	+25	+10	−31	+11	0	0.86
82614	16 53 20.08	+07 30 35.9	9.23	H	253.333 685 31	+07.509 959 68	2.74	8.49	10.47	1.39	1.00	1.50	1.91	1.23	−25	+ 4	−25	+45	−27	+ 4	−24	+44	−31	−14	0	0.47
82615	16 53 21.18	+15 24 29.1	7.59	H	253.338 234 21	+15.408 088 69	3.67	6.52	4.25	0.72	0.54	0.96	0.93	0.69	+ 9	−13	− 8	+25	+ 7	+ 6	+13	+18	−23	+29	0	−0.48
82617	16 53 23.11	−45 27 39.1	8.17	H	253.346 307 91	−45.460 847 26	1.87	−0.20	−5.64	1.41	0.86	1.33	1.69	0.99	+24	−45	−25	+35	+50	−10	+53	+53	−35	+10	0	0.44
82618	16 53 23.86	+01 20 54.0	7.57	H	253.349 420 10	+01.348 320 51	6.30	13.61	−3.20	0.97	0.60	1.07	0.93	0.68	+ 2	−45	−23	+53	− 7	− 1	+ 4	+61	−22	−14	0	0.67
82619	16 53 24.08	−82 30 42.7	9.27	H	253.350 325 32	−82.511 864 56	1.03	−5.10	−1.96	0.70	0.74	0.88	0.74	0.85	− 4	−13	+ 6	−14	− 8	−12	− 6	−23	−13	− 3	0	1.06
82620	16 53 25.09	+66 37 36.3	8.87	H	253.354 545 41	+66.626 740 20	2.81	−22.35	8.66	0.73	0.76	0.84	0.85	1.01	+11	− 1	− 3	− 6	+ 1	+ 8	+ 2	+ 7	−38	+ 4	0	−0.30
82621	16 53 25.26	−20 24 55.8	5.86	H	253.355 237 54	−20.415 488 61	35.73	−58.05	−27.26	0.89	0.67	0.96	0.92	0.82	−46	−48	+ 2	+28	−31	+ 7	−34	+58	+12	−60	0	−0.24
82622	16 53 25.36	−54 16 35.2	7.91	H	253.355 653 30	−54.276 441 29	4.85	−6.65	−25.98	0.82	0.72	1.09	1.00	0.84	+ 2	−21	−36	+22	− 7	+12	+ 4	+45	−30	−15	2	−0.72
82623 H	16 53 25.91	−36 39 35.3	8.78	H	253.357 943 72	−36.659 813 50	A 6.45	17.81	−15.50	1.83	1.48	1.96	1.88	1.49	+ 2	−23	−41	+ 6	−20	+13	−10	+ 0	−13	+ 0	2	0.44
82624	16 53 25.99	+64 11 57.2	9.65	H	253.358 287 43	+64.199 217 74	2.95	−3.32	−3.11	0.81	0.86	0.91	0.71	1.02	− 7	−18	+ 3	−32	−27	+12	−22	+ 9	− 8	−38	1	0.70
82625	16 53 26.03	−39 06 11.8	9.02	H	253.358 456 13	−39.103 289 68	0.53	−4.13	−12.66	1.34	1.07	1.73	1.32	1.02	+14	−47	−52	+ 5	−18	+20	+ 2	+33	−19	−31	0	0.35
82626	16 53 26.32	−07 27 21.2	7.97	H	253.359 680 43	−07.455 881 92	10.46	31.86	−105.51	0.94	0.61	1.04	1.00	0.69	−16	−36	− 9	+40	−21	+ 4	−16	+73	−12	−17	0	0.08
82627 H	16 53 28.91	−23 09 50.2	10.31	G	253.370 438 23	−23.163 947 61	A −10.26	16.85	−8.33	7.47	4.90	5.53	11.41	10.37	−29	−27	−25	−21	− 9	+32	+22	+10	−32	−77	2	0.54
∗82628	16 53 29.13	+23 55 39.8	8.63	H	253.371 385 12	+23.927 723 70	2.94	−61.61	−7.59	0.69	0.83	1.18	0.83	1.01	+ 8	−13	− 5	−15	+ 5	−11	+ 6	− 1	− 4	+ 0	0	0.21
∗82629	16 53 29.14	−01 07 49.5	7.84	G	253.371 401 63	−01.130 425 84	14.98	−46.33	−24.05	1.08	0.58	1.16	1.15	0.71	+17	−58	−20	+43	+ 3	−14	+13	+58	−21	+ 9	0	0.45
∗82630	16 53 29.00	+84 45 51.4	7.90	H	253.370 813 99	+84.764 264 14	4.98	−32.12	45.40	0.52	0.53	0.58	0.59	0.64	+13	−13	− 1	−11	+ 1	+ 4	+ 1	+10	−10	+18	3	−1.07
82631	16 53 29.42	+08 36 06.1	8.77	H	253.372 602 14	+08.601 697 32	2.68	5.75	−12.20	1.01	0.89	1.31	1.12	0.98	+ 6	−16	−43	+42	+11	− 1	+11	+30	− 4	−23	0	−0.59
82632	16 53 29.83	−46 19 57.8	9.18	H	253.374 279 08	−46.332 727 67	11.74	−107.86	−94.28	1.31	0.90	1.42	1.64	1.07	−22	−28	−12	+12	+19	−20	+24	+46	−23	−32	0	0.38
82633	16 53 30.41	−63 14 06.0	7.81	G	253.376 724 71	−63.235 008 30	9.41	29.40	−37.09	0.61	0.59	1.09	0.67	0.72	+15	−11	−12	−29	−40	+13	−37	+ 0	+ 6	− 5	3	0.59
82634	16 53 31.60	+26 19 12.3	8.61	H	253.381 680 12	+26.320 085 06	1.90	−2.32	−2.47	0.57	0.78	1.05	0.73	0.93	+ 2	− 9	− 7	−14	− 1	−13	− 2	−13	+ 4	− 9	0	−0.25
82635	16 53 31.62	−03 31 01.9	8.65	H	253.381 745 93	−03.517 184 94	7.18	−15.79	−15.87	0.99	0.66	1.29	0.98	0.76	−10	−44	−24	+27	−25	−14	− 9	+61	−34	−21	0	1.58
82636	16 53 32.23	+42 49 32.3	6.81	H	253.384 302 28	+42.825 646 48	21.13	121.29	−325.16	0.50	0.51	0.58	0.51	0.59	+12	−13	− 2	−20	− 2	− 1	− 3	+ 4	− 1	+16	1	0.08
82637	16 53 33.61	−51 16 18.9	9.02	H	253.390 048 70	−51.271 922 76	10.31	9.69	−32.72	1.26	1.03	1.51	1.76	1.18	−27	− 3	−29	− 8	+37	−14	+28	+16	−29	−16	0	0.87
82638	16 53 33.88	−11 44 59.0	8.98	H	253.391 163 21	−11.749 715 26	3.82	−3.67	−0.55	1.72	1.41	1.49	2.37	2.11	−65	−22	+ 1	+62	−58	− 3	−50	+80	−15	−70	0	1.68
∗82639	16 53 34.00	−32 20 40.4	9.09	H	253.391 668 91	−32.344 545 23	3.92	−19.71	7.50	1.16	0.90	1.47	1.43	0.97	−26	−16	−24	− 7	− 4	+15	− 1	+13	− 7	−30	0	1.19
∗82640	16 53 33.98	+29 31 54.0	8.80	H	253.391 567 84	+29.531 660 36	4.07	8.89	23.89	0.67	0.84	1.06	0.75	0.95	+14	− 9	−22	+23	+ 7	−15	+ 3	− 5	− 4	+ 9	2	1.77
∗82641	16 53 33.96	+43 23 27.6	8.83	H	253.391 517 71	+43.391 000 19	3.64	−45.91	36.28	0.71	0.76	0.85	0.84	0.91	+14	−24	− 4	+ 7	+ 9	− 9	+ 9	+ 7	− 5	+27	1	1.10
∗82642	16 53 33.98	−10 45 12.2	9.05	H	253.391 603 81	−10.753 390 28	6.48	61.87	40.28	1.59	1.00	1.62	2.36	1.35	−12	+11	−24	+58	− 5	+24	− 3	+64	−25	−26	0	0.66
82643	16 53 35.85	−47 31 55.1	9.55	H	253.399 363 59	−47.531 969 78	10.58	−177.70	−79.33	1.21	0.97	1.38	1.63	1.12	−21	− 5	−17	+10	+23	+ 7	+19	+56	−30	−25	0	−0.11
82644	16 53 36.28	+41 38 28.3	8.69	H	253.401 169 37	+41.641 195 05	19.29	−22.84	118.99	0.65	0.71	0.80	0.68	0.80	+15	+ 2	+ 8	− 5	+ 1	− 7	+ 3	+12	+ 6	+ 5	0	2.30
82645	16 53 37.02	+65 38 17.4	9.60	H	253.404 243 38	+65.638 169 29	0.53	7.22	6.01	0.88	0.91	0.97	0.89	1.17	+ 5	−13	− 7	−19	− 4	+ 5	− 1	+12	−25	+ 1	0	−0.41
82646	16 53 37.63	+43 47 01.4	7.53	H	253.406 782 74	+43.783 729 64	6.90	5.98	−72.17	0.56	0.58	0.66	0.72	0.73	+10	−12	− 3	− 2	− 1	− 6	− 1	+ 5	− 4	+20	0	1.19
82647	16 53 37.94	−28 24 13.2	9.65	G	253.408 085 57	−28.403 656 22	−1.55	0.45	−6.92	1.53	1.08	1.93	2.90	1.58	+15	−20	−31	− 3	+ 2	−45	− 7	−10	−20	+45	0	−1.49
82648	16 53 38.15	+74 17 30.1	7.73	H	253.408 953 61	+74.291 693 83	3.76	14.40	4.40	0.55	0.54	0.58	0.59	0.68	− 1	−10	−13	−24	+ 7	−19	+ 5	−14	+ 4	− 3	0	2.33
82649	16 53 41.37	−69 03 16.6	7.57	1 H	253.422 393 29	−69.054 618 95	3.06	10.10	−19.90	0.45	0.57	0.80	0.61	0.73	+ 4	− 8	− 5	−14	+12	− 3	+10	− 1	+ 6	+ 3	0	−0.04
82650	16 53 42.44	−43 03 03.2	5.95	2 H	253.426 820 79	−43.050 890 96	2.81	−15.13	−31.80	0.70	0.53	0.83	0.80	0.60	− 3	−31	−12	+ 0	− 1	+23	+ 8	+ 0	−17	− 3	0	−1.40
82651	16 53 43.58	+11 58 25.6	8.38	H	253.431 565 41	+11.973 783 46	5.47	11.29	−15.30	0.69	0.60	1.15	0.85	0.72	+ 7	−18	−13	+11	+21	+14	+22	+ 1	+ 9	+22	0	−0.59
82652	16 53 44.41	−40 18 59.0	8.92	H	253.435 033 83	−40.316 390 03	0.44	3.21	−2.06	1.29	1.01	1.44	1.76	1.27	−23	−27	−20	− 9	+22	−16	+14	− 6	+17	−47	0	1.44
82653	16 53 45.11	−04 19 16.5	7.57	H	253.437 956 52	−04.321 237 76	8.29	9.09	−109.39	0.87	0.55	1.04	0.97	0.62	−14	−32	− 6	+33	−16	−19	−12	+53	−15	−11	0	−0.65
82654 H	16 53 45.79	+21 10 22.4	7.34	H	253.440 779 92	+21.172 888 11	A 7.13	−18.73	21.22	0.92	0.82	1.19	0.99	0.98	+14	−11	−10	+22	+28	+11	+28	+34	+ 0	+32	0	0.70
82655	16 53 46.69	+63 05 54.5	8.55	H	253.444 532 28	+63.098 460 82	3.14	−10.46	15.41	0.62	0.62	0.66	0.62	0.73	+ 6	−19	+ 1	−10	− 6	+ 4	− 4	+ 5	− 9	+ 4	0	0.25
82656	16 53 47.53	−08 58 13.8	8.58	H	253.448 061 86	−08.970 493 30	3.81	−14.81	−28.07	1.22	0.72	1.33	1.53	0.90	− 9	−43	− 8	+14	−18	−10	−17	+63	−13	+ 3	0	1.16
∗82657	16 53 49.71	−72 06 11.0	7.58	H	253.457 125 31	−72.103 057 22	2.91	6.52	−8.26	0.42	0.54	0.73	0.50	0.61	+ 5	− 8	−12	−10	− 4	−10	− 4	+17	+ 2	− 1	0	0.18
∗82658	16 53 49.71	−70 10 15.4	7.23	G	253.457 109 10	−70.170 949 61	1.03	−4.59	−9.94	0.34	0.53	0.77	0.33	0.60	+18	−11	− 7	−15	−12	− 8	−15	− 6	+12	+14	0	−1.48
∗82659	16 53 50.08	+02 29 43.9	9.30	H	253.458 666 37	+02.495 513 94	0.77	0.40	−5.12	1.65	0.91	1.42	1.79	1.08	+22	−24	− 5	+66	+34	− 3	+38	+50	− 7	+27	2	0.68
∗82660	16 53 50.04	−54 21 48.1	7.45	H	253.458 494 50	−54.363 351 25	1.98	−24.10	−35.28	0.71	0.64	0.96	0.85	0.74	−10	−25	−31	+22	−10	+ 0	− 2	+41	−27	−29	0	−2.14
82661	16 53 50.20	−52 04 43.7	9.36	H	253.459 176 92	−52.078 791 89	13.52	20.41	−53.04	1.27	1.05	1.39	1.78	1.21	−26	−12	−11	+ 5	+25	− 5	+18	+18	− 1	−24	5	−1.10
82662 H	16 53 54.22	+25 47 04.5	9.48	H	253.475 902 01	+25.784 580 74	A 4.83	−1.61	10.68	3.31	2.78	3.61	3.97	2.82	+ 8	− 2	−14	+ 3	+ 3	−14	− 1	+13	− 6	+ 6	1	2.34
82663	16 53 55.46	−55 04 21.3	7.65	G	253.481 081 95	−55.072 591 41	10.89	−27.63	−42.68	0.65	0.60	0.89	0.85	0.76	−10	−25	−35	+14	−17	+ 3	− 6	+34	−17	−52	0	−1.61
82664	16 53 55.80	−46 54 37.6	8.12	G	253.482 506 62	−46.910 444 64	3.71	−13.87	−14.86	1.19	0.87	1.31	1.77	1.10	−28	+ 0	−14	+ 1	+12	−22	+17	+55	−11	−46	2	0.44
82665	16 53 56.94	−17 58 35.1	7.68	H	253.487 234 48	−17.976 417 26	5.63	−14.06	−22.88	0.88	0.56	0.96	0.99	0.72	−36	−33	− 1	+14	− 7	−19	+ 0	+38	− 1	−50	4	−1.76
82666	16 53 57.68	−46 55 01.2	7.92	G	253.490 321 59	−46.917 005 26	1.57	−2.24	−1.92	1.02	0.75	1.09	1.52	0.97	−30	+ 1	−16	− 3	+12	− 7	+18	+49	−18	−50	0	−0.88
82667	16 53 57.70	−25 04 09.3	8.10	H	253.490 431 39	−25.069 238 32	2.07	3.04	−3.50	1.15	0.69	1.23	1.01	0.77	−13	−59	+ 6	+ 0	−20	−11	−14	+29	+ 6	−30	0	0.73
82668	16 53 58.44	+51 01 54.6	8.22	H	253.493 511 28	+51.031 823 09	4.05	−5.38	−23.75	0.60	0.60	0.64	0.66	0.73	− 2	−12	+ 2	+ 4	+20	− 6	+22	− 2	+ 3	+ 1	0	−1.30
82669	16 53 58.85	−41 59 39.6	6.28	2 H	253.495 224 53	−41.994 321 03	−0.58	−0.21	−2.33	0.76	0.58	0.89	0.93	0.65	−16	−32	− 7	+ 8	+10	+30	+10	+18	+ 0	− 9	0	0.60
82670	16 53 59.37	−51 32 04.5	8.21	H	253.497 385 29	−51.534 577 87	3.98	−2.27	−1.97	1.05	0.80	1.22	1.50	0.90	−21	+ 5	−34	−11	+23	−12	+15	+31	−14	−18	0	0.73
82671	16 53 59.73	−42 21 43.3	4.70	2 H	253.498 863 66	−42.362 019 68	−1.13	−0.48	−2.17	0.75	0.61	0.90	1.03	0.68	−27	−15	−12	+12	− 5	+38	− 1	+24	−10	−19	0	0.24
82672	16 54 00.40	−57 54 33.2	5.91	1 H	253.501 684 81	−57.909 209 25	4.74	−40.80	−122.49	0.53	0.52	0.79	0.65	0.60	−30	−15	−22	+10	−19	+ 8	−13	+27	−13	−51	0	−1.88
82673	16 54 00.50	+10 09 55.6	4.39	H	253.502 097 43	+10.165 443 39	13.95	−53.75	−34.68	0.59	0.47	0.72	0.71	0.61	+ 3	−23	−19	+28	+ 2	− 6	+ 4	+20	−14	− 7	0	−1.60
82674	16 54 01.02	−18 44 36.1	8.65	H	253.504 253 84	−18.743 356 16	3.48	−6.21	−7.32	1.27	0.74	1.25	1.57	0.90	− 7	−31	+ 8	+40	+21	−11	+20	+48	+ 1	−12	0	−0.71
82675	16 54 01.68	+04 53 10.1	10.06	G	253.507 017 98	+04.886 151 25	4.95	6.36	1.80	1.75	1.14	2.01	2.70	1.53	+10	−23	−21	+28	+ 0	−23	+ 4	+48	−43	+32	0	0.57
82676 H	16 54 01.84	−41 48 23.0	5.46	1 H	253.507 659 01	−41.806 383 05	A 0.55	−1.75	−2.47	1.44	1.02	1.20	1.39	0.90	−18	−23	−11	− 5	+10	+12	+ 8	+10	+ 0	−10	0	0.83
82677	16 54 01.86	+60 21 44.3	7.04	G	253.507 752 34	+60.362 297 29	1.58	15.61	−12.32	0.58	0.53	0.58	0.77	0.66	− 3	−14	+ 0	−28	+ 5	+14	+ 8	+ 5	−12	− 9	0	−0.54
82678	16 54 02.54	−54 26 17.8	6.93	H	253.510 585 89	−54.438 278 72	3.40	−10.42	−13.91	0.65	0.57	0.86	0.76	0.65	−15	−20	−25	+24	− 9	+ 2	− 3	+39	−21	−31	0	−0.52
82679	16 54 03.12	+61 38 47.4	8.18	H	253.512 981 04	+61.646 492 16	11.17	23.44	34.23	0.61	0.61	0.64	0.62	0.72	+ 3	−13	− 6	+18	+ 6	−10	+ 7	+12	− 7	+ 6	0	1.03
82680 H	16 54 03.27	+08 25 58.5	7.76	G	253.513 624 55	+08.432 904 69	A 6.78	−35.32	−6.78	2.60	2.41	2.33	2.56	2.59	+ 8	−19	−27	+34	+ 5	−13	− 2	+16	− 6	−41	0	0.82
82681	16 54 03.30	+63 52 14.1	7.89	H	253.513 768 07	+63.870 583 93	4.26	13.15	−13.52	0.55	0.57	0.61	0.50	0.65	− 3	−19	+ 6	−27	−20	+11	−19	+ 5	− 3	−20	1	0.79
82682	16 54 04.19	−30 07 22.9	9.64	H	253.517 443 57	−30.123 034 26	7.91	2.80	−6.24	1.46	1.08	1.63	1.69	1.26	− 3	−28	−29	− 1	−12	+ 4	− 9	+12	− 3	−29	0	0.18
82683	16 54 04.25	+52 59 32.4	9.40	H	253.517 719 23	+52.992 320 94	−0.20	−14.28	27.22	0.80	0.92	0.92	0.82	1.09	− 6	− 1	+ 9	− 6	+ 5	−10	+11	+17	+ 2	−20	0	0.78
82684	16 54 04.67	−16 24 31.1	9.69	H	253.519 437 61	−16.408 626 69	4.83	1.19	−16.97	1.70	1.09	1.99	2.48	1.51	−37	+ 7	−30	+21	− 5	+ 0	− 6	+50	−28	−41	0	−1.68
82685	16 54 05.30	−41 04 46.1	7.32	H	253.522 075 44	−41.079 472 71	−0.10	−0.16	−0.79	0.92	0.62	1.02	0.87	0.67	− 8	−51	−12	+ 6	+ 4	− 2	+ 7	+ 7	− 8	−19	0	−0.27
82686	16 54 05.45	+27 35 27.8	7.99	H	253.522 696 12	+27.591 044 77	3.95	2.31	8.07	0.56	0.69	0.96	0.75	0.88	+ 5	− 6	− 8	− 6	+ 0	− 5	+ 1	+ 2	−14	− 2	1	−0.29
82687	16 54 06.61	+01 07 50.2	8.34	H	253.527 523 57	+01.130 614 73	3.47	−9.20	6.77	1.13	0.69	1.18	1.17	0.80	+ 0	−33	+ 0	+53	+ 0	− 2	+ 6	+56	−18	− 5	0	0.33
82688	16 54 08.17	−04 20 23.7	7.82	G	253.534 024 17	−04.339 905 66	20.99	−38.65	−114.03	1.02	0.73	1.17	1.13	0.86	−23	−39	+ 3	+44	−36	−25	−25	+73	− 8	−31	0	−0.58
82689	16 54 09.05	+01 51 13.0	8.61	H	253.537 728 19	+01.853 624 51	2.98	−7.22	−42.59	1.18	0.73	1.25	1.19	0.84	+10	−37	−15	+45	+16	−17	+18	+44	−10	+ 9	2	0.78
82690	16 54 09.33	+47 14 43.7	9.12	H	253.538 854 70	+47.245 482 06	11.96	−112.57	170.76	0.76	0.86	0.93	0.89	1.06	+10	− 3	− 6	+ 4	+ 5	−19	+ 5	+ 7	+15	− 8	0	0.92
82691	16 54 10.06	−41 49 30.1	6.07	2 H	253.541 925 41	−41.825 032 71	A −1.37	0.42	−2.86	1.46	0.96	1.43	1.35	1.01	− 7	−47	− 6	+ 2	+ 4	+20	+10	+ 9	− 7	+ 4	23	0.87
82692	16 54 10.09	+15 37 24.5	7.20	H	253.542 022 59	+15.623 481 42	8.62	−15.89	−12.54	0.61	0.54	0.88	0.76	0.66	+ 5	−16	−12	+11	+ 4	−14	+ 4	+23	−22	+28	0	−1.19
82693	16 54 10.60	−01 36 43.6	6.25	H	253.544 166 98	−01.612 109 63	13.70	9.62	−80.15	0.87	0.50	0.96	0.93	0.59	+ 3	−47	− 7	+42	− 6	+ 7	+ 0	+63	−11	+ 1	0	−1.14
82694	16 54 12.36	+11 54 50.1	10.75	G	253.551 486 51	+11.913 913 70	52.43	−544.83	315.73	1.21	1.10	1.97	1.42	1.24	+ 1	−23	−17	+ 0	+24	− 1	+25	−11	− 7	+12	3	−0.92
82695	16 54 13.31	−56 15 54.0	11.01	3 H	253.555 458 78	−56.265 013 83	−11.62	3.77	1.31	2.80	1.52	4.42	2.87	2.17	+16	−77	−20	+54	+31	−51	+45	+21	−42	+11	0	−2.24
82696	16 54 14.47	+06 40 30.2	11.18	G	253.560 296 27	+06.675 069 00	5.11	−2.38	−31.85	2.78	1.64	2.74	3.21	1.99	+16	−41	−30	+73	+ 9	−18	+24	+58	−36	+14	0	−1.36
82697	16 54 14.95	−28 06 53.4	9.23	H	253.562 297 66	−28.114 835 50	12.94	15.61	−44.73	1.44	1.02	1.50	2.44	1.63	+25	− 9	− 9	−15	−26	−38	−32	− 2	− 9	+32	0	0.04
82698	16 54 16.59	−58 14 58.8	8.55	1 H	253.569 136 80	−58.249 674 47	2.35	−4.62	−13.48	0.71	0.72	1.16	0.97	0.90	−40	− 5	−19	− 8	−10	+ 9	− 5	+12	− 6	−52	0	0.35
82699	16 54 17.93	−06 42 42.4	7.97	2 H	253.574 709 56	−06.711 788 40	2.24	−2.56	−12.75	0.97	0.70	1.10	1.18	0.80	−26	−14	−33	+48	−38	+27	−25	+77	−34	−38	0	0.72
82700	16 54

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
82601	9.760	0.016	8.611	0.011		0.987	0.015	T	0.97	0.01	L	8.6882	0.0017	0.018	139		8.65	8.72		C			1							
82602	8.536	0.013	8.160	0.013		0.356	0.017	T	0.42	0.02	L	8.2069	0.0021	0.013	70		8.18	8.23		C			1							S
82603	10.262	0.024	8.995	0.015		1.079	0.022	T	1.04	0.02	L	9.0450	0.0021	0.024	128		8.99	9.08					1							
82604	8.864	0.012	7.069	0.006		1.495	0.011	T	1.52	0.02	L	7.0477	0.0010	0.012	105		7.03	7.07					1							S
82605	9.005	0.015	7.862	0.010		0.983	0.014	T	0.96	0.01	L	7.9127	0.0013	0.011	87		7.89	7.93					1							S
82606	10.053	0.032	8.757	0.019		1.102	0.029	T	1.06	0.03	L	8.8000	0.0028	0.017	52		8.78	8.83		C			1							
82607	10.161	0.028	9.567	0.025		0.554	0.033	T	0.63	0.03	L	9.6577	0.0021	0.024	113		9.62	9.69					1							
82608	11.212	0.046	9.942	0.026		1.082	0.041	T	1.04	0.03	L	9.9675	0.0029	0.031	149		9.90	10.01					1							
82609	9.022	0.010	8.526	0.010	A	0.600	0.495	G	0.47	0.03	L *	8.5680	0.0022	0.021	152	*	8.54	8.61			16533+2241	I 1	2 C	C	AB	149	2.075	0.047	3.42	0.17	S
82610	9.003	0.010	8.477	0.009		0.494	0.012	T	0.57	0.01	L	8.5340	0.0018	0.021	157		8.50	8.57					1							S
82611	7.713	0.007	6.133	0.004		1.325	0.006	T	1.29	0.01	L	6.1449	0.0012	0.009	117		6.13	6.16					1							S
82612	10.202	0.033	9.818	0.036		0.448	0.015	G	0.52	0.02	H	9.8335	0.0025	0.022	80		9.79	9.87		C			1							
82613	9.351	0.025	8.714	0.023		0.586	0.025	T	0.66	0.02	L	8.7926	0.0028	0.012	46		8.77	8.82		C			1							
82614	11.026	0.065	9.353	0.025		1.160	0.040	G	1.12	0.04	R	9.3993	0.0026	0.024	72		9.36	9.44					1							
82615	7.625	0.007	7.593	0.008		0.034	0.010	T	0.05	0.01	L	7.6053	0.0013	0.011	98		7.58	7.63		C			1							S
82617	8.185	0.011	8.163	0.014		0.025	0.016	T	0.04	0.01	L	8.1822	0.0017	0.011	68		8.16	8.21		C			1							
82618	8.015	0.010	7.619	0.012		0.418	0.004	G	0.48	0.00	H	7.6698	0.0015	0.013	95		7.65	7.69					1							S
82619	10.327	0.026	9.388	0.019		0.829	0.024	T	0.85	0.02	L	9.4248	0.0016	0.019	137		9.38	9.47					1							
82620	10.508	0.031	8.999	0.016		1.269	0.027	T	1.23	0.03	L	9.0341	0.0020	0.017	100		9.00	9.06					1							
82621	6.717	0.004	5.945	0.004		0.685	0.004	G	0.74	0.02	A	6.0013	0.0011	0.006	65		5.99	6.01					1 G							S
82622	8.123	0.012	7.932	0.016		0.183	0.019	T	0.20	0.02	L	7.9683	0.0015	0.009	77		7.95	7.98		C			1							S
82623	10.202	0.043	8.946	0.026	A	0.774	0.096	G	0.91	0.05	L *	8.9381	0.0029	0.020	57	*	8.91	8.97		C	16534−3640	H 1	2 C	D	AB	10	4.258	0.047	3.50	0.24	D
82624	11.166	0.060	9.732	0.028		1.210	0.052	T	1.17	0.05	L	9.8196	0.0027	0.022	106		9.79	9.86		C			1							
82625	9.287	0.024	9.085	0.029		0.382	0.015	G	0.45	0.02	H	9.1124	0.0023	0.014	47		9.08	9.14		C			1							
82626	8.585	0.009	8.024	0.009		0.525	0.011	T	0.60	0.01	L	8.0813	0.0010	0.010	130		8.07	8.11					1							S
82627	11.554	0.186	10.866	0.161	*	0.782	0.015	G	0.82	0.01	H *	10.4512	0.0048	0.035	38	*	10.40	10.49		D	16535−2310	H 1	2 C	D	AB	154	0.971	0.016	0.03	0.07	G D
82628	9.893	0.021	8.726	0.013		1.001	0.019	T	0.98	0.01	L	8.7937	0.0017	0.021	155		8.75	8.82					1							
82629	8.466	0.013	7.886	0.012		0.544	0.015	G	0.62	0.01	H	7.9548	0.0010	0.009	91		7.94	7.98		C			1							S
82630	8.090	0.007	7.903	0.008		0.179	0.010	T	0.20	0.01	L	7.9584	0.0015	0.014	129		7.94	7.98					1							S
82631	10.560	0.044	8.887	0.019		1.398	0.038	T	1.37	0.05	L	8.9218	0.0027	0.019	73		8.90	8.95					1							
82632	10.076	0.025	9.273	0.021		0.711	0.025	T	0.77	0.02	L	9.3197	0.0023	0.014	84		9.30	9.34		C			1							
82633	8.052	0.007	7.840	0.008		0.191	0.015	G	0.21	0.02	H	7.8770	0.0011	0.015	164		7.86	7.91					1							S
82634	10.047	0.018	8.728	0.011		1.120	0.017	T	1.08	0.02	L	8.7778	0.0017	0.019	165		8.75	8.82		C			1							
82635	9.139	0.016	8.692	0.016		0.433	0.015	G	0.50	0.02	H	8.7474	0.0015	0.015	99		8.73	8.78		C			1							
82636	7.585	0.006	6.887	0.006		0.631	0.007	G	0.70	0.01	H	6.9407	0.0007	0.008	122		6.93	6.96		C			1							S
82637	9.571	0.027	9.089	0.028		0.466	0.030	T	0.54	0.03	L	9.1189	0.0031	0.017	66		9.08	9.16					1							
82638	9.420	0.021	9.018	0.022		0.370	0.020	G	0.43	0.02	H	9.0659	0.0020	0.015	69		9.04	9.12					1							
82639	9.800	0.032	9.161	0.029		0.587	0.032	T	0.66	0.03	L	9.2196	0.0033	0.019	61		9.19	9.27					1 G							
82640	10.291	0.024	8.929	0.013		1.154	0.021	T	1.12	0.02	L	8.9648	0.0019	0.021	154		8.93	9.00					1							
82641	9.883	0.022	8.922	0.016		0.845	0.020	T	0.86	0.01	L	8.9855	0.0019	0.017	118		8.96	9.02					1							
82642	9.916	0.031	9.119	0.025		0.722	0.031	T	0.77	0.02	L	9.1959	0.0017	0.017	76		9.17	9.23		C			1 S							
82643	10.215	0.029	9.600	0.027		0.570	0.029	T	0.64	0.03	L	9.6727	0.0018	0.017	111		9.64	9.70		C			1							G
82644	9.487	0.016	8.765	0.014		0.663	0.017	T	0.72	0.01	L	8.8231	0.0016	0.018	114		8.79	8.85		C			1							
82645	11.524	0.103	9.743	0.032		1.484	0.085	T	1.50	0.13	L	9.7357	0.0026	0.022	83		9.69	9.78		C			1							
82646	9.055	0.012	7.651	0.007		1.187	0.011	T	1.15	0.01	L	7.6912	0.0014	0.011	109		7.67	7.71		C			1							S
82647	9.560	0.024	9.634	0.038		0.013	0.004	G	0.03	0.00	H	9.6632	0.0034	0.020	50		9.60	9.71		C			1							G
82648	8.160	0.009	7.757	0.009		0.389	0.009	G	0.45	0.01	H	7.8156	0.0012	0.010	107		7.80	7.84		C			1							S
82649	9.732	0.018	7.768	0.007		1.664	0.016	T	2.00	0.04	O	7.6531	0.0019	0.020	179		7.63	7.69		U			1							S
82650	8.172	0.015	6.234	0.015		1.643	0.017	T	2.92	0.05	O	5.8791	0.0076	0.071	58		5.71	5.96		U 2			1 S							S
82651	9.493	0.014	8.459	0.010		0.900	0.013	T	0.90	0.01	L	8.5372	0.0012	0.014	137		8.51	8.56		D			1							
82652	9.078	0.018	8.996	0.023		0.160	0.007	G	0.18	0.01	H	8.9762	0.0032	0.024	55		8.93	9.01					1							
82653	9.015	0.016	7.699	0.010		1.118	0.015	T	1.08	0.02	L	7.7400	0.0014	0.012	98		7.72	7.75					1							S
82654	8.692	0.014	7.437	0.008	*	1.070	0.012	T	1.03	0.01	L *	7.5021	0.0012	0.013	120	*	7.48	7.53		D	16538+2110	I 1	2 C	A	AB	313	5.975	0.016	3.01	0.07	
82655	8.728	0.012	8.566	0.013		0.156	0.017	T	0.17	0.02	L	8.6002	0.0014	0.016	110		8.58	8.64		C			1							S
82656	10.101	0.027	8.755	0.015		1.141	0.024	T	1.10	0.03	L	8.7508	0.0012	0.012	97		8.73	8.77		C			1							
82657	9.245	0.011	7.721	0.006		1.281	0.010	T	1.24	0.01	L	7.7343	0.0010	0.012	192		7.71	7.76					1							S
82658	7.088	0.003	7.216	0.004		−0.103	0.002	G	−0.09	0.00	H	7.2024	0.0009	0.012	271		7.18	7.23					1							S
82659	11.002	0.057	9.403	0.024		1.340	0.049	T	1.30	0.06	L	9.4515	0.0022	0.020	87		9.42	9.48		C			1							
82660	9.139	0.021	7.603	0.011		1.290	0.019	T	1.25	0.02	L	7.6086	0.0012	0.009	83		7.59	7.62		C			1							
82661	10.136	0.042	9.378	0.035		0.676	0.041	T	0.74	0.03	L	9.4931	0.0030	0.020	69		9.45	9.52		C			1							
82662	10.129	0.020	9.605	0.019	*	0.492	0.025	T	0.56	0.03	L *	9.5892	0.0027	0.030	175	*	9.55	9.65		D	16539+2547	I 1	2 C	A	AB	92	0.553	0.003	0.04	0.01	
82663	8.101	0.010	7.701	0.010		0.405	0.003	G	0.47	0.00	H	7.7442	0.0015	0.012	103		7.72	7.76					1							S
82664	8.400	0.011	8.122	0.012		0.260	0.015	G	0.29	0.02	H	8.1861	0.0023	0.017	112		8.15	8.21		D	16539−4655	I 2	1							
82665	9.439	0.014	7.844	0.007		1.337	0.012	T	1.30	0.01	L	7.8288	0.0009	0.012	118		7.81	7.85					1							
82666	8.005	0.009	7.907	0.010		0.120	0.015	G	0.13	0.01	H	7.9611	0.0013	0.013	113		7.93	7.99		D	16539−4655	I 2	1							S
82667	8.126	0.011	8.105	0.013		0.020	0.015	T	0.04	0.01	L	8.1130	0.0023	0.011	52		8.08	8.13					1							S
82668	9.642	0.017	8.324	0.010		1.119	0.015	T	1.08	0.02	L	8.3885	0.0014	0.013	117		8.37	8.42		C			1							
82669	6.880	0.010	6.389	0.010		0.462	0.013	T	0.74	0.03	C	6.4145	0.0036	0.030	59		6.37	6.46		U 2			1							S P
82670	8.322	0.013	8.247	0.016		0.068	0.019	T	0.08	0.02	L	8.2376	0.0029	0.019	64		8.20	8.26					1							
82671	5.288	0.004	4.817	0.004		0.444	0.005	T	0.71	0.02	A	4.8394	0.0035	0.023	57		4.78	4.88		U 2 C			1							S
82672	7.980	0.009	6.104	0.004		1.592	0.008	T	1.88	0.03	O	6.0069	0.0021	0.019	117		5.98	6.03		U 2			1 S							S P
82673	4.246	0.002	4.352	0.002		−0.088	0.004	G	−0.13	0.03	C	4.3400	0.0007	0.006	91		4.33	4.35					1							S
82674	10.464	0.042	8.838	0.018		1.361	0.036	T	1.33	0.04	L	8.7958	0.0021	0.015	91		8.77	8.83		C			1							
82675	10.778	0.056	10.102	0.050		0.630	0.020	G	0.70	0.02	H	10.1834	0.0036	0.028	70		10.11	10.24					1							G
82676	5.626	0.010	5.442	0.007	*	0.176	0.011	T	0.19	0.01	L *	5.5200	0.0014	0.011	56	*	5.50	5.54		U 2	16540−4148	I 1	2 C	B	AB	75	0.513	0.010	2.27	0.03	S D
82677	8.712	0.012	7.161	0.007		1.310	0.015	G	1.27	0.02	H	7.1842	0.0012	0.009	100		7.17	7.20		C			1 G							S
82678	6.942	0.007	6.932	0.007		0.009	0.015	G	0.03	0.01	H	6.9450	0.0012	0.009	83		6.93	6.96		C			1							S
82679	8.985	0.013	8.249	0.011		0.676	0.015	G	0.74	0.01	H	8.3143	0.0014	0.015	112		8.29	8.35					1							S
82680	8.533	0.012	7.845	0.010	*	0.604	0.015	G	0.67	0.01	H *	7.8932	0.0016	0.013	78	*	7.87	7.92		D	16541+0826	H 1	2 C	A	AB	148	0.539	0.003	0.15	0.01	S
82681	9.011	0.013	7.981	0.010		0.897	0.012	T	0.90	0.01	L	8.0473	0.0013	0.012	109		8.03	8.07					1							S
82682	10.280	0.047	9.716	0.046		0.509	0.020	G	0.58	0.02	H	9.7540	0.0024	0.027	61		9.71	9.79		C			1							G
82683	11.126	0.062	9.504	0.025		1.358	0.053	T	1.33	0.06	L	9.5420	0.0019	0.023	102		9.51	9.59					1							
82684	11.992	0.149	10.056	0.042		1.641	0.128	T	1.94	0.23	K	9.7751	0.0033	0.027	84		9.73	9.81					1 S							G
82685	7.494	0.012	7.354	0.013		0.135	0.017	T	0.15	0.02	L	7.3747	0.0012	0.010	50		7.35	7.39					1							S
82686	9.253	0.013	8.097	0.009		0.970	0.015	G	0.95	0.01	H	8.1503	0.0014	0.015	140		8.13	8.18					1							S
82687	9.725	0.022	8.487	0.014		1.057	0.020	T	1.02	0.02	L	8.5028	0.0023	0.015	91		8.48	8.54					1							
82688	8.537	0.013	7.897	0.011		0.591	0.015	G	0.66	0.01	H	7.9537	0.0021	0.016	98		7.93	7.98					1							S
82689	10.037	0.027	8.732	0.016		1.109	0.025	T	1.07	0.03	L	8.7767	0.0017	0.015	85		8.76	8.80					1							
82690	10.109	0.026	9.201	0.019		0.791	0.025	T	0.82	0.02	L	9.2577	0.0019	0.020	108		9.22	9.30		C			1							
82691	6.172	0.009	6.042	0.010	A	0.126	0.012	T	0.14	0.01	L	6.1178	0.0129	0.033	57	A	6.09	6.23	5.82	P 1 A	16542−4150	I 1	2 C	D	AB	132	13.518	0.075	3.75	0.40	S D D
82692	7.768	0.009	7.247	0.007		0.489	0.010	T	0.56	0.01	L	7.3061	0.0012	0.010	98		7.29	7.32		C			1							S
82693	6.588	0.005	6.280	0.004		0.283	0.003	G	0.32	0.00	H	6.3238	0.0010	0.009	93		6.31	6.34			16542−0137	I 1	1 S							S
82694	12.584	0.219	10.873	0.069		1.405	0.013	G	1.79	0.02	A	10.8419	0.0027	0.030	128		10.79	10.90		C			1							G
82695	12.119	0.241	10.962	0.143		0.999	0.231	T	2.91	1.20	Q	10.9405	0.1247	1.356	93		9.42	12.79	294.30	P 1 A			1							G
82696	11.980	0.157	10.957	0.098		0.630	0.020	G	0.70	0.02	H	11.3016	0.0050	0.042	79		11.23	11.35		C			1 G							G
82697	10.014	0.037	9.276	0.031		0.661	0.037	T	0.72	0.03	L	9.3634	0.0026	0.019	54		9.33	9.39		C			1 S							
82698	8.766	0.010	8.564	0.012		0.193	0.015	T	0.21	0.02	L	8.6097	0.0016	0.016	121		8.58	8.64		M			1							
82699	10.481	0.031	8.284	0.010		1.815	0.026	T	1.84	0.03	L	8.0594	0.0014	0.016	116		8.03	8.09		U 2			1 S							
82700	8.353	0.008	7.992	0.009		0.342	0.011	T	0.40	0.01	L	8.0352	0.0013	0.012	135		8.02	8.05		C			1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)													Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$			F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr														%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28			29	30
82701	16 54 17.97	−14 21 05.6	8.93	H	253.574 879 41	−14.351 567 96		7.80	−26.23	−32.06	1.11	0.82	1.22	1.42	1.04	−40	+10	−25	+30	−22	+13	−21	+59	−32	−42			0	2.06
82702	16 54 18.78	+46 32 20.7	6.86	H	253.578 258 25	+46.539 086 23		8.08	8.29	−35.99	0.52	0.51	0.59	0.56	0.63	+	6	−11	−	9	−	1	+13	−20	+14	+10	+	8	−	7	0	−0.54
82703	16 54 18.96	+43 24 23.0	7.05	H	253.578 987 76	+43.406 391 21		5.29	−18.22	2.53	0.53	0.56	0.63	0.60	0.67	+14	−15	−	2	−	4	+	2	−10	+	2	+	1	−	7	+25	1	−1.93
82704	16 54 19.00	−19 21 59.0	9.63	H	253.579 164 65	−19.366 400 43		3.71	−10.88	−6.90	1.62	1.06	1.76	1.91	1.21	−25	−39	−	7	+	2	+	7	+17	+	8	+10	−	5	−28	2	1.87
82705	16 54 19.07	−26 17 55.8	9.77	H	253.579 470 55	−26.298 834 40		−1.99	1.79	−6.71	1.61	1.12	1.72	1.78	1.34	−17	−42	−10	+18	−25	+	3	−18	+47	−12	−19			0	1.45
82706	16 54 19.70	−41 49 11.5	6.61	H	253.582 081 93	−41.819 864 08		−0.59	−0.33	−1.83	0.79	0.60	0.91	0.94	0.66	−22	−36	+	3	+	5	+	8	+27	+	6	+16	+	0	−	7	3	1.02
82707	16 54 20.10	+30 26 30.2	8.11	H	253.583 767 21	+30.441 715 16		5.97	30.57	−17.53	0.55	0.63	0.88	0.61	0.76	+	2	−13	−20	+	9	−	6	−	8	−	5	+10	−29	−	9	0	1.97
82708	16 54 20.70	−25 49 45.4	7.21	H	253.586 263 94	−25.829 286 43		15.27	−73.50	−39.44	1.06	0.66	1.16	1.01	0.74	−13	−57	−	1	+19	−	9	+11	−	3	+49	−11	−	8	0	1.55
82709 H	16 54 22.12	−38 05 53.5	8.40	H	253.592 160 46	−38.098 194 68	*	16.46	−59.71	−57.72	1.48	4.80	1.51	1.62	1.38	−33	−15	−10	+	6	−12	−18	−	9	+25	+	3	−54	4	0.30
82710	16 54 22.97	+16 50 13.4	9.65	3 H	253.595 690 31	+16.837 067 40		1.79	1.85	−35.22	0.85	0.78	1.27	1.27	1.00	−10	−17	+	0	+41	+11	−	3	+12	+27	+	8	+17			2	0.34
82711	16 54 23.18	−44 53 30.6	7.41	H	253.596 583 34	−44.891 843 65		4.01	−8.22	−15.98	1.15	0.63	1.15	1.18	0.74	+25	−46	−16	+48	+39	+	1	+50	+56	−41	+27			0	−0.03
82712	16 54 24.72	+18 44 36.6	8.52	H	253.602 992 19	+18.743 486 22		25.33	−24.64	2.83	0.74	0.63	1.17	0.92	0.79	+	6	−16	−13	−	8	+28	−27	+22	+	7	−30	+56			0	−0.09
82713	16 54 25.92	+27 09 05.1	9.88	H	253.608 018 13	+27.151 419 99		12.24	−0.12	−230.90	0.85	1.22	1.53	1.08	1.57	−	3	+	1	−13	−	6	+	5	−	5	+	5	−	9	−11	0	1.43
82714	16 54 26.40	−33 28 31.0	7.03	H	253.610 003 47	−33.475 285 56		8.99	−7.01	−28.69	0.81	0.62	0.94	0.84	0.66	−14	−28	−30	+11	−19	−	4	−17	+26	−	9	−34			3	1.14
82715	16 54 26.91	−04 09 49.6	7.58	G	253.612 141 96	−04.163 780 34		4.65	−8.26	14.90	0.86	0.58	1.03	0.97	0.67	−15	−28	−14	+25	−18	−16	−14	+55	−23	−13			0	−1.17
82716	16 54 26.94	−42 28 44.0	5.84	H	253.612 255 69	−42.478 875 50		−0.27	0.57	−6.33	0.75	0.62	0.87	0.91	0.70	−27	−19	−13	−	1	−	7	+23	+	0	+	3	−21	−31		0	1.12
82717	16 54 27.04	−30 43 10.7	8.10	H	253.612 653 05	−30.719 643 31		1.64	0.11	−4.20	1.11	0.78	1.19	1.25	0.87	−	4	−35	−23	+27	−	9	+	5	−	4	+29	−	9	−22	0	1.03
*82718	16 54 28.51	+70 27 50.7	6.99	H	253.618 798 09	+70.464 095 45		4.08	−4.85	−35.29	0.52	0.49	0.53	0.57	0.63	−	9	−	5	−	7	−22	+14	−21	+13	−	2	+	2	−	5	0	0.16
*82719	16 54 28.50	+36 40 48.2	8.96	H	253.618 747 56	+36.680 048 92		1.17	12.72	−29.59	0.60	0.66	0.80	0.69	0.74	+11	−14	−20	−11	+10	−18	+	6	−12	+	8	+	7			1	0.76
*82720	16 54 28.30	+83 30 22.0	9.73	2 H	253.617 928 39	+83.506 102 68		0.97	−1.32	−1.49	0.73	0.78	0.84	0.87	1.02	−	4	−17	+	0	−	6	−	4	+	5	−	2	−	6	−13	−	5	0	0.20
82721	16 54 30.64	+19 05 59.4	9.24	H	253.627 657 77	+19.099 831 23		5.19	−6.40	11.26	0.85	0.80	1.39	1.21	1.09	−	3	−10	−21	+	9	+27	−20	+27	+	7	−34	+43			0	−0.61
82722	16 54 30.80	−14 34 58.4	9.66	H	253.628 347 47	−14.582 884 82		25.17	−241.86	−149.16	1.30	0.89	1.38	1.44	1.10	−13	−17	+	4	+18	−	2	+	0	+	5	+48	−	1	−30	0	−0.76
82723	16 54 31.55	−49 42 38.8	6.49	H	253.631 475 03	−49.710 789 63		2.32	0.24	−4.45	0.72	0.54	0.88	0.78	0.57	−17	−15	−15	+	4	+	1	−13	+	3	+36	−21	−20			0	−0.29
82724	16 54 31.73	−62 24 00.8	11.85	H	253.632 228 15	−62.400 233 61	A	109.57	294.47	205.48	13.91	13.46	20.12	13.96	13.79	+20	−	4	+21	−31	−44	+	8	−46	−	7	+	6	+	7	5	1.45
82725	16 54 32.15	−62 24 13.5	11.72	H	253.633 947 70	−62.403 741 41	B	203.01	254.79	173.56	42.36	41.66	29.27	22.09	21.64	−12	−	7	+14	−	4	−46	+	6	−45	+23	+	7	−12			5	1.45
82726	16 54 33.22	−63 27 20.1	7.44	1 H	253.638 431 48	−63.455 579 14		5.70	−0.32	−15.15	0.62	0.57	1.03	0.65	0.67	+18	−16	−11	−29	−27	+	5	−25	+	4	+	2	+	6			0	−0.02
82727	16 54 33.34	−66 29 32.0	9.11	H	253.638 914 59	−66.492 214 90		5.88	−10.53	1.36	0.77	0.84	1.20	0.81	0.86	−	4	−20	−	6	+16	−28	−	7	−27	+	7	−	7	−16	0	1.61
82728	16 54 33.58	−13 07 49.2	9.30	H	253.639 923 85	−13.130 325 49		1.30	−20.97	16.38	1.54	1.17	1.67	2.26	1.77	−29	−	6	−14	+43	−32	+27	−17	+73	−29	−54			0	1.12
82729	16 54 35.11	−42 21 38.7	3.62	G	253.646 271 56	−42.360 759 16		21.67	−126.55	−227.77	0.73	0.60	0.85	0.92	0.67	−29	−18	−20	+	8	−17	+32	−	7	+27	−19	−39			0	1.21
82730	16 54 35.71	−06 09 14.1	5.23	H	253.648 798 10	−06.153 928 97		13.14	−30.23	−21.86	0.73	0.48	0.77	0.87	0.57	−16	−20	−19	+43	−20	+11	−13	+63	−21	−23			0	−0.91
82731	16 54 35.94	−30 35 14.4	6.34	G	253.649 749 43	−30.587 337 00		5.17	29.45	−1.45	0.82	0.59	0.91	0.98	0.66	−	6	−32	−22	+24	−	8	+16	−	4	+33	−	4	−15		0	0.07
82732	16 54 36.48	−31 20 04.6	8.30	H	253.651 999 87	−31.334 613 22		14.80	−6.63	22.43	1.19	0.77	1.30	1.30	0.82	+14	−42	−26	+	8	+	1	+	2	+	3	+14	−	3	+	2	0	−0.85
82733	16 54 36.81	+07 20 25.2	9.33	G	253.653 381 08	+07.340 324 04		16.90	183.51	−184.13	1.52	1.11	1.67	1.96	1.29	−15	−20	−39	+53	−19	−	1	−15	+49	−24	−25			0	2.90
82734	16 54 38.39	−21 52 46.5	8.02	G	253.659 975 58	−21.879 584 79		0.34	1.90	−7.19	0.94	0.70	1.01	1.34	0.95	−16	−10	−	2	+12	−	2	−	5	−	2	+31	+11	−27		6	−0.22
82735	16 54 38.90	−36 13 30.7	8.09	H	253.662 100 18	−36.225 199 94		0.86	3.38	−10.44	1.09	0.86	1.25	1.20	1.03	−21	−20	−14	+24	−28	+	0	−21	+23	−30	−21			0	0.81
82736	16 54 39.85	−25 13 46.9	9.81	G	253.666 022 10	−25.229 703 06		4.77	−7.17	−7.59	1.99	1.14	2.14	1.93	1.38	−	6	−63	−	1	+14	+	1	−	1	−	6	+36	+12	−18		0	−0.92
82737	16 54 40.22	−11 47 32.8	6.57	G	253.667 570 22	−11.792 432 37		11.03	16.26	−12.81	0.94	0.73	0.89	1.42	1.15	−55	−	4	−14	+39	−36	+12	−31	+58	−19	−65			0	1.32
82738	16 54 40.42	−32 11 24.3	7.68	H	253.668 427 33	−32.190 082 01		18.04	59.87	−30.01	0.92	0.64	1.05	0.97	0.70	−10	−38	−26	−	3	−12	+	2	−	5	+19	−	7	−35		0	0.21
82739	16 54 40.69	−35 13 29.0	11.78	G	253.669 560 73	−35.224 733 81		30.54	20.20	−89.79	3.07	2.36	3.47	3.35	2.61	+	1	−28	−12	+	0	−	1	−	9	+	0	−15	−10	−	3	0	−0.13
82740 H	16 54 41.75	−43 33 36.1	7.07	G	253.673 955 41	−43.560 023 37	B	3.72	−0.81	8.72	4.16	3.39	2.69	2.18	1.52	−67	−12	−10	+	5	+	0	+15	+	3	−	1	−17	+27		0	0.02
82741	16 54 42.64	+40 42 31.7	7.73	H	253.677 669 72	+40.708 811 99		4.74	13.00	−1.86	0.56	0.63	0.70	0.63	0.74	+17	−	6	−20	−	5	+	5	−21	+	7	+21	+	2	−	3	1	1.24
82742	16 54 42.72	−29 19 39.8	9.55	G	253.678 004 57	−29.327 729 47		6.89	−0.01	−37.75	1.43	1.18	1.61	1.85	1.52	−25	−19	−19	−	9	+	3	−32	−	4	−	9	+15	−55		0	1.11
82743	16 54 42.88	+38 41 24.3	9.10	H	253.678 661 42	+38.690 069 99		4.42	11.48	21.83	0.66	0.87	0.91	0.68	0.99	−	6	−13	−29	−	2	−16	+	3	−	7	+35	−21	−30		0	0.66
82744	16 54 42.92	−05 42 37.2	9.25	H	253.678 818 32	−05.710 332 82		4.56	−0.78	−8.19	1.36	0.81	1.47	1.49	0.93	+11	−39	−22	+50	−	1	−12	+	6	+67	−21	+	2		0	−0.85
82745	16 54 43.53	−46 05 24.1	8.34	2 H	253.681 392 74	−46.090 027 10		2.51	−3.63	−15.40	1.34	0.82	1.44	1.56	0.99	−	5	−34	−23	+13	+26	−15	+35	+47	−35	−19			7	−0.45
82746	16 54 43.57	+74 34 59.5	8.77	H	253.681 555 42	+74.583 201 30		2.05	−11.34	29.36	0.71	0.69	0.74	0.76	0.86	−	4	−15	−13	−13	+	9	−	5	+12	−	2	−	7	−15	0	0.58
82747	16 54 44.86	−36 53 18.3	9.21	2 H	253.686 896 22	−36.888 419 32		6.89	−8.10	−30.03	1.26	0.97	1.44	1.37	1.06	−10	−37	−29	+10	−25	+13	−16	+27	−10	−30			0	0.91
*82748	16 54 45.01	−70 39 01.5	12.66	2 H	253.687 535 96	−70.650 409 50		3.05	−2.35	−17.09	2.24	3.56	5.00	2.57	4.60	+12	−	6	+	6	+	8	−11	−10	−12	+23	+	7	+	6	1	−0.89
*82749	16 54 44.99	−59 43 26.5	8.09	1 H	253.687 448 03	−59.724 039 27		2.92	2.21	−1.49	0.59	0.53	1.05	0.74	0.67	+16	−12	−	8	−	2	+	0	+28	−	3	+24	+13	+30		0	−1.31
82750	16 54 46.39	+62 06 00.2	7.07	G	253.693 294 18	+62.100 066 41		25.00	−332.33	−55.15	0.52	0.47	0.53	0.52	0.56	+	1	−29	+	0	+	3	+13	−	7	+17	+13	−21	+18		0	1.12
82751	16 54 48.51	+32 40 51.1	8.56	H	253.702 121 56	+32.680 862 30		1.78	−2.66	16.80	0.66	0.80	0.96	0.78	1.02	+	9	+	1	+11	+22	+	8	+	9	+	8	+23	−	5	+	9	0	−0.43
82752 H	16 54 48.75	−11 32 58.9	9.54	H	253.703 124 44	−11.549 696 43	A	−1.16	−8.19	−7.94	4.13	3.06	4.07	4.54	3.40	−51	+	6	−33	+34	−28	−	6	−34	+61	−43	−36			1	0.08
82753	16 54 48.81	+16 24 19.7	8.63	H	253.703 358 98	+16.405 461 34		13.89	43.11	−41.53	0.71	0.62	1.05	0.99	0.73	−	8	−22	−11	+	5	+	8	−12	+	5	+	8	−	7	+21	0	−0.61
82754	16 54 49.61	−27 44 54.8	7.93	H	253.706 711 53	−27.748 567 49		−1.71	−0.18	−5.36	1.13	0.81	1.14	1.95	1.34	+24	−	6	−11	−10	−20	−33	−28	+	9	−15	+44			0	2.02
82755	16 54 49.95	+44 40 14.4	8.70	H	253.708 141 84	+44.670 667 64		3.86	−21.93	5.86	0.73	0.74	0.89	0.72	0.87	+	4	−20	−27	−17	+	9	−	1	+	3	−23	+33	+12		0	−0.32
82756	16 54 50.02	−26 24 47.1	8.20	G	253.708 397 51	−26.413 073 15		4.36	−15.08	−10.10	0.99	0.72	1.05	1.10	0.84	−16	−38	+	4	+10	−20	+	6	−20	+43	+	0	−10			0	2.63
82757	16 54 50.37	+16 18 47.2	8.38	H	253.709 858 27	+16.313 123 60		11.60	−64.13	−156.58	0.62	0.55	1.04	0.95	0.68	−23	−10	−	5	+	4	+18	−17	+11	+12	−	8	+34			1	0.06
82758	16 54 50.82	−23 30 44.2	6.76	H	253.711 764 12	−23.512 283 92		6.75	−6.80	−36.76	1.15	0.78	1.24	1.92	1.39	−50	−21	−14	−28	+	0	−29	+20	+10	+	9	−85			0	−0.61
82759	16 54 51.74	+56 43 56.9	9.47	H	253.715 562 65	+56.732 465 86		10.62	−220.74	−45.40	0.84	0.78	0.91	0.95	0.83	−	2	+12	−	4	−11	+	7	−25	+	6	−	5	−	1		0	1.58
82760	16 54 51.91	−20 47 37.7	8.50	H	253.716 297 08	−20.793 792 49		3.32	8.47	0.99	1.08	0.79	1.29	1.30	0.88	−	6	−22	−45	+24	−22	+22	−	6	+43	−29	−33			0	−1.35
82761	16 54 53.09	+03 39 55.0	8.16	H	253.721 220 78	+03.665 271 83		−0.32	−8.22	−1.76	1.11	0.72	1.16	1.28	0.86	−19	−26	−17	+54	−13	+	8	−	3	+55	−29	−19			0	−0.39
82762	16 54 53.19	+14 33 43.5	8.38	H	253.721 625 15	+14.562 080 48		4.92	−11.57	11.66	0.79	0.67	1.14	0.86	0.76	+19	−39	−23	+22	+	7	−	4	+15	+18	−22	+20			0	0.47
82763	16 54 53.58	+87 44 03.4	8.96	H	253.723 267 32	+87.734 278 26		2.68	−16.32	−6.63	0.63	0.76	0.77	0.81	0.98	+	5	+	5	−	7	−	9	+	3	−	5	+	1	+23	−17	+	7	0	1.02
82764	16 54 55.14	+20 57 30.5	5.39	H	253.729 730 20	+20.958 484 35		12.80	56.33	1.50	0.52	0.46	0.77	0.55	0.59	+	5	−17	−13	+	0	+29	−	5	+31	+13	−21	+36			0	−1.88
82765	16 54 55.18	+28 08 13.4	7.32	1 H	253.729 937 36	+28.137 051 00		4.91	−18.80	32.69	0.44	0.54	0.73	0.53	0.64	+	7	−	5	−13	−	1	−	4	−	7	+	3	+	4	−20	+	4	2	1.34
82766	16 54 55.21	+51 57 51.5	8.09	H	253.730 048 28	+51.964 318 87		2.76	−16.36	9.78	0.62	0.71	0.70	0.72	0.83	+	7	+	4	−	2	+24	+15	−	2	+15	+19	−	6	−	4	4	1.23
82767	16 54 55.37	−40 31 29.4	7.20	H	253.730 711 32	−40.524 830 18		−0.02	−1.02	−0.13	0.88	0.71	0.96	1.10	0.86	−31	−23	−22	−14	+27	−22	+19	−22	+18	−58			0	0.45
82768	16 54 55.40	−85 00 35.5	7.79	H	253.730 823 51	−85.009 857 38		3.35	−46.34	−31.69	0.52	0.62	0.71	0.53	0.69	−	3	−10	+13	+	4	−	8	−11	−	6	−14	−23	−	8	1	2.35
82769	16 54 55.51	−48 06 10.7	8.55	2 H	253.731 280 04	−48.102 965 44		6.87	20.72	14.18	0.93	0.77	1.09	1.11	0.84	−21	−17	−19	+12	+21	+	2	+19	+46	−26	−19			0	−0.47
82770 H	16 54 57.19	−24 30 29.7	7.97	H	253.738 294 08	−24.508 246 90	A	6.95	−28.09	−10.56	2.46	1.37	1.73	1.98	1.50	−	9	−14	+	0	−10	−11	+	1	+	2	+15	−11	−49		4	0.22
82771	16 54 57.71	+30 42 21.6	7.88	H	253.740 458 37	+30.705 993 70		2.70	9.92	20.06	0.58	0.63	0.86	0.67	0.79	+	3	−21	−16	−14	−12	−	1	−	5	+19	−23	−	7		0	0.43
82772	16 54 57.88	−48 47 17.9	7.75	G	253.741 169 99	−48.788 300 20		1.66	−1.75	−2.10	0.72	0.59	0.88	0.80	0.63	−27	−21	−19	+	7	−	3	−	7	+	1	+42	−19	−35		0	−0.86
82773	16 54 57.99	+74 28 32.4	7.54	2 H	253.741 616 90	+74.475 663 70		1.66	2.54	−22.92	0.54	0.53	0.56	0.61	0.68	−	4	−10	−11	−19	+	7	−13	+	8	−	9	−22	+	1	0.16
82774	16 54 58.35	−50 11 20.9	7.35	H	253.743 141 93	−50.189 136 67		6.76	−92.79	−18.44	0.85	0.69	0.96	1.00	0.75	−30	−17	−	6	+13	−	9	−13	−	9	+47	−11	−28		0	0.16
82775	16 54 58.51	−41 09 03.1	5.78	1 H	253.743 772 03	−41.150 854 48		0.34	−0.16	−1.36	0.67	0.51	0.73	0.73	0.54	−30	−31	−	4	−	2	+	6	+	2	+	6	+	1	−	4	−29	0	0.83
82776	16 55 00.50	+46 16 34.4	7.89	2 H	253.752 087 84	+46.276 208 93		2.39	9.20	23.85	0.65	0.73	0.77	0.78	0.86	−	2	−14	−22	−	2	+27	−17	+23	−24	+	2	−10			3	−0.94
82777	16 55 00.89	+37 19 12.3	8.42	H	253.753 711 08	+37.320 095 18		1.42	−7.87	−18.09	0.59	0.65	0.80	0.62	0.74	+	9	−14	−13	+	5	+10	−29	+10	+10	−13	−	3			3	2.31
82778	16 55 01.07	−56 02 53.4	7.50	H	253.754 469 22	−56.048 162 74		4.66	−7.92	−50.63	0.81	0.71	1.11	1.05	0.80	+28	−31	−44	+37	+28	−23	+26	+49	−20	+12			0	0.93
82779	16 55 01.32	+29 02 20.0	7.55	2 H	253.755 492 51	+29.038 894 02		11.49	12.98	−10.40	0.48	0.59	0.78	0.56	0.65	+10	−13	−13	−	7	−	5	−20	−	4	+	5	+10	+	7	0	1.46
*82780	16 55 02.15	+25 43 50.6	6.06	H	253.758 954 31	+25.730 728 18		7.14	20.13	−19.42	0.38	0.47	0.67	0.47	0.58	+	3	−11	−	5	−33	+	0	−	1	+	0	−	5	−10	+	5	6	−1.19
*82781	16 55 02.15	+34 05 52.7	8.30	H	253.758 952 29	+34.097 963 18		8.26	−141.94	−70.47	0.58	0.72	0.83	0.61	0.83	+	7	−	3	+	4	+10	+14	+	2	+15	+33	+	1	+	9	0	−0.22
82782	16 55 03.08	−29 18 18.8	8.59	H	253.762 850 22	−29.305 232 42		3.07	−3.90	3.66	1.27	0.98	1.37	1.49	1.22	−21	−12	−	8	−	5	−19	−25	−17	+13	+	5	−50			0	1.92
82783	16 55 03.33	−42 05 27.0	6.30	1 G	253.763 876 57	−42.090 824 07		−0.15	−0.68	−2.72	0.75	0.57	0.86	0.96	0.66	−14	−28	+	4	+	4	+11	+23	+	8	+14	+	2	+	5	0	1.08
82784	16 55 05.26	−49 42 06.8	9.55	H	253.771 909 53	−49.701 883 93		−0.32	−27.48	−44.73	1.41	0.99	1.67	1.52	1.06	−	4	−21	−20	−	2	+	2	−	7	+	8	+35	−21	−15	0	1.20
82785	16 55 05.80	+46 55 39.4	9.09	H	253.774 156 53	+46.927 624 55		4.60	−4.07	1.83	0.77	0.82	0.90	0.87	1.06	−	5	−10	+	2	+	7	+14	−13	+15	+	2	+	2	−14	0	−0.29
82786	16 55 06.13	−38 24 47.5	7.25	H	253.775 550 10	−38.413 188 50		4.92	−6.23	−6.27	0.95	0.68	1.09	0.87	0.76	−	7	−58	−27	+13	−27	+	3	−15	+36	−	5	−53			0	1.37
82787	16 55 06.38	−18 53 02.8	7.77	H	253.776 586 64	−18.884 113 13		1.82	−2.38	−6.67	0.91	0.61	0.95	1.14	0.70	−13	−25	−	4	+32	+	6	+	9	+	1	+38	+11	−17		0	−1.32
82788	16 55 07.20	−09 24 09.7	9.84	H	253.780 016 76	−09.402 696 74		2.43	4.93	4.06	1.39	0.90	1.53	1.75	1.05	−	4	−24	+	9	+42	−	1	+	0	−	3	+73	−	1	+	4	0	−1.48
82789	16 55 07.63	+12 46 26.1	10.31	H	253.781 780 36	+12.773 925 08		3.23	−5.81	−6.97	1.06	0.96	1.91	1.43	1.11	−15	−20	−	4	+	1	+14	+17	+15	−	4	+	0	+15			0	0.98
82790	16 55 07.92	−06 39 03.4	6.82	H	253.782 981 66	−06.650 930 68		8.61	21.67	−17.96	0.83	0.56	0.89	1.05	0.64	−15	−	4	−33	+54	−27	+26	−12	−	4	+10	+	7			0	−1.78
82791 H	16 55 08.32	−31 13 21.7	8.17	G	253.784 663 24	−31.222 695 70	A	−0.13	0.79	−2.92	1.75	1.18	1.65	1.83	1.19	+24	−33	−17	+28	+13	+	9	+15	+30	−	4	+	9			3	−0.35
82792	16 55 08.69	−31 24 08.9	6.72	G	253.786 205 95	−31.402 483 42		5.49	−10.14	−50.21	0.80	0.56	0.87	0.80	0.61	−15	−39	−14	+12	−20	−	3	−14	+27	−	7	−38			0	−0.56
82793	16 55 10.68	−73 06 54.7	8.34	H	253.794 501 04	−73.115 202 01		9.46	−15.44	11.43	0.52	0.67	0.87	0.51	0.72	+18	−16	+	0	−	7	−	5	−12	−	4	+	4	−	9	+13	0	−1.00
82794	16 55 12.60	−11 18 20.1	7.76	H	253.802 497 65	−11.305 589 92		9.00	−21.90	−45.52	1.01	0.74	1.07	1.38	0.97	−41	+	1	−21	+44	−34	+10	−34	+72	−29	−37			0	1.09
82795	16 55 13.06

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T	σ	V_T	σ		B–V	σ		V–I	σ		Hp	σ	s	N		Max	Min	P		CCDM		Flags		AB	θ	ρ	σ_ρ	ΔHp	σ	Flags
	mag	mag	mag	mag		mag	mag		mag	mag		mag	mag	mag			mag	mag	days							°	″	″	mag	mag	
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61		62	63	64	65	66	67	68-70
82701	9.738	0.023	9.035	0.019		0.635	0.022	T	0.70	0.02	L	9.0602	0.0027	0.016	90		9.03	9.09					1								
82702	7.001	0.005	6.880	0.006		0.117	0.007	T	0.13	0.01	L	6.9099	0.0010	0.008	106		6.89	6.93					1								S
82703	8.334	0.008	7.154	0.007		1.011	0.008	T	0.99	0.01	L	7.2113	0.0013	0.011	119		7.20	7.23					1								S
82704	10.500	0.054	9.710	0.040		0.701	0.051	T	0.76	0.04	L	9.7669	0.0039	0.028	58		9.72	9.80					1	S							
82705	10.844	0.085	9.857	0.059		0.852	0.081	T	0.87	0.06	L	9.9107	0.0042	0.021	50		9.80	9.94		C			1	S							G
82706	6.833	0.022	6.655	0.019		0.150	0.004	G	0.16	0.03	C	6.6627	0.0019	0.010	58		6.65	6.68					1	S							S D
82707	8.610	0.010	8.156	0.010		0.455	0.015	G	0.52	0.02	H	8.2143	0.0011	0.014	139		8.19	8.24					1								S
82708	7.849	0.012	7.267	0.011		0.538	0.015	G	0.61	0.02	H	7.3282	0.0010	0.009	53		7.31	7.35					1								S
82709	9.145	0.023	8.458	0.020	*	0.623	0.023	T	0.69	0.02	L	*	8.5335	0.0025	0.017	60	*	8.51	8.57		C	16544−3806	H 1	2	C B	AB	143	0.203	0.040	2.31	0.74	
82710	10.053	0.020	9.734	0.022		0.306	0.032	T	0.35	0.04	L	9.7309	0.0116	0.139	185		9.62	10.28	0.91	P 1 A			1	S							
82711	7.860	0.011	7.447	0.011		0.388	0.008	G	0.45	0.01	H	7.5019	0.0012	0.009	72		7.48	7.52		C			1								S
82712	9.407	0.015	8.610	0.012		0.706	0.015	T	0.76	0.01	L	8.6570	0.0016	0.020	142		8.63	8.70					1								
82713	10.774	0.038	9.974	0.030		0.724	0.037	T	0.78	0.03	L	10.0250	0.0030	0.038	161		9.94	10.08					1	S							
82714	7.081	0.008	7.042	0.008		0.035	0.010	T	0.05	0.01	L	7.0496	0.0011	0.007	48		7.04	7.07		C			1								S
82715	9.146	0.018	7.720	0.010		1.217	0.020	G	1.18	0.02	H	7.7459	0.0011	0.008	98		7.73	7.76		C			1								S
82716	6.597	0.007	5.920	0.005		0.626	0.007	T	0.69	0.01	L	5.9669	0.0013	0.007	55		5.96	5.98					1								S
82717	10.190	0.039	8.290	0.015		1.578	0.033	T	1.60	0.03	L	8.2207	0.0012	0.016	64		8.20	8.26		D	16545−3043	I 1	1	S							
82718	7.103	0.005	7.009	0.007		0.092	0.008	T	0.10	0.01	L	7.0288	0.0008	0.007	100		7.02	7.04		C			1								S
82719	10.339	0.027	9.070	0.016		1.081	0.025	T	1.04	0.02	L	9.1317	0.0014	0.015	126		9.10	9.16		C			1	S							
82720	11.965	0.109	10.132	0.037		1.556	0.095	T	2.03	0.23	K	9.8076	0.0065	0.050	102		9.70	9.87		U 2			1								
82721	9.851	0.019	9.276	0.018		0.537	0.023	T	0.61	0.02	L	9.3550	0.0024	0.023	135		9.32	9.40		C			1								
82722	11.096	0.058	9.712	0.028		1.027	0.002	G	1.07	0.00	I	9.7964	0.0020	0.017	84		9.77	9.84		C			1								
82723	8.406	0.013	6.647	0.006		1.466	0.011	T	1.48	0.02	L	6.6214	0.0018	0.011	79		6.61	6.64					1								S
82724						1.729	0.400	G	2.16	0.46	K	11.9580	0.0884			A				D	16545−6224	I 2	1	C I D							D
82725											T	11.8651	0.0814	0.111	175	B	11.69	12.15		D	16545−6224	I 2	1	C P D							D
82726	9.557	0.015	7.640	0.006		1.626	0.013	T	2.02	0.04	O	7.5209	0.0019	0.017	162		7.49	7.55		U			1								S
82727	9.668	0.015	9.161	0.015		0.487	0.016	T	0.56	0.02	L	9.2152	0.0023	0.024	152		9.17	9.26		C			1								
82728	11.237	0.080	9.511	0.029		1.000	0.040	G	0.98	0.03	R	9.4697	0.0028	0.016	62		9.44	9.50		C			1	S							
82729	5.439	0.004	3.773	0.004		1.393	0.004	T	1.37	0.02	A	3.7651	0.0006	0.004	60		3.76	3.78					1								S
82730	6.645	0.004	5.351	0.003		1.100	0.004	T	1.06	0.00	L	5.3970	0.0005	0.004	104		5.39	5.40					1								S
82731	6.614	0.006	6.368	0.007		0.214	0.005	G	0.25	0.03	C	6.3949	0.0008	0.007	60		6.38	6.41		C			1								S
82732	9.090	0.019	8.381	0.016		0.639	0.019	T	0.70	0.02	L	8.4310	0.0020	0.016	59		8.41	8.46		C			1								
82733	10.429	0.039	9.438	0.027		0.790	0.020	G	0.83	0.02	H	9.4737	0.0022	0.022	68		9.42	9.51					1								
82734	8.106	0.014	8.023	0.016		0.080	0.002	G	0.09	0.00	H	8.0529	0.0022	0.019	58		8.04	8.08					1								S
82735	9.958	0.034	8.263	0.016		1.416	0.030	T	1.40	0.05	L	8.2270	0.0021	0.020	54		8.19	8.26		C			1								
82736	10.455	0.051	9.956	0.051		0.514	0.020	G	0.59	0.02	H	9.9499	0.0046	0.029	48		9.91	9.98					1								G
82737	6.758	0.004	6.592	0.005		0.144	0.004	G	0.16	0.00	H	6.6216	0.0011	0.008	80		6.61	6.64		C			1								S
82738	8.318	0.014	7.751	0.012		0.544	0.015	G	0.62	0.01	H	7.7973	0.0016	0.012	61		7.78	7.82		C			1								S
82739						1.457	0.013	G	1.84	0.06	I	11.8778	0.0072	0.054	45		11.79	11.99					1								G
82740	7.835	0.010	7.163	0.009	*	0.647	0.015	G	0.71	0.01	H	*	7.1937	0.0015	0.009	54	*	7.18	7.21		D	16547−4334	I 1	2	C A	BA	238	0.362	0.004	0.01	0.02	S
82741	8.992	0.012	7.849	0.008		0.983	0.011	T	0.96	0.01	L	7.8993	0.0018	0.013	112		7.87	7.92					1								S
82742	10.233	0.049	9.620	0.046		0.527	0.020	G	0.60	0.02	H	9.6718	0.0039	0.026	52		9.62	9.71					1								G
82743	9.615	0.018	9.150	0.018		0.438	0.023	T	0.51	0.02	L	9.2021	0.0018	0.021	125		9.15	9.25					1								
82744	10.869	0.049	9.426	0.023		1.217	0.042	T	1.18	0.04	L	9.4153	0.0023	0.017	103		9.38	9.44					1								
82745	10.500	0.056	8.564	0.022		1.606	0.048	T	1.63	0.05	L	8.4542	0.0038	0.026	96		8.38	8.49		U 2			1	S							
82746	9.126	0.015	8.820	0.016		0.291	0.021	T	0.33	0.03	L	8.8467	0.0017	0.017	98		8.82	8.87		C			1								S
82747	10.062	0.042	9.213	0.032		0.746	0.040	T	0.79	0.03	L	9.3513	0.0296	0.200	55		9.01	9.61		U 2			1	S							
82748											T	12.7711	0.0081	0.116	211		12.58	13.00		U			1	S							G
82749	10.252	0.025	8.289	0.010		1.664	0.022	T	2.00	0.06	O	8.1737	0.0018	0.017	165		8.15	8.21		U			1								
82750	7.902	0.008	7.137	0.006		0.676	0.000	G	0.72	0.07	F	7.2069	0.0009	0.009	121		7.19	7.22		C			1								S
82751	10.548	0.032	8.757	0.013		1.491	0.027	T	1.51	0.04	L	8.6886	0.0018	0.020	129		8.66	8.72					1								
82752	10.553	0.066	9.546	0.043	*	0.879	0.059	T	0.89	0.04	L	*	9.6980	0.0042	0.027	85	*	9.65	9.76		D	16548−1133	I 1	2	C A	AB	151	4.163	0.008	0.72	0.03	
82753	9.418	0.013	8.705	0.011		0.656	0.014	T	0.72	0.01	L	8.7646	0.0018	0.020	161		8.73	8.81					1								
82754	9.348	0.025	8.060	0.015		1.096	0.023	T	1.06	0.02	L	8.0985	0.0022	0.011	51		8.08	8.11		C			1								
82755	9.979	0.026	8.826	0.017		0.990	0.024	T	0.97	0.02	L	8.8599	0.0013	0.013	94		8.84	8.89		C			1								
82756	8.660	0.018	8.246	0.019		0.402	0.015	G	0.47	0.02	H	8.2903	0.0014	0.011	51		8.27	8.31		C			1								
82757	9.245	0.012	8.456	0.009		0.716	0.012	T	0.77	0.01	L	8.5230	0.0009	0.013	165		8.50	8.55					1								S
82758	7.959	0.011	6.866	0.009		0.944	0.011	T	0.93	0.01	L	6.9191	0.0011	0.008	51		6.91	6.93					1	S							S
82759	10.147	0.026	9.491	0.023		0.609	0.029	T	0.68	0.03	L	9.6003	0.0021	0.021	111		9.56	9.65		C			1								
82760	9.882	0.030	8.643	0.019		1.057	0.028	T	1.02	0.02	L	8.6657	0.0019	0.013	57		8.65	8.69					1								
82761	10.144	0.029	8.298	0.013		1.535	0.025	T	1.58	0.05	L	8.2838	0.0016	0.018	80		8.25	8.31		C			1								
82762	9.963	0.024	8.521	0.013		1.216	0.021	T	1.18	0.02	L	8.5338	0.0020	0.017	113		8.50	8.56		C			1								
82763	10.354	0.033	9.073	0.020		1.090	0.030	T	1.05	0.03	L	9.1313	0.0016	0.015	106		9.10	9.17		C			1								
82764	6.621	0.004	5.502	0.002		0.966	0.000	G	0.95	0.00	H	5.5581	0.0007	0.007	116		5.55	5.57		C			1								S
82765	7.680	0.006	7.367	0.006		0.325	0.015	G	0.38	0.02	H	7.4015	0.0017	0.017	146		7.37	7.43		U 2			1								S
82766	9.533	0.018	8.223	0.011		1.113	0.017	T	1.08	0.02	L	8.2606	0.0015	0.015	110		8.24	8.28		C	16549+5158	I 1	1	S							
82767	7.300	0.010	7.211	0.011		0.087	0.014	T	0.10	0.01	L	7.2366	0.0016	0.010	50		7.22	7.25		C			1								S
82768	9.104	0.013	7.903	0.008		1.028	0.012	T	1.00	0.01	L	7.9566	0.0014	0.013	136		7.93	7.98					1								
82769	10.901	0.063	8.842	0.019		1.743	0.054	T	3.11	0.06	O	8.4250	0.0051	0.042	92		8.37	8.48		U 2			1	S							
82770	8.626	0.015	8.048	0.014	*	0.543	0.016	T	0.62	0.01	L	*	8.0900	0.0009	0.011	57	*	8.07	8.11		D	16550−2431	I 1	2	C A	AB	90	0.467	0.005	0.97	0.04	S
82771	9.926	0.020	8.061	0.009		1.550	0.017	T	1.62	0.03	L	7.9953	0.0017	0.018	143		7.96	8.02					1								S
82772	7.875	0.010	7.760	0.014		0.120	0.009	G	0.13	0.01	H	7.7945	0.0007	0.009	93		7.78	7.81					1								S
82773	9.642	0.020	7.746	0.009		1.575	0.017	T	1.59	0.02	L	7.6602	0.0031	0.025	103		7.62	7.70		U 2			1								
82774	8.777	0.014	7.484	0.009		1.100	0.013	T	1.06	0.01	L	7.5208	0.0016	0.012	81		7.50	7.54		C			1								S
82775	5.966	0.005	5.829	0.007		0.132	0.008	T	0.15	0.01	L	5.8276	0.0019	0.011	52		5.81	5.85		U 2	16550−4109	I 1	1								S
82776	9.775	0.023	8.112	0.011		1.416	0.021	T	2.64	0.04	O	7.8779	0.0039	0.040	98		7.78	7.95		U 2			1	S							
82777	9.718	0.015	8.560	0.010		0.994	0.014	T	0.97	0.01	L	8.5850	0.0018	0.022	132		8.55	8.63		R			1								
82778	8.967	0.016	7.637	0.010		1.129	0.015	T	1.09	0.02	L	7.6662	0.0015	0.012	91		7.65	7.68					1								
82779	7.909	0.007	7.578	0.007		0.314	0.009	T	0.36	0.01	L	7.6232	0.0022	0.030	163		7.55	7.66		U 2 C			1								S
82780	7.238	0.004	6.169	0.003		0.921	0.006	G	0.92	0.03	C	6.2232	0.0007	0.008	192		6.21	6.24			16550+2544	I 1	1								S
82781	8.944	0.012	8.345	0.010		0.559	0.014	T	0.63	0.01	L	8.4172	0.0015	0.018	116		8.39	8.45		C			1								S
82782	10.013	0.038	8.733	0.023		1.089	0.035	T	1.05	0.04	L	8.7558	0.0026	0.017	48		8.73	8.79		C			1								
82783	6.715	0.007	6.360	0.008		0.396	0.022	G	0.46	0.02	H	6.3841	0.0027	0.016	65		6.35	6.41		U 2	16551−4205	I 1	1								S
82784	11.125	0.077	9.661	0.036		1.234	0.067	T	1.19	0.07	L	9.7068	0.0041	0.032	80		9.65	9.75		R			1	S							G
82785	9.443	0.016	9.126	0.017		0.341	0.019	G	0.40	0.03	H	9.1700	0.0016	0.016	112		9.14	9.21		C			1								
82786	7.234	0.007	7.247	0.009		−0.007	0.010	T	0.01	0.01	L	7.2520	0.0014	0.008	53		7.24	7.26		C			1								S
82787	7.945	0.011	7.786	0.011		0.153	0.015	T	0.17	0.01	L	7.8193	0.0012	0.010	60		7.80	7.84					1								S
82788	10.495	0.035	9.884	0.032		0.484	0.020	G	0.56	0.02	H	9.9471	0.0020	0.020	113		9.92	9.99		C			1								G
82789	12.253	0.152	10.591	0.053		1.568	0.082	G	1.70	0.17	K	10.4166	0.0041	0.041	127		10.35	10.48					1								G
82790	8.518	0.010	6.961	0.005		1.307	0.009	T	1.27	0.01	L	6.9740	0.0007	0.007	113		6.96	6.99		C			1								S
82791	9.476	0.026	8.320	0.017	*	1.020	0.015	G	0.99	0.01	H	*	8.3181	0.0023	0.014	58	*	8.29	8.34		D	16551−3113	I 1	2	C A	AB	9	0.827	0.009	2.32	0.04	
82792	6.806	0.007	6.731	0.006		0.063	0.005	G	0.07	0.01	H	6.7474	0.0017	0.007	62		6.73	6.77			16551−3124	I 1	1								S
82793	9.011	0.010	8.405	0.009		0.583	0.015	G	0.65	0.01	H	8.4653	0.0015	0.017	207		8.44	8.50					1								
82794	8.500	0.012	7.814	0.010		0.634	0.013	T	0.70	0.01	L	7.8884	0.0014	0.009	102		7.87	7.91					1								S
82795	9.560	0.018	8.960	0.017		0.560	0.022	T	0.63	0.02	L	9.0272	0.0015	0.013	101		8.99	9.06					1								
82796	9.873	0.022	9.322	0.021	A	0.516	0.027	T	0.59	0.03	L	9.5155	0.0309	0.116	104	A	9.32	9.64		D	16552+6332	I 2	1	C P A							
82797	10.680	0.049	10.055	0.042	B	0.581	0.057	T	0.65	0.05	L	10.1702	0.0472			B				D	16552+6332	I 2	1	C I A							
82798	6.749	0.003	6.385	0.004		0.339	0.008	G	0.40	0.01	H	6.4292	0.0011	0.008	115		6.42	6.44					1								S P
82799	9.120	0.014	7.803	0.009		1.118	0.013	T	1.08	0.01	L	7.8552	0.0014	0.012	111		7.84	7.87		C			1								S
82800	9.762	0.026	9.293	0.026		0.436	0.020	G	0.50	0.02	H	9.3536	0.0025	0.017	64		9.33	9.38		C			1								

Number	Descriptor: epoch J1991.25					Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V			α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	$\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag			deg	deg		mas	mas/yr		mas		mas	mas/yr		$\alpha*$	$\alpha*$	δ	$\alpha*$	δ	π	$\alpha*$	δ	π	$\mu_{\alpha*}$	%	
1 2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
82801	16 55 22.17	+39 51 22.1	8.38		G	253.842 385 41	+39.856 143 24		1.31	2.11	2.74	0.67	0.74	0.84	0.83	0.88	+ 8	+ 0	−15	−12	+ 6	− 9	+ 3	+16	+11	+13	0	−0.34
82802	16 55 22.24	+18 25 59.5	5.35		G	253.842 657 72	+18.433 183 81		9.19	−114.79	11.85	0.47	0.41	0.76	0.65	0.53	− 3	−11	−20	− 6	+23	−29	+14	+ 9	−27	+46	0	−0.18
82803	16 55 22.62	+21 29 32.8	7.54		H	253.844 230 62	+21.492 455 60		9.15	−24.00	−4.20	0.63	0.60	0.93	0.69	0.76	+ 8	− 5	−17	+13	+28	+ 3	+31	+20	− 8	+32	2	1.09
82804	16 55 22.84	−69 16 47.1	7.25		H	253.845 183 95	−69.279 763 84		2.60	−3.17	−8.38	0.39	0.50	0.70	0.50	0.61	+ 0	− 9	− 4	− 4	+ 9	+ 0	+ 7	+10	+18	− 3	0	0.21
82805	16 55 24.09	+64 55 45.5	8.73		H	253.850 373 10	+64.929 312 16		5.12	11.81	−0.39	0.64	0.68	0.71	0.52	0.81	+ 2	−11	− 4	−43	−31	+ 9	−23	+15	−15	−28	0	0.53
82806	16 55 24.68	−63 16 10.7	5.99		G	253.852 826 94	−63.269 625 66		7.27	7.66	−13.72	0.50	0.49	0.84	0.58	0.57	+ 4	−11	−12	−18	−37	+ 3	−30	+19	− 6	−19	0	2.28
82807	16 55 24.87	+00 05 36.5	8.36		H	253.853 632 34	+00.093 472 11		3.25	0.64	−0.01	0.95	0.65	1.09	1.21	0.81	−14	−29	−17	+33	−18	+10	−10	+53	−20	−17	0	0.81
82808	16 55 25.00	+20 29 40.0	9.72		H	253.854 146 71	+20.494 448 20		−0.95	4.23	−2.66	1.19	1.09	1.75	1.18	1.46	+ 4	−42	−20	+19	+19	−10	+26	+ 8	−13	+15	2	0.64
82809	16 55 25.70	−08 19 13.4	11.73		G	253.857 102 73	−08.320 399 97		153.96	−813.47	−895.23	3.65	2.09	4.04	4.41	2.50	+ 3	−34	−15	+19	−19	−17	−13	+61	−28	+14	0	0.59
82810	16 55 26.37	+09 35 46.3	10.07		H	253.859 866 51	+09.596 201 09		3.80	17.09	−1.10	1.90	1.12	1.69	2.17	1.31	+35	−19	−25	+70	+33	+ 9	+33	+36	−16	+17	2	0.18
82811	16 55 26.95	−16 02 22.2	10.00		G	253.862 306 48	−16.039 499 92		15.57	−14.38	−18.70	1.69	1.05	1.81	2.14	1.40	− 3	−29	+11	+34	+19	−21	+24	+58	+ 5	−11	0	0.75
82812	16 55 26.96	−22 52 47.1	10.50		G	253.862 343 25	−22.879 755 67		2.38	−3.22	−3.40	2.42	1.82	2.68	3.78	2.66	−47	−23	−13	− 9	+14	−39	+ 9	− 1	+22	−70	0	0.11
82813	16 55 26.98	−62 19 01.0	8.93		H	253.862 399 40	−62.316 947 65		3.51	2.32	−8.30	0.86	0.78	1.44	1.02	0.99	+10	− 3	− 3	−17	−40	+ 7	−41	+19	− 3	+ 6	0	0.38
*82814	16 55 29.03	+23 21 56.7	9.04	1	H	253.870 960 54	+23.365 759 39		6.75	10.07	6.82	0.73	0.99	1.42	0.94	1.24	− 6	− 5	−23	−34	+16	−13	+17	−18	−10	−24	0	1.24
*82815	H 16 55 28.98	−11 53 32.9	8.98		H	253.870 734 62	−11.892 468 03	A	7.61	−25.81	−15.95	2.48	1.73	2.31	2.92	1.88	−32	+17	−25	+49	−32	+13	−33	+70	−31	−27	1	0.93
82816	16 55 29.07	−52 39 02.9	8.31		H	253.871 133 30	−52.650 818 41		2.82	−4.32	−8.97	1.14	0.90	1.14	1.46	1.00	+15	−10	+ 1	+44	+40	+12	+35	+51	+ 5	+13	0	1.17
82817	H 16 55 29.24	−08 20 03.1	9.02		G	253.871 849 72	−08.334 207 83	*	174.23	−829.34	−878.81	6.80	3.47	3.90	4.08	2.48	+34	−25	−17	+10	−13	−18	− 5	+43	−28	+ 8	5	3.06
82818	16 55 30.86	−24 26 43.3	9.79		G	253.878 590 58	−24.445 373 70		4.16	−13.54	−8.92	1.80	1.20	1.81	2.77	1.98	−38	−24	−10	−33	+15	−11	+27	− 4	+ 5	−76	0	−0.63
82819	16 55 30.97	−39 27 59.0	8.53	2	H	253.879 021 76	−39.466 397 19		0.37	1.66	−1.61	1.19	1.01	1.24	1.39	1.09	−36	−18	−17	+39	−36	+25	−31	+56	−13	−32	0	−0.70
82820	16 55 31.44	−65 15 19.4	11.55		H	253.881 005 59	−65.255 377 29		25.68	−49.89	−263.59	1.92	1.72	2.78	2.32	2.02	+ 3	−18	−10	+10	−28	+10	−29	+ 6	+15	−11	0	1.87
82821	16 55 32.31	−29 16 36.7	7.75		H	253.884 628 58	−29.276 853 03		3.23	−18.13	−17.03	0.93	0.74	1.03	1.15	0.93	−26	−21	− 7	− 7	− 4	−30	+ 2	+ 9	+15	−58	3	−1.25
82822	H 16 55 32.54	−21 34 10.2	6.62		H	253.885 589 52	−21.569 498 17	A	2.35	−8.16	−4.44	1.52	1.36	1.28	1.88	1.04	+14	− 8	−11	+12	+ 0	− 6	+ 0	− 2	−15	+28	0	−0.57
82823	16 55 33.34	−72 49 56.6	8.37		G	253.888 917 68	−72.832 391 11		9.57	−42.31	−163.21	0.51	0.69	0.91	0.52	0.75	+17	−13	− 7	−11	− 2	−14	− 2	+11	− 5	+15	0	1.02
82824	16 55 33.67	−11 20 57.3	8.74		H	253.890 287 23	−11.349 249 52		3.16	−0.48	−9.76	1.28	0.92	1.43	1.70	1.13	−29	−10	−28	+41	−31	+10	−27	+75	−33	−28	0	−0.07
82825	16 55 33.88	+48 36 38.9	9.56	2	H	253.891 180 88	+48.610 800 08		0.64	9.23	−0.55	0.81	0.84	0.92	0.86	1.02	+ 3	− 4	+ 8	+ 4	+10	− 5	+13	+ 9	− 2	−11	0	−0.22
82826	H 16 55 34.16	−49 23 01.8	9.02		H	253.892 323 08	−49.383 828 75	A	10.04	35.49	−92.64	1.75	1.29	1.79	1.83	1.26	− 7	−13	−15	+14	− 3	−11	+ 1	+49	−16	−20	1	−0.59
82827	16 55 34.45	−60 40 38.5	7.22		H	253.893 535 40	−60.677 367 61		4.10	−21.86	−27.59	0.58	0.51	0.96	0.71	0.67	+28	−25	−26	−13	−18	+20	−16	+23	− 4	+30	0	−0.03
82828	16 55 34.85	+08 12 52.2	8.54		H	253.895 228 31	+08.214 508 11		2.59	−29.21	−8.72	1.01	0.83	1.24	1.25	0.98	− 4	−20	−32	+39	+18	−18	+12	+24	+ 0	−19	0	−1.26
82829	16 55 35.31	−43 18 57.4	6.77		G	253.897 125 94	−43.315 948 40		5.71	−19.48	−15.59	0.80	0.61	1.02	0.84	0.64	+ 5	−43	−33	− 6	− 6	+26	+14	+ 5	−28	− 6	0	0.76
82830	16 55 35.41	+23 51 17.2	10.83		H	253.897 560 35	+23.854 775 86		11.09	42.93	−67.52	1.33	1.65	2.32	1.51	2.07	+ 2	−18	+ 4	− 9	+ 2	+ 4	+ 3	+11	− 5	+ 2	3	1.79
82831	16 55 35.63	−02 27 13.0	8.55		H	253.898 458 35	−02.453 624 95	A	3.05	0.87	−12.05	2.01	1.19	1.97	1.94	1.28	+ 0	−32	− 2	+43	+ 5	− 8	+12	+45	−22	+ 3	6	1.22
*82832	16 55 37.81	−39 30 17.9	7.28	1	H	253.907 549 81	−39.504 974 59		1.49	0.75	−0.87	0.94	0.79	1.03	1.07	0.89	−31	−20	−23	+19	−31	+ 8	−24	+37	−15	−49	0	0.08
*82833	16 55 37.80	−45 06 10.4	10.32	3	H	253.907 489 45	−45.102 887 84		3.04	19.40	−42.66	2.45	1.35	1.77	2.94	1.60	+70	− 5	−17	+77	+75	+ 0	+76	+75	−24	+76	0	−0.97
82834	16 55 37.95	−32 04 00.8	9.58		G	253.908 105 07	−32.066 899 88		53.54	95.52	−328.76	1.52	1.10	1.69	1.67	1.25	−22	−32	− 3	+ 7	−16	− 4	−11	+22	−11	−26	0	−1.50
82835	16 55 40.32	−08 56 37.2	10.00		H	253.917 999 12	−08.943 663 65		17.51	−93.67	35.95	1.57	0.96	1.74	1.87	1.08	−15	−28	+ 3	+34	−20	− 5	−20	+70	− 8	− 2	0	−0.32
82836	16 55 41.09	+47 35 29.1	8.53		H	253.921 213 34	+47.591 420 07		11.11	−14.20	−5.98	0.68	0.82	0.84	0.83	0.99	+ 5	− 4	+18	− 4	+ 5	−15	+ 8	+ 7	+ 1	+ 6	0	−0.33
82837	16 55 42.64	−59 25 02.4	7.40		G	253.927 672 05	−59.417 334 89		11.09	−43.95	−31.25	0.57	0.62	0.91	0.70	0.67	−16	−10	−32	+ 7	− 4	+15	+ 0	− 2	+14	− 9	0	1.22
82838	16 55 43.50	−64 50 30.7	8.88		H	253.931 250 39	−64.841 870 44		1.25	1.17	−5.63	0.70	0.75	1.16	0.87	0.94	− 1	− 3	− 9	+15	−22	+11	−21	+20	+17	−13	0	0.17
82839	16 55 44.38	−25 32 02.0	7.59		H	253.934 907 05	−25.533 898 77		2.77	−3.43	−5.96	1.06	0.68	1.13	1.07	0.78	− 7	−54	+ 8	+20	+ 8	− 4	+ 4	+36	+ 4	+ 3	0	0.54
82840	16 55 44.91	+81 14 21.2	8.16	1	H	253.937 110 50	+81.239 218 81		1.73	−1.57	5.46	0.55	0.52	0.63	0.57	0.64	+19	−16	+ 1	+19	+18	− 6	+22	+ 6	+19	+13	2	−1.15
82841	16 55 46.26	+67 28 42.4	6.78		H	253.942 758 89	+67.478 455 87		5.02	−12.80	7.84	0.45	0.47	0.48	0.48	0.61	+12	− 9	− 5	− 9	+ 2	−10	+ 2	− 2	− 1	+14	0	−0.45
82842	16 55 46.45	−12 33 45.3	10.33		G	253.943 537 00	−12.562 575 24		8.00	−10.96	−22.20	1.97	1.39	1.98	2.66	1.89	−41	− 9	− 3	+48	−34	+10	−28	+70	−12	−53	0	0.05
82843	16 55 47.09	+17 24 12.1	8.72		H	253.946 222 33	+17.403 366 52		2.17	−2.53	−7.02	0.82	0.68	1.11	1.08	0.78	+17	− 7	− 4	+47	+38	+10	+46	+10	+11	+49	0	−0.24
82844	16 55 48.34	+47 39 24.9	10.76		H	253.951 426 27	+47.656 930 36		24.29	−58.16	171.30	1.25	1.47	1.52	1.47	1.74	+ 7	− 7	+ 9	− 3	+10	−13	+12	− 2	+ 0	+13	0	−0.21
82845	16 55 49.14	−06 07 23.8	7.43		H	253.954 758 12	−06.123 278 38		7.47	50.07	−46.20	0.92	0.56	0.91	1.08	0.63	+ 0	−21	−13	+52	− 6	+11	− 1	+65	−14	− 5	0	−2.14
82847	16 55 51.36	+77 57 34.9	7.49		H	253.963 984 89	+77.959 688 89		3.26	−2.30	3.82	0.53	0.56	0.59	0.54	0.73	+13	−28	−21	−23	− 7	+12	− 9	−17	+15	+11	0	−1.95
82848	16 55 52.25	−31 28 11.3	7.67	1	H	253.967 718 12	−31.469 810 84		0.63	−4.30	−9.56	0.95	0.68	1.03	0.98	0.72	−13	−33	−11	+20	−17	+ 7	−10	+34	−12	−30	3	0.29
82849	16 55 53.39	−01 09 09.3	8.73		H	253.972 439 64	−01.152 584 88		4.39	−3.78	0.84	1.17	0.70	1.31	1.35	0.84	−10	−49	− 4	+14	+ 0	+ 7	− 1	+41	− 1	− 5	0	−1.74
82850	16 55 53.49	−43 04 15.0	8.29		H	253.972 889 89	−43.070 845 97		2.65	1.55	−9.23	1.01	0.81	1.29	1.14	0.86	−11	−33	−31	− 5	−13	+26	+ 4	+ 8	−25	−24	3	1.52
82851	16 55 55.05	−62 28 08.9	9.40		G	253.979 360 08	−62.469 152 37		24.92	−221.97	−316.18	0.89	0.82	1.51	1.05	1.03	+16	− 9	− 2	−14	−33	+15	−34	+19	+ 9	+13	0	0.89
82852	16 55 55.20	−37 05 54.7	9.40		H	253.980 019 33	−37.098 521 40		4.37	−7.60	−3.55	1.45	1.21	1.82	1.51	1.17	−12	−34	−47	+ 4	−31	+17	−18	+34	−15	−41	0	0.90
*82853	16 55 57.28	−83 13 05.6	8.99		H	253.988 678 98	−83.218 208 45		14.60	37.68	−145.83	0.69	0.76	0.91	0.79	0.91	+ 1	−12	− 5	+ 1	−11	−13	−10	−13	−12	+ 5	0	0.62
*82854	16 55 57.24	−04 51 17.7	9.23		H	253.988 492 60	−04.854 919 25		9.77	−14.92	−36.28	1.25	0.73	1.38	1.42	0.80	+ 9	−30	−20	+29	− 3	−13	+ 1	+52	−22	+ 6	0	−0.86
82855	16 55 57.74	−33 30 24.8	6.29		H	253.990 591 76	−33.506 889 32		5.61	14.49	6.50	0.90	0.67	1.05	1.11	0.78	+ 3	−31	−24	+24	− 4	− 5	+ 8	+ 2	−26	+15	0	−0.61
82856	16 55 59.78	+16 22 18.2	8.90		H	253.999 102 79	+16.371 727 20		3.75	−2.92	−8.99	0.76	0.69	1.14	1.16	0.89	− 3	−12	−10	+ 2	+ 6	−16	+ 3	+ 2	+ 2	+30	0	−0.78
82857	16 56 00.11	−71 17 39.1	8.26		H	254.000 437 61	−71.294 190 26		1.16	23.36	−18.10	0.49	0.69	0.96	0.51	0.84	+18	−15	−12	+ 9	+ 2	−12	− 3	+25	+ 5	+25	0	0.90
82858	16 56 00.75	−23 40 48.3	10.30		G	254.003 107 74	−23.680 076 75		6.30	10.66	−7.34	2.41	1.62	2.38	3.72	2.62	−51	−11	−15	−44	+23	−27	+35	−15	+ 7	−80	0	0.10
82859	16 56 01.12	+24 30 18.8	8.75		H	254.004 677 19	+24.505 219 12		1.78	0.63	4.80	0.45	0.80	1.11	0.56	0.96	+ 6	−12	+ 5	+14	− 1	−11	+ 1	− 9	−19	+ 3	0	0.16
82860	16 56 01.36	+65 08 04.8	4.88		H	254.005 664 77	+65.134 672 04	+	66.28	238.05	50.84	0.52	0.48	0.48	0.38	0.57	+20	−11	− 3	−24	−16	+11	−22	+ 6	−14	−28	0	−0.57
82861	16 56 01.79	−16 48 22.8	6.33		H	254.007 475 14	−16.806 338 20		24.72	81.80	30.96	0.78	0.52	0.85	0.91	0.69	−42	−25	− 3	+ 6	−11	+ 1	+ 1	+42	−20	−55	0	3.52
82862	16 56 01.95	+05 52 46.9	9.02		G	254.008 135 82	+05.879 692 55		4.41	20.41	−10.38	1.59	0.92	1.40	1.78	1.04	+36	−17	−23	+71	+29	+ 6	+28	+53	−14	+19	0	−0.67
82863	16 56 02.64	−78 46 58.9	9.93		H	254.011 005 75	−78.783 039 83		0.65	−3.52	−10.61	0.89	1.04	1.29	0.88	1.17	− 8	−25	+25	+11	−25	− 8	−23	+ 9	−11	−12	2	0.39
82864	16 56 04.58	+47 22 14.4	7.03		H	254.019 086 17	+47.370 676 63		9.43	−17.61	45.17	0.48	0.56	0.60	0.55	0.66	+ 7	− 3	+ 3	+ 2	+ 9	−21	+10	+ 3	− 4	+ 4	0	0.86
82865	16 56 05.59	+01 25 14.6	7.70		H	254.023 308 43	+01.420 713 63		4.29	0.16	−27.72	0.89	0.60	0.98	0.95	0.66	+ 2	−27	−12	+41	+ 8	− 2	+ 8	+47	− 2	− 2	0	−0.69
82866	16 56 05.66	−51 53 50.5	8.11		H	254.023 598 88	−51.897 364 86		7.02	8.22	5.94	1.03	0.86	1.20	1.39	0.96	−13	− 3	−29	+18	+16	+ 6	+14	+36	− 3	−16	0	1.59
82867	16 56 06.44	+50 02 20.1	6.60	1	H	254.026 834 11	+50.038 904 62		2.51	−20.83	−11.19	0.52	0.50	0.56	0.59	0.63	+ 5	+ 5	− 3	+ 0	+ 4	− 5	+ 5	− 1	+ 6	+13	1	3.55
82868	16 56 08.85	−50 40 29.2	6.30	2	H	254.036 874 84	−50.674 766 77		4.34	−10.21	−9.55	0.69	0.58	0.82	0.84	0.62	−20	−22	− 9	+19	+12	−10	+ 7	+38	−14	+ 1	0	0.07
82869	16 56 09.37	−37 11 16.6	7.41		H	254.039 055 14	−37.187 956 05	A	6.28	−27.12	−40.69	1.96	1.58	2.01	1.77	1.36	−26	− 5	−26	+ 3	−14	− 3	−10	+ 9	−14	−26	3	1.51
82870	16 56 09.62	+15 23 01.2	6.58		H	254.040 098 39	+15.383 672 08		5.93	−14.33	−1.44	0.58	0.46	0.78	0.67	0.51	+19	−26	−14	+14	+17	− 5	+16	+11	− 3	+36	1	−0.44
*82871	16 56 10.15	+77 39 09.8	6.72		H	254.042 303 03	+77.652 710 94		4.13	−6.86	13.90	0.46	0.50	0.51	0.47	0.62	+ 9	−27	−11	−18	− 4	+ 9	− 5	−19	+ 6	+10	0	−1.14
*82872	16 56 10.08	−65 18 37.0	8.06		G	254.041 989 77	−65.310 290 28		10.34	−24.03	−88.42	0.67	0.63	0.93	0.83	0.72	+ 0	−13	+13	+ 9	−32	−10	−30	+12	+ 6	−15	1	−0.08
82873	16 56 10.53	+27 12 20.8	8.41		H	254.043 880 57	+27.205 781 44		1.36	−2.33	−8.94	0.57	0.74	0.99	0.66	0.90	+ 3	− 3	− 6	−27	− 6	− 5	− 2	+ 5	− 2	− 6	1	1.80
*82874	H 16 56 14.50	−46 50 57.8	7.45		G	254.060 412 89	−46.849 397 84	A	2.63	3.92	−7.45	1.39	1.02	1.32	1.71	1.04	−22	− 7	+ 1	+ 0	+50	− 5	+38	+22	−13	−11	2	0.44
*82875	16 56 14.47	−47 43 28.0	7.75		H	254.060 276 13	−47.724 447 70		7.00	−8.43	−44.43	0.89	0.71	0.94	1.28	0.88	−20	− 9	−14	+ 9	+22	− 3	+22	+43	− 6	−39	0	0.72
82876	H 16 56 15.03	−40 39 35.8	6.70		H	254.062 616 39	−40.659 934 44	*	−2.02	1.99	−2.71	4.30	2.54	1.52	1.40	1.02	−46	−27	−25	+ 7	+ 1	− 7	+ 3	+ 8	− 9	−26	4	0.57
82877	16 56 16.06	−15 21 27.2	8.68		H	254.066 927 39	−15.357 544 06		3.38	7.14	10.53	1.15	0.74	1.37	1.35	1.00	−19	−30	+ 7	+17	−10	−15	+ 5	+58	−11	−33	0	1.30
82878	H 16 56 16.12	−28 05 57.9	8.37		H	254.067 150 03	−28.099 406 58	A	6.18	25.72	−13.51	1.72	1.38	1.58	1.95	1.51	+32	−19	−19	−18	−27	−21	−27	+ 2	−26	+18	1	0.19
82879	16 56 16.72	−61 38 26.1	6.78		H	254.069 655 04	−61.640 583 58		4.49	−1.88	−10.79	0.53	0.50	0.87	0.69	0.61	+ 0	− 9	− 3	− 5	−52	+16	−45	+41	− 8	−14	0	−1.78
82880	16 56 16.74	+73 07 40.5	6.29		H	254.069 739 09	+73.127 916 47		10.27	−0.88	−20.48	0.42	0.46	0.47	0.41	0.56	+ 9	−12	− 1	−15	+ 0	− 9	+ 2	− 8	− 9	+12	1	0.82
*82881	16 56 17.34	−34 06 02.3	9.10		H	254.072 267 57	−34.100 644 47		2.35	−0.11	3.49	1.42	1.06	1.69	1.52	1.10	+13	−37	−31	+ 7	−21	− 5	−10	− 4	−22	+15	0	−0.68
*82882	16 56 17.33	−60 09 37.4	7.97		H	254.072 223 99	−60.160 378 30		4.81	1.57	−14.15	0.61	0.54	1.00	0.72	0.69	+17	−15	− 5	+ 4	− 5	+12	− 8	+23	+ 0	+30	0	−0.44
82883	16 56 18.00	+50 07 36.0	10.08	2	H	254.074 994 77	+50.126 677 36		1.50	−0.84	−20.74	0.96	0.98	1.07	1.12	1.19	+ 7	+10	− 1	+ 3	+ 6	−11	+ 7	− 2	+ 2	+15	1	0.44
82884	16 56 18.16	+52 41 54.4	7.09	3	H	254.075 648 50	+52.698 439 36		7.06	−3.38	−3.86	0.50	0.54	0.55	0.51	0.64	+ 9	+ 8	+ 7	+ 2	+19	−12	+23	+14	− 2	+ 1	1	2.57
82885	16 56 18.27	−35 28 58.2	8.91		H	254.076 112 07	−35.482 844 03		5.94	−4.79	−9.58	1.78	1.05	1.84	1.77	1.09	+38	−57	−39	+57	+29	−30	+29	+34	−28	+38	3	−0.13
82886	16 56 18.78	+74 16 58.2	7.09		H	254.078 235 00	+74.282 831 19		20.20	54.47	−85.33	0.51	0.51	0.54	0.55	0.63	+ 6	− 8	−15	−21	+ 4	−21	+ 2	−13	− 2	+ 5	0	1.46
82887	16 56 19.04	+69 00 31.2	9.53		H	254.079 351 12	+69.008 653 96		15.62	51.96	−140.22	0.79	0.89	0.86	0.81	1.13	+ 8	−13	− 1	+ 2	+19	− 4	+21	+10	+ 4	+18	0	−2.20
82888	16 56 19.94	−31 22 53.4	9.07		H	254.083 094 02	−31.381 508 46		3.00	3.82	−16.95	1.34	0.96	1.46	1.51	1.08	− 3	−21	−10	+ 4	− 8	− 4	− 6	+12	− 8	−21	0	0.21
82889	16 56 20.13	+22 06 25.1	8.20		H	254.083 891 73	+22.106 960 60		2.95	−6.23	−3.00	0.74	0.73	1.08	0.91	0.95	+ 5	− 7	−27	+ 0	+24	+ 1	+20	+27	−12	+32	0	0.96
82890	16 56 21.88	+11 36 57.1	8.98		H	254.091 167 25	+11.615 854 82		3.96	−8.03	14.78	0.98	0.72	1.16	1.07	0.81	+23	−29	−17	+39	+23	+ 5	+27	+30	−17	+18	0	−0.08
82891	16 56 21.93	+62 22 11.5	6.90		H	254.091 387 64	+62.369 864 74		6.54	−14.67	10.31	0.47	0.49	0.50	0.48	0.56	+ 7	−21	− 4	+ 8	+ 9	−11	+ 8	+20	− 9	+19	0	0.58
82892	16 56 22.05	+16 17 07.0	7.24		H	254.091 856 85	+16.285 275 29		10.60	−20.50	−8.53	0.57	0.46	0.78	0.78	0.54	− 5	−17	− 2	+ 8	+14	−14	+13	+ 5	− 4	+32	0	−1.46
82893	16 56 22.65	+31 00 40.6	8.14		H	254.094 364 24	+31.011 279 23		2.50	−13.27	−11.36	0.53	0.64	0.83	0.57	0.81	+ 0	−13	− 8	+ 9	− 8	−11	− 4	+24	−26	− 9	0	0.72
82894	16 56 24.14	+80 51 34.4	6.64		H	254.100 594 93	+80.859 552 90		5.04	0.42	9.08	0.46	0.42	0.50	0.49	0.52	+23	−14	+ 0	+22	+20	− 4	+23	+ 5	−11	+24	0	−0.42
82895	16 56 24.27	+42 39 14.2	9.64		H	254.101 109 24	+42.653 937 84		3.14	−13.95	−13.22	0.79	0.90	0.98	0.82	1.07	+12	− 7	+ 2	−12	+ 0	+ 2	+ 0	−10	− 1	+10	0	−2.38
82896	16 56 24.27	+68 01 28.3	8.70		H	254.101 121 94	+68.024 520 93		19.73	−73.74	263.02	0.65	0.72	0.70	0.72	0.87	+ 7	− 4	− 3	− 1	+11	− 1	+13	− 5	+ 2	+24	0	−2.54
82897	16 56 25.04	−50 34 57.1	10.11		H	254.104 319 48	−50.582 539 81		11.35	22.96	−53.10	1.60	1.32	1.88	2.11	1.53	−26	−21	−13	+ 4	+16	−12	+13	+28	−24	−14	0	−0.42
82898	H 16 56 25.32	+65 02 20.6	6

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
82801	10.341	0.029	8.541	0.012		1.490	0.015	G	1.49	0.09	H	8.5119	0.0016	0.016	117		8.49	8.54		C			1							
82802	7.210	0.005	5.517	0.002		1.407	0.001	G	1.39	0.00	H	5.4944	0.0007	0.008	148		5.48	5.51			16553+1826	I 1	1							S
82803	8.234	0.009	7.597	0.008		0.584	0.015	G	0.66	0.01	H	7.6684	0.0015	0.013	116		7.65	7.69					1							S
82804	7.176	0.004	7.246	0.005		−0.059	0.006	T	−0.04	0.01	L	7.2412	0.0007	0.009	180		7.23	7.26		C			1							S
82805	9.074	0.017	8.801	0.018		0.260	0.023	T	0.29	0.03	L	8.8035	0.0021	0.015	101		8.78	8.83					1							
82806	6.067	0.002	6.011	0.003		0.059	0.003	G	0.07	0.00	H	6.0210	0.0007	0.007	161		6.01	6.04			16554−6316	I 1	1							S
82807	10.461	0.040	8.516	0.015		1.614	0.034	T	1.64	0.04	L	8.4748	0.0015	0.012	80		8.46	8.49		C			1							
82808	11.849	0.108	9.821	0.027		1.680	0.089	T	1.70	0.09	L	9.8271	0.0038	0.031	104		9.73	9.90					1							
82809						1.700	0.006	G	2.75	0.02	A	11.7083	0.0097	0.061	93		11.60	11.83		R	16555−0820	I 2	1							G
82810	10.691	0.051	10.190	0.051		0.471	0.065	T	0.54	0.07	L	10.1780	0.0034	0.026	75		10.13	10.21		C			1							G
82811	11.057	0.062	10.119	0.042		0.900	0.015	G	0.94	0.01	I	10.1213	0.0036	0.026	98		10.07	10.17					1							G
82812	11.129	0.103	10.428	0.091		0.651	0.015	G	0.71	0.01	H	10.6270	0.0069	0.046	42		10.46	10.68					1							G
82813	10.858	0.034	9.092	0.013		1.472	0.029	T	1.49	0.04	L	9.0635	0.0014	0.023	187		9.02	9.11					1							
82814	9.425	0.012	9.071	0.013		0.336	0.016	T	0.39	0.02	L	9.1168	0.0025	0.034	172		9.06	9.18		U	16555+2322	I 1	1	S						
82815	9.689	0.023	9.092	0.021	A	0.700	0.495	G	0.63	0.02	L *	9.1043	0.0032	0.020	85	*	9.07	9.14		D	16555−1154	I 1	2 C	A	AB	64	5.012	0.034	2.53	0.09	
82816	8.530	0.013	8.356	0.016		0.159	0.020	T	0.18	0.02	L	8.3685	0.0020	0.017	71		8.33	8.44					1							
82817	10.982	0.054	9.205	0.019	*	1.553	0.020	G	2.46	0.00	A *	9.0139	0.0023	0.023	101	*	8.97	9.05		D	16555−0820	I 2	2 C	C	AS	340	0.176	0.008	0.08	0.21	
82818	11.053	0.083	9.781	0.043		1.029	0.015	G	1.00	0.01	H	9.9524	0.0044	0.023	48		9.91	9.98		C			1							G
82819	8.749	0.027	8.553	0.031		0.187	0.039	T	0.21	0.04	L	8.5964	0.0075	0.098	54		8.55	8.78	5.35	P 1 A	16555−3928	I 1	1	S						D
82820						1.699	0.218	G	2.87	0.65	I	11.4884	0.0041	0.059	144		11.41	11.59					1							G
82821	9.360	0.027	7.895	0.015		1.234	0.024	T	1.19	0.02	L	7.9162	0.0025	0.012	48		7.90	7.94		C			1							
82822	6.784	0.005	6.663	0.005	*	0.117	0.007	T	0.13	0.01	L *	6.6648	0.0015	0.008	56	*	6.65	6.69		D	16555−2134	I 1	2 C	A	AB	12	0.367	0.002	0.29	0.02	S
82823	8.975	0.009	8.415	0.008		0.527	0.015	G	0.60	0.02	H	8.4780	0.0014	0.018	207		8.44	8.51					1							
82824	10.770	0.041	8.909	0.016		1.547	0.035	T	1.61	0.08	L	8.8578	0.0022	0.015	100		8.83	8.88					1							
82825	11.575	0.090	9.798	0.029		1.510	0.078	T	2.05	0.23	K	9.6398	0.0053	0.050	99		9.57	9.72		U 2			1							
82826	9.822	0.030	9.158	0.027	A	−0.200	0.495	G	0.60	0.06	L *	9.1337	0.0029	0.021	81	*	9.11	9.16			16556−4923	I 1	2 C	A	AB	56	4.158	0.032	3.17	0.15	
82827	8.888	0.008	7.360	0.005		1.284	0.007	T	1.24	0.01	L	7.3832	0.0009	0.012	182		7.36	7.40					1							S
82828	10.663	0.045	8.727	0.016		1.606	0.038	T	1.63	0.04	L	8.6580	0.0027	0.020	81		8.62	8.70					1	S						
82829	6.820	0.007	6.763	0.009		0.029	0.002	G	0.05	0.00	H	6.7964	0.0008	0.006	50		6.79	6.81					1							S
82830	11.918	0.110	10.998	0.081		0.800	0.106	T	0.84	0.11	L	10.9694	0.0054	0.055	142		10.88	11.06					1							G
82831	10.396	0.036	8.656	0.015	A	1.451	0.031	T	1.45	0.05	L	8.6889	0.0075	0.030	91	A	8.66	8.81		D	16556−0227	I 1	2 C	A	AB	248	12.470	0.015	1.87	0.05	
82832	9.481	0.042	7.436	0.018		1.810	0.015	G	1.79	0.01	J	7.3790	0.0026	0.016	56		7.35	7.41		U	16556−3930	I 1	1							S
82833	9.824	0.041	8.272	0.019		1.500	0.510	G	3.92	0.96	K	9.8314	0.0220	1.918	84		6.17	10.51	319.20	P 1 B			1	S						G P
82834	11.477	0.116	9.843	0.043		1.378	0.005	G	1.62	0.01	I	9.6767	0.0029	0.021	62		9.63	9.72		C			1							G
82835	11.237	0.060	10.094	0.035		0.900	0.015	G	0.94	0.02	I	10.1497	0.0022	0.018	126		10.12	10.18		C			1							G
82836	9.168	0.014	8.614	0.013		0.519	0.017	T	0.59	0.02	L	8.6487	0.0016	0.014	108		8.62	8.67		C			1							S
82837	7.911	0.007	7.459	0.008		0.455	0.001	G	0.52	0.00	H	7.4997	0.0011	0.012	118		7.48	7.52		C			1							S
82838	8.905	0.010	8.893	0.012		0.016	0.014	T	0.04	0.01	L	8.8960	0.0022	0.024	154		8.86	8.94					1							
82839	7.604	0.009	7.570	0.014		0.036	0.015	T	0.05	0.01	L	7.6048	0.0015	0.009	55		7.59	7.62		C			1							S
82840	10.316	0.024	8.399	0.010		1.591	0.021	T	1.61	0.02	L	8.2775	0.0024	0.020	113		8.25	8.31		U			1							
82841	6.749	0.005	6.783	0.005		−0.026	0.006	T	0.00	0.01	L	6.7833	0.0005	0.007	108		6.77	6.80		C			1							S
82842	11.161	0.076	10.480	0.066		0.639	0.020	G	0.70	0.02	H	10.4760	0.0022	0.021	78		10.42	10.50		C			1							G
82843	10.001	0.018	8.821	0.011		1.011	0.016	T	0.99	0.01	L	8.8898	0.0018	0.020	168		8.84	8.93					1							
82844	12.342	0.194	10.696	0.069		1.567	0.197	G	2.51	0.82	I	10.7758	0.0047	0.038	102		10.68	10.84					1							G
82845	9.035	0.015	7.574	0.008		1.231	0.013	T	1.19	0.01	L	7.5883	0.0012	0.013	114		7.57	7.61					1							S
82847	8.869	0.014	7.596	0.009		1.084	0.013	T	1.05	0.01	L	7.6539	0.0009	0.007	113		7.64	7.67		C			1							S
82848	7.619	0.010	7.659	0.011		−0.032	0.014	T	−0.01	0.01	L	7.6715	0.0047	0.024	64		7.64	7.71	1.92	P 1 A			1							S
82849	9.951	0.027	8.853	0.019		0.948	0.025	T	0.94	0.02	L	8.8911	0.0016	0.012	74		8.86	8.91		C			1							
82850	8.339	0.014	8.296	0.017		0.044	0.020	T	0.06	0.02	L	8.3115	0.0017	0.013	55		8.29	8.34		C			1							
82851	10.653	0.029	9.467	0.017		0.954	0.002	G	1.00	0.00	I	9.5282	0.0023	0.028	199		9.48	9.58		C			1	S						
82852	11.564	0.145	9.497	0.039		1.711	0.120	T	1.74	0.12	L	9.5124	0.0042	0.025	58		9.47	9.55					1	S						G
82853	9.810	0.017	9.055	0.014		0.674	0.017	T	0.73	0.01	L	9.1243	0.0018	0.020	145		9.09	9.16					1							
82854	9.913	0.028	9.302	0.025		0.548	0.015	G	0.62	0.01	H	9.3539	0.0019	0.020	91		9.33	9.40		C			1							
82855	8.625	0.019	6.513	0.008		1.747	0.016	T	1.77	0.02	L	6.3866	0.0018	0.011	37		6.37	6.40					1							S
82856	10.367	0.025	9.034	0.014		1.131	0.022	T	1.09	0.02	L	9.0684	0.0018	0.017	136		9.04	9.11					1							
82857	9.374	0.011	8.367	0.008		0.879	0.010	T	0.89	0.01	L	8.4202	0.0013	0.017	213		8.39	8.46					1							
82858	11.193	0.107	10.335	0.076		0.511	0.020	G	0.58	0.02	H	10.4172	0.0040	0.033	44		10.30	10.46					1							G
82859	10.032	0.016	8.861	0.010		1.004	0.015	T	0.98	0.01	L	8.9167	0.0016	0.020	234		8.88	8.95					1							
82860	5.462	0.003	4.936	0.003		0.481	0.007	G	0.56	0.03	C	4.9849	0.0006	0.006	87		4.98	5.00					1 O							S
82861	7.543	0.007	6.439	0.004		0.952	0.006	T	0.94	0.00	L	6.4944	0.0008	0.007	105		6.49	6.51			16560−1648	I 1	1							S
82862	9.584	0.021	9.106	0.021		0.456	0.015	G	0.53	0.02	H	9.1362	0.0018	0.016	67		9.11	9.16		C			1							
82863	11.685	0.083	10.028	0.030		1.386	0.070	T	1.36	0.09	L	10.0676	0.0021	0.028	144		10.01	10.14					1							G
82864	7.414	0.005	7.057	0.006		0.311	0.009	G	0.36	0.01	H	7.1068	0.0010	0.008	116		7.09	7.12		C			1							S
82865	9.483	0.019	7.849	0.010		1.367	0.017	T	1.34	0.02	L	7.8528	0.0014	0.011	91		7.83	7.87		C			1							
82866	9.343	0.026	8.224	0.018		0.964	0.025	T	0.95	0.02	L	8.2754	0.0027	0.015	75		8.25	8.30					1							
82867	8.713	0.011	6.787	0.005		1.633	0.010	T	1.86	0.04	O	6.6931	0.0016	0.017	100		6.67	6.72		U 2			1							S
82868	6.285	0.007	6.305	0.007		−0.016	0.009	T	0.01	0.01	L	6.3047	0.0031	0.027	67		6.27	6.37		U 2			1							S P
82869	8.740	0.018	7.512	0.012	A	1.049	0.017	T	1.02	0.01	L	7.5778	0.0214	0.025	63	A	7.55	7.61			16562−3711	I 1	2 C	D	AB	317	17.312	0.040	2.58	0.22	D
82870	8.193	0.008	6.726	0.006		1.236	0.008	T	1.19	0.01	L	6.7463	0.0009	0.008	107		6.74	6.76		C			1							S
82871	6.708	0.004	6.718	0.006		−0.004	0.007	T	0.02	0.01	L	6.7273	0.0006	0.007	119		6.72	6.75		C			1							S
82872	8.701	0.008	8.123	0.008		0.531	0.015	G	0.60	0.02	H	8.1703	0.0016	0.017	155		8.14	8.20			16562−6519	I 1	1							S
82873	9.982	0.020	8.522	0.011		1.230	0.018	T	1.19	0.02	L	8.5738	0.0014	0.020	173		8.53	8.61					1							
82874	7.801	0.009	7.744	0.012	A	0.061	0.001	G	0.07	0.00	H *	7.4810	0.0010	0.009	94	*	7.46	7.50		D	16562−4651	I 1	2 C	A	AB	25	3.994	0.003	1.25	0.02	S
82875	8.109	0.013	7.778	0.014		0.302	0.002	G	0.35	0.00	H	7.8229	0.0014	0.011	87		7.80	7.84		C			1							S
82876	6.759	0.006	6.715	0.009	*	0.045	0.010	T	0.06	0.01	L *	6.7237	0.0024	0.012	47	*	6.71	6.75		D	16563−4040	H 1	2 C	A	AB	315	0.230	0.017	1.28	0.13	S D
82877	11.091	0.061	8.972	0.018		1.752	0.051	T	1.78	0.05	L	8.7729	0.0018	0.014	92		8.74	8.80					1	S						
82878	9.097	0.026	8.431	0.023	*	0.607	0.026	T	0.68	0.02	L *	8.5042	0.0026	0.014	52	*	8.49	8.54		D	16563−2806	I 1	2 C	A	AB	170	0.519	0.009	2.19	0.04	
82879	6.829	0.003	6.778	0.004		0.052	0.005	T	0.06	0.00	L	6.7998	0.0006	0.009	227		6.78	6.82					1							S
82880	6.593	0.003	6.318	0.004		0.259	0.005	T	0.29	0.01	L	6.3582	0.0007	0.006	119		6.35	6.37		C			1							S
82881	10.799	0.062	9.211	0.029		1.331	0.054	T	1.29	0.06	L	9.2605	0.0036	0.021	47		9.23	9.30		C			1							G
82882	7.949	0.008	7.963	0.009		−0.008	0.011	T	0.01	0.01	L	7.9795	0.0013	0.015	153		7.95	8.01		C			1							S
82883	10.502	0.036	9.994	0.036		0.477	0.046	T	0.55	0.05	L	10.1847	0.0062	0.050	102		10.10	10.27	0.13	P 1 A			1							
82884	7.175	0.019	7.115	0.016		0.054	0.022	T	0.07	0.02	L	7.1127	0.0064	0.087	96		7.08	7.69	1.20	P 1 A			1							S
82885	9.237	0.023	8.917	0.025		0.304	0.032	T	0.35	0.04	L	8.9896	0.0025	0.018	49		8.94	9.02		C			1 G							
82886	7.668	0.007	7.143	0.007		0.493	0.009	T	0.57	0.01	L	7.1951	0.0007	0.007	107		7.19	7.21		C	16563+7417	I 1	1	S						S
82887	10.623	0.041	9.635	0.029		0.853	0.039	T	0.90	0.04	L	9.6653	0.0028	0.025	92		9.63	9.71					1							
82888	10.475	0.054	9.218	0.032		1.071	0.049	T	1.04	0.04	L	9.2412	0.0034	0.022	63		9.20	9.28		C	16563−3123	I 1	1							
82889	8.454	0.009	8.220	0.010		0.223	0.013	T	0.25	0.01	L	8.2698	0.0016	0.018	106		8.24	8.30					1							S
82890	9.347	0.015	9.015	0.016		0.315	0.021	T	0.36	0.03	L	9.0570	0.0023	0.024	106		9.01	9.10					1							
82891	7.050	0.005	6.918	0.005		0.127	0.007	T	0.14	0.01	L	6.9505	0.0008	0.009	111		6.94	6.96					1							S
82892	7.526	0.005	7.261	0.005		0.252	0.007	T	0.28	0.01	L	7.3057	0.0009	0.012	142		7.29	7.33					1							S
82893	8.342	0.008	8.160	0.009		0.174	0.011	T	0.19	0.01	L	8.1942	0.0015	0.016	144		8.16	8.23					1							S
82894	7.903	0.007	6.743	0.005		0.996	0.007	T	0.97	0.01	L	6.8086	0.0009	0.009	122		6.80	6.82		C			1							S
82895	10.184	0.027	9.691	0.028		0.464	0.035	T	0.53	0.04	L	9.7439	0.0020	0.021	110		9.70	9.79		C			1							
82896	9.467	0.020	8.768	0.017		0.659	0.010	G	0.72	0.01	H	8.8354	0.0017	0.016	108		8.82	8.87					1							
82897	10.941	0.096	10.263	0.088		0.616	0.098	T	0.68	0.09	L	10.2431	0.0042	0.025	69		10.19	10.28					1							G
82898	6.854	0.011	6.481	0.012	*	0.383	0.007	G	0.45	0.01	H *	6.4894	0.0012	0.011	92	*	6.48	6.51		U 2	16564+6502	I 1	2 C	A	AB	69	1.123	0.002	0.24	0.01	S P
82899											T	12.4142	0.0585	0.494	106		11.73	13.09		D	16565−5751	I 2		S						D G
82900	9.836	0.027	8.675	0.018		0.997	0.025	T	0.98	0.02	L	8.7191	0.0020	0.015	75		8.70	8.75					1							

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)										Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
82901	16 56 27.99	−00 17 01.9	10.80	H	254.116 614 60	−00.283 847 81	8.75	23.50	−66.15	2.38	1.40	2.60	2.71	1.68	+12	−41	−37	+52	− 2	− 2	+12	+60	−37	− 4	0	1.18
82902	16 56 28.80	−52 17 01.1	5.94	H	254.120 008 22	−52.283 643 31	10.35	−35.74	−42.44	0.72	0.62	0.82	0.99	0.70	−11	−13	−24	+15	+33	+ 3	+27	+25	+ 1	−10	0	2.05
82903	16 56 28.83	+00 41 13.1	9.93	H	254.120 130 59	+00.686 958 83	1.91	12.86	1.75	1.34	0.91	1.43	1.70	1.11	− 7	−11	−12	+42	− 8	+10	− 6	+49	−12	− 3	0	−1.71
82904	16 56 30.10	−57 51 09.1	11.70	G																						
82905	16 56 30.18	−04 10 01.4	9.95	H	254.125 770 63	−04.167 065 49	3.68	−5.99	7.77	1.56	0.92	1.62	2.26	1.18	+ 9	− 6	− 3	+35	+15	− 6	+14	+44	−17	+30	0	−1.05
82906	16 56 30.57	+49 59 21.0	9.03	H	254.127 370 16	+49.989 179 44	1.66	−9.97	−4.42	0.80	0.86	0.91	1.00	1.09	+ 9	+ 5	+ 3	−10	− 1	− 6	− 1	−12	+ 3	+17	0	2.06
*82907	16 56 32.89	−63 53 01.5	8.80	1 H	254.137 024 91	−63.883 757 02	5.67	−9.07	−30.02	0.72	0.70	1.13	0.83	0.82	+13	−10	−17	−26	−36	+ 5	−31	+ 6	+13	− 7	0	−0.05
*82908	16 56 32.88	−66 06 32.2	7.93	H	254.137 013 98	−66.108 939 20	4.78	−13.14	−13.33	0.58	0.55	0.80	0.66	0.66	− 8	−14	+ 3	+ 7	−33	+ 0	−31	+17	− 9	−18	0	1.26
82909 H	16 56 33.38	+10 14 21.5	9.36	H	254.139 067 52	+10.239 300 09 A	8.37	−6.41	−49.79	3.09	2.77	3.37	2.85	2.21	+42	−25	−16	+35	+27	− 4	+36	+19	− 8	+51	0	0.84
82910 H	16 56 34.99	+57 11 17.2	8.87	G	254.145 773 95	+57.188 109 13 B	11.90	27.48	−16.30	3.07	2.78	1.66	1.98	1.70	−12	+ 2	+ 3	−11	− 1	−19	+ 0	−14	− 6	−19	0	−1.11
82911	16 56 35.98	−40 49 24.4	6.18	2 T	254.149 908 52	−40.823 452 59	−0.86	0.30	−0.17	0.78	0.65	0.84	1.03	0.79	−39	−14	−20	−14	+25	−21	+18	−16	+21	−56	3	1.52
82912	16 56 37.85	−30 34 48.1	6.97	3 H	254.157 689 84	−30.580 038 13 *	2.84	−9.32	−8.57	1.24	1.06	1.30	1.44	1.16	−42	+11	−31	+22	−30	+20	−24	+43	−19	−56	3	1.01
82913	16 56 38.54	+03 39 42.0	9.04	H	254.160 589 44	+03.661 657 80	6.17	10.06	10.73	1.35	0.79	1.29	1.62	0.92	+ 1	−14	−19	+61	+ 7	+12	+13	+47	−21	+ 4	0	1.02
82914	16 56 38.94	−54 18 35.6	9.36	H	254.162 259 33	−54.309 882 12	6.04	−21.78	−57.74	1.18	0.99	1.47	1.26	1.07	− 7	−29	−28	+28	− 5	+ 3	+ 1	+38	−19	−24	0	1.02
82915 H	16 56 39.14	+15 38 34.1	7.67	G	254.163 064 51	+15.642 808 27 *	11.61	−2.48	−40.97	0.69	0.56	0.90	0.83	0.65	+26	−27	− 8	+15	+22	− 8	+19	+15	+ 4	+44	0	−0.40
82916	16 56 39.37	+55 30 11.9	8.77	H	254.164 047 84	+55.503 303 93	1.48	−12.93	9.27	0.78	0.69	0.80	0.84	0.76	− 7	− 9	+17	−27	+ 4	+15	+ 3	−12	− 9	−10	0	0.57
82917	16 56 39.38	−43 56 51.8	8.45	H	254.164 068 77	−43.947 720 87	4.95	3.43	6.53	1.15	0.66	1.34	1.15	0.78	+16	−43	−17	+23	+33	+15	+48	+52	−48	+ 4	0	−0.65
82918 H	16 56 39.66	+14 08 24.7	6.77	H	254.165 260 48	+14.140 193 56 A	7.94	−12.29	24.13	0.79	0.66	0.96	0.98	0.74	− 1	− 3	− 4	+11	+11	+ 4	+11	+13	+ 0	+21	2	−0.67
82919	16 56 41.06	−22 40 27.2	9.86	G	254.171 098 95	−22.674 223 27	4.95	−11.10	−3.01	1.78	1.14	2.08	2.15	1.29	− 4	−38	−28	+ 1	+ 6	−21	+ 3	+11	+ 2	−36	0	1.56
82920	16 56 42.09	+26 04 04.8	9.15	2 H	254.175 358 64	+26.067 991 00	2.86	−4.44	−16.35	0.67	0.84	1.22	0.85	1.03	+13	−15	−15	− 5	− 1	+ 1	+ 1	+ 8	−15	+12	2	−0.33
82921	16 56 44.55	−10 57 05.0	9.04	H	254.185 604 42	−10.951 394 06	9.98	22.30	39.77	1.30	0.75	1.44	1.62	0.91	−11	−34	− 3	+52	− 4	−13	− 1	+72	−23	+ 8	0	1.25
82922	16 56 45.52	−74 38 45.7	8.82	H	254.189 682 50	−74.646 026 87	4.11	−2.46	−21.71	0.67	0.84	1.09	0.80	1.06	+ 0	−18	+12	+ 9	− 9	− 8	− 6	+27	−15	+ 6	2	−0.23
82923	16 56 45.81	−67 09 51.4	7.57	H	254.190 875 49	−67.164 284 59	3.96	−4.11	−16.56	0.55	0.57	0.82	0.58	0.62	+ 4	−17	− 8	−10	−19	+ 1	−18	+13	− 1	− 3	0	0.77
82925 H	16 56 48.04	−23 09 01.2	5.57	G	254.200 159 18	−23.150 321 78 A	8.99	−2.29	−9.89	1.41	1.02	1.32	1.68	1.07	−25	−20	−28	−27	+34	−36	+21	−33	+ 6	−45	1	1.54
82926 H	16 56 48.52	−39 05 37.2	11.18	H	254.202 160 85	−39.093 659 55 A	68.71	65.79	−109.38	5.38	3.96	5.02	6.17	4.67	+ 0	−30	−15	−15	− 9	+ 2	−11	+ 4	− 6	− 3	0	0.69
82927	16 56 48.72	+61 28 30.4	7.32	H	254.202 988 54	+61.475 100 52	4.69	−8.33	7.25	0.50	0.52	0.53	0.53	0.60	+ 1	−14	−14	−24	+ 2	− 5	− 1	+ 3	− 1	+ 9	0	0.58
82928	16 56 49.81	+29 35 22.7	8.25	H	254.207 551 24	+29.589 637 61	6.91	30.19	−14.07	0.59	0.68	0.92	0.64	0.80	+10	+ 3	−15	+ 8	+ 6	−12	+ 4	+ 7	−18	+ 4	0	0.81
82929	16 56 51.12	+06 30 04.8	7.33	G	254.213 001 90	+06.501 330 99	2.45	−10.55	−1.27	1.15	0.72	1.14	1.26	0.84	+14	−25	−24	+71	+ 8	− 3	+ 4	+54	− 6	−10	0	1.92
82930 H	16 56 52.16	−60 57 25.0	8.34	H	254.217 344 40	−60.956 954 61 A	25.67	4.82	46.72	1.71	1.59	2.47	1.93	1.82	+22	−24	−26	− 8	−27	+19	−19	+39	−13	+ 8	6	1.24
*82931	16 56 53.04	+86 50 16.4	9.16	H	254.221 002 98	+86.837 894 92	7.60	−30.71	56.15	0.76	0.87	0.88	0.93	0.99	+14	− 9	−13	− 2	+21	− 1	+19	+23	− 9	+20	3	−0.70
*82932	16 56 52.34	−61 59 42.5	8.64	H	254.218 091 14	−61.995 135 83	3.17	1.56	−8.08	0.72	0.71	1.16	0.92	0.88	− 5	−11	− 4	+ 6	−53	+14	−48	+41	− 3	−19	0	−0.56
*82933	16 56 52.44	+28 19 18.0	8.77	H	254.218 480 30	+28.321 656 88	4.59	−8.51	25.43	0.63	0.75	0.98	0.72	0.86	+ 4	−11	− 1	+ 2	− 2	− 8	− 2	+21	− 2	+ 6	1	−0.12
82934	16 56 53.43	−42 47 29.8	9.63	G	254.222 604 22	−42.791 615 45	−0.93	−1.94	−11.32	1.73	1.08	1.94	2.11	1.39	−24	−31	−11	−13	+ 3	+10	+19	+31	−34	−44	3	−1.22
82935	16 56 53.69	−02 02 55.4	8.26	H	254.223 689 47	−02.048 714 17	13.54	−28.76	45.17	1.04	0.62	1.14	1.01	0.70	−14	−48	+ 6	+42	− 7	−11	− 2	+56	− 8	−15	0	0.07
*82936 H	16 56 54.67	−40 30 44.4	7.10	2 H	254.227 788 38	−40.512 337 18 A	1.20	0.45	−1.78	1.47	1.04	1.46	1.43	1.02	+22	−36	−42	+ 9	−13	+ 0	− 8	+22	− 2	−20	6	0.73
*82937	16 56 54.66	+45 51 43.6	8.79	H	254.227 756 60	+45.862 112 42	2.35	−3.27	−2.41	0.69	0.79	0.85	0.81	0.97	− 2	−13	− 7	−12	+15	+ 9	+12	−16	+24	+13	0	−0.76
82938	16 56 55.43	+33 43 07.2	9.23	H	254.230 976 25	+33.718 659 02	4.97	−8.63	3.15	0.76	0.94	1.09	0.90	1.11	+12	+ 0	+ 4	+20	+19	−19	+20	+18	+ 6	+14	0	−0.01
82939	16 56 56.20	+57 08 32.3	9.32	H	254.234 158 93	+57.142 294 24	2.96	−6.74	−2.51	0.74	0.73	0.82	0.87	0.76	− 3	+ 5	+ 6	− 8	+ 2	−16	+ 2	−14	−11	− 8	1	0.64
82940	16 56 56.39	+29 06 59.6	8.89	1 H	254.234 978 89	+29.116 562 05	−0.56	−3.79	3.04	0.73	0.84	1.12	0.83	1.01	− 3	−18	+ 5	− 8	− 1	−17	+ 1	+ 5	− 9	+ 2	0	0.48
82941	16 56 56.77	−28 23 40.5	10.10	H	254.236 538 12	−28.394 577 23	0.23	−0.28	−6.32	2.21	1.55	2.22	2.48	1.84	+20	−34	−11	+ 2	−27	−24	−22	+26	− 3	− 5	0	2.48
82942	16 56 57.66	−13 11 49.5	10.08	G	254.240 233 36	−13.197 080 00	0.52	−5.55	−9.98	1.70	1.14	1.94	2.29	1.40	−32	+ 8	−13	+45	−22	+ 3	−26	+75	−29	−26	0	−0.59
*82943 H	16 56 59.70	−38 26 00.0	7.81	G	254.248 758 00	−38.433 341 65 A	4.87	10.77	−20.16	2.22	1.43	2.04	1.85	1.36	+26	−31	−27	− 1	+ 9	+ 1	+16	+ 4	+ 0	+ 2	2	−0.22
82944	16 57 01.06	−71 06 41.6	6.46	G	254.254 436 44	−71.111 557 01	1.96	−8.47	−35.91	0.34	0.46	0.66	0.36	0.54	+11	−12	− 3	+ 6	− 7	−15	−11	+15	+11	+10	0	−0.26
82945	16 57 01.16	−03 48 53.8	9.73	H	254.254 846 75	−03.814 935 83	−2.82	22.68	−8.73	1.39	0.84	1.66	1.47	1.01	+ 3	−38	− 2	+26	− 4	−18	+ 5	+49	−26	+ 8	0	−0.43
82946	16 57 01.39	+12 57 49.2	7.84	H	254.255 800 45	+12.963 661 63	3.81	−15.32	−8.46	0.62	0.54	1.01	0.80	0.67	− 4	−21	− 2	+13	+13	+15	+ 7	+25	+15	+19	0	0.24
82947	16 57 01.73	+18 14 01.7	7.49	H	254.257 220 93	+18.233 795 01	4.30	−10.26	−1.30	0.57	0.56	1.00	0.72	0.70	− 1	−25	−17	+ 2	+21	−16	+24	+ 4	−32	+39	3	−0.89
82948	16 57 02.56	+17 05 52.0	9.99	H	254.260 683 53	+17.097 767 34	8.99	−131.96	−143.71	0.87	0.92	1.53	1.32	1.14	−20	− 6	−20	+25	+25	− 7	+29	+ 8	− 1	+35	0	0.04
*82949	16 57 02.84	+57 56 40.1	8.98	H	254.261 828 84	+57.944 481 38	0.53	−1.47	−4.86	0.79	0.70	0.79	0.86	0.83	− 2	−12	− 4	+30	− 2	− 1	− 1	+ 8	−16	− 4	0	−0.63
*82950	16 57 02.78	−59 16 44.7	9.30	H	254.261 578 59	−59.279 090 62	12.06	−6.22	−77.14	0.89	0.92	1.58	1.14	1.18	− 5	−17	−21	+ 7	− 5	+27	− 3	−11	+26	+ 6	2	1.63
82951 H	16 57 03.99	−19 32 23.4	6.27	G	254.266 633 64	−19.539 839 23 A	4.78	−18.97	−7.04	1.72	1.50	1.48	2.01	1.75	+ 0	−39	−26	+10	−15	− 6	− 8	+30	+ 0	−38	23	1.47
82952	16 57 04.46	−46 08 37.4	8.69	G	254.268 573 08	−46.143 729 67	3.70	1.15	−7.65	1.20	0.76	1.30	1.52	0.83	−20	−11	−16	+ 1	+33	−18	+30	+41	−19	−24	0	−1.53
82953	16 57 05.18	+39 06 17.7	10.44	H	254.271 586 49	+39.104 909 01	−0.46	−3.57	5.99	1.71	1.95	2.18	1.92	2.29	+ 9	−17	−16	−17	− 1	+ 2	− 1	−10	+ 3	+ 3	0	
82954	16 57 06.05	−64 11 19.6	8.01	H	254.275 214 98	−64.188 773 96	21.92	8.09	−37.22	0.63	0.62	1.02	0.72	0.72	+ 2	−19	− 9	+ 9	−22	+ 4	−18	+31	+ 0	−15	0	−0.77
82955	16 57 06.79	+14 40 25.2	7.46	H	254.278 302 33	+14.673 677 49	2.36	4.44	−9.48	0.71	0.56	0.98	0.74	0.60	+23	−35	−32	+29	+ 9	+ 3	+13	+20	− 6	+19	0	−0.40
82956	16 57 08.19	−17 49 08.9	8.17	G	254.284 133 35	−17.819 125 37	19.08	−57.14	−144.13	1.14	0.82	1.20	1.53	0.99	−42	−12	−26	−10	+19	+ 6	+18	+ 7	− 6	−62	0	0.14
82957	16 57 10.12	+50 59 36.7	9.64	H	254.292 173 59	+50.993 525 39	6.56	−65.94	38.40	0.82	0.99	0.98	0.88	1.18	+ 7	−15	+ 9	+ 9	+ 9	−11	+12	+14	− 1	− 2	0	−1.75
82958	16 57 10.18	+51 53 56.4	7.51	1 H	254.292 425 84	+51.899 001 26	2.73	−7.18	15.73	0.59	0.60	0.62	0.70	0.76	+ 2	+ 9	+ 4	+34	+11	+10	+ 8	+23	−18	−16	1	1.05
82959	16 57 10.69	+35 17 11.6	8.13	H	254.294 562 28	+35.286 542 69	0.84	0.51	−2.36	0.60	0.70	0.83	0.62	0.75	+ 2	−16	− 6	+ 3	+19	−23	+21	+ 3	−12	+ 6	0	−0.11
82960	16 57 11.17	−33 15 34.1	5.48	1 H	254.296 550 15	−33.259 468 90	4.50	5.93	−9.61	0.83	0.58	0.89	0.99	0.68	+19	−37	−26	+27	−10	− 4	+ 1	+14	−19	+27	0	−0.90
82961	16 57 12.32	−05 40 56.2	9.39	H	254.301 332 79	−05.682 281 23	2.13	−9.51	−2.39	1.47	0.87	1.54	1.53	0.98	−21	−53	+ 3	+47	−15	−17	− 6	+60	−14	−18	0	0.41
82962	16 57 12.61	+32 14 01.1	7.50	H	254.302 523 14	+32.233 651 82	5.30	−0.74	−20.93	0.54	0.64	0.77	0.66	0.87	+ 4	−10	+ 5	+ 9	+ 4	+ 1	+ 1	+29	+ 4	+17	0	1.67
82963	16 57 13.06	+22 46 14.8	9.35	H	254.304 411 24	+22.770 782 52	1.29	3.62	−30.94	0.74	0.92	1.37	0.84	1.16	− 2	−14	−30	−51	− 1	+ 8	+12	+ 9	− 7	−24	0	−0.18
82964	16 57 13.69	+71 27 46.9	8.14	H	254.307 045 45	+71.463 017 61	19.75	−190.01	86.03	0.65	0.64	0.68	0.72	0.88	+ 7	−24	− 4	−21	−12	− 2	−17	+ 0	+14	+ 8	0	−1.88
82965	16 57 13.84	+10 31 38.3	7.68	H	254.307 664 09	+10.527 306 52	3.70	19.19	2.79	0.72	0.52	0.97	0.79	0.58	+29	−37	−21	+11	+28	−17	+29	+ 9	−17	+42	3	1.15
82966	16 57 15.80	+59 30 29.4	8.55	H	254.315 844 69	+59.508 160 19	8.61	44.43	64.49	0.77	0.67	0.77	0.95	0.74	+ 0	− 3	−17	−10	+ 3	−18	− 1	+ 2	−12	+14	0	1.05
82967	16 57 16.76	+10 59 52.3	10.56	2 H	254.319 837 02	+10.997 857 42	5.37	0.51	−103.60	1.61	1.11	2.01	1.69	1.27	+35	−26	−11	+23	+26	− 2	+29	+21	−13	+36	4	0.82
*82968	16 57 18.06	+86 50 40.1	8.36	G	254.325 233 55	+86.844 469 74	8.74	−31.83	54.93	0.63	0.73	0.74	0.67	0.75	+ 7	−10	− 7	+ 7	+11	− 2	+10	+29	− 9	+12	0	−1.52
*82969	16 57 17.73	+07 18 26.6	9.25	G	254.323 872 51	+07.307 385 63	8.76	13.31	0.82	1.15	0.93	1.37	1.34	1.16	+20	−16	−25	+37	+35	−19	+29	+23	+18	− 8	0	1.48
82970	16 57 18.32	+38 11 25.8	8.67	H	254.326 346 49	+38.190 504 89	0.91	−15.54	32.69	0.75	0.87	1.01	0.84	1.09	− 8	−13	−13	+18	−11	+ 2	− 4	+38	−28	−26	1	0.01
82971	16 57 20.27	+06 12 40.7	6.73	H	254.334 461 21	+06.211 301 50	3.42	−35.16	0.45	1.66	0.76	1.00	1.90	0.88	+41	+ 4	− 7	+88	+38	+18	+34	+70	+ 0	+29	0	2.55
82972	16 57 20.46	+04 59 40.5	8.98	H	254.335 234 10	+04.994 569 64	5.80	−8.48	2.07	1.43	0.86	1.52	2.07	1.13	+21	−34	−18	+50	+16	−14	+23	+43	−24	+35	0	0.98
82973	16 57 20.77	+40 20 31.3	9.24	H	254.336 525 28	+40.342 037 29	8.65	−13.25	20.53	0.80	0.90	1.00	0.97	1.15	+19	−10	−15	−16	+ 2	+ 0	+ 5	− 3	+ 0	− 3	1	−0.72
82974	16 57 21.35	+43 41 01.4	7.49	H	254.338 973 57	+43.683 723 95	4.59	12.99	−0.77	0.55	0.67	0.69	0.68	0.84	+ 3	− 6	+ 7	− 5	− 3	−10	− 1	−21	+ 6	+16	0	−0.90
82975	16 57 21.59	+59 47 44.7	8.93	H	254.339 964 94	+59.795 760 67	0.59	−11.57	22.08	0.92	0.76	0.88	1.02	0.89	− 4	−26	+ 5	−26	+ 5	+ 5	+ 1	+ 9	− 5	+11	3	−0.27
82976 H	16 57 22.46	−51 53 16.8	9.80	G	254.343 583 53	−51.887 994 03 A	14.58	−4.77	−34.96	3.84	4.24	3.33	4.54	3.37	−23	−13	−17	+27	−14	+30	− 9	+51	−26	−41	6	1.36
82977	16 57 22.64	−25 47 58.5	10.29	2 H	254.344 343 33	−25.799 593 89	7.18	−1.28	−0.40	1.79	1.31	1.93	2.23	1.82	−18	−36	− 4	− 5	− 3	− 8	− 2	− 2	− 2	−33	3	2.63
82978	16 57 25.35	+53 52 57.4	9.63	H	254.355 625 39	+53.882 600 25	4.74	−2.71	−34.59	0.80	0.85	0.89	0.83	0.95	+ 8	+ 6	+ 8	+ 6	+12	+15	+11	− 5	− 9	+ 3	0	−0.73
82979	16 57 26.00	−10 57 47.4	6.15	H	254.358 335 65	−10.963 157 27	13.00	0.28	−88.88	0.79	0.51	0.84	1.02	0.59	−18	−15	− 4	+40	−10	+ 9	−13	+67	−14	− 3	0	1.64
*82980	16 57 27.21	−27 24 22.5	9.55	H	254.363 395 40	−27.406 250 70	4.07	0.53	−14.32	1.60	1.16	1.55	2.40	1.73	+ 5	−20	−17	−22	−46	− 1	−48	+10	−20	+35	0	0.24
*82981	16 57 27.17	−12 14 04.5	8.78	H	254.363 225 72	−12.234 581 75	4.60	−17.65	27.45	1.45	0.82	1.57	1.81	0.97	−16	+10	−16	+58	−16	+22	−16	+74	−30	−18	4	−0.51
82982	16 57 27.97	−76 25 05.6	8.09	1 H	254.366 548 71	−76.418 231 32	3.06	−8.13	−32.92	0.51	0.61	0.77	0.55	0.71	+10	−14	+ 4	−13	− 3	− 4	− 1	+ 3	− 8	+ 4	0	0.85
82983	16 57 28.86	−74 57 40.2	9.11	G	254.370 229 65	−74.961 159 25	13.44	−189.44	−145.10	0.66	0.84	1.09	0.74	0.96	+ 3	− 9	+ 9	+12	− 8	−11	− 7	+ 9	− 7	+ 0	0	0.98
82984	16 57 29.89	−49 42 31.3	8.97	H	254.374 538 14	−49.708 702 76	1.85	−1.73	−7.06	1.16	0.89	1.44	1.37	0.99	−10	−22	−14	− 5	+10	− 8	+11	+16	−27	+ 3	0	1.42
82985 H	16 57 29.92	−60 36 00.3	6.52	1 G	254.374 675 11	−60.600 092 22 A	4.25	−1.23	−12.88	0.75	0.81	0.93	0.77	0.74	+36	−24	−10	+ 0	+ 8	+10	+ 7	+42	−10	+49	2	−0.62
82986	16 57 30.24	−22 38 36.9	9.77	H	254.375 987 43	−22.643 577 14	6.51	0.16	−29.71	1.51	1.01	1.74	1.82	1.13	+ 6	−31	−33	− 1	−12	− 7	− 3	+25	−18	−23	3	−2.86
82987	16 57 31.04	+25 21 10.1	6.27	H	254.379 336 98	+25.352 802 57	5.87	8.05	15.85	0.35	0.46	0.64	0.42	0.57	+ 2	− 8	− 8	−28	+ 3	+ 0	+ 6	+11	−16	− 2	0	0.87
82988	16 57 31.10	+14 01 01.6	7.68	H	254.379 572 22	+14.017 101 75	2.08	−9.29	−0.34	0.65	0.56	0.96	0.79	0.65	− 2	−14	− 5	+21	+ 3	+ 5	+ 6	+17	−11	+15	0	−0.83
82989	16 57 32.09	+13 53 02.2	6.38	G	254.383 701 42	+13.883 943 24	16.29	−81.01	69.73	0.52	0.45	0.77	0.69	0.54	− 6	−16	−11	+21	− 3	+10	+ 1	+22	−12	+17	0	−1.13
82990	16 57 32.11	+05 16 29.0	11.02	G	254.383 812 27	+05.274 710 88	3.72	5.55	8.34	2.32	1.54	2.63	3.48	2.05	+19	−22	−27	+30	+ 2	−12	+ 6	+41	−28	+22	0	0.11
82991	16 57 34.20	−55 51 06.4	8.21	G	254.392 505 29	−55.851 772 22	1.64	−2.52	−6.36	0.89	0.86	1.28	1.09	0.97	+33	−35	−46	+35	+23	−14	+24	+40	−20	+19	0	2.10
82992	16 57 35.50	−47 16 20.8	10.20	G	254.397 932 46	−47.272 435 40	3.47	1.58	−5.21	1.60	1.17	1.71	2.08	1.26	−20	−13	−16	− 4	+40	− 8	+35	+25	−12	−22	0	−0.06
82993	16 57 35.88	+80 15 23.5	9.78	H	254.399 500 61	+80.256 531 47	5.46	−0.10	−19.66	0.78	0.65	0.84	0.87	0.88	+11	−11	− 2	−18	+12	−11	+16	−23	+ 9	+10	0	−1.13
82994	16 57 36.20	+21 01 15.1	8.63	H	254.400 841 24	+21.020 868 98	1.63	−7.04	0.59	0.80	0.87	1.26	0.89	1.04	+14	−19	−30	+14	+24	− 3	+30	+ 0	− 4	+29	0	−0.70
82995	16 57 36.37	+26 54 18.2	9.61	H	254.401 525 26	+26.905 056 75	15.70	79.19	241.79	0.78	0.98	1.35	0.92	1.26	+12	− 9	−15	−22	− 9	− 5	− 4	+14	−23	+ 1	0	0.77
82996	16 57 36.43	+32 17 08.5	11.07	H	254.401 782 20	+32.285 703 18	−1.71	5.77	−1.04	1.20	1.38	1.79	1.45	1.96	+ 3	−17	+11	+ 4	− 2	− 3	+ 0	+ 7	−13	+18	0	−0.62
82997	16 57 37.74	−53 16 54.1	8.51	H	254.407 249 19	−53.281 698 28	1.46	−9.99	−16.48	1.15	0.96	1.17	1.53	1.13	+31	−10	− 8	+45	+46	+14	+45	+55	− 3	+40	0	1.66
82998 H	16 57 38.17	+60 27 20.3	9.61	H	254.409 035 92	+60.455 635 74 A	5.04	−26.45	−25.05	1.89	1.71	1.36	1.81	1.55	+21	− 8	−15	−11	+ 2	+ 4	+ 0	+11	− 6	+ 0	0	−0.88
82999	16 57 38.39	−03 01 00.0	7.46	H	254.409 946 35	−03.016 658 66	5.07	−19.08	−10.33	0.86	0.51	1.10	0.84	0.61	+ 0	−51	−16	+34	−19	−13	− 1	+57	−31	−13	0	0.62
*83000	16 57 40.27	+09 22 30.2	3.19	H	254.417 794 18	+09.375 056 26	37.99	−293.03	−9.70	0.62	0.42	0.75	0.60	0.45	+24	−41	−25	+24	+27	+ 4	+32	+18	−14	+17	0	1.66

No.	Tycho Magnitudes					Colour Indices					Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
82901	11.733	0.127	10.828	0.083		0.789	0.117	T	0.83	0.12	L	10.9332	0.0054	0.033	76		10.85	11.00				1							G
82902	5.841	0.004	5.922	0.005		−0.069	0.006	T	−0.05	0.01	L	5.9190	0.0008	0.006	76		5.91	5.93		C		1							S
82903	11.294	0.071	10.121	0.043		1.006	0.065	T	0.98	0.05	L	10.0996	0.0030	0.025	84		10.06	10.15		C		1							G
82904						0.480	0.040	G	0.55	0.04	R	11.5838	0.0078	0.080	128		11.44	11.70		D	16565−5751	I 2	S						D G
82905	11.598	0.112	10.041	0.046		1.410	0.020	G	1.39	0.02	H	10.0900	0.0033	0.024	81		10.05	10.12				1							G
82906	10.557	0.032	9.147	0.017		1.191	0.028	T	1.15	0.03	L	9.1903	0.0023	0.019	98		9.16	9.22				1							
82907	10.059	0.020	8.916	0.013		0.983	0.019	T	0.96	0.01	L	8.9631	0.0020	0.022	153		8.93	9.00		U		1							
82908	8.083	0.008	7.950	0.009		0.121	0.011	T	0.14	0.01	L	7.9754	0.0014	0.015	151		7.95	8.00				1							S
82909	10.259	0.028	9.492	0.024	*	0.699	0.029	T	0.76	0.02	L *	9.5066	0.0031	0.026	115	*	9.47	9.55		R	16566+1014	I 1	2 C A	AB	207	0.443	0.005	0.42	0.04	
82910	9.557	0.018	8.871	0.015	*	0.600	0.015	G	0.67	0.01	H *	8.9426	0.0017	0.016	117	*	8.91	8.97		D	16566+5712	I 1	2 C A	BA	74	0.433	0.004	0.08	0.02	
82911	6.442	0.016	6.203	0.014		0.228	0.020	T	0.25	0.03	L	6.2798	0.0184	0.098	45		6.15	6.41	7.85	P 1 A		1							S
82912	8.510	0.020	7.150	0.012		1.167	0.019	T	3.38	0.82	O	6.7395	0.3225	1.482	49		5.87	9.16	274.90	P 1 B		1 V							P
82913	9.548	0.020	9.086	0.020		0.446	0.015	G	0.52	0.02	H	9.1401	0.0023	0.017	91		9.11	9.17		C		1							
82914	10.064	0.031	9.422	0.028		0.590	0.031	T	0.66	0.03	L	9.4869	0.0029	0.027	85		9.43	9.54		C		1							
82915	8.178	0.009	7.695	0.009	*	0.483	0.015	G	0.55	0.02	H *	7.7612	0.0017	0.013	106	*	7.74	7.79		C	16567+1539	H 1	2 C S B	AB	320	0.115	0.051	2.18	1.55	S
82916	10.477	0.042	8.921	0.019		1.306	0.036	T	1.27	0.04	L	8.9263	0.0018	0.014	91		8.90	8.95				1							
82917	8.888	0.014	8.499	0.015		0.380	0.017	T	0.44	0.02	L	8.5426	0.0017	0.015	93		8.52	8.57				1							
82918	7.951	0.010	6.857	0.006	*	0.945	0.009	T	0.94	0.01	L *	6.9355	0.0011	0.008	109	*	6.92	6.95		D	16567+1408	I 1	2 C A	AB	244	2.832	0.007	2.47	0.03	S
82919	11.361	0.116	9.898	0.048		1.296	0.015	G	1.26	0.02	H	9.9935	0.0036	0.030	57		9.93	10.04				1							G
82920	10.383	0.022	9.250	0.014		0.975	0.020	T	0.96	0.02	L	9.3091	0.0021	0.032	179		9.27	9.39		U 2		1							
82921	9.817	0.022	9.113	0.018		0.638	0.020	G	0.70	0.02	H	9.1706	0.0015	0.016	128		9.14	9.20		C		1							
82922	10.133	0.019	8.957	0.012		1.008	0.018	T	0.98	0.01	L	8.9910	0.0019	0.021	170		8.96	9.03		C		1							
82923	8.840	0.010	7.679	0.006		0.997	0.009	T	0.98	0.01	L	7.7354	0.0015	0.014	156		7.71	7.76				1							
82925	5.586	0.011	5.583	0.013	*	−0.018	0.003	G	0.00	0.00	H *	5.5665	0.0010	0.007	55	*	5.56	5.59		D	16568−2309	I 1	2 C A	AB	300	0.998	0.003	0.35	0.01	S
82926						1.510	0.510	G	2.16	0.60	K *	11.2477	0.0134	0.065	49	*	11.15	11.35			16568−3906	H 1	2 C D	AB	301	2.768	0.081	1.98	0.32	G D
82927	8.722	0.012	7.446	0.008		1.086	0.011	T	1.05	0.01	L	7.4893	0.0008	0.008	108		7.47	7.51				1							S
82928	8.976	0.012	8.312	0.010		0.605	0.012	T	0.67	0.01	L	8.3791	0.0015	0.015	150		8.35	8.40		C		1							S
82929	9.438	0.019	7.491	0.008		1.600	0.015	G	1.61	0.05	F	7.4440	0.0023	0.013	73		7.42	7.47				1							S
82930	9.441	0.019	8.401	0.013	*	0.904	0.017	T	0.91	0.01	L *	8.4941	0.0021	0.022	171	*	8.46	8.55		D	16569−6057	I 1	2 C A	AB	269	8.855	0.006	0.93	0.02	
82931	9.768	0.024	9.206	0.023		0.617	0.126	G	0.69	0.11	R	9.2873	0.0021	0.022	123		9.24	9.33		D	16571+8651	I 2	1							
82932	8.587	0.007	8.626	0.009		−0.033	0.010	T	−0.01	0.01	L	8.6332	0.0015	0.018	209		8.59	8.66				1							
82933	9.125	0.012	8.796	0.012		0.312	0.016	T	0.36	0.02	L	8.8479	0.0020	0.020	152		8.81	8.88				1							
82934	10.179	0.043	9.690	0.045		0.480	0.020	G	0.55	0.02	H	9.7484	0.0026	0.024	64		9.71	9.79		C		1							G
82935	8.870	0.014	8.311	0.013		0.544	0.015	G	0.62	0.01	H	8.3759	0.0012	0.009	83		8.36	8.40				1							S
82936	7.145	0.017	7.007	0.024	*						T	7.1448	0.0033	0.020	52	−	7.12	7.19		U 2	16569−4031	I 1	3 C C							S Z
82937	10.767	0.049	8.946	0.017		1.515	0.041	T	1.55	0.06	L	8.9085	0.0021	0.018	112		8.88	8.95		C		1							
82938	9.822	0.021	9.300	0.020		0.490	0.026	T	0.56	0.03	L	9.3389	0.0025	0.020	103		9.30	9.38				1							
82939	9.637	0.017	9.304	0.018		0.316	0.023	T	0.36	0.03	L	9.3988	0.0033	0.029	118		9.35	9.44				1							
82940	11.066	0.042	9.092	0.014		1.673	0.036	T	2.02	0.09	O	8.9745	0.0023	0.029	155		8.92	9.02		U		1							
82941	11.505	0.136	10.253	0.072		1.068	0.120	T	1.03	0.10	L	10.2751	0.0042	0.028	54		10.21	10.34		C		1							G
82942	10.782	0.048	10.299	0.048		0.605	0.020	G	0.67	0.02	H	10.2206	0.0020	0.023	100		10.19	10.27				1							G
82943	8.216	0.016	7.755	0.017	*	0.433	0.015	G	0.50	0.02	H *	7.9114	0.0013	0.008	52	*	7.90	7.93		D	16570−3826	I 1	2 C A	AB	231	2.474	0.018	1.59	0.04	S
82944	6.755	0.003	6.502	0.003		0.260	0.015	G	0.33	0.02	A	6.5372	0.0008	0.008	209		6.53	6.55			16570−7107	I 1	1							S
82945	11.019	0.064	9.891	0.039		0.971	0.058	T	0.96	0.05	L	9.8926	0.0027	0.023	90		9.85	9.95				1							
82946	9.811	0.018	8.006	0.008		1.503	0.016	T	1.53	0.02	L	7.9658	0.0019	0.016	135		7.94	8.00				1							
82947	8.790	0.010	7.605	0.007		1.015	0.010	T	0.99	0.01	L	7.6522	0.0010	0.012	149		7.63	7.67		C		1							S
82948	10.758	0.031	10.066	0.026		0.639	0.033	T	0.70	0.03	L	10.1272	0.0025	0.029	171		10.06	10.18				1							
82949	10.505	0.035	9.102	0.018		1.186	0.031	T	1.15	0.03	L	9.1478	0.0018	0.016	115		9.12	9.18		C		1	S						
82950	10.108	0.027	9.389	0.023		0.647	0.027	T	0.71	0.02	L	9.4361	0.0021	0.024	105		9.40	9.48				1							
82951	7.762	0.011	7.613	0.014	B	0.084	0.032	G	0.10	0.04	H *	6.3092	0.0037	0.045	67	*	6.28	6.56		D	16571−1933	I 1	2 C A	AB	232	4.604	0.006	1.11	0.02	S
82952	8.864	0.015	8.734	0.017		0.150	0.010	G	0.17	0.01	H	8.7485	0.0018	0.016	98		8.71	8.77				1							G
82953	11.030	0.045	10.523	0.046		0.476	0.058	T	0.55	0.06	L	10.5438	0.0036	0.030	120		10.48	10.60		C		1	X S						G
82954	8.741	0.009	8.067	0.007		0.613	0.009	T	0.68	0.01	L	8.1352	0.0015	0.016	168		8.11	8.16		C		1							S
82955	9.597	0.018	7.664	0.008		1.604	0.016	T	1.62	0.02	L	7.5729	0.0015	0.013	107		7.55	7.60				1							S
82956	8.983	0.020	8.258	0.017		0.651	0.006	G	0.71	0.01	H	8.3002	0.0015	0.010	51		8.28	8.33				1	G						S
82957	10.202	0.029	9.660	0.027		0.508	0.036	T	0.58	0.04	L	9.7535	0.0027	0.026	114		9.69	9.81				1							
82958	9.278	0.015	7.677	0.008		1.341	0.013	T	1.31	0.01	L	7.6658	0.0020	0.019	111		7.64	7.70		U		1							S
82959	9.965	0.020	8.254	0.010		1.428	0.018	T	1.42	0.03	L	8.2665	0.0017	0.018	146		8.24	8.30		C		1							
82960	7.569	0.009	5.663	0.007		1.606	0.009	G	1.61	0.09	H	5.5911	0.0020	0.009	43		5.57	5.61		M		1							S
82961	11.772	0.109	9.544	0.025		1.839	0.090	T	1.87	0.09	L	9.4803	0.0020	0.018	99		9.45	9.52		C		1							
82962	8.935	0.013	7.614	0.008		1.122	0.012	T	1.08	0.01	L	7.6717	0.0012	0.012	121		7.65	7.70				1							
82963	9.607	0.013	9.357	0.015		0.238	0.019	T	0.27	0.02	L	9.4229	0.0022	0.031	178		9.36	9.47				1							
82964	8.886	0.011	8.209	0.010		0.618	0.010	G	0.69	0.01	H	8.2694	0.0013	0.011	92		8.25	8.29		C		1							S
82965	9.357	0.015	7.817	0.008		1.293	0.013	T	1.25	0.01	L	7.8361	0.0010	0.011	123		7.81	7.86		C		1							
82966	9.045	0.014	8.591	0.014		0.428	0.018	T	0.50	0.02	L	8.6452	0.0023	0.016	89		8.62	8.67				1							S
82967	11.580	0.091	10.604	0.058		0.856	0.080	T	0.87	0.06	L	10.7232	0.0099	0.062	101		10.63	10.82	0.21	P 1 A		1							G
82968	8.807	0.015	8.398	0.015		0.408	0.015	G	0.47	0.02	H	8.4484	0.0021	0.017	128		8.42	8.48		D	16571+8651	I 2	1							S
82969	9.702	0.024	9.335	0.027		0.370	0.020	G	0.43	0.02	H	9.3409	0.0025	0.019	75		9.30	9.38		C		1							
82970	10.209	0.028	8.807	0.015		1.185	0.025	T	1.15	0.02	L	8.8401	0.0020	0.022	107		8.81	8.88		C		1							
82971	8.721	0.014	6.891	0.007		1.522	0.012	T	1.56	0.02	L	6.8519	0.0014	0.008	59		6.83	6.87		C		1							S
82972	9.654	0.026	9.041	0.024		0.598	0.006	G	0.67	0.01	H	9.1133	0.0028	0.017	74		9.08	9.14				1							
82973	9.878	0.026	9.303	0.025		0.537	0.032	T	0.61	0.03	L	9.3605	0.0018	0.018	102		9.32	9.39		C		1							
82974	8.720	0.011	7.603	0.008		0.962	0.011	T	0.95	0.01	L	7.6555	0.0012	0.011	102		7.63	7.69				1							S
82975	10.701	0.044	9.088	0.019		1.351	0.038	T	1.32	0.04	L	9.0787	0.0023	0.015	95		9.05	9.10		C		1							
82976	10.713	0.070	9.978	0.056	*	0.609	0.020	G	0.68	0.02	H *	9.9390	0.0038	0.026	61	*	9.88	9.98			16574−5153	I 1	2 C A	AB	186	0.407	0.043	2.38	0.22	G
82977	10.597	0.059	10.386	0.077		0.202	0.091	T	0.22	0.10	L	10.3527	0.0048	0.033	48		10.25	10.42		P 1 A		1							G P
82978	10.182	0.029	9.664	0.029		0.486	0.037	T	0.56	0.04	L	9.7351	0.0024	0.020	104		9.70	9.77		C		1							
82979	7.431	0.005	6.268	0.003		1.000	0.001	G	0.98	0.00	H	6.3132	0.0005	0.006	135		6.30	6.32				1							S
82980	10.142	0.047	9.556	0.044		0.480	0.020	G	0.55	0.02	H	9.6584	0.0031	0.018	41		9.62	9.71				1							G
82981	10.210	0.027	8.897	0.016		1.111	0.025	T	1.07	0.03	L	8.9251	0.0023	0.017	117		8.90	8.95				1							
82982	8.366	0.008	8.101	0.008		0.252	0.011	T	0.28	0.01	L	8.1567	0.0023	0.022	175		8.12	8.20	0.92	P 1 A		1							S
82983	9.780	0.016	9.178	0.014		0.556	0.002	G	0.63	0.00	H	9.2301	0.0022	0.024	171		9.19	9.28				1							
82984	11.047	0.072	9.156	0.025		1.571	0.061	T	1.59	0.06	L	9.0928	0.0033	0.020	74		9.06	9.13				1							
82985	6.449	0.004	6.524	0.004	*	−0.060	0.002	G	−0.04	0.00	H *	6.5129	0.0016	0.014	154	*	6.49	6.54	0.94	P 1 A	16575−6036	I 1	2 C A	AB	6	0.476	0.006	2.12	0.02	S
82986	10.495	0.047	9.886	0.046		0.566	0.049	T	0.64	0.04	L	9.8968	0.0024	0.024	61		9.86	9.94		C		1							G
82987	7.416	0.004	6.369	0.003		0.909	0.004	T	0.91	0.00	L	6.4311	0.0006	0.008	213		6.42	6.45		C		1							S
82988	9.432	0.016	7.818	0.008		1.352	0.014	T	1.32	0.02	L	7.8351	0.0014	0.013	111		7.81	7.86				1							S
82989	7.562	0.006	6.468	0.003		0.930	0.006	G	0.92	0.00	H	6.5212	0.0007	0.007	123		6.51	6.53		C		1							S
82990	11.949	0.197	10.971	0.119		0.700	0.020	G	0.76	0.02	H	11.1575	0.0043	0.034	59		11.07	11.22		C		1							G
82991	8.222	0.016	8.261	0.021		0.002	0.013	G	0.02	0.01	H	8.2263	0.0013	0.011	74		8.21	8.25		C		1							
82992	11.126	0.078	10.375	0.065		0.706	0.020	G	0.76	0.02	H	10.3834	0.0027	0.023	90		10.34	10.44				1							G
82993	10.268	0.032	9.805	0.033		0.436	0.042	T	0.50	0.04	L	9.8737	0.0025	0.020	101		9.84	9.91		C		1							
82994	10.595	0.034	8.811	0.014		1.486	0.029	T	1.51	0.04	L	8.7537	0.0021	0.018	117		8.72	8.79				1	S						
82995	10.662	0.032	9.691	0.022		0.800	0.015	G	0.84	0.01	H	9.7535	0.0026	0.030	170		9.71	9.82				1							
82996	11.460	0.074	10.949	0.073		0.355	0.072	G	0.42	0.08	R	11.1540	0.0050	0.039	116		11.08	11.22				1							G
82997	10.150	0.051	8.643	0.026		1.267	0.045	T	1.23	0.05	L	8.6699	0.0021	0.016	66		8.64	8.69		C		1							
82998	10.406	0.035	9.707	0.030	*	0.644	0.038	T	0.71	0.03	L *	9.7418	0.0020	0.017	106	*	9.71	9.78		D	16576+6027	H 1	2 C A	AB	57	0.437	0.006	1.24	0.04	
82999	7.905	0.010	7.504	0.008		0.379	0.012	T	0.44	0.01	L	7.5460	0.0008	0.007	97		7.53	7.57		C		1							S
83000	4.691	0.003	3.322	0.002		1.160	0.430	G	1.10	0.02	A	3.3612	0.0006	0.005	99		3.36	3.37				1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
1 2	h m s	±° ′ ″	mag		deg	deg	mas	mas/yr		mas		mas	mas/yr		19	20	21	22	23	24	25	26	27	28	%	
	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18											29	30
*83001	16 57 40.25	−45 20 49.1	8.77	G	254.417 726 20	−45.346 965 16	14.60	−88.44	41.17	1.34	0.78	1.44	1.37	0.92	+ 4	−43	−18	+27	+24	− 1	+38	+60	−42	− 6	0	−1.37
83002	16 57 40.71	+19 07 45.2	8.72	H	254.419 634 77	+19.129 228 63	2.06	−0.04	22.58	0.82	0.84	1.48	1.15	0.99	− 6	+ 8	−35	−10	+34	−34	+15	+17	−31	+40	0	0.08
120290	16 57 40.96	+35 16 11.0	9.98	H	254.420 676 97	+35.269 712 26	0.49	19.47	−1.91	2.16	2.24	1.94	2.12	2.48	+27	+ 5	−25	−76	−13	−34	−19	−78	+24	+13	3	0.33
83003	16 57 41.57	−63 12 37.7	10.62	2 H	254.423 219 71	−63.210 470 23	4.68	−49.19	−85.79	2.27	2.07	3.60	2.47	2.34	+14	−23	−13	−26	−35	+12	−30	+ 7	+ 3	− 5	1	
83004	16 57 41.85	+19 59 33.3	9.14	H	254.424 369 48	+19.992 591 83	5.08	−8.34	8.81	0.83	0.89	1.46	0.94	1.18	+ 2	−14	−17	+ 8	+34	− 6	+38	+12	−14	+44	0	0.40
83005	16 57 41.94	−21 46 30.7	8.22	H	254.424 752 28	−21.775 183 38	6.20	−19.03	−35.21	1.00	0.66	1.10	1.27	0.76	+ 5	−23	−25	+15	− 7	+ 8	− 1	+25	−12	−10	0	0.41
*83006	16 57 42.35	+47 21 41.4	7.93	H	254.426 450 06	+47.361 505 62	57.13	−139.09	262.49	0.59	0.67	0.71	0.64	0.75	+ 6	− 6	− 8	+ 2	+22	−24	+23	− 5	− 7	+11	0	−1.49
*83007	16 57 42.30	+24 22 52.7	6.35	G	254.426 263 11	+24.381 308 68	6.72	6.48	−20.08	0.32	0.49	0.73	0.39	0.62	+ 8	−12	− 2	+ 8	− 5	+ 3	− 1	+10	−24	− 4	0	0.77
83008	16 57 42.84	−45 57 41.2	8.74	H	254.428 510 27	−45.961 456 04	0.81	0.40	−2.69	1.09	0.73	1.19	1.29	0.81	−17	−16	−12	+25	+16	+ 7	+17	+49	−31	−20	0	0.78
83009	16 57 43.35	−37 45 49.6	8.27	H	254.430 621 01	−37.763 771 85	5.16	−7.36	−70.00	1.10	0.87	1.34	1.09	0.88	− 6	−41	−38	+15	−22	+11	−11	+32	−13	−38	0	−0.55
83010 H	16 57 46.09	+13 17 29.2	10.66	G	254.442 029 94	+13.291 448 67	A 26.23	47.07	71.84	2.65	2.09	3.30	2.80	2.22	−13	−18	− 9	− 2	+19	− 2	+14	+ 2	+ 2	+22	2	0.88
83011	16 57 47.18	−43 47 57.1	9.48	G	254.446 598 62	−43.799 204 13	6.95	−59.33	−246.32	1.66	0.94	2.10	1.83	1.20	+ 3	−41	−25	+11	+29	+ 1	+41	+55	−56	− 3	0	−0.98
83012	16 57 47.76	−44 51 05.3	9.78	G	254.449 004 56	−44.851 478 90	2.44	0.17	−4.75	1.91	1.05	1.97	1.98	1.29	+38	−51	−17	+48	+56	− 1	+65	+68	−50	+38	2	2.33
83013	16 57 50.19	+42 30 45.2	6.36	H	254.459 106 09	+42.512 550 34	6.00	−10.23	−41.00	0.46	0.57	0.58	0.47	0.68	+ 9	+ 0	− 2	−11	− 2	− 4	− 1	−18	+ 5	+11	1	−1.57
83014	16 57 50.22	−39 06 56.6	6.59	2 H	254.459 255 16	−39.115 733 82	2.82	0.11	4.82	0.78	0.59	0.87	0.85	0.66	−11	−34	−20	+ 8	−14	− 1	−10	+24	− 4	−34	0	1.62
83015 H	16 57 50.42	+46 49 48.0	8.69	H	254.460 067 63	+46.829 991 39	A 5.66	−21.71	−44.76	1.17	1.19	1.15	1.08	1.28	+ 0	−22	−13	+13	+10	+ 5	+10	+ 8	+ 2	+ 9	2	0.28
83016	16 57 51.12	−11 57 43.0	9.88	H	254.462 998 75	−11.961 945 44	10.11	−2.25	−15.10	1.86	1.15	2.08	2.33	1.31	−13	+ 9	−30	+52	−26	+29	−19	+78	−35	−23	2	2.78
83017	16 57 52.06	−24 55 06.8	8.89	H	254.466 900 77	−24.918 552 83	15.21	−33.10	−67.28	1.70	1.16	1.79	2.37	1.81	−34	−54	−14	−28	+35	+11	+36	−32	−13	−70	0	−1.27
83018	16 57 53.04	+30 18 47.3	9.66	H	254.471 017 61	+30.313 152 73	3.12	−7.12	2.25	0.90	0.97	1.28	1.00	1.28	+17	−15	− 5	+25	+ 0	−14	− 2	+13	− 9	+ 5	0	1.52
83019	16 57 53.17	+41 38 27.0	9.84	H	254.471 538 15	+41.640 835 74	4.18	−0.41	−8.39	0.82	1.09	1.16	0.85	1.16	+ 8	− 1	−40	− 3	+21	−25	+12	−29	+27	− 3	0	1.37
83020 H	16 57 53.31	+47 21 57.7	7.76	H	254.472 111 91	+47.366 026 61	A 55.71	−146.90	272.21	1.12	1.27	1.21	1.15	1.35	+10	−12	−23	+ 4	+12	−29	+ 6	+ 1	+ 2	+13	4	1.30
83021	16 57 53.45	−19 47 29.6	8.49	2 H	254.472 714 42	−19.791 566 54	1.70	−18.46	−19.21	1.15	0.75	1.31	1.23	0.89	+ 4	−47	−30	+11	+ 4	−16	− 3	+ 6	+ 7	−34	0	0.34
83022	16 57 53.81	−34 24 20.9	9.01	G	254.474 190 48	−34.405 799 21	4.06	−0.23	−3.69	1.19	0.94	1.37	1.33	1.03	−13	−23	−32	+15	−21	+ 0	−19	+21	−10	−22	0	−0.29
83023	16 57 56.72	−51 12 36.8	8.28	H	254.486 320 92	−51.210 232 43	4.22	−7.91	−1.42	1.21	0.97	1.41	1.60	1.02	−22	− 9	−26	−11	+36	−25	+24	+13	− 8	− 7	0	2.18
83024 H	16 57 58.44	+31 00 30.7	8.85	H	254.493 482 68	+31.008 517 41	A 7.80	−14.39	−28.80	5.78	2.66	1.83	1.44	2.04	−28	− 4	−12	− 2	− 4	− 5	+ 0	+19	− 6	−10	0	−0.60
83025	16 57 58.84	−41 18 00.8	9.91	G	254.495 160 82	−41.300 220 09	−1.48	−1.33	−2.75	1.74	1.38	2.16	2.75	2.09	−23	−33	−24	+10	+13	−40	− 6	+ 3	+33	−50	3	0.46
83026	16 57 59.28	−31 57 51.1	9.69	H	254.497 007 86	−31.964 182 45	−2.53	5.43	−19.36	1.42	1.03	1.54	1.51	1.19	+ 1	−29	− 8	− 8	−25	− 7	−20	− 2	−15	−17	0	−0.61
83027	16 58 00.45	+02 20 31.0	9.87	H	254.501 895 63	+02.341 931 86	10.48	−18.08	11.75	1.46	0.97	1.75	1.42	1.11	−10	−46	−20	+41	−11	+ 0	+ 4	+52	−28	−31	0	−1.61
83028	16 58 01.06	−58 37 54.7	8.27	H	254.504 398 46	−58.631 869 11	4.30	10.47	−10.76	0.72	0.75	1.31	1.02	1.03	−17	− 9	−29	− 2	− 6	+17	− 4	−17	+13	−27	0	0.39
83029	16 58 01.43	−14 49 54.2	9.91	G	254.505 950 48	−14.831 719 63	7.41	−8.28	−10.35	1.74	1.27	2.45	2.00	1.72	−43	−12	−35	+34	−41	+10	−26	+80	−53	−49	0	1.26
83030	16 58 01.97	−68 27 34.0	7.78	1 H	254.508 193 57	−68.459 438 26	2.74	−0.95	4.08	0.40	0.53	0.77	0.55	0.64	+12	− 6	− 7	− 7	+13	+ 0	+11	+ 1	+ 8	+ 9	0	−0.70
83031	16 58 02.04	−01 08 37.5	9.11	H	254.508 507 43	−01.143 739 96	4.13	5.05	4.71	1.27	0.76	1.36	1.45	0.88	− 2	−29	− 2	+40	+ 3	+ 6	+ 6	+48	−10	+ 3	0	1.22
83032	16 58 02.33	−12 05 03.0	7.85	H	254.509 698 06	−12.084 179 18	11.63	32.15	−67.16	1.10	0.68	1.20	1.35	0.80	−25	+ 7	−16	+56	−23	+23	−23	+77	−30	−27	0	2.76
83033	16 58 03.87	+16 22 12.1	10.40	H	254.516 137 66	+16.370 038 16	4.84	−7.52	18.18	1.62	1.20	2.07	1.96	1.37	+16	−23	+ 1	−10	+ 8	−23	+ 4	+ 4	−10	+45	0	0.30
83034 H	16 58 04.80	+15 09 11.1	7.65	H	254.519 996 99	+15.153 083 82	A 3.49	11.67	15.83	1.26	1.15	1.61	1.41	1.08	+20	−20	−22	+14	+25	−11	+19	+ 6	+16	+28	1	0.17
83035	16 58 06.09	−32 04 03.8	8.79	H	254.525 354 83	−32.067 709 10	2.25	−6.91	−7.21	1.31	0.93	1.41	1.38	1.07	+13	−28	− 7	− 8	−28	− 9	−23	− 7	−19	+ 0	0	−1.01
83036	16 58 06.45	−40 21 09.6	7.55	H	254.526 865 21	−40.352 670 03	3.28	−6.90	23.05	0.93	0.75	1.02	1.04	0.87	−12	−32	−18	+19	−20	+11	−14	+33	− 8	−27	0	−0.72
83037 H	16 58 06.71	+09 01 57.4	8.26	G	254.527 961 76	+09.032 607 22	A 6.38	0.31	9.19	1.42	1.50	1.45	1.30	1.08	+16	− 1	+ 4	+36	+ 4	+21	+ 8	+27	+ 4	− 1	1	−0.97
83038 H	16 58 06.95	−30 12 58.1	8.45	H	254.528 960 34	−30.216 146 35	A 5.01	3.19	−32.21	5.18	3.65	3.94	4.82	4.03	−16	−16	− 8	+14	−17	− 4	−13	+29	+ 6	−52	0	0.96
83039	16 58 07.93	−45 58 56.4	7.92	H	254.533 035 63	−45.982 343 47	1.34	1.10	−4.15	0.94	0.61	1.05	1.08	0.67	−16	− 8	−16	+27	+15	+ 6	+14	+52	−30	−17	0	0.28
83040	16 58 08.06	−58 59 33.1	8.12	H	254.533 586 73	−58.992 522 27	4.12	−1.13	−12.40	0.62	0.68	1.09	0.81	0.89	−20	−13	−14	−11	− 2	+23	+ 3	− 8	− 9	−15	0	1.00
83041	16 58 08.26	−36 39 09.7	10.20	H	254.534 431 49	−36.652 683 95	3.60	−6.47	−2.07	1.53	1.22	1.90	1.69	1.18	− 6	−28	−47	− 9	−25	+13	−13	+23	−15	−35	5	−0.53
83042	16 58 08.39	−30 12 58.4	9.77	H	254.534 942 55	−30.216 217 88	C 5.01	3.19	−32.21	58.46	49.91	3.94	4.82	4.03	−24	+ 6	+ 1	+ 5	− 1	− 4	− 2	+ 8	+ 6	−52	0	0.96
83043	16 58 08.92	+25 44 43.4	9.70	G	254.537 184 24	+25.745 394 45	96.90	−113.25	−507.77	0.80	1.09	1.48	0.99	1.33	+10	−14	− 5	− 1	+ 2	+ 3	+ 7	+18	−25	+ 3	2	1.07
83044	16 58 08.97	−53 14 39.7	8.22	H	254.537 386 28	−53.244 362 47	4.55	10.18	−16.56	1.17	0.99	1.33	1.74	1.10	− 7	−10	−28	+32	+26	−12	+16	+41	− 5	− 4	0	0.31
83045	16 58 09.51	−14 22 20.9	7.16	H	254.539 634 38	−14.372 464 23	8.41	−4.58	−1.63	0.92	0.68	1.09	1.01	0.82	−41	−24	−21	+39	−49	+ 6	−32	+80	−31	−58	0	0.80
83046	16 58 11.21	−80 04 20.9	7.67	H	254.546 694 02	−80.072 467 11	6.22	−6.69	−17.70	0.47	0.57	0.67	0.48	0.70	+ 0	−30	+15	+ 2	+ 6	+ 0	+10	− 2	−10	+ 6	0	1.13
83047	16 58 11.64	+50 41 43.7	7.95	H	254.548 517 41	+50.695 485 75	3.95	−18.60	−10.15	0.60	0.70	0.71	0.63	0.82	− 3	− 8	+10	+ 1	+ 9	− 4	+10	− 9	− 6	− 4	0	−0.88
*83048	16 58 12.22	−10 32 44.6	7.69	H	254.550 896 89	−10.545 714 73	5.47	−8.44	−16.53	0.95	0.58	1.02	1.18	0.67	−19	−27	+ 7	+44	− 7	− 1	− 9	+66	−10	+ 1	0	0.50
*83049 H	16 58 12.21	+25 20 18.7	8.40	H	254.550 859 65	+25.338 520 39	A 6.04	−12.97	−15.50	0.97	1.30	1.63	1.06	1.43	+ 6	− 3	−13	−15	+ 5	+ 0	+ 6	+15	−18	+ 3	0	0.06
83050	16 58 12.87	+33 42 02.4	8.49	G	254.553 616 40	+33.700 655 72	4.32	15.47	−1.51	0.64	0.72	0.90	0.74	0.89	+ 8	− 2	− 3	+24	+15	−24	+16	+ 9	−10	+ 6	0	1.47
83051 H	16 58 14.75	+31 47 27.4	9.09	H	254.561 449 44	+31.790 951 87	A 1.73	−12.18	20.52	1.92	2.14	2.47	2.07	2.46	+20	+ 2	+29	+23	+ 6	− 5	+10	+14	−24	+13	2	1.05
83052	16 58 15.30	+34 43 04.9	8.28	G	254.563 745 31	+34.718 014 40	10.92	−14.91	−20.14	0.58	0.71	0.82	0.65	0.86	+13	+ 1	− 5	+13	+ 2	− 3	+ 3	+31	−14	+ 3	4	−1.05
83053	16 58 15.52	−65 12 15.9	6.53	H	254.564 681 55	−65.204 412 40	8.10	−13.52	−54.75	0.50	0.46	0.71	0.63	0.55	+ 4	− 6	+ 3	+ 3	−35	− 4	−32	+10	+ 4	−20	0	0.83
83054	16 58 16.55	−53 55 14.4	8.14	1 H	254.568 947 28	−53.920 679 55	2.38	2.53	−6.24	0.79	0.72	1.00	0.93	0.79	−20	−21	−25	+18	+ 5	− 5	+ 6	+28	−16	−21	0	0.00
83055	16 58 16.69	−26 03 32.3	7.44	H	254.569 530 05	−26.058 979 87	5.18	8.85	2.37	1.11	0.77	1.10	1.31	0.97	+13	−22	+ 8	−31	−37	−25	−33	−17	− 7	+ 2	3	0.87
83056	16 58 17.00	+21 40 21.7	9.90	H	254.570 817 37	+21.672 681 19	9.64	−64.00	−161.52	1.19	1.42	1.86	1.42	1.78	+23	−19	−31	+26	+25	+ 2	+16	+23	−24	+ 5	0	−0.49
83057	16 58 17.95	−50 38 27.9	5.53	H	254.574 787 18	−50.641 091 76	6.23	−10.20	−38.25	0.64	0.51	0.74	0.80	0.55	−15	−16	−16	+15	+ 4	− 2	+ 0	+39	−10	+ 2	0	0.71
83058	16 58 18.97	−04 20 36.4	8.33	H	254.579 038 17	−04.343 431 00	13.15	−34.13	−26.63	1.05	0.64	1.27	1.10	0.74	− 1	−41	+ 5	+34	− 6	−12	+ 3	+54	−20	+ 3	0	0.31
83059	16 58 19.75	−33 36 32.7	7.16	3 T	254.582 278 33	−33.609 091 91	2.54	3.69	−6.77	0.93	0.70	1.13	1.02	0.81	− 6	−33	−24	+ 4	−25	− 6	−17	+ 5	−27	−12	0	−0.85
83060	16 58 20.20	−35 41 20.0	8.95	H	254.584 155 28	−35.688 902 01	5.08	−22.10	−19.34	1.26	0.95	1.49	1.39	0.97	− 9	−30	−34	+12	−14	−12	−16	+25	− 3	−23	0	0.86
83061	16 58 20.63	−24 23 52.5	9.15	G	254.585 943 27	−24.397 926 34	7.04	−24.36	−27.56	1.94	1.19	2.13	2.31	1.41	−21	−56	−24	−32	+35	+13	+33	−31	− 6	−53	0	−1.82
83062	16 58 20.73	−33 02 51.7	9.12	G	254.586 368 77	−33.047 700 02	6.50	−12.28	−38.69	1.49	1.02	1.84	2.38	1.55	+18	−24	+19	+14	−16	−44	+ 7	−13	−48	+60	0	0.77
83063	16 58 20.80	+28 13 08.2	8.66	H	254.586 677 45	+28.218 933 95	5.11	−9.53	15.40	0.60	0.74	0.97	0.74	0.91	+ 5	− 2	+ 3	+ 6	+ 4	− 5	+ 4	+ 1	+ 6	+10	0	1.47
83064	16 58 22.85	+39 42 36.8	8.09	H	254.595 188 64	+39.710 224 70	8.43	25.24	−117.70	0.66	0.70	0.80	0.80	0.85	+ 7	− 5	−14	−11	+11	+ 1	+11	−15	+10	+12	0	−1.92
83065	16 58 23.60	−43 00 17.6	8.71	H	254.598 314 80	−43.004 902 71	3.41	6.06	−8.25	1.31	0.67	1.44	1.36	0.83	−17	−56	+ 2	− 8	+30	+ 9	+44	+33	−43	−23	0	−1.38
83066	16 58 23.92	−67 31 14.2	8.00	H	254.599 652 23	−67.520 609 41	2.92	−0.97	−15.99	0.47	0.61	0.85	0.59	0.70	− 5	− 7	− 3	+13	− 9	+ 2	− 9	+24	+ 3	+ 0	1	3.14
83067	16 58 24.19	−34 35 22.9	9.06	H	254.600 805 79	−34.589 685 11	3.06	−5.78	−12.00	1.20	0.87	1.44	1.37	0.85	+ 0	−12	−36	+20	− 6	+10	+ 2	+ 5	−18	+ 0	0	0.40
83068	16 58 24.79	+20 08 42.9	7.70	H	254.603 310 22	+20.145 240 27	4.13	−35.30	−36.84	0.69	0.67	1.05	0.76	0.89	+ 1	−22	−19	+11	+27	− 6	+33	+ 9	−15	+29	0	−0.79
83069	16 58 25.20	+48 00 02.8	8.04	G	254.605 005 13	+48.000 769 83	15.25	−88.21	74.10	0.65	0.68	0.73	0.76	0.81	+18	− 1	− 7	+11	+ 9	−17	+ 7	+ 2	+ 1	+ 9	0	−0.20
83070	16 58 28.23	−20 47 08.3	8.81	G	254.617 624 67	−20.785 640 95	9.52	50.72	2.45	1.24	0.82	1.34	1.78	1.00	−11	−19	+ 7	+20	+ 2	−10	+ 3	+30	−12	+ 5	0	1.60
83071	16 58 29.45	−60 42 29.2	8.74	H	254.622 726 78	−60.708 112 91	4.45	−0.46	−12.48	0.73	0.64	1.13	0.87	0.81	+27	−23	−17	+14	+ 8	+ 7	+ 7	+47	−10	+32	0	−0.01
83072	16 58 29.74	−67 02 41.7	8.45	H	254.623 904 19	−67.044 920 39	3.65	6.61	−18.77	0.75	0.73	1.15	0.79	0.80	− 2	−32	+ 5	+ 9	−23	− 8	−19	+22	− 2	− 7	0	1.35
83073	16 58 30.57	−27 06 44.2	8.62	H	254.627 356 04	−27.112 281 70	4.96	−27.45	−36.46	1.24	0.91	1.42	1.73	1.25	−14	− 8	+ 7	+ 9	−32	−11	−30	+25	−38	+21	0	1.61
83074	16 58 31.63	−32 21 54.2	9.50	H	254.631 780 60	−32.365 053 80	4.27	−10.91	−18.16	1.49	1.13	1.71	2.02	1.41	+14	−13	+18	+ 4	−19	−24	− 8	+16	−30	+37	0	0.13
83075	16 58 31.77	+30 35 08.7	8.50	H	254.632 375 84	+30.585 739 38	6.67	18.51	−5.80	0.61	0.78	0.97	0.69	1.12	+ 3	− 9	− 9	+ 5	− 9	− 7	− 6	+29	−17	−12	0	−1.31
83076	16 58 32.39	+43 59 45.3	7.99	H	254.634 951 66	+43.995 915 43	4.98	−13.79	12.57	0.64	0.78	0.81	0.89	0.97	+12	+ 0	− 2	− 5	+ 4	−13	+ 7	−31	+20	+29	3	0.95
83077	16 58 33.41	−09 43 34.0	8.77	H	254.639 224 93	−09.726 112 00	8.37	17.55	10.16	1.23	0.67	1.35	1.73	0.84	+ 1	−24	− 8	+56	+ 8	−12	+10	+68	−28	+25	0	1.68
83078	16 58 33.42	−28 49 13.3	8.69	H	254.639 250 39	−28.820 355 83	3.72	−0.42	−12.19	1.09	0.86	1.20	1.28	1.02	− 1	−20	−24	+ 6	−18	−16	−13	+28	+10	−45	0	1.52
83079	16 58 35.30	−30 50 38.8	7.85	H	254.647 080 27	−30.844 101 42	3.90	13.73	18.43	1.09	0.89	1.27	1.82	1.44	−29	−17	−31	+ 9	−19	−26	−19	+24	+20	−76	0	1.71
83080	16 58 35.83	−30 07 14.3	8.70	H	254.649 297 94	−30.120 627 74	7.95	−8.61	−49.82	1.14	0.89	1.23	1.39	1.08	−24	−21	− 9	+15	− 2	− 8	− 4	+24	+14	−39	0	−0.07
83081	16 58 37.23	−55 59 24.2	3.12	1 G	254.655 128 17	−55.990 055 08	5.68	−18.31	−35.29	0.67	0.58	0.91	0.73	0.63	+16	−41	−38	+32	+ 1	+ 2	+ 8	+40	−14	− 9	0	0.09
83082	16 58 37.80	+01 39 43.1	8.65	H	254.657 488 34	+01.661 974 90	2.17	−1.71	7.53	1.18	0.78	1.26	1.27	0.83	+ 2	−31	−28	+49	+ 0	− 4	+ 4	+51	−19	−10	0	−0.43
83083	16 58 37.94	+15 27 14.5	6.89	H	254.658 073 27	+15.454 020 56	18.72	−24.71	141.02	0.64	0.51	0.83	0.74	0.57	+22	−31	−12	+33	+22	− 8	+24	+ 2	+ 2	+38	0	−0.81
83084	16 58 38.37	+62 31 03.7	9.38	H	254.659 863 88	+62.517 697 77	4.01	−8.10	21.43	0.77	0.83	0.82	0.81	1.01	+ 3	−16	− 8	+14	− 2	− 5	− 1	+28	−10	+ 4	0	1.30
83085	16 58 38.68	+59 47 51.5	9.15	H	254.661 151 33	+59.797 646 14	0.66	0.12	−5.96	0.93	0.83	0.94	1.19	1.06	+15	−19	−20	−13	+ 0	+ 6	+ 5	+12	−17	+ 9	0	0.53
83086	16 58 39.17	+43 56 57.3	9.59	H	254.663 208 95	+43.949 249 49	2.54	−4.75	10.21	0.88	1.07	1.10	1.20	1.36	− 5	+ 9	+ 2	−11	+15	−18	+18	−20	+15	+20	2	1.01
83087	16 58 39.36	+05 03 01.6	10.92	G	254.663 997 40	+05.050 438 24	4.95	13.49	−8.64	2.79	1.59	2.43	3.84	2.08	+22	−20	−23	+69	+22	− 3	+27	+57	−18	+28	0	−1.85
83088	16 58 40.14	+69 38 05.5	7.91	H	254.667 262 76	+69.634 855 69	2.10	2.80	8.59	0.63	0.65	0.66	0.71	0.97	−11	−17	− 1	− 6	− 1	−14	+10	+22	− 4	−36	0	0.13
83089	16 58 41.48	−61 44 29.2	7.26	G	254.672 815 24	−61.741 458 30	12.84	36.27	−76.97	0.57	0.49	0.94	0.70	0.59	− 5	+ 9	− 3	− 1	−54	+26	−50	+34	−13	−27	0	0.24
83090	16 58 41.56	−14 52 10.6	6.48	H	254.673 175 72	−14.869 610 06	20.67	−2.07	−25.14	0.94	0.68	1.21	1.10	0.84	−50	− 4	−17	+32	−42	+11	−34	+78	−33	−57	2	0.63
83091	16 58 42.21	+35 55 33.5	10.44	H	254.675 870 21	+35.925 975 97	−0.72	5.83	−23.93	1.01	1.22	1.33	1.10	1.47	+13	−10	− 2	+18	+14	− 5	+16	+ 5	− 1	+15	1	0.54
83092	16 58 44.13	+76 06 32.8	9.42	H	254.683 862 06	+76.109 121 30	3.74	−12.10	21.20	0.83	0.83	0.92	0.90	1.15	− 3	−18	−20	+ 7	+ 4	+ 8	+12	+14	−28	−18	0	0.07
83093	16 58 44.65	+03 52 48.2	8.65	H	254.686 056 12	+03.880 042 01	9.35	−54.77	38.92	1.14	0.77	1.26	1.33	0.92	−14	−17	− 3	+47	+ 2	+10	+ 4	+44	− 9	−20	0	0.34
83094	16 58 45.44	−23 49 28.9	9.59	G	254.689 346 67	−23.824 704 49	3.44	7.50	−3.26	1.67	1.07	1.85	1.90	1.22	− 7	−36	−23	−13	+ 4	− 7	+ 6	− 2	− 1	−39	0	−1.00
83095	16 58 46.78	+23 48 00.4	8.77	H	254.694 906 96	+23.800 109 26	3.99	−5.57	24.47	0.63	0.77	1.05	0.69	0.94	+ 0	−12	− 1	−16	− 5	+ 1	− 1	+14	−14	− 6	0	0.41
83096	16 58 46.88	+27 38 42.0	8.00	H	254.695 333 92	+27.645 003 54	1.48	−0.65	−3.05	0.55	0.70	0.92	0.68	0.87	+ 2	− 9	− 4	− 2	− 2	−13	− 3	+ 5	− 5	+ 3	2	1.41
83097	16 58 47.12	−23 59 12.0	8.21	H	254.696 353 63	−23.986 654 74	7.98	12.06	−17.18	1.12	0.84	1.27	1.58	1.05	−31	+ 0	−33	−28	+27

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
83001	9.510	0.019	8.816	0.017		0.590	0.015	G	0.66	0.01	H	8.8912	0.0017	0.014	107		8.87	8.91		C			1							
83002	10.091	0.021	8.832	0.013		1.073	0.019	T	1.04	0.02	L	8.8889	0.0025	0.022	127		8.85	8.93					1							
120290	11.314	0.057	10.023	0.028		0.718	0.037	T	0.71	0.02	L	10.1146	0.0037	0.024	84		10.07	10.15					1							
83003	10.631	0.032	10.675	0.053		−0.036	0.056	T	−0.01	0.06	L	10.6085	0.0180	0.178	164		10.48	11.08	10.92	P 1 A			1 X S							G P
83004	9.746	0.020	9.164	0.018		0.544	0.024	T	0.62	0.02	L	9.2614	0.0019	0.021	121		9.22	9.30		C			1							
83005	8.987	0.017	8.332	0.016		0.608	0.020	T	0.68	0.02	L	8.3464	0.0012	0.009	70		8.33	8.37		C			1							
83006	9.220	0.013	8.050	0.009		1.004	0.018	G	1.05	0.02	I	8.0695	0.0013	0.014	121		8.05	8.09			16578+4722	I 2	1							S
83007	7.737	0.004	6.452	0.003		1.089	0.010	G	1.05	0.01	I	6.4997	0.0006	0.008	223		6.49	6.51		C			1							S
83008	8.879	0.015	8.747	0.018		0.127	0.022	T	0.14	0.02	L	8.7883	0.0017	0.014	100		8.77	8.81					1 S							D
83009	9.671	0.029	8.388	0.017		1.127	0.010	G	1.09	0.01	H	8.4326	0.0016	0.014	61		8.41	8.46					1							
83010	12.585	0.194	10.888	0.064	*	1.354	0.015	G	1.58	0.03	I *	10.7628	0.0034	0.036	143	*	10.70	10.82		D	16578+1317	H 1	2 C B	AB	290	0.589	0.025	2.19	0.12	G
83011	10.238	0.029	9.556	0.026		0.627	0.004	G	0.69	0.00	H	9.6253	0.0025	0.019	82		9.60	9.65		C			1							G
83012	10.034	0.024	9.812	0.031		0.210	0.015	G	0.23	0.02	H	9.8365	0.0021	0.028	98		9.80	9.87					1							D
83013	8.035	0.008	6.509	0.004		1.280	0.000	G	1.24	0.00	H	6.5221	0.0009	0.007	110		6.51	6.54		C			1							S
83014	8.933	0.019	6.806	0.008		1.799	0.017	T	2.52	0.04	O	6.6054	0.0069	0.037	61		6.54	6.64		U 2			1 S							S P
83015	9.860	0.020	8.798	0.014	A	1.100	0.495	G	0.94	0.02	L *	8.8517	0.0020	0.018	113	*	8.82	8.87			16578+4650	I 1	2 C D	AB	302	2.468	0.078	3.96	0.33	S D
83016	10.694	0.042	9.911	0.033		0.695	0.041	T	0.75	0.03	L	10.0164	0.0026	0.027	113		9.96	10.06					1							G
83017	9.774	0.033	9.024	0.027		0.670	0.032	T	0.73	0.03	L	9.0237	0.0040	0.015	38		9.00	9.05					1							
83018	11.601	0.075	9.857	0.026		1.454	0.063	T	1.46	0.10	L	9.7939	0.0028	0.025	127		9.75	9.83		C			1							
83019	10.447	0.036	9.823	0.033		0.581	0.043	T	0.65	0.04	L	9.9601	0.0027	0.029	105		9.90	10.02		C			1							
83020	8.971	0.018	7.833	0.011	*	0.980	0.015	G	1.02	0.01	I *	7.9081	0.0013	0.014	126	*	7.88	7.93		D	16578+4722	I 2	2 C B	AB	61	4.915	0.047	3.37	0.13	S
83021	10.748	0.071	8.792	0.024		1.658	0.062	T	2.96	0.07	O	8.4228	0.0084	0.048	58		8.35	8.52		U 2			1 S							
83022	9.145	0.022	9.062	0.028		0.256	0.015	G	0.29	0.02	H	9.0509	0.0028	0.017	53		9.03	9.07		C			1							
83023	10.159	0.045	8.451	0.021		1.426	0.039	T	1.41	0.06	L	8.4174	0.0027	0.016	69		8.40	8.44					1							
83024	9.691	0.020	8.918	0.017	*	0.703	0.020	T	0.76	0.02	L *	8.9935	0.0019	0.021	144	*	8.95	9.04		C	16580+3101	H 1	2 C D	AB	279	0.397	0.069	2.86	0.28	S D
83025	10.171	0.039	9.975	0.050		0.320	0.020	G	0.37	0.03	H	9.9829	0.0035	0.021	53		9.95	10.02		C			1							G
83026	11.157	0.083	9.923	0.047		1.047	0.076	T	1.02	0.06	L	9.8421	0.0031	0.027	70		9.79	9.88					1							G
83027	10.609	0.046	9.922	0.040		0.600	0.020	G	0.67	0.02	H	9.9942	0.0025	0.020	80		9.96	10.03		C			1							
83028	9.823	0.021	8.400	0.012		1.201	0.019	T	1.16	0.02	L	8.4373	0.0015	0.013	108		8.42	8.47					1							
83029	10.650	0.044	10.085	0.045		0.664	0.020	G	0.73	0.02	H	10.0744	0.0025	0.024	122		10.03	10.11		C			1							G
83030	9.874	0.014	7.976	0.006		1.576	0.012	T	1.59	0.01	L	7.8965	0.0013	0.016	227		7.86	7.92		M			1							
83031	9.786	0.025	9.160	0.023		0.582	0.030	T	0.65	0.03	L	9.2406	0.0021	0.015	75		9.22	9.27		C			1							
83032	8.448	0.010	7.898	0.010		0.515	0.013	T	0.59	0.01	L	7.9628	0.0011	0.011	122		7.95	7.98					1							S
83033	11.055	0.055	10.406	0.050		0.602	0.064	T	0.67	0.06	L	10.5218	0.0036	0.041	103		10.45	10.61					1							G
83034	9.028	0.012	7.823	0.008	*	1.031	0.011	T	1.00	0.01	L *	7.8139	0.0013	0.011	117	*	7.80	7.83		D	16581+1509	I 1	2 C A	AB	64	0.867	0.003	0.68	0.01	S
83035	10.622	0.053	8.939	0.022		1.000	0.040	G	0.98	0.03	R	8.9594	0.0023	0.016	60		8.93	8.99					1 S							
83036	9.663	0.037	7.733	0.015		1.610	0.015	G	1.73	0.02	A	7.6556	0.0021	0.014	46		7.63	7.67					1							
83037	8.704	0.013	8.305	0.013	*	0.402	0.004	G	0.47	0.00	H *	8.3513	0.0016	0.018	112	*	8.32	8.39		D	16581+0902	H 1	2 C A	AB	19	0.389	0.005	1.48	0.03	S
83038	9.529	0.035	8.935	0.032	A						T *	8.5375	0.0047	0.031	44	–	8.50	8.59		D	16581−3013	I 2	2 C P A	AB	188	1.509	0.012	0.36	0.10	G
83039	8.043	0.011	7.941	0.013		0.128	0.009	G	0.14	0.01	H	7.9709	0.0020	0.016	99		7.95	8.00					1							
83040	8.086	0.008	8.119	0.010		−0.026	0.012	T	0.00	0.01	L	8.1237	0.0017	0.014	112		8.09	8.15		C			1							
83041	10.449	0.053	10.234	0.066		0.205	0.080	T	0.23	0.09	L	10.2609	0.0033	0.026	58		10.22	10.30		C			1							G
83042	11.138	0.168	10.783	0.196	C						T	9.9118	0.1517	0.856	42	–	8.63	10.79		D	16581−3013	I 2	1 C F A							X
83043	11.604	0.063	9.837	0.021		1.522	0.038	G	2.24	0.29	I	9.7165	0.0025	0.034	191		9.65	9.78					1							
83044	9.781	0.047	8.399	0.027		1.169	0.042	T	1.13	0.04	L	8.3848	0.0021	0.018	56		8.35	8.42					1							
83045	9.225	0.013	7.349	0.006		1.559	0.011	T	1.58	0.01	L	7.2823	0.0010	0.010	129		7.27	7.29					1							S
83046	7.699	0.008	7.667	0.007		0.029	0.009	T	0.05	0.01	L	7.6890	0.0010	0.010	138		7.67	7.71		C			1							S
83047	9.154	0.014	8.061	0.010		0.944	0.013	T	0.93	0.01	L	8.1078	0.0012	0.014	104		8.08	8.13		C			1							S
83048	9.514	0.018	7.858	0.009		1.385	0.016	T	1.36	0.02	L	7.8353	0.0008	0.009	122		7.82	7.85		C			1							
83049	8.775	0.008	8.478	0.008	A	0.300	0.495	G	0.31	0.04	L *	8.4762	0.0012	0.016	215	*	8.45	8.51		D	16582+2520	I 1	2 C A	AB	252	5.944	0.029	3.26	0.15	
83050	8.878	0.011	8.511	0.012		0.360	0.015	G	0.42	0.02	H	8.5760	0.0017	0.012	117		8.55	8.60					1							S
83051	9.416	0.024	8.836	0.022	*	0.542	0.029	T	0.62	0.03	L *	9.2019	0.0019	0.025	132	*	9.17	9.25		D	16582+3147	I 1	2 C A	AB	262	2.153	0.004	0.58	0.02	S
83052	8.794	0.011	8.324	0.010		0.443	0.014	T	0.51	0.01	L	8.3789	0.0016	0.012	134		8.36	8.41		C			1							S
83053	6.938	0.003	6.559	0.003		0.359	0.004	T	0.42	0.00	L	6.6138	0.0006	0.008	170		6.60	6.63					1							S
83054	8.091	0.011	8.139	0.014		−0.039	0.016	T	−0.02	0.02	L	8.1315	0.0033	0.023	75		8.10	8.17		U			1							
83055	9.493	0.022	7.605	0.010		1.568	0.019	T	1.59	0.02	L	7.5556	0.0014	0.010	53		7.54	7.57		C			1							S
83056	10.723	0.039	9.953	0.032		0.701	0.039	T	0.76	0.03	L	10.0378	0.0042	0.044	110		9.95	10.09					1 G							
83057	5.547	0.004	5.535	0.004		0.016	0.005	T	0.04	0.01	L	5.5417	0.0009	0.006	73		5.53	5.55		C			1							S
83058	8.942	0.014	8.379	0.013		0.533	0.015	G	0.61	0.02	H	8.4477	0.0016	0.013	90		8.43	8.48		C			1							
83059	8.377	0.014	7.267	0.010		0.765	0.020	G	0.95	0.01	A	7.3542	0.1048	0.314	53		6.81	7.61	6.06	P 1 A	16583−3337	I 1	1 S							S
83060	11.293	0.094	9.123	0.025		1.793	0.078	T	1.82	0.08	L	9.0449	0.0040	0.017	53		8.99	9.07					1							
83061	9.761	0.037	9.249	0.037		0.476	0.020	G	0.55	0.02	H	9.2761	0.0043	0.018	35		9.25	9.31					1							
83062	9.710	0.031	9.194	0.032		0.456	0.015	G	0.53	0.02	H	9.2224	0.0022	0.020	40		9.19	9.26		C			1							
83063	8.950	0.010	8.679	0.011		0.258	0.014	T	0.29	0.02	L	8.7314	0.0018	0.022	150		8.70	8.78					1							
83064	8.770	0.011	8.149	0.010		0.583	0.015	G	0.65	0.01	H	8.2137	0.0016	0.016	115		8.19	8.25					1 S							S
83065	9.010	0.014	8.715	0.015		0.280	0.022	T	0.32	0.03	L	8.7886	0.0016	0.013	89		8.77	8.81		C			1							
83066	8.032	0.007	7.995	0.008		0.034	0.009	T	0.05	0.01	L	8.0185	0.0012	0.013	172		8.00	8.04		C	16584−6731	I 1	1							S
83067	9.398	0.027	9.077	0.029		0.308	0.043	T	0.35	0.06	L	9.1340	0.0026	0.018	56		9.10	9.19		C			1							
83068	9.085	0.012	7.819	0.008		1.079	0.011	T	1.04	0.01	L	7.8672	0.0016	0.015	116		7.85	7.89					1							S
83069	8.661	0.010	8.087	0.009		0.553	0.015	G	0.63	0.01	H	8.1556	0.0017	0.015	108		8.13	8.19					1							S
83070	9.324	0.024	8.900	0.024		0.433	0.020	G	0.50	0.02	H	8.9049	0.0028	0.018	54		8.88	8.94		C			1 S							
83071	8.755	0.010	8.736	0.013		0.018	0.014	T	0.04	0.01	L	8.7554	0.0015	0.019	156		8.72	8.79					1							
83072	9.672	0.016	8.554	0.011		0.963	0.015	T	0.95	0.01	L	8.6108	0.0018	0.016	147		8.58	8.64					1							
83073	9.027	0.019	8.654	0.020		0.372	0.020	G	0.43	0.02	H	8.7040	0.0017	0.011	49		8.68	8.72		D			1							
83074	10.260	0.046	9.635	0.042		0.577	0.046	T	0.65	0.04	L	9.6295	0.0053	0.024	56		9.60	9.68					1 S							G
83075	9.096	0.014	8.558	0.013		0.504	0.017	T	0.58	0.02	L	8.6093	0.0015	0.014	125		8.58	8.64		C			1							
83076	9.132	0.014	8.082	0.010		0.912	0.013	T	0.91	0.01	L	8.1445	0.0018	0.018	90		8.12	8.17					1							S
83077	9.306	0.017	8.812	0.016		0.465	0.021	T	0.54	0.02	L	8.8742	0.0017	0.014	110		8.85	8.90		C			1							
83078	10.045	0.033	8.833	0.021		1.036	0.031	T	1.01	0.03	L	8.8579	0.0022	0.020	58		8.82	8.89		D			1							
83079	9.258	0.033	7.956	0.020		1.107	0.030	T	1.07	0.03	L	8.0146	0.0016	0.012	41		7.99	8.04		D			1							
83080	9.160	0.024	8.738	0.025		0.412	0.028	T	0.48	0.03	L	8.7944	0.0028	0.016	53		8.76	8.83					1							
83081	5.234	0.005	3.301	0.004		1.552	0.097	G	1.60	0.02	A	3.2393	0.0012	0.008	75		3.23	3.25		M			1							S
83082	10.513	0.040	8.836	0.018		1.401	0.035	T	1.38	0.04	L	8.7992	0.0025	0.017	80		8.77	8.84		C			1							
83083	7.657	0.006	6.971	0.005		0.646	0.006	G	0.71	0.01	H	7.0276	0.0012	0.010	125		7.01	7.05		C			1							S
83084	9.776	0.022	9.421	0.024		0.337	0.030	T	0.39	0.04	L	9.4572	0.0021	0.017	111		9.42	9.51		C			1							
83085	10.952	0.050	9.315	0.023		1.370	0.043	T	1.34	0.05	L	9.2963	0.0021	0.019	95		9.26	9.33		C			1							
83086	10.925	0.052	9.708	0.030		1.040	0.047	T	1.01	0.04	L	9.7514	0.0027	0.021	91		9.72	9.80		C			1							
83087	11.714	0.142	11.059	0.119		0.690	0.020	G	0.75	0.02	H	11.0523	0.0054	0.038	65		10.98	11.14					1							G
83088	9.091	0.014	7.999	0.010		0.944	0.013	T	0.93	0.01	L	8.0668	0.0014	0.012	95		8.05	8.09		C			1							S
83089	7.742	0.004	7.308	0.004		0.435	0.003	G	0.50	0.00	H	7.3516	0.0007	0.011	223		7.34	7.37					1							S
83090	6.928	0.004	6.514	0.004		0.391	0.005	T	0.46	0.01	L	6.5666	0.0007	0.007	128		6.55	6.58					1							S
83091	11.862	0.092	10.465	0.040		1.181	0.079	T	1.14	0.07	L	10.6016	0.0030	0.035	142		10.52	10.65		C			1 S							G
83092	9.803	0.025	9.391	0.026		0.389	0.033	T	0.45	0.04	L	9.5072	0.0024	0.021	106		9.48	9.55		C	16588+7606	I 2	1							
83093	9.833	0.024	8.757	0.016		0.931	0.022	T	0.93	0.02	L	8.8105	0.0016	0.016	87		8.78	8.85		C			1							
83094	11.251	0.092	9.769	0.043		1.276	0.015	G	1.24	0.02	H	9.7446	0.0043	0.023	54		9.70	9.78		C			1							G
83095	9.455	0.015	8.835	0.013		0.577	0.017	T	0.65	0.02	L	8.8978	0.0016	0.017	161		8.86	8.93		C			1							
83096	10.099	0.021	8.188	0.008		1.587	0.018	T	1.61	0.02	L	8.1189	0.0012	0.015	156		8.09	8.14		C			1							
83097	8.524	0.015	8.244	0.016		0.279	0.015	G	0.32	0.02	H	8.2841	0.0020	0.016	50		8.26	8.31		C			1							
83098	10.758	0.054	10.213	0.053		0.511	0.068	T	0.58	0.07	L	10.3631	0.0039	0.036	107		10.31	10.46			16588+7606	I 2	1 X							G
83099	9.318	0.020	8.580	0.017		0.661	0.020	T	0.72	0.02	L	8.6434	0.0019	0.013	56		8.62	8.67		D			1							
83100	6.280	0.004	6.072	0.005	*	0.179	0.001	G	0.21	0.02	A *	6.1115	0.0009	0.006	59	*	6.10	6.13		D	16589−3737	I 1	2 C S A	AB	65	0.173	0.010	0.78	0.19	S

Number	Descriptor: epoch J1991.25					Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V			α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag			deg	deg		mas	mas/yr		mas			mas/yr		$\alpha*$	$\alpha*$	δ	$\alpha*$	δ	π	$\alpha*$	δ	π	$\mu_{\alpha*}$	%	
1 2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
83101 H	16 58 53.85	−39 33 32.7	8.33		G	254.724 354 89	−39.559 092 25	A	52.30	272.90	223.14	1.99	1.40	2.05	1.87	1.41	− 3	−33	−11	− 1	+ 0	− 7	+ 9	+ 2	−22	−14	2	0.93
83102 H	16 58 54.11	+54 43 42.5	8.61	2	H	254.725 468 98	+54.728 461 33	*	1.04	−0.89	2.12	0.74	0.69	0.79	0.95	0.83	− 3	−12	+15	− 7	− 2	+16	− 3	+ 0	−12	+ 3	0	0.41
83103	16 58 54.55	−08 37 12.9	9.27		H	254.727 294 33	−08.620 260 26		−2.51	−1.80	4.09	1.18	0.74	1.40	1.48	0.86	−15	−10	−31	+45	−22	+29	−10	+63	−39	−26	2	−1.75
83104	16 58 55.16	−39 10 06.5	7.44		H	254.729 842 07	−39.168 481 93		1.12	7.43	3.57	0.87	0.66	0.98	0.91	0.70	− 8	−31	−20	+14	−19	+ 5	−12	+24	−15	−22	0	0.75
83105	16 58 56.81	−46 07 44.4	8.09	2	H	254.736 692 84	−46.128 988 40		0.42	−0.11	−3.74	0.97	0.65	1.05	1.16	0.71	−19	− 8	− 7	+27	+13	+14	+12	+46	−21	−22	2	2.10
83106	16 58 57.73	+52 18 35.5	8.08	2	H	254.740 541 49	+52.309 873 28		2.18	−6.34	−4.25	0.62	0.68	0.69	0.70	0.84	+10	+ 7	+ 5	+ 0	+11	− 5	+11	+22	− 3	+12	0	−0.11
83107	16 58 58.01	−15 48 42.7	8.21		H	254.741 705 88	−15.811 861 69		17.74	−14.70	−55.70	0.93	0.62	1.04	1.11	0.73	−24	−13	− 4	+31	−10	+ 4	− 8	+66	−15	−24	0	1.26
83108	16 58 58.35	+17 32 12.1	8.47		H	254.743 142 86	+17.536 691 64		8.05	−39.98	1.81	0.61	0.62	1.06	0.84	0.79	−24	− 4	− 3	+19	+35	+13	+38	+11	− 4	+38	1	−1.28
83109	16 58 58.38	+31 28 11.8	7.74		H	254.743 250 84	+31.469 946 21		13.96	12.32	4.24	0.50	0.63	0.77	0.57	0.81	− 1	−16	− 7	+27	− 7	−15	− 5	+30	−16	−13	0	0.35
83110	16 58 58.48	−48 26 17.3	9.29		H	254.743 651 30	−48.438 126 41		6.65	−21.37	−27.30	1.10	0.98	1.36	1.58	1.22	−36	− 6	−30	− 2	− 5	−19	− 1	+35	−16	−56	0	0.24
83111	16 58 59.66	+33 04 16.1	10.88		H	254.748 590 29	+33.071 149 65		2.08	−14.77	8.15	1.17	1.18	1.50	1.46	1.48	+10	− 6	+10	+31	+14	−16	+19	+11	− 8	+26	0	0.29
83112	16 59 00.44	−49 44 37.8	7.92		G	254.751 850 58	−49.743 820 07		2.46	−8.23	−7.84	0.78	0.64	0.95	0.92	0.70	−17	−16	−20	+ 5	− 1	− 6	+ 0	+31	−26	−10	0	−0.30
83113	16 59 01.60	+29 38 05.0	11.69		H	254.756 659 79	+29.634 732 18		29.24	205.57	94.11	1.84	2.43	2.97	2.12	3.09	− 2	+10	− 8	+ 3	− 9	− 2	−11	+10	−21	− 9	1	2.36
83114	16 59 02.57	+69 11 10.9	6.41		H	254.760 725 49	+69.186 347 33		11.46	−0.18	−40.64	0.50	0.50	0.52	0.50	0.64	+ 6	−22	− 4	+13	+ 8	− 8	+ 9	+15	+ 0	+ 2	0	0.38
83115	16 59 04.90	+17 41 17.9	7.63		H	254.770 422 61	+17.688 306 35		5.13	9.12	8.15	0.55	0.54	0.89	0.71	0.69	−12	−10	− 6	+19	+35	+ 9	+38	+14	− 3	+39	0	0.78
83116	16 59 05.57	−48 52 30.5	6.64		G	254.773 202 62	−48.875 125 64		6.37	4.48	1.69	0.68	0.57	0.84	0.77	0.60	−28	−11	−28	+ 6	−16	−10	−13	+44	−26	−35	0	1.10
83117	16 59 05.61	+11 30 47.1	7.89	2	H	254.773 365 75	+11.513 079 77		3.56	1.51	−22.42	0.85	0.60	1.00	0.97	0.67	+10	−21	−16	+31	+14	+ 9	+18	+16	−16	+10	0	0.20
83118	16 59 06.91	−23 21 59.8	10.52		G	254.778 807 28	−23.366 608 73		7.06	−25.46	−15.81	1.96	1.25	2.12	2.14	1.39	+ 8	−24	−21	−20	−22	−13	−11	+14	−13	−28	0	0.42
83119	16 59 07.08	−38 33 57.7	7.57	1	H	254.779 482 67	−38.566 014 10		0.11	−0.73	−0.89	0.91	0.67	1.05	0.97	0.73	− 8	−45	−25	+19	−11	+15	− 9	+34	+ 5	−16	0	1.38
83120	16 59 10.09	+06 36 14.6	9.30		H	254.792 045 54	+06.604 067 75		21.49	−200.00	−5.60	1.86	1.09	1.42	2.11	1.34	+46	+ 6	− 8	+70	+59	+ 1	+58	+46	+13	+35	0	0.68
83121	16 59 10.38	−53 01 25.0	7.83		H	254.793 231 43	−53.023 607 12		4.88	1.64	−21.03	1.05	0.89	1.22	1.41	0.92	+ 5	− 6	−39	+29	+37	− 8	+32	+27	− 2	+11	0	1.38
83122	16 59 11.29	−46 57 01.4	9.12		H	254.797 039 76	−46.950 391 46		9.61	−2.12	−16.83	1.12	0.79	1.24	1.41	0.85	−10	−18	−26	+14	+33	− 9	+29	+34	− 8	−19	0	−0.93
83123	16 59 11.86	+14 04 45.9	7.35		H	254.799 422 46	+14.079 422 52		11.96	−18.65	−51.96	0.56	0.49	0.87	0.71	0.57	− 8	−18	− 4	+13	+ 8	+ 6	+12	− 2	− 2	+22	0	−1.46
83124	16 59 13.89	−37 34 20.0	8.99		H	254.807 876 78	−37.572 227 17		2.59	−0.63	−2.75	1.36	1.03	1.69	1.26	0.97	+ 0	−42	−39	+10	−16	+11	− 4	+15	−19	−32	0	−0.09
83125 H	16 59 16.40	−19 25 44.9	9.33		H	254.818 347 27	−19.429 130 74	A	4.14	−9.35	−9.73	4.25	1.99	2.21	2.58	2.00	−32	−15	−20	+ 4	−15	− 6	− 6	+20	− 4	−52	1	0.41
83126 H	16 59 16.85	−13 11 55.2	8.94	2	H	254.820 216 52	−13.198 671 90	A	4.01	19.06	−27.12	2.68	1.87	2.61	2.95	1.91	−29	+ 5	−25	+56	−34	+ 9	−32	+80	−39	−34	2	−0.35
83127	16 59 16.91	−12 03 17.9	10.13		H	254.820 441 83	−12.054 978 98		2.59	8.89	−24.58	1.89	1.03	2.03	2.43	1.18	+ 4	− 6	− 1	+54	+ 9	+ 8	+ 9	+67	−20	+11	0	−0.29
83128	16 59 17.73	+68 40 44.1	7.51		H	254.823 873 38	+68.678 912 15		8.26	19.92	−7.98	0.49	0.54	0.53	0.52	0.67	+ 6	− 9	+ 5	+11	+17	− 1	+18	+14	+ 2	+13	0	−0.81
83129	16 59 17.77	+02 54 31.9	8.68		H	254.824 035 69	+02.908 863 62		0.93	−28.57	13.29	1.34	0.81	1.39	1.39	0.92	+16	−34	−17	+53	+18	−13	+17	+46	− 8	− 2	0	−0.83
83130	16 59 18.52	+34 51 51.7	8.46		G	254.827 148 48	+34.864 364 17		4.10	9.12	−13.38	0.59	0.75	0.85	0.63	0.84	+12	+ 7	+17	+ 1	+ 9	−13	+11	+12	−12	+11	1	−0.54
83131 H	16 59 18.53	−16 54 09.2	8.59		H	254.827 221 93	−16.902 569 29	A	5.44	−3.58	−18.43	4.03	2.42	2.88	3.95	2.36	+ 0	−34	− 4	+ 7	+ 7	−11	+10	+26	−13	− 1	1	0.74
83132	16 59 19.96	−41 24 18.6	8.11		H	254.833 177 09	−41.405 166 56		1.60	−4.83	−20.83	1.14	0.79	1.16	1.75	0.92	−14	−21	+ 6	+15	+24	− 5	+18	+51	− 8	−19	0	0.46
83133 H	16 59 20.00	−51 09 49.5	9.11		H	254.833 342 14	−51.163 756 84	A	4.39	−15.24	−13.30	3.55	2.24	2.43	2.92	1.99	−41	−19	+ 0	+11	+ 0	− 9	− 3	+38	− 4	−27	2	−0.60
83134	16 59 20.57	+24 29 32.5	8.78		H	254.835 698 64	+24.492 363 82		−0.50	−0.41	−0.53	0.50	0.89	1.26	0.64	1.19	+20	− 3	+ 8	+15	+ 3	− 6	+ 4	+20	−22	+13	1	−0.10
83135	16 59 20.64	−63 37 24.7	8.74		H	254.835 996 73	−63.623 519 93		10.31	15.45	−96.51	0.76	0.67	1.17	0.88	0.77	+18	−15	−10	−26	−35	+ 8	−27	+17	− 1	− 1	0	0.18
83136	16 59 21.37	−14 44 05.2	9.00		H	254.839 031 57	−14.734 764 33		9.76	8.40	19.94	1.35	0.73	1.96	1.51	0.89	−25	−24	−18	+38	−19	+ 3	− 8	+71	−43	−26	0	0.99
83137	16 59 21.49	−01 41 15.6	7.55		H	254.839 544 58	−01.687 669 43		16.37	28.38	−2.09	0.84	0.54	0.96	0.88	0.62	−12	−36	−10	+38	−10	− 2	− 2	+55	−21	−17	0	−0.56
83138	16 59 21.57	+56 41 18.6	6.04		H	254.839 873 04	+56.688 504 77		10.99	−52.85	36.63	0.58	0.47	0.50	0.82	0.61	−15	− 2	+ 1	−47	+ 6	− 7	+16	−30	− 6	− 6	0	0.96
83139	16 59 23.29	−16 03 51.5	7.79		G	254.847 044 68	−16.064 315 08		5.68	25.62	−17.76	0.91	0.61	1.03	0.98	0.70	−18	−29	−14	+22	−28	− 1	−13	+66	−21	−37	2	0.15
83140	16 59 25.21	+38 21 22.4	8.69		H	254.855 057 18	+38.356 209 60		2.52	−12.26	11.71	0.57	0.76	0.80	0.71	1.02	+11	− 5	−15	+ 5	+ 6	− 7	+ 3	−20	−10	− 2	1	1.19
83141	16 59 25.60	+35 40 50.2	9.35		H	254.856 658 88	+35.680 617 84		29.22	−299.51	233.07	0.70	0.91	1.00	0.82	1.17	+ 6	−12	− 8	+13	+ 9	−19	+ 9	+ 1	− 7	+ 5	1	1.60
83142	16 59 25.71	−28 51 42.2	9.98		H	254.857 118 52	−28.861 722 93		5.65	−3.38	−87.66	1.47	1.21	1.61	1.72	1.37	−12	−23	−32	+19	−36	+ 3	−26	+48	−11	−46	0	0.08
83143 H	16 59 29.54	+09 42 12.3	7.96		G	254.873 077 99	+09.703 428 01	A	5.19	−3.14	9.86	2.93	2.17	2.36	2.13	1.72	+30	− 8	− 5	+41	+39	+ 0	+38	+46	+ 3	+48	4	−0.73
83144	16 59 30.15	+18 33 20.9	8.04		H	254.875 624 76	+18.555 804 03		3.10	−12.19	2.62	0.65	0.72	1.16	0.81	0.80	−21	−14	−30	− 9	+31	−11	+28	− 2	−20	+23	0	0.36
83145	16 59 30.58	−05 49 36.3	9.23		H	254.877 420 32	−05.826 754 36		8.92	−18.96	30.93	1.27	0.79	1.36	1.48	0.91	− 5	−30	− 3	+47	− 2	+10	+ 2	+62	−13	− 5	0	1.97
83146	16 59 31.57	−07 57 20.0	8.06		H	254.881 526 86	−07.955 545 99		12.09	−83.68	18.02	0.95	0.62	1.07	1.17	0.76	−20	−20	−16	+39	−20	+ 7	−12	+61	−27	−27	4	0.65
83147	16 59 33.18	−26 16 01.9	10.38		G	254.888 262 84	−26.267 183 98		39.86	120.12	−299.37	10.53	7.79	11.61	17.98	10.18	+ 4	−17	−10	−21	−20	−20	−12	−33	−17	+36	0	
83148	16 59 33.22	+66 59 56.6	8.81		H	254.888 405 32	+66.999 058 42		5.90	19.81	114.91	0.72	0.74	0.75	0.83	1.06	+17	−10	+ 0	− 7	+ 1	− 6	− 1	+10	+ 0	+25	0	1.11
83149	16 59 33.37	+42 22 10.6	9.17		H	254.889 045 34	+42.369 599 99		5.10	−5.76	−14.28	0.79	1.00	1.01	0.78	1.23	+27	−19	−16	− 4	− 4	+ 7	− 8	−25	+22	+19	0	0.64
83150 H	16 59 33.98	−69 16 05.3	5.79	1	G	254.891 592 36	−69.268 131 78	A	3.32	−13.94	−13.12	0.46	0.52	0.68	0.50	0.55	+10	−17	− 4	−21	+ 8	+ 1	+ 8	+ 7	− 1	+ 0	2	0.49
83151	16 59 34.49	+05 48 05.6	8.22		H	254.893 726 90	+05.801 553 96		−1.62	8.76	−21.07	1.09	0.77	1.34	1.62	0.94	+ 7	−21	−34	+24	− 4	−27	− 9	+33	−17	+13	0	0.04
83152	16 59 34.87	+29 32 58.2	7.84		H	254.895 310 37	+29.549 496 19		5.65	14.79	−8.52	0.52	0.70	0.86	0.60	0.89	+ 0	+ 4	− 8	+ 7	−10	− 6	−11	+16	−16	− 7	0	2.45
83153	16 59 35.05	−53 09 37.8	4.06		H	254.896 027 73	−53.160 490 05		10.72	1.12	21.53	0.71	0.56	0.79	0.96	0.65	−12	+ 2	− 6	+30	+18	+27	+17	+31	+ 4	− 2	0	0.61
83154	16 59 35.21	+08 01 36.1	8.02		H	254.896 721 74	+08.026 704 54		4.01	−21.99	14.46	1.21	0.74	1.15	1.51	0.86	+18	−32	−21	+61	+15	− 7	+18	+53	−17	+16	0	−0.77
83155 H	16 59 35.57	−41 17 08.1	7.88		H	254.898 195 97	−41.285 588 36	*	3.39	−36.47	−50.89	1.83	2.21	1.52	1.82	1.32	− 9	+ 4	− 8	+ 3	− 6	−18	−18	+30	−23	−33	4	−0.78
83156	16 59 36.01	−67 11 58.4	8.21		H	254.900 035 51	−67.199 558 30		5.93	4.40	−2.97	0.64	0.69	0.99	0.68	0.78	− 1	−20	+ 2	− 9	−23	− 2	−20	+34	− 4	− 6	0	1.73
83157	16 59 38.62	+18 40 04.6	11.34		H	254.910 904 40	+18.667 935 43		4.45	−14.96	−57.02	1.82	1.89	3.14	2.38	2.59	− 6	− 2	−18	− 5	+33	−17	+24	+17	−16	+39	0	−1.41
83158	16 59 40.07	+24 12 17.0	7.78		H	254.916 939 95	+24.204 717 90		3.69	−14.11	−75.14	0.43	0.69	0.92	0.53	0.91	+13	− 9	− 6	+15	+ 0	+ 6	+ 3	+29	−14	+ 0	0	−1.04
83159	16 59 42.48	−37 26 16.7	9.02		H	254.926 983 76	−37.437 969 01		6.78	−8.44	−28.09	1.36	1.02	1.71	1.29	0.99	− 3	−41	−38	+ 8	−15	+15	+ 0	+20	−23	−35	0	−0.02
83160	16 59 42.67	+58 35 51.7	8.03		H	254.927 795 87	+58.597 682 38		4.39	13.18	−4.45	0.58	0.55	0.61	0.65	0.61	+ 2	− 9	−13	+14	− 1	− 5	+ 0	+11	−14	+ 6	0	−0.61
83161 H	16 59 43.62	−41 58 42.9	8.48		H	254.931 763 77	−41.978 596 14	*	0.75	−3.47	−4.01	1.05	0.69	1.14	1.14	0.78	−36	−26	+ 5	+ 4	− 3	+ 6	+ 2	+44	−24	−37	0	0.80
83162	16 59 44.17	+20 50 25.3	10.19		H	254.934 024 06	+20.840 370 35		5.14	0.12	2.10	1.11	1.26	1.85	1.32	1.72	+10	− 2	−26	+21	+25	+ 4	+33	+14	− 9	+35	0	−1.21
83163	16 59 44.33	−18 14 52.8	6.63		H	254.934 699 85	−18.247 995 44		19.73	−25.50	−142.04	0.73	0.53	0.80	0.93	0.63	−12	−27	−22	+26	− 1	+ 0	− 3	+35	+ 8	−30	0	0.13
83164 H	16 59 46.43	+36 55 16.9	7.79		H	254.943 452 80	+36.921 352 96	A	4.96	−8.28	20.25	0.78	0.85	0.93	0.77	1.02	+ 1	−19	+ 0	+ 6	+ 5	− 3	+ 9	+ 8	−16	−29	2	−0.54
83165	16 59 47.82	+10 54 55.6	7.08		H	254.949 249 00	+10.915 435 80		4.41	15.89	13.31	0.75	0.53	0.91	0.80	0.63	+25	−37	−16	+34	+21	+ 0	+28	+36	−24	+22	0	−1.29
83166	16 59 49.38	−04 13 16.4	7.49		H	254.955 767 90	−04.221 228 77		0.87	2.95	7.52	0.90	0.53	1.09	0.94	0.61	− 4	−45	− 1	+40	− 7	−15	+ 2	+55	−18	− 3	0	1.55
83167	16 59 49.95	+37 50 58.0	8.46		H	254.958 122 45	+37.849 452 10		4.21	28.66	−31.07	0.58	0.75	0.82	0.68	1.12	− 6	−18	−12	+ 9	+ 3	−13	+ 3	+ 2	−15	−37	0	0.35
83168	16 59 50.09	+58 27 45.2	6.87		H	254.958 707 05	+58.462 552 86		7.14	−10.06	12.09	0.48	0.46	0.50	0.52	0.50	− 2	+ 0	+ 5	+16	+ 0	+ 1	+ 0	+ 5	−12	+ 5	0	−0.42
83169	16 59 50.26	−43 51 26.2	9.93		H	254.959 398 88	−43.857 272 19		1.42	−22.16	−19.59	2.06	1.15	2.32	2.30	1.39	+15	−45	−14	+30	+37	+ 2	+46	+66	−48	+13	0	0.15
83170	16 59 51.23	+17 48 22.1	7.34		H	254.963 447 08	+17.806 134 46		9.05	−4.96	4.14	0.52	0.51	0.86	0.68	0.63	−18	−13	−17	+21	+22	+ 3	+31	+ 5	−14	+26	0	−0.42
83171	16 59 52.20	+46 01 12.7	9.46		H	254.967 502 00	+46.020 195 97		2.07	3.82	−6.68	0.89	1.00	1.06	1.03	1.19	− 2	−17	− 2	−15	+10	+ 8	+ 9	+ 2	+ 5	+ 1	0	0.18
83172	16 59 52.93	+27 18 57.3	7.20	2	H	254.970 521 39	+27.315 928 36		1.30	−25.10	2.32	0.46	0.58	0.79	0.56	0.72	+ 0	− 9	− 9	−19	− 5	−11	− 5	− 2	−15	+ 0	0	−0.68
83173 H	16 59 54.72	−73 25 20.8	6.72		H	254.977 980 95	−73.422 455 33	A	2.89	−1.73	−12.00	0.53	0.70	0.80	0.48	0.74	+18	−11	− 1	−16	− 2	− 3	− 3	+ 3	+ 3	+17	1	−0.50
83174	16 59 54.78	−59 19 46.0	7.18		H	254.978 255 95	−59.329 433 78		20.90	19.38	−95.90	0.59	0.57	0.92	0.77	0.70	−14	−10	−13	− 1	− 1	+30	+ 3	+15	− 7	−11	0	0.47
83175	16 59 57.66	−80 05 10.2	9.17		H	254.990 252 32	−80.086 176 84		2.69	−7.60	−7.63	0.70	0.84	0.99	0.68	1.00	− 6	−35	+11	− 5	+10	+ 4	+16	−10	−18	− 1	1	2.00
83176	16 59 57.70	−25 05 31.8	5.88	1	H	254.990 432 86	−25.092 161 89		6.76	2.68	−15.00	1.02	0.78	1.04	1.32	1.10	−39	−41	−10	−29	+31	+ 2	+28	−44	− 5	−61	0	0.66
83177	16 59 59.76	−31 35 36.1	8.89		H	254.999 015 90	−31.593 354 16		14.71	−63.48	−29.72	1.40	1.23	1.48	1.91	1.75	−38	− 3	−22	+19	−32	−12	−35	+25	−10	−56	0	2.21
83178	17 00 00.63	+09 47 52.8	7.59		H	255.002 618 19	+09.798 007 03		4.23	10.20	−12.81	0.72	0.50	0.85	0.67	0.54	+22	−40	− 8	+43	+37	+ 0	+41	+22	−13	+24	0	0.72
83179	17 00 00.69	−22 08 55.8	9.82		H	255.002 882 24	−22.148 831 58		11.48	−28.96	−40.28	1.50	1.08	1.69	1.87	1.29	−19	−24	−18	+ 9	−12	−13	− 7	+26	−14	−37	0	0.59
83180	17 00 01.27	+19 35 36.3	8.31		H	255.005 303 21	+19.593 426 14		7.26	61.43	−21.30	0.71	0.76	1.23	0.83	1.01	− 2	−16	− 6	+ 8	+33	−10	+34	+16	−23	+41	1	1.15
83181	17 00 01.60	−07 31 53.8	7.98		G	255.006 669 61	−07.531 610 19		22.87	97.18	−19.38	1.00	0.63	1.06	1.12	0.73	− 3	−37	−14	+41	−13	−11	− 7	+63	−15	−13	2	1.47
83182	17 00 02.38	−31 30 01.2	9.61		H	255.009 911 34	−31.500 325 59		12.12	−55.53	82.77	1.76	1.45	1.94	2.59	2.34	−38	+ 0	−32	+14	−29	−18	−34	+30	− 1	−70	0	0.28
83183	17 00 03.44	+53 02 40.1	7.42		H	255.014 340 70	+53.044 485 09		3.09	−6.60	25.66	0.50	0.51	0.54	0.52	0.58	+11	+ 1	+13	+ 0	+17	−11	+21	+13	− 5	+ 8	0	−0.77
83184	17 00 04.51	+78 05 56.5	7.12		H	255.018 807 30	+78.099 039 72		1.86	−8.04	9.13	0.49	0.47	0.53	0.54	0.62	+12	−23	− 9	−17	− 4	+ 2	− 4	−15	− 1	+ 3	0	0.41
83185	17 00 05.27	−57 09 18.5	12.17	2	H	255.021 950 13	−57.155 137 02		7.31	5.39	−6.13	3.44	3.11	5.61	4.18	3.64	− 9	−23	− 2	− 3	− 7	+22	− 9	− 7	+12	−17	2	−0.15
83186	17 00 05.46	+39 06 01.3	7.25		H	255.022 731 32	+39.100 349 67		5.73	−53.96	117.02	0.48	0.61	0.65	0.49	0.73	− 1	− 5	−12	−10	+ 5	− 6	+ 5	−16	−10	−13	0	0.45
83187	17 00 06.29	−54 35 49.2	5.64		H	255.026 196 45	−54.597 001 58		19.74	−7.69	−73.04	0.66	0.56	0.80	0.72	0.60	−21	−28	−25	+19	−11	+ 4	− 5	+29	−16	−41	0	−1.37
83188	17 00 07.46	+00 55 14.6	9.00		H	255.031 089 61	+00.920 728 04		3.64	2.53	0.92	1.09	0.73	1.30	1.38	0.86	− 9	−32	−14	+20	− 2	−18	− 1	+41	−19	+ 2	0	1.79
83189	17 00 07.66	+40 21 03.2	8.30		H	255.031 909 84	+40.350 886 78		13.15	41.96	−52.10	0.67	0.79	0.86	0.83	1.03	+ 4	+ 5	− 4	−14	+ 6	− 3	+ 7	−15	+ 6	+ 5	0	−0.75
83190	17 00 07.90	+34 22 12.7	8.64		H	255.032 919 96	+34.370 188 91		8.92	−56.39	17.41	0.61	0.76	0.84	0.69	0.92	+22	+ 0	+11	+21	+23	+ 2	+24	+20	+ 3	+29	0	0.82
83191	17 00 07.95	+12 09 43.0	9.52		H	255.033 139 94	+12.161 941 21		−0.33	2.49	1.79	1.23	0.91	1.68	1.24	1.06	+22	−46	−32	+30	+23	−15	+26	+19	−27	+10	0	−1.16
83192 H	17 00 08.07	−16 38 42.2	8.54		G	255.033 634 62	−16.645 063 50	*	2.45	−4.89	−3.74	1.03	0.58	1.18	0.97	0.63	+ 4	−54	−21	+ 7	−18	− 3	− 1	+55	−18	−23	0	0.44
*83193 H	17 00 09.10	−68 45 41.2	9.35		H	255.037 921 15	−68.761 430 88	A	32.73	143.45	260.78	1.69	2.22	2.60	1.59	1.86	+12	−15	−18	−14	+14	− 7	+13	+16	+ 0	+10	1	1.05
*83194	17 00 09.08	−27 58 05.7	8.45		H	255.037 816 64	−27.968 249 51		7.37	2.36	−12.36	1.07	0.78	1.14	1.15	0.87	−11	−24	− 9	+ 8	−38	−11	−29	+45	−18	−23	0	1.08
83195	17 00 09.28	−26 57 13.8	9.73		G	255.038 667 03	−26.953 843 83		22.34	−166.52	−99.76	1.63	1.09	1.83	2.28	1.40	+ 0	−41	+10	+10	− 1	−23	+ 6	+13	−19	+32	0	0.48
83196	17 00 09.48	−24 59 20.2	5.74		H	255.039 493 77	−24.988 936 59		30.05	49.14	−54.89	0.99	0.75	1.01	1.29	1.08	−39	−42	− 8	−29	+31	+ 1	+27	−44	− 3	−61	0	0.99
83197	17 00 10.04	+34 20 18.1	7.05		H	255.041 841 75	+34.338 368 71	

No.	Tycho Magnitudes					Colour Indices							Magnitude (Hp)					Variability (Hp)				Multiplicity Data										Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag			Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3		44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
83101	9.869	0.055	8.497	0.031	A	1.181	0.045	G	1.36	0.02	A *		8.4382	0.0017	0.013	58	*	8.42	8.47		D	16589−3934	I 1	2 C A	AB	14	3.816	0.014	2.08	0.07	
83102	10.751	0.046	8.937	0.017	*	1.561	0.082	G	1.69	0.17	K *		8.7133	0.0076	0.072	101	*	8.60	8.84		U 2	16589+5444	H 1	2 C S C	AB	336	0.137	0.023	0.89	0.66	P
83103	9.581	0.019	9.290	0.022		0.255	0.020	G	0.29	0.03	H		9.3400	0.0017	0.017	109		9.31	9.37					1							
83104	8.792	0.015	7.556	0.010		1.055	0.014	T	1.02	0.01	L		7.6038	0.0012	0.013	65		7.58	7.62					1							
83105	8.279	0.011	8.146	0.013		0.155	0.003	G	0.17	0.00	H		8.1483	0.0087	0.059	94		8.05	8.24		U 2			1							P
83106	10.194	0.027	8.311	0.012		1.564	0.023	T	1.58	0.02	L		8.1952	0.0021	0.021	96		8.16	8.22		U 2			1							
83107	8.960	0.012	8.279	0.011		0.614	0.010	G	0.68	0.01	H		8.3436	0.0011	0.012	115		8.32	8.36		C			1							
83108	9.000	0.009	8.530	0.008		0.443	0.011	T	0.51	0.01	L		8.5714	0.0011	0.013	179		8.55	8.60					1							S
83109	8.242	0.007	7.787	0.006		0.455	0.015	G	0.52	0.02	H		7.8408	0.0011	0.013	150		7.82	7.87					1							S
83110	9.787	0.031	9.346	0.032		0.430	0.036	T	0.50	0.04	L		9.3866	0.0024	0.017	62		9.36	9.43					1							
83111	11.214	0.056	10.779	0.062		0.355	0.072	G	0.42	0.08	R		10.9645	0.0049	0.037	115		10.89	11.05					1							G
83112	8.103	0.010	7.937	0.014		0.175	0.011	G	0.19	0.01	H		7.9826	0.0013	0.009	76		7.97	8.00					1							S
83113											T		11.8271	0.0090	0.082	128		11.64	11.94					1 S							G
83114	7.288	0.007	6.487	0.005		0.725	0.007	T	0.78	0.01	L		6.5549	0.0007	0.007	90		6.54	6.57		C			1							S
83115	7.734	0.005	7.640	0.005		0.092	0.007	T	0.10	0.01	L		7.6663	0.0011	0.013	181		7.65	7.69					1							S
83116	7.059	0.007	6.675	0.010		0.347	0.010	G	0.41	0.01	H		6.7299	0.0012	0.008	65		6.71	6.75					1							S
83117	10.076	0.025	8.103	0.010		1.672	0.022	T	2.31	0.05	O		7.9320	0.0038	0.034	93		7.87	8.00		U 2			1							S P
83118	11.158	0.081	10.792	0.101		0.700	0.015	G	0.75	0.01	H		10.5915	0.0051	0.039	62		10.52	10.65					1							G
83119	7.608	0.009	7.577	0.012		0.040	0.015	G	0.06	0.01	H		7.5941	0.0032	0.017	52		7.57	7.63		U			1							S
83120	10.555	0.055	9.408	0.033		0.978	0.051	T	1.02	0.05	L		9.4378	0.0022	0.018	65		9.39	9.47		C			1							
83121			8.437	0.015		1.015	0.142	G	0.99	0.02	L		7.9957	0.0013	0.011	59		7.97	8.01					1							
83122	9.815	0.026	9.204	0.024		0.567	0.026	T	0.64	0.02	L		9.2443	0.0019	0.017	90		9.22	9.27					1							
83123	7.821	0.007	7.398	0.006		0.400	0.009	T	0.47	0.01	L		7.4424	0.0012	0.011	125		7.42	7.47		C			1							S
83124	10.659	0.063	9.131	0.029		1.284	0.055	T	1.24	0.06	L		9.1515	0.0038	0.019	57		9.12	9.18		C			1							
83125	11.000	0.078	9.507	0.036	*	0.276	0.015	G	1.37	0.11	S *		9.4748	0.0035	0.028	58	*	9.44	9.51		R	16593−1926	H 1	2 C C	AB	264	0.400	0.076	3.28	0.54	G
83126	9.977	0.033	9.278	0.029	A						T *		9.0664	0.0016	0.022	138	*	9.04	9.13		U 2	16593−1312	I 1	2 C A	AB	135	4.862	0.008	1.36	0.03	
83127	10.992	0.054	10.155	0.041		0.753	0.051	T	0.80	0.04	L		10.2732	0.0024	0.025	128		10.22	10.31		C			1							G
83128	7.875	0.007	7.538	0.008		0.333	0.015	G	0.39	0.02	H		7.5861	0.0012	0.012	114		7.57	7.61					1							S
83129	10.116	0.031	8.809	0.018		1.111	0.028	T	1.07	0.03	L		8.8472	0.0028	0.021	72		8.81	8.90					1							
83130	8.673	0.010	8.440	0.011		0.216	0.015	G	0.24	0.02	H		8.5075	0.0020	0.018	119		8.48	8.54					1							S
83131	9.314	0.021	8.765	0.021	*	0.520	0.022	T	0.59	0.02	L *		8.7080	0.0026	0.014	71	*	8.67	8.73		D	16593−1654	I 1	2 C A	AB	214	0.675	0.003	0.20	0.01	S
83132	8.294	0.011	8.140	0.013		0.148	0.016	T	0.16	0.02	L		8.1633	0.0023	0.016	81		8.13	8.19					1							
83133	10.451	0.050	9.284	0.032	*	1.001	0.046	T	0.98	0.04	L *		9.2722	0.0016	0.023	62	*	9.23	9.31		D	16593−5110	I 1	2 C A	AB	286	0.453	0.010	1.32	0.08	
83134	10.423	0.022	8.917	0.011		1.267	0.019	T	1.23	0.02	L		8.9441	0.0020	0.024	225		8.90	8.98					1							
83135	10.004	0.024	8.822	0.015		1.006	0.023	T	0.98	0.02	L		8.8882	0.0011	0.020	161		8.85	8.94					1							
83136	9.665	0.018	9.093	0.017		0.538	0.018	T	0.61	0.02	L		9.1187	0.0015	0.016	131		9.09	9.14		C			1							
83137	8.038	0.009	7.597	0.009		0.416	0.012	T	0.48	0.01	L		7.6422	0.0009	0.010	90		7.63	7.66		D			1							S
83138	7.551	0.007	6.174	0.004		1.165	0.006	T	1.13	0.01	L		6.2068	0.0009	0.007	107		6.19	6.22					1 G							S
83139	9.902	0.025	7.999	0.011		1.663	0.020	G	1.67	0.09	H		7.8922	0.0015	0.013	102		7.87	7.92					1							
83140	9.921	0.022	8.780	0.014		0.981	0.020	T	0.96	0.02	L		8.8545	0.0018	0.013	113		8.83	8.88		C			1							
83141	10.610	0.034	9.465	0.020		0.984	0.031	T	0.96	0.03	L		9.5118	0.0031	0.034	141		9.46	9.58		R			1							
83142	11.035	0.080	10.150	0.058		0.773	0.076	T	0.81	0.05	L		10.1225	0.0029	0.023	62		10.09	10.16		C			1							G
83143	8.523	0.010	8.017	0.010	*	0.468	0.004	G	0.54	0.00	H *		8.0546	0.0012	0.014	125	*	8.03	8.08		D	16595+0942	I 1	2 C A	AB	124	0.429	0.004	0.04	0.01	S
83144	10.169	0.021	8.238	0.008		1.603	0.018	T	1.62	0.02	L		8.1513	0.0017	0.017	136		8.12	8.18					1							S
83145	9.916	0.025	9.306	0.023		0.649	0.015	G	0.71	0.01	H		9.3697	0.0029	0.019	93		9.34	9.41					1							
83146	8.846	0.013	8.132	0.011		0.657	0.014	T	0.72	0.01	L		8.2008	0.0010	0.010	94		8.18	8.22		C			1							S
83147	11.731	0.170	10.337	0.070		1.356	0.006	G	1.58	0.01	I		10.4464	0.0041	0.025	44		10.36	10.48					1 X							G G
83148	10.137	0.032	8.902	0.020		1.054	0.029	T	1.02	0.02	L		8.9815	0.0014	0.015	103		8.96	9.01		C			1							
83149	10.415	0.032	9.302	0.021		0.959	0.030	T	0.95	0.02	L		9.3301	0.0018	0.025	98		9.29	9.38		D			1							
83150	5.673	0.003	5.784	0.003	*	−0.103	0.003	G	−0.09	0.00	H *		5.7560	0.0012	0.012	183	*	5.74	5.78	2.16	P 1 A	16596−6916	H 1	2 C A	AB	189	1.002	0.005	2.50	0.02	S
83151	9.888	0.028	8.371	0.015		1.275	0.025	T	1.23	0.03	L		8.3826	0.0028	0.015	65		8.36	8.41		C			1							
83152	7.928	0.007	7.850	0.008		0.077	0.010	T	0.09	0.01	L		7.8738	0.0013	0.013	139		7.85	7.90					1							S
83153	5.966	0.005	4.225	0.003		1.452	0.005	T	1.42	0.02	A		4.2025	0.0012	0.007	58		4.19	4.22					1							S
83154	9.928	0.029	8.191	0.013		1.449	0.025	T	1.45	0.04	L		8.1609	0.0012	0.013	65		8.15	8.19					1							
83155	8.558	0.016	7.979	0.014	−	0.581	0.400	G	0.64	0.02	L *		7.9980	0.0022	0.017	78	−	7.97	8.03		D	16596−4117	I 1	3 C B							S G
83156	8.852	0.010	8.280	0.009		0.535	0.012	T	0.61	0.01	L		8.3232	0.0018	0.019	147		8.30	8.35					1							
83157											T		11.4768	0.0056	0.063	137		11.35	11.56					1							G
83158	8.954	0.009	7.885	0.007		0.926	0.009	T	0.92	0.01	L		7.9377	0.0013	0.016	201		7.91	7.97					1							S
83159	9.534	0.026	9.130	0.028		0.395	0.032	T	0.46	0.04	L		9.1143	0.0038	0.018	58		9.09	9.14					1							
83160	9.183	0.015	8.139	0.011		0.907	0.014	T	0.91	0.01	L		8.1903	0.0014	0.010	102		8.17	8.20		C			1							
83161	8.700	0.012	8.511	0.014	*	0.181	0.017	T	0.20	0.02	L *		8.5383	0.0019	0.012	85	*	8.52	8.56		C	16597−4159	H 1	2 C S A	AB	326	0.147	0.013	0.76	0.54	
83162	11.725	0.100	10.378	0.047		1.142	0.087	T	1.11	0.09	L		10.3570	0.0043	0.031	99		10.30	10.41					1							G
83163	7.292	0.010	6.688	0.007		0.569	0.004	G	0.64	0.00	H		6.7499	0.0008	0.007	59		6.73	6.76		C			1							S
83164	8.031	0.009	7.846	0.011	A	0.000	0.495	G	0.11	0.03	L *		7.8269	0.0009	0.009	128	*	7.81	7.84		D	16598+3655	I 1	2 C A	AB	205	1.479	0.009	2.37	0.04	S
83165	9.053	0.012	7.253	0.006		1.499	0.011	T	1.53	0.02	L		7.2107	0.0008	0.010	104		7.19	7.23					1							S
83166	9.613	0.019	7.688	0.008		1.598	0.016	T	1.62	0.02	L		7.6036	0.0011	0.011	93		7.58	7.62		C			1							S
83167	8.905	0.013	8.502	0.013		0.397	0.015	G	0.46	0.02	H		8.5482	0.0021	0.019	116		8.52	8.58					1							S
83168	7.010	0.004	6.884	0.006		0.122	0.007	T	0.14	0.01	L		6.9138	0.0005	0.007	104		6.90	6.93					1							S
83169	10.640	0.043	10.048	0.042		0.552	0.053	T	0.62	0.05	L		10.0533	0.0023	0.021	96		10.02	10.09		C			1							G
83170	7.685	0.004	7.363	0.005		0.306	0.006	T	0.35	0.01	L		7.4136	0.0011	0.012	179		7.39	7.44					1							S
83171	9.875	0.024	9.433	0.025		0.417	0.032	T	0.48	0.03	L		9.5547	0.0023	0.020	101		9.50	9.60					1							
83172	9.244	0.012	7.405	0.006		1.550	0.015	G	2.55	0.03	C		7.2094	0.0031	0.033	163		7.17	7.26		U 2			1 S							S
83173	6.646	0.004	6.727	0.004	*	−0.069	0.005	T	−0.05	0.01	L *		6.7003	0.0006	0.008	189	*	6.69	6.72		D	16599−7325	I 1	2 C A	AB	175	0.812	0.003	1.30	0.01	S
83174	7.735	0.008	7.219	0.008		0.470	0.000	G	0.54	0.00	H		7.2821	0.0012	0.013	107		7.26	7.31		C	16599−5920	I 1	1							S
83175	11.371	0.065	9.376	0.019		1.690	0.056	T	2.16	0.11	O		9.2359	0.0025	0.026	132		9.19	9.27					1							
83176	7.989	0.014	6.090	0.007		1.607	0.015	G	2.16	0.05	F		5.9457	0.0026	0.016	46		5.93	5.98		U 2			1 S							S
83177						0.645	0.096	G	0.54	0.06	L		8.9925	0.0032	0.017	45		8.96	9.03		C			1 S							
83178	7.691	0.006	7.598	0.007		0.091	0.009	T	0.10	0.01	L		7.6315	0.0010	0.011	120		7.61	7.65		C			1							S
83179	10.759	0.074	9.929	0.056		0.731	0.071	T	0.78	0.05	L		9.9591	0.0029	0.022	62		9.90	10.00		C			1							G
83180	9.316	0.015	8.416	0.011		0.800	0.014	T	0.83	0.01	L		8.4610	0.0014	0.017	123		8.43	8.49					1							S
83181	8.778	0.012	8.055	0.010		0.652	0.015	G	0.72	0.01	H		8.1134	0.0011	0.010	96		8.09	8.13					1							S
83182	10.601	0.115	9.831	0.094		0.701	0.116	T	0.76	0.10	L		9.7521	0.0039	0.021	47		9.71	9.79					1							G
83183	9.155	0.014	7.551	0.007		1.344	0.012	T	1.31	0.01	L		7.5740	0.0010	0.009	116		7.56	7.59					1							S
83184	9.085	0.014	7.282	0.007		1.501	0.012	T	1.53	0.02	L		7.2495	0.0012	0.011	111		7.23	7.27					1							S
83185											T		12.3075	0.0136	0.120	116		12.09	12.52		U			1 S							G
83186	8.607	0.010	7.361	0.006		1.040	0.015	G	1.01	0.01	H		7.4142	0.0011	0.012	134		7.40	7.44		C			1							S
83187	5.874	0.004	5.667	0.003		0.194	0.005	G	0.21	0.01	H		5.7075	0.0008	0.007	89		5.70	5.72		C	17001−5436	I 1	1 S							S
83188	10.673	0.049	9.111	0.022		1.311	0.042	T	1.27	0.05	L		9.1603	0.0023	0.015	72		9.13	9.19					1 S							
83189	8.828	0.013	8.358	0.013		0.488	0.015	G	0.56	0.02	H		8.4097	0.0017	0.016	113		8.39	8.44		C			1							S
83190	9.185	0.012	8.678	0.012		0.476	0.015	T	0.55	0.02	L		8.7476	0.0018	0.017	136		8.71	8.78		C			1							S
83191	10.708	0.041	9.582	0.026		0.969	0.038	T	0.95	0.03	L		9.6883	0.0029	0.023	94		9.65	9.73		C			1 G							
83192	10.463	0.034	8.613	0.013	*	1.160	0.040	G	1.12	0.04	R *		8.5617	0.0019	0.017	102	*	8.53	8.59			17001−1639	H 1	2 C S B	AB	171	0.156	0.040	2.32	0.86	
83193	10.940	0.034	9.518	0.016	*	1.164	0.003	G	1.27	0.01	I *		9.4767	0.0021	0.028	215	*	9.43	9.54		D	17002−6846	H 1	2 C A	AB	334	0.587	0.009	1.61	0.04	
83194	8.913	0.019	8.482	0.019		0.391	0.020	G	0.46	0.02	H		8.5392	0.0022	0.014	53		8.51	8.57		C			1							
83195	10.833	0.064	9.877	0.047		0.942	0.003	G	0.99	0.00	I		9.8435	0.0031	0.022	52		9.81	9.88		C			1							G
83196	6.205	0.004	5.782	0.005		0.407	0.007	G	0.47	0.01	H		5.8314	0.0010	0.005	45		5.82	5.84		C			1							S
83197	8.197	0.008	7.162	0.006		0.900	0.008	T	0.90	0.01	L		7.2106	0.0010	0.009	133		7.20	7.23		C			1							S
83198	10.440	0.032	9.280	0.020		1.036	0.015	G	1.01	0.01	I		9.3683	0.0018	0.016	100		9.34	9.40					1							
83199	9.622	0.019	9.059	0.018		0.527	0.023	T	0.60	0.02	L		9.1323	0.0014	0.015	109		9.11	9.16		C			1							
83200	9.857	0.021	8.477	0.011		1.168	0.019	T	1.13	0.02	L		8.5037	0.0014	0.015	120		8.48	8.53		C			1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)														Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\mu_{\alpha*}$	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1 %	F2	
1 2	h m s	±° ′ ″	mag	5 6 7	deg 8	deg 9	10	mas 11	mas/yr 12	13	mas 14	15	mas 16	mas/yr 17	18	19	20	21	22	23	24	25	26	27	28	29	30				
83201	17 00 13.77	−55 06 21.4	8.26	H	255.057 377 80	−55.105 956 60		1.33	−13.12	−17.64	0.87	0.82	1.14	1.12	0.98	+ 2	−15	−33	+17	+ 3	− 2	+ 6	+29	−26	+ 8	0	−0.43				
83202	17 00 14.26	−44 59 18.5	6.50	H	255.059 413 89	−44.988 468 18		19.76	−16.18	−33.05	0.87	0.51	1.01	0.83	0.57	+11	−53	− 9	+24	+29	+11	+42	+45	−40	+ 5	6	1.76				
83203	17 00 14.52	−18 12 50.9	8.46	H	255.060 520 79	−18.214 148 40		3.94	−4.40	−6.06	1.02	0.67	1.14	1.13	0.77	−10	−40	−22	+14	−10	+ 5	− 2	+39	− 9	−32	0	2.43				
83204	17 00 16.32	+10 49 23.0	7.38	H	255.067 979 27	+10.823 056 81		23.41	94.69	−100.38	0.79	0.56	0.92	0.84	0.65	+28	−36	− 8	+44	+36	+ 2	+41	+39	−20	+32	0	0.49				
83205	17 00 16.94	−56 36 24.7	7.77	H	255.070 589 83	−56.606 857 09		5.64	3.81	14.43	0.72	0.64	0.98	0.88	0.75	+ 1	−25	−24	+13	+ 1	− 3	+ 3	+18	− 7	−28	0	1.56				
83206	17 00 17.38	−64 34 58.4	8.08	H	255.072 428 11	−64.582 887 69		3.29	1.82	8.09	0.60	0.55	0.92	0.71	0.61	− 2	−19	+ 5	+10	−25	+ 4	−25	+18	+15	−17	0	1.16				
83207	17 00 17.41	+30 55 34.8	3.92	H	255.072 525 82	+30.926 339 26		20.04	−47.68	26.89	0.41	0.49	0.65	0.47	0.67	+10	−15	+ 3	− 1	−15	− 6	−11	+ 0	−32	+ 5	0	−0.89				
83208	17 00 18.36	+26 14 39.2	8.06	2 H	255.076 509 59	+26.244 216 71		2.22	6.89	0.22	0.55	0.67	0.94	0.64	0.91	+10	−18	−11	−21	+ 4	+12	+ 8	+10	−15	+ 8	2	0.29				
83209	17 00 18.85	−19 10 06.3	8.44	2 H	255.078 531 10	−19.168 425 68		2.16	−3.10	3.04	0.99	0.75	1.19	1.29	1.02	−11	−30	−36	+ 7	+ 7	−14	− 3	− 1	+22	−55	0	1.79				
83210	17 00 20.67	+46 52 18.4	8.62	H	255.086 135 20	+46.871 766 24		6.36	−10.42	22.13	0.66	0.69	0.76	0.73	0.82	+13	−16	−14	+ 1	+ 9	− 5	+ 8	− 6	+ 8	+20	1	0.18				
83211	17 00 21.48	−22 07 55.1	9.75	H	255.089 486 59	−22.131 985 42		−0.15	3.60	−11.24	1.65	1.23	2.07	2.13	1.51	−18	−12	−43	+ 0	−13	−14	−11	+33	−14	−47	0	0.60				
83212	17 00 22.33	+16 51 49.1	8.86	H	255.093 027 87	+16.863 648 67		3.58	−9.50	−20.39	1.02	0.87	1.49	1.23	1.03	+35	−17	−28	−19	+ 4	−15	+ 0	− 2	−21	+57	1	2.00				
83213	17 00 23.40	+17 54 59.4	7.85	H	255.097 510 53	+17.916 493 94		1.77	3.11	−3.05	0.63	0.68	1.07	0.82	0.90	−20	−13	− 4	+15	+37	+ 7	+39	+13	− 5	+36	0	−0.39				
83214	17 00 25.48	−37 56 13.9	7.72	G	255.106 157 41	−37.937 185 98		10.98	−68.97	−17.83	1.01	0.76	1.26	1.01	0.71	+ 4	−41	−43	+ 5	−25	+23	− 8	+24	−17	−21	0	−1.59				
*83215	17 00 26.99	−00 46 47.8	8.85	H	255.112 475 98	−00.779 952 49		4.84	−6.59	1.91	1.20	0.72	1.22	1.60	0.84	+ 5	−12	− 6	+50	+ 5	+24	+ 8	+52	− 2	+12	0	0.23				
*83216 H	17 00 26.98	−48 38 51.2	5.98	G	255.112 397 09	−48.647 563 42	A	8.39	−16.98	−80.41	0.95	0.72	1.02	1.09	0.71	−27	+14	−20	− 8	+12	−24	+ 9	+21	−10	−28	2	0.12				
*83217	17 00 26.91	−87 12 09.8	9.41	H	255.112 105 19	−87.202 730 44		20.11	−179.88	−156.04	0.74	0.90	1.03	0.84	1.24	− 3	− 9	+12	−20	− 5	−13	− 1	−13	−33	+ 6	0	0.41				
83218 H	17 00 27.60	+75 13 30.9	6.98	H	255.115 012 81	+75.225 259 05	*	11.19	40.05	−43.40	0.80	0.96	0.66	0.61	0.79	−23	−16	− 4	−24	+ 3	+ 9	+ 4	−14	− 7	−18	1	−0.11				
83219	17 00 27.92	+73 11 39.3	7.38	H	255.116 332 57	+73.194 246 58		1.61	−0.36	1.37	0.48	0.55	0.54	0.49	0.67	+16	−13	+ 1	− 5	− 4	− 9	− 2	− 2	−11	+12	1	−1.45				
83220	17 00 28.28	−52 16 26.2	8.87	H	255.117 834 96	−52.273 932 32		4.39	−17.75	−32.30	1.17	0.98	1.31	1.60	1.05	−18	+ 2	−16	+ 8	+42	+11	+36	+12	+ 7	− 6	0	1.69				
83221	17 00 28.57	+15 09 32.6	8.02	H	255.119 050 16	+15.159 064 99		26.79	51.77	129.56	0.76	0.61	0.99	0.88	0.73	+21	−25	−15	+24	+18	+ 1	+17	+16	+ 6	+34	0	−0.09				
83222	17 00 28.96	+45 46 43.1	7.48	H	255.120 683 92	+45.778 638 85		22.97	−148.79	69.09	0.55	0.59	0.65	0.65	0.77	− 3	−13	− 4	−14	+ 1	+ 3	+ 1	− 2	+ 6	−11	0	1.96				
83223	17 00 29.38	+06 35 01.7	6.57	H	255.122 400 34	+06.583 812 51		13.69	34.35	−43.77	0.84	0.58	0.87	0.98	0.68	+25	−21	−30	+46	+29	− 7	+27	+36	− 8	+ 2	0	2.02				
83224	17 00 29.72	−21 27 41.3	7.35	H	255.123 851 93	−21.461 463 98		10.13	−18.13	−81.88	0.92	0.63	1.01	1.09	0.73	−29	−37	−10	+18	−13	−11	−13	+34	+ 3	−43	0	−0.56				
83225	17 00 30.14	+77 36 53.1	8.06	H	255.125 596 37	+77.614 762 71		10.44	−59.95	9.98	0.55	0.58	0.60	0.60	0.76	+ 7	−13	− 5	−15	− 3	+12	− 3	− 7	+ 2	+17	0	1.54				
83226	17 00 30.32	−51 15 16.2	10.05	G	255.126 351 25	−51.254 496 55		14.25	−133.35	−162.36	1.69	1.38	1.98	2.17	1.48	− 6	−22	−15	+10	+32	+ 4	+27	+19	− 2	+ 5	2	0.92				
83227	17 00 31.10	−33 06 10.0	8.63	H	255.129 594 86	−33.102 781 20		6.88	11.31	19.76	1.26	0.86	1.34	1.48	1.01	+16	−30	−18	− 9	−29	− 7	−23	+ 9	−17	+12	0	0.19				
*83228	17 00 31.92	+38 54 30.4	7.35	H	255.133 020 82	+38.908 449 71		4.09	13.23	−42.63	0.48	0.62	0.67	0.50	0.75	+ 1	− 3	−19	− 2	+ 8	−14	+ 5	−15	+ 1	−13	0	0.60				
*83229	17 00 31.82	−57 17 47.0	6.99	H	255.132 598 56	−57.296 378 13		31.77	−165.20	−298.01	0.54	0.52	0.85	0.64	0.61	−23	−16	− 4	− 3	− 5	+ 9	− 2	− 7	−16	−35	0	0.17				
83230	17 00 32.36	−45 27 06.3	6.58	H	255.134 844 27	−45.451 750 80		1.72	−0.07	−1.99	0.77	0.51	0.89	0.84	0.54	− 4	−31	− 4	+18	+26	+14	+28	+36	−21	+ 0	0	−0.57				
83231	17 00 33.53	−48 10 25.6	8.81	H	255.139 697 82	−48.173 765 60		5.39	1.94	−18.01	2.67	2.03	3.25	3.43	2.22	−19	−19	−34	−11	+28	−31	+21	+ 7	+ 4	−42	0					
83232	17 00 34.98	−27 38 04.2	10.88	2 H	255.145 751 96	−27.634 509 81		3.23	1.06	−15.28	4.93	3.36	5.65	6.08	3.87	− 8	−17	− 7	−16	− 1	−19	+ 3	− 5	−22	−14	0					
83233	17 00 35.33	−11 04 33.8	8.93	H	255.147 199 15	−11.076 049 50		6.47	0.40	−5.10	1.27	0.73	1.25	1.55	0.80	+16	− 7	+18	+58	+21	+26	+17	+69	+ 7	+16	0	1.51				
83234	17 00 35.49	−52 38 39.4	8.78	H	255.147 873 27	−52.644 272 44		4.66	−12.93	−31.70	1.14	0.99	1.36	1.66	1.07	−23	+11	−32	+13	+27	+10	+23	+18	− 5	−11	0	1.12				
83235	17 00 36.99	−35 56 02.3	5.95	H	255.154 139 16	−35.933 976 20		11.18	−8.01	−64.36	0.70	0.58	0.84	0.72	0.57	−14	−21	−30	− 2	−18	− 8	−15	+16	−14	−40	3	0.31				
83236	17 00 38.63	+61 01 26.4	7.92	H	255.160 948 32	+61.023 993 72		1.87	2.73	−29.97	0.62	0.63	0.64	0.68	0.74	+ 5	− 5	−18	−28	+ 7	− 7	+ 6	+23	+10	+ 2	0	0.25				
83237	17 00 39.02	+55 32 29.3	9.09	H	255.162 603 08	+55.541 483 96		9.24	40.04	−3.59	0.79	0.73	0.81	0.90	0.80	+ 3	−10	+ 8	−17	+ 5	+ 4	+ 2	+ 4	− 3	+19	0	0.48				
83238	17 00 40.23	+24 24 40.5	8.14	H	255.167 618 08	+24.411 239 29		3.69	−16.90	4.50	0.40	0.70	0.97	0.50	0.93	+18	− 8	− 6	+13	+ 6	+ 2	+ 8	+23	−21	+ 9	0	1.08				
83239	17 00 40.42	−27 47 32.4	8.18	H	255.168 420 90	−27.792 327 32		21.37	105.37	20.23	1.03	0.71	1.16	1.08	0.76	−20	−35	+ 5	+ 6	−27	− 9	−15	+28	−23	−17	0	0.85				
83240	17 00 43.81	−49 34 47.4	10.19	H	255.182 549 03	−49.579 821 61		5.76	2.45	−6.35	1.71	1.48	2.17	2.34	1.72	−17	−13	−35	+12	+ 1	− 3	− 1	+40	−28	− 5	0	0.25				
83241	17 00 45.90	−30 30 58.2	8.78	H	255.191 232 36	−30.516 174 42		12.75	−2.86	−174.50	1.18	0.94	1.28	1.42	1.23	+ 1	−24	−26	+ 8	−21	−13	−26	+11	+ 8	−33	0	0.13				
83242	17 00 46.26	−15 40 47.1	9.28	G	255.192 762 65	−15.679 737 08		8.26	−13.75	−26.47	1.16	0.77	1.39	1.27	0.86	−23	−27	−25	+17	−44	+15	−22	+74	−34	−47	0	1.72				
83243	17 00 46.38	−64 33 01.4	8.02	H	255.193 251 21	−64.550 375 88		13.72	−63.25	17.68	0.60	0.57	0.89	0.71	0.65	− 3	−17	− 4	+12	−31	− 7	−31	+20	+20	−25	3	1.32				
83244	17 00 46.70	−66 39 49.9	11.44	3 H	255.194 578 54	−66.663 847 46		1.34	−9.11	−5.89	2.29	2.09	3.30	2.47	2.40	− 1	−26	− 1	− 8	−16	+ 2	−16	+ 3	+ 2	− 7	0					
*83245	17 00 54.26	+39 32 38.3	8.00	H	255.226 101 66	+39.543 972 28		2.84	3.98	16.23	0.60	0.68	0.77	0.75	0.89	+ 1	− 4	−26	−17	+10	−17	+ 6	−15	+15	− 9	0	−0.45				
*83246 H	17 00 54.11	−28 23 57.0	8.22	H	255.225 461 13	−28.399 175 80	A	11.34	−1.65	−59.76	2.62	1.99	2.30	2.41	1.88	−25	−24	+ 5	+14	−25	−12	−11	+23	− 9	−49	1	1.55				
83247	17 00 54.73	−76 13 06.0	6.93	H	255.228 037 98	−76.218 334 58		17.67	−33.52	−159.03	0.44	0.52	0.67	0.46	0.55	+ 0	−16	+11	− 9	−15	−14	−13	− 3	+ 3	+ 0	0	−1.18				
83248	17 00 54.94	+35 28 17.7	8.66	H	255.228 920 27	+35.471 582 43		9.80	10.66	−15.27	0.55	0.71	0.80	0.62	0.81	+15	−13	− 4	+10	+11	−27	+12	+ 0	−13	+15	1	0.00				
83249	17 00 55.29	−56 14 46.7	8.55	H	255.230 380 79	−56.246 314 62		6.94	−56.49	−49.18	0.94	0.77	1.20	1.11	0.92	+ 8	−28	−15	+17	−11	+ 7	− 6	+15	−18	−20	0	0.23				
83250	17 00 55.71	−56 28 47.8	8.20	2 H	255.232 122 82	−56.479 953 00		0.22	−7.99	−22.26	0.92	0.73	1.21	1.07	0.87	+20	−37	−21	+ 2	− 6	− 4	− 3	+ 7	− 3	−23	0	−0.32				
83251	17 00 55.95	−31 46 38.9	8.92	H	255.233 119 16	−31.777 485 99		13.95	20.74	−68.27	1.38	1.14	1.45	2.09	1.95	−24	−12	−22	+31	−21	− 6	−25	+27	+ 5	−65	0	−0.78				
83252	17 00 56.40	−33 01 16.7	8.82	H	255.235 005 91	−33.021 305 90		2.38	−10.02	−10.96	1.28	0.98	1.47	1.63	1.18	−13	−28	+ 0	+19	−24	−25	−16	+28	−22	− 4	0	−0.13				
83253	17 00 57.15	+08 57 13.0	9.48	2 H	255.238 139 38	+08.953 612 83		5.69	16.40	−0.28	1.13	0.84	1.45	1.29	0.95	+25	−34	− 7	+40	+34	−16	+40	+22	−26	+41	0	1.24				
83254	17 00 58.14	+22 37 55.7	5.69	H	255.242 254 16	+22.632 151 90		1.07	−8.70	−23.29	0.43	0.49	0.74	0.55	0.62	+11	− 7	+ 8	−33	+ 2	−12	+ 1	+11	− 7	+17	0	−0.07				
83255	17 00 58.44	−86 21 51.5	6.05	1 H	255.243 508 17	−86.364 297 09		5.45	8.21	0.00	0.41	0.45	0.52	0.47	0.60	+ 6	+ 2	+ 7	−18	− 2	−17	− 3	+ 3	− 9	+17	0	0.98				
*83256	17 01 00.58	−66 30 40.5	7.78	H	255.252 420 43	−66.511 261 04		2.30	−12.61	8.23	0.68	0.62	0.92	0.79	0.71	−12	−20	+ 2	+15	−32	− 5	−28	+32	+ 3	−32	1	−0.07				
*83257	17 01 00.54	+46 16 26.8	8.02	H	255.252 233 61	+46.274 111 69		2.75	− 7.42	− 1.91	0.67	0.66	0.75	0.80	0.82	+ 4	− 9	+ 2	+ 2	+12	+15	−12	+ 4	+21	0	1	1.97				
83258	17 01 01.43	−29 40 18.1	7.39	2 H	255.255 963 97	−29.671 701 55		5.42	−13.77	−43.14	0.88	0.66	0.93	0.96	0.75	− 4	−32	−24	+23	−23	− 5	−21	+33	− 2	−32	0	−0.57				
83259	17 01 01.75	+48 57 43.5	8.88	G	255.257 309 96	+48.962 078 90		5.82	14.34	24.39	0.66	0.66	0.72	0.75	0.80	+ 3	−12	+ 4	+ 8	+13	+ 1	+12	− 1	− 9	− 6	0	−0.25				
83260	17 01 02.67	+16 35 36.6	7.27	H	255.261 144 05	+16.593 509 76		8.95	29.94	− 8.13	0.71	0.63	1.02	0.97	0.84	+37	−20	−35	−30	−26	+19	−19	−12	−18	+32	1	1.43				
83261	17 01 03.30	−28 33 11.1	7.53	H	255.263 748 63	−28.553 074 66		4.00	− 9.32	−25.11	0.92	0.68	0.98	0.95	0.74	−21	−31	−15	+23	−29	+ 6	−21	+42	−12	−36	0	−0.10				
83262	17 01 03.63	−04 13 20.8	4.82	G	255.265 106 31	−04.222 454 26		8.11	−40.28	−77.92	0.91	0.48	1.07	0.82	0.55	+ 1	−61	−20	+42	−11	− 8	+ 7	+58	−27	−15	0	2.07				
83263	17 01 03.67	−45 01 34.5	8.50	H	255.265 275 77	−45.026 255 43		4.03	− 9.20	−41.10	1.22	0.77	1.40	1.24	0.84	+ 9	−39	−21	+31	+22	+ 8	+33	+52	−35	− 1	0	−0.09				
83264	17 01 05.71	+02 33 08.9	7.95	H	255.273 809 01	+02.552 474 71		8.58	−31.96	−25.66	0.90	0.65	1.09	0.99	0.73	−13	−27	−29	+37	− 2	+ 1	+ 0	+32	− 7	−29	0	0.02				
83265	17 01 06.01	+57 06 49.5	8.35	H	255.275 054 38	+57.113 751 02		10.02	0.39	133.97	0.62	0.59	0.68	0.75	0.63	− 7	+ 0	+ 4	+14	−16	− 1	−15	+ 2	−15	+ 2	0	−0.19				
83266 H	17 01 06.06	−42 04 18.3	7.28	H	255.275 247 65	−42.071 744 63	*	1.09	−2.41	−9.08	0.85	0.58	0.90	0.95	0.65	−35	−25	+ 5	+18	−12	+ 2	− 8	+60	−14	−37	0	3.27				
83267	17 01 06.08	+63 25 01.5	10.57	H	255.275 349 93	+63.417 088 77		21.53	−282.45	253.59	1.06	1.23	1.15	1.23	1.55	− 6	−16	− 1	+ 1	+ 8	+ 3	+ 3	+ 8	+ 2	−18	0	−0.09				
83268 H	17 01 06.85	−58 51 00.2	7.60	H	255.278 531 12	−58.850 064 65	A	−0.24	1.04	−0.13	1.34	1.40	1.87	1.58	1.50	−19	− 9	−16	+ 3	−10	+22	− 2	+14	− 9	−23	2	−0.32				
83269 H	17 01 07.03	−56 33 18.1	6.40	H	255.279 278 95	−56.555 014 65	A	2.76	−2.50	−25.55	1.00	0.90	1.22	1.12	1.01	+ 8	−28	− 9	+ 5	+ 1	− 6	− 2	+ 0	+ 1	− 8	2	0.16				
83270	17 01 07.20	+21 29 50.4	7.24	1 H	255.280 017 00	+21.497 322 11		8.99	19.03	−52.70	0.60	0.61	0.90	0.66	0.80	− 4	−22	+ 4	+17	+20	− 7	+30	+ 6	−22	+33	0	−0.21				
83271	17 01 07.33	+11 20 27.2	7.73	H	255.280 533 62	+11.340 885 21		11.56	−12.56	20.73	0.88	0.60	1.00	0.90	0.66	+20	−37	−18	+50	+26	− 7	+34	+27	−22	+29	0	−1.02				
83272	17 01 07.66	−53 58 49.6	8.32	H	255.281 901 14	−53.980 433 28		1.66	−1.69	− 3.53	0.92	0.78	1.11	1.06	0.93	−23	−30	−12	+ 8	−10	+ 2	− 1	+23	−17	−47	0	−0.81				
83273	17 01 07.82	−76 23 21.2	8.72	H	255.282 591 22	−76.389 224 09		2.66	− 5.09	−14.80	0.64	0.83	1.01	0.66	0.93	+ 3	−18	+18	−21	− 2	− 3	− 1	− 1	+ 6	+10	0	−1.13				
83274	17 01 09.63	+27 11 48.0	6.57	H	255.290 128 36	+27.196 672 46		23.34	− 4.67	−59.61	0.42	0.51	0.70	0.50	0.62	+ 1	− 8	− 6	−21	− 3	−15	− 4	+ 6	−20	+ 9	1	−0.28				
83275	17 01 10.27	+64 41 38.6	8.76	H	255.292 788 06	+64.694 069 28		4.37	− 7.23	10.54	0.64	0.75	0.76	0.79	1.01	− 4	−18	−16	−16	−22	+26	−12	−19	+19	+14	1	0.22				
83276	17 01 10.77	−13 33 58.8	7.12	G	255.294 861 10	−13.566 343 30		38.21	−14.86	−323.37	1.64	1.19	2.12	1.72	1.39	−44	− 3	−37	+32	−45	+19	−34	+77	−48	−52	2					
83277 H	17 01 11.22	+06 27 26.9	8.90	H	255.296 744 72	+06.457 460 43	*	1.97	8.98	− 2.69	3.73	2.12	1.82	2.31	1.31	−24	− 6	−31	+13	+32	−35	+16	+23	−25	+32	0	0.57				
83278	17 01 11.40	−17 20 42.9	7.97	H	255.297 494 04	−17.345 253 25		2.68	− 1.82	− 4.55	0.88	0.52	0.96	1.03	0.57	− 4	−31	− 9	+23	− 9	+ 7	− 2	+61	−14	−11	2	−1.23				
83279	17 01 12.12	+36 08 11.9	8.01	H	255.300 484 44	+36.136 650 61		3.46	−13.28	11.57	0.59	0.67	0.78	0.59	0.85	− 2	− 6	− 6	+ 3	+13	− 7	+15	+ 4	+11	− 4	0	0.46				
83280	17 01 12.60	−29 41 03.6	8.02	H	255.302 496 04	−29.684 344 87		−0.49	0.58	− 4.02	1.03	0.75	1.09	1.08	0.83	+11	−42	−30	+20	−20	+ 2	−16	+32	− 2	−20	0	0.27				
83281	17 01 13.01	−38 12 11.9	7.46	G	255.304 198 03	−38.203 301 98		1.00	−0.32	0.76	0.93	0.69	1.15	1.13	0.70	− 4	−29	−35	+20	−17	+31	− 1	+20	− 9	+ 0	0	0.00				
83282	17 01 13.49	−07 01 41.2	7.31	H	255.306 205 12	−07.028 119 22		4.17	−20.56	3.17	0.94	0.55	0.97	1.20	0.65	+10	−32	−20	+37	− 2	−11	+ 4	+60	−21	+ 5	0	−0.68				
83283	17 01 13.55	−12 13 01.8	9.95	H	255.306 467 89	−12.217 155 48		2.66	− 1.36	− 0.25	2.36	1.12	2.49	2.65	1.33	+ 7	−37	− 7	+60	+ 9	−25	+14	+70	−27	+12	2	2.67				
83284	17 01 13.64	−36 42 34.5	9.29	H	255.306 833 23	−36.709 586 05		0.58	−36.65	−46.66	3.24	2.44	3.87	3.39	2.36	− 5	−29	−33	− 3	− 8	+ 0	− 4	+ 8	−10	−18	0					
83285	17 01 14.21	+52 36 16.1	6.89	H	255.309 189 59	+52.604 481 09		8.07	−21.40	11.02	0.48	0.49	0.52	0.52	0.55	+16	−10	+11	+10	+12	−11	+15	+11	−12	+15	0	0.21				
83286	17 01 14.88	−20 26 11.9	7.36	H	255.312 018 49	−20.436 649 39		3.40	− 5.94	− 8.06	0.88	0.64	0.99	1.35	0.79	−10	− 8	−21	+16	− 2	−26	− 5	+38	+ 9	−32	0	1.03				
83287	17 01 15.09	+53 41 32.7	8.49	H	255.312 854 39	+53.692 407 46		2.29	−33.90	−12.65	0.64	0.63	0.67	0.65	0.69	+20	+11	+ 7	+25	+19	+16	+17	+21	−16	+ 7	0	0.61				
83288	17 01 16.89	−43 38 36.3	9.07	H	255.320 359 79	−43.643 423 70		15.38	−61.48	−91.31	1.67	1.03	1.80	1.81	1.13	− 4	−38	−10	+20	+29	+ 4	+33	+55	−31	− 6	0	0.99				
83289	17 01 16.98	+60 38 55.2	6.16	H	255.320 741 49	+60.648 658 40		9.24	−45.35	39.36	0.51	0.47	0.51	0.61	0.58	+ 0	− 5	−16	−26	+12	−10	+ 7	+ 6	+ 2	+ 9	2	−1.77				
*83290	17 01 18.01	+07 25 43.0	6.78	H	255.325 031 51	+07.428 612 71		7.92	− 4.71	−22.27	0.96	0.58	0.87	1.09	0.68	+19	−15	−23	+62	+18	+ 3	+18	+ 5	+45	−18	1	3	0.76				
*83291	17 01 17.97	+73 18 44.9	7.66	1 H	255.324 873 95	+73.312 471 63		1.01	− 4.50	11.36	0.51	0.55	0.56	0.50	0.64	+ 9	−13	+ 7	−23	− 6	−16	− 3	−20	−13	+ 6	0	0.58				
83292	17 01 20.69	+01 42 25.1	9.87	1 H	255.336 203 97	+01.706 984 84		0.15	−11.79	− 4.94	1.32	0.90	1.46	1.75	1.11	−15	− 6	−17	+45	− 3	+ 6	− 3	+32	− 5	−21	0	0.00				
83293 H	17 01 22.34	−00 47 08.2	8.77	H	255.343 070 89	−00.785 607 66	A	4.50	− 6.55	7.94	1.89	1.31	1.79	1.99	1.32	−22	−23	+ 3	+43	−10	+ 2	−10	+54	− 7	−14	0	−0.66				
83294	17 01 22.49	−59 45 37.1	8.46	H	255.343 727 03	−59.760 312 40		10.99	86.88	−39.93	0.72	0.73	1.13	0.86	0.85	+ 1	−21	− 3	+ 4	+ 6	+16	+ 6	+29	− 4	+ 4	0	0.10				
83295	17 01 24.28	+37 07 03.9	10.32	H	255.351 185 75	+37.117 736 47		3.63	−14.00	2.92	0.95	1.04	1.26

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data										Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
83201	10.268	0.040	8.411	0.016		1.544	0.034	T	1.60	0.07	L	8.3737	0.0025	0.016	70		8.34	8.39					1							
83202	6.950	0.005	6.538	0.005		0.403	0.006	T	0.47	0.01	L	6.5881	0.0009	0.006	99		6.58	6.60		C			1							S
83203	9.101	0.020	8.525	0.019		0.541	0.020	T	0.61	0.02	L	8.5745	0.0016	0.011	60		8.56	8.60		D	17002−1813	I 1	1 S							
83204	8.089	0.007	7.450	0.006		0.594	0.008	T	0.66	0.01	L	7.5030	0.0008	0.009	100		7.48	7.52					1							S
83205	8.141	0.008	7.803	0.008		0.324	0.015	G	0.38	0.02	H	7.8505	0.0015	0.013	95		7.83	7.87					1							S
83206	10.008	0.018	8.240	0.008		1.473	0.016	T	1.49	0.02	L	8.2094	0.0014	0.016	176		8.19	8.23		C			1							
83207	3.898	0.002	3.905	0.002		−0.018	0.004	G	−0.04	0.03	C	3.9111	0.0004	0.005	128		3.90	3.92					1							S
83208	10.152	0.022	8.317	0.009		1.558	0.020	T	2.66	0.03	O	8.0561	0.0037	0.040	156		8.00	8.12		U 2			1 S							
83209	10.982	0.091	8.653	0.022		1.965	0.077	T	2.83	0.11	O	8.4063	0.0038	0.035	59		8.34	8.45		U 2			1							
83210	8.981	0.012	8.658	0.012		0.307	0.016	T	0.35	0.02	L	8.6983	0.0016	0.016	122		8.67	8.73		C			1							S
83211	12.080	0.248	10.034	0.060		1.694	0.203	T	1.72	0.21	L	9.8548	0.0032	0.023	58		9.81	9.89		C			1							G
83212	10.145	0.027	8.934	0.016		1.036	0.024	T	1.01	0.02	L	9.0303	0.0028	0.023	95		8.99	9.09		C			1							
83213	9.949	0.015	8.024	0.006		1.598	0.013	T	1.62	0.01	L	7.9678	0.0013	0.018	178		7.94	8.00					1 S							S
83214	8.560	0.016	7.775	0.013		0.690	0.015	G	0.75	0.01	H	7.8555	0.0016	0.011	54		7.84	7.88		C			1							S
83215	9.649	0.019	8.908	0.016		0.678	0.020	T	0.74	0.02	L	8.9857	0.0017	0.017	92		8.96	9.01		C			1							
83216	7.171	0.015	6.119	0.010	*	0.883	0.004	G	0.89	0.00	H	*	6.1312	0.0011	0.007	67	*	6.12	6.14		D	17004−4839	I 1	2 C A	AB	172	0.940	0.002	1.19	0.01	S
83217	10.470	0.030	9.496	0.022		0.798	0.015	G	0.84	0.01	H		9.5494	0.0020	0.021	129		9.51	9.58		C			1							
83218	7.462	0.006	7.023	0.006	*	0.414	0.007	T	0.48	0.01	L	*	7.0703	0.0008	0.008	103	*	7.06	7.08		D	17005+7514	H 1	2 C B	AB	132	0.287	0.028	3.21	0.25	S
83219	9.064	0.012	7.515	0.007		1.300	0.011	T	1.26	0.01	L		7.5352	0.0009	0.009	122		7.51	7.55					1							S
83220	10.475	0.046	9.020	0.024		1.227	0.041	T	1.19	0.04	L		9.0333	0.0025	0.015	66		9.01	9.05		C			1 S							
83221	8.869	0.012	8.080	0.010		0.700	0.012	T	0.76	0.01	L		8.1584	0.0014	0.015	122		8.14	8.19		C			1							S
83222	8.081	0.008	7.526	0.007		0.520	0.009	T	0.59	0.01	L		7.5932	0.0008	0.013	112		7.57	7.62					1							S
83223	6.854	0.006	6.588	0.006		0.233	0.007	G	0.26	0.01	H		6.6377	0.0010	0.007	66		6.63	6.65		C			1							S
83224	8.741	0.018	7.453	0.012		1.096	0.017	T	1.06	0.02	L		7.5149	0.0019	0.010	57		7.50	7.54					1							S
83225	8.675	0.010	8.126	0.010		0.514	0.013	T	0.59	0.01	L		8.1749	0.0013	0.014	117		8.15	8.20		C			1							S
83226	10.904	0.070	10.162	0.062		0.766	0.003	G	0.81	0.00	H		10.1738	0.0047	0.026	63		10.13	10.23					1							G
83227	9.206	0.020	8.648	0.020		0.527	0.021	T	0.60	0.02	L		8.7427	0.0018	0.016	56		8.71	8.78		C			1							
83228	8.644	0.009	7.453	0.006		1.020	0.008	T	0.99	0.01	L		7.5160	0.0009	0.010	128		7.50	7.53		C			1							S
83229	7.726	0.006	7.075	0.005		0.581	0.015	G	0.73	0.07	F		7.1277	0.0009	0.011	140		7.11	7.15					1							S
83230	8.991	0.017	6.842	0.007		1.810	0.014	G	1.79	0.01	J		6.6802	0.0010	0.010	88		6.66	6.69					1							S
83231	10.315	0.051	9.060	0.030		1.070	0.046	T	1.03	0.04	L		8.9788	0.0033	0.029	74		8.94	9.04			17006−4810	I 1	1 X S							
83232											T		11.0234	0.0213	0.132	45		10.77	11.16		U 2			1 X S							G
83233	9.347	0.015	8.949	0.016		0.377	0.020	T	0.44	0.02	L		9.0141	0.0014	0.013	109		8.99	9.04					1							
83234	10.385	0.050	8.924	0.025		1.231	0.044	T	1.19	0.04	L		8.9481	0.0021	0.015	60		8.92	8.97		C			1							
83235	7.444	0.007	6.072	0.005		1.161	0.007	T	1.12	0.01	L		6.1179	0.0008	0.005	60		6.11	6.13		C			1							S
83236	9.728	0.021	8.077	0.010		1.381	0.018	T	1.35	0.02	L		8.0710	0.0013	0.011	106		8.05	8.09		C			1							S
83237	9.744	0.020	9.162	0.019		0.544	0.024	T	0.62	0.02	L		9.2120	0.0019	0.018	104		9.18	9.25					1							
83238	8.022	0.005	8.114	0.006		−0.079	0.007	T	−0.06	0.01	L		8.1226	0.0016	0.017	221		8.09	8.15					1							S
83239	8.869	0.018	8.250	0.017		0.567	0.018	G	0.64	0.02	H		8.3067	0.0011	0.010	52		8.28	8.33					1							
83240	11.085	0.087	10.240	0.066		0.759	0.082	T	0.80	0.06	L		10.3437	0.0043	0.039	65		10.27	10.40					1 S							G
83241	9.521	0.025	8.847	0.022		0.613	0.025	T	0.68	0.02	L		8.9077	0.0017	0.018	49		8.88	8.94					1							
83242	9.856	0.022	9.377	0.023		0.480	0.020	G	0.55	0.02	H		9.3987	0.0022	0.018	95		9.37	9.43					1							
83243	8.556	0.008	8.084	0.008		0.457	0.009	T	0.53	0.01	L		8.1231	0.0012	0.016	164		8.10	8.15		C	17008−6433	I 1	1 S							S
83244	12.069	0.149	11.391	0.136		0.627	0.168	T	0.69	0.15	L		11.5706	0.0301	0.320	148		11.02	11.87	0.37	P 1 A			1 X							G
83245	9.194	0.014	8.119	0.010		0.931	0.013	T	0.93	0.01	L		8.1652	0.0013	0.013	116		8.15	8.19		C			1							S
83246	8.763	0.028	8.121	0.023	*	0.590	0.027	T	0.66	0.03	L	*	8.3526	0.0052	0.030	51	*	8.32	8.48		D	17009−2824	I 1	2 C A	AB	75	2.635	0.008	0.50	0.03	
83247	7.554	0.006	6.988	0.006		0.532	0.003	G	0.60	0.00	H		7.0442	0.0011	0.011	157		7.03	7.07					1							S
83248	9.182	0.012	8.691	0.011		0.462	0.015	T	0.53	0.02	L		8.7603	0.0015	0.017	137		8.73	8.80					1							
83249	9.045	0.021	8.625	0.021		0.410	0.024	T	0.48	0.03	L		8.6488	0.0026	0.018	75		8.62	8.68					1							
83250	10.445	0.040	8.485	0.015		1.661	0.035	T	2.91	0.05	O		8.1341	0.0123	0.078	76		8.02	8.21		U 2			1 S							
83251	9.571	0.046	8.961	0.042		0.566	0.046	T	0.64	0.04	L		9.0400	0.0039	0.015	37		9.02	9.08					1							
83252	10.734	0.062	8.979	0.024		1.463	0.053	T	1.47	0.08	L		8.9563	0.0025	0.019	56		8.92	8.99		C			1							
83253	10.842	0.041	9.586	0.022		1.071	0.036	T	1.04	0.03	L		9.6507	0.0027	0.031	118		9.60	9.72		U			1							
83254	7.398	0.004	5.809	0.002		1.332	0.004	T	1.30	0.01	L		5.8411	0.0007	0.007	178		5.83	5.85		C			1							S
83255	6.100	0.003	6.051	0.004		0.043	0.004	G	0.06	0.00	H		6.0697	0.0009	0.010	124		6.05	6.08	2.63	P 1 A			1							S
83256	9.592	0.014	7.948	0.007		1.375	0.012	T	1.35	0.01	L		7.9293	0.0018	0.019	145		7.90	7.97					1							
83257	9.942	0.023	8.178	0.010		1.470	0.020	T	1.48	0.03	L		8.1447	0.0025	0.018	102		8.11	8.17		R	17010+4616	I 1	1							S
83258	9.368	0.024	7.645	0.012		1.466	0.022	T	2.76	0.04	O		7.3583	0.0036	0.028	58		7.30	7.39		U 2			1 S							
83259	9.462	0.017	8.941	0.017		0.536	0.015	G	0.61	0.02	H		8.9912	0.0015	0.014	116		8.97	9.01		C			1 G							
83260	7.416	0.006	7.287	0.007		0.110	0.003	G	0.12	0.00	R		7.3110	0.0014	0.009	96		7.29	7.33		C	17010+1636	I 1	1 G							S
83261	8.977	0.020	7.650	0.012		1.126	0.018	T	1.09	0.02	L		7.6985	0.0017	0.011	54		7.68	7.72		C			1							
83262	6.767	0.005	4.987	0.003		1.483	0.004	G	1.49	0.02	A		4.9545	0.0005	0.006	90		4.95	4.97		D	17011−0413	I 1	1							S
83263	9.883	0.031	8.686	0.020		1.025	0.029	T	1.00	0.02	L		8.6691	0.0020	0.017	91		8.64	8.70					1							
83264	8.448	0.012	7.992	0.009		0.430	0.014	T	0.50	0.01	L		8.0483	0.0017	0.011	91		8.03	8.07		C			1							S
83265	9.292	0.015	8.445	0.012		0.760	0.014	T	0.80	0.01	L		8.4981	0.0017	0.014	100		8.47	8.52					1							S
83266	7.411	0.006	7.300	0.008	*	0.108	0.009	T	0.12	0.01	L	*	7.3263	0.0011	0.007	91	*	7.31	7.34		D	17011−4204	I 1	2 C S A	AB	1	0.149	0.006	1.20	0.22	S
83267	11.787	0.126	10.475	0.061		1.552	0.197	G	2.45	0.82	I		10.5934	0.0040	0.033	103		10.49	10.67					1 G							G
83268	7.510	0.008	7.531	0.011	*	−0.017	0.012	T	0.01	0.01	L	*	7.6027	0.0013	0.009	106	*	7.58	7.62		D	17011−5851	I 1	2 C A	AB	130	2.782	0.003	0.18	0.01	S
83269	6.368	0.004	6.426	0.005	A	0.100	0.495	G	−0.03	0.01	L	*	6.3901	0.0012	0.011	80	*	6.37	6.41		D	17011−5633	I 1	2 C B	AB	131	2.275	0.039	3.51	0.10	S
83270	7.626	0.006	7.279	0.007		0.329	0.009	T	0.38	0.01	L		7.3198	0.0015	0.013	115		7.29	7.34		M			1							S
83271	8.128	0.011	7.771	0.010		0.384	0.006	G	0.45	0.01	H		7.8148	0.0012	0.014	89		7.79	7.84		C			1							S
83272	10.215	0.045	8.486	0.019		1.442	0.039	T	1.44	0.06	L		8.4536	0.0019	0.013	75		8.43	8.48		C			1							
83273	9.932	0.019	8.804	0.013		0.971	0.018	T	0.96	0.01	L		8.8850	0.0016	0.020	162		8.85	8.92		C			1							
83274	7.050	0.004	6.612	0.004		0.427	0.005	T	0.49	0.01	L		6.6643	0.0007	0.009	166		6.65	6.68					1							S
83275	9.680	0.019	8.844	0.015		0.752	0.018	T	0.80	0.01	L		8.9095	0.0018	0.015	103		8.89	8.94					1 G							S
83276	7.867	0.006	7.179	0.005		0.608	0.004	G	0.67	0.02	A		7.2505	0.0006	0.007	156		7.24	7.26					1 X							S
83277	9.414	0.021	8.927	0.020	*	0.458	0.026	T	0.53	0.03	L	*	9.0028	0.0031	0.018	69	*	8.98	9.03			17012+0627	H 1	2 C B	AB	23	0.227	0.054	2.57	0.59	
83278	8.286	0.009	8.004	0.010		0.268	0.013	T	0.30	0.02	L		8.0475	0.0013	0.011	104		8.03	8.07					1							S
83279	9.401	0.014	8.132	0.009		1.081	0.013	T	1.04	0.01	L		8.1795	0.0018	0.017	119		8.15	8.21					1							
83280	9.456	0.024	8.172	0.015		1.093	0.022	T	1.05	0.02	L		8.1822	0.0017	0.014	45		8.16	8.20		C	17012−2941	I 1	1							S
83281	7.574	0.009	7.493	0.010		0.134	0.006	G	0.15	0.01	H		7.5075	0.0017	0.011	55		7.49	7.53					1							S
83282	9.548	0.019	7.522	0.008		1.678	0.016	T	1.70	0.02	L		7.4189	0.0012	0.010	92		7.40	7.44					1							S
83283	10.986	0.050	10.034	0.035		0.838	0.045	T	0.86	0.03	L		10.1084	0.0023	0.022	113		10.07	10.14		D	17012−1213	I 1	1 G							G
83284	10.646	0.058	9.454	0.034		1.021	0.052	T	0.99	0.04	L		9.4561	0.0036	0.021	60		9.41	9.48					1 X							G
83285	6.991	0.005	6.898	0.006		0.091	0.007	T	0.10	0.01	L		6.9237	0.0010	0.007	111		6.91	6.94		C			1							S
83286	7.476	0.009	7.364	0.009		0.101	0.012	T	0.11	0.01	L		7.3955	0.0014	0.008	60		7.38	7.41		C	17012−2026	I 1	1							S
83287	9.817	0.022	8.620	0.014		1.025	0.020	T	1.00	0.02	L		8.6603	0.0012	0.015	126		8.64	8.68		C			1							
83288	9.995	0.034	9.130	0.026		0.758	0.033	T	0.80	0.02	L		9.2142	0.0027	0.024	81		9.17	9.25					1							
83289	7.455	0.006	6.257	0.004		1.006	0.005	G	0.98	0.00	H		6.3211	0.0006	0.006	99		6.31	6.33		C			1							S
83290	8.369	0.013	6.898	0.006		1.239	0.011	T	1.20	0.01	L		6.9401	0.0010	0.007	71		6.93	6.96		C			1							S
83291	9.697	0.017	7.818	0.008		1.561	0.015	T	1.58	0.01	L		7.7776	0.0014	0.015	118		7.75	7.80		M			1							S
83292	12.159	0.173	10.059	0.039		1.776	0.146	T	1.87	0.25	K		9.9647	0.0042	0.029	80		9.91	10.01		U			1							
83293	10.433	0.034	8.942	0.017	*	1.255	0.030	T	1.21	0.03	L	*	8.9344	0.0017	0.015	83	*	8.91	8.96		D	17014−0047	I 1	2 C A	AB	18	0.653	0.020	3.02	0.08	
83294	8.965	0.013	8.496	0.013		0.463	0.015	G	0.53	0.02	H		8.5597	0.0020	0.018	105		8.53	8.60					1							
83295	11.009	0.050	10.362	0.042		0.600	0.056	T	0.67	0.05	L		10.4488	0.0030	0.028	133		10.40	10.49		C			1							G
83296	8.808	0.014	8.184	0.013	*	0.577	0.014	T	0.65	0.01	L	*	8.2368	0.0023	0.015	60	*	8.22	8.27		C	17014−2639	H 1	2 C S A	AB	0	0.134	0.006	0.67	0.41	
83297	10.576	0.060	9.091	0.028		1.250	0.052	T	1.21	0.05	L		9.0490	0.0025	0.016	56		9.02	9.07		C			1 S							
83298	9.897	0.024	9.224	0.021		0.669	0.020	G	0.73	0.02	H		9.2726	0.0022	0.019	100		9.24	9.31		C			1							
83299	7.738	0.007	7.660	0.009		0.077	0.011	T	0.09	0.01	L		7.6794	0.0015	0.011	91		7.66	7.70		C			1							S
83300	11.186	0.052	10.594	0.049		0.552	0.063	T	0.62	0.06	L		10.6441	0.0043	0.049	156		10.54	10.73					1							G

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19 20 21 22 23 24 25 26 27 28	29	30
83301	17 01 27.43	−25 17 15.0	8.33	G	255.364 272 28	−25.287 512 25	9.32	−7.88	−13.52	1.18	0.88	1.22	1.64	1.24	−37 −15 −11 −31 +19 −10 +20 −32 − 9 −58	0	1.36
83302	17 01 27.61	−26 49 11.0	8.94	G	255.365 043 25	−26.819 709 06	5.56	−20.96	2.30	1.49	1.07	1.79	2.45	1.19	−17 −20 −36 −18 +46 −44 +30 −25 + 6 −34	0	−0.34
83303	17 01 27.81	−65 20 50.4	8.16	H	255.365 858 32	−65.347 344 13	7.52	0.46	−35.73	0.65	0.60	0.95	0.82	0.68	+ 6 − 7 − 1 + 4 −34 − 5 −30 +10 + 0 −17	0	−0.94
83304	17 01 29.25	+22 28 38.9	9.77	3 H	255.371 870 65	+22.477 471 55	0.02	6.42	−21.83	0.80	1.02	1.60	1.20	1.37	+41 − 4 + 6 −47 −12 − 7 + 0 −10 −14 +14	1	1.39
83305	17 01 31.16	+58 33 23.0	7.28	H	255.379 853 05	+58.556 400 30	15.82	−63.92	−35.13	0.50	0.49	0.54	0.53	0.51	− 4 + 7 − 2 +14 − 3 − 4 − 3 + 4 − 3 − 4	0	0.96
83306	17 01 31.20	−70 06 49.2	11.80	G	255.379 997 34	−70.113 666 76	1.50	−12.83	−11.04	0.97	1.56	2.33	0.97	1.85	+17 − 3 − 1 −15 − 6 − 7 − 8 + 9 + 0 +20	2	−1.57
83307	17 01 31.75	−63 15 53.7	8.87	H	255.382 277 02	−63.264 925 16	4.02	0.47	−34.64	0.71	0.63	1.12	0.79	0.69	+23 −13 − 1 −18 −41 +10 −38 + 3 + 5 + 5	0	0.35
83308	17 01 33.05	+14 56 59.0	6.27	1 H	255.387 699 41	+14.949 719 47	5.92	5.82	−1.13	0.54	0.47	0.73	0.61	0.57	+ 4 −25 − 4 +30 +15 + 1 +22 + 1 − 3 +26	0	0.20
83309	17 01 33.64	+42 43 37.6	7.23	H	255.390 166 23	+42.727 109 05	5.71	7.49	16.34	0.54	0.61	0.66	0.63	0.76	+ 5 −18 + 2 − 1 + 1 + 6 − 0 −15 − 2 − 1	0	1.60
83310	17 01 33.66	+12 34 35.7	8.86	G	255.390 250 15	+12.576 583 74	3.44	−13.27	−15.17	0.84	0.73	1.11	0.83	0.72	+ 5 −19 − 8 +25 +30 + 2 +31 −15 − 4 + 8	0	1.35
83311	17 01 34.88	−06 44 11.1	7.41	H	255.395 339 14	−06.736 406 99	3.91	−0.69	−6.89	0.96	0.55	1.06	1.10	0.63	+ 9 −43 −31 +40 − 6 −17 + 6 +61 −34 − 1	0	−0.11
83312	17 01 35.60	−57 35 16.0	10.27	G	255.398 346 92	−57.587 764 77	13.29	26.11	−253.24	1.00	0.99	1.88	1.30	1.18	−17 −17 + 6 −11 + 0 +18 + 0 − 6 − 9 −15	0	0.07
83313	17 01 36.36	+33 34 05.8	5.27	H	255.401 497 28	+33.568 269 22	11.05	2.46	0.25	0.45	0.48	0.62	0.57	0.66	+ 8 − 5 − 9 +14 + 6 − 9 + 6 + 1 −21 +11	0	0.00
83314	17 01 36.76	+35 32 35.8	7.93	2 H	255.403 157 97	+35.543 287 84	2.95	−4.88	0.40	0.54	0.65	0.77	0.58	0.81	+ 6 −10 + 6 +15 + 6 −22 + 9 + 7 − 3 + 9	0	−1.51
83315	17 01 37.15	+25 37 57.2	8.62	H	255.404 790 08	+25.632 547 12	0.53	−0.61	14.01	0.55	0.84	1.12	0.64	1.10	+ 8 − 5 −13 + 0 − 1 + 5 + 3 +20 −28 − 3	0	−2.22
83316	17 01 38.04	+15 04 34.4	8.69	H	255.408 518 29	+15.076 230 20	4.86	15.58	−4.98	0.86	0.75	1.22	0.99	0.95	+11 −24 −18 +26 + 9 − 2 +13 + 4 − 9 +17	0	−0.61
83317	17 01 40.08	+75 17 51.6	6.17	1 H	255.417 002 68	+75.297 666 54	22.26	14.16	−69.58	0.45	0.47	0.49	0.45	0.60	− 5 −20 − 7 −17 + 6 − 5 +10 + 4 −13 − 9	0	0.37
83318	17 01 42.06	+21 23 27.5	9.30	H	255.425 260 89	+21.390 971 71	3.07	−10.80	15.80	0.88	1.09	1.50	1.00	1.34	+12 −21 − 6 +19 +30 + 7 +32 +28 −16 +37	0	−0.01
83319	17 01 43.81	+54 35 45.4	7.97	H	255.432 558 55	+54.595 938 75	4.26	−2.58	2.33	0.57	0.54	0.60	0.62	0.63	+ 7 − 2 + 7 + 6 + 6 +15 + 6 + 6 − 9 + 1	0	−0.15
83320	17 01 44.16	+16 09 05.5	11.46	G	255.433 983 83	+16.151 525 39	2.14	−287.42	−244.50	1.90	1.89	2.87	2.29	2.18	+ 2 −10 −18 + 7 +26 −12 +33 −13 −13 +46	2	−2.21
83321 H	17 01 46.36	−51 07 51.3	6.43	G	255.443 174 36	−51.130 917 16 *	10.08	−10.88	−44.83	1.23	1.33	0.90	1.03	0.73	− 5 −19 − 6 +20 + 7 + 4 + 5 +44 + 0 + 6	2	1.40
83322	17 01 46.85	+06 36 35.8	8.73	2 H	255.445 197 67	+06.609 935 30	0.67	−0.20	−7.27	1.15	0.75	1.19	1.54	0.97	+15 −28 −20 +24 +27 −11 +29 +26 −25 +10	0	1.41
83323	17 01 47.39	−58 57 29.6	6.26	2 H	255.447 460 25	−58.958 226 34	1.43	−2.65	−7.58	0.54	0.54	0.80	0.68	0.63	−28 −14 − 7 +12 − 6 +22 − 5 +24 − 6 −22	0	−0.62
83324	17 01 47.51	−75 59 26.8	8.75	H	255.447 969 55	−75.990 787 65	3.10	−20.62	−32.53	0.63	0.89	1.09	0.75	1.03	− 7 −15 + 9 − 8 −18 −30 −11 + 4 −15 −11	1	1.62
83325	17 01 49.04	−30 46 44.3	7.68	H	255.454 324 47	−30.778 978 29	3.08	1.61	−12.09	0.94	0.74	1.04	1.14	0.96	− 2 −21 −17 +10 −22 −30 −31 + 9 +12 −40	0	0.09
83326	17 01 49.57	+32 17 48.7	9.08	H	255.456 552 13	+32.296 855 67	7.52	5.29	−71.15	0.73	0.80	1.07	0.87	0.99	+15 −10 − 0 +24 +11 − 9 + 7 + 4 −11 +11	0	−0.94
83327	17 01 50.02	−69 24 35.8	7.89	H	255.458 414 92	−69.409 955 96	2.32	6.13	−4.75	0.48	0.61	0.88	0.57	0.68	+ 5 − 5 − 5 −22 + 6 − 2 + 7 + 2 +11 − 4	1	−2.01
83328	17 01 50.09	−74 56 28.5	9.05	H	255.458 701 28	−74.941 258 96	3.84	−4.43	−15.81	0.61	0.78	0.98	0.67	0.90	+ 3 −15 + 6 +12 −14 −10 −15 −10 − 8 − 8	1	1.61
83329	17 01 50.33	+28 40 57.2	9.97	H	255.459 728 95	+28.682 565 46	3.16	3.08	−3.75	0.89	1.11	1.43	1.15	1.49	− 1 − 5 − 5 + 7 + 5 + 3 + 5 +16 + 1 − 3	5	0.66
83330	17 01 50.93	−44 31 08.0	8.71	H	255.462 201 25	−44.518 883 98	5.35	−32.85	−36.74	1.44	0.80	1.72	1.44	0.90	+10 −53 −26 +14 +23 +15 +42 +48 −43 −11	0	−0.98
*83331	17 01 51.27	−18 53 07.8	6.28	G	255.463 637 88	−18.885 496 46	7.24	−30.48	−17.16	0.71	0.44	0.76	0.79	0.48	−11 −31 − 9 +19 −19 − 4 −14 +53 − 9 −18	0	0.73
*83332	17 01 51.14	+82 18 26.3	9.43	H	255.463 077 46	+82.307 309 31	8.75	7.19	9.15	0.80	0.80	0.93	0.82	1.03	+10 −25 − 5 − 9 + 3 + 4 +11 +10 −34 +14	0	1.33
83333	17 01 51.33	+39 43 01.9	8.06	H	255.463 879 29	+39.717 185 33	3.89	−1.45	7.87	0.64	0.72	0.82	0.73	0.86	+ 3 −14 −29 −14 +11 −13 + 5 −21 +17 − 3	0	0.72
83334	17 01 52.00	−33 54 09.9	8.20	H	255.466 660 76	−33.902 763 83	8.26	−21.11	−46.25	1.03	0.67	1.17	0.97	0.71	+11 −52 −34 + 0 −22 + 6 − 9 +23 −13 −29	0	1.22
83335	17 01 52.26	−13 22 20.1	9.38	H	255.467 729 46	−13.372 244 07	8.77	19.17	−17.13	1.18	0.74	1.45	1.25	0.88	−23 −29 −23 +30 −28 + 8 −12 +69 −34 −38	0	0.68
83336	17 01 52.65	−32 08 36.2	5.03	G	255.469 371 92	−32.143 401 48	6.64	−9.64	−48.35	0.89	0.72	0.94	1.01	0.85	−37 + 2 −19 +21 −54 −10 −50 +50 −30 −52	0	1.52
83337	17 01 53.51	+32 30 59.5	8.50	G	255.472 960 94	+32.516 541 22	11.12	15.04	43.48	0.67	0.69	0.91	0.80	0.91	+13 −20 + 2 +18 + 6 −14 + 7 +12 − 2 +28	0	−0.29
83338	17 01 54.08	−59 02 51.3	7.61	H	255.475 314 35	−59.047 569 75	1.01	−2.90	−7.74	0.63	0.64	0.92	0.83	0.76	−27 − 9 − 4 + 4 + 3 +14 + 2 +17 − 2 −21	0	−0.34
83339	17 01 54.25	−62 08 25.6	7.61	H	255.476 023 29	−62.140 444 06	10.91	−25.98	−67.83	0.56	0.51	0.95	0.69	0.57	+ 1 + 0 + 5 + 0 −42 +15 −39 +24 −10 −14	0	0.20
83340	17 01 55.34	−37 18 05.2	7.73	H	255.480 594 17	−37.301 456 99	1.95	−2.06	−7.37	0.88	0.65	1.06	0.89	0.64	+ 0 −40 −35 + 6 − 7 + 8 − 3 + 9 − 1 −21	0	−1.81
83341	17 01 55.36	+07 39 31.0	7.99	H	255.480 665 94	+07.658 618 10	15.77	−21.07	−25.39	0.94	0.60	1.02	0.95	0.66	+37 −29 −18 +54 +42 + 0 +47 +35 −23 +31	2	1.03
83342 H	17 01 58.96	+08 27 02.4	6.33	G	255.495 665 63	+08.450 662 23 A	8.60	26.80	2.64	1.30	0.87	1.18	1.23	0.77	+50 −22 − 9 +51 +50 − 4 +53 +36 −13 +54	3	0.57
83343	17 01 59.91	+22 56 08.7	8.77	H	255.499 616 91	+22.935 756 08	34.38	−129.10	84.02	0.79	0.85	1.33	0.93	1.07	+10 −18 − 5 −41 −10 − 5 − 6 +15 −13 + 7	0	1.56
83344	17 02 01.03	−81 26 04.8	8.88	H	255.504 312 43	−81.434 669 24	6.36	−31.88	−33.36	0.73	0.74	0.94	0.68	0.82	−14 −38 +12 +12 −18 −12 −21 − 2 + 7 −23	0	0.73
83345	17 02 01.40	+19 03 29.3	8.44	H	255.505 814 73	+19.058 128 16	3.96	−5.30	−1.99	0.71	0.78	1.20	0.88	0.94	−26 −14 −19 −21 +29 −20 +13 +21 −30 +20	0	0.30
83346	17 02 01.81	+36 58 31.2	8.67	H	255.507 529 04	+36.975 327 96	2.85	−0.89	2.70	0.70	0.79	0.93	0.80	1.25	− 3 − 5 −12 −13 + 7 + 3 +14 + 2 + 0 −29	0	0.07
83347	17 02 02.18	+25 02 16.2	7.78	H	255.509 087 99	+25.037 831 06	1.93	−22.27	31.83	0.41	0.66	0.95	0.49	0.89	+13 − 7 − 6 −18 + 2 − 5 + 5 +13 −26 +11	1	0.69
83348	17 02 02.19	−20 35 43.4	7.61	G	255.509 143 08	−20.595 380 18	4.19	−8.30	−8.37	0.85	0.60	0.91	1.16	0.70	−12 −13 − 9 +17 − 9 − 2 − 7 +50 + 4 −24	0	−1.56
*83349	17 02 03.02	−72 04 47.3	8.86	H	255.512 576 62	−72.079 793 48	1.96	3.93	−2.75	0.63	0.82	1.18	0.67	0.89	+12 − 4 + 2 − 4 − 8 −13 − 7 +18 − 7 + 5	0	−1.11
*83350 H	17 02 02.80	−50 10 50.9	8.77	H	255.511 656 91	−50.180 807 73 A	1.17	−13.50	−16.02	3.02	2.34	3.03	3.32	2.22	− 9 −12 −17 +27 − 2 − 1 − 3 +50 −12 − 4	2	−0.18
83351	17 02 04.06	−02 18 11.1	9.44	G	255.516 931 94	−02.303 082 62	7.11	−43.64	−31.27	1.16	0.80	1.44	1.19	0.92	−20 −41 + 0 +23 −17 −13 − 8 +50 −20 −16	2	0.76
83352	17 02 06.78	−54 09 06.2	7.89	H	255.528 266 65	−54.151 728 99	8.69	26.57	13.62	0.83	0.65	0.97	0.94	0.75	−16 −30 −14 + 8 − 1 +11 + 5 +11 −17 −35	0	0.29
83353 H	17 02 07.90	+07 12 48.9	8.25	G	255.532 900 81	+07.213 589 72 A	6.73	5.14	−11.42	2.12	1.20	1.83	2.18	1.27	+27 −23 −17 +63 +37 −14 +41 +28 −26 +25	1	−0.59
83354	17 02 08.27	+51 56 32.8	7.85	H	255.534 457 32	+51.942 455 74	6.15	−8.94	−55.84	0.56	0.58	0.60	0.63	0.66	+10 + 0 + 1 +14 +17 + 6 +17 +17 − 3 +11	0	0.60
83355	17 02 08.31	−30 39 06.7	8.40	H	255.534 604 44	−30.651 860 66	3.34	−5.24	1.07	1.19	0.85	1.31	1.41	1.06	+17 −28 − 8 − 6 −20 −38 −27 − 9 +13 −14	0	−1.13
83356	17 02 08.72	−23 17 16.9	8.33	H	255.536 326 86	−23.288 032 40	4.74	−6.54	−36.52	1.07	0.76	1.15	1.26	0.91	+ 8 −21 −21 −11 −23 −10 −20 + 6 −12 −11	0	2.00
83357	17 02 10.14	+66 31 41.0	8.70	H	255.542 252 69	+66.528 056 36	1.33	−18.07	−0.74	0.79	0.82	0.83	1.00	1.09	+27 −21 −20 +11 + 1 +13 + 2 +10 + 5 +37	0	−1.56
83358	17 02 13.55	−42 37 41.2	8.49	H	255.556 455 28	−42.628 124 81	−0.25	2.37	−4.62	1.33	0.81	1.52	1.29	0.96	−18 −56 −14 +16 − 9 − 5 +12 +65 −32 −33	0	0.65
83359	17 02 15.78	+64 36 02.4	6.11	G	255.565 732 64	+64.600 655 16	9.05	−20.32	34.34	0.44	0.49	0.50	0.38	0.60	+ 0 −21 −13 −38 −16 +11 −16 −10 + 8 −28	1	0.03
83360	17 02 15.97	+49 35 38.4	7.17	H	255.566 546 62	+49.593 993 88	4.61	5.85	−13.21	0.51	0.54	0.58	0.57	0.60	+ 5 + 0 − 2 +19 +15 −21 +15 +15 − 2 + 8	0	3.16
83361	17 02 16.28	+50 18 29.8	7.64	H	255.567 824 32	+50.308 275 27	5.32	−21.79	9.41	0.59	0.60	0.65	0.63	0.66	+ 7 −15 + 1 +11 + 6 + 2 + 8 +18 −11 + 6	3	0.39
83362	17 02 16.34	−51 41 51.8	8.49	H	255.568 076 94	−51.697 718 21	4.03	−5.99	−2.32	1.18	0.91	1.32	1.47	0.96	−12 −16 − 5 +21 +29 +13 +25 +30 − 5 + 3	0	1.01
83363	17 02 16.37	−61 34 05.2	8.74	H	255.568 228 58	−61.568 114 62	39.32	−46.08	−188.20	0.80	0.63	1.33	1.13	0.80	+18 − 5 −12 −38 −44 +33 −28 +14 −30 −14	0	1.22
*83364	17 02 17.11	+18 36 40.9	9.01	H	255.571 303 74	+18.611 351 77	2.39	−15.20	−20.41	0.83	0.91	1.35	1.26	1.24	− 6 − 3 + 0 + 8 +50 + 5 +36 +33 + 0 +50	0	−1.31
*83365	17 02 17.09	+31 53 02.6	6.41	H	255.571 211 84	+31.884 065 01	9.74	27.83	22.62	0.42	0.51	0.66	0.45	0.66	+ 4 −15 + 5 +19 + 5 −19 + 6 + 0 −27 + 6	0	0.43
83366	17 02 18.45	−84 18 13.3	7.97	2 H	255.576 864 03	−84.303 688 12	0.68	−4.65	−5.61	0.56	0.65	0.76	0.63	0.75	+ 2 − 8 + 9 + 9 − 5 −12 − 3 −13 −20 + 2	0	2.38
83367	17 02 18.66	+25 30 19.4	5.76	G	255.577 752 23	+25.505 378 39	8.84	55.19	99.25	0.34	0.47	0.65	0.41	0.62	+ 9 −12 −10 −22 + 1 + 6 + 6 +24 −28 + 2	0	−0.19
83368	17 02 20.17	−44 54 52.8	8.23	H	255.584 022 81	−44.914 665 00	1.43	1.94	−8.46	1.10	0.67	1.27	1.15	0.75	− 2 −39 −13 +23 +19 +10 +29 +48 −35 −11	0	0.26
83369	17 02 20.34	−48 55 14.9	8.91	H	255.584 732 02	−48.920 793 38 C	−0.88	2.10	−5.50	73.26	51.74	2.21	2.92	1.78	− 8 − 2 + 3 +12 + 1 −31 − 4 + 5 + 5 −43	1	2.97
83370	17 02 21.19	+40 04 23.2	7.99	1 H	255.588 272 24	+40.073 105 38	5.37	19.39	−39.64	0.57	0.67	0.76	0.70	0.75	+ 0 − 5 −32 −17 +12 −18 + 5 −21 +19 +10	0	0.10
83371 H	17 02 21.72	−48 55 06.8	8.59	G	255.590 516 62	−48.918 566 83 A	−0.88	2.10	−5.50	3.27	1.91	2.21	2.92	1.78	+12 − 4 −27 −27 +20 −31 +21 + 3 + 5 −43	1	2.97
83372	17 02 22.62	−10 57 07.8	7.46	H	255.594 249 75	−10.952 174 17	5.30	−23.19	14.13	1.62	0.59	1.56	3.80	1.04	+ 6 −53 + 9 +77 +21 −31 +55 + 1 −56 +42	0	−1.24
83373	17 02 22.90	−11 53 36.7	8.98	G	255.595 407 39	−11.893 516 08	28.24	−127.48	28.21	1.41	0.76	1.59	1.76	0.91	+ 6 −29 −11 +51 +12 −19 +17 +63 −33 +14	2	1.20
83374	17 02 23.61	−33 30 58.1	8.45	H	255.598 375 65	−33.516 139 41	5.06	−5.15	−19.70	1.11	0.79	1.21	1.19	0.91	− 7 −39 −19 +10 −29 − 7 −21 +34 − 5 −39	0	−1.10
83375	17 02 25.53	+24 05 14.1	10.83	H	255.606 385 54	+24.087 246 52	1.79	−2.24	−1.63	0.98	1.61	2.05	1.18	2.09	+11 − 9 −15 +17 + 4 − 2 + 5 +25 − 7 − 3	2	2.76
83376	17 02 26.12	−11 54 03.5	10.28	G	255.608 824 03	−11.900 971 65	9.30	31.36	−28.39	1.95	1.00	2.22	2.36	1.19	+ 4 −39 − 1 +53 +12 −23 +20 +62 −30 +18	0	0.44
83377	17 02 27.00	−72 36 32.6	7.03	H	255.612 515 19	−72.609 052 96	4.25	−15.17	−28.91	0.42	0.55	0.72	0.46	0.63	+ 8 −11 − 8 − 3 −10 −14 −11 + 6 + 0 − 4	1	−0.67
83378	17 02 27.64	−28 58 37.3	8.79	H	255.615 171 34	−28.977 039 23	6.76	0.72	6.68	1.08	0.77	1.20	1.32	0.84	− 4 −31 −23 +21 −25 +23 −13 +24 −11 + 0	0	0.66
83379	17 02 28.00	−41 19 07.6	9.01	H	255.616 659 50	−41.318 767 03	4.17	−23.95	−24.69	1.18	0.81	1.26	1.44	0.95	−33 −16 − 3 +21 −20 +10 −11 +65 −23 −43	0	−0.31
83380	17 02 28.28	−56 40 46.0	7.46	H	255.617 830 34	−56.679 457 98	11.74	−71.91	−106.94	0.65	0.58	0.89	0.87	0.75	−13 −15 −17 + 9 −12 + 3 −11 + 7 −12 −46	0	1.18
83381	17 02 29.73	−46 35 05.8	8.61	H	255.623 863 34	−46.584 940 81	7.85	−21.05	1.16	1.07	0.72	1.17	1.26	0.77	+ 1 −21 + 2 +34 +30 +19 +28 +46 −12 + 9	0	−1.79
83382	17 02 29.94	+41 11 42.8	8.05	G	255.624 743 24	+41.195 227 11	9.64	−46.63	−24.56	0.60	0.65	0.76	0.58	0.78	+ 9 + 0 − 6 −15 + 3 −18 + 5 − 1 +24 − 7	0	0.41
83383	17 02 30.93	+29 17 49.3	7.73	H	255.628 868 84	+29.297 029 25	8.21	−4.65	9.41	0.50	0.62	0.77	0.58	0.81	+ 0 − 5 − 5 − 1 −11 − 2 − 9 +26 −14 − 8	0	−1.98
83384	17 02 31.54	+19 23 10.3	7.24	H	255.631 403 82	+19.386 195 76	7.92	−13.07	−25.02	0.53	0.57	0.86	0.67	0.72	−19 −10 −16 −14 +28 −18 +15 +20 −27 +26	1	−0.20
83385	17 02 32.36	+35 46 47.8	8.17	H	255.634 845 11	+35.779 955 24	3.95	18.83	−70.27	0.59	0.66	0.80	0.63	0.83	+ 2 −14 − 1 +13 + 8 −16 +10 − 1 − 8 + 2	0	0.36
83386	17 02 32.76	+44 45 26.0	9.87	H	255.636 489 14	+44.757 213 23	4.96	35.85	−34.51	0.83	0.97	1.01	1.11	1.22	+19 −15 − 2 +10 + 3 − 4 + 4 − 5 + 1 +32	1	0.19
83387 H	17 02 33.08	−55 04 15.9	9.02	2 H	255.637 838 83	−55.071 084 99 *	1.57	−3.30	−10.48	9.33	7.57	2.62	2.81	2.40	+12 −21 + 4 +28 +16 − 5 +11 +28 −13 +15	4	0.19
83388	17 02 33.16	+09 49 13.0	7.02	1 H	255.638 176 16	+09.820 280 80	10.15	36.12	−36.86	0.64	0.49	0.80	0.66	0.57	+12 −29 + 0 +42 +17 +12 +21 +22 −18 + 8	0	0.91
83389	17 02 36.30	+47 04 47.3	6.76	G	255.651 241 40	+47.079 804 07	55.37	123.54	854.67	0.50	0.49	0.55	0.53	0.55	+ 9 −12 − 6 + 4 +12 −13 +13 + 4 − 4 +14	0	−0.86
83390	17 02 36.73	−55 03 53.9	10.95	2 H	255.653 023 06	−55.064 975 02	10.99	22.46	53.59	2.68	2.23	3.38	3.15	2.76	+13 −27 − 9 +29 + 8 − 2 +16 +27 −23 +12	0	0.10
83391	17 02 36.96	+04 14 34.9	10.84	H	255.653 979 57	+04.243 016 26	1.14	2.09	8.68	2.71	1.56	2.63	3.45	1.88	+12 +21 − 9 +76 +15 +32 +11 +47 −16 + 1	0	0.21
83392	17 02 37.92	+10 32 25.1	8.17	H	255.658 011 61	+10.540 293 34	4.14	−18.10	15.35	0.88	0.69	1.05	0.93	0.82	+17 −26 − 5 +54 +27 +10 +30 +27 −17 + 7	0	−0.04
83393	17 02 38.06	−05 41 03.1	9.61	H	255.658 590 50	−05.684 196 85	−0.25	−1.65	−31.69	1.43	0.90	1.57	1.81	1.02	+ 6 −16 +25 +40 +15 + 4 +21 + 9 +52 + 4 +23	4	−1.57
83394	17 02 38.47	+20 43 32.2	7.11	2 H	255.660 309 41	+20.725 624 27	−0.14	1.91	0.18	0.60	0.58	0.90	0.68	0.80	− 3 −20 − 6 +16 +23 + 3 +26 +30 −25 +26	0	0.10
83395	17 02 39.57	+50 56 34.1	7.51	H	255.664 888 62	+50.942 803 06	6.44	−22.34	5.66	0.55	0.66	0.64	0.63	0.78	+13 + 1 −17 + 1 −16 +10 −10 +30 −17 − 5	1	1.14
83396	17 02 41.49	−22 38 18.2	10.39	2 G	255.672 870 58	−22.638 381 83	8.30	−16.88	−22.59	2.12	1.32	2.34	2.46	1.51	+ 2 −15 + 1 −32 −22 −36 −14 − 9 −10 −19	0	0.25
83397	17 02 41.55	+26 35 48.0	8.94	H	255.673 144 84	+26.596 665 03	5.95	−16.30	18.31	0.66	0.90	1.18	0.76	1.10	+ 6 − 5 + 1 −12 +11 + 9 +11 +17 + 0 +10	0	−0.55
83398	17 02 42.07	+44 38 12.4	8.51	H	255.675 308 75	+44.636 768 06	15.03	−111.05	53.40	0.68	0.71	0.80	0.80	0.83	+14 −17 + 4 −10 − 9 −13 − 7 −17 − 8 +22	0	0.62
83399	17 02 42.75	+12 56 32.6	8.30	H	255.678 108 04	+12.942 400 28	10.32	−31.60	−49.41	0.86	0.65	1.05	0.81	0.68	+24 −38 −10 +37 +29 − 4 +27 + 9 + 0 +23	0	2.13
83400	17 02 43.11	−12 33 06.7	9.10	H	255.679 607 66	−12.551 857 70	10.28	2.26	6.18	1.19	0.71	1.29	1.42	0.82	−15 −27 −12 +43 − 7 − 1 − 4 +66 −21 −12	0	1.12

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data										Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
83301	8.913	0.018	8.413	0.018		0.511	0.015	G	0.58	0.02	H	8.4266	0.0016	0.011	47		8.40	8.45		C			1							
83302	9.426	0.024	8.961	0.024		0.476	0.015	G	0.55	0.02	H	9.0391	0.0025	0.019	54		9.01	9.07		C			1							
83303	8.640	0.008	8.196	0.008		0.433	0.009	T	0.50	0.01	L	8.2533	0.0013	0.014	170		8.22	8.28		C			1							S
83304	10.589	0.036	8.985	0.016		1.500	0.510	G	2.33	0.64	Q	9.8157	0.1510	1.205	145		8.39	11.73	116.89	P 1 B			1							G P
83305	7.877	0.007	7.347	0.008		0.523	0.001	G	0.60	0.00	H	7.3955	0.0010	0.009	103		7.38	7.41		C			1							S
83306						1.220	0.020	G	1.18	0.02	H	11.7079	0.0038	0.047	277		11.63	11.78					1							G
83307	10.465	0.025	8.974	0.012		1.255	0.022	T	1.21	0.02	L	9.0263	0.0014	0.016	193		9.00	9.05		C			1							
83308	6.327	0.003	6.283	0.004		0.031	0.005	G	0.05	0.00	H	6.2877	0.0012	0.010	116		6.27	6.31	3.00	P 1 A	17016+1457	I 1	1 S							S P
83309	8.335	0.012	7.333	0.007		0.876	0.010	T	0.89	0.01	L	7.3837	0.0012	0.012	110		7.37	7.41		C	17016+4244	I 1	1 G							S
83310	10.115	0.030	9.014	0.019		0.980	0.020	G	0.96	0.02	H	9.0410	0.0017	0.018	106		9.00	9.07					1							
83311	7.511	0.008	7.425	0.008		0.084	0.011	T	0.10	0.01	L	7.4430	0.0013	0.011	87		7.43	7.46					1							S
83312	11.341	0.063	10.420	0.045		0.855	0.015	G	0.90	0.01	H	10.3856	0.0028	0.029	145		10.33	10.44					1							G
83313	5.300	0.002	5.275	0.002		0.028	0.003	T	0.04	0.00	L	5.2848	0.0005	0.004	137		5.28	5.29		C			1							S
83314	10.021	0.019	8.140	0.008		1.563	0.016	T	1.58	0.02	L	8.0474	0.0025	0.023	133		8.00	8.08		U 2			1							
83315	10.512	0.027	8.784	0.011		1.442	0.023	T	1.44	0.04	L	8.7544	0.0020	0.023	177		8.72	8.79					1							
83316	10.119	0.026	8.806	0.015		1.115	0.023	T	1.08	0.02	L	8.8538	0.0017	0.016	109		8.83	8.89					1							
83317	6.527	0.005	6.205	0.004		0.306	0.006	T	0.35	0.01	L	6.2497	0.0010	0.011	111		6.23	6.27		U 2			1							S P
83318	10.800	0.044	9.418	0.021		1.169	0.038	T	1.13	0.03	L	9.4672	0.0029	0.021	109		9.43	9.51		C			1							
83319	9.422	0.018	8.092	0.011		1.129	0.017	T	1.09	0.02	L	8.1426	0.0010	0.008	97		8.13	8.15					1							
83320						0.460	0.015	G	0.53	0.02	H	11.6124	0.0051	0.053	99		11.52	11.75					1							G
83321	6.764	0.005	6.455	0.006	*	0.279	0.004	G	0.32	0.01	H *	6.4939	0.0008	0.006	75	*	6.48	6.50		D	17018−5108	I 1	2 C A	AB	190	0.231	0.004	0.04	0.06	S
83322	10.725	0.052	8.984	0.022		1.481	0.047	T	2.73	0.07	O	8.7061	0.0094	0.064	65		8.59	8.79	3.46	P 1 A			1 S							P
83323	6.108	0.005	6.250	0.006		−0.124	0.007	T	−0.11	0.01	L	6.2247	0.0031	0.028	109		6.19	6.28		U 2			1							S
83324	10.163	0.023	8.872	0.014		1.098	0.021	T	1.06	0.02	L	8.9139	0.0015	0.019	162		8.88	8.95					1							
83325	7.909	0.009	7.698	0.016		0.195	0.018	T	0.21	0.02	L	7.7433	0.0015	0.010	55		7.72	7.76		D			1							S
83326	9.713	0.018	9.125	0.017		0.549	0.022	T	0.62	0.02	L	9.1956	0.0023	0.023	134		9.15	9.24					1 G							
83327	9.386	0.012	8.017	0.007		1.159	0.011	T	1.12	0.01	L	8.0597	0.0012	0.015	192		8.03	8.09					1							
83328	9.107	0.011	9.066	0.013		0.037	0.015	T	0.05	0.01	L	9.0724	0.0019	0.022	174		9.04	9.11					1							
83329	11.431	0.066	10.105	0.031		1.125	0.057	T	1.09	0.06	L	10.1380	0.0036	0.037	156		10.07	10.20					1							
83330	9.247	0.021	8.761	0.020		0.478	0.015	G	0.55	0.02	H	8.8131	0.0015	0.013	82		8.79	8.84					1							
83331	8.005	0.010	6.442	0.005		1.351	0.006	G	1.32	0.01	H	6.4301	0.0006	0.008	93		6.42	6.44					1							S
83332	9.955	0.028	9.546	0.030		0.387	0.038	T	0.45	0.04	L	9.5207	0.0021	0.019	100		9.48	9.55					1							
83333	9.164	0.013	8.173	0.010		0.867	0.012	T	0.88	0.01	L	8.2189	0.0018	0.013	105		8.20	8.25		C			1 S							S
83334	8.581	0.016	8.235	0.017		0.335	0.021	T	0.39	0.03	L	8.2856	0.0024	0.017	61		8.26	8.31					1							
83335	10.007	0.020	9.471	0.018		0.510	0.020	T	0.58	0.02	L	9.4896	0.0020	0.021	140		9.46	9.53					1							
83336	4.902	0.004	5.005	0.005		−0.100	0.000	G	−0.08	0.00	H	5.0002	0.0013	0.007	37		4.99	5.01			17019−3209	I 1	1 S							S
83337	9.014	0.011	8.542	0.011		0.463	0.015	G	0.53	0.02	H	8.5984	0.0016	0.015	125		8.58	8.62		C			1							S
83338	7.535	0.008	7.607	0.010		−0.047	0.006	G	−0.03	0.01	H	7.6008	0.0012	0.011	106		7.58	7.62					1							S
83339	7.965	0.006	7.657	0.006		0.293	0.008	T	0.33	0.01	L	7.6888	0.0012	0.015	219		7.66	7.71					1							S
83340	7.811	0.010	7.738	0.017		0.072	0.018	T	0.08	0.02	L	7.7571	0.0024	0.012	58		7.74	7.78					1							S
83341	8.586	0.011	8.049	0.011		0.504	0.014	T	0.58	0.01	L	8.1009	0.0009	0.007	95		8.08	8.12					1							
83342	6.483	0.008	6.399	0.009	A	0.091	0.002	G	0.10	0.00	H *	6.3623	0.0006	0.007	110	*	6.35	6.37		D	17020+0827	I 1	2 C A	AB	189	1.305	0.004	0.90	0.01	S
83343	10.097	0.018	8.923	0.011		1.007	0.016	T	0.98	0.01	L	8.9443	0.0029	0.029	160		8.90	9.00		R			1							
83344	10.227	0.022	9.001	0.014		1.047	0.020	T	1.02	0.02	L	9.0426	0.0017	0.021	141		9.01	9.08					1							
83345	8.580	0.008	8.452	0.010		0.124	0.012	T	0.14	0.01	L	8.4837	0.0018	0.021	139		8.45	8.52					1							S
83346	10.276	0.028	8.805	0.014		1.239	0.025	T	1.20	0.03	L	8.8371	0.0017	0.021	120		8.81	8.87		C			1							
83347	9.428	0.011	7.924	0.006		1.265	0.010	T	1.22	0.01	L	7.9353	0.0009	0.014	223		7.92	7.96		C			1							S
83348	9.095	0.018	7.758	0.011		1.035	0.015	G	1.01	0.01	H	7.7888	0.0013	0.011	71		7.77	7.81					1							
83349	10.859	0.036	9.001	0.013		1.545	0.030	T	1.61	0.07	L	8.9829	0.0023	0.025	189		8.94	9.02					1							
83350	10.237	0.067	8.731	0.028	*	1.267	0.057	T	1.23	0.06	L *	8.9303	0.0044	0.035	68	*	8.87	8.98		R	17021−5011	I 1	2 C A	AB	53	4.311	0.005	0.69	0.02	
83351	10.186	0.032	9.496	0.027		0.660	0.020	G	0.72	0.02	H	9.5716	0.0019	0.015	87		9.54	9.60		C			1							
83352	9.043	0.019	7.963	0.013		0.934	0.018	T	0.93	0.01	L	8.0488	0.0015	0.011	76		8.03	8.07					1							
83353	8.550	0.020	8.226	0.024	*	0.342	0.015	G	0.40	0.02	H *	8.3170	0.0012	0.010	76	*	8.30	8.34		D	17021+0713	I 1	2 C A	AB	117	5.087	0.015	2.00	0.04	S
83354	8.103	0.008	7.867	0.009		0.225	0.011	T	0.25	0.01	L	7.9203	0.0014	0.014	119		7.90	7.94		C			1							S
83355	9.870	0.028	8.560	0.017		1.113	0.026	T	1.08	0.03	L	8.5712	0.0021	0.012	58		8.55	8.59		C			1							
83356	9.637	0.030	8.437	0.019		1.027	0.028	T	1.00	0.02	L	8.4953	0.0016	0.010	55		8.48	8.51		C			1							
83357	10.104	0.024	8.797	0.014		1.111	0.022	T	1.07	0.02	L	8.8739	0.0020	0.018	102		8.83	8.90					1							
83358	10.316	0.041	8.667	0.019		1.379	0.036	T	1.35	0.04	L	8.6358	0.0013	0.012	78		8.61	8.66					1							
83359	7.324	0.007	6.200	0.004		0.960	0.000	G	0.95	0.00	H	6.2658	0.0006	0.006	105		6.26	6.28					1							S
83360	8.596	0.010	7.294	0.006		1.107	0.009	T	1.07	0.01	L	7.3373	0.0011	0.009	116		7.33	7.35		C			1							S
83361	9.011	0.012	7.754	0.008		1.071	0.011	T	1.04	0.01	L	7.8046	0.0014	0.012	113		7.79	7.83		C			1							S
83362	9.993	0.032	8.637	0.019		1.149	0.029	T	1.11	0.03	L	8.6629	0.0021	0.019	75		8.63	8.70					1 S							
83363	10.094	0.018	8.849	0.011		1.035	0.015	G	1.08	0.02	I	8.8767	0.0016	0.017	192		8.85	8.91		C			1 G							
83364	10.463	0.026	9.130	0.014		1.131	0.023	T	1.09	0.02	L	9.1827	0.0020	0.024	161		9.14	9.22					1 S							
83365	7.849	0.007	6.510	0.004		1.134	0.015	G	1.10	0.02	I	6.5493	0.0009	0.009	151		6.54	6.56					1 G							S
83366	10.062	0.022	8.209	0.009		1.573	0.020	T	2.57	0.05	O	7.9735	0.0099	0.086	133		7.83	8.05		U 2			1 S							P
83367	7.060	0.004	5.880	0.002		1.018	0.005	G	0.99	0.00	I	5.9322	0.0005	0.006	184		5.92	5.95					1							S
83368	9.970	0.035	8.385	0.017		1.329	0.031	T	1.29	0.04	L	8.3851	0.0016	0.013	88		8.36	8.41		C			1							
83369	11.389	0.133	10.623	0.109	C	1.600	0.495	G	1.57	0.51	J	9.0307	0.0921	0.512	63	−	8.63	10.34		D	17024−4855	I 2	1 C F C							X
83370	8.487	0.009	8.021	0.009		0.439	0.012	T	0.51	0.01	L	8.0869	0.0030	0.028	112		8.04	8.13	0.14	P 1 A			1							S
83371	8.687	0.025	8.417	0.023	*	0.251	0.015	G	0.28	0.02	H *	8.6313	0.0046	0.028	63	−	8.59	8.67		D	17024−4855	I 2	2 C P C	AB	51	2.518	0.012	0.56	0.05	G
83372	9.451	0.016	7.644	0.007		1.504	0.014	T	1.53	0.02	L	7.5811	0.0009	0.009	114		7.56	7.60		D			1 G							
83373	10.026	0.023	8.990	0.016		0.890	0.015	G	0.93	0.01	H	9.0874	0.0016	0.017	111		9.06	9.12			17024−1154	I 2	1 S							
83374	10.281	0.041	8.616	0.018		1.392	0.035	T	1.37	0.04	L	8.5933	0.0019	0.015	64		8.57	8.62					1 S							
83375	12.156	0.119	10.831	0.058		1.125	0.104	T	1.09	0.11	L	10.9938	0.0041	0.042	199		10.91	11.06					1							G
83376	10.992	0.049	10.226	0.040		0.658	0.020	G	0.72	0.02	H	10.4161	0.0030	0.026	110		10.36	10.47			17024−1154	I 2	1							G
83377	8.516	0.009	7.148	0.006		1.158	0.008	T	1.12	0.01	L	7.1959	0.0008	0.011	191		7.17	7.21		C			1							S
83378	9.203	0.026	8.809	0.027		0.385	0.032	T	0.45	0.04	L	8.8741	0.0017	0.011	47		8.85	8.89					1							
83379	9.546	0.019	9.068	0.019		0.463	0.021	T	0.53	0.02	L	9.1155	0.0017	0.015	103		9.09	9.15					1							
83380	8.150	0.011	7.518	0.009		0.583	0.001	G	0.65	0.00	H	7.5818	0.0011	0.010	107		7.56	7.60		C			1							S
83381	9.306	0.022	8.670	0.020		0.591	0.026	T	0.66	0.02	L	8.7345	0.0023	0.018	83		8.71	8.77					1							
83382	8.524	0.010	8.092	0.010		0.427	0.015	G	0.49	0.02	H	8.1521	0.0014	0.014	113		8.13	8.18					1							S
83383	8.017	0.008	7.759	0.009		0.246	0.011	T	0.28	0.01	L	7.8002	0.0012	0.014	155		7.78	7.83					1							S
83384	7.405	0.005	7.260	0.006		0.140	0.007	T	0.15	0.01	L	7.2884	0.0011	0.011	138		7.27	7.31		C			1							S
83385	9.508	0.015	8.279	0.009		1.050	0.014	T	1.02	0.01	L	8.3357	0.0012	0.014	134		8.30	8.36		D			1							
83386	10.508	0.049	9.929	0.044		0.541	0.058	T	0.61	0.06	L	9.9840	0.0024	0.020	93		9.94	10.03					1							
83387	13.616	0.741	9.518	0.031	*	2.100	0.510	G	2.09	0.52	J *	9.0949	0.0423	0.172	74	*	8.93	9.33		U	17026−5504	I 2	2 C B	AC	9	0.205	0.044	1.20	0.79	
83388	7.293	0.005	7.047	0.006		0.234	0.007	T	0.26	0.01	L	7.0926	0.0014	0.012	104		7.07	7.12		M			1							S
83389	7.690	0.006	6.859	0.006		0.728	0.005	G	0.78	0.01	H	6.9070	0.0007	0.009	116		6.89	6.92		C			1							S
83390	12.038	0.202	10.772	0.108							T	11.0872	0.0096	0.066	73		11.00	11.21		U	17026−5504	I 2	1							G
83391	11.921	0.159	11.021	0.120		0.800	0.148	T	0.83	0.11	L	10.9862	0.0032	0.037	64		10.91	11.06		C			1							G
83392	9.677	0.024	8.276	0.013		1.184	0.021	T	1.14	0.02	L	8.3358	0.0024	0.018	89		8.30	8.37					1							
83393	11.602	0.102	9.836	0.032		1.472	0.085	T	1.49	0.13	L	9.7500	0.0031	0.022	93		9.71	9.77					1 S							
83394	9.307	0.015	7.326	0.006		1.678	0.013	T	2.16	0.04	O	7.1842	0.0032	0.026	110		7.13	7.22		U 2			1							S
83395	8.988	0.012	7.624	0.008		1.155	0.011	T	1.12	0.01	L	7.6732	0.0013	0.012	104		7.65	7.69					1							S
83396						0.858	0.015	G	0.90	0.01	H	10.5114	0.0066	0.041	47		10.43	10.56		U			1							G
83397	10.057	0.019	9.016	0.013		0.905	0.017	T	0.91	0.01	L	9.0958	0.0020	0.021	155		9.05	9.13		C			1							
83398	9.313	0.017	8.587	0.014		0.666	0.018	T	0.73	0.01	L	8.6424	0.0016	0.013	92		8.61	8.67		C			1							S
83399	9.045	0.016	8.383	0.014		0.614	0.018	T	0.68	0.02	L	8.4337	0.0018	0.015	99		8.41	8.46					1							S
83400	9.667	0.015	9.128	0.014		0.513	0.015	T	0.59	0.02	L	9.2096	0.0018	0.017	136		9.18	9.24		C			1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)																Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	F1	F2
	h m s	±° ′ ″	mag		deg	deg	mas	mas/yr		mas		mas	mas/yr		α*	α*	δ	α*	δ	π	α*	δ	π	$\mu_{\alpha*}$	%	
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
83401	17 02 43.41	+64 01 36.4	8.70	H	255.680 869 98	+64.026 778 32	4.35	−1.09	6.58	0.63	0.68	0.73	0.61	0.85	+ 0	−19	−21	− 6	−21	+21	−20	+11	+ 8	−16	1	0.69
83402	17 02 44.25	−54 33 40.1	7.09	H	255.684 366 07	−54.561 137 57	10.75	−25.05	−56.43	0.74	0.59	0.90	0.80	0.63	− 8	−24	− 9	+14	+ 3	+ 3	+ 6	+18	−15	−16	0	−0.32
83403 H	17 02 45.98	−42 15 00.8	9.59	H	255.691 591 36	−42.250 228 37 A	0.87	−7.93	−1.21	3.47	2.30	2.99	4.15	2.69	−23	−34	− 1	+16	− 6	−15	+ 3	+60	− 1	−40	1	0.27
83404	17 02 46.28	−32 40 14.6	9.83	2 H	255.692 816 88	−32.670 720 39	3.70	−6.11	2.51	1.74	1.32	2.10	2.51	1.67	− 6	−29	−35	+ 4	−20	−24	−19	+34	+ 0	−41	0	1.09
83405	17 02 49.66	−06 04 05.5	10.86	H	255.706 917 78	−06.068 198 77	44.29	−125.79	−78.66	6.89	4.55	8.22	7.30	5.16	−13	−27	− 2	+ 5	+ 0	−25	+ 1	+23	−10	− 4	0	
83406 H	17 02 52.52	−50 09 37.3	6.89	H	255.718 824 52	−50.160 370 94 A	0.22	−12.06	−15.20	1.58	1.37	1.72	1.91	1.33	−17	− 2	−44	+18	− 8	+ 3	− 4	+57	−31	−18	4	2.30
83407	17 02 52.57	+71 03 41.3	7.70	H	255.719 036 64	+71.061 480 80	3.92	−1.89	−7.04	0.60	0.61	0.63	0.62	0.72	− 8	− 8	−11	−22	+14	−15	+13	− 8	− 2	− 3	1	−0.30
83408	17 02 53.26	+31 41 24.7	7.93	H	255.721 919 94	+31.690 188 00	4.29	−5.00	3.78	0.53	0.64	0.80	0.54	0.71	+ 3	−25	+ 3	+21	+ 4	−20	+ 7	+12	−12	+ 5	0	−0.21
83409 H	17 02 53.69	−33 48 36.9	9.68	H	255.723 722 70	−33.810 257 44 A	−1.11	0.13	−6.36	5.14	3.80	4.86	5.58	3.77	+ 1	−36	−15	+20	−16	+14	− 6	+44	−11	−19	0	1.37
83410	17 02 53.82	−38 27 36.9	7.41	1 H	255.724 255 63	−38.460 261 15	5.32	6.55	14.08	0.87	0.62	0.98	0.99	0.68	−32	−15	−20	+31	−23	+15	−16	+61	−34	−33	0	−0.85
83411	17 02 54.27	+14 39 47.0	7.72	H	255.726 130 54	+14.663 051 10	2.51	−2.54	−12.17	0.66	0.61	0.98	0.90	0.89	+ 9	−18	− 1	+26	+18	+16	+20	+17	+13	+38	0	0.03
83412	17 02 55.23	+25 38 20.9	8.66	H	255.730 144 74	+25.639 131 97	9.00	−37.14	−119.71	0.55	0.91	1.11	0.66	1.14	+ 7	− 3	−22	+ 0	− 1	− 1	+ 1	+19	−14	− 6	0	0.17
83413 H	17 02 56.76	−46 45 07.2	8.21	G	255.736 509 20	−46.751 996 12 A	3.27	−16.54	−34.82	2.50	1.66	2.18	2.26	1.60	+ 9	− 4	− 6	+ 4	+14	+10	+20	+24	− 7	−20	1	1.30
83414	17 02 57.66	−06 21 08.5	7.52	H	255.740 267 30	−06.352 368 58	8.74	−29.57	11.28	0.88	0.53	0.95	1.03	0.64	+ 3	−38	−14	+37	− 4	−10	+ 3	+52	−22	+ 2	0	0.52
83415	17 02 59.84	−43 07 11.2	9.45	H	255.749 346 09	−43.119 773 27	23.56	44.74	−82.79	1.65	0.94	1.72	1.77	1.07	+ 7	−52	−10	+25	+26	−12	+32	+61	−24	+ 2	0	0.02
83416	17 03 00.63	+04 44 51.7	8.81	2 H	255.752 623 05	+04.747 691 85	1.27	−18.09	−9.25	1.22	0.80	1.24	1.55	0.94	− 2	+14	−17	+66	− 5	+31	− 4	+41	− 6	−10	0	0.30
83417	17 03 00.88	−43 50 49.0	9.11	H	255.753 654 76	−43.846 936 41	3.20	1.59	−22.66	1.97	1.11	1.94	2.16	1.27	+18	−50	− 9	+46	+30	+ 2	+36	+69	−28	+16	0	0.04
83418	17 03 02.15	−37 24 23.1	8.89	H	255.758 940 87	−37.406 407 00	4.88	13.46	−8.60	1.33	0.78	1.47	1.31	0.81	− 3	−43	−19	+14	+ 6	− 7	+11	+39	−17	−13	0	−2.02
83419	17 03 02.64	+00 15 12.7	8.51	H	255.760 998 55	+00.253 525 54	2.33	0.42	−9.68	1.13	0.74	1.24	1.34	0.83	− 2	−26	−26	+36	+16	−10	+15	+26	− 3	+ 3	0	0.58
83420	17 03 02.73	+29 28 45.7	7.72	H	255.761 392 72	+29.479 351 35	4.09	−1.45	0.70	0.49	0.66	0.80	0.56	0.86	− 2	− 8	− 3	+11	− 7	− 7	− 6	+23	− 9	−12	0	0.45
83421	17 03 02.88	−53 55 53.9	11.31	H	255.762 016 51	−53.931 644 16	7.64	−3.40	−8.60	2.43	1.98	2.81	2.89	2.14	−28	−22	+ 1	−12	+19	− 6	+19	−19	− 7	−36	0	1.30
83422	17 03 04.49	−27 05 52.0	7.39	H	255.768 699 21	−27.097 766 34	3.16	10.65	0.44	1.14	0.72	1.40	1.54	0.86	− 5	−30	−34	−21	+22	−46	+ 9	−19	+24	−51	0	1.02
83423	17 03 05.03	+21 33 43.9	7.47	H	255.770 954 41	+21.562 182 59	4.40	0.54	−3.19	0.61	0.62	0.93	0.72	0.78	+ 1	−22	+10	+17	+29	+ 1	+32	+15	− 7	+35	0	0.19
83424	17 03 05.16	+34 32 25.0	7.78	H	255.771 493 05	+34.540 265 12	5.39	6.57	−13.63	0.48	0.61	0.70	0.54	0.74	+ 5	+ 6	− 3	+ 6	+15	− 4	+18	+ 1	+13	+20	2	2.08
83425	17 03 05.57	+17 43 52.5	10.47	2 H	255.773 211 76	+17.731 247 21	19.21	−46.20	−335.58	1.22	1.26	1.94	1.51	1.55	− 7	−10	+ 8	+15	+28	+ 9	+27	+19	−11	+28	1	1.91
83426	17 03 06.37	−67 46 25.7	8.80	H	255.776 529 32	−67.773 817 34	3.66	−5.44	−12.89	0.52	0.70	0.97	0.71	0.81	− 4	− 4	+ 4	+21	− 6	+ 3	− 6	+29	+15	+ 7	0	−0.84
83427	17 03 06.46	−45 24 30.7	8.73	H	255.776 934 86	−45.408 525 87	3.39	0.30	−9.79	0.98	0.68	1.18	1.16	0.74	−11	−17	+ 3	+27	+14	+18	+13	+47	−22	− 4	0	−1.82
83428	17 03 07.04	−27 18 16.8	9.27	H	255.779 344 69	−27.304 661 95	5.06	23.51	−49.11	1.43	1.01	1.56	2.13	1.23	−32	+ 8	−17	−40	+29	−44	+28	−30	+13	−51	4	0.11
83429 H	17 03 07.20	−58 32 49.9	7.57	G	255.779 981 99	−58.547 196 87 A	5.13	13.47	−15.00	2.43	3.05	2.46	2.66	3.20	−11	− 9	−21	− 7	− 9	+12	− 8	+11	+ 5	−23	1	2.34
83430	17 03 07.86	+14 05 31.6	4.97	1 H	255.782 733 33	+14.092 100 30	7.97	25.96	−63.21	0.44	0.43	0.69	0.51	0.55	− 3	−28	−10	+18	+16	+ 6	+14	+ 8	+17	+14	0	−0.31
83431 H	17 03 08.71	−53 14 11.9	5.27	H	255.786 288 86	−53.236 626 42 A	37.97	1.16	−165.10	0.92	0.74	0.84	0.86	0.68	−25	+ 2	−33	+ 4	−11	− 6	+ 1	+35	−11	−55	7	−0.37
83432	17 03 09.24	+09 24 03.8	9.40	H	255.788 493 86	+09.401 045 80	0.53	3.01	7.66	1.20	0.94	1.51	1.34	1.10	+36	−27	+ 1	+40	+38	+ 1	+41	+26	−13	+44	0	1.40
83433	17 03 09.44	+24 50 56.3	8.39	H	255.789 330 80	+24.848 977 68	4.86	−10.26	28.21	0.42	0.73	1.02	0.53	1.01	+13	−17	−12	− 3	+ 7	− 2	+11	+13	−19	+ 9	0	2.27
83434 H	17 03 09.82	−38 30 43.4	8.65	H	255.790 919 42	−38.512 068 42 A	10.26	2.89	−35.30	1.91	1.43	1.86	1.96	1.31	−39	+14	−10	+16	+ 8	+ 9	−15	+53	−25	− 4	4	0.09
83435	17 03 10.54	+14 30 42.4	6.52	G	255.793 936 27	+14.511 773 01	27.58	−166.44	−178.43	0.51	0.48	0.79	0.65	0.66	+ 6	−18	− 6	+20	+21	+18	+22	+13	+21	+39	0	−1.17
83436	17 03 11.22	+67 10 49.9	8.76	H	255.796 748 90	+67.180 525 02	2.02	−17.44	14.76	0.74	0.71	0.73	0.80	0.94	+14	− 3	− 6	−34	+ 0	−14	− 2	− 5	+ 4	+21	0	0.69
83438	17 03 13.20	−48 20 12.7	6.75	H	255.804 992 56	−48.336 854 94	3.38	5.52	25.07	0.83	0.58	0.98	1.11	0.65	−24	+ 1	−26	−26	+13	−38	+11	+18	− 3	−36	0	1.07
83439	17 03 13.41	−82 45 49.9	8.68	H	255.805 863 97	−82.763 870 23	5.26	−19.24	−22.83	0.65	0.68	0.85	0.71	0.84	− 8	−19	+ 6	− 6	− 6	−16	− 3	+ 2	−18	+ 3	1	2.13
83440	17 03 13.55	−09 01 03.4	9.35	H	255.806 459 57	−09.017 623 40	2.62	3.99	−13.90	1.49	0.82	1.53	1.97	1.02	+ 8	−40	− 5	+60	+12	−25	+20	+60	−27	+25	0	0.05
83441	17 03 13.68	+40 57 13.4	7.99	H	255.807 020 60	+40.953 713 51	7.31	7.40	21.18	0.65	0.66	0.75	0.97	0.88	+ 5	− 7	−12	−38	+ 4	− 4	+ 5	−13	+16	− 6	0	−1.14
83442	17 03 15.66	+70 50 03.2	8.49	H	255.815 236 80	+70.834 220 46	2.44	−11.48	9.98	0.68	0.71	0.74	0.72	0.81	− 4	−18	− 8	− 1	+12	−16	+11	− 2	+ 1	+ 4	3	0.70
83443	17 03 15.70	−16 33 17.8	9.25	G	255.815 402 23	−16.554 931 13	13.46	14.18	−20.47	1.28	0.78	1.56	1.56	0.85	− 7	−27	−33	+21	−32	+28	− 9	+70	−35	−32	4	−2.17
83444	17 03 15.90	+42 00 05.1	9.80	H	255.816 258 49	+42.001 421 11	1.90	−1.82	−18.56	0.78	0.91	0.95	0.87	1.14	+14	− 9	+ 2	+ 4	+ 1	− 5	− 1	− 5	+ 4	− 3	0	0.82
83445	17 03 16.17	+42 29 28.5	8.68	H	255.817 386 09	+42.491 252 62	3.97	−11.88	−26.95	0.67	0.73	0.80	0.67	0.81	+19	− 9	+ 2	− 1	+ 4	− 6	+ 3	− 5	+10	+ 9	0	−0.10
83446	17 03 16.38	−68 50 38.1	7.98	H	255.818 267 69	−68.843 909 55	5.28	−17.35	−12.61	0.42	0.58	0.80	0.54	0.68	+15	−11	−10	−11	+15	+ 0	+16	+12	+ 2	+ 2	0	0.72
83447 H	17 03 16.79	+41 53 51.0	7.87	2 H	255.819 948 45	+41.897 493 68 A	5.32	−5.62	−22.96	0.95	1.01	1.03	0.91	1.07	− 3	+ 1	+ 5	+10	+ 6	−10	+ 5	+17	− 8	−11	1	0.21
83448	17 03 17.94	−31 36 52.6	6.97	H	255.824 733 89	−31.614 608 55	−0.88	−2.66	−2.64	0.79	0.62	0.91	1.01	0.76	−23	−20	−22	+11	−12	−27	−16	+20	+ 7	−53	3	0.90
83449	17 03 18.54	+27 52 20.9	8.65	H	255.827 266 87	+27.872 480 57	6.91	39.04	−20.05	0.61	0.79	1.06	0.76	1.01	+ 1	− 8	+ 3	− 4	−10	−24	− 7	+ 3	−20	+ 4	0	0.54
83450	17 03 18.55	−24 59 44.1	8.23	1 H	255.827 293 38	−24.995 579 33	2.98	−5.57	14.41	1.01	0.74	1.10	1.20	0.87	−14	−18	−11	− 4	−14	− 9	−10	+ 8	−10	−32	0	1.54
83451	17 03 19.07	+59 35 05.2	8.61	H	255.829 457 18	+59.584 773 14 A	39.71	−356.87	241.17	2.02	1.80	1.57	2.05	2.01	+10	− 5	−10	+ 4	− 1	+17	+ 3	+ 9	+ 7	− 3	3	0.65
83452	17 03 19.27	−19 29 32.6	8.00	H	255.830 287 05	−19.492 384 32	5.09	−38.22	−53.72	1.02	0.56	1.11	1.26	0.61	+ 1	−30	− 7	+20	− 8	− 7	− 2	+63	−19	+ 3	0	2.11
83453	17 03 19.52	−50 24 09.7	7.65	H	255.831 341 09	−50.402 693 86	1.92	−3.90	−4.11	0.83	0.68	0.96	1.10	0.77	+ 0	− 7	−12	+24	+17	− 2	+11	+47	−15	+21	0	0.39
∗83454	17 03 20.19	+59 35 13.9	10.34	G	255.834 132 65	+59.587 184 09 B	40.18	−365.30	253.01	12.90	12.38	4.76	9.09	11.64	+11	+ 2	−11	+ 3	− 2	+18	+ 4	+ 1	+ 9	+ 2	3	0.65
∗83455	17 03 20.12	−62 34 25.4	8.03	H	255.833 831 01	−62.573 728 02	4.40	−1.40	−5.42	0.68	0.61	1.18	0.82	0.69	− 1	−26	− 2	−17	−43	+31	−37	+39	− 5	−18	0	−0.74
83456	17 03 21.58	−23 09 05.8	7.50	H	255.839 934 33	−23.151 606 79	6.11	−2.27	−17.88	1.08	0.66	1.08	1.32	0.78	−17	−38	− 9	−13	−42	+ 2	−37	+46	−11	−15	0	0.85
83457 H	17 03 22.20	−40 05 16.2	7.36	1 H	255.842 502 49	−40.087 830 53 A	5.32	−10.51	−28.55	1.33	1.26	1.16	1.23	0.78	− 9	−49	+ 0	+17	+16	−12	+25	+57	−27	+ 1	3	−0.49
83458	17 03 25.53	+09 01 28.8	8.18	H	255.856 363 91	+09.024 669 56	13.50	−23.03	−41.66	1.05	0.73	1.08	1.17	0.85	+50	−35	− 5	+52	+53	− 7	+54	+41	−12	+60	2	−0.02
83459	17 03 26.16	+34 23 00.5	6.68	H	255.858 988 79	+34.383 470 58	4.65	10.03	5.51	0.42	0.52	0.60	0.47	0.62	+ 3	− 1	+ 1	+ 3	+13	− 7	+16	− 4	+ 9	+20	1	0.38
83460 H	17 03 28.78	−46 27 15.0	8.87	H	255.869 928 34	−46.454 155 65 A	10.77	−9.43	−35.14	3.28	2.44	3.04	3.21	2.51	+12	−19	− 4	+20	+18	+13	+21	+41	+ 4	+13	1	1.69
83461	17 03 30.06	−24 14 28.7	7.26	H	255.875 253 29	−24.241 315 06	3.00	−5.96	−20.04	0.97	0.65	1.06	1.14	0.77	+ 1	−41	−27	+19	−17	+ 2	− 9	+41	−12	−21	0	1.52
83462	17 03 30.19	+35 24 51.0	6.19	2 H	255.875 809 51	+35.414 153 58	4.70	29.00	−43.17	0.43	0.52	0.61	0.47	0.65	+10	− 7	+ 3	+12	+ 7	−18	+ 9	− 6	+ 9	+15	0	−0.61
83463	17 03 30.24	−14 36 52.7	9.62	G	255.876 008 92	−14.614 648 33	2.68	−2.68	−7.85	1.44	0.92	1.83	1.69	0.98	− 1	−25	−43	+19	−32	+27	− 6	+63	−42	−35	0	1.56
83464	17 03 32.81	−78 04 46.2	7.68	H	255.886 689 74	−78.079 499 81	2.20	−5.84	−19.67	0.49	0.57	0.71	0.50	0.63	− 3	−25	+11	+ 2	−14	− 9	−13	+ 5	+ 0	−13	0	−0.35
83465 H	17 03 33.24	−32 36 50.4	8.87	H	255.888 503 97	−32.614 006 34 A	5.39	−11.66	−26.24	3.53	2.42	2.42	3.13	2.09	−10	− 2	−19	+ 9	−13	−22	+ 8	+26	− 9	−47	0	0.36
83466	17 03 33.57	−79 28 11.8	9.28	H	255.889 857 18	−79.469 940 23	2.89	−7.94	−34.21	0.71	0.90	1.01	0.81	1.04	+ 6	−16	+ 7	+22	− 5	+11	− 6	+ 2	− 8	+ 1	2	0.06
83467	17 03 34.04	+57 29 59.0	8.19	H	255.891 837 70	+57.499 713 22	4.02	−8.20	28.24	0.56	0.54	0.61	0.58	0.57	− 1	−11	+11	+12	−12	+ 4	−13	+ 8	− 2	− 4	0	1.02
83468	17 03 34.27	−50 02 45.3	10.27	G	255.892 804 55	−50.045 923 12	−1.60	1.87	−2.28	1.67	1.42	1.92	2.14	1.56	− 8	− 8	−24	+19	+ 3	− 1	+ 2	+56	−21	− 7	0	0.17
83469	17 03 34.44	+17 21 29.7	9.17	H	255.893 513 34	+17.358 241 27	1.31	11.58	8.18	1.09	0.95	1.45	1.25	1.16	+27	−17	+ 4	− 8	+16	+ 3	+12	+23	−10	+45	0	−0.48
83471	17 03 35.65	−40 39 39.4	10.19	H	255.898 527 40	−40.660 933 63	10.77	−40.95	−112.16	1.87	1.25	2.13	2.26	1.41	−26	−24	− 3	+24	− 4	−15	− 1	+72	−26	−21	0	2.50
83472	17 03 35.85	−34 34 26.3	8.97	H	255.899 376 81	−34.573 968 72	2.83	−1.42	−4.35	1.38	1.03	1.47	1.51	1.20	−27	−47	− 7	+27	−26	− 1	−15	+54	−12	−40	0	1.53
83473	17 03 36.05	−70 18 00.5	8.40	H	255.900 131 52	−70.300 131 52	9.29	−56.07	−82.11	0.45	0.73	1.06	0.47	0.84	+12	− 5	− 4	−17	− 7	− 4	− 9	+ 1	+11	+15	0	0.02
83474 H	17 03 36.26	−19 27 43.7	9.48	G	255.901 084 90	−19.462 144 87 A	4.40	3.52	−9.02	1.91	1.02	1.91	2.30	1.00	+20	−13	−15	+15	− 6	+12	+ 2	+57	−33	+20	3	0.48
83475	17 03 36.90	+46 01 26.3	8.00	H	255.903 765 43	+46.023 983 53	3.41	10.90	−48.22	0.62	0.66	0.71	0.73	0.73	+16	−15	− 2	−11	+ 7	+ 9	+ 6	− 6	+ 5	+25	0	−0.62
83476	17 03 37.02	+56 02 05.7	9.61	H	255.904 243 13	+56.034 927 54	3.13	4.29	−28.67	0.93	0.86	0.95	1.05	1.02	+ 8	− 1	−12	−20	− 2	+ 6	+ 1	+ 8	+ 8	+ 1	0	−1.42
83477 H	17 03 38.54	+69 47 52.9	7.90	G	255.910 584 11	+69.798 022 99 A	11.33	−28.60	67.46	2.22	1.95	1.31	1.48	1.69	−42	− 2	+ 2	−28	+16	−11	+17	−18	− 7	−20	1	−0.04
83478	17 03 39.31	+13 36 19.5	5.91	H	255.913 811 85	+13.605 428 85	12.38	−21.43	−33.96	0.50	0.46	0.69	0.55	0.56	− 8	−25	− 1	+12	+16	+ 2	+14	+ 6	+12	+ 5	0	−0.24
83479	17 03 39.89	−15 51 57.8	8.30	H	255.916 210 16	−15.866 049 67	3.87	6.49	−3.93	1.01	0.66	1.21	1.11	0.74	−26	−32	−26	+14	−37	+18	−16	+62	−32	−51	0	−0.14
83480	17 03 41.46	−00 08 45.3	6.70	H	255.922 742 81	−00.145 911 49	10.54	−25.17	−16.62	0.79	0.52	0.85	0.88	0.60	−14	−25	−12	+37	+ 0	+ 7	+ 3	+39	− 9	−13	0	3.27
83481	17 03 41.68	−47 09 38.1	6.07	H	255.923 680 71	−47.160 584 22	5.26	−0.30	5.28	0.75	0.58	0.87	0.81	0.60	−22	−25	−28	+19	−13	+ 6	− 5	+39	−23	−35	0	−0.74
83482	17 03 42.25	−21 24 47.3	8.86	H	255.926 049 57	−21.413 141 09	4.75	−1.77	−5.18	1.16	0.72	1.25	1.33	0.78	− 5	−24	−20	+15	−29	− 2	+14	+63	−21	−27	0	−1.46
83483	17 03 42.79	−61 57 01.2	8.43	H	255.928 285 14	−61.950 340 74	3.24	−2.61	−11.19	0.72	0.64	1.15	0.84	0.70	+ 0	− 4	+ 8	−12	−39	+ 2	−36	+14	−10	− 4	0	−0.44
83484	17 03 45.25	+51 14 48.5	8.88	H	255.938 528 08	+51.246 815 75	0.85	−5.94	15.27	0.71	0.75	0.77	0.80	0.86	+17	+ 0	− 7	− 5	+ 6	− 2	+ 7	+27	−11	+13	0	1.15
83485	17 03 45.68	+18 17 56.7	8.11	H	255.940 342 90	+18.299 081 73	2.71	−13.50	7.15	0.64	0.73	1.07	0.91	0.92	−26	− 7	+ 2	+16	+29	+ 2	+20	+31	−14	+21	0	−1.95
83486 H	17 03 46.79	−20 23 20.2	8.63	G	255.944 969 96	−20.388 939 61 A	4.09	8.99	−6.59	1.76	0.98	1.73	2.16	0.95	+ 9	−24	−16	+20	− 9	+ 9	+ 3	+55	−22	+ 3	0	1.95
83487	17 03 47.83	−85 17 13.2	9.24	H	255.949 276 94	−85.286 996 84	4.52	−0.27	−18.91	0.68	0.82	0.92	0.72	1.01	+ 0	−10	+ 7	− 3	+ 1	− 3	+ 3	−15	−18	− 7	1	2.00
83488	17 03 48.47	−23 37 03.4	8.85	H	255.951 965 54	−23.617 615 33	4.42	−12.06	−8.80	1.34	0.75	1.43	1.65	0.88	+13	−50	−25	+11	− 9	− 5	+ 1	+52	−20	+ 9	0	1.43
83489	17 03 49.29	+17 11 22.5	9.12	G	255.955 356 19	+17.189 595 70	11.97	−216.25	−166.58	0.93	0.85	1.42	1.09	1.02	+13	−25	−10	−28	+10	−10	+ 4	+ 2	−30	+49	0	−0.25
83490	17 03 50.73	+19 48 01.6	8.73	H	255.961 388 27	+19.800 441 73	8.60	1.12	22.75	0.74	0.78	1.19	0.89	0.95	− 9	− 8	−21	+ 4	+19	− 3	+17	+23	−31	+17	1	1.26
83491	17 03 50.87	−38 09 09.0	5.91	1 H	255.961 975 69	−38.152 487 50	15.61	90.49	−34.72	0.71	0.45	0.80	0.76	0.49	−20	−27	−15	+16	− 9	− 2	− 2	+48	−26	−23	0	−0.55
83492	17 03 52.02	−14 17 00.1	9.09	H	255.966 768 65	−14.283 349 08	8.78	11.33	−23.86	1.43	0.83	1.67	1.87	0.88	+ 5	− 7	−40	+39	−23	+34	− 4	+64	−40	−18	0	−0.48
83493 H	17 03 52.67	+19 41 25.8	6.35	G	255.969 473 00	+19.690 492 58 A	2.92	−22.94	8.55	0.74	0.72	0.97	0.75	0.81	− 4	−18	−21	+ 7	+25	− 7	+22	+20	−29	+29	0	0.91
83494	17 03 53.62	+34 47 24.9	6.08	H	255.973 419 89	+34.790 237 10	18.50	−60.78	−6.13	0.40	0.47	0.56	0.46	0.62	+ 9	− 1	− 2	+10	+ 9	− 1	+13	−11	+18	+26	0	0.50
83495	17 03 54.47	+16 01 21.7	7.87	1 G	255.976 972 00	+16.022 694 29	3.59	−24.72	−16.44	0.71	0.68	1.05	0.81	0.81	+ 4	−17	− 7	+17	+25	+ 7	+30	+10	−15	+28	0	−0.13
83496	17 03 54.77	−35 16 25.6	8.08	H	255.978 214 04	−35.273 764 53	1.97	−4.39	−1.86	0.95	0.77	1.08	1.04	0.81	−32	−10	−30	+17	−43	+13	−31	+58	−33	−47	0	1.00
83497	17 03 55.17	+45 26 57.2	7.78	H	255.979 856 99	+45.449 215 13	2.10	11.76	3.31	0.65	0.65	0.73	0.71	0.73	+15	−13	+ 5	−21	− 2	− 2	− 1	− 9	− 9	+14	0	1.73
83498	17 03 55.45	−44 08 57.9	7.88	H	255.981 038 56	−44.149 414 55	2.79	−3.31	−9.39	1.45	0.74	1.64	1.25	0.87	+ 2	−66	−18	+25	+ 0	+ 9	+27	+62	−39	−22	0	0.01
∗83499	17 03 56.77	−37 50 39.0	6.48	2 H	255.986 546 01	−37.844 154 53	−0.21	1.90	4.71	0.78	0.48	0.86	0.81	0.53	−14	−34	−15	+23	− 6	+ 6	+ 3	+52	−26	−20	0	0.04
∗83500	17 03 56.86	+62 12 25.3	8.85	H	255.986 906 18	+62.207 033 06

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
83401	8.996	0.013	8.701	0.014		0.280	0.018	T	0.32	0.02	L	8.7738	0.0021	0.018	102		8.75	8.81					1							
83402	7.291	0.007	7.119	0.008		0.165	0.010	T	0.18	0.01	L	7.1502	0.0019	0.011	75		7.13	7.16					1							S
83403	10.128	0.051	9.530	0.049	*	0.558	0.062	T	0.63	0.06	L	*	9.7140	0.0021	0.018	70	*	9.66	9.74		D	17028−4215	I 1	2 C	A	AB	119	3.973	0.014	0.85	0.04	G
83404	10.196	0.047	9.889	0.058		0.414	0.054	T	0.39	0.06	L		9.8579	0.0099	0.065	51		9.78	9.96		U			1							G
83405	12.426	0.250	10.981	0.111		1.237	0.225	T	2.28	0.27	K		10.9124	0.0044	0.044	92		10.84	10.99					1 X							G G
83406	7.145	0.008	6.867	0.010	*	0.262	0.013	T	0.29	0.02	L	*	6.9672	0.0019	0.015	68	*	6.95	7.06		D	17029−5010	I 1	2 C	A	AB	233	7.984	0.004	0.95	0.02	S
83407	9.021	0.013	7.805	0.008		1.039	0.012	T	1.01	0.01	L		7.8674	0.0014	0.012	115		7.85	7.89					1							S
83408	8.174	0.008	7.956	0.008		0.208	0.011	T	0.23	0.01	L		7.9963	0.0015	0.015	148		7.97	8.03					1							S
83409	11.019	0.101	10.326	0.093	A	0.655	0.009	G	0.66	0.07	B	*	9.8050	0.0036	0.019	54	*	9.77	9.84		D	17029−3349	I 1	2 C	B	AB	212	1.933	0.003	0.04	0.02	G
83410	7.563	0.008	7.417	0.009		0.140	0.011	T	0.15	0.01	L		7.4625	0.0024	0.016	94		7.44	7.49		U 2			1							S P
83411	9.775	0.018	7.885	0.008		1.570	0.016	T	1.59	0.02	L		7.8367	0.0017	0.014	112		7.81	7.87					1							
83412	9.482	0.013	8.732	0.011		0.660	0.015	G	0.72	0.01	H		8.7941	0.0017	0.018	176		8.76	8.83					1							
83413	8.735	0.022	8.244	0.022	*	0.460	0.015	G	0.53	0.02	H	*	8.3213	0.0020	0.014	73	*	8.30	8.35		D	17029−4645	I 1	2 C	A	AB	47	3.641	0.010	0.56	0.03	
83414	7.872	0.008	7.548	0.008		0.308	0.011	T	0.35	0.01	L		7.5931	0.0011	0.009	97		7.58	7.61					1							S
83415	10.524	0.043	9.541	0.030		0.849	0.041	T	0.89	0.04	L		9.5906	0.0023	0.019	77		9.56	9.62		C			1							G
83416	10.874	0.057	9.079	0.022		1.525	0.050	T	2.71	0.07	O		8.8040	0.0071	0.049	71		8.72	8.85		U 2			1	S						
83417	10.986	0.066	9.280	0.025		1.424	0.056	T	1.41	0.09	L		9.2415	0.0034	0.021	78		9.21	9.28					1							
83418	10.363	0.053	9.079	0.029		1.093	0.047	T	1.05	0.05	L		9.0593	0.0018	0.016	76		9.03	9.09		C			1							
83419	10.812	0.062	8.718	0.018		1.732	0.052	T	1.76	0.05	L		8.6139	0.0026	0.019	70		8.59	8.65					1							
83420	9.338	0.013	7.860	0.007		1.245	0.012	T	1.20	0.01	L		7.8832	0.0013	0.014	154		7.86	7.91					1							S
83421								T					11.4726	0.0106	0.069	65		11.37	11.59		R			1	S						G
83422	9.083	0.016	7.528	0.009		1.324	0.015	G	1.29	0.02	H		7.5402	0.0018	0.010	61		7.52	7.56					1							S
83423	8.665	0.010	7.559	0.007		0.954	0.009	T	0.94	0.01	L		7.6316	0.0014	0.012	122		7.61	7.66					1							S
83424	8.090	0.008	7.798	0.009		0.285	0.012	G	0.32	0.01	H		7.8549	0.0015	0.013	126		7.83	7.87					1							S
83425	11.870	0.104	10.607	0.053		1.071	0.094	T	1.13	0.14	L		10.5941	0.0045	0.050	137		10.48	10.67		U 2			1							G
83426	8.786	0.008	8.804	0.011		−0.015	0.012	T	0.01	0.01	L		8.8060	0.0016	0.018	182		8.77	8.84		C			1							
83427	8.679	0.014	8.726	0.018		−0.040	0.020	T	−0.02	0.02	L		8.7243	0.0023	0.014	80		8.70	8.75					1							
83428	10.279	0.040	9.403	0.032		0.767	0.039	T	0.81	0.03	L		9.4153	0.0022	0.016	51		9.39	9.44		C			1							
83429	8.426	0.011	7.718	0.009	*	0.626	0.015	G	0.69	0.01	H	*	7.7176	0.0020	0.017	127	*	7.69	7.74		D	17031−5833	I 1	2 C	A	AB	158	0.611	0.003	0.27	0.01	S
83430	7.061	0.006	5.170	0.003		1.600	0.007	G	2.08	0.00	G		5.0446	0.0011	0.013	121		5.02	5.07		U 2			1	S						S
83431	5.852	0.004	5.332	0.004	*	0.498	0.005	T	0.57	0.01	L	*	5.3839	0.0008	0.005	72	*	5.38	5.39		D	17031−5314	I 1	2 C	A	AC	109	0.588	0.019	3.21	0.06	S
83432	10.825	0.048	9.513	0.024		1.114	0.042	T	1.08	0.04	L		9.5705	0.0031	0.028	100		9.51	9.62		C			1							
83433	9.590	0.011	8.474	0.008		0.962	0.011	T	0.95	0.01	L		8.5485	0.0013	0.018	252		8.52	8.58					1							
83434	9.346	0.018	8.756	0.017	A	0.536	0.071	G	0.55	0.03	L	*	8.7567	0.0025	0.016	94	*	8.73	8.79			17032−3831	M 1	2 C	A	AB	332	9.809	0.037	2.95	0.15	
83435	7.483	0.006	6.614	0.005		0.770	0.006	G	0.81	0.00	H		6.6706	0.0009	0.008	119		6.66	6.69					1							S
83436	10.100	0.026	8.867	0.016		1.053	0.024	T	1.02	0.02	L		8.9241	0.0017	0.015	92		8.90	8.95		C			1							
83438	8.367	0.012	6.896	0.007		1.239	0.011	T	1.20	0.01	L		6.9086	0.0013	0.009	73		6.89	6.92		C			1							S
83439	8.905	0.011	8.716	0.013		0.173	0.016	T	0.19	0.02	L		8.7393	0.0022	0.019	135		8.71	8.77					1							
83440	11.088	0.063	9.523	0.026		1.313	0.054	T	1.27	0.06	L		9.4999	0.0020	0.018	86		9.47	9.53		R			1	S						
83441	8.607	0.011	8.055	0.010		0.538	0.015	G	0.61	0.02	H		8.1124	0.0016	0.014	113		8.09	8.14		C			1 G							S
83442	9.722	0.020	8.607	0.014		0.990	0.020	G	1.03	0.02	H		8.6622	0.0032	0.023	101		8.63	8.70		R			1							
83443	9.820	0.030	9.264	0.028		0.533	0.015	G	0.61	0.02	H		9.3628	0.0019	0.014	92		9.34	9.39					1							
83444	10.152	0.028	9.763	0.029		0.368	0.037	T	0.43	0.04	L		9.8913	0.0027	0.022	107		9.85	9.96		C			1							
83445	8.970	0.014	8.679	0.015		0.277	0.019	T	0.31	0.02	L		8.7499	0.0014	0.017	101		8.72	8.78					1							
83446	8.004	0.006	7.970	0.007		0.031	0.008	T	0.05	0.01	L		7.9979	0.0011	0.014	219		7.97	8.03		C			1							S
83447	8.741	0.015	7.868	0.011	*	0.780	0.014	T	0.82	0.01	L	*	8.0229	0.0025	0.023	117	*	7.99	8.06		U 2	17033+4154	I 1	2 C	A	AB	149	2.635	0.010	2.18	0.04	
83448	6.845	0.007	6.958	0.010		−0.073	0.002	G	−0.05	0.00	H		6.9509	0.0012	0.008	47		6.94	6.97		C			1							S
83449	9.083	0.012	8.683	0.012		0.378	0.016	T	0.44	0.02	L		8.7425	0.0020	0.021	163		8.71	8.79		C			1							
83450	10.489	0.053	8.425	0.017		1.747	0.046	T	2.02	0.11	O		8.3163	0.0031	0.027	60		8.26	8.34		U			1							
83451	9.977	0.034	8.732	0.020	A	1.019	0.005	G	1.07	0.01	I		8.7522	0.0089	0.040	92	A	8.72	8.86		D	17033+5935	I 2	1 C P	A						
83452	9.595	0.021	8.143	0.012		1.224	0.019	T	1.18	0.02	L		8.1680	0.0011	0.010	102		8.15	8.19					1							
83453	8.266	0.013	7.702	0.013		0.551	0.015	G	0.62	0.01	H		7.7677	0.0016	0.010	69		7.75	7.80					1							S
83454	12.038	0.173	10.193	0.052	B	1.369	0.022	G	1.61	0.04	I		10.5116	0.0382			B				D	17033+5935	I 2	1 C I	A						
83455	10.108	0.017	8.230	0.007		1.593	0.015	T	1.95	0.04	O		8.1215	0.0015	0.020	231		8.10	8.16					1 G							
83456	9.696	0.037	7.691	0.015		1.661	0.032	T	1.68	0.03	L		7.6075	0.0017	0.012	66		7.59	7.64					1 G							S
83457	7.726	0.008	7.387	0.007	*	0.328	0.012	T	0.38	0.02	L	*	7.4393	0.0030	0.020	106	*	7.41	7.47	0.13	P 1 A	17034−4005	H 1	2 C	B	AB	164	0.398	0.026	3.79	0.16	S
83458	8.896	0.013	8.245	0.011		0.602	0.015	G	0.67	0.01	H		8.3101	0.0019	0.015	94		8.29	8.34					1	S						S
83459	8.282	0.008	6.818	0.004		1.234	0.007	T	1.19	0.01	L		6.8475	0.0009	0.009	139		6.83	6.86					1							S
83460	9.217	0.029	8.580	0.028	*	0.586	0.030	T	0.66	0.03	L	*	8.9923	0.0029	0.020	76	*	8.96	9.03		D	17035−4627	I 1	2 C	A	AB	226	2.263	0.007	0.35	0.03	
83461	9.051	0.017	7.417	0.009		1.367	0.015	T	1.34	0.02	L		7.4148	0.0011	0.009	64		7.40	7.43					1							S
83462	8.161	0.010	6.436	0.006		1.467	0.010	T	2.71	0.02	O		6.1659	0.0057	0.066	131		6.07	6.26		U 2			1	S						S
83463	10.533	0.044	9.751	0.035		0.725	0.020	G	0.78	0.01	H		9.7655	0.0024	0.019	83		9.73	9.80		C			1							
83464	7.685	0.006	7.677	0.008		0.012	0.009	T	0.03	0.01	L		7.6872	0.0010	0.013	141		7.67	7.72					1							S
83465	9.685	0.037	8.919	0.032	*	0.682	0.037	T	0.74	0.03	L	*	9.0084	0.0022	0.015	49	*	8.97	9.03		D	17036−3237	I 1	2 C	A	AS	77	0.393	0.013	1.33	0.06	
83466	9.691	0.016	9.333	0.017		0.348	0.021	T	0.41	0.03	L		9.3610	0.0022	0.022	141		9.33	9.40		C			1							
83467	8.193	0.010	8.177	0.012		0.019	0.014	T	0.04	0.01	L		8.2041	0.0024	0.018	91		8.18	8.23					1							S
83468	10.687	0.056	10.299	0.064		0.390	0.015	G	0.46	0.02	H		10.3707	0.0038	0.027	61		10.33	10.43		C			1							G
83469	10.317	0.029	9.254	0.019		0.921	0.026	T	0.92	0.02	L		9.3278	0.0029	0.025	105		9.28	9.37					1							
83471	11.127	0.060	10.294	0.046		0.734	0.058	T	0.78	0.04	L		10.3238	0.0039	0.039	115		10.24	10.41					1							G
83472	11.154	0.105	9.182	0.034		1.635	0.088	T	1.66	0.09	L		9.0847	0.0022	0.021	56		9.04	9.12					1	S						
83473	8.937	0.007	8.444	0.007		0.475	0.008	T	0.55	0.01	L		8.4999	0.0014	0.020	288		8.47	8.53					1							
83474	9.577	0.019	9.554	0.026	A	0.082	0.015	G	0.09	0.02	H	*	9.4963	0.0027	0.021	106	*	9.46	9.53			17036−1928	I 1	2 C	A	AB	76	3.682	0.038	2.89	0.08	
83475	9.463	0.016	8.115	0.010		1.143	0.015	T	1.11	0.01	L		8.1679	0.0020	0.015	115		8.14	8.19					1							S
83476	11.113	0.055	9.677	0.027		1.212	0.048	T	1.17	0.05	L		9.7679	0.0027	0.023	108		9.73	9.81		C			1							
83477	8.444	0.012	7.975	0.011	*	0.481	0.015	G	0.55	0.02	H	*	7.9904	0.0017	0.009	92	*	7.97	8.01		D	17036+6948	I 1	2 C	A	AB	121	0.400	0.003	0.17	0.02	S
83478	5.921	0.003	5.918	0.003		0.010	0.000	G	0.03	0.00	H		5.9266	0.0007	0.006	106		5.92	5.94		C	17038+1335	I 2	1							S
83479	8.619	0.011	8.334	0.012		0.271	0.015	T	0.31	0.02	L		8.3682	0.0016	0.011	93		8.35	8.38		C			1							S
83480	6.924	0.006	6.725	0.006		0.190	0.008	T	0.21	0.01	L		6.7577	0.0008	0.007	81		6.75	6.77		C			1							S
83481	6.163	0.004	6.079	0.005		0.072	0.003	G	0.08	0.00	H		6.1048	0.0006	0.006	77		6.10	6.12			17037−4710	I 1	1							S
83482	10.357	0.033	9.015	0.018		1.138	0.029	T	1.10	0.03	L		9.0238	0.0023	0.016	101		9.00	9.05					1							
83483	10.446	0.026	8.585	0.010		1.547	0.022	T	1.61	0.05	L		8.5427	0.0018	0.019	183		8.51	8.58					1							
83484	10.227	0.030	9.015	0.018		1.036	0.027	T	1.01	0.02	L		9.0395	0.0020	0.018	104		9.01	9.07		C			1							
83485	10.056	0.018	8.260	0.008		1.495	0.016	T	1.52	0.02	L		8.2363	0.0011	0.017	160		8.21	8.27					1							
83486	9.939	0.023	8.770	0.015	A	1.091	0.156	G	0.95	0.02	L	*	8.7645	0.0016	0.013	108	*	8.74	8.79			17038−2023	I 1	2 C	B	AB	181	5.955	0.025	3.38	0.18	
83487	9.442	0.016	9.241	0.018		0.192	0.023	T	0.21	0.03	L		9.3079	0.0026	0.020	121		9.27	9.34		C			1							
83488	9.403	0.025	8.901	0.025		0.485	0.020	G	0.56	0.02	H		8.9547	0.0026	0.017	73		8.93	8.99					1							
83489	9.903	0.024	9.171	0.021		0.643	0.010	G	0.71	0.01	H		9.2452	0.0028	0.023	105		9.20	9.30					1							
83490	9.411	0.013	8.780	0.012		0.587	0.015	T	0.66	0.01	L		8.8589	0.0029	0.026	143		8.82	8.90		R			1							S
83491	6.369	0.005	5.950	0.004		0.409	0.005	T	0.48	0.01	L		6.0017	0.0007	0.007	98		5.99	6.01		P 1			1							S P
83492	9.897	0.029	9.128	0.024		0.685	0.029	T	0.74	0.02	L		9.2265	0.0021	0.014	75		9.20	9.25		C			1							
83493	8.418	0.010	6.583	0.004	A	1.518	0.015	G	1.83	0.05	O	*	6.4897	0.0010	0.011	143	*	6.47	6.51		D	17039+1941	I 1	2 C	A	AB	224	1.528	0.017	3.35	0.11	S
83494	6.326	0.003	6.110	0.004		0.200	0.005	T	0.22	0.01	L		6.1479	0.0008	0.007	129		6.14	6.16					1							S
83495	9.322	0.016	7.992	0.010		1.110	0.015	G	1.07	0.02	H		8.0524	0.0014	0.015	107		8.03	8.09		M			1							
83496	9.850	0.043	8.274	0.022		1.322	0.038	T	1.28	0.04	L		8.2348	0.0016	0.014	66		8.21	8.26					1							
83497	9.627	0.019	7.919	0.009		1.426	0.017	T	1.41	0.03	L		7.9194	0.0018	0.015	115		7.89	7.95					1							S
83498	7.970	0.011	7.884	0.014		0.084	0.017	T	0.10	0.02	L		7.9110	0.0015	0.012	77		7.89	7.93					1							S
83499	6.777	0.007	6.549	0.008		0.263	0.005	G	0.47	0.03	C		6.5744	0.0028	0.023	94		6.54	6.61	3.41	P 1 A			1							S
83500	9.537	0.017	8.909	0.015		0.584	0.020	T	0.66	0.02	L		8.9777	0.0015	0.018	107		8.94	9.01		C			1							S

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg		Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%) δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	$\mu_{\alpha*}$ μ_δ	Soln F1 %	F2
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
*83501 H	17 03 55.75	+53 13 52.4	7.82	H	255.982 309 89	+53.231 212 11	A	3.18	0.50	33.90	1.50	2.69	0.79	0.74	0.88	−11	+ 6	+ 2	− 1	− 3	− 4	+ 0	+12	+ 3	− 4	2	−0.19
83502	17 03 57.47	−57 33 47.0	8.95	H	255.989 455 90	−57.563 058 73		2.53	2.73	−5.62	0.74	0.72	1.24	1.00	0.89	−18	−11	− 5	−15	−10	+13	− 9	+ 9	− 7	−13	1	1.63
83503	17 03 57.64	+47 06 25.1	9.94	H	255.990 174 76	+47.106 978 84		6.56	−12.77	98.17	0.87	0.89	0.98	1.10	1.15	+11	−12	− 2	+ 4	+ 2	− 8	+ 1	−11	− 1	+ 3	1	−1.16
83504	17 03 58.03	+13 34 03.9	6.06	H	255.991 786 93	+13.567 736 47		9.66	22.66	−130.21	0.58	0.52	0.76	0.61	0.62	− 5	−26	− 1	+21	+18	+ 0	+19	+ 7	+ 8	+ 7	0	0.02
83505	17 03 59.09	−28 15 22.6	7.73	H	255.996 199 59	−28.256 288 01		2.92	− 8.29	−12.36	0.89	0.62	0.97	0.85	0.68	−13	−47	− 8	+ 5	−11	− 2	− 7	+ 1	− 8	−31	0	1.65
83506	17 03 59.55	−51 04 57.3	8.83	G	255.998 133 54	−51.082 594 48	B	−2.35	16.34	− 5.66	19.73	16.17	12.16	15.82	11.83	− 5	−20	−29	+19	− 3	+ 6	+ 5	+43	−20	− 6	3	0.80
83507	17 03 59.59	+20 52 49.1	9.04	H	255.998 303 22	+20.880 302 88		11.41	−21.39	−25.08	0.99	0.99	1.35	1.12	1.23	+23	−20	−12	+32	+32	+14	+29	+39	−26	+24	0	1.08
83508	17 04 00.82	−25 41 52.6	6.66	1 H	256.003 406 39	−25.697 945 42		5.32	− 5.95	−22.89	0.89	0.57	0.99	1.29	0.66	−15	−19	−15	+ 8	− 7	−14	−10	+49	−16	− 5	0	−0.31
*83509	17 04 01.23	−51 05 01.1	8.19	H	256.005 127 53	−51.083 640 71	A	−4.36	12.55	− 5.67	5.45	4.65	4.67	6.37	4.79	− 3	−12	−25	+34	+ 0	+ 1	+ 4	+52	−18	− 4	3	0.80
*83510	17 04 01.17	−02 35 01.8	8.00	H	256.004 872 81	−02.583 844 37		3.50	0.00	−16.01	1.05	0.63	1.11	1.45	0.79	+10	−16	+ 2	+45	+ 8	+ 4	+12	+44	−19	+19	0	−0.35
*83511	17 04 02.04	−27 12 54.5	7.74	H	256.008 503 59	−27.215 128 09		3.91	12.99	−36.66	1.12	0.76	1.31	1.52	0.94	−11	− 7	−31	−34	+ 9	−44	+ 6	−17	+20	−56	0	0.07
*83512	17 04 02.00	+33 07 01.8	8.91	H	256.008 326 60	+33.117 174 80		3.45	− 4.83	− 5.09	0.77	0.78	0.99	1.03	1.18	+17	− 2	−14	+26	+16	− 1	+17	+17	−19	+17	1	1.19
83513	17 04 02.67	−51 05 25.6	11.15	H	256.011 123 85	−51.090 457 65		29.70	− 8.18	− 7.83	13.42	11.22	15.98	17.41	12.84	− 6	−15	−31	+ 8	+15	− 2	+14	+20	−10	+ 5	6	
83514	17 04 03.08	−16 11 32.8	8.52	H	256.012 828 82	−16.192 450 34		10.24	−243.47	24.39	1.19	0.74	1.45	1.42	0.80	− 4	−28	−38	+25	−28	+30	− 5	+62	−34	−35	4	2.19
83515	17 04 05.03	+04 47 03.7	10.93	3 G	256.020 977 38	+04.784 359 27		19.51	−151.49	22.67	5.57	3.86	6.03	6.58	4.51	+ 5	−22	−10	+40	+17	− 6	+17	+27	− 3	+ 6	0	
83516	17 04 05.15	−39 04 18.0	8.15	2 H	256.021 464 33	−39.071 655 21		1.01	− 6.12	−12.14	0.98	0.61	1.15	1.03	0.69	−21	−25	−11	+15	−11	+ 0	− 1	+56	−35	−25	0	−0.69
83517	17 04 05.31	+46 05 25.4	7.84	H	256.022 104 31	+46.090 394 48		14.74	− 6.60	−216.83	0.60	0.60	0.66	0.68	0.67	+17	− 8	− 1	− 9	+11	+ 5	+ 9	− 8	+13	+26	0	0.48
83518	17 04 06.35	+43 22 14.1	9.27	2 H	256.026 463 01	+43.370 585 59		0.90	2.97	0.80	0.73	0.80	0.86	0.82	0.89	+11	− 9	− 5	−17	+ 6	−13	+ 4	−16	+ 6	+19	0	−0.57
83519	17 04 08.26	+32 33 40.1	8.29	H	256.034 426 25	+32.561 145 62		1.88	− 2.65	− 3.35	0.68	0.77	0.98	0.80	1.06	+ 1	− 4	− 1	+ 7	+ 6	− 7	+ 7	+ 9	− 1	+ 2	0	−1.42
83520	17 04 08.97	+38 12 50.3	9.03	H	256.037 382 07	+38.213 975 45		8.15	11.19	88.44	0.67	0.77	0.87	0.73	0.94	+14	−13	−15	+24	+18	−22	+17	+11	− 1	+10	0	−0.16
83521	17 04 09.49	+61 11 02.7	7.91	H	256.039 545 75	+61.184 077 73		3.95	16.95	21.58	0.61	0.63	0.67	0.60	0.77	+ 2	−20	−17	−23	+ 8	+ 2	+ 2	− 8	+23	+13	3	−0.27
83522	17 04 09.72	−30 39 33.4	9.67	H	256.040 489 63	−30.659 267 28		11.38	− 5.05	−146.98	1.35	0.97	1.47	1.52	1.07	+ 5	−28	−17	−11	−24	+ 0	−17	+ 3	−12	−15	0	−1.02
83523	17 04 09.80	−25 02 16.3	10.35	H	256.040 837 88	−25.037 853 33		−0.11	− 2.19	− 8.39	1.98	1.19	1.94	2.60	1.34	+15	− 7	− 6	−24	−30	− 8	−17	+45	−19	+ 2	3	2.06
83524 H	17 04 10.49	−49 19 14.3	9.63	G	256.043 697 34	−49.320 625 47	*	−0.59	− 1.77	− 6.83	5.83	6.53	2.17	2.88	1.79	+20	− 3	−10	+ 8	+41	− 1	+40	+46	− 4	+ 7	5	−0.69
83525	17 04 12.19	+22 27 46.4	9.00	H	256.050 810 56	+22.462 890 70		1.26	− 5.48	6.44	0.84	0.90	1.38	1.41	1.24	+26	−16	−18	+ 5	+16	−20	+15	+25	−27	+27	0	−0.86
83526	17 04 13.22	+11 20 41.4	9.28	H	256.055 088 33	+11.344 831 88		2.65	− 3.79	7.48	1.04	0.86	1.46	1.09	0.87	+19	−47	−22	+36	+35	−23	+30	+ 2	− 1	+28	0	−1.86
83527	17 04 13.73	−36 38 33.4	8.79	H	256.057 190 30	−36.642 601 60		5.23	2.66	− 6.03	1.18	0.71	1.36	1.02	0.73	−12	−46	−25	+15	−26	− 5	− 8	+53	−25	−41	0	0.27
83528	17 04 15.43	+36 45 10.9	7.74	H	256.064 310 49	+36.753 025 93		2.92	−13.33	− 7.59	0.57	0.63	0.75	0.70	0.90	−10	+13	−16	+ 1	+10	+ 7	+13	− 2	− 3	−21	2	−0.66
83529	17 04 15.54	−45 14 25.8	7.63	G	256.064 743 18	−45.240 498 78		5.45	1.34	24.61	0.87	0.57	1.02	1.02	0.61	− 9	−14	− 3	+23	+15	+20	+15	+44	−20	− 9	0	0.29
83530 H	17 04 18.72	−51 51 41.9	9.80	G	256.078 015 78	−51.861 651 81	A	1.91	− 6.55	−13.32	2.33	1.78	2.25	2.87	1.90	− 4	− 7	−15	+34	+ 5	+15	+ 5	+54	− 8	− 4	0	−0.02
83531	17 04 18.93	+20 02 53.1	8.33	H	256.078 859 99	+20.048 074 89		1.35	− 9.17	5.05	0.66	0.75	1.17	0.79	1.00	+ 1	−14	−24	− 5	+26	−12	+17	+33	−40	+40	1	0.95
83532	17 04 19.10	+70 18 13.8	8.26	H	256.079 564 50	+70.303 830 08		9.36	−16.86	25.70	0.66	0.65	0.67	0.66	0.76	−10	−17	− 1	−14	+22	−10	+25	− 6	− 4	+ 2	0	2.03
83533	17 04 19.71	−76 55 14.2	8.75	H	256.082 130 69	−76.920 624 78		2.87	− 2.39	− 9.59	0.62	0.78	0.93	0.66	0.87	+ 9	−16	+15	−16	− 5	+ 0	− 2	−16	−15	+10	0	−0.37
83534	17 04 23.94	−65 39 03.6	8.39	H	256.099 734 28	−65.650 993 86		3.66	− 4.64	−10.50	0.62	0.59	0.93	0.74	0.69	− 1	−18	− 9	+16	−33	− 3	−29	+27	+ 0	−28	0	−0.48
83535	17 04 24.73	−57 42 43.6	5.73	H	256.103 021 12	−57.712 107 29		4.51	− 3.54	−24.38	0.43	0.43	0.70	0.56	0.52	−24	−13	−15	− 6	− 7	+18	− 3	+ 4	− 7	−32	2	−0.40
83536	17 04 25.65	+52 49 06.6	8.20	H	256.106 884 61	+52.818 490 76		4.57	−19.38	8.29	0.62	0.61	0.64	0.65	0.69	+18	+ 2	+11	+ 5	+12	− 3	+14	+24	− 4	+12	0	−1.81
83537	17 04 26.01	−78 28 25.1	8.59	H	256.108 368 06	−78.473 634 12		3.38	15.59	−30.83	0.67	0.75	0.98	0.66	0.81	−11	−30	+30	+ 5	−20	−12	−17	− 7	− 5	− 9	0	1.17
83538	17 04 26.36	−17 20 06.5	9.54	G	256.109 833 96	−17.335 133 35		9.47	12.40	−18.46	1.28	0.81	1.42	1.60	0.91	−10	−21	−16	+ 7	−30	+15	−17	+57	−19	−26	4	0.11
83539	17 04 26.86	−18 08 20.5	8.13	H	256.111 909 07	−18.139 033 50		8.80	−25.47	− 6.33	0.90	0.52	0.97	0.95	0.55	− 1	−37	− 7	+15	−16	+10	− 5	+60	−13	−14	0	−0.76
83540	17 04 27.64	−24 14 25.0	7.30	H	256.115 167 45	−24.240 284 11		4.94	25.73	− 4.07	0.95	0.59	1.03	1.12	0.67	− 2	−41	−18	+13	−21	+ 6	− 6	+63	−20	−18	0	0.77
83541	17 04 27.79	−28 34 55.3	6.59	H	256.115 782 58	−28.582 024 23		55.31	83.25	−269.14	0.82	0.51	0.89	0.83	0.57	− 8	−51	+ 7	+ 7	− 5	+ 2	− 2	+14	− 4	+ 4	0	0.66
83542	17 04 27.82	−23 23 25.8	7.08	H	256.115 932 01	−23.390 490 32		5.28	− 1.99	−18.45	1.01	0.57	1.08	1.19	0.63	+ 0	−37	−13	+22	−10	+ 1	− 1	+62	−23	+ 1	0	−0.20
83543	17 04 28.86	+03 44 25.8	11.12	G	256.120 241 78	+03.740 489 63		11.05	−216.19	−155.66	2.27	1.62	2.60	2.58	1.91	+12	−20	−34	+52	+ 2	+ 2	+ 6	+47	−25	−11	0	−0.82
83544	17 04 29.37	−17 29 31.1	7.17	H	256.122 388 13	−17.491 975 35		8.31	19.64	−116.96	0.82	0.51	0.90	0.92	0.56	−13	−30	−15	+ 7	−21	+ 9	−12	+50	−14	−24	0	0.13
83545 H	17 04 29.58	−12 40 33.6	6.91	1 H	256.123 237 55	−12.676 008 82	A	8.16	−45.18	−75.62	1.01	0.68	1.07	0.96	0.67	−37	−32	− 1	+26	−23	+ 6	−18	+60	−20	−38	1	0.38
83546	17 04 30.43	+52 09 41.6	8.59	H	256.126 788 47	+52.161 565 91		14.65	−30.87	48.10	0.71	0.69	0.73	0.81	0.77	+10	− 7	+ 4	+16	+28	+ 6	+ 8	+28	+ 6	− 5	+19	0	0.98
83547	17 04 30.78	−43 18 33.9	7.39	H	256.128 259 25	−43.309 425 98		19.28	111.41	−141.49	1.38	0.83	1.26	1.45	0.91	+14	−50	+ 4	+49	+34	− 2	+33	+71	−13	+14	3	0.58
83548	17 04 30.84	−07 42 15.8	8.24	H	256.128 488 66	−07.704 388 84		4.52	18.00	6.39	1.07	0.66	1.03	1.50	0.80	+ 3	+14	+ 4	+61	+ 6	+25	+ 4	+63	− 6	− 3	0	1.73
83549	17 04 30.85	+27 03 31.8	8.29	G	256.128 551 42	+27.058 843 53		3.91	− 4.40	11.13	0.55	0.70	0.94	0.69	0.82	+18	− 2	− 4	− 8	+ 4	+ 5	+ 3	+ 5	+ 8	+24	3	0.30
83550	17 04 32.01	+62 10 19.9	8.23	H	256.133 367 74	+62.172 205 11		3.98	2.03	−33.98	0.64	0.65	0.69	0.66	0.84	+15	−31	− 5	− 1	+ 0	+15	− 3	+ 6	+10	+19	0	−0.39
83551	17 04 32.20	+31 24 40.9	7.48	H	256.134 166 41	+31.411 360 67		6.60	− 9.53	−20.08	0.50	0.62	0.78	0.54	0.69	+ 6	−23	+ 5	+13	+ 3	−19	+ 6	+ 8	−10	+ 7	0	−0.60
83552	17 04 32.53	+14 46 42.6	9.75	H	256.135 536 77	+14.778 501 21		−0.65	11.75	− 1.34	0.91	0.93	1.54	1.15	1.13	+ 8	−22	− 6	+25	+21	+ 9	+22	+17	+ 6	+35	2	0.41
83553	17 04 33.15	−16 46 10.9	9.49	H	256.138 134 14	−16.769 693 49		6.35	29.80	−11.21	1.53	0.85	1.86	2.01	0.92	−11	−40	−20	+10	−30	+32	−10	+54	−26	−21	0	1.08
83554	17 04 33.20	−72 23 12.8	8.97	G	256.138 346 47	−72.386 895 46		3.58	− 5.32	−23.29	0.63	0.87	1.18	0.63	0.96	+13	− 9	+ 3	−19	−13	−21	−10	+ 9	+ 3	− 1	1	−1.22
83555	17 04 33.35	−11 05 18.4	6.91	H	256.138 953 55	−11.088 456 44		3.52	−15.82	−15.25	0.89	0.52	0.98	1.06	0.60	−10	−21	+ 1	+50	+ 3	+ 8	+ 6	+62	−19	−12	0	0.79
83556	17 04 33.70	−68 16 43.1	6.47	2 H	256.140 434 78	−68.278 642 98		2.60	− 7.94	−21.06	0.34	0.45	0.63	0.48	0.54	+ 7	− 5	− 4	+13	+ 1	+13	+ 1	+21	+ 9	+ 9	0	1.48
83557	17 04 34.26	−60 52 14.8	8.26	H	256.142 735 03	−60.870 769 40		2.67	− 3.07	−17.97	0.77	0.62	1.08	0.82	0.68	− 2	+ 7	− 4	−43	−16	+ 0	−19	−10	+ 4	+ 5	0	0.48
83558	17 04 35.84	−53 36 14.5	8.87	H	256.149 351 62	−53.604 028 95		7.53	9.80	8.57	1.00	0.86	1.20	1.27	1.00	−33	−11	−21	+ 2	+ 2	− 1	+ 3	+ 8	− 9	−54	0	0.10
83559	17 04 35.98	−37 59 31.0	8.14	H	256.149 900 54	−37.991 948 31		3.01	− 3.93	− 5.34	1.06	0.63	1.23	1.24	0.70	−14	−22	−13	+ 4	+ 8	−10	+ 9	+51	−29	− 9	0	0.76
83560	17 04 36.03	−14 34 15.9	9.10	1 H	256.150 141 49	−14.571 075 77		2.50	− 9.62	− 8.70	1.24	0.79	1.47	1.44	0.86	−25	−16	−26	+21	−28	+22	−15	+54	−40	−36	0	0.78
83561	17 04 36.37	−37 54 27.1	9.02	G	256.151 557 19	−37.907 521 91		1.24	− 1.99	− 4.98	1.28	0.78	1.41	1.48	0.85	−25	−20	− 3	+ 8	− 1	−10	+ 0	+57	−22	−19	0	−0.37
83562	17 04 39.18	−59 52 54.0	9.15	H	256.163 243 94	−59.881 667 60		13.34	6.55	−27.48	0.84	0.82	1.37	1.04	0.98	+ 0	−25	− 6	− 4	+18	+26	+19	+18	−12	+11	0	1.33
83563	17 04 39.70	+49 44 26.5	9.82	H	256.165 398 04	+49.740 680 96		4.22	0.60	4.68	0.90	0.95	1.01	1.05	1.05	+ 3	− 5	− 3	+23	+20	−16	+20	+20	−20	+ 9	0	0.77
83564	17 04 40.65	+15 44 45.9	9.39	H	256.169 369 98	+15.746 081 20		3.02	− 5.59	11.05	1.00	0.89	1.52	1.21	1.06	+21	−15	− 2	+27	+31	+18	+34	+26	− 7	+44	0	−0.71
83565 H	17 04 41.34	+19 35 56.8	6.19	G	256.172 241 25	+19.599 101 93	A	5.43	13.60	1.44	0.60	0.59	0.79	0.66	0.65	−10	−10	−22	− 1	+33	− 4	+25	+24	−26	+35	1	−0.35
83566	17 04 43.53	−25 38 42.5	6.60	G	256.181 371 04	−25.645 142 24		11.37	−14.74	−87.08	0.87	0.56	0.97	1.15	0.63	−11	−23	− 8	+ 3	−20	−16	−11	+62	−20	−14	0	−0.87
83567	17 04 45.33	−20 29 40.7	6.29	H	256.188 872 55	−20.494 643 39		8.21	− 5.42	−24.64	0.73	0.45	0.76	0.98	0.51	−10	−23	−12	+24	−22	+ 1	−15	+62	−15	−14	0	1.11
83568	17 04 45.80	+28 05 27.7	7.24	2 H	256.190 817 48	+28.091 037 65	A	7.60	5.74	6.56	0.81	1.00	1.25	0.91	1.23	− 5	− 9	− 8	−10	+ 0	−16	+ 1	− 6	−25	−12	3	1.66
83569	17 04 46.30	−31 21 46.1	7.35	H	256.192 920 19	−31.362 800 09		−1.14	0.06	− 1.17	0.87	0.56	0.97	0.99	0.62	+ 3	−31	−24	+ 3	− 5	−22	− 4	+26	+ 1	−29	0	1.33
83570	17 04 46.67	−50 04 16.9	8.07	G	256.194 462 75	−50.071 357 92		5.05	8.89	−11.96	0.85	0.75	0.99	1.14	0.89	− 9	−17	−12	+24	+ 1	− 9	− 2	+55	−18	+ 3	0	0.90
83571	17 04 47.43	+29 40 30.2	8.01	H	256.197 630 80	+29.675 052 24		3.38	3.19	−12.29	0.53	0.68	0.85	0.62	0.90	− 4	−19	+ 3	+ 8	− 2	− 9	+ 0	+14	− 5	−14	0	−0.62
83572	17 04 48.26	−17 57 27.0	7.82	H	256.201 090 55	−17.957 495 56		6.03	15.57	−14.46	0.87	0.57	0.96	0.96	0.62	−23	−30	−20	+17	−30	+ 4	−20	+59	−18	−38	0	−0.81
83573	17 04 48.68	−38 06 26.2	8.35	H	256.202 850 11	−38.107 282 72		1.19	− 3.81	− 4.91	1.06	0.65	1.18	1.23	0.74	−15	−24	−14	+12	+ 0	− 4	+ 5	+57	−27	−18	0	0.14
83574	17 04 49.35	−34 07 22.5	4.83	2 H	256.205 629 45	−34.122 922 47		1.22	1.98	− 3.20	0.80	0.57	0.87	0.80	0.62	−32	−40	− 7	+16	−48	−13	−28	+58	−15	−57	2	−0.56
83575	17 04 49.75	+48 48 14.9	6.11	G	256.207 277 78	+48.804 131 79	+	9.87	26.77	−71.48	0.58	0.61	0.54	0.52	0.56	+ 6	− 4	− 6	−10	+12	−17	+ 9	− 8	− 9	+ 0	1	−1.18
83576	17 04 50.66	−81 05 10.5	7.81	H	256.211 065 25	−81.086 240 62		2.65	− 2.34	− 5.97	0.57	0.65	0.75	0.61	0.74	−18	−27	+12	+ 0	−14	− 9	−11	− 8	− 8	−25	0	−0.02
83577	17 04 50.81	−15 55 59.0	9.58	H	256.211 699 46	−15.933 047 48		4.78	4.82	−25.84	1.58	0.95	1.89	1.90	1.06	+ 2	−31	−37	+24	−22	+21	− 1	+58	−35	−29	0	−0.59
83578	17 04 52.76	−27 22 59.2	8.90	H	256.219 838 04	−27.383 102 69		13.19	−68.71	−38.53	1.24	0.77	1.37	1.47	0.91	−19	−21	− 3	− 9	−24	−20	− 6	+48	−13	−41	0	1.50
83579	17 04 53.07	+03 46 18.2	8.14	H	256.221 108 34	+03.771 711 67		5.67	− 7.57	8.72	1.10	0.72	1.09	1.19	0.83	+21	−27	−20	+65	+11	+ 6	+14	+57	−22	− 6	0	1.18
83580	17 04 55.95	+22 23 32.4	8.99	H	256.233 125 14	+22.392 336 46		3.41	−13.33	−13.07	0.82	0.97	1.46	1.54	1.47	+22	−15	−19	+25	+19	−23	+17	+35	−21	+12	0	−0.19
83581	17 04 56.29	−31 22 21.6	8.52	H	256.234 552 91	−31.372 655 75		7.35	−23.27	−24.05	1.09	0.65	1.17	1.19	0.71	+12	−35	−22	+ 5	− 1	−18	+ 5	+34	− 3	−20	0	−1.58
83582	17 04 56.99	−12 12 05.2	10.51	3 H	256.237 446 80	−12.201 432 35		−0.32	− 4.61	−15.24	2.23	1.53	2.65	2.44	1.66	−37	−48	+47	+24	+16	+16	+ 6	+52	+ 5	−16	0	0.29
83583	17 04 58.41	−38 37 06.0	8.87	2 G	256.243 395 39	−38.618 333 28		0.36	− 4.16	− 8.50	1.19	0.67	1.41	1.22	0.74	−20	−27	− 8	+16	− 3	+ 0	+ 7	+50	−38	−20	0	−1.48
*83584	17 04 59.87	+39 09 52.2	9.66	2 H	256.249 443 91	+39.164 500 16		−0.93	−12.76	17.15	0.85	0.99	1.15	0.87	1.21	+ 7	+ 9	− 7	−14	+ 1	−20	+ 2	+ 0	− 8	−12	6	3.04
*83585	17 04 59.81	−64 03 29.3	9.53	H	256.249 202 74	−64.058 139 82		10.67	−86.84	7.41	0.83	0.74	1.45	0.97	0.84	+11	−15	+ 0	− 3	−28	+24	−27	+17	+14	− 2	0	−0.04
83586	17 05 01.27	+23 21 23.0	9.99	H	256.255 308 10	+23.356 385 81		2.81	− 9.11	−39.03	1.03	1.23	1.77	1.18	1.60	+ 9	− 1	−14	−46	−12	− 5	− 8	+23	−21	+ 3	0	1.30
83587	17 05 02.27	−46 58 17.1	7.54	H	256.259 448 73	−46.971 415 22		3.94	−14.28	−32.73	0.79	0.56	0.90	0.84	0.58	−16	−26	−14	+16	− 1	+ 0	+ 3	+35	−20	−16	0	−2.10
83588	17 05 03.14	−15 16 01.1	8.73	1 H	256.263 080 32	−15.266 976 67		3.02	− 2.62	− 3.73	1.07	0.71	1.27	1.13	0.77	−22	−27	−30	+14	−33	+19	−13	+55	−38	−45	0	1.54
83589	17 05 03.82	+56 32 14.5	7.90	H	256.265 896 35	+56.537 365 76		3.93	7.57	− 6.49	0.60	0.64	0.65	0.79	0.83	+ 9	− 2	− 5	+ 3	+ 0	+10	+ 2	+27	+ 1	+ 7	0	−0.14
83590 H	17 05 03.86	+13 53 20.7	8.89	H	256.266 098 92	+13.889 086 14	*	2.68	− 7.44	−10.66	0.79	0.76	1.20	0.86	0.88	+11	−27	−17	+13	+14	+ 4	+13	+14	+ 8	+14	1	−0.16
83591	17 05 03.93	−05 03 49.5	7.70	G	256.266 379 34	−05.063 741 90		92.98	−916.86	−1137.91	0.92	0.59	1.04	1.18	0.71	−18	−32	+ 4	+19	−13	+13	− 7	+37	−20	−15	0	0.79
83592	17 05 04.13	−29 43 13.0	8.61	H	256.267 218 13	−29.720 282 17		2.46	− 4.45	− 8.83	1.06	0.71	1.19	1.07	0.77	−21	−25	−15	+21	−40	+ 4	−26	+52	−33	−33	0	1.81
83593	17 05 04.94	+43 48 44.1	6.45	H	256.270 585 05	+43.812 238 85		6.94	3.30	− 0.11	0.52	0.52	0.60	0.66	0.57	− 1	− 5	+ 2	− 22	+ 8	− 22	+ 4	+ 0	− 7	+16	1	−0.89
83594	17 05 05.39	−45 30 07.4	6.28	H	256.272 461 59	−45.502 043 13		10.22	−27.02	−34.53	0.78	0.54	0.85	0.98	0.57	+16	−15	+11	+44	+40	+29	+34	+60	+ 0	+26	0	−0.57
83595	17 05 05.50	+46 58 01.9	8.24	H	256.272 910 37	+46.967 187 64	A	5.93	−17.95	−15.96	1.14	1.23	1.18	1.24	1.33	+29	+ 0	− 7	+13	+ 1	+ 0	+ 5	+29	+ 4	+17	1	0.89
83596	17 05 08.60	+11 18 06.5	8.89	H	256.285 840 31	+11.301 794 75		2.87	6.15	−25.59	1.01	0.79	1.25	1.04	0.89	+13	−32	−11	+32	+32	− 2	+31	+15	+ 3	+20	0	−0.83
83597	17 05 09.06	−22 00 28.5	10.06	G	256.287 754 87	−22.007 922 70		7.15	10.55	−14.50	1.97	0.84	1.82	2.25	0.87	+33	−16	− 1	−47	−46	−24	−22	+31	−30	+16	4	−0.10

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
83501	9.054	0.013	7.929	0.009	*	0.969	0.012	T	0.95	0.01	L *	7.9833	0.0012	0.011	123	*	7.96	8.00		D	17039+5313	I 1	2 C A	AC	351	0.303	0.014	2.45	0.15	S
83502	10.269	0.026	9.074	0.016		1.023	0.024	T	1.00	0.02	L	9.1194	0.0022	0.020	143		9.09	9.17					1						
83503	10.765	0.052	9.970	0.041		0.721	0.051	T	0.77	0.04	L	10.0823	0.0020	0.024	101		10.03	10.13					1						
83504	7.404	0.006	6.174	0.003		1.050	0.005	T	1.02	0.00	L	6.2234	0.0008	0.007	101		6.21	6.23			17038+1335	I 2	1						S
83505	7.797	0.010	7.740	0.011		0.057	0.014	T	0.07	0.01	L	7.7584	0.0011	0.010	58		7.75	7.77		C			1						
83506	8.741	0.037	8.612	0.046	B	0.070	0.015	G	0.08	0.02	H	8.8572	0.0705			B				D	17040−5105	I 3	1 C I B						
83507	9.848	0.021	9.139	0.018		0.653	0.022	T	0.72	0.02	L	9.1770	0.0028	0.023	108		9.14	9.22					1 G						
83508	6.546	0.006	6.642	0.007		−0.083	0.015	G	−0.06	0.02	H	6.6334	0.0008	0.006	54		6.62	6.66		M			1						S
83509	8.321	0.022	8.304	0.028	A	0.060	0.015	G	0.07	0.01	H	8.2126	0.0465	0.171	83	A	8.05	8.52		D	17040−5105	I 3	1 C P B						
83510	10.391	0.035	8.225	0.011		1.790	0.029	T	1.82	0.03	L	8.0932	0.0020	0.015	81		8.07	8.11					1						
83511	8.377	0.013	7.806	0.014		0.538	0.015	G	0.61	0.02	H	7.8610	0.0012	0.009	61		7.84	7.88		D			1						S
83512	10.389	0.033	8.999	0.017		1.176	0.029	T	1.14	0.03	L	9.0754	0.0018	0.020	100		9.04	9.11					1						
83513	11.453	0.231	11.642	0.527							T	11.2911	0.0170	0.242	79		10.66	11.49		D	17040−5105	I 3	1 X S						
83514	9.546	0.021	8.610	0.016		0.826	0.015	G	0.85	0.01	H	8.6600	0.0018	0.011	83		8.64	8.68		C			1						
83515	12.100	0.181	11.182	0.129		0.699	0.020	G	0.76	0.02	H	11.0691	0.0070	0.045	70		10.99	11.16		U			1 X S						G G
83516	10.514	0.037	8.375	0.012		1.809	0.032	T	2.60	0.05	O	8.1533	0.0025	0.024	98		8.11	8.18		U 2			1 S						
83517	8.356	0.011	7.896	0.009		0.447	0.011	T	0.52	0.01	L	7.9402	0.0010	0.012	116		7.92	7.96					1						S
83518	11.388	0.072	9.475	0.024		1.622	0.063	T	2.03	0.14	O	9.3535	0.0037	0.030	111		9.30	9.41		U			1						
83519	10.282	0.028	8.465	0.012		1.512	0.024	T	1.54	0.04	L	8.4065	0.0026	0.021	113		8.37	8.44					1						
83520	9.704	0.017	9.094	0.015		0.568	0.020	T	0.64	0.02	L	9.1569	0.0022	0.021	135		9.12	9.19					1						
83521	9.284	0.016	8.041	0.010		1.061	0.015	T	1.03	0.01	L	8.0784	0.0013	0.013	96		8.06	8.10					1						S
83522	10.578	0.053	9.788	0.043		0.701	0.052	T	0.76	0.04	L	9.8027	0.0032	0.023	64		9.75	9.85		C			1						G
83523	10.986	0.077	10.427	0.080		0.486	0.015	G	0.56	0.02	H	10.4575	0.0032	0.029	73		10.39	10.51		C			1 S						G
83524	9.815	0.025	9.687	0.034	*	0.147	0.004	G	0.16	0.00	H *	9.6856	0.0042	0.023	73	*	9.63	9.71			17042−4919	H 1	2 C B	AB	208	0.246	0.038	1.97	0.60	G
83525	10.276	0.024	9.075	0.015		1.028	0.022	T	1.00	0.02	L	9.1630	0.0028	0.024	145		9.13	9.21					1						
83526	10.999	0.047	9.430	0.021		1.316	0.041	T	1.28	0.05	L	9.4346	0.0023	0.020	97		9.40	9.47		C			1						
83527	9.472	0.021	8.903	0.020		0.536	0.021	T	0.61	0.02	L	8.9090	0.0014	0.015	92		8.88	8.94		C			1						
83528	9.308	0.013	7.863	0.008		1.210	0.015	G	1.17	0.01	H	7.9022	0.0013	0.012	131		7.88	7.92		C			1						S
83529	9.204	0.018	7.794	0.011		1.210	0.015	G	1.17	0.02	A	7.8063	0.0011	0.010	79		7.79	7.82					1						
83530	10.455	0.045	10.102	0.054	A	0.560	0.016	G	0.63	0.01	R *	9.8930	0.0023	0.021	76	*	9.87	9.95			17043−5152	I 1	2 C A	AB	258	5.554	0.037	2.50	0.11	G
83531	10.216	0.024	8.474	0.011		1.453	0.021	T	1.46	0.03	L	8.4619	0.0020	0.018	139		8.43	8.50					1						
83532	8.723	0.012	8.306	0.012		0.417	0.015	G	0.48	0.02	H	8.3520	0.0011	0.012	102		8.33	8.37					1						S
83533	8.756	0.009	8.718	0.011		0.035	0.013	T	0.05	0.01	L	8.7653	0.0014	0.019	171		8.73	8.80		C			1						
83534	8.404	0.007	8.376	0.009		0.026	0.010	T	0.04	0.01	L	8.4020	0.0013	0.016	169		8.37	8.44					1						
83535	5.605	0.002	5.717	0.003		−0.097	0.003	T	−0.08	0.00	L	5.7056	0.0007	0.007	139		5.70	5.72					1						S
83536	8.501	0.010	8.230	0.010		0.258	0.013	T	0.29	0.02	L	8.2709	0.0014	0.013	116		8.25	8.30		C			1						S
83537	10.192	0.023	8.717	0.012		1.242	0.020	T	1.20	0.02	L	8.7544	0.0022	0.019	143		8.72	8.79					1						
83538	10.200	0.035	9.575	0.031		0.568	0.015	G	0.64	0.01	H	9.6641	0.0021	0.018	89		9.62	9.69		C			1						
83539	8.753	0.011	8.186	0.011		0.561	0.004	G	0.63	0.00	H	8.2519	0.0012	0.012	118		8.23	8.27					1						S
83540	8.646	0.012	7.402	0.008		1.061	0.011	T	1.03	0.01	L	7.4663	0.0015	0.010	89		7.45	7.49					1						S
83541	7.627	0.008	6.676	0.006		0.814	0.034	G	0.82	0.02	A	6.7258	0.0011	0.005	56		6.71	6.74		C			1						S
83542	8.363	0.010	7.188	0.006		1.008	0.009	T	0.98	0.01	L	7.2426	0.0011	0.008	86		7.23	7.26					1						S
83543						0.980	0.015	G	1.02	0.01	I	11.2367	0.0034	0.032	78		11.18	11.29			17045+0344	I 1	1						G
83544	8.555	0.011	7.295	0.007		1.061	0.015	G	1.03	0.01	H	7.3420	0.0009	0.009	95		7.33	7.36					1						S
83545	8.482	0.008	7.075	0.005	A	1.200	0.495	G	1.14	0.01	L *	7.0711	0.0017	0.016	120	*	7.05	7.10		U 2	17045−1241	I 1	2 C B	AB	345	2.055	0.024	4.02	0.11	S
83546	9.341	0.015	8.673	0.013		0.619	0.017	T	0.69	0.01	L	8.7218	0.0023	0.021	118		8.70	8.76					1						S
83547	8.046	0.011	7.435	0.009		0.565	0.011	G	0.64	0.01	L	7.5111	0.0012	0.007	68		7.50	7.53					1						S
83548	8.732	0.013	8.296	0.013		0.412	0.017	T	0.48	0.02	L	8.3357	0.0012	0.013	86		8.31	8.36		C			1						S
83549	8.574	0.009	8.316	0.009		0.240	0.015	G	0.27	0.02	H	8.3631	0.0013	0.014	163		8.34	8.39		C			1						S
83550	9.565	0.018	8.344	0.011		1.043	0.016	T	1.01	0.01	L	8.3970	0.0015	0.013	112		8.37	8.43		C			1						
83551	8.738	0.011	7.594	0.007		0.983	0.010	T	0.96	0.01	L	7.6442	0.0016	0.014	154		7.62	7.67		R			1						S
83552	11.013	0.047	9.828	0.028		1.015	0.043	T	0.99	0.04	L	9.9175	0.0027	0.026	116		9.88	9.97		C			1						
83553	10.089	0.035	9.545	0.035		0.510	0.044	T	0.58	0.05	L	9.5865	0.0032	0.027	73		9.55	9.63					1						
83554	9.222	0.011	8.990	0.013		0.205	0.004	G	0.23	0.01	H	9.0284	0.0019	0.022	188		8.99	9.07					1						
83555	8.882	0.012	7.068	0.006		1.510	0.011	T	1.54	0.02	L	7.0335	0.0009	0.008	124		7.02	7.05		C			1						S
83556	8.546	0.010	6.696	0.005		1.570	0.009	T	2.44	0.02	O	6.4933	0.0027	0.025	191		6.46	6.53		U 2			1 S						S
83557	10.414	0.028	8.472	0.011		1.646	0.025	T	2.25	0.06	O	8.3103	0.0020	0.021	143		8.26	8.34					1						
83558	9.316	0.023	8.920	0.024		0.387	0.028	T	0.45	0.03	L	8.9558	0.0021	0.021	72		8.93	8.98					1						
83559	9.583	0.025	8.273	0.015		1.139	0.014	G	1.10	0.01	H	8.3029	0.0015	0.014	99		8.29	8.32					1						
83560	9.801	0.025	9.181	0.023		0.577	0.030	T	0.65	0.03	L	9.2277	0.0039	0.028	88		9.18	9.26		U			1						
83561	9.071	0.020	9.007	0.025		0.071	0.020	G	0.08	0.02	H	9.0758	0.0018	0.019	94		9.05	9.11					1						G
83562	9.946	0.024	9.200	0.020		0.667	0.024	T	0.73	0.02	L	9.2835	0.0024	0.021	96		9.25	9.32		C			1						
83563	11.231	0.065	9.991	0.037		1.058	0.058	T	1.02	0.05	L	9.9904	0.0027	0.022	106		9.95	10.04					1						
83564	11.147	0.055	9.517	0.022		1.364	0.047	T	1.33	0.06	L	9.5443	0.0025	0.023	107		9.51	9.59		C			1						
83565	6.225	0.003	6.224	0.004	A	0.010	0.026	G	0.03	0.02	H *	6.2070	0.0007	0.006	144	*	6.20	6.22		D	17047+1936	I 1	2 C A	AB	228	1.847	0.009	3.28	0.04	S
83566	6.904	0.005	6.632	0.006		0.264	0.006	G	0.30	0.01	H	6.6682	0.0007	0.007	80		6.65	6.68		C			1						S
83567	6.243	0.003	6.286	0.004		−0.035	0.005	T	−0.01	0.01	L	6.2843	0.0005	0.005	112		6.27	6.29					1						S
83568	8.658	0.009	7.358	0.006	A	1.105	0.009	T	1.07	0.01	L	7.4056	0.0120	0.022	161	A	7.36	7.44		U 2	17048+2805	I 1	2 C D	AB	219	16.240	0.111	4.33	0.61	S D
83569	8.458	0.013	7.469	0.010		0.866	0.012	T	0.88	0.01	L	7.5038	0.0013	0.009	69		7.49	7.52		C			1						S
83570	8.307	0.013	8.115	0.014		0.183	0.015	G	0.20	0.02	H	8.1432	0.0021	0.011	64		8.12	8.16		C			1						
83571	9.748	0.016	8.155	0.008		1.335	0.014	T	1.30	0.02	L	8.1666	0.0013	0.014	158		8.14	8.19		C			1						
83572	8.264	0.012	7.876	0.011		0.367	0.015	T	0.43	0.02	L	7.9071	0.0013	0.011	103		7.89	7.92		C			1						S
83573	8.472	0.011	8.375	0.013		0.095	0.016	T	0.11	0.02	L	8.3917	0.0012	0.015	101		8.37	8.41					1						D
83574	5.105	0.004	4.886	0.004		0.257	0.007	G	0.38	0.02	A	4.9111	0.0026	0.023	78		4.89	4.95		U 2	17048−3407	I 1	1						S
83575	7.514	0.006	6.230	0.004		1.091	0.001	G	1.05	0.00	H	6.2690	0.0008	0.006	105		6.26	6.28		C			1 O						S
83576	8.948	0.012	7.931	0.009		0.887	0.011	T	0.89	0.01	L	7.9672	0.0015	0.016	136		7.94	8.00					1						S
83577	10.535	0.046	9.746	0.037		0.700	0.045	T	0.76	0.04	L	9.7210	0.0022	0.020	74		9.70	9.75		C			1						G
83578	9.677	0.029	9.010	0.026		0.608	0.029	T	0.68	0.03	L	9.0275	0.0029	0.019	73		9.00	9.07					1						
83579	8.331	0.012	8.166	0.014		0.158	0.017	T	0.17	0.02	L	8.1967	0.0020	0.014	86		8.18	8.22		C			1						S
83580	10.328	0.025	9.057	0.014		1.082	0.022	T	1.04	0.02	L	9.1607	0.0026	0.027	146		9.12	9.21					1						
83581	9.536	0.025	8.576	0.019		0.831	0.024	T	0.85	0.02	L	8.6601	0.0022	0.011	70		8.63	8.68		C			1						
83582						1.500	0.510	G	2.50	0.72	K	10.5267	0.0164	0.902	104		9.79	12.52	116.76	P 1 B			1						D P
83583	8.916	0.013	8.914	0.017		0.112	0.015	G	0.13	0.01	H	8.8826	0.0018	0.019	105		8.85	8.91		U 2			1						
83584	11.736	0.106	9.953	0.033		1.515	0.091	T	1.71	0.17	K	9.7673	0.0132	0.117	110		9.61	10.03		U 2			1 S						
83585	10.275	0.023	9.558	0.019		0.645	0.023	T	0.71	0.02	L	9.6673	0.0023	0.023	183		9.61	9.71		C			1						
83586	11.449	0.063	10.062	0.028		1.173	0.054	T	1.13	0.05	L	10.1600	0.0029	0.034	177		10.10	10.22					1						
83587	7.513	0.007	7.535	0.013		−0.014	0.005	G	0.01	0.01	H	7.5465	0.0014	0.010	83		7.53	7.57					1						S
83588	11.036	0.064	8.959	0.019		1.719	0.053	T	1.74	0.05	L	8.8341	0.0022	0.017	96		8.79	8.86		U			1 S						
83589	9.455	0.017	8.033	0.010		1.201	0.015	T	1.16	0.01	L	8.0672	0.0014	0.013	104		8.05	8.09		C			1						S
83590	9.924	0.023	9.011	0.017	*	0.810	0.022	T	0.84	0.02	L *	9.0449	0.0016	0.021	121	*	9.02	9.10			17051+1353	H 1	2 C S C	AB	200	0.147	0.037	1.44	0.77	
83591	9.209	0.017	7.879	0.010		1.100	0.001	G	1.36	0.02	A	7.8332	0.0013	0.011	70		7.82	7.87			17051−0504	I 2	1						
83592	10.128	0.036	8.734	0.020		1.179	0.032	T	1.14	0.03	L	8.7728	0.0017	0.017	69		8.75	8.80		C			1						
83593	6.567	0.004	6.461	0.004		0.099	0.004	G	0.11	0.00	H	6.4898	0.0006	0.005	107		6.48	6.50		D			1						S
83594	6.377	0.005	6.295	0.005		0.074	0.006	T	0.09	0.01	L	6.3081	0.0009	0.007	87		6.30	6.32					1						S
83595	9.842	0.022	8.360	0.012	A	1.200	0.015	G	1.16	0.01	H	8.4060	0.0073	0.017	107	A	8.37	8.44		C	17051+4658	I 1	2 C A	AB	82	10.594	0.031	2.97	0.12	
83596	10.222	0.031	9.020	0.019		1.029	0.028	T	1.00	0.02	L	9.0593	0.0016	0.018	99		9.03	9.11					1						
83597	10.864	0.045	10.150	0.039		0.660	0.020	G	0.72	0.02	H	10.1803	0.0024	0.019	99		10.14	10.21					1						G
83598	9.091	0.015	8.538	0.015	*	0.524	0.016	T	0.60	0.02	L *	8.5623	0.0022	0.014	95	*	8.54	8.59		D	17052−4114	I 1	2 C A	AB	253	0.612	0.005	0.70	0.03	
83599						1.476	0.033	G	1.93	0.19	I	10.1272	0.0045	0.025	66		10.07	10.16			17051−0504	I 2	1 X						G G
83600	9.622	0.021	8.371	0.013		1.067	0.019	T	1.03	0.02	L	8.4112	0.0013	0.010	121		8.39	8.43		C			1						

Number HIP 1 2	Descriptor: epoch J1991.25 RA h m s 3	Dec ±° ′ ″ 4	V mag 5	6 7	Position: epoch J1991.25 α (ICRS) deg 8	δ deg 9	10	Par. π mas 11	Proper Motion $\mu_{\alpha*}$ mas/yr 12	μ_δ 13	Standard Errors α* mas 14	δ 15	π mas 16	$\mu_{\alpha*}$ mas/yr 17	μ_δ 18	Astrometric Correlations (%) 19	20	21	22	23	24	25	26	27	28	Soln F1 % 29	F2 30
83601	17 05 16.83	+00 42 12.1	6.00	H	256.320 118 31	+00.703 373 61		49.06	−15.67	−335.11	0.84	0.53	0.89	1.17	0.69	− 1	−16	−14	+41	+ 7	+13	+ 7	+32	− 2	−12	0	0.02
83602	17 05 18.65	−46 09 07.1	9.20	G	256.327 690 04	−46.151 973 59		2.75	−1.72	−4.25	1.38	0.92	1.52	1.57	1.03	+21	−38	− 4	+41	+36	+19	+38	+62	−18	+30	0	2.31
83603	17 05 18.88	−47 04 08.5	7.08	1 H	256.328 662 92	−47.069 028 76		−0.99	1.49	−4.19	0.74	0.53	0.86	0.80	0.55	−18	−24	−14	+10	+ 2	+ 0	+ 5	+30	−19	−16	0	−0.91
83604	17 05 19.48	+26 56 09.9	10.00	H	256.331 184 26	+26.936 083 68		6.28	−245.65	114.48	0.88	1.25	1.55	1.11	1.50	+11	−20	− 3	+10	+10	+ 4	+ 8	+18	+ 3	+18	3	0.88
83605	17 05 19.77	−09 37 48.9	9.14	H	256.332 361 72	−09.630 242 95		−0.59	6.47	−8.52	1.26	0.76	1.24	1.46	0.87	− 5	−33	+ 0	+54	+ 1	− 5	+ 4	+62	−11	− 6	0	1.23
83606	17 05 19.81	+16 48 42.6	8.52	H	256.332 553 23	+16.811 833 78		0.11	2.30	13.52	0.92	0.84	1.30	1.32	1.12	+17	−24	+ 2	+ 8	+15	−15	+14	+22	−26	+53	0	1.30
83607	17 05 20.10	−41 06 16.7	8.05	H	256.333 740 82	−41.104 633 70		4.11	−6.32	12.86	1.07	0.69	1.14	1.13	0.77	−19	−37	− 5	+23	− 9	+ 7	+ 4	+60	−24	−32	4	−1.19
83608 H	17 05 20.18	+54 28 11.5	4.91	H	256.334 092 80	+54.469 863 08	A	37.08	−66.00	73.86	1.08	1.03	0.89	0.98	1.03	−22	−12	+ 5	+67	−20	+ 4	−21	+68	+ 3	−35	21	2.77
83609	17 05 20.69	−33 46 01.3	9.25	H	256.336 189 40	−33.767 014 85	B	19.22	136.68	−141.19	62.84	33.09	2.10	2.38	1.59	− 4	− 2	− 1	+ 1	− 1	−13	+ 0	+ 3	−21	−33	0	0.92
83610	17 05 21.10	+52 11 38.2	8.60	H	256.337 915 34	+52.193 934 71		11.92	−0.93	−18.46	0.69	0.72	0.73	0.80	0.80	+10	− 6	+15	+18	+28	+ 6	+26	+17	+ 2	+21	0	−0.81
83611	17 05 22.04	−44 23 34.4	8.03	H	256.341 812 76	−44.392 893 65		5.68	−7.80	−22.63	1.17	0.72	1.27	1.17	0.79	−17	−47	− 5	+32	− 3	+ 9	+ 9	+58	−25	−27	0	−0.68
83612	17 05 22.37	−33 46 12.0	8.38	G	256.343 190 74	−33.770 012 90	A	19.22	136.68	−141.19	2.40	1.58	2.10	2.38	1.59	−14	−41	−22	+15	−18	−13	− 6	+57	−21	−33	0	0.92
*83613	17 05 22.66	+12 44 27.1	4.89	H	256.344 417 53	+12.740 854 69		22.68	50.63	−11.02	0.58	0.48	0.72	0.62	0.60	+18	−40	−12	+30	+22	− 9	+21	+12	+ 4	+27	0	0.54
*83614	17 05 22.62	+08 23 02.7	8.81	H	256.344 258 83	+08.384 089 08		4.43	−17.32	−26.97	1.30	0.84	1.24	1.27	0.99	+53	−29	− 6	+61	+63	− 2	+63	+47	+ 3	+56	2	1.40
*83615	17 05 22.60	−25 28 38.9	8.23	1 G	256.344 149 10	−25.477 471 62		3.71	−12.29	−13.14	1.15	0.69	1.21	1.62	0.80	+11	−38	−16	+19	+ 0	−14	+ 6	+71	−24	+13	0	−0.07
83616	17 05 23.13	+52 21 12.0	9.12	H	256.346 377 05	+52.353 344 46		3.94	0.38	−18.19	0.77	0.78	0.82	0.89	0.90	+ 8	−13	+10	+14	+20	− 5	+21	+12	+ 1	+16	0	−1.87
83617	17 05 23.26	+14 52 15.2	9.11	H	256.346 929 61	+14.870 878 87		0.60	0.85	−3.42	0.89	0.86	1.49	1.06	0.98	+ 3	−29	+ 8	+20	+25	+11	+25	+19	− 6	+37	0	0.83
*83618 H	17 05 23.46	−58 04 35.8	7.98	2 G	256.347 762 23	−58.076 606 14	A	0.93	−0.92	1.60	1.51	1.42	1.95	1.60	1.53	+16	− 6	− 6	− 9	+11	+18	+ 8	+19	− 1	+25	0	2.98
*83619	17 05 23.44	+03 26 19.0	7.31	H	256.347 659 58	+03.438 607 91		4.98	12.35	1.10	0.82	0.60	0.92	1.01	0.70	−13	− 7	−24	+48	−20	+27	−12	+55	−20	−24	0	1.22
83620	17 05 23.75	+06 24 09.6	10.05	H	256.348 961 91	+06.402 671 32		11.01	−0.42	67.04	1.53	1.07	1.96	2.00	1.26	+15	−32	− 6	+18	+36	− 9	+35	+14	−16	+37	0	−0.21
83621	17 05 24.15	−47 42 03.6	9.26	H	256.350 605 71	−47.701 000 64		8.27	−4.21	−10.45	1.27	0.87	1.45	1.54	0.93	−15	−17	−33	+ 1	+ 7	−12	+ 8	+33	−19	−25	0	−0.84
83622	17 05 24.70	+60 35 03.9	7.96	H	256.352 935 62	+60.584 427 65		3.35	−4.57	26.87	0.61	0.65	0.70	0.78	0.84	− 1	− 6	−30	−24	+15	−22	+ 4	−11	+26	+ 7	0	−0.05
83623	17 05 25.78	+46 21 20.8	7.34	H	256.357 413 48	+46.355 779 10		6.78	−23.65	13.84	0.56	0.53	0.60	0.66	0.61	+14	− 7	− 3	− 9	+11	+15	+ 9	+ 2	+11	+27	0	0.78
83624	17 05 26.32	+12 18 37.1	8.60	H	256.359 685 91	+12.310 306 18		−0.09	−7.63	6.24	1.31	1.01	1.31	1.50	1.37	+53	− 9	−13	+63	+53	+ 7	+56	+50	+ 7	+51	0	0.17
83625	17 05 26.52	−35 04 45.9	8.86	H	256.360 509 49	−35.079 429 65		0.76	1.13	−3.04	1.23	0.78	1.37	1.27	0.89	−27	−43	+ 3	− 1	−33	− 5	−12	+58	−21	−41	0	−0.31
83626	17 05 27.15	+18 47 45.2	9.51	H	256.363 129 76	+18.795 879 57		3.88	−8.55	12.30	0.86	0.95	1.38	1.27	1.22	−26	+ 1	+17	+29	+24	+19	+20	+28	− 3	+17	0	0.66
83627	17 05 28.39	+12 29 32.5	8.46	H	256.368 274 78	+12.492 350 80		4.83	34.77	15.03	1.01	0.82	1.20	1.12	1.09	+31	−24	− 6	+48	+33	− 1	+35	+32	+ 4	+37	0	1.57
83628	17 05 29.50	−62 39 03.7	8.85	H	256.372 900 58	−62.651 032 40		3.78	6.02	−12.96	0.70	0.59	1.14	0.84	0.66	+14	−25	−21	+ 1	−43	+31	−32	+28	− 6	−14	0	1.42
83629	17 05 30.31	−22 04 21.8	7.05	G	256.376 281 20	−22.072 719 90		3.77	−5.15	−14.38	0.97	0.50	0.99	1.13	0.53	+18	+12	+ 8	−42	−49	−40	−29	+42	−30	− 2	0	−0.73
83630	17 05 30.31	+31 01 52.3	9.02	H	256.376 310 80	+31.031 206 11		20.76	18.64	184.71	0.77	0.96	1.19	0.83	1.16	+10	−22	−10	−18	− 1	+ 2	− 2	+ 6	+ 3	+12	0	0.13
83631	17 05 30.34	+28 05 16.8	8.49	H	256.376 406 10	+28.088 011 94		4.63	−3.44	−8.50	0.60	0.82	1.07	0.74	1.06	+ 4	− 5	−16	−14	− 8	−13	− 7	+ 5	−24	− 4	2	1.46
83632	17 05 31.58	+02 16 44.7	9.73	3 H	256.381 570 16	+02.279 083 26		4.12	−3.62	3.49	1.58	1.21	1.89	2.17	1.63	−36	−21	− 2	+39	−23	− 4	−18	+48	−18	−44	0	−0.36
83633	17 05 31.84	+02 50 00.5	8.99	H	256.382 666 00	+02.833 485 39		6.94	4.01	5.17	1.22	0.83	1.26	1.42	0.97	−14	−14	− 9	+55	−13	+12	−10	+51	−19	−27	0	0.55
83634 H	17 05 32.04	+10 32 47.3	8.26	2 G	256.383 498 72	+10.546 468 45	A	4.12	−8.63	0.13	1.64	1.19	1.75	1.58	1.11	+ 5	−32	+13	+47	+27	−12	+37	+11	− 7	+44	2	0.54
83635	17 05 32.26	−00 53 31.4	5.63	1 H	256.384 403 49	−00.892 065 40		4.26	4.34	−1.91	0.74	0.50	0.96	0.84	0.59	−18	−29	−25	+11	+ 6	−29	+ 2	+24	− 9	−27	0	1.46
83636	17 05 32.96	+10 59 41.3	8.65	H	256.387 352 06	+10.994 812 06		3.11	8.51	4.94	1.03	0.80	1.24	1.07	0.89	+17	−13	+ 3	+45	+40	+ 9	+40	+ 3	+24	+30	0	−0.22
83637	17 05 33.91	−24 28 44.8	9.52	G	256.391 311 36	−24.479 118 91		2.28	−3.66	−7.63	1.37	0.82	1.46	1.72	0.89	+ 1	−14	−21	+ 5	−29	+12	−11	+67	−31	−19	0	0.25
83638	17 05 34.72	+03 46 03.0	7.40	2 H	256.394 674 52	+03.767 511 72		1.22	1.91	−10.97	0.83	0.63	0.95	0.96	0.75	− 9	−14	−20	+47	−13	+17	− 7	+54	−19	−23	0	0.90
83639	17 05 35.81	+26 27 39.0	8.09	H	256.399 194 28	+26.460 836 02		5.82	−15.26	2.63	0.51	0.66	0.86	0.59	0.78	+ 2	−15	− 7	−14	+10	− 7	+ 9	+14	− 3	+ 4	0	1.09
83640	17 05 37.60	+29 37 23.4	7.36	H	256.406 663 96	+29.623 180 26		6.38	−15.05	9.70	0.45	0.63	0.70	0.53	0.74	−13	−13	+ 0	+10	−11	− 5	− 9	+21	+ 3	−13	0	−0.85
83641	17 05 38.25	−57 04 59.4	8.88	H	256.409 361 91	−57.083 153 72		3.74	−6.31	−19.26	0.73	0.73	1.16	1.05	0.95	−35	− 7	− 6	+ 1	−11	+10	− 8	+ 8	− 9	−45	0	2.77
83642	17 05 40.79	+56 08 06.5	7.10	H	256.419 957 52	+56.135 132 82		6.24	−68.62	63.99	0.57	0.55	0.59	0.65	0.66	+ 3	− 1	+ 2	−30	+ 6	+ 7	+ 2	+13	+18	+14	0	−0.96
83643	17 05 41.89	+25 30 25.2	8.02	G	256.424 553 36	+25.507 000 43		2.20	−10.56	7.19	0.46	0.69	0.95	0.57	0.87	+ 7	− 7	− 8	−14	+ 3	−10	+ 4	+ 3	−13	+ 4	2	1.64
83644	17 05 42.78	+21 01 55.7	9.07	H	256.428 240 54	+21.032 135 27		4.29	−2.49	19.75	1.00	0.89	1.33	1.11	1.18	+10	−23	+ 2	+31	+33	+ 5	+42	+17	−13	+41	3	0.81
83645	17 05 43.81	+54 19 42.3	9.65	H	256.432 557 14	+54.328 409 41		5.37	7.37	−23.32	0.89	0.84	0.93	0.92	0.94	+ 6	− 5	+22	+10	+17	+21	+15	+24	+ 2	+ 4	0	−0.51
83646	17 05 45.86	−36 32 48.7	8.82	H	256.441 096 82	−36.546 858 84		14.92	15.37	−16.87	1.12	0.79	1.24	1.30	0.90	−24	−15	−27	+23	−29	+19	−14	+68	−34	−44	0	0.34
83647	17 05 47.45	+19 00 31.7	10.29	H	256.447 705 71	+19.008 806 13		−0.34	−3.38	6.35	2.29	2.57	3.89	3.51	3.54	−12	− 4	− 2	+10	+37	+ 0	+27	+26	− 2	+39	1	
83648	17 05 47.54	+53 45 02.6	8.28	H	256.448 098 33	+53.750 730 75		11.64	36.07	89.53	0.62	0.65	0.67	0.62	0.70	+ 6	+ 9	+22	+21	+12	+ 2	+13	+31	+ 9	+ 2	0	1.16
83649	17 05 48.36	−18 06 58.0	7.87	H	256.451 494 43	−18.116 120 49		1.24	−0.65	−7.48	0.89	0.52	1.02	0.94	0.55	+ 1	−39	−29	+16	−10	+ 1	+ 1	+46	−17	−24	0	−1.42
83650	17 05 48.47	−44 06 18.4	6.18	H	256.451 938 81	−44.105 102 66		15.16	11.40	25.04	1.04	0.57	1.11	0.90	0.61	−20	−62	+ 0	+31	− 2	− 5	+11	+55	−21	−26	0	0.11
83651	17 05 50.00	+04 57 48.3	10.46	H	256.458 324 63	+04.963 430 09		18.06	−142.71	135.74	1.72	1.31	1.84	2.34	1.66	+13	− 3	−17	+41	+24	− 2	+23	+41	− 3	+ 6	0	0.25
83652	17 05 50.34	+66 50 07.4	9.07	H	256.459 751 03	+66.835 380 03		16.89	4.13	120.55	0.77	0.86	0.82	0.92	1.12	+27	− 4	− 8	− 9	− 8	−11	− 8	−15	+ 8	+43	1	0.32
83653	17 05 50.54	−32 32 15.0	9.54	H	256.460 573 54	−32.537 487 36		4.41	3.47	−0.62	1.42	0.83	1.56	1.73	0.92	−15	−27	− 9	+10	−18	−14	− 7	+59	−21	−23	0	1.82
83654	17 05 52.13	+58 55 40.5	8.65	H	256.467 213 50	+58.927 913 61		23.29	22.03	54.97	0.73	0.74	0.79	0.89	0.91	−21	+ 9	− 2	− 5	+13	− 2	+11	−13	− 6	−39	0	0.14
83655	17 05 52.39	−11 18 27.7	9.89	H	256.468 279 30	−11.307 696 85		0.24	2.01	−0.19	1.56	0.94	1.88	2.06	1.13	−27	+ 6	−37	+48	−14	+19	−13	+65	−48	−22	0	−0.74
83656	17 05 52.88	+32 35 57.1	10.91	H	256.470 334 61	+32.599 198 18		14.04	−81.47	198.24	2.77	3.17	4.12	3.20	4.40	+ 9	− 4	−32	− 4	+ 6	− 1	+ 9	+ 4	+12	− 8	1	
83657	17 05 53.78	−28 17 22.1	9.22	H	256.474 091 59	−28.289 472 24		4.95	−39.29	−6.51	1.30	0.77	1.36	1.63	0.93	− 4	−31	− 7	− 3	+ 3	+ 3	+ 3	+42	− 6	−17	0	0.02
83658	17 05 55.87	+41 06 51.4	8.54	H	256.482 806 07	+41.114 281 23		−0.06	−2.35	13.05	0.71	0.74	0.85	0.75	0.89	+ 4	−19	− 8	−19	− 4	− 7	− 7	−13	+14	+ 1	1	1.57
83659	17 05 56.67	−28 52 21.5	7.55	H	256.486 115 91	−28.872 631 32		6.02	0.07	4.92	0.85	0.50	0.92	0.88	0.54	−17	−45	+ 6	+13	−10	− 7	− 2	+48	−13	−19	0	−0.21
83660	17 05 57.02	+52 01 57.3	8.33	H	256.487 565 51	+52.032 585 65		12.58	−43.28	−26.82	0.65	0.66	0.70	0.71	0.76	+10	− 9	− 2	+ 6	+20	+ 1	+21	+15	− 7	+10	0	0.77
83661	17 05 58.24	−59 27 20.4	10.09	H	256.492 667 41	−59.455 675 12		2.88	−0.80	−2.70	1.11	1.04	1.81	1.53	1.18	− 2	−13	− 9	+ 0	+ 6	+33	+ 6	+ 6	+11	+ 9	0	1.50
83662	17 05 59.60	−22 51 21.5	10.01	H	256.498 339 50	−22.855 974 79		17.74	36.18	−324.01	2.18	0.86	2.00	2.05	0.99	+14	−63	−14	+28	− 0	− 9	+12	+69	−20	+11	4	2.03
83663	17 05 59.74	+12 38 21.7	8.49	H	256.498 930 02	+12.639 366 35		1.45	7.54	6.25	0.97	0.75	1.15	1.01	0.90	+23	−36	+ 5	+43	+30	− 9	+34	+30	−10	+36	0	0.30
83664	17 06 00.20	+75 06 12.5	7.38	G	256.500 821 35	+75.103 473 13		20.28	−109.49	1.96	0.53	0.53	0.57	0.52	0.65	+ 0	−19	− 8	−20	+ 0	− 6	+ 4	+ 5	−18	− 2	0	−0.26
83665	17 06 00.37	+07 51 17.0	7.49	H	256.501 553 90	+07.854 725 07		8.52	−4.78	−12.56	1.07	0.74	0.96	1.24	0.88	+66	−35	−16	+70	+73	−10	+70	+59	−18	+66	0	0.21
83666	17 06 00.65	−44 22 21.7	7.39	H	256.502 727 32	−44.372 682 48		3.64	6.49	0.09	1.00	0.64	1.05	1.04	0.69	−32	−41	+ 4	+32	−10	+ 8	− 4	+56	−15	−33	0	0.96
*83667	17 06 07.19	−53 00 02.6	9.45	H	256.529 968 00	−53.000 720 70		6.23	−20.93	−58.57	1.32	1.04	1.57	1.53	1.14	−28	+ 8	−14	−12	+22	− 7	+19	− 9	−11	−30	0	−0.48
*83668	17 06 02.61	−31 57 11.1	8.41	G	256.510 884 14	−31.953 086 42		6.04	14.67	−29.44	1.05	0.60	1.18	1.38	0.67	− 6	+ 0	−13	+ 1	−12	−25	− 8	+56	−23	−13	0	0.42
*83669	17 06 03.45	+23 19 19.4	7.20	H	256.514 388 56	+23.322 064 16		6.12	−34.44	0.19	0.54	0.59	0.85	0.61	0.77	+14	− 8	−18	−55	−20	+ 3	−11	+23	−23	− 1	0	1.01
*83670 H	17 06 03.99	−66 42 52.6	8.99	H	256.516 636 28	−66.714 611 02	A	1.71	1.87	−0.44	1.74	1.65	2.29	1.77	1.76	+24	−27	+ 4	+23	−11	+10	−21	+13	+13	+ 4	0	0.16
*83671	17 06 04.68	−52 31 39.1	8.18	H	256.519 511 44	−52.527 539 62		6.87	−16.91	−38.37	1.04	0.72	1.17	1.21	0.78	− 8	−14	−21	+ 6	+19	−13	+17	+ 6	− 6	−13	0	0.49
*83672	17 06 04.79	+64 56 23.2	8.08	H	256.519 943 18	+64.939 768 75		2.25	−5.70	−15.93	0.57	0.69	0.69	0.48	0.85	− 4	−21	−17	−41	−22	+ 7	−18	+ 0	+15	−45	1	−0.79
*83673	17 06 05.24	+45 00 24.3	8.05	H	256.521 846 55	+45.006 738 58		9.80	−55.12	29.93	0.64	0.60	0.69	0.76	0.69	+20	−19	−15	+ 7	+ 5	+ 2	+ 6	+12	− 7	+20	0	2.94
*83674	17 06 05.50	−26 34 50.0	7.48	3 H	256.522 907 48	−26.580 562 84		1.17	0.32	−0.44	0.90	0.59	1.01	1.12	0.67	−22	−17	+ 1	+ 0	−38	−19	−20	+64	−22	−36	0	0.02
83675	17 06 07.26	+08 37 23.5	6.96	H	256.530 265 22	+08.623 194 74		5.86	−8.77	−6.58	0.82	0.58	0.93	0.84	0.67	+38	−31	− 8	+51	+46	+ 5	+46	+44	− 1	+40	0	0.83
83676	17 06 08.26	−06 10 01.5	8.80	H	256.534 410 33	−06.167 089 53		32.81	−89.16	−63.66	1.17	0.67	1.37	1.25	0.77	−13	−49	+ 4	+43	− 6	−18	+ 6	+47	−23	+ 0	0	0.70
83677	17 06 09.64	+09 44 01.9	6.38	H	256.540 172 78	+09.733 855 20		5.40	7.84	5.37	0.77	0.53	0.89	0.80	0.58	+36	−35	−12	+55	+41	+ 0	+43	+34	− 5	+44	0	0.57
83678	17 06 10.31	+73 40 15.0	9.54	H	256.542 968 63	+73.670 841 03		1.68	−3.44	−6.38	0.76	0.84	0.84	0.81	1.06	− 1	− 8	− 9	−22	+ 3	−14	+ 4	− 3	− 9	− 5	1	0.35
83679	17 06 10.43	−21 18 56.2	9.76	G	256.543 454 37	−21.315 613 39		4.12	0.62	−7.71	1.57	0.79	1.72	1.88	0.88	+15	−18	−13	−18	−33	−31	−21	+48	−36	+12	0	−0.34
83680	17 06 10.76	+50 17 55.5	8.68	H	256.544 848 48	+50.298 754 42		4.94	−39.18	25.96	0.67	0.71	0.72	0.79	0.88	+10	+ 7	+ 3	+30	+ 0	+ 1	− 1	+32	−14	− 9	0	0.56
83681	17 06 11.10	−62 18 25.0	8.46	H	256.546 252 61	−62.306 935 56		3.09	0.98	−2.58	0.78	0.64	1.25	0.87	0.69	+ 4	−22	− 9	+ 1	−43	+20	−36	+27	− 3	−16	1	0.53
83682	17 06 11.21	+16 16 13.8	7.87	H	256.546 702 39	+16.270 502 02		3.85	−8.44	4.40	0.72	0.68	1.07	0.79	0.78	+11	−31	+ 6	+17	+32	+10	+34	+25	−18	+38	0	−1.52
83683	17 06 11.58	+39 32 51.9	9.16	H	256.548 259 17	+39.547 737 72		12.73	−26.31	0.15	0.68	0.76	0.90	0.78	0.87	+ 4	− 5	−10	− 4	+10	−33	+ 7	−14	+ 5	− 2	0	0.56
83684	17 06 11.81	−21 33 51.8	6.29	H	256.549 193 94	−21.564 402 04		10.17	−7.57	−74.51	0.88	0.49	0.91	0.99	0.53	+ 8	+ 6	− 1	−33	−53	−33	−34	+49	−32	−13	0	−0.35
83685	17 06 11.84	+05 10 06.2	7.95	H	256.549 346 71	+05.168 381 40		5.76	28.97	−3.28	1.02	0.79	1.15	1.15	0.91	−14	−26	−20	+37	+ 3	+ 4	+ 7	+47	−13	−25	0	0.29
83686	17 06 11.92	−60 25 14.8	7.43	H	256.549 676 76	−60.420 770 43		8.70	1.24	−5.77	0.63	0.55	0.96	0.75	0.60	−12	−12	+ 0	− 9	−16	+17	−15	+ 2	+ 7	−16	3	1.36
83687 H	17 06 11.94	−38 37 30.4	7.73	G	256.549 742 56	−38.625 098 88	A	12.58	−12.99	−75.76	2.78	1.78	2.39	2.38	1.36	−20	−13	− 8	+20	+10	− 4	+ 9	+48	−25	−14	4	1.08
83688	17 06 13.03	+10 27 13.9	6.38	H	256.554 279 07	+10.453 862 41		8.56	37.35	6.40	0.69	0.48	0.86	0.64	0.51	+10	−41	+ 1	+44	+25	− 2	+26	+17	+ 1	+20	3	1.31
83689	17 06 16.17	+15 13 47.4	7.07	G	256.567 385 30	+15.229 835 42		4.43	−85.28	−76.03	0.59	0.53	0.93	0.70	0.61	+ 1	−19	+ 8	+20	+28	+17	+28	+22	−13	+29	3	−0.84
83690 H	17 06 17.84	+26 31 04.4	8.67	H	256.574 352 12	+26.517 891 73	*	11.84	−25.91	0.04	1.27	1.31	1.25	0.78	1.17	+ 2	−14	− 6	+14	+ 3	− 2	+ 4	+ 3	− 7	+ 1	1	−1.03
83691	17 06 18.03	+12 36 23.5	8.53	G	256.575 144 45	+12.606 514 50		23.54	−204.47	126.85	1.05	0.80	1.11	1.15	1.01	+37	−29	+ 1	+48	+40	− 8	+43	+38	− 9	+47	0	−0.02
83692	17 06 18.11	+22 05 03.3	5.56	G	256.575 452 46	+22.084 247 07		9.11	−97.78	−38.65	0.44	0.48	0.73	0.65	0.69	+20	−21	−17	+23	+15	− 7	+18	+35	−23	+15	0	−1.11
83693	17 06 20.20	−37 13 39.1	5.98	H	256.584 146 43	−37.227 530 62		7.73	−7.95	−24.42	0.74	0.50	0.81	0.86	0.56	−20	−30	−14	+24	− 7	+ 3	− 3	+61	−25	−17	0	−0.79
83694	17 06 20.57	−52 13 55.1	8.60	H	256.585 712 61	−52.231 985 30		4.23	−2.98	2.64	1.10	0.86	1.32	1.32	0.95	− 2	−19	−25	+15	+15	+ 1	+17	− 3	− 1	+ 7	4	0.33
83695	17 06 21.22	−15 26 25.2	9.94	G	256.588 404 08	−15.440 343 21		6.53	−13.69	−15.64	1.66	1.02	2.11	1.75	1.06	+11	−45	−49	+ 0	−38	+25	− 2	+55	−41	−34	4	−0.33
83696	17 06 21.58	+60 38 09.9	7.89	H	256.589 925 43	+60.636 091 62		4.09	−8.93	−0.34	0.64	0.65	0.68	0.80	0.82	−13	− 7	−20	−24	+22	−20	+15	−14	+12	+ 8	0	−0.05
83697	17 06 21.81	−69 39 15.0	8.84	H	256.590 894 14	−69.654 157 12		2.34	−6.15	−9.73	0.60	0.80	1.15	0.66	0.95	+10	−10	−13	−21	+ 3	− 8	+ 1	+ 6	+10	+ 9	0	−1.72
83698	17 06 21.92	+20 13 39.1	8.41	H	256.591 315 48	+20.227 541 01		11.64	−43.83	62.96	0.72	0.73	1.05	0.73	0.80	− 7	−34	− 2	+13	+26	− 3	+25	+18	− 8	+23	0	1.56
83699	17 06 22.11	−12 24 40.1	7.93	H	256.592 135 93	−12.411 135 85		8.15	10.11	24.51	0.93	0.57	1.08	0.93	0.62	− 7

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
83601	6.696	0.004	6.063	0.004		0.578	0.004	G	0.64	0.02	A	6.1196	0.0008	0.007	86		6.11	6.14					1							S
83602	9.547	0.021	9.242	0.024		0.330	0.006	G	0.38	0.01	H	9.3020	0.0036	0.021	81		9.27	9.34					1							
83603	7.735	0.009	7.165	0.008		0.533	0.011	T	0.61	0.01	L	7.1976	0.0024	0.020	81		7.17	7.23		U 2			1							S
83604	10.717	0.035	10.085	0.033		0.587	0.042	T	0.66	0.04	L	10.1268	0.0031	0.034	162		10.06	10.19					1							
83605	11.388	0.074	9.326	0.022		1.707	0.062	T	1.73	0.06	L	9.2480	0.0018	0.018	92		9.21	9.28					1							
83606	10.503	0.032	8.653	0.013		1.538	0.027	T	1.59	0.06	L	8.6335	0.0025	0.022	98		8.60	8.68					1							
83607	8.615	0.012	8.096	0.011		0.497	0.012	T	0.57	0.01	L	8.1563	0.0016	0.013	98		8.14	8.18		C			1							
83608	5.414	0.010	4.890	0.007	*	0.471	0.001	G	0.54	0.00	R *	5.0170	0.0006	0.005	96	*	5.01	5.03		D	17053+5428	I 1	2 C	A	AB	30	2.160	0.002	0.09	0.01	S
83609	11.683	0.198	9.210	0.036	B	0.607	0.015	G	0.68	0.01	H	10.5450	0.1051			B				D	17054−3346	I 2	1 C F D							S D
83610	9.269	0.015	8.650	0.014		0.576	0.018	T	0.65	0.02	L	8.7215	0.0015	0.013	112		8.70	8.75					1							S
83611	8.128	0.017	8.032	0.020		0.094	0.025	T	0.11	0.03	L	8.0728	0.0017	0.012	76		8.05	8.09					1							
83612	9.080	0.022	8.403	0.020	A	0.607	0.015	G	0.68	0.01	H	8.4985	0.0212	0.031	76	A	8.42	8.54		D	17054−3346	I 2	1 C P D							D
83613	5.052	0.002	4.896	0.003		0.125	0.006	G	0.11	0.03	C	4.9270	0.0008	0.004	76		4.92	4.94		C	17054+1245	I 1	1							S
83614	10.594	0.041	8.929	0.018		1.392	0.035	T	1.37	0.04	L	8.9488	0.0015	0.016	96		8.92	8.97					1							
83615	8.702	0.014	8.234	0.014		0.400	0.001	G	0.47	0.00	H	8.3131	0.0022	0.023	93		8.27	8.35		U			1							
83616	9.602	0.021	9.124	0.020		0.450	0.026	T	0.52	0.03	L	9.2206	0.0021	0.017	116		9.19	9.26		C			1							
83617	11.260	0.059	9.246	0.018		1.669	0.049	T	1.69	0.05	L	9.2173	0.0019	0.020	117		9.18	9.26		C			1							
83618	9.745	0.033	8.095	0.014	*	1.380	0.028	T	1.35	0.03	L *	7.9360	0.0038	0.038	134	*	7.87	8.03		U 2	17054−5805	I 1	2 C	B	AB	78	6.395	0.024	2.75	0.15	
83619	7.702	0.008	7.350	0.008		0.334	0.011	T	0.39	0.01	L	7.3880	0.0010	0.010	87		7.37	7.40		C			1							S
83620	10.696	0.049	10.082	0.044		0.572	0.058	T	0.64	0.05	L	10.1773	0.0034	0.028	81		10.13	10.23		C			1							G
83621	9.970	0.028	9.337	0.026		0.583	0.028	T	0.65	0.03	L	9.3856	0.0025	0.017	77		9.35	9.42					1							
83622	9.188	0.014	8.084	0.010		0.952	0.013	T	0.94	0.01	L	8.1264	0.0015	0.013	101		8.11	8.16		C			1							S
83623	8.786	0.012	7.474	0.008		1.114	0.011	T	1.08	0.01	L	7.5050	0.0010	0.010	121		7.49	7.52		C			1							S
83624	10.085	0.045	8.686	0.024		1.183	0.040	T	1.14	0.04	L	8.7719	0.0025	0.015	73		8.74	8.80					1							
83625	9.156	0.020	8.887	0.023		0.398	0.015	G	0.46	0.02	H	8.9490	0.0021	0.018	80		8.92	8.98					1							
83626	9.968	0.017	9.555	0.018		0.390	0.023	T	0.46	0.03	L	9.5992	0.0023	0.027	164		9.55	9.66		C			1							
83627	8.694	0.023	8.472	0.025		0.212	0.032	T	0.23	0.04	L	8.5212	0.0021	0.015	75		8.50	8.55		C			1							S
83628	8.875	0.008	8.854	0.010		0.020	0.011	T	0.04	0.01	L	8.8615	0.0011	0.018	211		8.83	8.90		C			1							
83629	7.163	0.005	7.080	0.005		0.105	0.003	G	0.12	0.00	H	7.0860	0.0008	0.007	109		7.07	7.10		C			1							S
83630	9.953	0.021	9.087	0.016		0.759	0.020	T	0.80	0.01	L	9.1641	0.0023	0.023	136		9.12	9.21					1							
83631	8.749	0.009	8.530	0.011		0.209	0.013	T	0.23	0.01	L	8.5541	0.0019	0.018	151		8.52	8.58					1							S
83632	11.863	0.156	10.086	0.050		1.510	0.135	T	2.86	0.55	K	9.6705	0.0614	0.250	70		9.51	10.18		U 2			1							G P
83633	10.277	0.035	9.079	0.022		1.025	0.032	T	1.00	0.03	L	9.1541	0.0021	0.016	80		9.13	9.20		C			1							
83634	8.866	0.013	8.435	0.013	A	0.407	0.004	G	0.47	0.00	H *	8.3503	0.0022	0.021	86	*	8.32	8.41		U 2	17055+1033	I 1	2 C	A	AB	306	1.436	0.007	1.46	0.03	S
83635	5.767	0.003	5.652	0.003		0.104	0.004	T	0.12	0.00	L	5.6735	0.0013	0.010	73		5.65	5.68		M			1							S
83636	10.014	0.025	8.755	0.015		1.073	0.023	T	1.04	0.02	L	8.8133	0.0022	0.018	98		8.79	8.86					1							S
83637	10.183	0.030	9.653	0.030		0.501	0.020	G	0.57	0.02	H	9.6623	0.0026	0.017	92		9.64	9.69		C			1							G
83638	9.578	0.022	7.625	0.010		1.655	0.020	T	2.47	0.04	O	7.4161	0.0049	0.035	90		7.36	7.48		U 2			1 S							S P
83639	8.628	0.008	8.136	0.008		0.446	0.014	G	0.52	0.01	H	8.1873	0.0013	0.014	176		8.16	8.21		C			1							S
83640	7.561	0.005	7.376	0.006		0.177	0.007	T	0.19	0.01	L	7.4214	0.0008	0.011	162		7.40	7.44		C			1 G							S
83641	9.702	0.018	8.984	0.015		0.646	0.018	T	0.71	0.02	L	9.0131	0.0018	0.017	124		8.98	9.03		C			1							
83642	8.538	0.011	7.217	0.007		1.122	0.010	T	1.08	0.01	L	7.2648	0.0013	0.010	107		7.25	7.29					1							S
83643	9.300	0.011	8.124	0.007		1.000	0.010	G	0.98	0.01	H	8.1972	0.0011	0.014	192		8.17	8.23					1							
83644	9.854	0.022	9.161	0.019		0.640	0.024	T	0.70	0.02	L	9.2072	0.0021	0.027	107		9.16	9.26					1							
83645	10.106	0.035	9.653	0.037		0.427	0.047	T	0.49	0.05	L	9.7454	0.0021	0.020	87		9.70	9.78		C			1							
83646	9.416	0.019	8.868	0.018		0.520	0.019	T	0.59	0.02	L	8.9303	0.0014	0.011	90		8.91	8.95		D			1							
83647	11.857	0.089	10.456	0.037		1.184	0.076	T	1.14	0.07	L	10.4535	0.0025	0.037	162		10.38	10.53					1 X							G
83648	8.854	0.011	8.335	0.011		0.460	0.015	G	0.53	0.02	H	8.3852	0.0013	0.013	104		8.36	8.41		C			1							S
83649	7.994	0.010	7.884	0.012		0.123	0.003	G	0.14	0.00	H	7.9197	0.0010	0.009	88		7.90	7.94					1							S
83650	6.518	0.005	6.222	0.005		0.281	0.007	T	0.32	0.01	L	6.2540	0.0012	0.007	72		6.24	6.26					1							S
83651	12.077	0.166	10.640	0.072		1.211	0.148	T	1.17	0.14	L	10.6001	0.0040	0.029	65		10.56	10.66		C			1							G
83652	10.022	0.028	9.114	0.021		0.791	0.027	T	0.82	0.02	L	9.2085	0.0026	0.023	100		9.17	9.23					1							
83653	10.230	0.038	9.684	0.039		0.518	0.041	T	0.59	0.04	L	9.6497	0.0031	0.017	75		9.61	9.67					1							G
83654	9.645	0.021	8.754	0.016		0.793	0.020	T	0.82	0.01	L	8.7983	0.0014	0.014	99		8.77	8.84		D			1							
83655	10.510	0.032	9.976	0.031		0.549	0.020	G	0.62	0.02	H	10.0092	0.0020	0.018	99		9.97	10.04		C			1							G
83656	11.986	0.134	10.830	0.075		0.993	0.120	T	0.97	0.10	L	11.0759	0.0052	0.045	103		10.98	11.15					1 X							G
83657	9.952	0.027	9.310	0.025		0.590	0.027	T	0.66	0.03	L	9.3427	0.0017	0.016	73		9.31	9.37					1							
83658	10.152	0.026	8.686	0.013		1.235	0.023	T	1.19	0.02	L	8.7080	0.0023	0.020	107		8.67	8.75					1							
83659	7.546	0.006	7.546	0.009		0.001	0.009	T	0.02	0.01	L	7.5627	0.0011	0.008	83		7.55	7.58					1							S
83660	8.976	0.013	8.383	0.012		0.553	0.016	T	0.63	0.01	L	8.4514	0.0017	0.014	116		8.43	8.47					1							S
83661	10.249	0.032	10.045	0.041		0.195	0.049	T	0.21	0.06	L	10.1511	0.0025	0.022	90		10.12	10.19		C			1							G
83662	11.104	0.057	10.108	0.038		0.859	0.053	T	0.87	0.04	L	10.1517	0.0022	0.023	103		10.11	10.18		C			1 G							G
83663	8.737	0.019	8.537	0.022		0.191	0.027	T	0.21	0.03	L	8.5570	0.0024	0.014	81		8.53	8.58		C			1							S
83664	8.065	0.008	7.445	0.008		0.593	0.015	G	0.66	0.01	H	7.4982	0.0010	0.008	104		7.48	7.51		C			1							S
83665	7.809	0.007	7.526	0.008		0.269	0.010	T	0.30	0.01	L	7.5660	0.0010	0.010	108		7.55	7.58		C			1 G							S
83666	7.459	0.008	7.391	0.009		0.061	0.011	T	0.07	0.01	L	7.4117	0.0011	0.010	79		7.39	7.43					1							S
83667	10.078	0.036	9.478	0.034		0.559	0.037	T	0.63	0.03	L	9.5732	0.0023	0.018	66		9.54	9.60		D			1							G
83668	8.957	0.013	8.492	0.013		0.451	0.014	T	0.52	0.01	L	8.5126	0.0011	0.012	89		8.50	8.54		C			1							
83669	8.489	0.009	7.307	0.006		1.013	0.008	T	0.99	0.01	L	7.3701	0.0008	0.012	161		7.35	7.40					1							S
83670	10.687	0.033	9.141	0.015	A	1.250	0.134	G	1.21	0.13	R *	9.1470	0.0022	0.022	137	*	9.10	9.19		D	17061−6643	H 1	2 C	B	AB	65	1.285	0.063	3.34	0.15	
83671	8.419	0.015	8.213	0.017		0.197	0.021	T	0.22	0.02	L	8.2400	0.0014	0.014	67		8.21	8.27					1							
83672	9.183	0.017	8.159	0.012		0.892	0.016	T	0.90	0.01	L	8.2366	0.0016	0.014	96		8.21	8.26		C			1							S
83673	8.553	0.011	8.097	0.010		0.430	0.014	T	0.50	0.01	L	8.1491	0.0016	0.015	114		8.12	8.17					1							S
83674	8.420	0.012	7.454	0.009		0.849	0.011	T	0.86	0.01	L	7.6280	0.0336	0.298	81		7.12	7.80	4.07	P 1 A			1							S
83675	8.958	0.017	7.126	0.008		1.524	0.015	T	1.56	0.02	L	7.0819	0.0011	0.010	97		7.06	7.10					1							S
83676	10.118	0.029	8.925	0.018		1.015	0.015	G	1.06	0.02	I	8.9365	0.0017	0.014	89		8.91	8.96		C			1							
83677	8.295	0.011	6.546	0.006		1.458	0.010	T	1.46	0.02	L	6.5108	0.0009	0.008	87		6.50	6.53					1							S
83678	10.830	0.049	9.644	0.028		1.016	0.044	T	0.99	0.04	L	9.7078	0.0021	0.018	105		9.68	9.75		C			1							
83679	10.502	0.038	9.908	0.035		0.580	0.020	G	0.65	0.02	H	9.8743	0.0022	0.020	105		9.84	9.90					1							G
83680	9.443	0.015	8.738	0.013		0.649	0.016	T	0.71	0.01	L	8.8144	0.0017	0.015	116		8.79	8.84		C			1							
83681	9.957	0.018	8.589	0.010		1.158	0.016	T	1.12	0.01	L	8.6306	0.0017	0.020	178		8.60	8.66					1							
83682	9.160	0.014	7.988	0.009		1.005	0.013	T	0.98	0.01	L	8.0337	0.0016	0.013	116		8.01	8.06					1							S
83683	9.874	0.023	9.230	0.020		0.598	0.026	T	0.67	0.02	L	9.2852	0.0022	0.022	129		9.25	9.33					1							
83684	6.458	0.003	6.302	0.004		0.128	0.005	G	0.14	0.01	H	6.3402	0.0008	0.005	111		6.33	6.35					1							S
83685	9.371	0.020	8.082	0.013		1.096	0.019	T	1.06	0.02	L	8.1174	0.0016	0.013	72		8.10	8.15		C			1							S
83686	8.976	0.012	7.578	0.007		1.182	0.011	T	1.14	0.01	L	7.6016	0.0011	0.014	135		7.58	7.62					1							S
83687	8.333	0.017	7.901	0.018	*	0.428	0.015	G	0.50	0.02	H *	7.8229	0.0011	0.010	102	*	7.80	7.84		D	17062−3838	I 1	2 C	A	AB	346	0.956	0.003	0.32	0.02	S
83688	7.506	0.006	6.477	0.005		0.896	0.006	T	0.90	0.00	L	6.5340	0.0006	0.007	90		6.52	6.55		C			1							S
83689	8.286	0.009	7.172	0.006		0.960	0.002	G	0.95	0.00	H	7.2389	0.0008	0.008	109		7.22	7.25		C			1							S
83690	9.438	0.013	8.752	0.011	*	0.620	0.015	G	0.69	0.01	H *	8.8037	0.0020	0.021	176	*	8.77	8.84		D	17063+2631	I 1	2 C	A	BA	7	0.206	0.008	0.57	0.22	
83691	9.521	0.028	8.607	0.021		0.750	0.020	G	0.79	0.02	H	8.6653	0.0017	0.012	79		8.64	8.69		C			1							
83692	7.265	0.005	5.717	0.002		1.299	0.008	G	1.26	0.06	F	5.7213	0.0005	0.006	162		5.71	5.73		C	17063+2205	I 1	1							S
83693	6.072	0.003	5.990	0.003		0.076	0.002	G	0.09	0.00	H	6.0075	0.0007	0.005	99		6.00	6.02		C	17063−3714	I 1	1							S
83694	10.354	0.048	8.747	0.023		1.346	0.042	T	1.31	0.05	L	8.7571	0.0021	0.019	72		8.73	8.78					1							
83695	10.770	0.058	10.098	0.051		0.641	0.020	G	0.71	0.02	H	10.0844	0.0023	0.020	82		10.05	10.12		C			1							G
83696	9.335	0.016	8.002	0.009		1.131	0.014	T	1.09	0.01	L	8.0601	0.0010	0.010	95		8.05	8.08		C			1							S
83697	10.097	0.018	8.937	0.012		0.996	0.017	T	0.97	0.01	L	9.0048	0.0020	0.024	207		8.96	9.05					1							
83698	8.992	0.011	8.469	0.011		0.491	0.014	T	0.56	0.01	L	8.5143	0.0018	0.020	124		8.48	8.54					1							S
83699	8.454	0.013	7.989	0.013		0.455	0.015	G	0.52	0.02	H	8.0352	0.0012	0.011	82		8.02	8.06		C			1							S
83700	10.467	0.030	9.734	0.026		0.672	0.032	T	0.73	0.03	L	9.8429	0.0024	0.029	143		9.78	9.90		C			1 S							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)																						Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$										F1	F2
1 2	h m s 3	±° ′ ″ 4	mag 5 6 7		deg 8	deg 9 10		mas 11	mas/yr 12	13	mas 14	15	mas 16	mas/yr 17	18	19	20	21	22	23	24	25	26	27	28										% 29	30
83701	17 06 23.26	−37 06 04.9	7.82	H	256.596 899 04	−37.101 359 96		18.86	42.29	−86.63	0.98	0.64	1.05	1.17	0.72	−21	−25	−11	+29	− 9	− 1	− 8	+68	−24	−14										0	−0.49
83702	17 06 24.47	−58 13 05.4	8.75	H	256.601 955 33	−58.218 161 78		4.03	11.28	−28.11	0.74	0.71	1.28	1.00	0.88	+13	−16	− 8	+ 0	+11	+27	+13	+16	+ 4	+ 6										1	0.58
83703	17 06 25.11	−30 44 02.5	9.24	H	256.604 630 44	−30.734 019 76		−0.08	1.04	−2.63	1.34	0.84	1.49	1.61	0.91	−16	−16	− 7	+14	−20	− 1	−13	+59	−27	−18										2	−0.23
83704	17 06 25.33	−44 34 19.4	8.21	H	256.605 530 01	−44.572 054 78		3.87	−0.93	−6.01	1.10	0.76	1.22	1.24	0.83	−17	−33	+ 6	+32	+ 5	+15	+ 7	+57	−16	−17										0	1.93
83705	17 06 27.52	+17 52 35.7	8.21	H	256.614 676 52	+17.876 592 30		2.00	−19.86	14.89	0.86	0.79	1.25	0.95	0.94	+ 8	−31	−19	− 5	+13	− 7	+17	+25	−32	+17										0	−1.41
83706	17 06 28.37	−35 27 03.7	6.15	1 H	256.618 199 32	−35.451 038 93		2.73	2.38	−3.03	0.91	0.57	0.96	0.81	0.63	−40	−55	+ 0	+10	−48	+ 7	−19	+68	−22	−62										0	0.69
83707	17 06 28.90	−47 50 44.5	8.60	H	256.620 412 56	−47.845 691 41		16.46	26.96	−66.23	1.17	0.83	1.42	1.46	0.83	−32	+24	−27	−16	+16	−31	− 1	+27	−23	−11										0	−1.71
83708	17 06 29.02	−28 59 33.1	8.90	H	256.620 933 21	−28.992 532 75		0.45	−1.69	−2.51	1.19	0.69	1.26	1.20	0.75	− 9	−37	+ 4	+ 1	−24	− 6	− 3	+61	−10	−33										0	−1.06
83709	17 06 29.27	−39 18 18.2	7.95	G	256.621 959 57	−39.305 051 21		13.18	−56.82	−27.99	1.02	0.68	1.10	1.27	0.73	− 7	− 4	−12	+47	+ 0	+36	+ 3	+67	−20	− 9										0	−1.50
83710 H	17 06 29.44	−13 56 05.1	7.47	G	256.622 686 91	−13.934 744 25	B	10.04	−1.02	−56.99	2.32	1.39	1.84	1.93	1.01	+ 3	−35	− 9	+32	+ 7	− 5	+13	+36	−20	+ 8										3	0.71
83711	17 06 29.56	−10 48 22.9	7.69	H	256.623 166 65	−10.806 350 58		9.05	−21.96	−11.43	0.97	0.50	1.06	1.12	0.60	− 8	−35	− 6	+56	+ 3	− 9	+12	+60	−32	− 1										2	−0.03
83712	17 06 30.32	+41 51 04.5	9.34	H	256.626 343 06	+41.851 248 65		2.24	−9.65	3.42	0.73	0.81	0.89	0.79	0.96	+13	−12	− 8	− 5	− 5	+ 0	− 6	−13	+ 3	+ 5										3	1.46
83713	17 06 30.95	+13 26 25.0	9.27	2 H	256.628 961 92	+13.440 275 87		1.52	7.88	5.94	1.02	0.90	1.39	1.00	0.99	+18	−34	−15	+14	+24	−11	+28	+17	−20	+18										0	1.23
83714	17 06 34.52	+23 58 18.6	7.61	2 H	256.643 845 48	+23.971 833 94		2.57	−7.30	−5.47	0.40	0.62	0.86	0.48	0.83	+ 1	−14	− 5	− 8	+ 1	− 9	+ 5	+14	−15	− 8										0	−0.22
83715	17 06 35.49	+51 33 27.7	9.32	H	256.647 887 88	+51.557 694 72		3.96	4.00	8.94	0.75	0.76	0.81	0.89	0.90	+20	+ 2	+ 4	− 1	+ 7	−12	+ 7	+ 6	− 6	+16										0	1.71
83716 H	17 06 36.18	+00 39 07.9	8.31	G	256.650 752 02	+00.652 208 17	A	18.73	−18.93	−5.85	2.48	1.54	2.14	2.81	1.73	− 8	+ 6	− 4	+50	+ 2	+21	+ 0	+36	+ 5	−21										2	−0.06
83717	17 06 37.36	+33 59 27.3	9.63	H	256.655 664 46	+33.990 928 66		−0.07	7.24	−0.33	0.79	0.94	1.10	0.91	1.11	+13	+ 2	− 4	+16	+15	− 7	+19	− 9	+ 6	+26										0	0.08
83718	17 06 37.46	+30 24 50.4	9.04	H	256.656 079 90	+30.414 010 46		5.09	2.21	−5.20	1.05	1.35	1.65	1.21	1.65	+ 5	−11	− 2	−12	+ 2	−11	+ 3	−10	− 6	+ 2										0	
83719	17 06 39.03	+07 46 57.8	9.10	3 H	256.662 604 46	+07.782 720 47		7.99	28.35	−1.01	1.64	1.05	1.37	1.81	1.32	+65	−21	− 7	+71	+72	− 6	+74	+60	− 2	+73										0	0.11
83720	17 06 40.09	−47 51 06.6	9.14	H	256.667 043 24	−47.851 835 78		7.12	−17.37	−31.52	1.39	0.91	1.57	1.73	0.96	−19	+ 5	−25	−16	+10	−21	+ 4	+27	−18	−14										0	−0.99
*83721	17 06 40.98	−36 04 40.5	7.40	H	256.670 769 49	−36.077 905 41		2.53	0.97	−0.88	0.94	0.74	1.05	0.97	0.85	−46	−32	−29	+32	−65	+21	−35	+82	−43	−71										0	−2.02
*83722	17 06 40.99	−48 00 43.5	7.96	H	256.670 774 01	−48.012 079 14		6.19	−14.63	−60.60	1.13	0.72	1.28	1.48	0.75	−20	+ 2	−30	−23	+22	−30	+12	+21	−14	−14										2	−1.66
*83723 H	17 06 40.91	−43 50 16.8	9.67	H	256.670 451 62	−43.838 001 42	A	0.77	−14.04	−20.05	7.08	4.25	6.74	5.98	4.29	+21	−43	−18	+32	+32	−13	+25	+53	−15	+18										1	0.95
83724	17 06 41.61	+35 19 24.4	7.36	H	256.673 368 30	+35.323 441 52		7.04	−8.48	−13.28	0.47	0.54	0.65	0.54	0.71	+ 9	− 9	− 1	+14	+ 6	−17	+ 7	− 4	+ 8	+ 9										4	0.21
83725	17 06 42.82	+01 01 27.9	8.50	H	256.678 401 11	+01.024 403 02		3.42	−2.29	−9.49	1.32	0.74	1.23	1.73	0.87	−12	+ 3	−24	+54	+ 2	+23	+ 7	+42	−13	−11										0	−0.33
83726	17 06 43.44	+28 52 06.5	8.38	H	256.680 995 97	+28.868 463 99		5.79	4.11	−13.86	0.56	0.72	0.91	0.73	0.97	− 1	−13	−13	+ 1	− 7	+ 6	− 6	− 6	− 3	− 4										0	0.13
83727	17 06 44.42	+23 33 50.2	8.84	2 H	256.685 083 44	+23.563 949 34		2.69	2.33	−23.09	0.74	0.96	1.28	0.91	1.25	+ 3	−10	−10	−41	−11	− 4	+ 0	+32	−16	−13										0	1.05
83728	17 06 44.93	+07 15 01.7	8.42	H	256.687 214 22	+07.250 464 84		1.41	−0.27	−19.21	1.14	0.82	1.28	1.57	1.04	+50	−24	−24	+35	+50	−14	+46	+35	− 2	+66										0	1.46
83729 H	17 06 45.03	−07 49 28.9	10.27	G	256.687 608 06	−07.824 699 12	A	14.74	−52.10	−52.24	4.27	2.46	3.86	5.45	2.85	+ 4	−15	− 9	+41	+31	−16	+28	+55	−28	+46										0	0.99
83730	17 06 45.16	+33 56 09.6	7.83	H	256.688 166 30	+33.936 004 97		3.28	−22.80	18.12	0.59	0.67	0.81	0.65	0.77	+14	−16	− 9	+17	+18	−26	+20	− 9	− 2	+24										0	0.63
83731	17 06 47.36	+00 17 02.5	8.86	H	256.697 341 94	+00.284 036 36		1.00	−8.88	−25.49	1.60	0.83	1.42	1.88	1.02	− 5	−33	−12	+61	+ 5	−17	+11	+44	−13	− 6										0	0.07
83732	17 06 47.73	−01 15 32.1	8.59	H	256.698 881 14	−01.258 925 56		5.53	0.41	−16.26	1.04	0.70	1.29	1.19	0.80	−21	−22	−18	+ 0	+11	−24	+10	+16	− 9	−24										0	1.36
83733 H	17 06 47.90	−35 53 15.1	8.15	H	256.699 589 17	−35.887 514 01	A	1.28	4.35	−6.31	4.36	2.57	2.73	3.35	2.29	−26	−12	− 4	+18	−42	− 4	−19	+57	−21	−70										3	1.97
83734	17 06 48.06	−24 07 17.5	10.30	H	256.700 259 93	−24.121 539 32		1.15	−5.70	−5.83	1.95	1.05	2.11	2.29	1.12	− 6	−24	− 6	+ 6	−23	− 3	−12	+64	−23	−10										2	1.65
83735	17 06 49.50	−77 02 00.3	11.45	G	256.706 265 59	−77.033 423 73		−0.99	−18.89	−39.47	1.28	1.59	1.93	1.35	1.90	+13	−17	+10	−23	−12	− 6	−10	−15	−11	+16										0	−0.42
83736	17 06 50.30	−02 17 09.7	9.25	H	256.709 584 08	−02.286 029 82		12.77	−11.39	−23.91	1.30	0.93	1.53	1.81	1.04	−28	− 5	−30	+42	−12	+ 2	−13	+34	−12	−30										5	−1.62
83737	17 06 51.94	−00 29 50.9	10.70	H	256.716 435 14	−00.497 481 24		5.49	−0.78	−3.49	1.84	1.26	2.34	2.10	1.63	− 1	−36	− 7	+30	−10	−33	− 5	+44	+ 6	−37										0	−1.19
83738	17 06 52.94	−01 39 22.0	6.34	1 H	256.720 576 83	−01.656 117 13		11.38	34.88	−28.15	0.72	0.50	0.89	0.91	0.60	−18	− 8	−15	+ 8	+ 5	−24	+ 1	+27	− 3	−15										0	1.48
83739	17 06 53.15	+31 01 26.2	8.14	H	256.721 464 24	+31.023 945 20		3.05	−22.54	24.08	0.58	0.72	0.85	0.76	1.01	+21	−13	−11	− 7	−10	+ 7	− 8	−22	+16	+37										1	−0.24
83740	17 06 53.23	−26 30 46.8	6.26	H	256.721 778 70	−26.512 990 82		2.52	−2.72	−12.71	0.84	0.49	0.92	0.96	0.56	− 9	− 8	− 3	−15	−44	−24	−27	+57	−32	−21										0	0.81
83741	17 06 54.12	+59 04 31.4	9.07	H	256.725 510 71	+59.075 384 42		0.95	−0.93	−0.05	0.79	0.81	0.90	1.02	0.95	−19	+18	− 6	+ 0	+10	+ 0	− 4	−37	− 8	−52										1	−0.64
83742	17 06 54.39	−33 07 28.3	9.30	H	256.726 627 26	−33.124 530 05		4.11	−4.07	−7.32	1.35	0.81	1.43	1.74	0.90	−20	−28	− 9	+23	− 9	+ 5	− 4	+66	−24	−22										0	0.81
83743	17 06 54.96	+47 40 14.4	7.67	H	256.728 988 13	+47.670 666 66		2.50	4.13	−21.20	0.56	0.63	0.67	0.65	0.67	+ 7	− 1	−20	+ 2	+12	−25	+ 9	+20	− 8	− 2										0	0.34
83744	17 06 56.79	+06 47 49.0	9.88	H	256.736 615 98	+06.796 955 89	B	15.07	−31.23	−91.71	17.54	13.07	7.64	9.12	6.32	+56	−19	−19	+31	+45	−10	+39	+29	+ 9	+62										9	1.05
83745	17 06 56.87	−36 43 12.8	8.43	H	256.736 972 47	−36.720 229 08		3.17	8.35	−15.03	1.16	0.90	1.27	1.49	1.09	−31	−23	−31	+31	−44	+16	−23	+81	−39	−52										0	−1.14
*83746	17 06 57.56	−63 59 27.4	9.20	H	256.739 849 22	−63.990 954 02		4.23	58.58	−25.45	0.75	0.75	1.23	0.86	0.86	+ 4	−18	− 5	+12	−31	+ 0	−28	+29	+ 9	−14										0	−0.71
*83747	17 06 57.52	+06 48 03.8	9.84	H	256.739 667 99	+06.801 044 04	A	13.34	−29.36	−88.97	6.41	4.71	5.92	7.08	4.90	+54	−18	−12	+23	+42	− 6	+36	+24	+ 6	+66										9	1.05
83748	17 06 57.72	+01 18 22.7	9.10	H	256.740 496 43	+01.306 300 95		1.94	−3.34	−5.90	1.35	0.89	1.42	1.77	1.13	−25	−27	−11	+44	−16	+12	−11	+52	−15	−31										0	0.36
83749	17 07 00.06	−56 02 18.0	7.85	H	256.750 255 77	−56.038 320 87		5.50	8.10	−10.39	0.72	0.68	0.91	0.79	0.71	−21	−19	−24	+17	−17	+ 5	−10	+25	−25	−36										0	0.45
83750	17 07 01.90	+50 53 32.9	9.63	H	256.757 919 40	+50.892 469 77		5.18	−3.93	31.03	0.83	0.85	0.93	0.94	1.01	+12	− 8	+ 7	− 4	+ 0	−12	+ 3	+ 8	−18	+12										0	0.84
83751	17 07 02.58	−84 39 55.2	8.67	H	256.760 745 35	−84.665 329 09		15.32	51.66	−22.13	0.60	0.72	0.80	0.65	0.86	− 4	− 1	+ 5	+12	− 6	+ 4	− 7	− 8	−20	− 7										1	2.21
83752	17 07 03.15	+38 29 40.4	7.93	H	256.763 140 46	+38.494 556 72		3.97	1.46	−14.87	0.56	0.63	0.73	0.65	0.83	− 1	− 8	− 7	+18	+ 6	−16	+ 5	− 4	−16	− 6										0	0.33
83753	17 07 03.59	+25 20 09.3	10.15	H	256.764 962 76	+25.335 907 50		11.23	−15.05	−121.79	0.87	1.24	1.77	1.05	1.44	+10	−19	+ 1	−11	+ 0	−12	+ 2	+ 7	− 9	+10										0	−0.07
83754	17 07 04.42	+31 05 35.4	8.68	H	256.768 417 70	+31.093 177 86	A	2.71	−6.62	−35.09	1.07	1.30	1.44	1.14	1.54	+16	−17	− 8	−11	− 7	+ 7	− 9	−12	+19	+26										0	1.08
83755	17 07 04.48	−43 42 23.0	9.03	H	256.768 680 58	−43.706 375 26		9.01	−17.01	−50.52	1.89	0.94	2.09	1.77	1.10	− 2	−65	−15	+17	+15	− 4	+31	+46	−30	−26										0	−0.02
83756	17 07 04.92	−09 47 29.8	8.35	H	256.770 516 50	−09.791 611 88		4.34	−0.21	−13.48	0.96	0.55	1.01	1.17	0.64	−21	−10	− 3	+48	− 3	+13	− 3	+54	−19	−24										0	−1.05
83757	17 07 05.34	+04 33 36.8	10.76	H	256.772 244 62	+04.560 235 75		22.12	56.04	−142.52	2.30	1.76	2.36	2.76	2.30	+28	−19	−23	+47	+34	−17	+35	+51	+ 2	+ 5										0	−0.55
83758	17 07 05.59	+37 03 48.8	9.55	H	256.773 284 74	+37.063 560 05		1.68	2.84	−33.38	0.79	0.92	1.05	0.84	1.21	+ 7	+ 0	− 5	− 2	+ 7	+ 9	+10	+ 9	+ 0	+ 0										0	−1.52
83759	17 07 05.79	+31 49 58.9	11.20	2 H	256.774 109 84	+31.833 036 55		6.89	33.26	−126.72	1.38	1.79	2.14	1.49	2.21	+ 1	−10	−28	+10	+12	−11	+ 7	−20	−10	−15										0	−1.04
83760	17 07 06.05	−34 54 33.5	9.78	G	256.775 190 31	−34.909 293 95		−0.14	−27.27	1.68	1.54	0.94	1.72	1.67	1.05	−21	−38	+ 5	− 2	−27	−10	− 6	+62	−18	−35										0	1.21
83761	17 07 06.69	−19 30 20.6	8.99	H	256.777 875 59	−19.505 713 71		15.26	−58.24	−131.47	1.24	0.73	1.31	1.63	0.83	+ 8	−35	+ 6	+15	+14	−12	+11	+46	− 1	+16										0	1.33
83762	17 07 07.78	+21 33 14.7	11.61	2 G	256.782 416 73	+21.554 082 73		73.94	−465.66	−29.36	1.68	1.89	3.01	2.55	2.80	+25	−15	− 9	+25	+34	− 1	+35	+26	−16	+35										1	−0.27
83763	17 07 08.14	+44 15 19.9	8.07	H	256.783 910 29	+44.255 523 03		7.71	−60.94	−31.43	0.62	0.64	0.71	0.85	0.75	+15	−14	− 8	+17	+ 2	− 5	+ 3	+12	− 6	+18										0	1.19
83764	17 07 08.64	+09 00 32.2	7.28	H	256.786 001 20	+09.008 950 46		5.16	−4.09	−5.54	0.86	0.56	1.02	0.88	0.62	+33	−28	− 7	+50	+47	+10	+49	+35	− 5	+39										4	0.43
83765	17 07 10.25	+58 16 08.1	7.22	H	256.792 707 85	+58.268 910 30		5.63	42.15	−48.67	0.51	0.52	0.58	0.54	0.55	− 8	− 2	+ 4	+ 8	− 6	−10	− 9	−18	+ 6	−18										0	0.19
83766	17 07 10.53	−34 30 54.6	9.85	H	256.793 875 64	−34.515 173 19		8.99	−112.10	−91.04	1.42	0.85	1.60	1.60	0.97	−17	−38	− 8	− 3	−23	− 4	− 3	+63	−27	−32										0	0.01
83767	17 07 10.91	+12 07 33.6	7.47	G	256.795 468 84	+12.126 009 46		16.31	66.86	−4.37	0.77	0.59	0.88	0.78	0.68	+28	−40	− 7	+46	+36	− 9	+35	+47	− 7	+36										0	1.88
83768	17 07 11.67	+17 04 14.7	10.20	H	256.798 624 61	+17.070 757 77		17.20	−198.10	52.01	1.22	1.09	1.69	1.60	1.42	+19	−20	−14	− 8	+19	−13	+14	+18	−31	+51										0	1.40
83769	17 07 13.58	−87 17 49.5	8.30	H	256.806 567 71	−87.297 081 70		7.47	0.12	47.89	0.58	0.62	0.72	0.73	0.83	− 1	− 8	+ 9	+ 1	− 2	+ 1	− 1	+ 2	− 6	− 2										0	0.11
83770	17 07 14.36	−02 52 00.3	7.83	H	256.809 813 95	−02.866 743 75		29.68	117.38	−86.83	1.04	0.61	1.16	1.07	0.71	− 9	−47	−15	+47	− 7	−15	− 2	+50	−12	−20										0	0.80
83771	17 07 15.19	+17 47 45.2	8.58	H	256.813 275 22	+17.795 887 52		4.52	−13.03	5.92	0.90	0.75	1.21	0.93	0.83	+12	−22	−36	−26	+14	−10	+ 8	+31	−31	+26										0	0.17
83772	17 07 15.49	+67 38 23.0	10.11	2 H	256.814 530 32	+67.639 715 65		10.71	−21.15	21.96	1.02	1.08	1.05	1.01	1.40	+14	− 7	+ 2	−28	+ 9	−12	+ 9	+ 5	+ 2	+27										3	−0.59
83773	17 07 18.46	−51 00 04.8	8.27	H	256.826 917 11	−51.001 336 71		3.02	−1.54	−5.13	0.96	0.72	1.08	1.19	0.81	−16	− 8	−13	+40	− 4	+26	+ 0	+30	− 5	−12										0	1.31
83774	17 07 18.76	−76 13 25.7	6.68	H	256.828 150 44	−76.223 793 59		11.67	−11.31	−76.10	0.41	0.52	0.62	0.44	0.61	+ 0	− 5	+ 3	− 9	− 8	−12	− 8	−14	− 3	+ 2										5	0.22
83775	17 07 20.21	+21 41 41.7	8.73	H	256.834 220 72	+21.694 918 74		−0.43	−3.63	1.47	0.81	0.92	1.37	1.14	1.35	+32	−17	−12	+33	+32	+ 6	+36	+32	−21	+32										0	0.91
83776	17 07 20.94	−53 05 46.3	8.49	H	256.837 238 44	−53.096 189 04		4.26	−9.53	−16.59	0.98	0.78	1.17	1.08	0.81	−29	− 9	−12	− 3	+25	− 8	+23	−12	− 4	−38										0	0.51
*83777	17 07 21.92	−13 44 27.6	9.32	G	256.841 326 60	−13.741 013 35		8.07	34.28	−7.27	1.44	0.74	1.61	1.56	0.80	− 6	−41	− 5	+29	− 8	+ 3	+ 3	+47	−23	− 8										0	−0.10
*83778	17 07 21.87	−72 34 31.6	8.12	H	256.841 132 02	−72.575 431 62	A	10.39	−20.48	−77.44	1.37	1.77	1.78	1.33	1.85	+11	−13	+ 4	− 2	−14	−13	−14	+ 0	− 3	+ 3										1	0.49
83779	17 07 22.22	−35 53 33.9	8.16	H	256.842 583 94	−35.892 760 21		13.01	20.83	−42.70	1.19	0.76	1.24	1.15	0.86	−41	−46	− 4	+29	−51	− 4	−26	+76	−21	−61										4	0.00
83780	17 07 22.41	+48 23 57.2	6.66	H	256.843 359 66	+48.399 216 62		6.67	−32.15	46.01	0.50	0.49	0.54	0.55	0.58	+ 8	− 5	− 4	+15	+13	−18	+14	+24	−10	+10										0	−1.26
83781	17 07 22.71	−72 34 51.7	11.41	H	256.844 621 37	−72.581 035 32	B	10.39	−20.48	−77.44	134.82	193.13	1.78	1.33	1.85	+10	− 2	+ 6	− 5	− 1	−13	− 2	+ 2	− 3	+ 3										1	0.49
83782	17 07 23.70	−19 14 24.1	9.80	H	256.848 758 68	−19.240 020 88		1.55	14.47	−9.12	1.41	0.88	1.54	2.10	1.03	−11	− 2	− 7	+ 3	−11	− 5	−10	+38	−20	− 8										0	−0.98
83783	17 07 25.53	−43 50 13.1	9.20	H	256.856 387 84	−43.836 974 74		10.50	24.87	−139.41	1.66	0.96	1.79	1.72	1.08	− 9	−52	−11	+28	+16	− 8	+23	+48	−23	−22										0	0.90
83784	17 07 25.72	+11 51 38.9	9.53	H	256.857 146 07	+11.860 800 30		2.16	9.24	3.31	1.19	0.95	1.37	1.31	1.07	+10	−26	− 2	+48	+23	+12	+26	+44	−12	+12										0	0.16
83785	17 07 26.10	−55 43 02.7	8.74	H	256.858 752 07	−55.717 413 74		3.50	−16.63	−27.02	1.00	0.82	1.20	1.07	0.89	− 5	−25	−11	+14	− 7	+11	+ 1	+21	−23	−19										0	−0.63
83786	17 07 26.51	−53 45 19.8	7.85	H	256.860 455 46	−53.755 513 64		5.86	−14.08	−75.20	0.89	0.80	1.21	1.09	0.82	−18	− 4	−41	+ 5	+12	−15	+ 7	+16	−12	−34										0	1.41
*83787	17 07 27.01	−65 44 50.7	6.85	H	256.862 557 57	−65.747 412 50		10.38	−7.18	−56.31	0.47	0.47	0.71	0.59	0.56	− 1	−14	−16	+13	−26	+ 0	−24	+23	+ 3	−21										0	0.28
*83788	17 07 27.00	−19 17 13.6	7.60	H	256.862 517 76	−19.287 103 89		3.96	10.46	−7.68	0.87	0.53	0.96	1.23	0.60	−10	−24	−16	+ 5	−13	− 2	−10	+34	− 9	−10										0	0.35
83789	17 07 28.82	−37 18 27.1	8.11	H	256.870 075 46	−37.307 527 99		2.91	−15.74	−0.73	1.07	0.72	1.10	1.15	0.78	−19	−27	−10	+23	−22	− 2	−14	+67	−16	−28										0	−0.64
83790	17 07 29.18	+14 05 16.5	9.79	H	256.871 588 46	+14.087 913 83		0.10	−4.80	2.50	1.00	0.87	1.40	1.02	0.95	+16	−32	− 3	+25	+23	+ 5	+24	+26	− 5	+27										0	−0.29
*83791 H	17 07 30.00	+38 10 20.6	8.57	H	256.875 013 41	+38.172 377 46	*	8.80	−14.80	9.65	0.64	0.70	0.82	0.72	0.87	+ 2	−11	−17	+16	+ 4	−15	+ 1	+ 4	− 6	− 5										0	−2.08
*83792	17 07 29.95	+14 23 32.1	9.80	H	256.874 800 87	+14.392 239 10		5.84	16.89	−1.68	0.97	0.90	1.50	1.11	1.00	+ 2	−26	+ 8	+19	+19	+15	+16	+23

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
83701	8.395	0.010	7.879	0.010		0.506	0.015	G	0.58	0.02	H	7.9319	0.0012	0.010	97		7.91	7.95					1							S
83702	10.341	0.029	8.883	0.015		1.229	0.026	T	1.19	0.03	L	8.9102	0.0018	0.020	131		8.88	8.95					1							
83703	11.103	0.058	9.427	0.024		1.401	0.050	T	1.38	0.06	L	9.3799	0.0030	0.023	86		9.34	9.42		R			1 S							
83704	8.225	0.012	8.225	0.015		0.005	0.018	T	0.03	0.02	L	8.2243	0.0018	0.014	76		8.21	8.25					1							
83705	9.817	0.021	8.344	0.011		1.241	0.019	T	1.20	0.02	L	8.3705	0.0016	0.018	99		8.34	8.41					1							
83706	6.682	0.005	6.217	0.005		0.438	0.006	T	0.51	0.01	L	6.2440	0.0017	0.014	96		6.22	6.27	16.11	P 1 A	17065−3527	I 1	1							S P
83707	9.397	0.024	8.687	0.021		0.640	0.024	T	0.70	0.02	L	8.7371	0.0040	0.024	73		8.71	8.78					1							
83708	10.084	0.031	9.046	0.022		0.903	0.029	T	0.90	0.02	L	9.0557	0.0020	0.017	88		9.03	9.09		C			1							
83709	8.577	0.011	8.016	0.010		0.558	0.015	G	0.63	0.01	H	8.0725	0.0015	0.010	85		8.05	8.09		C			1							
83710	8.003	0.011	7.478	0.007	*	0.503	0.015	G	0.58	0.02	H *	7.5680	0.0012	0.008	76	*	7.56	7.58		D	17065−1356	I 1	2 C B	BA	186	2.370	0.002	0.03	0.01	S
83711	8.007	0.008	7.719	0.008		0.274	0.011	T	0.31	0.01	L	7.7672	0.0011	0.010	117		7.75	7.78					1							S
83712	10.951	0.047	9.455	0.022		1.259	0.041	T	1.22	0.04	L	9.5022	0.0019	0.018	122		9.47	9.54					1							
83713	11.639	0.099	9.511	0.025		1.799	0.084	T	2.35	0.55	K	9.3136	0.0054	0.038	97		9.26	9.37		U 2			1							
83714	9.692	0.017	7.805	0.008		1.601	0.015	T	1.93	0.06	O	7.6997	0.0059	0.052	199		7.62	7.78		U 2			1 S							S P
83715	9.961	0.026	9.419	0.024		0.508	0.032	T	0.58	0.03	L	9.4268	0.0017	0.018	102		9.40	9.47					1							
83716	9.284	0.016	8.470	0.013	*	0.723	0.003	G	0.77	0.00	H *	8.4408	0.0018	0.014	80	*	8.42	8.46		D	17067+0039	I 1	2 C A	AB	138	0.933	0.009	1.29	0.03	S
83717	10.901	0.043	9.747	0.026		0.991	0.039	T	0.97	0.03	L	9.7914	0.0025	0.028	129		9.75	9.83		C			1							
83718	9.432	0.015	9.091	0.016		0.323	0.020	T	0.37	0.03	L	9.1214	0.0020	0.020	147		9.08	9.16		C			1 X S							
83719	9.759	0.020	9.170	0.019		0.551	0.020	T	0.62	0.02	L	9.2225	0.0026	0.019	94		9.18	9.45		P 1 A			1							
83720	9.920	0.034	9.242	0.031		0.627	0.038	T	0.69	0.03	L	9.2721	0.0037	0.022	66		9.24	9.31					1 S							
83721	7.743	0.007	7.431	0.008		0.296	0.010	T	0.34	0.01	L	7.4731	0.0010	0.008	104		7.46	7.49					1							S
83722	9.258	0.023	8.088	0.015		1.004	0.021	T	0.98	0.02	L	8.1289	0.0019	0.013	66		8.10	8.14		C			1							
83723	10.529	0.053	9.990	0.050	*	0.505	0.066	T	0.58	0.07	L *	9.7816	0.0072	0.044	73	*	9.68	9.83		D	17067−4350	I 1	2 C A	AB	45	0.884	0.012	0.13	0.02	G
83724	7.387	0.005	7.353	0.005		0.036	0.007	T	0.05	0.01	L	7.3753	0.0010	0.012	132		7.36	7.40					1							S
83725	8.868	0.014	8.546	0.015		0.306	0.019	T	0.35	0.03	L	8.5804	0.0023	0.015	73		8.55	8.60					1							
83726	8.771	0.011	8.406	0.012		0.346	0.015	T	0.41	0.02	L	8.4593	0.0014	0.015	138		8.43	8.49		C			1							
83727	11.031	0.045	9.078	0.015		1.620	0.038	T	1.64	0.04	L	8.9495	0.0033	0.030	152		8.90	9.00		U			1							
83728	10.249	0.027	8.589	0.012		1.388	0.023	T	1.36	0.03	L	8.5701	0.0019	0.014	105		8.54	8.59		C			1							
83729	11.640	0.108	10.624	0.073	A	1.085	0.015	G	1.15	0.02	I *	10.3924	0.0030	0.026	92	*	10.34	10.43		D	17068−0749	I 1	2 C A	AB	292	1.602	0.015	0.82	0.04	G
83730	9.293	0.015	7.950	0.009		1.139	0.014	T	1.10	0.01	L	7.9952	0.0017	0.016	125		7.96	8.02					1							S
83731	10.708	0.055	9.067	0.023		1.373	0.047	T	1.34	0.06	L	9.0129	0.0023	0.018	86		8.99	9.05		C			1 G							
83732	10.142	0.032	8.737	0.018		1.187	0.029	T	1.15	0.03	L	8.7558	0.0015	0.011	72		8.74	8.78		C			1							
83733	8.406	0.011	8.125	0.013	*	0.266	0.018	T	0.30	0.02	L *	8.2236	0.0013	0.014	94	*	8.21	8.26		D	17068−3553	I 1	2 C A	AC	23	5.177	0.004	0.07	0.02	
83734	10.785	0.049	10.439	0.057		0.328	0.070	T	0.38	0.09	L	10.3795	0.0041	0.036	104		10.27	10.44					1 S							G
83735											T	11.5740	0.0055	0.051	162		11.50	11.65					1							G
83736	10.094	0.028	9.323	0.023		0.686	0.028	T	0.74	0.02	L	9.3823	0.0024	0.015	72		9.35	9.41		C			1							
83737	11.056	0.070	10.663	0.076		0.372	0.096	T	0.43	0.10	L	10.7931	0.0039	0.035	76		10.73	10.85		C			1							G
83738	6.610	0.006	6.378	0.006		0.209	0.008	G	0.23	0.01	H	6.4070	0.0018	0.012	74		6.38	6.42		M	17069−0139	I 1	1 S							S
83739	9.520	0.016	8.267	0.010		1.068	0.015	T	1.03	0.01	L	8.3082	0.0011	0.013	134		8.28	8.33					1							
83740	6.200	0.003	6.255	0.005		−0.038	0.010	G	−0.01	0.02	A	6.2570	0.0008	0.006	94		6.25	6.27					1							S
83741	11.247	0.069	9.292	0.022		1.622	0.058	T	1.64	0.06	L	9.1837	0.0028	0.020	91		9.15	9.22					1							
83742	9.647	0.022	9.392	0.026		0.239	0.035	T	0.27	0.04	L	9.3715	0.0015	0.015	82		9.35	9.40					1							G
83743	9.712	0.019	7.843	0.009		1.553	0.017	T	1.57	0.02	L	7.7935	0.0019	0.014	98		7.77	7.82					1							S
83744	11.061	0.049	9.883	0.027	B	1.003	0.045	T	1.05	0.05	L	10.1693	0.0436			B				D	17070+0648	I 2	1 C I A							
83745	10.465	0.037	8.604	0.015		1.547	0.032	T	1.61	0.07	L	8.5494	0.0012	0.012	98		8.53	8.57		C			1							
83746	10.196	0.020	9.297	0.015		0.784	0.019	T	0.82	0.01	L	9.3431	0.0017	0.023	193		9.30	9.39		C			1							
83747	10.854	0.046	9.767	0.028	A	0.931	0.043	T	0.98	0.05	L	9.9778	0.0383	0.156	103	A	9.65	10.14		D	17070+0648	I 2	1 C P A							
83748	10.545	0.044	9.230	0.025		1.117	0.040	T	1.08	0.04	L	9.2731	0.0023	0.014	74		9.25	9.30		C			1							
83749	7.918	0.011	7.838	0.012		0.072	0.015	T	0.08	0.02	L	7.8822	0.0017	0.016	79		7.86	7.91					1							S
83750	10.113	0.028	9.638	0.028		0.447	0.036	T	0.52	0.04	L	9.7290	0.0031	0.024	113		9.68	9.78					1							
83751	9.386	0.014	8.738	0.012		0.594	0.014	T	0.66	0.01	L	8.7986	0.0016	0.017	140		8.77	8.82					1							
83752	9.283	0.013	8.044	0.008		1.057	0.012	T	1.02	0.01	L	8.0959	0.0012	0.016	136		8.07	8.12		C			1							S
83753	11.191	0.043	10.180	0.027		0.871	0.040	T	0.88	0.03	L	10.2940	0.0029	0.037	179		10.20	10.36					1 S							G
83754	8.916	0.011	8.716	0.013	A	0.191	0.016	T	0.21	0.02	L	8.7412	0.0209	0.021	135	A	8.71	8.79			17071+3106	I 1	2 C D	AB	272	19.079	0.099	3.56	0.49	D
83755	9.832	0.028	9.125	0.024		0.651	0.030	T	0.71	0.03	L	9.1641	0.0023	0.023	74		9.13	9.20		R			1							
83756	8.903	0.011	8.397	0.011		0.476	0.014	T	0.55	0.01	L	8.4524	0.0015	0.013	128		8.43	8.47		C			1							
83757	12.530	0.306	10.996	0.129							T	10.8877	0.0059	0.031	58		10.80	10.97					1							G
83758	10.891	0.045	9.658	0.025		1.053	0.040	T	1.02	0.03	L	9.7138	0.0019	0.022	133		9.67	9.76					1							
83759	12.238	0.160	11.213	0.096		0.893	0.140	T	0.90	0.10	L	11.3608	0.0067	0.056	136		11.19	11.45		U 2			1							G
83760	12.228	0.172	10.136	0.043		1.791	0.008	G	3.12	0.02	I	9.8758	0.0028	0.023	105		9.83	9.91					1							G G
83761	9.847	0.027	9.037	0.022		0.716	0.027	T	0.77	0.02	L	9.1249	0.0026	0.018	81		9.10	9.15		C			1							
83762						1.560	0.015	G	2.48	0.06	I	11.6697	0.0041	0.047	134		11.55	11.74		U			1							D
83763	8.757	0.011	8.145	0.010		0.570	0.013	T	0.64	0.01	L	8.1955	0.0012	0.014	109		8.16	8.22		C			1							S
83764	7.309	0.005	7.280	0.006		0.033	0.001	G	0.05	0.00	H	7.2989	0.0009	0.009	92		7.29	7.32					1							S
83765	8.663	0.011	7.348	0.007		1.117	0.010	T	1.08	0.01	L	7.3867	0.0010	0.010	104		7.37	7.40		C			1							S
83766	10.594	0.042	9.896	0.038		0.631	0.043	T	0.70	0.04	L	9.9834	0.0026	0.019	104		9.95	10.02		C			1							G
83767	8.010	0.012	7.534	0.010		0.448	0.014	T	0.52	0.01	L	7.5799	0.0014	0.008	81		7.57	7.59		C			1							S
83768	11.201	0.062	10.275	0.044		0.819	0.056	T	0.84	0.04	L	10.3558	0.0052	0.043	104		10.28	10.41					1							G
83769	8.795	0.010	8.342	0.010		0.441	0.011	T	0.51	0.01	L	8.3948	0.0011	0.013	126		8.37	8.42					1							S
83770	8.747	0.012	7.912	0.009		0.735	0.011	T	0.78	0.01	L	7.9706	0.0014	0.013	82		7.95	7.99		C			1 G							S
83771	8.859	0.012	8.610	0.014		0.268	0.015	G	0.30	0.02	H	8.6552	0.0018	0.018	105		8.61	8.70					1							
83772	10.971	0.050	10.200	0.040		0.686	0.049	T	0.74	0.04	L	10.2463	0.0056	0.041	97		10.19	10.31		U			1							
83773	9.730	0.032	8.402	0.019		1.127	0.029	T	1.09	0.03	L	8.4390	0.0018	0.013	74		8.42	8.46		C			1							
83774	6.859	0.004	6.702	0.004		0.151	0.005	T	0.17	0.01	L	6.7297	0.0010	0.011	171		6.71	6.75					1							S
83775	10.710	0.030	8.894	0.012		1.511	0.026	T	1.54	0.04	L	8.8582	0.0025	0.024	152		8.81	8.89					1 S							
83776	8.534	0.014	8.498	0.018		0.033	0.020	T	0.05	0.02	L	8.5069	0.0030	0.016	72		8.48	8.54					1							
83777	9.912	0.027	9.435	0.026		0.509	0.020	G	0.58	0.02	H	9.4523	0.0023	0.017	83		9.42	9.48		C			1							
83778	8.698	0.009	8.168	0.008	A	0.506	0.009	T	0.58	0.01	L	8.2359	0.0310	0.025	190	A	8.19	8.27		D	17074−7235	I 2	1 C P B							S
83779	8.728	0.012	8.212	0.011		0.494	0.012	T	0.57	0.01	L	8.2718	0.0013	0.011	108		8.25	8.30		C			1							
83780	8.117	0.008	6.781	0.005		1.133	0.007	T	1.10	0.01	L	6.8271	0.0008	0.008	112		6.81	6.84		C			1							S
83781	11.822	0.125	10.962	0.086	B	0.770	0.114	T	0.81	0.08	L	11.2187	0.3964			B				D	17074−7235	I 2	1 C F B							
83782	10.398	0.043	9.811	0.040		0.504	0.020	G	0.58	0.02	H	9.9149	0.0032	0.027	85		9.87	9.96		C			1							G
83783	9.949	0.033	9.302	0.030		0.593	0.033	T	0.66	0.03	L	9.3323	0.0023	0.020	75		9.30	9.36					1							
83784	10.779	0.054	9.630	0.031		0.987	0.049	T	0.97	0.04	L	9.6961	0.0033	0.023	87		9.66	9.74		C			1							
83785	10.123	0.034	8.882	0.021		1.059	0.031	T	1.03	0.03	L	8.9048	0.0021	0.016	76		8.87	8.94		C			1							
83786	8.065	0.010	7.877	0.010		0.180	0.013	T	0.20	0.01	L	7.9069	0.0020	0.014	69		7.88	7.93			17074−5345	I 1	1							S
83787	7.315	0.005	6.890	0.005		0.401	0.007	T	0.47	0.01	L	6.9455	0.0007	0.008	158		6.93	6.96		C			1							S
83788	9.493	0.020	7.757	0.009		1.448	0.017	T	1.45	0.03	L	7.7322	0.0012	0.012	84		7.72	7.75		C			1							
83789	9.908	0.025	8.277	0.012		1.365	0.022	T	1.33	0.03	L	8.2611	0.0012	0.012	89		8.24	8.28		C			1							
83790	10.211	0.028	9.789	0.031		0.399	0.039	T	0.46	0.04	L	9.8790	0.0026	0.024	115		9.83	9.93		C			1							
83791	9.209	0.012	8.626	0.011	*	0.545	0.014	T	0.62	0.01	L *	8.6911	0.0017	0.019	146	*	8.66	8.74			17075+3810	M 1	2 C S A	AB	263	0.140	0.006	0.32	0.44	
83792	11.089	0.047	9.863	0.026		1.047	0.042	T	1.02	0.03	L	9.9703	0.0029	0.026	124		9.92	10.04					1							
83793	8.453	0.013	7.977	0.010		0.458	0.015	G	0.53	0.02	H	8.0352	0.0017	0.012	87		8.01	8.05		C			1							S
83794	8.921	0.013	7.565	0.008		1.140	0.020	G	1.08	0.02	A	7.6061	0.0013	0.011	99		7.59	7.63		C			1							S
83795	9.681	0.026	8.930	0.022		0.671	0.026	T	0.73	0.02	L	8.9976	0.0019	0.015	67		8.98	9.02		C			1							
83796	8.571	0.012	8.075	0.012		0.473	0.015	G	0.54	0.02	H	8.1331	0.0016	0.013	79		8.11	8.16		C			1							S
83797	10.871	0.076	9.489	0.038		1.111	0.005	G	1.07	0.01	H	9.5304	0.0034	0.018	57		9.50	9.57		C			1							G
83798	9.573	0.020	8.984	0.019	*	0.551	0.021	T	0.62	0.02	L *	9.0060	0.0022	0.018	98	*	8.98	9.03		D	17076−3036	I 1	2 C A	AB	181	0.224	0.004	0.41	0.08	
83799	8.459	0.013	7.920	0.010		0.518	0.015	G	0.59	0.02	H	7.9853	0.0014	0.011	99		7.96	8.00		C			1							S
83800	9.265	0.013	8.899	0.014		0.347	0.018	T	0.41	0.02	L	8.9531	0.0017	0.017	136		8.92	8.99		C			1							S

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg		Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)												Soln F1 %	F2
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
83801	17 07 34.30	−35 12 02.6	8.19	H	256.892 933 15	−35.200 736 09		3.27	3.40	−2.06	1.01	0.68	1.08	1.08	0.76	−34	−24	+ 2	+21	−35	− 3	−22	+70	−20	−44		0	0.36
83802	17 07 35.24	−46 40 47.0	6.89	1 H	256.896 833 89	−46.679 717 35		11.17	−101.76	14.29	0.71	0.49	0.82	0.72	0.51	−18	−36	− 5	+ 7	+ 1	+10	+ 7	+28	−19	−18		0	−1.80
83803	17 07 35.57	−17 24 48.8	10.18	H	256.898 220 01	−17.413 552 61		3.44	−5.27	−9.99	1.81	1.11	2.13	2.05	1.22	−21	−34	−24	+17	−30	+22	−11	+53	−29	−42		0	−1.08
83804	17 07 36.55	−27 43 51.7	8.53	H	256.902 297 48	−27.731 040 79		3.29	−6.43	−14.06	1.27	0.80	1.37	1.66	0.92	−26	−33	−11	+19	−25	+28	−14	+73	−24	−36		0	−0.71
83805	17 07 37.87	−12 20 45.8	10.27	G	256.907 807 01	−12.346 064 62		0.63	7.40	−0.05	1.81	1.11	2.14	1.80	1.13	− 3	−32	−27	+10	−30	+23	− 9	+48	−29	−35		0	0.45
83806	17 07 39.09	−30 18 01.8	9.46	H	256.912 890 69	−30.300 490 76		6.58	−62.69	−43.42	1.50	0.86	1.64	1.59	0.93	−14	−35	− 6	+15	−21	+ 4	− 9	+66	−24	−19		0	0.69
83807	17 07 39.44	−44 41 59.6	8.73	2 H	256.914 318 16	−44.699 895 92		4.79	− 6.33	−26.06	1.24	0.93	1.27	1.61	1.03	−24	−16	+17	+45	+ 1	+16	− 8	+66	− 1	−11		0	−0.84
83808	17 07 39.59	+13 31 39.5	9.86	H	256.914 941 03	+13.527 651 05		2.58	− 7.88	10.81	1.34	1.06	1.65	1.29	1.20	+19	−44	− 8	+21	+32	− 8	+35	+31	−19	+33		0	−0.53
83809	17 07 40.60	−27 42 07.9	8.89	H	256.919 168 88	−27.702 205 67		6.29	−17.49	−4.64	1.42	0.96	1.46	2.00	1.10	−24	−16	−22	+32	−36	+24	−22	+78	−27	−40		0	0.56
83810	17 07 41.34	+15 12 37.6	7.89	H	256.922 246 94	+15.210 438 54		9.83	−52.42	2.51	0.58	0.60	0.98	0.78	0.69	− 6	−20	+10	+ 9	+29	+24	+21	+27	− 3	+32		1	−0.03
83811	17 07 42.25	+35 56 49.1	10.51	H	256.926 034 68	+35.946 974 64	A	10.05	− 3.82	2.36	1.95	2.19	2.35	2.09	2.83	+ 0	− 3	− 1	+ 6	+ 7	− 7	+ 4	− 1	−14	−17		1	0.91
83812	17 07 44.20	−31 04 39.3	7.12	H	256.934 160 04	−31.077 591 23		5.93	27.59	−42.38	0.86	0.53	0.88	1.01	0.58	+ 3	−32	−23	+36	− 9	+ 0	+ 0	+68	−28	+ 0		0	1.17
83813	17 07 44.42	−18 33 30.5	8.63	H	256.935 073 79	−18.558 468 27		2.66	4.97	7.76	1.26	0.71	1.42	1.65	0.78	− 5	−33	−11	+20	+ 2	−15	+ 6	+36	−20	− 5		5	−2.08
83814	17 07 45.57	+24 34 59.9	8.44	2 H	256.939 876 17	+24.583 302 90		4.59	− 3.05	72.98	0.38	0.72	1.00	0.45	0.91	+16	−13	−10	+ 1	+ 6	+ 3	+10	+15	−18	+ 4		0	−0.49
83815	17 07 46.68	+27 08 16.2	7.99	H	256.944 485 62	+27.137 835 73		12.71	−41.20	22.47	0.52	0.71	0.94	0.68	0.90	+ 1	− 7	− 9	+11	+ 1	− 1	+ 1	+28	+ 2	− 2		0	−1.93
83816	17 07 46.71	+40 30 58.1	6.34	H	256.944 615 56	+40.516 139 69		6.82	−37.00	−35.26	0.65	0.50	0.58	0.96	0.67	− 7	−27	− 3	−56	+ 4	+20	− 6	−17	+ 7	+18		0	−0.36
83817	17 07 47.38	−63 50 11.7	7.71	H	256.947 424 43	−63.836 595 47		5.27	−16.55	−14.36	0.52	0.48	0.85	0.59	0.54	+ 7	−28	−10	+ 8	−33	+15	−29	+34	+ 8	− 8		1	0.75
83818	17 07 48.16	−42 58 36.4	8.21	H	256.950 678 74	−42.976 771 80		3.50	− 6.04	− 5.85	1.28	0.70	1.25	1.45	0.76	+23	−43	−23	+46	+32	− 2	+36	+62	−26	+11		2	2.30
83819	17 07 48.43	+55 46 04.9	6.87	H	256.951 802 53	+55.768 027 44		6.27	2.11	40.80	0.55	0.52	0.57	0.61	0.60	+ 5	+ 3	−12	−23	− 3	+ 9	− 3	+ 0	+10	+11		0	−0.45
*83820	17 07 50.09	−67 11 16.5	7.38	H	256.958 724 23	−67.187 927 57		3.25	−11.23	−15.35	0.45	0.52	0.73	0.52	0.61	− 8	−21	+ 3	+13	−17	− 1	−20	+29	+20	− 7		0	−1.46
*83821	17 07 50.08	−14 41 32.3	8.84	H	256.958 665 75	−14.692 311 50		2.83	− 2.77	− 2.34	1.23	0.69	1.37	1.11	0.73	−14	−48	− 8	+16	−24	+ 7	− 8	+48	−19	−34		2	1.04
83822	17 07 51.14	+56 10 15.0	7.89	G	256.963 084 55	+56.170 821 20		14.25	−52.92	83.60	0.63	0.62	0.66	0.76	0.81	− 5	+13	− 4	−25	+ 2	+ 7	+ 5	+ 2	+ 7	−12		0	0.16
83823	17 07 51.21	−25 27 30.8	8.52	H	256.963 395 29	−25.458 559 92		2.52	− 3.55	−15.50	1.24	0.64	1.30	1.59	0.73	+20	−33	−13	+12	− 7	−17	+ 7	+61	−33	+19		2	0.08
83824	17 07 54.62	+18 34 19.1	9.91	H	256.977 584 47	+18.571 983 51		2.64	− 8.33	−15.31	1.01	1.07	1.56	1.34	1.36	+12	− 8	+ 6	+23	+45	+14	+38	+38	+ 8	+51		0	0.24
83825	17 07 54.79	+45 35 45.7	9.70	H	256.978 308 66	+45.596 039 74		2.63	0.62	− 4.73	0.93	0.90	1.02	0.98	0.98	+13	−11	+ 7	−25	− 3	−14	− 3	+ 8	+ 4	+17		1	0.21
83826	17 07 55.76	+76 45 10.4	8.74	H	256.982 327 46	+76.752 883 54		2.52	− 4.13	− 0.53	0.59	0.62	0.64	0.58	0.76	+ 3	−14	+12	− 2	+12	− 1	+15	+15	− 9	+10		0	0.19
83827	17 07 55.94	+32 06 20.1	7.21	H	256.983 086 92	+32.105 586 23		27.68	−161.87	−41.72	0.46	0.56	0.71	0.52	0.72	− 3	− 9	−26	+18	+ 1	−17	− 3	+15	−14	−16		0	−2.03
83828	17 07 56.20	−24 59 53.3	7.15	H	256.984 175 50	−24.998 130 86		1.03	− 0.61	− 3.92	0.90	0.52	0.96	1.35	0.61	+ 4	−21	+ 0	+ 6	− 4	−15	− 6	+60	−19	+24		0	−0.12
83829	17 07 59.07	+52 19 03.9	8.70	H	256.996 128 41	+52.317 746 58		7.64	−22.29	−16.67	0.66	0.74	0.74	0.79	0.92	+ 9	− 5	+15	+21	+17	+ 3	+17	+13	+ 5	+12		0	−0.40
83830	17 07 59.15	+27 06 05.0	7.69	2 H	256.996 460 10	+27.101 387 82		7.22	− 7.30	9.93	0.49	0.68	0.91	0.64	0.88	− 1	−10	−13	+ 6	− 3	−12	− 4	+22	− 1	− 5		0	−1.15
83831	17 07 59.40	+10 33 54.4	10.29	H	256.997 486 90	+10.565 107 32		2.53	− 9.37	17.48	1.42	1.09	1.70	1.48	1.29	+29	−22	− 2	+46	+38	+ 0	+39	+37	+ 0	+29		0	0.62
83832	17 07 59.48	+29 09 15.2	7.93	H	256.997 825 65	+29.154 215 18		5.39	−26.39	11.63	0.54	0.68	0.87	0.68	0.92	+ 2	− 4	− 8	− 1	− 1	− 2	− 2	−14	+ 1	− 3		1	−0.77
83833	17 08 00.21	−71 00 00.4	9.67	H	257.000 866 82	−71.000 121 90		−0.37	− 5.68	− 5.96	0.69	1.03	1.43	0.70	1.19	+12	−13	− 3	+10	−14	−14	−15	+14	−11	+ 6		0	−1.80
83834 T	17 08 00.70	+31 12 22.5	6.44	H	257.002 900 75	+31.206 236 62		3.19	− 3.13	−19.36	0.49	0.53	0.69	0.63	0.69	+17	−12	−21	+ 0	− 4	+ 0	− 4	− 7	+ 7	+27		0	−0.36
83835	17 08 00.86	+44 10 09.9	7.86	H	257.003 589 41	+44.169 417 79		2.21	6.77	− 7.17	0.60	0.66	0.70	0.76	0.78	+16	−14	− 5	+ 9	− 2	− 9	− 1	+12	− 5	+12		0	−0.27
83836	17 08 01.36	+02 51 34.5	8.95	H	257.005 675 48	+02.859 587 62		5.85	−44.29	−6.85	1.22	1.14	1.23	1.54	1.40	−37	− 4	−11	+62	−39	+ 9	−37	+79	−15	−40		0	0.02
83837	17 08 02.04	−04 19 40.7	8.49	H	257.008 513 66	−04.327 981 83		3.78	− 7.83	6.61	0.93	0.64	1.03	1.12	0.75	−21	−36	+ 6	+17	− 6	+ 7	− 8	+39	− 3	− 6		0	−0.87
83838	17 08 02.08	+35 56 06.8	5.41	1 H	257.008 670 45	+35.935 215 04	+	18.55	−24.25	−17.05	0.46	0.61	0.61	0.52	0.96	−10	−14	− 3	+ 2	+13	− 9	+13	−37	−23	−21		1	−0.93
83839	17 08 02.51	+10 18 13.6	8.47	H	257.010 460 33	+10.303 781 79		4.59	− 1.04	8.43	1.03	0.74	1.23	1.03	0.83	+33	−48	−21	+45	+41	−15	+37	+38	− 3	+35		4	−0.45
83840	17 08 02.66	−25 08 35.4	9.60	H	257.011 080 48	−25.143 162 02		6.49	10.74	−24.98	1.50	0.78	1.71	2.22	0.92	+ 7	−16	−26	− 1	−19	−14	−12	+52	−44	+17		0	0.15
83841	17 08 03.29	+42 06 00.6	9.37	H	257.013 699 86	+42.100 175 10		4.96	9.81	12.73	0.80	0.83	0.91	0.81	0.95	+13	− 1	− 7	+ 2	+11	− 7	+10	+27	− 4	+19		4	4.32
*83842	17 08 05.21	+35 48 44.4	10.13	H	257.021 716 22	+35.812 319 61		3.53	2.97	9.12	1.79	1.90	2.38	2.14	2.58	+ 2	− 6	−22	+ 2	+ 4	+ 0	+ 6	+ 6	−20	−12		0	
*83843	17 08 05.17	−41 15 20.5	8.76	H	257.021 545 42	−41.255 691 84		6.37	25.62	−47.09	1.30	0.80	1.50	1.39	0.85	+ 5	−41	−24	+20	+14	+ 1	+22	+47	−27	− 4		0	−1.44
83844	17 08 05.33	+17 57 39.5	10.47	H	257.022 200 20	+17.960 964 21		11.09	−350.68	−191.39	1.39	1.35	2.07	1.76	1.59	+ 4	−16	−40	−30	+ 6	− 5	+ 8	+30	−25	− 4		2	2.29
83845 H	17 08 05.63	−41 36 52.7	7.00	H	257.023 467 70	−41.614 643 29	*	6.98	−19.47	−42.12	0.97	0.56	1.08	0.95	0.60	+ 6	−53	−19	+20	+14	− 1	+24	+52	−25	− 6		0	1.94
83846	17 08 07.46	−41 43 23.5	8.30	G	257.031 074 43	−41.723 194 29		44.44	−208.09	−316.32	1.40	0.78	1.52	1.61	1.01	+25	−62	−32	− 7	+18	+12	+25	+12	−26	−35		0	−0.29
83847	17 08 07.56	+61 09 34.1	6.72	H	257.031 496 26	+61.159 468 53		9.15	−20.69	62.04	0.49	0.52	0.54	0.52	0.64	+12	−26	−21	− 9	+ 3	+ 0	+ 3	− 9	+ 4	+21		1	−1.12
83848	17 08 07.67	−41 00 45.1	9.61	G	257.031 976 63	−41.012 523 92		4.06	−10.83	−15.57	1.48	0.91	1.63	1.60	0.96	−10	−34	− 5	+16	+ 8	− 1	+12	+43	−18	−13		0	−0.10
83849	17 08 08.30	−48 53 01.4	6.93	H	257.034 596 65	−48.883 708 58		4.50	−14.17	−27.07	0.88	0.67	1.00	1.30	0.72	+ 5	−16	−28	+13	+43	−31	+30	+38	−10	+11		0	−0.81
83850 H	17 08 08.80	−18 26 15.2	9.58	H	257.036 664 29	−18.437 566 92	A	3.40	8.60	−9.56	3.56	1.85	3.53	4.45	1.79	− 6	−30	−21	+26	−14	+12	+ 3	+32	−41	− 5		3	0.00
83851	17 08 09.96	+01 43 11.0	10.43	H	257.041 512 12	+01.719 709 51	B	33.62	−19.07	−175.30	38.39	25.79	7.87	31.92	19.31	− 9	−10	+ 6	+ 5	− 1	−19	+ 0	+ 5	+ 0	−13		38	3.91
83852	17 08 10.84	+01 43 09.9	9.49	H	257.045 180 89	+01.719 427 66	A	33.62	−155.57	−132.70	9.82	6.15	7.87	13.23	7.62	+ 1	−40	+23	+46	− 8	−45	+ 5	+50	+ 0	+ 0		38	3.91
83853 H	17 08 13.66	−01 04 45.8	6.06	H	257.056 900 56	−01.079 377 67	A	12.00	−10.55	−40.37	0.99	0.77	0.96	0.99	0.67	−15	−31	−15	+25	−22	−24	−19	+57	− 6	−34		1	−0.04
83854	17 08 14.85	−17 36 32.3	5.98	H	257.061 884 69	−17.608 966 64		8.13	4.62	−34.99	0.84	0.58	0.93	0.96	0.64	−27	−26	−30	+31	−37	+14	−22	+59	−29	−48		0	0.47
83855	17 08 15.76	+16 05 38.3	6.67	H	257.065 662 75	+16.093 960 07		12.47	−48.75	−13.68	0.57	0.51	0.88	0.70	0.64	+ 7	−30	+ 4	+ 6	+28	+19	+21	+33	− 6	+40		0	0.98
83856	17 08 16.82	+30 10 29.4	8.74	H	257.070 073 12	+30.174 837 13		3.46	5.64	−6.52	0.58	0.78	0.96	0.63	0.97	− 7	−12	−11	+14	+ 7	−24	+ 4	− 9	+ 7	−11		0	−0.36
83857	17 08 17.08	+50 50 32.0	6.46	H	257.071 174 76	+50.842 209 64		4.73	− 7.66	25.66	0.48	0.46	0.50	0.53	0.53	+11	− 1	+ 2	+ 8	+16	− 8	+16	+19	+ 4	+14		4	−0.68
83858	17 08 17.29	−41 01 28.2	6.89	1 H	257.072 039 74	−41.024 494 31		1.65	− 1.90	− 4.36	0.87	0.52	0.94	0.90	0.55	− 1	−42	−12	+29	+ 9	+ 0	+14	+50	−20	− 1		0	1.42
83859	17 08 19.12	−28 06 10.2	8.55	H	257.079 666 23	−28.102 823 42		4.69	− 1.99	− 3.43	1.13	0.60	1.23	1.20	0.66	−25	−45	+ 3	+ 5	−17	− 5	− 2	+54	−20	−32		0	2.25
83860	17 08 19.88	+37 46 47.2	8.82	H	257.082 828 69	+37.779 774 00		2.85	−14.61	9.59	0.65	0.68	0.80	0.72	0.86	− 1	−16	− 3	+15	+ 1	−11	+ 2	+19	− 7	− 8		0	−2.21
83861	17 08 21.00	−33 51 55.4	8.73	H	257.087 515 78	−33.865 375 60		1.27	3.03	− 3.17	1.16	0.67	1.28	1.39	0.76	−25	−28	−12	+18	−18	−14	− 8	+66	−25	−32		2	−0.31
83862	17 08 21.32	+28 14 02.6	7.07	H	257.088 829 62	+28.234 053 53		13.99	− 5.00	−133.05	0.43	0.55	0.71	0.52	0.68	+ 6	−13	−18	− 8	− 5	−10	− 6	+ 1	+ 0	− 7		0	0.63
83863	17 08 21.44	+04 25 29.9	7.25	H	257.089 349 81	+04.424 984 71		18.21	−52.68	−202.54	0.85	0.77	0.97	1.03	1.00	− 5	− 9	−12	+36	+ 1	− 3	+10	+56	+ 5	−32		0	−1.14
83864	17 08 23.10	+05 24 10.7	9.50	H	257.096 242 25	+05.402 959 67		4.15	− 1.89	−16.14	1.46	1.03	1.79	1.75	1.19	+32	−18	− 6	+44	+58	− 6	+56	+30	+ 3	+40		0	−0.10
83865	17 08 23.24	+78 49 43.7	8.50	H	257.096 823 60	+78.828 808 12		0.70	− 3.38	− 0.88	0.65	0.56	0.72	0.79	0.80	+15	−19	−12	− 5	+ 8	+ 1	+11	− 2	− 8	+ 6		0	−0.57
83866	17 08 24.50	+64 19 08.7	9.65	3 H	257.102 087 18	+64.319 081 97		0.93	2.41	4.67	0.83	0.99	0.98	0.81	1.18	−15	−19	− 3	+ 0	−18	+19	−20	+ 3	− 4	−29		1	1.37
83867	17 08 25.09	−12 02 00.0	7.70	H	257.104 535 79	−12.033 326 19		12.74	−61.43	− 5.64	0.89	0.56	1.05	0.92	0.59	− 5	−32	−27	+12	−30	+17	−11	+48	−24	−38		2	2.21
83868	17 08 25.30	+20 21 18.9	8.91	2 H	257.105 412 53	+20.355 249 53		0.92	−14.33	11.51	0.78	0.83	1.16	0.84	0.92	+ 1	−17	−11	+13	+29	+ 1	+30	+22	−12	+25		0	0.18
83869	17 08 26.68	−76 03 33.7	12.02	2 H	257.111 164 07	−76.059 365 09		0.35	13.94	− 6.27	4.90	5.75	7.40	5.81	6.47	+ 2	−10	+ 0	− 2	− 6	− 5	− 7	−16	− 3	− 8		2	
83870	17 08 29.65	+72 08 00.5	7.46	H	257.123 522 26	+72.133 461 10		4.56	− 1.20	54.94	0.57	0.58	0.61	0.58	0.73	+21	−22	−21	−20	− 6	+ 2	− 4	−19	+ 0	+32		3	1.53
83871	17 08 30.94	−29 59 07.8	7.82	H	257.128 897 24	−29.985 490 17		4.47	−19.72	− 2.44	0.99	0.57	1.10	0.99	0.61	−23	−37	+ 0	+ 7	−32	+ 1	−15	+63	−24	−32		0	−0.28
83872	17 08 31.70	+35 02 01.5	6.73	H	257.132 103 28	+35.033 748 47		8.38	−44.56	94.99	0.42	0.49	0.58	0.50	0.65	+ 6	− 3	− 6	+12	+ 7	+ 1	+ 9	+ 5	− 2	+15		1	−2.10
83873	17 08 32.47	−20 13 03.0	7.79	H	257.135 299 03	−20.217 502 78		6.58	6.22	−11.76	0.91	0.53	1.00	1.01	0.59	+ 5	−34	− 9	− 4	−17	−17	− 9	+21	−16	− 5		0	1.21
83874	17 08 32.74	−36 38 34.2	7.68	H	257.136 406 69	−36.642 830 78		21.84	44.94	−84.74	1.01	0.72	1.08	1.20	0.80	−23	−30	−17	+25	−29	+20	−19	+74	−25	−29		0	0.07
83875	17 08 33.33	−23 13 37.9	8.73	H	257.138 894 66	−23.227 195 89		17.30	−71.96	−47.29	1.22	0.62	1.27	1.32	0.65	+19	−48	−28	+25	− 1	− 4	+10	+49	−18	− 7		4	1.68
83876	17 08 33.54	+24 29 11.8	6.84	H	257.139 761 78	+24.486 607 18		8.90	8.95	−49.27	0.29	0.50	0.69	0.34	0.61	+13	−15	−16	− 1	+ 6	− 1	+10	+18	−16	+ 3		0	−0.45
83877	17 08 35.50	−46 53 35.3	9.69	H	257.147 913 44	−46.893 146 96		12.37	9.93	26.99	1.25	0.88	1.52	1.29	0.91	−14	−38	− 8	+ 7	+ 3	− 4	+10	+24	−25	− 8		2	1.62
83878 H	17 08 36.61	−26 50 12.2	8.62	H	257.152 521 70	−26.836 725 19	A	3.87	−0.92	− 8.98	1.88	1.12	1.84	1.92	1.11	− 1	−15	− 8	+ 5	−34	− 3	−17	+59	−34	−17		1	2.11
83879	17 08 38.58	−40 50 59.4	8.46	H	257.160 734 71	−40.849 843 23		0.66	− 4.79	− 6.73	1.16	0.74	1.28	1.32	0.76	− 9	−19	−12	+24	+ 5	+ 3	+ 6	+49	−17	− 8		2	0.63
83880	17 08 39.17	−39 59 41.6	9.32	H	257.163 197 80	−39.994 900 65		0.32	− 0.69	− 7.42	1.47	0.91	1.68	1.56	0.96	− 4	−37	−28	+16	−11	+ 3	+ 2	+56	−31	−15		4	0.46
83881	17 08 39.66	−07 38 01.3	8.85	H	257.165 241 49	−07.633 683 48		7.01	−10.55	− 9.43	1.25	0.69	1.48	1.48	0.80	− 8	−46	+ 8	+46	+12	−21	+18	+52	−20	+14		0	2.03
83882	17 08 40.22	−42 41 41.0	9.09	1 G	257.167 570 38	−42.694 714 25	A	4.25	− 2.70	− 4.69	2.64	1.47	2.46	2.75	1.43	+38	−42	−32	+42	+48	−14	+49	+52	−26	+34		0	0.71
83883 H	17 08 40.35	−49 54 41.1	9.30	H	257.168 105 51	−49.911 418 71	A	9.22	1.51	−21.41	2.19	1.80	2.11	3.06	2.09	− 1	−18	−14	+ 9	+25	−18	+20	+ 9	− 4	+ 8		6	0.35
83884	17 08 41.43	+72 21 56.3	10.09	H	257.172 631 64	+72.365 648 63		4.34	1.65	10.15	0.91	0.90	0.97	0.99	1.22	+23	−22	−14	−11	− 6	− 2	− 5	− 1	+15	+34		0	0.80
83885 H	17 08 41.85	+49 45 19.9	9.32	H	257.174 389 07	+49.755 531 15	A	5.84	−33.88	−74.25	1.42	1.55	1.44	1.56	1.99	+ 6	− 7	+ 8	+32	+ 9	− 1	+ 8	+23	−16	− 4		0	−0.62
83886	17 08 42.94	−39 20 16.7	7.66	H	257.178 909 20	−39.337 984 58		2.92	−10.66	−16.33	0.85	0.61	0.89	1.10	0.67	−16	− 9	− 3	+36	− 1	+25	− 5	+67	− 5	− 8		0	−0.58
83887 H	17 08 43.79	+47 38 21.0	8.54	G	257.182 477 17	+47.639 153 95	*	2.37	11.76	−13.20	1.95	1.30	0.91	0.96	0.97	+20	+ 6	−11	+16	+ 2	− 2	+ 2	+26	−14	+ 1		1	−0.59
83888	17 08 43.98	−64 50 47.4	8.02	H	257.183 269 97	−64.846 512 55		2.60	−10.81	−17.83	0.65	0.58	0.98	0.81	0.64	+ 2	−20	− 9	+13	−39	−11	−34	+25	+ 4	−20		0	−0.16
83889	17 08 44.04	−02 06 30.9	8.71	H	257.183 519 23	−02.108 572 83		15.02	31.78	−44.11	1.12	0.80	1.45	1.37	0.92	+ 1	−22	−31	+23	+22	−34	+14	+35	+ 1	−14		0	0.87
83890	17 08 44.80	−06 23 31.3	9.05	H	257.186 652 15	−06.392 017 53		0.51	− 3.22	− 0.77	1.31	0.74	1.45	2.09	0.93	− 9	+ 1	− 3	+40	+ 8	+ 5	+ 4	+44	−27	− 3		2	0.84
83891	17 08 45.78	+09 11 10.1	8.88	2 H	257.190 748 32	+09.186 149 15		5.01	5.33	2.06	1.08	0.72	1.22	1.09	0.77	+19	−38	− 3	+53	+33	− 1	+35	+36	− 8	+29		0	0.53
*83892	17 08 46.60	+29 31 23.4	8.53	H	257.194 160 10	+29.523 152 83		2.58	− 1.05	0.10	0.65	0.89	1.10	0.72	1.02	+ 3	−22	−30	−11	+10	−11	+ 4	−27	+15	− 7		0	0.06
*83893	17 08 46.56	−47 22 04.4	10.15	H	257.193 986 66	−47.367 881 59		0.56	− 7.18	−27.61	2.20	1.57	2.63	2.49	1.67	−18	−24	+ 6	+ 1	+ 4	− 6	+ 7	+12	−21	− 5		0	1.81
83894	17 08 46.71	−55 29 28.2	9.45	H	257.194 609 91	−55.491 174 64		9.77	17.05	−57.77	1.22	0.93	1.51	1.32	1.05	+ 0	−42	−15	− 7	− 0	+15	+ 0	− 3	+ 3	− 8		0	0.44
83895	17 08 47.23	+65 42 52.7	3.17	1 G	257.196 771 11	+65.714 636 76		9.60	−20.76	19.15	0.42	0.44	0.47	0.56	0.59	+ 8	−14	−22	−12	−17	+23	− 8	−21	+16	+20		0	0.03
83896	17 08 47.55	−30 24 12.8	5.93	G	257.198 106 89	−30.403 568 72		12.21	−11.89	−66.39	0.67	0.41	0.73	0.69	0.43	− 8	−29	− 4	+11	−20	− 8	− 8	+55	−19	−20		0	0.85
83897	17 08 47.73	−45 09 16.4	8.84	H	257.198 859 17	−45.154 543 84		5.02	23.82	−12.09	1.46	1.04	1.42	1.91	1.16	+ 8	−13	+ 6	+56	+21	+24	+17	+71	− 5	+13		0	0.66
83898	17 08 48.32	−13 07

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
83801	8.510	0.011	8.238	0.012		0.259	0.015	T	0.29	0.02	L	8.2537	0.0017	0.015	115		8.23	8.28		C	17076−3512	I 1	1						
83802	7.181	0.007	6.913	0.007		0.255	0.009	T	0.29	0.01	L	6.9570	0.0036	0.020	80		6.93	6.98	0.62	P 1 A			1						S P
83803	11.671	0.118	10.277	0.054		1.179	0.102	T	1.14	0.09	L	10.3528	0.0045	0.030	81		10.30	10.41					1 S						G
83804	10.029	0.029	8.681	0.016		1.143	0.026	T	1.11	0.02	L	8.6955	0.0014	0.014	93		8.68	8.71		C			1						
83805	11.103	0.066	10.377	0.054		0.697	0.020	G	0.75	0.02	H	10.3992	0.0031	0.030	71		10.35	10.44		C			1						G
83806	10.218	0.036	9.627	0.034		0.552	0.044	T	0.62	0.04	L	9.5821	0.0025	0.021	93		9.54	9.61		C			1						G
83807	9.190	0.020	8.778	0.021		0.403	0.024	T	0.47	0.03	L	8.8170	0.0039	0.044	67		8.76	8.88		U 2			1						
83808	10.544	0.041	9.940	0.037		0.563	0.048	T	0.64	0.04	L	9.9860	0.0034	0.030	103		9.93	10.03					1						
83809	9.702	0.023	8.994	0.020		0.652	0.025	T	0.72	0.02	L	9.0211	0.0016	0.016	94		9.00	9.05					1						
83810	8.434	0.009	7.937	0.010		0.479	0.010	T	0.55	0.01	L	7.9919	0.0014	0.014	122		7.97	8.02					1						S
83811	11.232	0.067	10.635	0.062	A	0.575	0.072	G	0.65	0.07	R	10.6338	0.0245	0.039	115	A	10.55	10.70		C	17077+3557	I 1	2 C D	AB	206	14.657	0.072	2.62	0.28	G D
83812	8.428	0.012	7.234	0.007		1.022	0.011	T	1.00	0.01	L	7.2890	0.0012	0.011	105		7.28	7.31					1						S
83813	10.289	0.039	8.753	0.019		1.290	0.034	T	1.25	0.04	L	8.7859	0.0013	0.012	72		8.77	8.82		D			1						
83814	8.812	0.007	8.487	0.007		0.309	0.009	T	0.35	0.01	L	8.5210	0.0023	0.031	278		8.48	8.62	1.63	P 1 A			1						S
83815	8.449	0.008	8.031	0.008		0.395	0.010	T	0.46	0.01	L	8.0825	0.0011	0.013	156		8.06	8.10					1						S
83816	6.383	0.004	6.343	0.004		0.032	0.003	G	0.05	0.00	H	6.3568	0.0007	0.007	121		6.35	6.37					1 G						S
83817	7.868	0.005	7.723	0.006		0.132	0.007	T	0.15	0.01	L	7.7591	0.0010	0.013	231		7.74	7.78		C			1						S
83818	8.384	0.013	8.244	0.015		0.127	0.019	T	0.14	0.02	L	8.2551	0.0018	0.011	75		8.23	8.27		C			1						
83819	8.403	0.011	6.994	0.006		1.190	0.015	G	1.15	0.01	H	7.0383	0.0008	0.008	97		7.03	7.05					1						S
83820	7.454	0.005	7.371	0.006		0.082	0.007	T	0.09	0.01	L	7.4112	0.0009	0.011	156		7.39	7.43		C			1						S
83821	10.304	0.037	9.036	0.021		1.080	0.033	T	1.04	0.03	L	9.0018	0.0023	0.016	84		8.98	9.03		C			1						
83822	8.409	0.011	7.948	0.011		0.435	0.014	T	0.50	0.01	L	7.9881	0.0012	0.012	98		7.96	8.01		C			1						S
83823	8.688	0.012	8.562	0.015		0.114	0.018	T	0.13	0.02	L	8.5638	0.0015	0.013	113		8.54	8.59					1						
83824	11.800	0.101	10.027	0.032		1.477	0.084	T	1.49	0.12	L	10.0505	0.0025	0.027	126		9.99	10.10		C			1						
83825	10.169	0.031	9.711	0.031		0.432	0.040	T	0.50	0.04	L	9.7974	0.0038	0.030	107		9.73	9.86					1						
83826	9.077	0.013	8.768	0.014		0.294	0.018	T	0.34	0.02	L	8.8196	0.0019	0.014	116		8.80	8.86		C			1						
83827	7.881	0.006	7.278	0.006		0.562	0.007	T	0.64	0.01	L	7.3330	0.0008	0.008	137		7.32	7.35		C			1						S
83828	8.463	0.010	7.291	0.006		1.005	0.009	T	0.98	0.01	L	7.3150	0.0010	0.010	104		7.30	7.33					1						S
83829	9.329	0.016	8.754	0.015		0.537	0.019	T	0.61	0.02	L	8.8220	0.0017	0.017	103		8.79	8.85					1						
83830	8.121	0.010	7.719	0.009		0.380	0.012	T	0.44	0.01	L	7.7758	0.0033	0.050	150		7.62	7.82		U 2			1						S P
83831	10.672	0.042	10.265	0.046		0.385	0.058	T	0.45	0.06	L	10.3754	0.0036	0.030	84		10.34	10.42		C			1						G
83832	9.349	0.014	8.040	0.009		1.112	0.013	T	1.07	0.01	L	8.1003	0.0013	0.015	144		8.08	8.13					1						
83833	9.738	0.014	9.687	0.019		0.046	0.021	T	0.06	0.02	L	9.6940	0.0021	0.028	201		9.64	9.74					1						
83834	8.105	0.007	6.575	0.004		1.285	0.006	T	1.24	0.01	L	6.5996	0.0011	0.011	140		6.59	6.62			17080+3112	I 1	1						S
83835	9.506	0.017	7.986	0.009		1.278	0.015	T	1.24	0.02	L	8.0152	0.0011	0.010	106		8.00	8.04					1						S
83836	10.693	0.047	9.097	0.020		1.337	0.040	T	1.30	0.05	L	9.1016	0.0016	0.015	86		9.07	9.14					1						
83837	10.118	0.026	8.626	0.014		1.256	0.023	T	1.21	0.02	L	8.6568	0.0019	0.011	82		8.63	8.68		C			1						
83838	5.783	0.003	5.442	0.002		0.309	0.003	G	0.35	0.00	R	5.4837	0.0009	0.009	118		5.47	5.50		M	17080+3556	I 1	1 O						S
83839	8.788	0.013	8.496	0.014		0.278	0.018	T	0.32	0.02	L	8.5423	0.0019	0.017	96		8.51	8.57		C			1						
83840	10.705	0.046	9.770	0.032		0.812	0.043	T	0.84	0.03	L	9.7454	0.0024	0.020	103		9.72	9.78		C			1						G
83841	9.761	0.018	9.388	0.019		0.353	0.024	T	0.41	0.03	L	9.4570	0.0024	0.022	116		9.41	9.49					1						
83842	10.646	0.041	10.258	0.046		0.367	0.057	T	0.43	0.06	L	10.2095	0.0035	0.028	118		10.16	10.25			17082+3550	I 1	1 X S						
83843	9.444	0.018	8.836	0.017		0.565	0.018	T	0.64	0.02	L	8.8784	0.0020	0.017	77		8.85	8.91					1						
83844	11.199	0.061	10.527	0.054		0.622	0.068	T	0.69	0.06	L	10.6013	0.0047	0.033	93		10.54	10.67					1 G						G
83845	7.260	0.006	7.026	0.007	*	0.223	0.008	T	0.25	0.01	L *	7.0690	0.0011	0.008	76	*	7.06	7.08		D	17081−4137	I 1	2 C S A	BA	346	0.159	0.004	0.78	0.16	S
83846	9.626	0.027	8.420	0.017		1.051	0.007	G	1.20	0.02	A	8.4184	0.0013	0.012	83		8.40	8.44		C			1 G						
83847	7.321	0.006	6.783	0.006		0.528	0.004	G	0.60	0.00	H	6.8354	0.0008	0.007	105		6.82	6.85					1						S
83848	9.988	0.030	9.646	0.034		0.280	0.020	G	0.32	0.03	H	9.6856	0.0032	0.026	74		9.64	9.72					1						G
83849	8.840	0.014	7.102	0.007		1.480	0.015	G	1.49	0.02	A	7.0621	0.0013	0.009	70		7.04	7.08		C			1						S
83850	10.578	0.052	10.011	0.048	A						T *	9.7049	0.0021	0.016	65	*	9.68	9.74		D	17081−1826	I 1	2 C A	AS	204	4.322	0.007	1.21	0.03	G
83851						0.711	0.155	G	0.77	0.13	R	10.6399	0.0386			B				D	17082+0143	I 2	1 C L D							D
83852	10.198	0.038	9.533	0.034	A	0.616	0.043	T	0.68	0.04	L	9.6193	0.0169	0.080	83	A	9.55	9.86		D	17082+0143	I 2	1 C P D							D
83853	6.160	0.004	6.078	0.005	*	0.074	0.005	T	0.09	0.01	L *	6.0913	0.0007	0.006	83	*	6.08	6.10		D	17082−0105	I 1	2 C A	AB	4	0.529	0.004	2.10	0.02	S
83854	7.267	0.007	6.091	0.004		1.011	0.001	G	0.99	0.00	H	6.1449	0.0006	0.006	77		6.14	6.15					1						S
83855	7.271	0.005	6.732	0.005		0.505	0.006	T	0.58	0.01	L	6.7779	0.0009	0.007	115		6.77	6.79		C			1						S
83856	8.765	0.010	8.750	0.012		0.019	0.014	T	0.04	0.01	L	8.7541	0.0014	0.018	161		8.72	8.79					1						
83857	6.435	0.003	6.456	0.004		−0.017	0.004	T	0.01	0.00	L	6.4646	0.0009	0.008	123		6.45	6.48		C	17083+5051	I 1	1						S
83858	7.573	0.008	6.971	0.007		0.561	0.009	T	0.63	0.01	L	7.0081	0.0017	0.012	78		6.99	7.03		M			1						S
83859	10.653	0.057	8.685	0.019		1.552	0.020	G	1.53	0.02	J	8.6700	0.0015	0.011	100		8.65	8.69					1						
83860	8.925	0.011	8.812	0.013		0.110	0.016	T	0.12	0.02	L	8.8631	0.0023	0.019	132		8.83	8.89					1						
83861	8.766	0.014	8.733	0.018		0.053	0.013	G	0.07	0.01	H	8.7536	0.0013	0.012	100		8.73	8.77					1						
83862	7.566	0.005	7.121	0.005		0.420	0.006	T	0.49	0.01	L	7.1692	0.0009	0.009	154		7.15	7.19					1						S
83863	7.999	0.011	7.326	0.009		0.623	0.012	T	0.69	0.01	L	7.3852	0.0012	0.010	66		7.37	7.40		C			1						S
83864	11.003	0.062	9.572	0.029		1.208	0.054	T	1.17	0.05	L	9.6643	0.0031	0.025	92		9.63	9.70					1						
83865	10.470	0.031	8.661	0.013		1.506	0.027	T	1.54	0.04	L	8.6333	0.0017	0.017	114		8.60	8.66		C			1 S						
83866	11.226	0.070	9.778	0.034		1.239	0.064	T	4.62	0.11	O	8.7620	0.0371	0.257	98		8.52	9.16	336.00	P 1 A			1 S						P
83867	8.302	0.011	7.754	0.012		0.513	0.015	T	0.59	0.02	L	7.8085	0.0011	0.009	68		7.79	7.83		C			1						S
83868	11.042	0.041	9.220	0.015		1.516	0.035	T	1.55	0.05	L	9.0167	0.0065	0.050	137		8.94	9.08		U 2			1 S						
83869											T	12.1364	0.0078	0.126	159		11.88	12.31		U			1 X S						D
83870	8.889	0.011	7.562	0.007		1.126	0.010	T	1.09	0.01	L	7.6289	0.0011	0.011	107		7.61	7.65		C			1						S
83871	9.204	0.017	7.934	0.011		1.082	0.016	T	1.04	0.01	L	7.9875	0.0013	0.011	102		7.97	8.01					1						
83872	8.116	0.007	6.850	0.004		1.079	0.006	T	1.04	0.01	L	6.8945	0.0007	0.008	132		6.88	6.91		C			1						S
83873	7.987	0.012	7.802	0.013		0.177	0.017	T	0.19	0.02	L	7.8489	0.0018	0.013	78		7.83	7.87			17085−2013	I 1	1						S
83874	8.404	0.017	7.747	0.011		0.617	0.015	G	0.69	0.01	H	7.8111	0.0011	0.009	73		7.80	7.82		C			1						S
83875	9.474	0.018	8.796	0.016		0.616	0.018	T	0.68	0.02	L	8.8635	0.0018	0.014	94		8.83	8.88					1						
83876	6.990	0.003	6.857	0.003		0.128	0.004	T	0.14	0.00	L	6.8837	0.0005	0.009	280		6.87	6.90					1						S
83877	10.511	0.047	9.706	0.036		0.712	0.045	T	0.77	0.04	L	9.8243	0.0028	0.019	79		9.79	9.86		C			1						G
83878	8.748	0.014	8.662	0.017	A	0.181	0.128	G	0.04	0.02	L *	8.6337	0.0011	0.014	111	*	8.61	8.66		D	17086−2650	I 1	2 C A	AB	210	7.579	0.033	3.13	0.12	
83879	9.892	0.026	8.636	0.016		1.071	0.024	T	1.04	0.02	L	8.6290	0.0022	0.016	81		8.59	8.65		C			1						
83880	11.211	0.076	9.482	0.026		1.442	0.064	T	1.44	0.10	L	9.4650	0.0026	0.024	84		9.43	9.50					1						G
83881	9.605	0.017	8.936	0.016		0.620	0.020	T	0.69	0.02	L	8.9867	0.0019	0.015	94		8.96	9.02		C			1						
83882	9.112	0.018	9.072	0.023	A	0.089	0.015	G	0.10	0.02	H	9.1018	0.0119	0.029	83	A	9.07	9.15		U	17087−4242	I 1	2 C B	AB	291	13.235	0.047	2.92	0.17	
83883	9.678	0.028	9.382	0.031	A	0.100	0.495	G	0.14	0.16	L *	9.3457	0.0042	0.026	64	*	9.30	9.38			17087−4955	I 1	2 C D	AB	145	1.626	0.044	2.91	0.21	D
83884	10.566	0.042	10.076	0.042		0.461	0.054	T	0.53	0.06	L	10.1878	0.0024	0.025	94		10.15	10.23		C			1						
83885	9.993	0.036	9.282	0.031	*	0.654	0.039	T	0.72	0.04	L *	9.4517	0.0019	0.020	114	*	9.42	9.48		D	17087+4945	I 1	2 C A	AB	199	3.449	0.007	1.25	0.03	
83886	8.032	0.010	7.701	0.010		0.314	0.013	T	0.36	0.02	L	7.7417	0.0010	0.009	84		7.72	7.76					1						S
83887	8.762	0.011	8.557	0.012	*	0.206	0.015	G	0.23	0.02	H *	8.5876	0.0018	0.015	102	*	8.56	8.63			17087+4738	H 1	2 C A	AB	262	0.257	0.027	2.69	0.39	S
83888	10.168	0.021	8.211	0.008		1.623	0.018	T	1.64	0.02	L	8.1296	0.0014	0.016	166		8.10	8.16					1						
83889	9.449	0.020	8.760	0.017		0.636	0.022	T	0.70	0.02	L	8.8481	0.0026	0.016	70		8.82	8.87					1						
83890	10.681	0.046	9.166	0.021		1.274	0.040	T	1.23	0.04	L	9.2044	0.0020	0.016	84		9.17	9.23		C			1						
83891	9.193	0.017	8.902	0.019		0.277	0.024	T	0.31	0.03	L	8.9523	0.0024	0.023	84		8.91	9.11		U 2 C			1						P
83892	10.423	0.030	8.692	0.013		1.444	0.026	T	1.44	0.04	L	8.6674	0.0023	0.020	139		8.63	8.72					1						
83893	10.751	0.073	10.272	0.072		0.451	0.093	T	0.52	0.10	L	10.2464	0.0063	0.046	66		10.17	10.31					1 S						G
83894	10.380	0.044	9.606	0.036		0.689	0.043	T	0.75	0.04	L	9.5822	0.0020	0.018	67		9.55	9.62		D			1 G						
83895	3.042	0.002	3.163	0.002		−0.120	0.002	G	−0.14	0.03	C	3.1359	0.0006	0.005	90		3.13	3.16		M			1 G						S P
83896	6.263	0.004	5.951	0.004		0.276	0.004	G	0.31	0.01	H	6.0008	0.0006	0.005	100		5.99	6.01					1						S
83897	10.227	0.035	8.963	0.021		1.077	0.032	T	1.04	0.03	L	9.0097	0.0014	0.015	75		8.99	9.05		D			1						
83898	9.706	0.022	7.728	0.009		1.640	0.019	T	1.66	0.02	L	7.6441	0.0015	0.011	73		7.63	7.67		C			1						
83899	9.286	0.014	8.683	0.013		0.562	0.017	T	0.64	0.02	L	8.7513	0.0018	0.019	120		8.73	8.79					1						S
83900	10.169	0.037	8.878	0.021		1.098	0.033	T	1.06	0.03	L	8.9359	0.0020	0.017	101		8.91	8.96					1						

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)												Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	α*	δ	α*	π	δ	α*	δ	π	$\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr													%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
83901	17 08 49.50	−05 11 30.2	8.43	H	257.206 266 58	−05.191 714 35		8.89	5.47	18.60	1.22	0.67	1.35	1.32	0.79	+ 5	−46	− 6	+44	+17	−24	+23	+55	−22	+11		0	0.15
83902 H	17 08 52.88	−50 33 52.2	8.82	G	257.220 340 47	−50.564 507 74	A	4.45	−0.22	−11.86	2.25	1.70	2.04	2.33	1.69	− 7	−14	−17	+24	+ 5	+15	+11	+13	−19	− 5		3	0.12
83903	17 08 53.86	+27 37 19.8	8.69	H	257.224 427 21	+27.622 179 27		2.24	0.88	−11.00	0.71	0.89	1.21	0.88	1.06	+17	−19	−32	− 3	− 2	− 3	− 4	+ 1	+11	− 5		0	0.52
83904	17 08 53.94	+39 53 46.8	9.44	2 H	257.224 752 85	+39.896 329 90		2.20	−16.41	7.09	0.86	0.90	1.10	1.03	1.03	+14	+ 0	− 3	− 5	+ 3	−34	+ 1	− 9	+ 5	+10		1	0.92
83905	17 08 53.99	+33 18 02.8	7.56	H	257.224 962 73	+33.300 776 53		4.72	9.62	−3.00	0.53	0.54	0.69	0.62	0.64	+25	−17	−19	+16	+21	−17	+19	− 1	+ 5	+30		0	1.63
83906	17 08 54.55	−03 52 57.4	6.35	G	257.227 297 47	−03.882 606 80		28.26	−54.85	−158.21	0.85	0.56	0.89	1.01	0.67	−29	−29	− 4	+47	−21	+10	−20	+54	− 1	−29		0	−0.36
83907	17 08 54.83	+46 30 19.5	8.83	H	257.228 461 58	+46.505 418 17		7.59	−10.97	1.19	0.83	0.89	0.93	0.93	1.06	+20	−18	−15	−11	− 6	+15	+ 2	+33	− 1	+ 4		0	−0.34
83908	17 08 56.01	+12 39 46.1	8.11	H	257.233 362 48	+12.662 800 59		1.41	−3.90	−5.43	1.03	0.79	1.01	1.01	0.86	+54	−34	−13	+54	+55	− 4	+56	+63	−13	+57		0	1.21
83909	17 08 56.42	+33 38 45.1	8.63	H	257.235 104 09	+33.645 868 82		8.39	−14.09	38.85	0.72	0.80	1.00	0.86	0.92	+20	− 4	−15	+17	+21	−26	+19	− 1	−12	+28		0	−0.10
83910	17 08 56.68	−61 38 19.1	8.63	H	257.236 182 31	−61.638 651 93		4.11	−3.02	−7.12	0.79	0.77	1.19	0.88	0.79	+10	− 4	−23	−45	−21	+ 6	−19	−32	+ 8	+ 7		1	1.83
83911	17 08 57.73	−23 59 37.0	8.09	G	257.240 524 43	−23.993 604 39		13.84	−26.54	−24.48	1.04	0.56	1.15	1.25	0.62	−10	−25	− 2	−12	−24	−17	−13	+42	−18	−15		2	1.30
83912	17 08 59.02	+46 47 33.8	8.36	H	257.245 899 43	+46.792 735 49		2.01	8.55	−8.02	0.69	0.68	0.78	0.91	0.89	+11	−26	−16	− 2	− 2	+ 4	+ 4	+18	−12	− 7		0	−0.20
83913	17 08 59.50	+03 45 34.4	7.84	H	257.247 916 24	+03.759 563 85		1.65	10.49	−18.05	0.96	0.87	1.06	1.13	1.07	−24	−25	− 9	+53	−24	− 7	−22	+67	+ 5	−41		0	0.06
83914	17 08 59.57	+73 09 12.1	8.23	H	257.248 215 61	+73.153 361 23		2.99	7.56	−8.32	0.60	0.62	0.62	0.59	0.74	+17	−18	−10	−28	−13	+ 1	−16	− 7	+ 0	+25		0	1.93
83915	17 09 00.77	−50 33 52.5	8.33	H	257.253 213 03	−50.564 580 11		5.27	−5.92	−18.86	1.05	0.77	1.17	1.35	0.93	−14	− 8	− 5	+38	+11	+18	+11	+19	+10	− 5		0	−0.04
83916	17 09 00.94	−56 54 47.8	11.38	3 G	257.253 900 32	−56.913 270 96		−35.10	−60.54	−21.74	23.56	20.85	30.07	29.09	22.37	−31	− 3	− 8	−33	+ 3	+ 3	+ 5	−31	+ 5	−25		2	
83917	17 09 01.35	−16 54 11.5	7.71	G	257.255 609 99	−16.903 194 65		10.00	−5.12	−61.68	0.92	0.60	1.05	1.00	0.65	−29	−31	−27	+19	−30	+19	−12	+50	−33	−48		0	1.12
83918	17 09 01.99	+14 57 40.0	7.07	H	257.258 275 21	+14.961 114 45		6.14	6.11	−21.43	0.51	0.52	0.81	0.64	0.58	−19	−19	− 9	− 1	+12	+20	+ 9	+20	− 7	+ 8		0	0.49
83919	17 09 02.23	+69 06 15.0	8.38	G	257.259 306 08	+69.104 162 76		10.26	−72.32	22.23	0.68	0.72	0.73	0.77	0.95	−12	−16	+10	− 5	+13	− 6	+15	− 6	+ 5	−13		3	−0.57
83920	17 09 04.51	−17 34 09.6	8.33	H	257.268 790 57	−17.569 340 80		6.30	−2.29	−10.50	1.05	0.67	1.24	1.18	0.73	−24	−25	−29	+23	−31	+23	−13	+53	−37	−44		0	−0.12
83921	17 09 04.93	+16 27 44.1	8.39	2 G	257.270 534 01	+16.462 248 09		4.23	−15.39	−11.35	0.74	0.74	1.17	0.84	0.89	+15	−31	− 5	+13	+36	+12	+33	+35	−14	+45		2	0.58
83922	17 09 08.31	−37 54 45.4	9.03	H	257.284 641 47	−37.912 599 72		8.65	13.62	−71.80	1.20	0.89	1.30	1.27	0.95	−30	−30	−19	+30	−36	+ 8	−22	+71	−25	−46		0	−1.33
83923	17 09 08.87	−19 40 49.7	8.02	H	257.286 938 28	−19.680 469 79		3.58	6.33	−9.76	0.93	0.57	1.01	1.12	0.65	− 4	−26	−14	+ 0	−15	− 9	−11	+21	−10	−16		0	−0.39
83924	17 09 10.30	−81 19 23.2	8.54	H	257.292 927 85	−81.323 113 30		2.52	−4.74	−13.85	0.64	0.71	0.85	0.63	0.81	−13	−39	+ 7	+ 7	−19	−10	−21	− 2	+ 4	−30		0	−0.09
83925	17 09 10.35	−68 50 48.0	6.59	H	257.293 128 12	−68.846 676 74		8.00	4.09	−25.85	0.34	0.44	0.62	0.44	0.53	+ 9	−10	−11	−10	− 1	− 1	+ 0	+ 4	+ 1	+ 1		0	−0.16
83926	17 09 15.21	−24 21 40.3	10.02	H	257.313 387 96	−24.361 195 71		10.14	−38.95	−52.66	1.74	0.96	2.03	2.76	1.16	− 3	−10	− 6	− 4	− 9	−28	−10	+28	−31	+22		0	1.79
83927	17 09 17.06	−13 44 34.9	9.78	G	257.321 089 00	−13.743 036 65		6.93	−15.76	−15.55	1.43	0.87	1.60	1.54	0.95	−13	−37	− 9	+ 6	−26	+ 3	−11	+37	−25	−22		0	0.37
83928	17 09 18.15	−65 19 07.5	8.07	H	257.325 622 14	−65.318 751 59		5.13	11.24	−6.98	0.63	0.64	1.02	0.74	0.69	+ 6	−16	−18	+16	−25	− 6	−25	+20	+ 5	−12		0	−0.15
83929	17 09 19.78	+41 26 07.5	11.02	H	257.332 412 51	+41.435 413 82		22.62	−208.40	267.40	1.53	1.50	1.80	1.59	1.89	+12	−28	− 7	− 8	− 4	+ 9	− 4	+10	+ 1	+14		3	1.72
83930	17 09 19.91	−15 12 07.8	9.84	G	257.332 969 43	−15.202 163 93		9.48	−13.82	9.94	1.53	0.85	1.72	1.54	0.88	+ 2	−50	−16	+ 6	−24	+15	− 8	+35	−17	−15		0	−0.30
83931 H	17 09 20.87	−29 54 01.8	8.23	G	257.336 950 37	−29.900 499 17	*	8.56	23.16	−11.31	1.03	0.59	1.11	1.08	0.64	−13	−38	+ 4	− 2	−23	−10	− 3	+60	−11	−32		2	0.17
83932	17 09 21.50	−33 29 58.3	8.66	H	257.339 564 66	−33.499 541 56		1.47	−2.49	−5.94	1.11	0.65	1.18	1.27	0.72	−13	−29	− 6	+27	−11	−14	− 2	+62	−20	−19		0	−1.14
83933	17 09 21.54	−42 24 47.8	8.81	2 H	257.339 734 87	−42.413 271 58		0.98	−12.47	−18.78	1.34	0.77	1.54	1.47	0.87	+19	−48	−16	+31	+30	− 9	+37	+50	−34	+22		0	0.89
83934	17 09 22.56	−53 23 29.6	8.95	H	257.344 006 21	−53.391 549 69		14.59	36.32	19.91	1.33	1.09	1.55	1.71	1.26	−34	−11	−25	+10	+16	−14	+ 9	− 2	+ 7	−51		0	1.04
83935 H	17 09 22.76	−34 45 16.6	8.03	1 H	257.344 815 74	−34.754 612 50	*	1.98	−1.63	−1.24	0.89	0.62	0.98	0.98	0.69	−35	−20	−19	+14	−37	− 1	−22	+61	−26	−53		0	−0.20
83936 H	17 09 23.85	+19 00 58.3	9.64	H	257.349 371 84	+19.016 195 48	A	2.14	−3.96	−6.10	1.87	2.18	2.72	2.39	2.45	−12	+ 8	+ 2	+19	+43	+ 2	+36	+31	+ 0	+36		0	0.01
83937 H	17 09 24.61	−37 15 47.6	9.80	G	257.352 561 21	−37.263 223 99	*	0.78	−0.15	−2.27	1.33	0.94	1.46	1.57	1.05	−19	−26	−17	+14	−31	− 1	−17	+60	−23	−37		0	−2.04
83938	17 09 24.75	−60 37 05.4	8.04	H	257.353 106 63	−60.618 166 00		4.88	−2.89	−18.43	0.78	0.71	1.12	0.89	0.74	− 5	−10	−10	−39	−27	+14	−25	−23	+16	+ 0		0	1.02
83939	17 09 25.69	+53 05 13.0	10.48	H	257.357 025 66	+53.086 935 61		−0.14	8.91	5.47	0.91	1.06	1.06	1.05	1.28	+ 6	− 8	+12	+ 0	+ 9	− 1	+10	+ 0	+ 0	+ 6		0	0.25
83940	17 09 26.47	−75 03 49.9	7.51	H	257.360 271 03	−75.063 849 24		2.53	20.30	11.99	0.45	0.59	0.73	0.52	0.70	+ 4	−10	+ 4	+ 4	−11	− 8	−14	−22	−12	−12		1	−0.69
83941	17 09 26.66	−35 23 28.0	10.70	G	257.361 066 03	−35.391 106 74		26.41	−47.34	−90.49	1.94	1.09	2.15	1.99	1.20	− 5	−41	− 4	+11	−12	− 6	+ 4	+47	−23	−20		0	−0.24
83942	17 09 27.16	+22 05 31.0	7.03	H	257.363 181 68	+22.091 951 86		15.38	61.93	−54.07	0.53	0.54	0.83	0.80	0.75	+24	−16	−11	+33	+21	− 1	+23	+28	−21	+23		0	0.11
83943	17 09 29.94	−47 15 39.0	7.74	2 H	257.374 749 59	−47.260 832 55		3.79	−0.90	−7.77	0.89	0.61	1.06	0.92	0.63	−15	−33	+ 2	+ 4	− 5	− 3	+ 3	+20	−25	− 6		2	0.00
83944	17 09 30.30	−61 05 22.2	12.40	2 H	257.376 269 19	−61.089 493 81		12.18	19.63	−14.57	8.82	8.22	12.54	9.00	8.16	− 5	− 7	− 8	−46	−12	+ 1	−12	−45	+ 5	− 3		0	
83945	17 09 31.27	+43 40 55.3	11.77	G	257.380 308 02	+43.682 026 43		137.84	333.92	−278.02	7.54	8.29	8.95	8.06	10.28	+ 4	− 3	− 2	−27	+ 3	−10	+ 5	− 3	+ 4	− 6		1	
83946	17 09 32.93	+30 42 20.2	8.16	H	257.387 218 28	+30.705 621 37		9.40	8.44	−6.53	0.53	0.67	0.84	0.56	0.75	+11	− 7	−28	+10	+ 3	−14	− 2	− 4	+ 1	+ 9		0	−0.13
83947	17 09 33.28	+40 46 37.3	5.07	H	257.388 673 03	+40.777 015 19		11.73	−43.78	7.37	0.45	0.44	0.53	0.55	0.51	+ 7	− 9	+ 0	− 7	+ 5	−12	+ 3	+ 0	+10	+19		0	3.07
83948 H	17 09 33.79	+03 55 56.8	7.94	H	257.390 811 71	+03.932 442 54	A	4.85	−28.46	−49.75	2.44	2.29	2.54	2.95	2.96	−43	+ 5	− 6	+22	−10	−10	− 9	+41	+ 7	−49		1	−1.22
83949	17 09 34.77	+33 21 23.0	7.28	H	257.394 886 90	+33.356 381 90		23.04	−223.50	−216.77	0.49	0.55	0.69	0.59	0.64	+17	−16	−20	+ 8	+12	−14	+ 9	− 1	+ 8	+22		1	1.27
83950	17 09 35.68	+38 17 36.3	7.37	H	257.398 682 49	+38.293 405 02		11.71	−7.96	34.44	0.50	0.50	0.61	0.55	0.59	− 3	−11	+ 1	+11	+11	−15	+12	+ 4	+ 1	+ 2		0	−2.73
83951	17 09 37.77	+23 34 40.3	7.89	H	257.407 369 32	+23.577 851 00		8.59	−9.08	30.45	0.61	0.62	0.98	0.72	0.81	− 1	− 4	−11	−61	− 6	−12	− 4	+ 7	− 7	− 6		1	1.24
83952	17 09 39.22	−71 40 47.5	8.02	G	257.413 407 61	−71.679 851 47		3.81	−17.08	−3.46	0.45	0.64	0.87	0.46	0.71	+15	−13	− 2	+ 2	−14	−12	−17	−19	+ 3	+ 9		1	1.40
83953	17 09 41.12	+10 02 20.5	7.00	H	257.421 349 69	+10.039 016 89		16.29	−65.21	−134.87	0.83	0.57	0.88	0.91	0.66	+33	−38	− 8	+49	+44	−12	+43	+47	− 7	+43		0	0.87
83954	17 09 42.64	+30 21 14.7	8.38	H	257.427 668 46	+30.354 079 98	A	4.96	−7.56	7.13	1.45	1.85	1.73	1.38	1.90	− 2	−11	−17	+16	+ 6	−20	+ 2	− 7	+ 1	+ 8		10	3.03
*83955	17 09 42.70	+30 20 50.4	9.70	H	257.427 932 45	+30.347 342 15	B	11.12	−10.54	14.25	5.57	7.53	5.38	4.07	5.71	+ 0	− 7	−25	+ 6	+ 8	−22	+ 1	−13	+ 7	− 9		10	3.03
*83956	17 09 42.68	+49 42 32.0	8.63	H	257.427 849 76	+49.708 885 70		1.37	−18.56	−25.72	0.68	0.73	0.76	0.76	0.92	+ 8	− 5	+ 1	+17	+ 2	+ 1	+ 5	+26	− 8	−11		1	1.12
83957	17 09 42.79	+00 32 54.7	8.16	H	257.428 286 60	+00.548 526 78		3.65	−6.69	0.83	1.19	0.93	1.20	1.53	1.13	−22	−16	− 7	+56	−22	+ 7	−18	+71	− 9	−32		2	2.52
83958	17 09 43.10	+00 19 39.1	8.93	2 H	257.429 586 08	+00.327 538 42		2.16	−14.78	−10.44	1.58	1.23	1.74	1.85	1.50	−42	−46	+ 9	+55	−43	−27	−30	+76	− 6	−49		8	0.60
83959	17 09 43.62	−40 13 18.7	8.08	H	257.431 760 35	−40.221 865 02		1.65	−9.10	−17.45	1.03	0.70	1.09	1.08	0.72	−30	−25	−15	+39	−28	+14	−18	+67	−26	−38		0	0.01
83960	17 09 43.94	−54 20 06.4	8.26	H	257.433 090 90	−54.335 102 88	A	2.40	−86.93	−11.91	1.93	1.96	2.52	2.55	2.04	+ 4	−10	−50	+25	+17	−30	+ 8	+40	−13	−21		4	0.87
83961	17 09 47.71	+07 49 10.9	9.91	G	257.448 803 83	+07.819 706 27		12.36	−20.23	−266.81	1.37	0.97	1.82	1.53	1.03	+37	−41	−17	+33	+37	−14	+37	+14	−13	+46		2	1.36
83962	17 09 47.92	−10 31 22.9	5.43	H	257.449 657 75	−10.523 037 50		24.79	54.71	−108.57	0.79	0.49	0.87	0.91	0.55	−15	−31	−14	+43	−12	+ 2	− 5	+58	−21	−25		0	0.12
83963	17 09 48.18	−27 16 59.2	10.95	3 H	257.450 736 30	−27.283 114 29	*	−0.26	−21.45	−7.60	2.96	1.76	2.64	3.95	1.77	−25	−34	−14	+ 5	−49	+16	−34	+66	−16	−31		0	−2.37
83964 H	17 09 48.26	−52 39 48.1	9.19	H	257.451 099 14	−52.663 366 08	A	9.57	16.51	−16.99	5.49	5.67	3.81	5.94	5.73	−43	− 7	−14	+23	−19	−15	−16	+29	+ 5	−65		2	3.09
83965	17 09 48.43	+17 55 23.1	8.09	H	257.451 793 24	+17.923 087 95		1.89	−1.62	−14.93	0.81	0.70	1.12	0.84	0.81	+ 1	−11	−14	−30	+18	−14	+ 5	+19	−26	+33		0	0.03
83966	17 09 48.50	−70 20 57.6	8.05	H	257.452 085 27	−70.349 328 42		7.56	−7.59	−51.72	0.41	0.70	0.97	0.43	0.84	+12	− 2	− 7	−13	− 8	− 5	− 9	−18	+15	+17		1	0.06
83967	17 09 50.39	−16 18 46.1	8.59	H	257.459 958 22	−16.312 804 66		4.81	−9.91	−14.47	1.17	0.74	1.31	1.30	0.77	−14	−31	−25	+21	−22	+15	− 8	+47	−27	−32		0	−0.91
83968 H	17 09 50.40	+38 48 39.1	9.70	H	257.460 018 05	+38.810 872 59	A	11.63	15.73	−150.86	1.59	1.63	1.75	1.61	1.87	+ 5	− 5	− 4	+ 0	+13	−17	+13	−14	− 9	+ 5		1	−0.11
83969	17 09 50.42	−21 47 31.8	9.23	H	257.460 086 55	−21.792 163 12		10.05	−12.61	32.57	1.23	0.71	1.35	1.36	0.76	+ 2	−42	−19	− 7	−24	+ 6	−11	+34	−15	−14		5	0.10
83970	17 09 50.43	−45 38 12.2	8.14	G	257.460 114 71	−45.636 731 46		14.97	−23.84	−95.13	0.97	0.70	1.08	1.19	0.81	−23	−32	−13	+20	−17	+29	− 7	+49	−20	−33		3	−1.58
83971	17 09 50.68	+33 46 43.2	8.66	H	257.461 146 62	+33.778 678 93		3.25	4.78	−3.79	0.74	0.71	0.91	0.86	0.88	+25	− 5	−18	+26	+28	−23	+26	+19	+ 0	+25		0	0.55
83972	17 09 51.65	−82 19 07.0	7.17	1 H	257.465 192 92	−82.318 601 14		4.14	−1.26	−17.57	0.48	0.51	0.63	0.48	0.59	+ 0	−28	+ 6	+ 3	−15	−22	−15	−16	− 5	− 8		0	−0.37
83973	17 09 53.09	−47 01 53.1	6.90	1 H	257.471 197 53	−47.031 430 10		2.38	−1.97	−3.67	0.79	0.53	0.94	0.79	0.57	−14	−42	− 3	+ 6	− 8	+ 1	+ 4	+23	−26	−15		0	−1.35
83974	17 09 56.55	+22 09 12.9	10.34	H	257.485 606 30	+22.153 572 42		4.90	−5.95	−19.51	1.14	1.28	1.84	1.58	1.65	+25	−25	− 5	+40	+22	+ 8	+24	+38	−14	+19		0	0.27
83975	17 09 56.87	+26 27 19.3	6.95	H	257.486 973 15	+26.455 348 00		4.93	−2.16	9.17	0.40	0.56	0.77	0.48	0.73	+ 1	− 6	−23	−25	+ 3	−12	+ 1	− 9	−13	+ 1		1	1.02
83976	17 09 57.27	−20 40 48.3	7.54	G	257.488 605 21	−20.680 080 22		4.76	−12.23	−18.34	0.94	0.54	1.09	1.11	0.58	− 2	−12	− 4	−26	−14	−39	− 4	+15	− 9	−20		2	−0.33
83977	17 10 00.06	−08 31 27.3	8.89	G	257.500 248 52	−08.524 258 87		12.46	−17.11	−73.91	1.18	0.72	1.15	1.39	0.82	+ 7	−30	+17	+54	+29	+ 2	+26	+58	− 2	+15		4	1.81
83978 H	17 10 00.73	−18 00 55.6	8.90	G	257.503 038 41	−18.015 438 26	B	8.21	−6.84	−20.16	5.04	2.09	3.25	3.51	1.68	−45	− 9	−24	+11	−19	+13	+ 0	+39	−45	−16		1	0.01
83979	17 10 00.96	+36 50 24.6	8.98	H	257.503 998 84	+36.840 169 10		0.96	1.45	1.05	0.71	0.76	0.89	0.73	0.90	+11	− 3	− 2	−11	+ 8	− 1	+ 9	+ 7	+ 4	+10		0	0.16
83980	17 10 02.88	+02 23 03.3	10.22	H	257.511 999 45	+02.384 250 01		15.52	−60.97	−151.46	1.66	1.31	1.65	2.07	1.64	+ 2	− 7	−21	+64	− 4	+ 3	− 1	+72	−18	− 9		0	−1.17
83981	17 10 04.48	−24 00 49.3	8.63	H	257.518 654 57	−24.013 691 44		1.63	−2.30	−2.29	1.27	0.72	1.45	2.10	0.88	+ 6	−11	+ 9	− 1	− 9	−27	− 5	+22	−29	+30		0	−0.23
83982	17 10 04.83	+04 54 09.1	8.21	H	257.520 113 36	+04.902 524 87		4.14	−6.21	−25.57	0.94	0.69	1.19	0.97	0.72	+34	−22	−33	+37	+54	−14	+48	+14	+12	+17		0	−1.09
83983	17 10 04.88	−56 26 56.3	8.21	H	257.520 328 32	−56.448 967 60		15.20	31.57	−123.55	0.76	0.70	1.11	0.92	0.77	−23	−14	− 7	+ 5	−10	+19	− 9	+ 4	+ 6	−21		0	−0.34
83984	17 10 06.28	−61 40 31.6	6.37	H	257.526 162 56	−61.675 441 03		2.25	−2.75	−6.35	0.49	0.47	0.79	0.50	0.46	− 9	−11	−23	−19	−14	+ 6	−13	−11	+ 8	−12		0	0.71
83985	17 10 08.29	−29 58 23.4	9.50	H	257.534 541 28	−29.973 168 12		14.73	−75.51	−104.43	1.40	0.72	1.49	1.69	0.80	− 5	−33	+ 2	−10	− 1	−10	+ 9	+42	−13	−15		0	−0.98
83986	17 10 08.33	+05 23 22.2	8.07	G	257.534 726 12	+05.389 497 15		7.62	−1.14	−15.41	1.02	0.68	1.13	1.08	0.74	+42	−35	− 8	+52	+62	− 4	+58	+32	+ 0	+43		0	1.14
83987	17 10 08.92	−86 12 15.2	8.48	H	257.537 179 43	−86.204 224 60		4.68	−0.30	−15.82	0.60	0.68	0.78	0.70	0.86	+ 6	+ 3	+16	− 7	− 6	− 7	− 6	− 3	− 1	+14		1	1.58
*83988	17 10 10.43	+54 29 40.7	8.85	G	257.543 439 00	+54.494 645 98	A	47.14	86.06	−104.87	2.21	2.45	1.88	2.20	2.89	+11	+10	+11	+12	+14	+15	+15	+ 0	+ 8	+ 1		7	1.29
*83989	17 10 10.31	+38 44 10.7	7.82	H	257.542 955 52	+38.736 315 15		1.85	−1.85	4.05	0.55	0.59	0.69	0.62	0.69	− 4	− 9	+ 4	− 2	+ 8	−15	+ 8	+ 2	+ 8	+ 2		0	−0.72
*83990	17 10 10.27	−60 43 48.7	7.38	H	257.542 776 06	−60.730 204 72		73.07	71.14	589.82	0.66	0.60	0.91	0.76	0.62	−12	− 5	− 2	−34	−20	+ 6	−16	−28	+ 4	−18		0	1.38
*83991 H	17 10 10.35	−00 45 36.6	7.59	H	257.543 140 03	−00.760 168 47	A	4.61	1.58	−0.36	1.35	1.16	1.36	1.52	1.28	−30	−23	−13	+40	−39	−14	−31	+67	−21	−43		1	0.87
83992	17 10 11.07	−40 26 28.8	9.49	H	257.546 109 44	−40.441 327 25		6.03	5.03	−56.27	1.36	1.00	1.54	1.65	1.11	−23	−16	−28	+28	−31	+29	−16	+66	−30	−42		0	−0.51
83993	17 10 11.54	+45 01 35.6	8.88	H	257.548 103 17	+45.026 569 08		3.83	29.99	−5.57	0.73	0.73	0.83	0.87	0.81	+10	−18	− 7	− 2	+ 9	−13	+ 6	+ 1	+ 2	+ 5		0	0.51
83994	17 10 11.66	+09 37 37.0	9.06	H	257.548 590 46	+09.626 940 00		0.44	10.68	−1.38	1.38	0.98	1.35	1.37	1.12	+48	−39	− 5	+58	+56	− 7	+54	+67	− 4	+55		0	−0.81
83995	17 10 11.99	+41 39 13.5	10.45	H	257.549 950 21	+41.653 755 88		20.40	−6.86	92.62	1.03	1.10	1.26	1.02	1.27	+10	− 4	+ 4	−14	+ 0	− 5	+ 1	+ 9	+11	+ 6		2	0.98
83996	17 10 12.27	+54 29 25.4	9.34	G	257.551 123 57	+54.490 395 23	B	47.86	87.93	−105.06	12.32	12.16	3.11	3.53	4.55	+ 8	+ 9	+10	+ 3	+12	+14	+14	− 2	+14	+ 1		7	1.29
83997	17 10 13.39	−13 51 38.8	9.07	H	257.555 777 22	−13.860 779 22		10.60	21.63	−53.19	1.22	0.76	1.33	1.31	0.82	+ 5	−31	−16	+ 8	−22	+10	−10	+27	−23	−15		5	−1.02
83998 H

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
83901	8.885	0.013	8.468	0.013		0.402	0.015	G	0.47	0.02	H	8.5172	0.0017	0.010	83		8.50	8.54					1							
83902	8.987	0.017	8.835	0.021	*	0.133	0.015	G	0.15	0.01	H *	8.8618	0.0023	0.017	75	*	8.83	8.89		D	17089−5034	H 1	2 C A	AB	119	0.560	0.017	2.07	0.07	
83903	10.192	0.023	8.814	0.013		1.166	0.021	T	1.13	0.02	L	8.8575	0.0020	0.019	147		8.82	8.90		C			1							
83904	10.839	0.042	9.574	0.022		1.078	0.037	T	1.04	0.03	L	9.6069	0.0036	0.040	119		9.53	9.65		U 2			1							
83905	7.531	0.006	7.559	0.008		−0.021	0.009	T	0.00	0.01	L	7.5651	0.0011	0.011	129		7.54	7.59		C			1							S
83906	7.222	0.006	6.438	0.004		0.697	0.002	G	0.72	0.07	F	6.4946	0.0010	0.006	76		6.48	6.51					1							S
83907	9.466	0.016	8.885	0.015		0.543	0.019	T	0.62	0.02	L	8.9513	0.0026	0.021	110		8.91	8.99					1							S
83908	10.270	0.034	8.329	0.014		1.610	0.029	T	1.63	0.03	L	8.2282	0.0022	0.016	89		8.19	8.25					1							
83909	9.788	0.019	8.726	0.013		0.921	0.017	T	0.92	0.01	L	8.7948	0.0025	0.022	128		8.76	8.84					1							S
83910	10.099	0.023	8.729	0.013		1.160	0.021	T	1.12	0.02	L	8.7960	0.0012	0.018	133		8.77	8.84		D			1							
83911	8.627	0.012	8.130	0.012		0.485	0.015	G	0.56	0.02	H	8.1929	0.0009	0.011	84		8.17	8.21					1							
83912	10.402	0.030	8.569	0.012		1.525	0.026	T	1.56	0.04	L	8.4799	0.0016	0.015	101		8.45	8.51					1							
83913	9.643	0.020	7.967	0.010		1.401	0.018	T	1.38	0.02	L	7.9811	0.0012	0.012	84		7.96	8.01					1							
83914	8.415	0.010	8.232	0.011		0.175	0.014	T	0.19	0.02	L	8.2937	0.0015	0.012	111		8.27	8.33		C			1							S
83915	9.753	0.027	8.467	0.016		1.094	0.025	T	1.06	0.03	L	8.4954	0.0023	0.013	73		8.47	8.52		C			1							
83916						0.680	0.040	G	0.74	0.03	R	11.4072	0.0164	0.256	110		11.11	11.92		U 2			1 X S							G
83917	8.060	0.012	7.719	0.011		0.311	0.015	G	0.36	0.02	H	7.7747	0.0011	0.010	86		7.76	7.79		C			1							S
83918	8.838	0.010	7.221	0.005		1.354	0.009	T	1.32	0.01	L	7.2214	0.0010	0.009	134		7.20	7.23		C			1							S
83919	8.871	0.012	8.423	0.012		0.465	0.015	G	0.54	0.02	H	8.4800	0.0019	0.014	85		8.46	8.50		C			1							S
83920	8.463	0.012	8.344	0.014		0.108	0.017	T	0.12	0.02	L	8.3742	0.0018	0.013	73		8.36	8.40					1							
83921	8.826	0.012	8.432	0.012		0.392	0.012	G	0.46	0.01	H	8.4819	0.0045	0.037	108		8.41	8.53	0.13	P 1 A			1							S P
83922	9.539	0.021	9.091	0.022		0.436	0.024	T	0.50	0.03	L	9.1327	0.0024	0.017	75		9.11	9.16		C			1							
83923	9.632	0.024	8.164	0.013		1.237	0.021	T	1.20	0.02	L	8.1785	0.0013	0.009	81		8.16	8.19					1							
83924	8.735	0.011	8.560	0.013		0.160	0.016	T	0.18	0.02	L	8.5933	0.0013	0.015	131		8.57	8.62					1							
83925	6.524	0.003	6.583	0.003		−0.050	0.004	T	−0.03	0.00	L	6.5839	0.0006	0.007	210		6.57	6.60					1							S
83926	10.555	0.048	10.060	0.051		0.466	0.064	T	0.54	0.07	L	10.1175	0.0036	0.029	77		10.05	10.16		C			1 S							G
83927	10.474	0.037	9.864	0.034		0.568	0.020	G	0.64	0.02	H	9.9173	0.0031	0.021	86		9.87	9.95					1 S							G
83928	9.327	0.013	8.191	0.009		0.977	0.012	T	0.96	0.01	L	8.2347	0.0012	0.013	153		8.21	8.26					1							
83929						1.597	0.197	G	1.68	0.23	S	11.1282	0.0044	0.052	112		11.00	11.19		R			1							G
83930	10.730	0.067	9.976	0.054		0.597	0.020	G	0.67	0.02	H	9.9732	0.0029	0.019	62		9.93	10.00		C			1							G
83931	8.821	0.015	8.316	0.015	*	0.526	0.015	G	0.60	0.02	H *	8.3339	0.0012	0.012	102	*	8.32	8.36		D	17093−2954	I 1	2 C S C	BA	282	0.145	0.016	0.71	0.70	
83932	8.867	0.013	8.696	0.016		0.164	0.019	T	0.18	0.02	L	8.7162	0.0014	0.014	102		8.69	8.74					1							
83933	10.968	0.059	9.056	0.021		1.621	0.052	T	2.58	0.07	O	8.8172	0.0042	0.031	75		8.76	8.86		U			1							
83934	9.647	0.024	9.024	0.022		0.580	0.028	T	0.65	0.03	L	9.0791	0.0023	0.020	62		9.04	9.12					1							
83935	10.745	0.050	8.157	0.011	*	2.179	0.042	T	3.28	0.08	O *	7.8572	0.0023	0.019	104	*	7.83	7.89		U	17094−3445	H 1	2 C S D	AB	331	0.110	0.014	0.93	0.58	D
83936	10.115	0.030	9.477	0.026	*	0.593	0.035	T	0.66	0.03	L *	9.7662	0.0029	0.031	148	*	9.71	9.82		D	17094+1901	I 1	2 C A	AB	205	3.186	0.008	1.32	0.04	
83937	9.919	0.025	9.831	0.035	*	0.167	0.010	G	0.18	0.01	H *	9.8354	0.0029	0.022	81	*	9.79	9.87		C	17094−3716	H 1	2 C S B	AB	130	0.164	0.090	1.66	1.42	G
83938	9.132	0.013	8.132	0.009		0.863	0.002	G	0.88	0.00	H	8.1942	0.0016	0.014	141		8.16	8.22		C			1							S
83939	11.678	0.109	10.582	0.065		0.947	0.097	T	0.94	0.07	L	10.6445	0.0033	0.024	94		10.61	10.69		C			1							G
83940	9.235	0.011	7.667	0.006		1.315	0.010	T	1.28	0.01	L	7.6655	0.0010	0.014	184		7.64	7.69		C			1							S
83941	12.271	0.192	10.924	0.099		1.294	0.011	G	1.48	0.02	I	10.8236	0.0036	0.034	94		10.78	10.87		C			1							G
83942	7.625	0.005	7.098	0.005		0.539	0.004	G	0.61	0.00	H	7.1495	0.0011	0.010	147		7.13	7.17		C			1							S
83943	7.864	0.013	7.777	0.019		0.078	0.021	T	0.09	0.02	L	7.7774	0.0027	0.056	72		7.76	7.93	3.74	P 1 A			1							S
83944											T	12.5298	0.0093	0.123	130		12.30	12.70		U			1 X S							D
83945						1.696	0.020	G	2.86	0.06	I	11.7874	0.0058	0.050	94		11.71	11.88					1 X							G G
83946	8.480	0.009	8.179	0.009		0.286	0.012	T	0.33	0.01	L	8.2366	0.0014	0.017	156		8.21	8.26		C			1							S
83947	6.729	0.005	5.212	0.003		1.275	0.005	T	1.23	0.01	L	5.2248	0.0005	0.005	109		5.21	5.23		C			1							S
83948	9.023	0.014	8.097	0.011	*	0.819	0.013	T	0.84	0.01	L *	8.0946	0.0019	0.013	75	*	8.08	8.11		D	17096+0356	H 1	2 C A	AB	20	0.587	0.002	0.30	0.01	S
83949	7.918	0.008	7.335	0.006		0.545	0.009	T	0.62	0.01	L	7.3946	0.0008	0.009	128		7.38	7.41		C			1							S
83950	7.913	0.007	7.418	0.005		0.466	0.008	T	0.54	0.01	L	7.4719	0.0009	0.009	146		7.45	7.49		C			1							S
83951	8.412	0.008	7.944	0.008		0.465	0.015	G	0.54	0.02	H	7.9967	0.0008	0.014	163		7.97	8.03					1							S
83952	8.510	0.007	8.059	0.007		0.425	0.015	G	0.49	0.02	H	8.1131	0.0013	0.014	192		8.09	8.14		C			1							S
83953	7.658	0.006	7.074	0.006		0.561	0.003	G	0.63	0.00	H	7.1238	0.0009	0.008	96		7.10	7.14		C			1							S
83954	8.770	0.010	8.368	0.010	A	0.380	0.013	T	0.44	0.01	L	8.4681	0.0080	0.036	169	A	8.35	8.51		D	17097+3021	I 2	1 C P A							S
83955	10.107	0.022	9.646	0.023	B	0.435	0.029	T	0.50	0.03	L	9.7417	0.0188			B				D	17097+3021	I 2	1 C I A							
83956	10.029	0.024	8.734	0.014		1.101	0.022	T	1.06	0.02	L	8.8013	0.0016	0.016	120		8.77	8.83					1							
83957	9.920	0.026	8.331	0.013		1.332	0.023	T	1.30	0.03	L	8.3185	0.0018	0.013	76		8.30	8.34		C			1 S							S
83958	11.457	0.094	9.186	0.022		1.874	0.077	T	1.91	0.08	L	9.0273	0.0034	0.030	71		8.97	9.06		U 2			1							
83959	8.388	0.011	8.099	0.011		0.275	0.015	T	0.31	0.02	L	8.1550	0.0012	0.012	84		8.13	8.18					1							
83960	9.530	0.023	8.384	0.016	A	0.985	0.022	T	0.97	0.02	L	8.4227	0.0131	0.022	69	A	8.37	8.47			17097−5420	I 1	2 C D	AB	24	14.530	0.064	3.54	0.33	D
83961	10.968	0.051	10.083	0.038		0.734	0.020	G	0.78	0.02	H	10.0678	0.0029	0.025	84		10.00	10.11		C			1							
83962	5.975	0.004	5.481	0.003		0.465	0.005	T	0.54	0.01	L	5.5324	0.0005	0.006	85		5.52	5.56		C			1							S
83963											T	11.0479	0.0269	0.195	97		10.84	11.68		U 2			1 V							G
83964	10.141	0.041	9.344	0.033	*	0.722	0.041	T	0.77	0.03	L *	9.3330	0.0024	0.017	72	*	9.30	9.35		D	17098−5240	I 1	2 C A	AB	153	0.686	0.005	0.31	0.02	
83965	10.170	0.026	8.270	0.011		1.578	0.022	T	1.60	0.02	L	8.2077	0.0019	0.020	101		8.18	8.24					1							
83966	8.575	0.006	8.090	0.006		0.456	0.008	T	0.53	0.01	L	8.1498	0.0013	0.017	279		8.13	8.18					1							S
83967	10.487	0.042	8.759	0.018		1.442	0.036	T	1.44	0.06	L	8.7251	0.0018	0.016	74		8.70	8.75		C			1							
83968	10.637	0.035	9.855	0.027	A	1.200	0.495	G	0.82	0.07	B *	9.8527	0.0035	0.029	142	*	9.81	9.90		R	17098+3849	I 1	2 C C	AB	90	3.323	0.064	3.49	0.27	
83969	10.554	0.058	9.329	0.036		1.040	0.055	T	1.01	0.04	L	9.3816	0.0031	0.021	72		9.35	9.41					1							
83970	8.741	0.016	8.188	0.015		0.500	0.015	G	0.57	0.02	H	8.2580	0.0014	0.009	70		8.24	8.28					1							
83971	9.033	0.012	8.693	0.012		0.330	0.015	G	0.38	0.02	H	8.7372	0.0016	0.016	130		8.71	8.77		C			1							
83972	7.080	0.006	7.152	0.007		−0.061	0.008	T	−0.04	0.01	L	7.1595	0.0031	0.023	132		7.13	7.19	1.15	P 1 A	17099−8219	I 1	1							S
83973	7.324	0.006	6.979	0.010		0.327	0.011	T	0.57	0.02	A	7.0052	0.0021	0.017	74		6.98	7.04		U 2			1							S
83974	10.890	0.042	10.364	0.042		0.494	0.053	T	0.57	0.06	L	10.4457	0.0043	0.035	149		10.38	10.50					1							G
83975	8.430	0.009	7.076	0.004		1.147	0.008	T	1.11	0.01	L	7.1171	0.0007	0.010	170		7.10	7.14		C			1							S
83976	9.107	0.016	7.709	0.010		1.182	0.015	T	1.14	0.01	L	7.7058	0.0011	0.010	79		7.69	7.73		C			1							
83977	9.831	0.021	8.979	0.016		0.767	0.015	G	0.81	0.01	H	8.9941	0.0021	0.022	122		8.97	9.03					1							
83978	9.815	0.034	9.042	0.028	*	0.686	0.015	G	0.74	0.01	H *	9.0716	0.0026	0.021	65	*	9.04	9.11		D	17100−1801	I 1	2 C A	BA	278	0.431	0.006	0.34	0.07	
83979	11.009	0.047	9.135	0.016		1.557	0.039	T	1.57	0.04	L	9.0965	0.0025	0.023	128		9.06	9.14		R			1							
83980	11.349	0.070	10.300	0.045		0.901	0.065	T	0.90	0.05	L	10.3687	0.0029	0.026	86		10.33	10.41		C			1							G
83981	9.921	0.028	8.778	0.018		0.983	0.026	T	0.96	0.02	L	8.7981	0.0023	0.016	76		8.76	8.83		C			1							
83982	9.544	0.019	8.320	0.012		1.046	0.018	T	1.02	0.01	L	8.3815	0.0014	0.010	103		8.37	8.41		C			1							S
83983	9.071	0.013	8.286	0.011		0.713	0.013	T	0.77	0.01	L	8.3490	0.0018	0.014	120		8.32	8.37					1							
83984	6.304	0.003	6.363	0.004		−0.049	0.005	T	−0.03	0.01	L	6.3600	0.0009	0.009	129		6.35	6.37					1							S
83985	10.472	0.040	9.596	0.031		0.767	0.039	T	0.81	0.03	L	9.6387	0.0022	0.020	94		9.61	9.67		C			1							G
83986	8.757	0.010	8.147	0.009		0.617	0.006	G	0.69	0.01	H	8.1958	0.0014	0.013	117		8.17	8.22		C			1							S
83987	8.709	0.010	8.507	0.012		0.186	0.015	T	0.20	0.02	L	8.5470	0.0018	0.014	112		8.52	8.58		C			1							
83988	10.343	0.036	8.923	0.019	A	1.152	0.016	G	1.25	0.03	I	9.0676	0.0418	0.076	91	A	8.81	9.12		D	17102+5430	I 2	1 C P A							
83989	9.433	0.013	7.952	0.007		1.240	0.015	G	1.20	0.01	H	7.9852	0.0014	0.013	142		7.96	8.01					1							S
83990	8.519	0.009	7.492	0.006		0.889	0.015	G	0.98	0.02	A	7.5219	0.0013	0.011	145		7.50	7.55					1							S
83991	7.926	0.010	7.646	0.010	*	0.266	0.013	T	0.30	0.02	L *	7.6572	0.0016	0.012	83	*	7.63	7.68		D	17102−0046	I 1	2 C A	AB	262	0.964	0.008	2.18	0.03	S
83992	10.218	0.033	9.577	0.029		0.589	0.033	T	0.66	0.03	L	9.6147	0.0033	0.020	78		9.55	9.64					1							G
83993	9.421	0.017	8.899	0.016		0.490	0.021	T	0.56	0.02	L	8.9838	0.0023	0.023	109		8.94	9.02					1							
83994	10.952	0.049	9.243	0.020		1.427	0.042	T	1.41	0.07	L	9.1971	0.0023	0.018	84		9.17	9.22		C			1							
83995	11.879	0.111	10.724	0.063		0.992	0.099	T	0.97	0.08	L	10.6094	0.0042	0.035	132		10.54	10.67		R			1							G
83996	10.879	0.064	9.425	0.029	B	1.257	0.004	G	1.42	0.01	I	9.4661	0.0542			B				D	17102+5430	I 2	1 C I A							
83997	9.784	0.023	9.149	0.020		0.585	0.023	T	0.66	0.02	L	9.1989	0.0025	0.015	77		9.17	9.22					1							
83998	6.948	0.004	6.935	0.006	*	0.017	0.006	T	0.04	0.01	L *	6.9409	0.0008	0.007	82	*	6.93	6.95		D	17102−1926	M 1	2 C S A	AB	106	0.171	0.040	1.53	0.47	S
83999	8.028	0.008	6.941	0.008		0.940	0.009	T	0.96	0.03	C	6.9802	0.0011	0.008	73		6.97	7.00					1							S
84000	11.911	0.094	10.672	0.049		1.057	0.083	T	1.02	0.07	L	10.6664	0.0032	0.043	159		10.60	10.74		D			1 X S							G

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)														Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	F1	F2
	h m s	±° ′ ″	mag		deg	deg	mas	mas/yr		mas		mas	mas/yr		α*	α*	δ	α*	δ	π	α*	δ	π	$\mu_{\alpha*}$	%	
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
84001 H	17 10 16.35	−75 22 35.7	7.30	2 H	257.568 122 03	−75.376 596 92 A	12.56	−0.68	21.78	0.80	0.99	1.13	0.87	1.11	+ 4	+ 5	+ 6	+ 8	−15	−10	−16	− 7	− 5	− 1	4	2.48
84002	17 10 17.02	+68 47 28.0	8.89	H	257.570 910 13	+68.791 123 43	2.62	−2.99	13.14	0.70	0.74	0.76	0.86	0.93	+ 2	−10	+ 4	+17	+ 6	− 9	+ 8	+ 8	−14	+10	0	0.36
84003 H	17 10 17.29	+54 03 01.7	9.39	H	257.572 053 30	+54.050 476 64 A	3.24	−3.85	16.57	1.32	1.63	1.19	1.15	1.43	−16	+ 9	+10	+13	+ 2	+ 6	+ 0	+ 1	+ 4	−18	1	−0.20
84004	17 10 18.51	+40 41 23.5	7.33	3 H	257.577 138 91	+40.689 871 84	2.24	17.21	29.95	0.96	1.04	1.18	1.13	1.23	+ 3	− 5	− 2	−18	+ 1	− 1	− 2	+ 3	+13	+14	0	
84005	17 10 18.96	−18 55 34.2	9.40	H	257.579 017 98	−18.926 154 00	0.37	−1.85	−10.68	1.34	0.85	1.45	1.91	0.98	−28	+ 0	−12	+22	−31	+16	−26	+37	−28	−15	0	−0.54
84006	17 10 19.40	+20 14 33.2	9.29	H	257.580 835 04	+20.242 552 57	0.20	−22.41	−15.85	0.81	0.96	1.36	0.99	1.05	−20	− 5	−35	+ 4	+21	− 3	+16	+26	−24	+ 9	0	−0.32
84007	17 10 20.30	−23 42 20.4	10.38	G	257.584 564 46	−23.705 678 94	10.51	−33.72	−53.61	1.90	1.02	1.95	2.64	1.15	+18	−15	− 7	−25	−19	−19	−14	+13	−15	+17	0	1.05
84008	17 10 20.57	+84 35 55.8	7.24	H	257.585 700 96	+84.598 836 58	6.20	29.50	−21.97	0.50	0.49	0.54	0.57	0.64	+12	−19	− 1	−14	+ 3	+ 7	+ 1	+19	+ 0	+19	0	−0.26
84009	17 10 20.73	+46 54 02.7	9.63	G	257.586 382 34	+46.900 761 47	6.45	−39.71	−26.65	0.96	0.97	1.05	1.30	1.18	+17	−19	−15	+14	+20	− 5	+16	+30	+ 2	+25	0	−2.22
84010 H	17 10 20.84	−46 44 18.2	6.73	G	257.586 827 97	−46.738 398 68 A	1.46	1.48	−4.80	1.19	0.88	1.24	1.20	0.90	−14	−28	−22	+ 6	−11	+ 2	− 1	+33	−28	−28	6	0.94
84011	17 10 21.42	−73 35 00.1	9.07	H	257.589 256 04	−73.583 351 28	2.97	2.00	−26.27	0.62	0.91	1.14	0.68	1.21	+20	− 5	− 9	− 9	− 7	− 8	− 9	− 4	+ 2	+30	0	0.16
84012 H	17 10 22.66	−15 43 30.5	2.43	G	257.594 426 59	−15.725 147 57 A	38.77	41.16	97.65	1.12	0.67	0.86	1.13	0.65	−22	−13	−10	+ 6	− 8	+10	− 5	+19	− 9	−21	1	0.84
84013	17 10 25.48	−32 37 15.9	8.59	H	257.606 181 13	−32.621 082 53	0.97	1.07	−5.79	0.98	0.59	1.00	1.13	0.66	+17	−30	−10	+26	+ 8	− 3	+15	+62	−17	+ 8	0	−0.25
84014	17 10 25.60	+48 57 56.5	8.08	2 G	257.606 661 70	+48.965 689 86	2.42	3.50	−24.43	0.61	0.62	0.67	0.69	0.76	+ 1	+ 0	+ 5	+ 5	+10	− 7	+13	+24	+ 4	− 8	0	−0.23
84015	17 10 26.07	−33 01 17.1	8.95	H	257.608 644 59	−33.021 427 66	1.66	3.24	−5.30	1.11	0.64	1.20	1.19	0.71	− 2	−43	−11	+23	− 6	−14	+ 4	+63	−22	− 8	0	−1.02
84016	17 10 26.49	+29 10 03.0	7.83	2 H	257.610 394 24	+29.167 486 74	3.32	−6.78	12.00	0.56	0.65	0.85	0.70	0.78	+ 6	− 4	−12	− 9	+ 2	− 7	+ 2	−16	+ 0	+17	2	1.90
84017	17 10 28.54	−58 00 17.1	8.78	H	257.618 914 77	−58.004 752 86	7.10	−19.81	−36.23	0.77	0.77	1.14	1.02	0.93	−20	− 9	− 6	− 3	+ 5	+12	+ 4	−12	+ 9	−19	0	1.83
84018	17 10 29.09	+01 31 54.1	9.95	H	257.621 199 40	+01.531 701 97	1.21	0.59	−22.04	2.17	1.64	1.94	2.48	1.93	−32	−34	− 9	+69	−30	− 2	−24	+79	−13	−34	0	0.39
84019 H	17 10 30.06	−22 41 19.4	9.96	H	257.625 236 35	−22.688 719 86 A	9.04	−100.28	−45.40	2.90	1.60	2.77	2.78	1.50	+19	−44	−37	+12	−14	− 1	+ 1	+31	−17	− 7	1	−0.59
84020	17 10 30.61	+21 12 56.0	7.58	H	257.627 529 12	+21.215 548 47	8.25	−9.95	21.75	0.56	0.64	0.91	0.76	0.84	+19	−13	−12	+25	+23	+ 7	+25	+37	− 9	+13	1	1.46
84021	17 10 30.65	+52 24 31.6	6.30	H	257.627 689 28	+52.408 790 75	7.69	−14.60	−8.75	0.47	0.52	0.52	0.52	0.59	+13	−11	+ 7	+18	+19	− 5	+20	+15	+ 2	+18	0	−0.37
84022	17 10 32.09	+39 51 06.7	7.54	H	257.633 691 82	+39.851 857 19	14.27	−1.93	35.99	0.54	0.54	0.66	0.61	0.61	− 1	− 4	− 1	− 3	+ 9	−27	+ 9	+ 0	+ 9	− 5	0	1.15
84023 H	17 10 32.75	−13 42 57.4	9.48	H	257.636 451 51	−13.715 951 61 *	2.44	9.71	−5.06	1.48	0.94	1.68	1.64	1.02	−10	−30	−19	+ 7	−30	+16	−14	+37	−29	−27	0	0.84
84024	17 10 33.86	−50 39 26.9	9.80	H	257.641 096 48	−50.657 474 69	5.26	−12.19	−45.43	1.44	1.07	1.68	1.94	1.24	− 3	−14	−13	+16	+17	+21	+18	+ 7	− 3	− 9	0	2.14
84025	17 10 34.36	−50 03 15.0	8.78	1 G	257.643 153 46	−50.054 159 30	3.47	−5.16	−6.88	1.10	0.79	1.22	1.47	0.90	−14	−10	− 9	+ 5	+31	+ 0	+27	+ 3	− 3	− 4	0	1.11
84026	17 10 36.70	−10 52 37.0	8.75	H	257.652 935 03	−10.876 950 40	9.56	−21.01	−28.91	0.99	0.65	1.06	1.26	0.73	+ 1	−29	−17	+ 9	−28	+11	−18	+29	−13	− 8	0	0.80
84027	17 10 37.07	+27 35 30.0	9.74	3 H	257.654 470 60	+27.591 652 89	0.95	−5.32	28.22	0.81	1.01	1.35	1.07	1.29	+ 6	−12	−19	−10	+12	− 8	+10	+ 0	+ 9	− 4	0	1.81
84028	17 10 37.74	+24 31 54.7	8.33	H	257.657 247 97	+24.531 862 62	26.38	−202.60	235.48	0.42	0.77	1.11	0.49	0.94	+19	−15	−28	+ 7	+ 9	− 4	+10	+ 7	− 6	+ 9	0	0.47
84029	17 10 39.28	−48 25 19.6	9.98	H	257.663 660 86	−48.422 104 86	6.58	−34.16	−75.62	1.62	1.14	1.93	2.07	1.27	−10	−18	−16	+13	+ 7	−11	+10	+ 3	−20	+ 7	0	0.18
84030	17 10 40.09	−59 33 40.9	8.47	H	257.667 060 46	−59.561 372 41	3.47	−1.76	−26.71	0.73	0.72	1.35	0.86	0.77	+ 2	−23	−23	−12	− 5	+19	− 5	− 9	+18	− 4	2	0.53
84031	17 10 40.31	+46 33 22.4	7.57	H	257.667 962 12	+46.556 235 73	2.88	32.65	−82.44	0.64	0.70	0.76	0.81	0.84	+14	−10	−23	+ 2	− 9	+21	+ 0	+32	−13	− 2	0	−0.11
84032	17 10 42.27	+13 24 42.5	8.64	H	257.676 123 01	+13.411 803 16	4.84	−1.22	−3.39	1.21	0.98	1.16	1.26	1.06	+62	−17	+ 0	+61	+65	− 3	+65	+66	− 7	+69	0	−0.56
84033	17 10 42.35	−44 33 27.2	5.06	H	257.676 460 22	−44.557 551 10	10.87	−33.25	−69.11	0.80	0.55	0.83	0.92	0.60	−14	−39	+20	+33	+19	+19	+ 9	+52	+ 6	− 2	2	0.60
84034	17 10 43.44	−12 42 03.9	6.71	H	257.680 996 90	−12.701 087 55	11.60	−33.17	−52.97	0.93	0.55	1.03	1.00	0.60	− 3	−40	−23	+38	−16	+ 0	− 1	+58	−30	−20	0	1.18
84035 H	17 10 45.28	−74 24 31.7	8.81	H	257.688 676 63	−74.408 793 72 A	12.16	−70.60	−151.93	1.21	1.55	1.75	1.23	1.74	+ 6	−13	+ 4	− 9	−15	− 2	− 9	−19	−24	+11	1	0.53
84036	17 10 45.73	+12 28 01.3	6.58	H	257.690 547 47	+12.467 016 96	8.57	34.09	−15.91	0.60	0.50	0.73	0.63	0.54	+18	−31	− 7	+33	+28	+ 4	+29	+37	− 6	+23	0	−0.59
84037	17 10 45.74	−16 21 18.3	9.61	G	257.690 565 70	−16.355 074 10	5.58	19.54	−5.10	1.45	1.01	1.63	1.68	1.08	−17	−31	−30	+27	−40	+25	−20	+63	−29	−43	0	−1.61
84038	17 10 46.06	+49 20 48.4	7.49	2 T	257.691 933 13	+49.346 788 36	0.30	−33.48	14.93	0.56	0.57	0.62	0.65	0.76	− 3	− 4	+ 5	+ 4	− 4	+ 2	+ 0	+23	+ 0	−22	0	0.60
84040	17 10 48.20	+32 10 44.8	7.24	H	257.700 824 67	+32.179 123 98	11.86	20.53	−87.40	0.45	0.55	0.71	0.49	0.58	+ 3	− 9	−31	+ 9	+12	−29	+ 4	−14	+ 8	+ 0	0	−0.50
84041	17 10 49.26	+75 05 51.9	8.17	H	257.705 250 00	+75.097 762 74	4.36	−9.22	25.87	0.58	0.56	0.61	0.61	0.68	+ 5	−22	− 7	−15	+ 2	− 6	+ 2	+12	− 5	+ 7	0	0.78
84042	17 10 51.22	−73 40 48.9	8.45	2 H	257.713 425 76	−73.680 256 11	3.70	4.18	−23.03	0.54	0.81	1.02	0.57	0.99	+14	−12	− 5	− 6	− 6	−12	− 7	−11	+ 3	+21	1	1.68
84043	17 10 54.43	+35 31 12.2	9.39	H	257.726 811 41	+35.520 054 78	8.03	−9.24	−44.90	0.79	0.87	1.05	0.92	1.19	+ 4	+ 0	− 3	+ 2	+ 3	− 2	+ 6	+19	− 3	− 8	0	1.21
84044	17 10 54.48	+51 19 02.3	8.80	H	257.727 000 36	+51.317 306 53	4.52	25.46	−9.47	0.71	0.69	0.77	0.70	0.84	+ 2	−10	+ 9	−12	+ 8	+ 0	+ 9	+ 9	+11	− 3	0	0.04
84045	17 10 56.58	+31 10 26.4	7.58	H	257.735 770 07	+31.174 004 66	2.31	0.53	−8.72	0.55	0.59	0.78	0.72	0.78	+ 8	−13	−26	+ 0	− 6	+ 4	− 6	+11	+ 5	+ 1	3	−0.76
84046	17 10 56.69	−05 31 44.6	9.02	H	257.736 188 86	−05.529 051 32	1.71	14.14	−1.27	1.15	0.88	1.31	1.59	1.18	−21	−19	+28	+14	+23	− 1	+19	+31	+14	− 5	0	0.30
84047	17 10 56.84	+66 15 26.3	7.62	H	257.736 829 96	+66.257 301 09	2.46	0.39	8.86	0.52	0.55	0.56	0.55	0.69	+19	−21	− 9	−19	−13	+ 7	−16	−14	+13	+25	0	1.87
84048	17 10 57.21	+14 55 14.4	8.40	H	257.738 380 92	+14.920 665 63	10.24	−4.14	23.90	0.66	0.62	1.05	0.71	0.66	− 3	−30	−14	+ 9	+16	+22	+21	+24	−15	+ 9	0	1.20
84049	17 10 58.43	+39 04 42.9	8.58	H	257.743 442 10	+39.078 582 27	1.56	−3.73	8.58	0.66	0.66	0.80	0.69	0.78	− 5	+ 0	+ 6	−12	+10	−15	+12	− 4	+ 9	− 1	0	−1.05
84050	17 10 59.36	+11 36 21.1	8.57	H	257.747 349 90	+11.605 850 24	2.03	−17.03	−27.31	0.92	0.73	1.04	0.94	0.81	+24	−29	− 1	+48	+34	+ 1	+35	+46	− 6	+34	0	0.32
84051	17 10 59.39	−52 30 57.2	10.05	G	257.747 464 40	−52.515 892 00	79.53	−250.95	158.12	1.46	1.16	1.82	1.59	1.20	−10	−14	−26	+10	+ 3	+ 4	+ 5	+10	− 8	−16	0	1.08
84052 H	17 10 59.66	+03 02 19.9	8.86	H	257.748 595 74	+03.038 859 77 A	3.72	−9.26	−2.77	1.74	1.55	1.72	2.07	1.82	−11	−12	−27	+32	+ 5	−40	− 7	+42	+ 3	−20	3	−0.74
84053	17 11 01.41	−72 51 10.7	7.81	G	257.755 876 26	−72.852 974 87	8.13	−23.48	−65.05	0.44	0.66	0.84	0.47	0.79	+10	−11	− 5	+ 2	− 6	− 9	− 9	−16	+ 5	+ 4	0	−0.39
84054	17 11 03.17	+24 14 15.4	6.20	1 H	257.763 212 45	+24.237 620 81	11.41	−11.66	30.27	0.29	0.49	0.71	0.34	0.61	+12	−13	−26	− 6	+ 7	− 9	+ 6	− 3	− 9	+ 9	0	−0.93
84055	17 11 03.44	−31 34 58.1	9.27	H	257.764 336 60	−31.582 817 43	9.32	6.35	−36.53	1.23	0.74	1.33	1.41	0.82	− 9	−18	−21	+22	−29	+ 0	−16	+68	−33	−21	0	−0.83
84056	17 11 04.37	−20 39 15.2	6.81	H	257.768 208 06	−20.654 234 11	13.13	−7.11	−137.83	0.89	0.49	1.04	1.02	0.53	− 2	−28	− 6	−20	−14	−35	− 3	+14	− 4	−28	0	−0.75
84057	17 11 05.11	−43 29 22.5	7.72	H	257.771 305 46	−43.489 582 44	6.46	2.29	10.18	0.97	0.58	1.10	1.03	0.63	+ 5	−39	−15	+29	+10	+14	+20	+48	−24	− 6	0	2.65
84058	17 11 06.17	−15 13 04.9	9.14	H	257.775 724 99	−15.218 015 42	7.59	−11.40	−5.99	1.26	0.72	1.38	1.55	0.77	− 1	−39	−16	+26	− 7	+20	+ 1	+44	−12	− 9	0	−1.98
84059	17 11 07.38	−61 57 15.2	9.81	3 H	257.780 752 45	−61.954 225 96	−0.14	−1.27	2.81	0.94	1.00	1.66	1.17	1.13	−10	+ 0	−34	−24	−10	+ 9	− 7	−31	+20	−31	0	−0.24
84060	17 11 07.51	+10 55 38.3	9.01	H	257.781 286 73	+10.927 294 04	6.07	−12.98	21.52	1.09	0.87	1.30	1.12	1.02	+32	−25	−30	+55	+28	+ 5	+36	+55	−24	+19	2	1.02
84061	17 11 07.91	+28 42 29.1	10.17	H	257.782 966 56	+28.708 070 39	5.57	−8.82	−14.23	2.05	2.47	3.20	2.35	3.10	+ 6	−15	−14	−13	+ 0	+ 2	+ 3	+ 2	− 8	− 9	0	
84062	17 11 08.43	+56 39 33.7	6.98	H	257.785 108 87	+56.659 369 60	35.47	−3.10	−66.79	1.14	1.20	1.25	1.34	1.51	+ 9	−10	−10	− 8	− 3	+ 8	− 4	−19	+17	+15	2	
84063	17 11 09.38	−58 01 31.7	6.77	H	257.789 088 98	−58.025 483 64	1.76	−0.88	−10.46	0.58	0.51	0.84	0.80	0.64	−13	−13	− 9	+15	− 5	+20	− 6	+15	+16	−22	0	1.83
84064	17 11 10.52	−17 42 31.8	9.30	H	257.793 831 20	−17.708 837 51	2.50	−4.76	−5.34	1.52	0.89	1.76	2.08	1.01	−12	−17	−27	+27	−24	+14	−10	+43	−39	−10	0	−0.28
84065	17 11 10.84	−47 49 54.1	9.01	H	257.795 159 19	−47.831 688 36	9.18	7.04	−51.05	1.27	0.80	1.54	1.45	0.92	− 9	−40	+15	− 3	− 2	− 5	+ 8	− 3	−26	+24	3	−0.72
84066 H	17 11 11.46	−44 16 07.7	9.20	H	257.797 749 68	−44.268 796 15 A	0.06	−9.00	−9.90	2.11	1.35	2.05	2.61	1.31	− 6	+ 9	− 3	+ 6	+40	− 1	+34	+17	+ 4	+ 4	1	−0.36
84067 H	17 11 11.59	−51 56 13.3	8.25	H	257.798 277 27	−51.937 033 32 A	6.06	−20.15	−58.51	4.52	2.65	1.28	1.41	0.98	−56	− 7	−14	+14	− 7	−10	− 8	+18	− 3	−43	3	0.26
84068	17 11 12.10	+30 57 22.2	8.10	G	257.800 399 99	+30.956 168 07	11.87	5.68	48.56	0.54	0.65	0.81	0.63	0.81	+ 3	− 8	−26	+17	−10	− 8	−13	+17	− 1	− 4	0	−1.10
84069	17 11 15.63	−56 40 50.4	7.24	H	257.815 122 02	−56.680 661 24	14.59	87.19	−55.37	0.62	0.58	0.91	0.75	0.63	−40	−16	+ 2	+ 5	−13	+15	−13	+ 8	+ 6	−28	1	0.58
84070	17 11 16.93	+24 15 08.4	6.94	H	257.820 537 80	+24.252 344 90	11.91	−11.44	29.03	0.32	0.56	0.82	0.37	0.69	+14	−14	−29	− 3	+ 7	− 7	+ 6	− 2	− 8	+ 9	0	−1.39
84071	17 11 17.02	−32 19 30.7	7.06	3 H	257.820 925 03	−32.325 192 20	−1.52	−2.76	−4.11	0.87	0.65	0.85	1.11	0.74	+ 7	−15	− 8	+47	+ 5	− 5	+ 6	+74	−15	+11	2	0.68
84072	17 11 17.64	+51 45 15.6	7.13	H	257.823 512 96	+51.754 343 62	5.93	11.89	3.41	0.50	0.55	0.56	0.52	0.63	+14	+ 5	+ 6	− 8	− 3	− 4	− 3	+ 0	+ 0	+15	0	−0.08
84073 H	17 11 18.16	−46 10 55.6	7.52	G	257.825 651 59	−46.182 115 61 *	1.36	−0.99	−5.11	0.89	0.66	1.00	0.99	0.75	−35	−28	−12	+25	−33	+19	−19	+46	−32	−46	0	1.34
84074	17 11 18.99	+37 16 07.2	9.62	H	257.829 105 62	+37.268 678 14	3.86	−4.03	−1.56	0.84	0.85	1.00	0.95	1.05	+15	− 1	+10	+20	+18	− 1	+19	+29	+ 2	+18	0	−0.27
84075	17 11 19.31	+46 00 40.1	8.65	H	257.830 459 20	+46.011 136 59	1.29	−16.01	−50.16	0.75	0.80	0.85	0.84	0.91	+22	−13	−16	−14	− 8	− 2	− 5	+15	− 1	+ 9	0	−0.19
84076	17 11 20.94	−25 01 53.4	8.30	G	257.837 229 42	−25.031 504 99	9.90	−18.89	−53.98	1.22	0.62	1.45	1.49	0.68	+ 9	−22	+ 0	− 4	−17	−35	− 4	+28	−32	+ 8	0	−0.28
84077	17 11 21.36	−57 06 02.1	9.10	H	257.839 005 53	−57.100 582 69	6.27	46.90	−23.74	0.98	0.91	1.46	1.24	1.04	−30	−14	− 7	+ 3	− 5	+21	− 3	− 8	+17	−12	0	0.01
84078	17 11 21.99	−20 25 28.8	7.42	H	257.841 633 34	−20.424 665 37	3.28	−5.80	−18.91	0.90	0.55	1.03	1.08	0.60	− 8	−15	−20	−14	−23	−21	−11	+30	−13	−38	0	1.24
84079	17 11 22.27	−57 57 20.1	8.89	H	257.842 811 31	−57.955 593 57	7.41	−18.86	−35.70	0.78	0.73	1.18	1.04	0.89	−11	−13	−14	+ 2	+ 4	+20	+ 3	+ 7	+22	−13	0	1.86
84080	17 11 22.30	−28 49 59.9	9.97	H	257.842 915 94	−28.833 311 95	7.12	−12.14	−9.44	1.54	0.86	1.78	1.74	0.96	−24	−17	− 6	+ 3	−29	−12	−15	+59	−29	−34	0	0.92
84081	17 11 22.34	+57 53 16.9	9.68	H	257.843 098 40	+57.888 024 39	5.10	−14.65	18.20	0.95	0.92	0.98	1.20	1.23	+ 8	+ 9	−14	+30	− 2	+16	+ 0	+ 1	+ 5	+ 7	0	−1.75
84082	17 11 22.62	+04 41 25.0	6.77	H	257.844 248 78	+04.690 274 96	22.83	−57.72	−0.27	0.66	0.49	0.84	0.74	0.56	+ 6	−15	−12	+11	+36	+ 5	+36	+ 3	+10	+ 8	0	1.26
84083	17 11 22.81	−06 37 52.2	8.76	H	257.845 054 04	−06.631 167 93	2.70	−20.43	8.00	1.13	0.81	1.32	1.87	1.16	−15	−15	+15	+16	+21	− 7	+22	+34	− 5	−30	0	−0.66
84084	17 11 24.61	−38 24 34.5	12.25	H	257.852 535 34	−38.409 580 29 B	54.25	101.97	31.97	198.43	124.49	56.24	82.21	48.06	−15	−24	− 8	+ 3	+ 9	−11	+ 1	+56	− 2	− 7	1	0.53
84085	17 11 25.26	−52 28 11.3	8.74	H	257.855 236 86	−52.469 805 48	1.95	−2.16	−33.23	0.99	0.81	1.21	1.09	0.83	−14	−15	−17	+15	+ 5	+ 0	+ 6	+12	−15	−16	2	0.25
84086	17 11 25.78	−50 07 08.8	7.45	H	257.857 430 23	−50.119 108 63	4.31	0.62	−6.63	0.81	0.62	0.87	1.12	0.66	−12	+ 8	+ 5	+15	+43	+19	+36	+ 0	+11	− 5	0	−0.17
84087	17 11 26.00	−38 24 41.9	9.39	G	257.858 314 48	−38.411 645 49 A	1.68	7.36	−2.48	3.83	2.66	3.14	4.17	2.53	−10	−30	−15	+30	− 2	+ 3	− 2	+69	−14	−13	1	0.53
84088	17 11 27.11	+70 20 05.8	10.28	H	257.862 938 18	+70.334 954 68	2.07	−11.07	14.87	0.90	0.97	0.98	0.99	1.12	+ 1	−12	+ 4	− 3	+15	−15	+18	− 2	− 8	+ 1	0	1.75
84089	17 11 28.46	+32 56 13.3	8.78	H	257.868 565 34	+32.937 027 43	2.98	10.64	25.54	0.65	0.76	0.92	0.72	0.93	+20	−15	−12	+ 9	+14	− 5	+12	+ 5	+16	+19	0	1.27
84090 H	17 11 29.37	−68 38 35.4	8.02	H	257.872 357 87	−68.643 159 66 A	5.41	−17.59	−30.82	0.65	0.80	1.06	0.76	0.88	+20	−15	+ 1	− 8	− 1	− 6	− 3	+15	−19	+21	1	0.30
84091	17 11 29.40	+48 46 46.7	8.53	H	257.872 491 37	+48.779 640 16	2.49	−0.28	−21.90	0.66	0.69	0.73	0.82	0.84	+ 8	+ 3	− 5	+23	+15	−17	+15	+25	+ 7	− 2	0	−0.60
84092 H	17 11 29.58	−16 29 30.8	7.51	H	257.873 243 24	−16.491 886 49 *	10.33	−13.64	−4.65	0.94	0.58	1.02	0.99	0.61	−15	−41	− 9	+20	−25	+15	−13	+50	−17	−29	0	−0.27
84093	17 11 30.38	+17 11 08.0	9.29	H	257.876 598 22	+17.185 564 86	−1.58	8.74	5.45	1.01	0.89	1.44	1.39	1.07	− 3	+ 9	−19	−12	+19	− 6	+ 6	+21	− 6	+33	0	1.59
84094 H	17 11 31.40	−09 55 39.3	8.21	H	257.880 839 17	−09.927 569 93 *	3.87	−5.87	0.31	4.18	1.37	2.28	2.34	1.25	+19	−34	−47	+27	− 6	−14	+ 1	+51	−30	− 5	2	−1.05
84095	17 11 33.16	+22 43 29.8	8.86	H	257.888 155 46	+22.724 943 87	2.48	6.78	9.43	0.76	0.88	1.36	1.12	1.13	+ 6	+ 0	−15	+ 3	+ 9	−14	+ 6	+10	−21	+ 8	1	0.07
84096	17 11 33.68	+16 24 39.3	8.43	H	257.890 337 42	+16.410 903 28	4.24	9.47	−8.02	0.71	0.66	1.13	0.84	0.79	+ 9	−23	−16	+ 3	+19	+12	+20	+23	−17	+31	0	1.18
84097	17 11 33.73	+08 37 31.5	8.54	H	257.890 521 66	+08.625 427 82	1.80	0.07	−14.12	1.49	0.93	1.26	1.65	1.03	+57	−22	−16	+70	+53	− 5	+54	+58	−14	+52	0	−0.13
84098	17 11 33.78	−08 48 55.5	9.41	H	257.890 738 79	−08.815 415 04	14.19	−62.44	−58.30	1.36	0.89	1.62	1.66	0.97	−23	−15	+29	+45	+ 9	+27	+ 1	+53	− 5	−14	0	1.07
84099	17 11 34.59	+38 26 34.3	11.54	H	257.894 122 67	+38.442 869 12	83.13

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
84001	7.771	0.007	7.308	0.008	*	0.450	0.009	T	0.52	0.01	L *	7.4012	0.0016	0.019	183	*	7.37	7.46		U 2	17103−7523	I 1	2 C A	AB	186	6.749	0.006	1.72	0.02	S
84002	10.190	0.026	8.996	0.017		1.022	0.024	T	1.00	0.02	L	9.0468	0.0019	0.019	96		9.02	9.09					1							
84003	10.726	0.051	9.502	0.028	*	1.046	0.045	T	1.02	0.04	L *	9.5565	0.0023	0.020	86	*	9.51	9.59		C	17103+5403	H 1	2 C D	AB	340	0.392	0.077	3.50	0.40	D
84004	9.625	0.020	8.136	0.011		1.253	0.018	T	1.21	0.02	L	7.4994	0.0367	0.287	103		7.24	8.02		U 2 C			1 X S							S P
84005	10.590	0.061	9.532	0.039		1.084	0.015	G	1.05	0.01	I	9.5688	0.0025	0.015	72		9.54	9.60		C			1							
84006	10.844	0.035	9.436	0.017		1.190	0.031	T	1.15	0.03	L	9.4529	0.0027	0.029	149		9.39	9.51		R			1							
84007	11.202	0.088	10.453	0.070		0.710	0.015	G	0.76	0.01	H	10.5302	0.0036	0.026	71		10.47	10.56					1							G
84008	8.565	0.014	7.349	0.010		1.039	0.013	T	1.01	0.01	L	7.4035	0.0009	0.008	125		7.39	7.42		C			1							S
84009	10.150	0.031	9.690	0.031		0.480	0.015	G	0.55	0.02	H	9.7309	0.0031	0.023	93		9.68	9.78					1							
84010	6.949	0.008	6.713	0.007	*	0.287	0.004	G	0.33	0.01	H *	6.7730	0.0018	0.010	77	*	6.76	6.79		D	17103−4644	I 1	2 C A	AB	167	8.161	0.004	1.53	0.02	S
84011	9.431	0.012	9.094	0.013		0.325	0.019	T	0.38	0.03	L	9.1515	0.0019	0.024	186		9.12	9.19					1							
84012	2.551	0.003	2.438	0.003	*	0.059	0.010	G	0.06	0.02	A *	2.4393	0.0008	0.004	62	*	2.43	2.45		D	17104−1544	I 1	2 C A	AB	251	0.466	0.003	0.51	0.01	S
84013	8.753	0.012	8.623	0.015		0.126	0.018	T	0.14	0.02	L	8.6374	0.0014	0.014	104		8.61	8.66		C			1							
84014	9.293	0.014	8.228	0.010		0.923	0.013	T	0.92	0.01	L	8.2610	0.0091	0.139	115		8.16	8.62	27.54	P 1 A			1							P
84015	9.030	0.015	8.964	0.019		0.066	0.023	T	0.08	0.03	L	8.9816	0.0021	0.015	106		8.96	9.01		C			1							
84016	9.944	0.018	8.105	0.008		1.530	0.016	T	1.57	0.04	L	7.9368	0.0027	0.029	141		7.89	7.98		U 2			1 S							S P
84017	9.333	0.014	8.810	0.014		0.457	0.010	G	0.53	0.01	H	8.8846	0.0016	0.017	111		8.86	8.92					1							
84018	12.382	0.220	10.179	0.046		1.861	0.185	T	1.87	0.25	K	10.0455	0.0025	0.029	88		10.00	10.10					1 G							G
84019	10.746	0.067	10.180	0.066	A	0.731	0.155	G	1.08	0.07	B *	10.1322	0.0024	0.020	77	*	10.08	10.18		R	17105−2241	I 1	2 C B	AB	356	2.290	0.029	2.71	0.17	G
84020	8.031	0.006	7.615	0.006		0.393	0.008	T	0.46	0.01	L	7.6740	0.0010	0.013	161		7.65	7.70		C			1							S
84021	6.266	0.003	6.296	0.004		−0.025	0.004	T	0.00	0.00	L	6.2978	0.0006	0.006	101		6.29	6.31					1							S
84022	8.072	0.009	7.592	0.009		0.452	0.012	T	0.52	0.01	L	7.6419	0.0011	0.010	117		7.62	7.66		C			1							S
84023	12.072	0.142	9.793	0.032	*						T *	9.6480	0.0034	0.026	69	*	9.60	9.69			17105−1343	H 1	2 C S B	AB	9	0.156	0.021	0.40	0.82	
84024	11.460	0.113	9.988	0.049		1.240	0.097	T	1.20	0.10	L	9.9662	0.0043	0.028	75		9.91	10.01					1							G
84025	8.813	0.017	8.830	0.023		0.041	0.003	G	0.06	0.00	H	8.7914	0.0046	0.029	80		8.75	8.85	1.95	P 1 A			1							
84026	9.362	0.019	8.808	0.018		0.519	0.023	T	0.59	0.02	L	8.8590	0.0011	0.014	66		8.83	8.88		C			1							
84027	11.378	0.061	9.902	0.027		1.262	0.055	T	4.13	0.08	O	9.1239	0.0159	0.259	142		8.43	9.34	265.60	P 1 A			1 S							G
84028	9.424	0.010	8.423	0.007		0.869	0.001	G	0.91	0.00	H	8.4787	0.0012	0.018	270		8.45	8.51					1							
84029	11.403	0.123	10.195	0.064		1.033	0.108	T	1.01	0.09	L	10.1487	0.0040	0.023	59		10.12	10.19		C			1							G
84030	8.672	0.010	8.500	0.012		0.157	0.015	T	0.17	0.01	L	8.5266	0.0016	0.016	124		8.50	8.56					1							
84031	8.988	0.013	7.693	0.008		1.101	0.012	T	1.06	0.01	L	7.7410	0.0014	0.012	98		7.72	7.76					1							S
84032	9.207	0.016	8.702	0.015		0.538	0.015	G	0.61	0.02	H	8.7524	0.0020	0.017	99		8.73	8.80		C			1							
84033	6.157	0.004	5.157	0.003		0.867	0.007	G	0.89	0.02	A	5.2140	0.0007	0.005	74		5.21	5.22		C	17107−4433	I 1	1 S							S
84034	6.920	0.007	6.728	0.007		0.176	0.010	T	0.19	0.01	L	6.7688	0.0015	0.009	69		6.76	6.78					1							S
84035	9.631	0.014	8.919	0.012	A	0.500	0.495	G	0.71	0.03	L *	8.9403	0.0018	0.024	176	*	8.90	8.98		D	17107−7424	I 1	2 C A	AB	329	1.201	0.022	2.37	0.07	
84036	6.700	0.004	6.590	0.004		0.086	0.006	G	0.12	0.03	C	6.6200	0.0007	0.008	104		6.60	6.63		C			1							S
84037	10.426	0.046	9.731	0.038		0.677	0.020	G	0.74	0.02	H	9.7653	0.0033	0.020	78		9.73	9.80		C			1							G
84038	9.603	0.019	7.681	0.008		1.595	0.016	T	1.61	0.02	L	7.5753	0.0178	0.191	112		7.40	7.92	313.00	P 1 A			1 S							S
84040	8.424	0.009	7.340	0.006		0.937	0.008	T	0.93	0.01	L	7.4035	0.0011	0.010	129		7.38	7.42		C			1							S
84041	8.222	0.008	8.170	0.010		0.053	0.012	T	0.07	0.01	L	8.1914	0.0009	0.012	108		8.17	8.21		C			1							S
84042	10.277	0.020	8.700	0.010		1.345	0.018	T	2.99	0.04	O	8.3618	0.0066	0.084	185		8.24	8.52		U 2			1 S							
84043	10.150	0.027	9.433	0.022		0.659	0.028	T	0.72	0.02	L	9.5252	0.0024	0.021	121		9.49	9.56		C			1							
84044	9.185	0.016	8.820	0.016		0.346	0.021	T	0.41	0.03	L	8.8816	0.0017	0.020	101		8.85	8.93					1							
84045	8.710	0.010	7.669	0.007		0.905	0.009	T	0.91	0.01	L	7.7379	0.0010	0.012	144		7.72	7.76					1							S
84046	9.535	0.020	9.031	0.020		0.474	0.026	T	0.55	0.03	L	9.1275	0.0026	0.017	67		9.10	9.15		C			1							
84047	7.814	0.007	7.646	0.009		0.161	0.011	T	0.18	0.01	L	7.6778	0.0012	0.011	110		7.66	7.70		C			1							S
84048	8.928	0.011	8.453	0.011		0.430	0.020	G	0.50	0.02	H	8.4992	0.0015	0.015	123		8.47	8.53		C			1							S
84049	10.202	0.024	8.718	0.012		1.249	0.021	T	1.21	0.02	L	8.7407	0.0014	0.016	131		8.71	8.77		C			1							
84050	9.762	0.025	8.655	0.017		0.955	0.024	T	0.94	0.02	L	8.7307	0.0023	0.019	80		8.70	8.76		C			1							
84051	11.830	0.158	10.260	0.066		1.457	0.005	G	1.84	0.02	I	10.0906	0.0034	0.032	73		10.03	10.14					1							G
84052	10.745	0.049	9.061	0.020	*	1.407	0.042	T	1.39	0.05	L *	9.0087	0.0018	0.013	72	*	8.99	9.03		D	17110+0302	H 1	2 C A	AB	196	0.874	0.010	2.42	0.04	
84053	8.332	0.009	7.846	0.007		0.458	0.015	G	0.53	0.02	H	7.9031	0.0010	0.014	188		7.88	7.93					1							S
84054	6.469	0.002	6.226	0.002		0.227	0.003	T	0.25	0.00	L	6.2662	0.0008	0.011	272		6.25	6.28	0.09	P 1 A			1							S P
84055	10.036	0.030	9.349	0.026		0.623	0.030	T	0.69	0.03	L	9.3977	0.0016	0.015	88		9.38	9.42		C			1							G
84056	8.125	0.009	6.921	0.005		1.030	0.008	T	1.00	0.01	L	6.9758	0.0008	0.008	84		6.96	6.99		D			1							S
84057	9.256	0.025	7.877	0.015		1.167	0.023	T	1.13	0.02	L	7.8840	0.0015	0.011	78		7.87	7.90		C			1							
84058	9.659	0.023	9.198	0.023		0.434	0.020	G	0.50	0.02	H	9.2354	0.0031	0.017	76		9.21	9.26					1							
84059	12.888	0.360	9.945	0.039		2.100	0.510	G	2.09	0.52	J	9.8869	0.1064	0.610	120		9.19	10.93	217.60	P 1 A			1 S							G
84060	9.359	0.019	9.006	0.020		0.335	0.026	T	0.39	0.04	L	9.0902	0.0022	0.018	80		9.05	9.12		C			1							
84061	10.670	0.034	10.226	0.036		0.419	0.046	T	0.49	0.05	L	10.2599	0.0033	0.038	151		10.16	10.32					1 X S							G
84062	7.877	0.007	7.065	0.006		0.705	0.015	G	0.75	0.01	H	7.1209	0.0010	0.009	109		7.11	7.14		C			1 X							S
84063	8.440	0.009	6.907	0.005		1.288	0.008	T	1.25	0.01	L	6.9258	0.0010	0.008	125		6.91	6.94					1							S
84064	11.125	0.080	9.458	0.030		1.393	0.067	T	1.37	0.08	L	9.4481	0.0037	0.021	69		9.42	9.48					1							
84065	9.723	0.030	9.095	0.028		0.579	0.030	T	0.65	0.03	L	9.1358	0.0020	0.015	57		9.11	9.16		C			1							
84066	10.805	0.059	9.430	0.029	A	0.700	0.495	G	0.96	0.06	L *	9.3631	0.0031	0.022	74	*	9.32	9.39		D	17112−4416	I 1	2 C A	AB	133	5.602	0.018	2.34	0.06	
84067	8.858	0.017	8.322	0.016	*	0.510	0.017	T	0.58	0.02	L *	8.3569	0.0017	0.018	69	*	8.33	8.38		D	17112−5156	I 1	2 C A	AB	296	0.314	0.007	0.74	0.09	
84068	8.629	0.009	8.143	0.009		0.485	0.015	G	0.56	0.02	H	8.2026	0.0015	0.015	153		8.18	8.23					1							S
84069	8.089	0.008	7.319	0.008		0.699	0.001	G	0.76	0.00	H	7.3751	0.0011	0.010	130		7.36	7.39					1							S
84070	7.403	0.003	6.988	0.003		0.392	0.004	T	0.46	0.00	L	7.0337	0.0008	0.010	275		7.02	7.05					1							S
84071	10.755	0.055	7.732	0.010		2.397	0.041	T	2.45	0.04	L	7.0811	0.0077	0.175	89		6.65	7.45		U 2 B			1 S							P
84072	7.274	0.007	7.146	0.006		0.124	0.009	T	0.14	0.01	L	7.1748	0.0010	0.010	100		7.16	7.19		C			1							S
84073	7.600	0.008	7.530	0.011	*	0.101	0.007	G	0.11	0.01	H *	7.5565	0.0015	0.009	65	*	7.54	7.58		D	17113−4611	I 1	2 C S A	AB	94	0.156	0.008	0.35	0.48	S
84074	10.119	0.025	9.654	0.024		0.438	0.032	T	0.51	0.03	L	9.7192	0.0024	0.021	130		9.68	9.75		C			1							
84075	9.986	0.027	8.756	0.017		1.050	0.025	T	1.02	0.02	L	8.8173	0.0019	0.018	116		8.78	8.85					1							
84076	8.868	0.016	8.376	0.016		0.490	0.015	G	0.56	0.02	H	8.4044	0.0015	0.012	76		8.38	8.43					1							
84077	9.997	0.027	9.176	0.021		0.724	0.026	T	0.78	0.02	L	9.2331	0.0020	0.021	108		9.19	9.27					1 S							
84078	7.522	0.008	7.435	0.008		0.085	0.011	T	0.10	0.01	L	7.4581	0.0012	0.009	82		7.44	7.47		C			1							S
84079	9.318	0.015	8.926	0.016		0.398	0.015	G	0.46	0.02	H	8.9758	0.0023	0.019	121		8.94	9.02		C			1							
84080	10.496	0.040	10.030	0.045		0.439	0.055	T	0.51	0.06	L	10.0707	0.0028	0.021	84		10.03	10.10		C			1							G
84081	10.336	0.032	9.758	0.029		0.540	0.038	T	0.61	0.04	L	9.7946	0.0021	0.021	97		9.77	9.84					1							
84082	7.449	0.005	6.842	0.005		0.569	0.004	G	0.64	0.00	H	6.8961	0.0010	0.008	121		6.88	6.91					1							S
84083	10.532	0.043	8.924	0.019		1.347	0.037	T	1.31	0.04	L	8.9091	0.0020	0.014	68		8.89	8.93		C			1							
84084											T	12.6132	0.4034			B				D	17114−3825	I 2	1 C I B							
84085	9.169	0.020	8.770	0.021		0.390	0.024	T	0.46	0.03	L	8.8283	0.0025	0.018	77		8.80	8.86					1							
84086	7.503	0.008	7.454	0.008		0.044	0.010	T	0.06	0.01	L	7.4721	0.0011	0.011	85		7.45	7.49					1							S
84087	11.553	0.117	9.376	0.028	A						T	9.2824	0.0218	0.035	68	A	9.21	9.32		D	17114−3825	I 2	1 C P B							G
84088	10.780	0.047	10.325	0.049		0.429	0.062	T	0.50	0.07	L	10.3819	0.0020	0.020	100		10.34	10.41		C			1							G
84089	9.774	0.019	8.835	0.014		0.829	0.018	T	0.85	0.01	L	8.9386	0.0020	0.021	137		8.90	8.97					1							
84090	8.222	0.006	8.062	0.007	A	0.100	0.495	G	0.14	0.02	L *	8.0705	0.0010	0.014	209	*	8.04	8.09		D	17115−6839	I 1	2 C A	AB	215	2.376	0.025	3.58	0.11	S
84091	9.866	0.021	8.654	0.013		1.036	0.019	T	1.01	0.02	L	8.7008	0.0018	0.016	111		8.67	8.73		C			1							
84092	7.849	0.009	7.548	0.011	*	0.287	0.015	T	0.33	0.02	L *	7.5857	0.0015	0.010	80	*	7.57	7.60		C	17115−1630	I 1	2 C S B	BA	157	0.093	0.009	0.49	0.66	S
84093	10.663	0.047	9.418	0.026		1.062	0.042	T	1.03	0.03	L	9.4574	0.0025	0.025	102		9.40	9.50					1							
84094	9.804	0.026	8.370	0.015	*	1.210	0.024	T	1.17	0.02	L *	8.3701	0.0015	0.013	57	*	8.35	8.39			17115−0956	H 1	2 C B	AB	3	0.282	0.035	2.96	0.29	
84095	10.311	0.026	8.984	0.015		1.126	0.023	T	1.09	0.02	L	9.0242	0.0025	0.020	129		8.98	9.06		C			1							
84096	9.734	0.018	8.566	0.012		0.990	0.015	G	0.97	0.01	H	8.5988	0.0017	0.012	112		8.57	8.63					1							
84097	9.983	0.031	8.692	0.018		1.098	0.028	T	1.06	0.03	L	8.7057	0.0026	0.014	60		8.68	8.73		C			1							
84098	10.223	0.024	9.537	0.023		0.634	0.027	T	0.70	0.02	L	9.5431	0.0021	0.018	103		9.50	9.58		C			1							
84099											T	11.6733	0.0061	0.063	140		11.56	11.76					1 S							G
84100	9.003	0.014	8.456	0.013	*	0.494	0.024	G	0.57	0.03	H *	8.3815	0.0037	0.031	123	–	8.34	8.44		D	17116+3915	I 2	2 C P B	AB	13	0.409	0.004	0.15	0.03	S G

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)												Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr													%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
84101	17 11 35.53	−22 19 17.4	8.95	H	257.898 056 40	−22.321 491 97		3.02	−3.06	−9.78	1.39	0.70	1.53	1.38	0.74	+13	−54	−25	+ 7	− 9	+ 1	+ 3	+27	−16	− 8		0	−0.16
84102	17 11 36.08	+39 15 25.7	8.80	H	257.900 329 54	+39.257 126 93	C	6.13	−57.82	3.31	13.42	14.36	1.53	1.27	1.79	+ 4	+ 8	− 1	+14	+ 6	+ 1	+ 6	+20	− 4	+ 4		1	−3.79
84103	17 11 36.77	−26 42 08.8	7.63	G	257.903 207 84	−26.702 452 34	A	3.11	−12.75	−24.39	1.62	0.96	1.57	1.78	0.92	+ 2	−32	−25	+ 5	−14	+ 1	+ 3	+38	−23	− 5		2	0.09
84104	17 11 37.20	−37 51 11.6	7.76	H	257.905 019 47	−37.853 221 28		2.04	− 8.09	−11.95	0.97	0.62	1.04	1.06	0.68	−10	−30	−18	+26	−21	+ 2	− 9	+61	−20	−27		2	−1.50
84105	17 11 38.67	−48 52 24.2	5.94	2 H	257.911 145 25	−48.873 388 28		3.93	5.94	− 4.36	0.81	0.57	0.91	1.12	0.62	−22	−10	−17	− 5	+19	−21	+13	+ 1	− 7	− 9		0	−1.78
84106	17 11 39.85	+45 19 28.1	6.57	1 H	257.916 042 65	+45.324 464 86		2.52	3.32	− 7.47	0.51	0.53	0.57	0.64	0.61	+23	− 5	+ 6	−11	+ 3	− 6	+ 1	+ 1	+ 4	+38		1	1.85
*84107	17 11 40.26	+61 48 34.7	8.11	H	257.917 746 64	+61.809 642 77		6.31	− 8.06	38.23	0.60	0.62	0.66	0.61	0.77	+16	−28	−30	+ 1	−14	+17	−14	− 1	+10	+ 6		0	0.19
*84108	17 11 40.26	+49 44 46.7	6.12	H	257.917 731 33	+49.746 311 51	A	10.33	19.31	18.70	0.54	0.56	0.54	0.54	0.60	− 2	−25	− 1	+ 5	+ 2	− 4	+ 2	+13	+ 9	− 6		1	1.06
84109	17 11 40.79	+23 51 13.1	9.76	2 H	257.919 942 94	+23.853 625 58		1.40	−5.88	14.15	0.75	1.22	1.64	0.90	1.58	+20	−15	−39	−27	− 9	+ 3	− 5	+15	− 7	+ 6		1	2.60
84110	17 11 43.35	−04 38 26.2	7.72	H	257.930 626 68	−04.640 609 01		4.48	− 7.04	4.01	1.09	0.83	1.17	1.32	1.08	−39	−37	− 4	+55	−41	−19	−32	+71	−15	−46		0	0.17
84111	17 11 44.28	−58 48 54.0	7.25	H	257.934 479 25	−58.814 999 69		5.92	−12.87	−13.07	0.54	0.50	0.82	0.76	0.62	+ 1	−17	−14	−18	− 1	+22	− 1	− 2	+12	+ 6		0	0.65
84112	17 11 44.79	+40 15 03.1	9.11	H	257.936 628 85	+40.250 873 62		1.10	1.49	− 2.11	0.79	0.81	0.98	0.92	0.96	− 3	+ 1	− 4	−10	− 1	−26	− 1	+16	+ 4	− 9		0	1.61
84113	17 11 45.22	+07 53 41.0	6.34	G	257.938 416 99	+07.894 728 91		8.11	33.07	13.56	0.80	0.54	0.93	0.98	0.64	+30	−39	+ 2	+22	+23	+ 8	+22	+35	− 7	+46		0	0.46
84114	17 11 47.52	−26 26 21.6	10.52	2 G	257.947 994 04	−26.439 323 09	*	2.79	− 0.28	− 9.91	1.20	0.71	1.32	1.32	0.74	−12	−34	−17	+ 8	−23	+12	−10	+40	−20	−29		4	1.91
84115	17 11 48.01	+26 37 15.7	8.71	H	257.950 054 07	+26.621 031 14		5.04	32.29	10.99	0.58	0.87	1.13	0.68	1.11	+ 3	−21	−14	− 5	+ 0	−13	− 1	− 1	− 4	−11		0	1.53
84116	17 11 48.46	−03 20 54.5	8.16	G	257.951 922 46	−03.348 463 87		4.58	−23.78	− 9.66	0.96	0.71	1.00	1.13	0.84	−12	−22	+ 1	+35	+11	+12	+ 9	+50	+ 2	− 5		0	0.94
84117	17 11 49.87	−41 59 52.6	8.94	H	257.957 806 17	−41.997 955 31	A	7.62	−15.82	−33.55	2.29	1.38	2.28	2.37	1.32	+19	−38	−13	+26	+33	−21	+33	+57	−25	+22		0	0.24
84118	17 11 50.20	+41 43 48.4	6.75	H	257.959 169 82	+41.730 110 44		2.45	0.99	0.99	0.51	0.50	0.59	0.48	0.56	+ 9	−24	− 1	−15	− 5	+ 2	− 7	+ 8	+ 5	+13		1	0.76
84119	17 11 50.31	−31 44 51.5	8.99	H	257.959 633 03	−31.747 640 94		−0.30	8.54	− 2.26	1.35	0.79	1.36	1.69	0.87	+ 2	−11	− 1	+42	− 1	+ 0	+ 1	+63	−21	+ 9		0	−1.67
84120	17 11 50.90	+05 54 07.9	8.67	H	257.962 079 78	+05.902 205 42		3.85	−0.23	− 0.01	1.02	0.71	1.21	1.05	0.72	+34	−31	− 7	+44	+57	+ 1	+56	+26	− 6	+42		2	1.30
84121	17 11 51.29	−45 52 26.7	7.53	G	257.963 725 99	−45.874 095 82		28.34	−61.22	−102.19	0.90	0.61	0.98	0.95	0.69	−31	−40	− 4	+ 9	−18	+14	− 6	+34	−22	−42		0	−1.02
84122	17 11 51.76	−00 59 03.2	8.08	H	257.965 654 43	−00.984 214 88		15.70	81.46	48.40	1.08	0.92	1.20	1.28	1.14	−45	−32	+10	+43	−40	− 7	−31	+63	−11	−52		0	1.19
84123	17 11 52.57	−01 51 03.5	11.45	G	257.969 060 84	−01.850 971 91		92.58	−534.66	−326.41	19.30	11.71	5.11	23.45	13.16	+96	−35	−23	+65	+58	−27	+56	+51	−20	+94		19	2.76
*84124	17 11 53.66	−36 02 50.8	9.97	H	257.973 600 41	−36.047 436 36		3.39	3.26	− 1.37	1.54	0.81	1.66	1.63	0.87	+ 4	−47	− 6	+ 1	− 5	+ 0	+ 6	+40	−17	− 5		0	1.60
*84125	17 11 53.59	+10 57 34.6	9.46	H	257.973 290 81	+10.959 599 30		5.03	−13.27	−30.08	1.32	0.98	1.53	1.27	1.18	+22	−51	− 9	+43	+37	−12	+45	+45	−29	+30		2	−0.30
84126	17 11 54.19	−30 25 58.4	8.92	H	257.975 792 37	−30.432 886 09		5.26	−23.43	− 4.80	1.39	0.68	1.64	1.80	0.77	− 1	−35	+ 4	− 3	− 8	−38	+11	+48	−19	−10		0	0.91
84127	17 11 54.53	−73 52 43.7	8.24	H	257.977 193 19	−73.878 813 87		2.07	− 4.28	−18.35	0.50	0.69	0.83	0.55	0.86	+21	− 8	+ 5	−20	−18	− 7	−18	−17	−10	+26		0	0.53
84128	17 11 54.67	−46 11 39.9	8.15	H	257.977 784 09	−46.194 416 34		10.09	−41.13	−136.89	1.04	0.76	1.18	1.11	0.89	−34	−37	−17	+27	−40	+14	−18	+53	−36	−52		0	−1.44
84129	17 11 54.72	+57 58 02.9	7.14	H	257.977 990 25	+57.967 473 39		14.65	−31.67	56.43	0.55	0.53	0.57	0.64	0.67	+ 5	+ 0	−11	+18	− 1	+12	+ 1	+ 3	+ 6	+ 6		0	−1.02
84130	17 11 55.77	+63 07 36.1	7.98	H	257.982 383 92	+63.126 695 81		3.61	− 7.03	10.77	0.58	0.58	0.62	0.62	0.75	+ 0	−17	−16	− 3	+ 4	− 3	+ 3	− 7	+ 7	+12		1	0.99
84131	17 11 56.68	−29 28 27.8	9.29	H	257.986 186 31	−29.474 381 36		11.12	−71.74	−93.98	1.48	0.88	1.57	1.79	1.00	−21	−34	+ 3	+19	−24	− 9	− 9	+68	−14	−35		0	0.23
84132	17 11 58.65	−14 37 13.0	7.25	H	257.994 354 63	−14.620 282 23		11.94	−15.54	−40.50	0.93	0.55	1.06	0.89	0.57	− 6	−49	−17	+17	−24	+10	− 4	+52	−22	−32		0	0.92
84133	17 11 59.39	+14 29 15.9	7.21	H	257.997 474 84	+14.487 747 85		4.29	−17.88	− 2.43	0.72	0.60	0.91	0.68	0.64	+25	−29	−18	+28	+33	+ 5	+40	+28	−21	+25		0	0.30
84134	17 11 59.71	−33 36 36.0	8.85	H	257.998 806 10	−33.610 002 57	A	2.64	4.05	− 4.15	5.29	2.70	1.59	1.75	1.18	−58	− 4	− 7	+ 6	−21	− 2	−15	+40	−30	−45		1	0.48
84135	17 12 03.67	−21 47 27.4	8.53	H	258.015 296 22	−21.790 935 69		9.48	−88.72	−81.58	1.18	0.60	1.30	1.38	0.64	+ 8	−43	−14	+14	+ 5	+ 8	+10	+21	−13	+10		0	1.00
84136	17 12 05.76	+75 11 18.4	9.10	H	258.024 009 80	+75.188 452 17		5.96	14.20	− 6.83	0.73	0.70	0.75	0.71	0.83	+ 6	−21	+ 1	−31	− 4	− 1	− 2	+ 8	−10	+ 7		2	2.03
84137	17 12 06.06	+21 13 44.4	7.26	1 G	258.025 240 02	+21.228 994 59	A	6.26	21.83	1.62	0.95	1.05	1.33	1.04	1.10	+15	−17	− 4	+15	+20	− 3	+16	+ 5	− 6	− 4		1	0.35
84138	17 12 06.59	+25 14 56.2	8.50	G	258.027 446 80	+25.248 953 57	A	13.34	− 6.58	78.84	0.79	1.08	1.41	0.90	1.20	+ 3	−15	−25	+ 2	+11	−16	+ 7	− 3	+ 7	+ 2		2	0.23
84139	17 12 07.21	+29 31 38.5	8.58	G	258.030 057 89	+29.527 351 72		4.29	− 0.09	10.25	0.68	0.83	1.05	0.81	0.96	+ 8	−17	−12	+ 0	+ 7	−10	+ 5	− 3	+ 7	+17		0	0.79
84140	17 12 07.62	+45 40 11.4	9.31	H	258.031 746 36	+45.669 842 47	A	158.17	325.96	−1591.73	5.13	6.09	3.26	6.83	5.12	−26	+16	−15	+40	−14	+23	+11	−22	+22	+25		36	1.68
84141	17 12 08.67	−35 45 30.2	9.06	H	258.036 105 88	−35.758 383 23		−1.54	1.96	− 2.45	1.28	0.74	1.36	1.45	0.80	+ 5	−43	−15	+18	+ 2	+ 8	+ 9	+52	−16	− 4		0	−0.33
84142	17 12 09.04	−30 46 22.1	8.66	H	258.037 653 47	−30.772 817 08		−0.29	0.18	− 8.70	1.22	0.59	1.47	1.36	0.65	− 7	−38	− 1	+ 8	− 9	−24	+ 5	+43	−33	+ 1		0	−0.39
84143	17 12 09.18	−43 14 18.6	3.32	G	258.038 233 00	−43.238 490 39		45.56	22.01	−287.41	0.71	0.45	0.79	0.77	0.49	−17	−34	−12	+27	− 4	+ 9	+ 3	+46	−20	−25		0	0.43
84144	17 12 10.97	−27 02 31.7	6.75	G	258.045 702 54	−27.042 151 68	A	7.04	−51.40	−85.28	0.96	0.61	0.95	0.97	0.56	− 2	−21	−16	+10	+ 0	− 6	+ 5	+38	−17	− 5		1	−1.04
84145	17 12 11.33	−72 16 26.7	7.95	H	258.047 210 80	−72.274 076 44		0.75	−12.96	− 8.82	0.49	0.73	0.92	0.53	0.85	+25	+ 2	+ 6	−13	−20	−17	−21	−30	+ 1	+22		0	0.55
84146	17 12 13.14	+20 07 45.3	8.60	H	258.054 762 35	+20.129 247 82		7.53	6.76	− 8.21	0.60	0.76	1.06	0.90	0.96	−33	+ 6	−17	+ 7	+26	− 1	+14	+27	− 5	+21		1	−0.20
84147	17 12 13.62	−25 15 18.1	6.52	H	258.056 763 54	−25.255 031 46		8.81	−11.74	−50.63	0.82	0.50	0.94	1.01	0.54	−16	−13	− 3	−10	−25	−30	−16	+32	−16	−25		0	0.08
84148	17 12 14.64	−53 22 33.9	7.30	2 H	258.060 990 06	−53.376 088 45		3.35	− 4.21	−10.46	0.92	0.71	1.10	1.11	0.72	−12	−27	−23	− 3	+32	−23	+24	− 3	− 3	− 8		0	−0.19
84149	17 12 15.33	−17 14 47.3	7.56	H	258.063 863 88	−17.246 476 08		8.47	− 4.30	−23.87	1.06	0.65	1.18	1.08	0.71	−14	−49	−24	+23	−39	+13	−17	+55	−26	−37		0	−0.05
84150	17 12 16.22	−39 30 24.4	5.66	H	258.067 564 46	−39.506 774 84		15.46	−13.81	−71.78	0.68	0.53	0.72	0.78	0.57	−34	−16	−11	+30	−33	+13	−28	+64	−18	−37		0	−0.53
84151	17 12 16.55	−38 49 20.7	6.30	H	258.068 967 79	−38.822 419 17		8.82	17.46	−47.61	0.77	0.53	0.82	0.84	0.56	−22	−28	−17	+30	−21	+ 9	−15	+64	−12	−34		0	1.11
84152	17 12 17.71	−43 29 40.1	8.55	H	258.073 786 90	−43.494 460 77		11.34	18.45	−122.67	1.06	0.61	1.17	1.17	0.67	+ 1	−34	− 8	+21	+11	+10	+17	+36	−20	− 7		0	0.28
84153	17 12 17.80	+24 42 58.5	9.23	H	258.074 177 18	+24.716 240 28		3.74	−11.53	− 9.90	0.57	0.96	1.35	0.64	1.05	+ 8	−22	−32	+16	+ 6	−17	+ 2	−16	− 3	+ 3		1	−0.15
84154	17 12 19.46	−20 59 28.3	9.58	H	258.081 076 88	−20.991 187 11		5.85	−77.71	−28.12	1.46	0.81	1.61	1.69	0.87	+ 5	−38	−21	− 8	−11	− 1	− 1	+21	−12	−18		0	−0.12
84155	17 12 19.65	−76 06 12.9	9.13	H	258.081 870 24	−76.103 575 50		2.70	− 5.18	−11.29	0.77	0.92	1.22	0.91	1.07	+ 8	+ 3	− 7	− 7	−18	−25	−22	−12	− 9	− 7		1	−0.09
84156	17 12 19.69	+35 22 56.1	9.05	H	258.082 047 78	+35.382 258 24		3.03	1.57	− 4.81	0.80	0.90	1.04	1.10	1.13	+16	− 7	−12	+10	+13	+ 0	+13	+29	− 9	+16		0	−1.39
*84157	17 12 19.94	−55 23 21.5	9.06	H	258.083 090 32	−55.389 297 36	A	3.59	− 1.77	−32.57	1.95	1.59	2.08	2.05	1.56	− 8	−28	− 8	+ 1	− 6	+ 4	− 3	+13	− 3	−32		2	2.12
*84158	17 12 19.85	−70 43 15.2	6.21	H	258.082 698 33	−70.720 892 38		14.30	49.04	−78.16	0.33	0.51	0.70	0.34	0.59	+13	−13	− 9	− 4	−13	−15	−16	−27	−13	+ 8		0	−0.67
84159	17 12 20.14	+45 19 59.9	9.20	H	258.083 923 79	+45.333 306 99		11.71	−71.74	158.57	0.87	0.83	0.96	1.12	0.99	+ 6	− 9	+ 7	−11	− 7	− 4	− 7	+ 9	− 4	+12		0	0.54
84160	17 12 20.36	−25 39 13.8	8.79	H	258.084 839 02	−25.653 835 75		6.29	29.72	−14.61	1.19	0.68	1.32	1.38	0.72	−16	−22	− 6	− 7	−12	−17	− 5	+27	−12	−27		0	0.05
84161	17 12 20.43	−11 36 40.9	9.77	H	258.085 112 11	−11.611 351 93		10.21	−25.64	−30.67	1.29	0.84	1.42	1.42	0.93	− 1	−28	−10	+17	−22	− 1	− 7	+54	−14	−30		0	1.36
84162	17 12 20.74	−34 22 10.5	8.35	H	258.086 418 05	−34.369 571 01		1.72	2.80	− 1.74	1.00	0.64	1.17	1.19	0.68	−25	−30	−12	+17	−21	+14	−15	+54	−19	−35		0	1.48
84163	17 12 21.91	+02 07 26.4	8.79	H	258.091 274 64	+02.123 998 89		12.46	40.18	−25.61	1.24	1.06	1.25	1.57	1.37	−15	− 7	−10	+63	−20	+19	−17	+69	− 6	−27		0	−0.04
84164	17 12 21.95	−46 33 40.0	9.19	G	258.091 450 19	−46.561 120 60		17.74	−60.63	−685.72	1.30	0.93	1.51	1.59	1.12	−27	−20	− 3	+ 9	−25	+ 4	−13	+35	−34	−35		3	0.58
84165	17 12 22.46	+04 06 00.6	9.31	H	258.093 584 79	+04.100 179 25		3.05	− 9.57	10.20	1.15	0.89	1.36	1.32	1.05	−21	−27	+ 3	− 1	+44	− 9	+45	+18	−11	−22		2	2.11
84166	17 12 22.54	−00 46 25.5	7.80	G	258.093 922 41	−00.773 748 05		10.24	11.21	−57.63	0.99	0.87	1.12	1.29	1.14	−43	− 5	−24	+44	−41	+12	−32	+69	−31	−57		0	−0.39
84167	17 12 22.85	+13 15 03.5	8.57	H	258.095 220 08	+13.250 984 75		8.21	−34.92	56.59	0.86	0.69	1.04	0.83	0.74	+17	−31	+ 5	+34	+39	+ 8	+44	+24	−12	+35		2	1.19
84168	17 12 22.86	+57 13 24.4	8.30	H	258.095 264 99	+57.223 449 13		2.39	8.06	− 9.30	0.59	0.60	0.65	0.66	0.72	+11	+ 0	− 9	+11	− 4	+21	+ 0	− 7	+20	+24		2	−2.83
84169	17 12 22.92	+43 44 12.5	7.23	H	258.095 480 04	+43.736 816 12		18.28	31.28	179.22	0.52	0.51	0.59	0.55	0.57	+ 9	−17	− 8	−13	+ 6	− 8	+ 5	+ 5	+ 5	+ 7		0	−0.30
*84170	17 12 23.21	+07 14 32.4	9.04	H	258.096 704 80	+07.242 346 42		1.93	−4.78	− 1.97	1.33	0.89	1.45	1.51	0.97	+42	−21	+18	+55	+57	+15	+56	+37	− 3	+52		0	0.07
*84171	17 12 23.21	+63 21 06.1	8.07	H	258.096 689 30	+63.351 702 27		28.27	−2.00	160.96	0.59	0.59	0.62	0.60	0.79	+ 3	−14	−11	− 1	+ 0	− 3	− 2	+ 9	+ 0	+ 7		0	−0.66
84172	17 12 23.46	−22 55 30.8	7.86	H	258.097 741 88	−22.925 219 08		4.72	−1.24	−5.26	0.96	0.59	1.04	1.12	0.63	+ 8	−29	−26	+ 9	−28	− 3	−17	+30	−21	−16		0	0.61
84173	17 12 24.00	+07 59 01.1	9.44	H	258.100 013 25	+07.983 645 28		1.74	−1.38	− 5.34	1.26	0.88	1.42	1.72	1.11	+26	−32	−10	+19	+ 9	+ 5	+15	+22	−18	+ 8		0	−0.72
*84174	17 12 25.13	−64 59 39.0	8.81	H	258.104 694 01	−64.994 172 80	A	7.67	−45.25	4.67	1.15	1.10	1.69	1.19	1.09	+25	−17	+ 0	− 3	−32	+ 2	−27	+24	+ 4	+ 9		1	0.45
*84175	17 12 25.07	−27 45 43.2	6.12	H	258.104 446 71	−27.762 006 34		5.97	− 8.01	−48.38	0.73	0.42	0.81	0.70	0.44	−13	−36	−16	+ 5	−26	+ 1	− 9	+44	−21	−41		2	1.32
84176	17 12 25.29	−66 36 34.5	7.59	1 H	258.105 354 27	−66.609 581 26		2.39	− 3.67	−18.67	0.63	0.59	0.94	0.78	0.73	+ 8	−20	− 3	+ 8	−25	+ 7	−26	+18	+23	+ 0		0	−0.75
84177	17 12 27.81	+10 35 06.8	5.32	1 H	258.115 857 28	+10.585 228 97		4.20	6.06	−25.22	0.75	0.53	0.79	0.76	0.58	+36	−35	−19	+57	+36	+ 0	+43	+52	−28	+34		0	0.02
84178	17 12 28.69	−21 08 34.3	9.81	H	258.119 536 16	−21.142 866 35	A	6.30	19.06	−37.92	3.00	1.74	2.95	3.40	1.79	+16	−30	−17	−13	−20	− 6	−10	+22	−18	+ 8		0	0.84
84179	17 12 29.88	+69 18 17.2	8.43	H	258.124 493 43	+69.304 782 02	+	17.22	12.09	−151.18	2.44	3.65	1.17	0.94	1.13	− 2	−17	−71	−13	+52	−43	+34	+50	−43	+29		0	0.50
84180	17 12 30.20	−80 05 55.0	8.92	H	258.125 837 81	−80.098 608 91		5.94	−52.89	−90.47	0.64	0.82	0.94	0.66	1.01	+ 3	−23	+15	+ 6	+13	+ 5	+18	+ 8	−19	+ 8		0	0.85
84181	17 12 31.27	−25 13 37.3	8.29	H	258.130 285 81	−25.227 031 70		11.60	− 6.93	−52.51	1.12	0.65	1.33	1.40	0.70	− 5	−10	− 1	− 7	−21	−38	−11	+34	−11	−21		2	2.01
84182	17 12 31.38	−10 16 41.2	7.57	H	258.130 766 24	−10.278 108 99		23.59	100.39	− 2.41	0.83	0.60	0.93	1.04	0.68	−16	−33	−15	+28	−34	+ 5	−21	+63	−11	−41		0	0.39
84183	17 12 32.56	+62 52 27.2	5.54	H	258.135 664 10	+62.874 220 62		24.01	15.91	48.03	0.45	0.45	0.47	0.46	0.57	+ 6	−21	−17	− 9	−10	+ 4	−12	− 5	+ 2	+ 6		0	0.01
84184	17 12 32.83	−01 00 41.1	8.98	H	258.136 773 22	−01.011 403 61		3.42	− 7.51	0.36	1.25	0.97	1.38	1.73	1.28	−22	− 6	− 1	+47	−23	+ 4	−18	+64	−18	−37		0	0.34
84185	17 12 32.89	−70 05 08.5	9.33	H	258.137 056 88	−70.085 700 08		−0.94	3.34	− 5.21	0.92	1.36	1.96	0.91	1.68	+ 9	− 9	− 1	−23	− 7	− 2	− 9	−15	+ 2	+13		0	
84186	17 12 33.04	−25 15 54.8	8.99	H	258.137 648 69	−25.265 214 35	A	5.73	11.48	6.17	2.34	1.45	2.42	2.57	1.41	− 9	−11	− 8	− 7	−18	−33	−11	+38	−21	−12		1	−0.57
84187	17 12 33.30	+20 48 01.5	9.36	H	258.138 761 92	+20.800 426 72		14.00	−259.63	−184.23	0.78	0.91	1.33	0.99	1.22	+ 0	−29	−13	+19	+22	− 2	+20	+ 5	+ 0	−15		0	2.01
84188	17 12 34.30	−63 41 07.3	6.92	H	258.142 907 81	−63.685 366 42		3.65	−13.54	−13.59	0.47	0.44	0.75	0.52	0.46	+11	−28	−27	+ 6	−38	+16	−31	+23	− 1	−16		0	−0.49
84189	17 12 34.35	+15 23 31.0	9.11	G	258.143 129 88	+15.391 948 52		2.84	−3.66	0.63	0.70	0.72	1.20	0.83	0.79	−10	−27	− 1	+ 0	+22	+24	+18	+24	− 7	+21		0	−1.06
84190	17 12 35.04	−15 09 48.7	7.94	H	258.145 991 54	−15.163 531 94		7.02	−15.86	−15.25	1.00	0.65	1.08	1.19	0.72	− 6	−36	−19	+29	−16	+13	− 6	+50	−18	− 6		0	−1.22
84191	17 12 35.75	+47 31 19.5	10.07	2 H	258.148 961 25	+47.522 088 91		−1.45	− 3.01	1.08	1.00	1.03	1.16	1.21	1.17	+11	− 8	−24	+ 3	+23	−21	+16	+ 9	+19	+14		1	0.35
84192	17 12 36.46	−27 01 09.4	8.53	2 H	258.151 923 80	−27.019 268 10		4.53	−5.53	− 3.37	1.25	0.69	1.33	1.32	0.73	− 8	−43	−17	+26	−12	− 3	− 3	+50	−15	−29		0	−0.08
84193	17 12 36.69	+11 35 45.4	7.70	H	258.152 883 37	+11.595 935 82		2.10	−5.72	−15.25	0.94	0.65	0.97	0.96	0.74	+42	−30	+ 2	+55	+51	− 7	+56	+43	−19	+55		2	1.59
84194	17 12 37.03	−17 59 13.4	9.48	H	258.154 309 51	−17.987 044 82		5.64	−10.16	− 7.55	1.59	0.94	1.74	2.57	1.11	− 5	− 9	+ 0	+11	−33	− 5	−21	+28	−33	+15		3	2.40
84195	17 12 37.56	+18 21 05.3	7.95	H	258.156 499 95	+18.351 478 80		48.69	101.78	−117.55	0.78	0.67	1.03	0.76	0.74	+ 6	−30	−21	−34	+13	− 2	+ 9	− 6	+14	+30		2	0.59
*84196	17 12 39.30	+37 12 53.3	8.25	H	258.163 764 41	+37.214 806 65		8.82	−22.95	−45.07	0.59	0.62	0.74	0.64	0.75	+11	− 6	+ 5	+ 5	+ 7	− 7	+ 8	+28	− 1	+ 9		1	1.14
*84197	17 12 39.30	−56 24 09.2	8.68

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
84101	10.488	0.047	9.158	0.025		1.129	0.042	T	1.09	0.04	L	9.1155	0.0024	0.018	65		9.09	9.15		C			1 S							
84102	11.086	0.063	10.585	0.066	C						T	8.9337	0.0641	0.470	114	–	8.44	9.79		D	17116+3915	I 2	1 C F B							G
84103	8.747	0.011	7.820	0.009	*	0.775	0.002	G	0.81	0.00	H *	7.7666	0.0017	0.010	91	*	7.75	7.79		D	17116−2643	I 1	2 C A	AB	169	0.921	0.003	1.11	0.02	S
84104	10.042	0.033	7.959	0.012		1.724	0.028	T	1.75	0.03	L	7.8574	0.0012	0.011	75		7.84	7.87					1							
84105	8.282	0.019	6.170	0.012		1.786	0.019	T	2.66	0.04	O	5.9250	0.0028	0.038	68		5.87	5.99		U 2			1 S							S
84106	8.677	0.011	6.764	0.005		1.588	0.010	T	1.61	0.01	L	6.6908	0.0018	0.015	102		6.67	6.71		U 2			1							S
84107	8.480	0.010	8.143	0.010		0.320	0.013	T	0.37	0.02	L	8.1861	0.0012	0.013	124		8.16	8.22		C			1							S
84108	6.314	0.003	6.121	0.004	*	0.185	0.005	T	0.20	0.01	L *	6.1839	0.0008	0.007	115	*	6.17	6.19		D	17117+4945	I 1	2 C A	AB	112	4.990	0.017	3.56	0.08	S
84109	10.181	0.021	9.800	0.022		0.361	0.028	T	0.42	0.03	L	9.8397	0.0036	0.038	201		9.77	9.90		U			1							
84110	8.280	0.012	7.793	0.012		0.458	0.015	T	0.53	0.02	L	7.8260	0.0010	0.010	80		7.81	7.85			17117−0438	I 1	1							S
84111	7.276	0.004	7.243	0.006		0.035	0.007	T	0.05	0.01	L	7.2652	0.0010	0.009	133		7.25	7.28		C			1							S
84112	10.329	0.029	9.227	0.019		0.951	0.027	T	0.94	0.02	L	9.2740	0.0021	0.022	115		9.24	9.31					1							
84113	7.665	0.007	6.453	0.005		1.040	0.002	G	1.01	0.00	H	6.4929	0.0007	0.006	85		6.48	6.51					1							S
84114	12.080	0.172	9.790	0.035	*	0.478	0.015	G	2.74	0.24	S *	9.4445	0.0082	0.075	90	*	9.30	9.56		R 2	17118−2626	H 1	2 C S A	AB	4	0.163	0.006	0.16	0.26	G P
84115	9.886	0.016	8.816	0.011		0.927	0.015	T	0.92	0.01	L	8.8727	0.0015	0.019	168		8.84	8.91					1							
84116	8.978	0.014	8.259	0.012		0.661	0.015	T	0.72	0.01	L	8.3004	0.0013	0.013	80		8.28	8.32		C			1							S
84117	9.446	0.020	8.962	0.020	A	0.468	0.022	T	0.54	0.02	L	9.0422	0.0086	0.015	81	A	9.01	9.08			17118−4200	I 1	2 C B	AB	30	10.643	0.039	2.95	0.13	
84118	8.500	0.010	6.895	0.006		1.345	0.009	T	1.31	0.01	L	6.9008	0.0011	0.008	125		6.89	6.92					1							S
84119	10.900	0.061	9.172	0.024		1.442	0.052	T	1.44	0.08	L	9.1315	0.0022	0.016	82		9.10	9.16		C			1							
84120	9.110	0.015	8.712	0.015		0.377	0.020	T	0.44	0.02	L	8.7605	0.0020	0.015	106		8.73	8.79		C			1							
84121	8.303	0.012	7.583	0.010		0.637	0.015	G	0.70	0.01	H	7.6610	0.0014	0.009	68		7.64	7.68		C			1							S
84122	8.657	0.014	8.101	0.013		0.526	0.014	T	0.60	0.01	L	8.1915	0.0020	0.014	65		8.17	8.22		C			1							S
84123						1.600	0.015	G	2.60	0.04	I	11.3934	0.0074	0.056	75		11.32	11.49		D	17119−0151	I 1	1 S							G
84124	10.618	0.044	10.015	0.040		0.562	0.052	T	0.64	0.05	L	10.0909	0.0035	0.026	88		10.06	10.13					1							G
84125	10.032	0.028	9.568	0.029		0.437	0.037	T	0.51	0.04	L	9.5616	0.0023	0.019	80		9.53	9.60		C			1							
84126	9.571	0.019	9.028	0.018		0.516	0.020	T	0.59	0.02	L	9.0318	0.0025	0.019	97		9.00	9.06					1 S							
84127	8.400	0.007	8.268	0.008		0.120	0.010	T	0.13	0.01	L	8.2841	0.0012	0.017	186		8.26	8.31					1							
84128	8.827	0.016	8.208	0.015		0.573	0.016	T	0.65	0.01	L	8.2777	0.0020	0.011	68		8.26	8.30		C			1							
84129	7.679	0.006	7.186	0.007		0.464	0.008	T	0.53	0.01	L	7.2428	0.0014	0.011	94		7.23	7.26					1							S
84130	8.071	0.013	7.993	0.014		0.077	0.018	T	0.09	0.02	L	8.0076	0.0012	0.009	108		7.99	8.02					1							S
84131	10.024	0.027	9.342	0.024		0.619	0.027	T	0.69	0.02	L	9.4195	0.0018	0.020	89		9.38	9.45		C			1							
84132	8.106	0.011	7.339	0.009		0.699	0.011	T	0.76	0.01	L	7.3915	0.0011	0.008	79		7.38	7.40		C			1							S
84133	9.228	0.016	7.389	0.008		1.530	0.014	T	1.57	0.03	L	7.3343	0.0012	0.010	96		7.31	7.35		C			1							S
84134	8.883	0.019	8.868	0.026	*	0.019	0.030	T	0.04	0.03	L *	8.8673	0.0018	0.014	92	*	8.84	8.90		D	17120−3337	I 1	2 C A	AB	114	0.304	0.008	0.67	0.12	
84135	9.353	0.020	8.614	0.017		0.677	0.021	T	0.74	0.02	L	8.6697	0.0010	0.010	75		8.64	8.69					1							
84136	9.487	0.015	9.090	0.016		0.376	0.020	T	0.44	0.02	L	9.1911	0.0014	0.013	107		9.17	9.22					1							
84137	8.778	0.010	7.342	0.006	*	1.241	0.015	G	1.20	0.01	H *	7.4102	0.0015	0.015	180	*	7.39	7.45		U 2	17121+2113	I 1	2 C A	AB	191	8.276	0.005	1.59	0.02	S
84138	9.143	0.011	8.575	0.011	*	0.530	0.015	G	0.60	0.02	H *	8.5886	0.0015	0.018	190	*	8.56	8.62		D	17121+2515	I 1	2 C A	AB	337	0.897	0.015	2.82	0.06	
84139	9.786	0.018	8.674	0.012		0.970	0.015	G	0.95	0.01	H	8.7585	0.0018	0.021	127		8.72	8.80					1							
84140	11.196	0.074	9.567	0.028	*	1.485	0.028	G	1.98	0.16	I *	9.3754	0.0022	0.019	107	*	9.34	9.41		D	17121+4540	I 1	2 C C	AB	331	0.382	0.011	0.23	0.17	
84141	11.783	0.109	9.327	0.022		2.070	0.092	T	2.55	0.08	S	9.0747	0.0050	0.029	82		9.02	9.11		R			1 S							
84142	10.815	0.050	8.891	0.017		1.597	0.042	T	1.62	0.04	L	8.7735	0.0017	0.014	89		8.75	8.80					1							
84143	3.821	0.003	3.368	0.003		0.441	0.003	T	0.47	0.02	A	3.4149	0.0004	0.004	83		3.41	3.42		C			1							S
84144	8.088	0.011	6.872	0.008	A	0.998	0.142	G	1.02	0.03	L *	6.8886	0.0014	0.009	99	*	6.87	6.90		D	17122−2703	I 1	2 C A	AB	65	1.765	0.010	2.69	0.03	S
84145	9.985	0.016	8.114	0.007		1.555	0.014	T	1.57	0.01	L	8.0698	0.0015	0.016	200		8.04	8.10					1							
84146	8.979	0.010	8.642	0.010		0.345	0.015	G	0.40	0.02	H	8.6822	0.0017	0.017	176		8.65	8.71		C			1							
84147	6.470	0.006	6.508	0.006		−0.037	0.003	G	−0.01	0.00	H	6.5141	0.0010	0.006	78		6.51	6.52		C			1							S
84148	9.334	0.021	7.543	0.010		1.599	0.020	G	2.72	0.02	A	7.2822	0.0042	0.034	68		7.25	7.35		U 2			1 S							S
84149	7.633	0.008	7.574	0.010		0.053	0.011	T	0.07	0.01	L	7.5878	0.0010	0.010	68		7.58	7.61		C			1							S
84150	5.719	0.003	5.673	0.004		0.042	0.004	T	0.06	0.00	L	5.6855	0.0007	0.004	86		5.68	5.70					1							S
84151	7.651	0.008	6.409	0.004		1.050	0.000	G	1.02	0.00	H	6.4636	0.0008	0.005	84		6.45	6.48					1							S
84152	9.438	0.031	8.615	0.025		0.726	0.030	T	0.78	0.02	L	8.6849	0.0019	0.015	84		8.67	8.71					1							
84153	9.679	0.013	9.243	0.014		0.412	0.018	T	0.48	0.02	L	9.3188	0.0019	0.025	237		9.27	9.37		C			1							
84154	10.366	0.040	9.646	0.034		0.648	0.040	T	0.71	0.04	L	9.7131	0.0023	0.024	77		9.69	9.75		C			1							G
84155	10.332	0.027	9.218	0.017		0.960	0.025	T	0.95	0.02	L	9.2970	0.0028	0.029	159		9.25	9.35					1							
84156	10.390	0.030	9.150	0.018		1.058	0.027	T	1.02	0.02	L	9.2205	0.0018	0.019	114		9.18	9.26		C			1							
84157	9.578	0.023	9.115	0.023	A	0.450	0.026	T	0.52	0.03	L	9.1591	0.0136	0.027	77	A	9.13	9.20			17123−5523	I 1	2 C B	AB	126	13.419	0.072	3.19	0.26	
84158	7.590	0.004	6.333	0.003		1.062	0.004	G	1.03	0.00	H	6.3775	0.0006	0.008	235		6.37	6.39					1							S
84159	9.911	0.029	9.261	0.025		0.604	0.033	T	0.67	0.03	L	9.3302	0.0026	0.023	100		9.29	9.37		C			1							
84160	9.817	0.028	8.929	0.021		0.791	0.026	T	0.82	0.02	L	8.9395	0.0023	0.017	75		8.91	8.97		C			1							
84161	10.421	0.038	9.854	0.039		0.534	0.040	T	0.61	0.04	L	9.8788	0.0032	0.021	64		9.85	9.91		C			1							G
84162	8.441	0.012	8.374	0.015		0.096	0.005	G	0.11	0.01	H	8.3934	0.0012	0.015	92		8.37	8.42					1 G							
84163	9.379	0.019	8.825	0.017		0.519	0.023	T	0.59	0.02	L	8.9002	0.0024	0.017	65		8.87	8.93		C			1							
84164	10.302	0.041	9.355	0.030		0.851	0.005	G	0.89	0.01	H	9.3290	0.0030	0.022	64		9.29	9.37					1							
84165	11.570	0.078	9.568	0.022		1.696	0.067	T	1.87	0.25	K	9.4015	0.0022	0.025	110		9.37	9.45		C			1							
84166	8.308	0.011	7.851	0.013		0.465	0.015	G	0.54	0.02	H	7.8965	0.0012	0.013	68		7.87	7.91		C			1							S
84167	9.136	0.015	8.601	0.015		0.502	0.019	T	0.57	0.02	L	8.6785	0.0024	0.017	96		8.65	8.72					1							
84168	8.229	0.008	8.282	0.011		−0.044	0.012	T	−0.02	0.01	L	8.2893	0.0016	0.014	108		8.27	8.32					1							S
84169	8.054	0.009	7.306	0.006		0.684	0.009	T	0.74	0.01	L	7.3728	0.0010	0.010	126		7.36	7.39					1							S
84170	10.541	0.038	9.145	0.020		1.180	0.034	T	1.14	0.03	L	9.2055	0.0017	0.014	90		9.18	9.24					1							
84171	9.077	0.014	8.156	0.011		0.801	0.014	T	0.83	0.01	L	8.2107	0.0014	0.010	104		8.19	8.23		C			1							S
84172	8.275	0.014	7.890	0.011		0.376	0.015	T	0.44	0.02	L	7.9457	0.0014	0.011	70		7.93	7.97					1							S
84173	10.851	0.051	9.546	0.026		1.109	0.045	T	1.07	0.05	L	9.6087	0.0024	0.023	79		9.58	9.66					1							
84174	9.373	0.013	8.859	0.012	A	0.493	0.014	T	0.57	0.01	L	8.9205	0.0114	0.021	163	A	8.88	8.96		C	17124−6500	I 1	2 C D	AB	21	15.944	0.091	3.83	0.37	D
84175	6.050	0.004	6.106	0.004		−0.048	0.005	T	−0.03	0.01	L	6.1095	0.0006	0.006	97		6.10	6.12					1							S
84176	9.679	0.016	7.782	0.007		1.576	0.014	T	1.59	0.01	L	7.7062	0.0018	0.015	136		7.68	7.73		M			1							
84177	7.392	0.010	5.514	0.005		1.593	0.009	T	1.98	0.03	O	5.4015	0.0024	0.019	69		5.38	5.43		U 2	17125+1035	I 1	1							S
84178	10.671	0.053	9.902	0.043	A	0.685	0.052	T	0.74	0.04	L	9.9509	0.0169	0.020	79	A	9.92	9.99			17125−2109	I 1	2 C C	AB	67	11.503	0.086	3.12	0.31	G
84179	9.263	0.016	8.483	0.013		0.670	0.015	G	0.73	0.01	H	8.5659	0.0014	0.013	93		8.54	8.58		C			1 O							
84180	9.616	0.015	8.973	0.013		0.590	0.015	T	0.66	0.01	L	9.0428	0.0020	0.021	150		9.01	9.09					1							
84181	8.996	0.016	8.376	0.014		0.588	0.015	G	0.66	0.01	H	8.4180	0.0023	0.012	82		8.40	8.44					1							
84182	8.137	0.010	7.614	0.010		0.491	0.013	T	0.56	0.01	L	7.6742	0.0012	0.010	74		7.66	7.69		C			1							S
84183	5.798	0.003	5.572	0.004		0.216	0.005	T	0.24	0.01	L	5.6078	0.0007	0.006	109		5.60	5.62					1							S
84184	9.252	0.019	9.030	0.022		0.212	0.027	T	0.23	0.03	L	9.0513	0.0031	0.015	65		9.02	9.08		C			1							
84185	9.157	0.008	9.305	0.012		−0.089	0.001	G	−0.07	0.00	H	9.3030	0.0022	0.029	261		9.25	9.36					1 X							
84186	9.498	0.021	9.090	0.022	*	0.399	0.025	T	0.46	0.03	L *	9.0810	0.0021	0.020	84	*	9.04	9.11		D	17126−2516	I 1	2 C A	AB	328	0.652	0.015	2.19	0.05	
84187	10.077	0.018	9.459	0.018		0.575	0.022	T	0.65	0.02	L	9.4862	0.0023	0.028	172		9.44	9.55		C			1							
84188	6.928	0.003	6.919	0.003		0.009	0.004	T	0.03	0.00	L	6.9346	0.0006	0.010	221		6.92	6.96					1							S
84189	9.396	0.014	9.129	0.016		0.251	0.015	G	0.28	0.02	H	9.1935	0.0017	0.018	134		9.17	9.23		C			1							
84190	8.109	0.011	7.960	0.011		0.135	0.015	T	0.15	0.01	L	7.9888	0.0010	0.011	83		7.97	8.01					1							S
84191	12.194	0.163	10.304	0.048		1.603	0.140	T	1.71	0.17	K	10.1786	0.0044	0.039	102		10.10	10.24		U 2			1							
84192	10.567	0.036	8.728	0.015		1.530	0.031	T	1.57	0.07	L	8.6624	0.0030	0.027	97		8.61	8.70		U 2			1 S							
84193	9.662	0.021	7.857	0.010		1.503	0.018	T	1.53	0.03	L	7.8296	0.0016	0.012	88		7.80	7.85					1							S
84194	10.048	0.031	9.526	0.030		0.499	0.032	T	0.57	0.03	L	9.5910	0.0025	0.024	72		9.54	9.63		C			1 S							
84195	9.153	0.013	8.053	0.009		0.941	0.012	T	0.99	0.01	L	8.0931	0.0012	0.013	106		8.07	8.12					1							
84196	8.907	0.011	8.304	0.010		0.562	0.013	T	0.64	0.01	L	8.3755	0.0015	0.016	130		8.35	8.41					1							S
84197	9.570	0.016	8.773	0.013		0.722	0.016	T	0.77	0.01	L	8.8236	0.0015	0.018	127		8.80	8.85					1							
84198	7.475	0.007	7.087	0.007		0.408	0.015	G	0.47	0.02	H	7.1239	0.0007	0.007	78		7.11	7.14					1							S
84199	10.144	0.029	9.780	0.033		0.458	0.005	G	0.53	0.01	H	9.7679	0.0018	0.017	74		9.74	9.80		D			1							
84200	10.480	0.035	9.366	0.022		0.960	0.032	T	0.95	0.03	L	9.4275	0.0027	0.028	101		9.38	9.49		C			1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
1 2	h m s	±° ′ ″	mag	6 7	deg	deg	10	mas	mas/yr		mas		mas	mas/yr													%	
	3	4	5		8	9		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
84201	17 12 42.76	−72 39 49.8	8.75	H	258.178 167 79	−72.663 832 29		1.30	2.52	−6.99	0.58	0.85	1.08	0.62	1.05	+11	−20	+ 0	+13	− 5	− 9	− 8	−11	+ 4	+ 7	0	0.27
84202	17 12 44.61	+29 54 42.5	8.34	H	258.185 891 53	+29.911 804 78		9.10	−2.30	62.07	0.57	0.71	0.90	0.61	0.86	+ 7	−21	−12	+ 5	− 2	−12	− 4	+ 3	+ 3	+ 2	0	−0.06
84203	17 12 45.11	+59 03 56.3	9.92	G	258.187 949 72	+59.065 648 96		33.08	−319.51	357.58	0.89	0.87	1.01	1.01	0.97	−14	+23	−16	+ 5	+ 7	−24	+ 1	− 1	− 2	−21	0	0.44
84204	17 12 46.44	−41 30 33.7	9.93	G	258.193 517 27	−41.509 360 38		1.76	1.54	−5.73	1.72	1.04	1.90	1.79	1.11	+16	−46	−31	+34	+ 7	− 5	+18	+66	−30	+ 3	0	0.92
84205	17 12 46.77	−04 11 21.0	9.46	H	258.194 894 97	−04.189 169 31		4.65	−7.71	5.05	1.43	1.06	1.62	1.73	1.33	−17	−16	−27	+39	−18	− 7	−13	+64	−35	−24	0	−0.90
84206	17 12 47.51	+55 35 24.0	8.66	H	258.197 976 39	+55.590 007 15		2.66	−2.59	−0.05	0.65	0.68	0.69	0.84	0.86	+11	+ 4	−11	− 1	+15	+ 1	+15	− 8	+ 2	+ 6	0	0.39
84207	17 12 49.70	−49 03 18.2	9.14	H	258.207 090 46	−49.055 044 57		2.23	−21.02	−6.24	1.33	0.78	1.37	1.93	0.88	− 8	+ 2	− 7	−17	+ 5	−10	+ 1	+ 4	− 5	+ 3	0	−1.03
84208	17 12 49.84	−58 10 21.2	8.76	H	258.207 685 44	−58.172 566 38		10.54	−27.88	−88.48	0.78	0.76	1.15	1.03	0.90	−17	− 6	−12	+ 0	+ 9	+10	+ 8	− 5	+21	−13	3	0.30
84209	17 12 50.29	+06 02 53.9	8.30	H	258.209 548 41	+06.048 315 89		5.96	3.98	11.42	1.05	0.69	1.10	1.08	0.72	+27	−34	+10	+51	+54	+ 3	+56	+35	−14	+42	2	−0.51
84210	17 12 51.08	+61 51 13.5	8.82	H	258.212 827 44	+61.853 737 51		9.29	64.30	4.83	0.76	0.79	0.85	0.74	0.97	+19	−37	−26	+ 2	− 8	+14	−11	+ 3	+14	+11	0	−1.49
84211	17 12 51.14	−02 16 01.3	9.08	H	258.213 081 51	−02.267 041 32		8.43	−4.26	−2.55	1.38	1.09	1.36	1.94	1.39	−21	− 7	+ 1	+52	−14	+16	−15	+67	− 7	−16	0	0.95
84212	17 12 51.16	−05 07 25.3	11.61	G	258.213 176 76	−05.123 681 93		47.05	189.07	−695.06	4.44	2.57	3.27	4.43	3.03	−20	−36	+ 7	+50	−27	−18	−28	+55	− 4	−27	0	0.55
84213	17 12 52.30	+57 51 45.4	9.29	3 H	258.217 924 23	+57.862 610 20	*	1.05	−1.65	9.86	0.86	0.80	0.90	1.27	1.16	+ 5	+ 5	−10	+23	+ 0	+25	+ 7	− 5	+15	+21	0	−0.49
84214	17 12 53.13	+30 34 08.7	9.80	H	258.221 368 46	+30.569 080 68		1.45	11.91	−1.47	0.74	1.08	1.25	0.79	1.45	+ 2	− 2	−18	+ 9	− 5	− 6	− 7	+15	− 2	−12	0	−1.35
84215 H	17 12 53.19	+23 08 33.8	10.04	H	258.221 619 56	+23.142 714 89	A	3.08	4.97	−21.97	2.56	3.80	4.91	2.80	5.90	+20	+ 3	−16	−30	−11	− 1	− 2	+ 5	−18	− 7	1	0.07
84216	17 12 53.43	+12 07 07.7	10.75	H	258.222 642 95	+12.118 808 69		20.75	256.47	129.67	1.75	1.47	2.06	1.89	1.60	+34	−25	− 1	+42	+47	− 7	+48	+33	−14	+45	0	−0.49
84217	17 12 54.33	+00 21 07.9	6.65	H	258.226 392 94	+00.352 206 45		14.55	18.47	−73.39	0.77	0.62	0.99	0.90	0.83	−15	−36	−13	+34	−24	−14	−17	+43	−15	−37	0	−1.00
84218	17 12 54.52	−50 32 31.8	10.10	H	258.227 181 63	−50.542 162 66		2.01	−3.34	−11.15	1.62	1.25	1.79	2.38	1.38	− 9	−14	+ 0	− 1	+43	+10	+34	+ 2	+ 0	+ 4	0	−0.12
84219	17 12 54.57	−82 23 17.3	7.41	H	258.227 355 30	−82.388 128 55		9.73	18.47	−6.75	0.51	0.56	0.68	0.55	0.71	− 6	−26	+ 6	+ 8	−18	− 6	−15	−18	+10	+ 9	0	−0.10
84220	17 12 55.19	−12 46 26.1	9.49	G	258.229 973 27	−12.773 910 16		5.37	−35.49	−46.30	1.34	0.93	1.39	1.55	1.03	−29	−26	− 8	+25	−31	+ 6	−25	+57	−14	−33	0	0.60
84221	17 12 55.48	−44 35 12.1	10.19	H	258.231 164 23	−44.586 696 57		0.28	14.31	10.57	1.97	1.26	2.12	2.95	1.37	−10	−14	+ 0	+12	+35	− 4	+25	+22	−11	+15	0	1.20
*84222	17 12 56.13	−29 37 11.5	9.27	H	258.233 883 60	−29.619 864 67		6.18	0.37	−16.32	1.35	0.64	1.51	1.65	0.70	−10	−20	− 4	+ 2	+ 2	−16	+ 6	+37	−22	−12	0	2.38
*84223	17 12 55.90	+42 19 57.4	10.07	G	258.232 896 68	+42.332 613 62		41.97	−1015.21	−354.15	3.75	4.18	4.53	3.77	5.09	+ 9	+ 6	− 3	−23	− 1	− 5	− 1	− 6	+ 0	+ 4	0	
84224	17 12 56.81	−14 20 12.5	9.79	G	258.236 728 14	−14.336 800 92		5.75	10.91	−5.22	1.49	0.90	1.71	1.63	0.96	− 1	−45	−24	+14	−22	+18	− 1	+53	−27	−25	0	−0.25
84225	17 12 57.67	+35 09 52.6	7.68	H	258.240 287 12	+35.164 622 04		3.48	−14.01	13.86	0.53	0.58	0.69	0.65	0.71	+13	−15	− 9	+13	+16	− 7	+15	+13	− 2	+ 7	0	−0.90
84226	17 12 58.56	−32 26 18.0	5.95	H	258.243 987 20	−32.438 327 30		0.87	1.98	−1.99	0.65	0.41	0.72	0.63	0.42	− 6	−36	−11	+ 7	−32	−14	−19	+42	−18	−23	0	−0.61
84227	17 12 58.59	−16 30 52.5	8.75	H	258.244 125 37	−16.514 576 71		7.45	−9.07	−14.32	1.10	0.72	1.18	1.20	0.76	−22	−30	− 8	+17	−24	+12	−15	+44	−19	−29	0	−0.94
84228 H	17 12 58.77	−32 14 33.6	8.65	H	258.244 858 69	−32.242 656 00	A	1.65	2.77	−0.85	2.02	1.17	1.99	1.98	1.08	+ 9	−28	−18	+40	− 2	+ 4	+12	+44	−25	+10	3	−0.01
84229 H	17 12 59.21	−58 35 48.3	6.82	H	258.246 722 53	−58.596 760 79	A	17.73	−59.48	−92.36	0.83	0.72	1.04	1.02	0.80	+12	−21	−14	+12	− 8	+ 9	− 9	+11	+15	+ 4	2	−0.69
84230 H	17 12 59.30	+07 44 57.5	6.87	H	258.247 086 19	+07.749 314 32	A	11.06	−20.46	22.51	1.61	1.15	1.21	1.31	0.88	+38	−11	− 5	+40	+29	+ 5	+28	+35	−12	+44	1	−0.29
84231	17 13 02.88	−58 54 40.8	8.28	2 H	258.261 997 49	−58.911 332 01		1.17	−2.89	−2.68	0.76	0.69	1.13	0.99	0.80	+21	−16	−22	+ 2	+ 9	+20	+12	+19	+13	+17	0	1.13
84232	17 13 03.37	−54 51 07.3	7.19	H	258.264 048 30	−54.852 033 24		1.75	19.19	−52.39	0.78	0.65	0.96	0.92	0.66	−18	−11	−31	+ 0	+ 4	−21	+ 1	+10	+ 1	−43	0	1.28
84233	17 13 04.02	+35 58 43.2	11.68	3 H	258.266 734 07	+35.978 662 80		1.84	−19.42	−16.44	1.42	1.44	1.77	1.53	1.68	+ 8	−13	+ 4	− 2	+13	− 1	+13	+ 7	− 2	+15	0	0.46
84234	17 13 05.23	+32 55 27.0	8.69	H	258.271 775 29	+32.924 172 31		3.26	−4.97	−15.12	0.59	0.72	0.84	0.69	0.91	+15	−13	−18	+ 5	+ 2	− 6	+ 1	+ 1	+ 4	+10	1	−0.27
84235 H	17 13 06.05	+36 36 25.3	9.91	H	258.275 203 75	+36.607 035 64	*	3.55	7.33	−41.36	1.01	0.99	1.22	1.10	1.16	+13	−15	+12	− 8	+ 7	+ 3	+ 8	+18	+ 4	+ 8	1	2.86
84236	17 13 06.26	+54 08 20.9	6.91	G	258.276 088 14	+54.139 149 72		9.64	1.36	64.84	0.51	0.56	0.56	0.51	0.59	+ 6	− 2	−11	+17	+19	− 1	+20	− 3	+ 8	+ 6	3	2.91
84237	17 13 08.30	+24 59 08.2	7.25	H	258.284 587 81	+24.985 612 05		3.47	0.39	−35.74	0.38	0.54	0.79	0.44	0.69	− 1	−11	−10	−13	+ 9	−11	+10	− 6	−18	+ 3	0	1.55
84238	17 13 09.43	−37 57 08.5	6.59	1 H	258.289 270 97	−37.952 369 21		0.55	−0.24	−2.40	0.78	0.50	0.82	0.93	0.53	−15	−28	− 9	+33	− 9	+10	− 7	+56	−10	−11	0	−0.49
84239	17 13 09.48	+27 55 56.0	8.11	H	258.289 488 32	+27.932 220 96		2.15	0.25	12.84	0.52	0.67	0.89	0.63	0.84	+10	−14	−18	+ 1	+ 2	+ 1	+ 4	+ 1	−15	− 1	0	0.59
84240	17 13 10.02	−33 50 47.8	9.85	H	258.291 739 92	−33.846 622 18		7.31	−33.98	−58.28	1.28	0.75	1.39	1.42	0.81	− 2	−28	−12	− 4	−27	−12	−14	+39	−18	−22	0	0.02
84241	17 13 11.18	−55 23 30.7	8.75	H	258.296 568 17	−55.391 863 82		1.04	−2.33	−2.71	0.94	0.78	1.15	1.12	0.83	−24	−15	−17	− 5	− 3	+ 8	− 1	− 2	+ 1	−36	0	−0.64
84242	17 13 12.82	+34 31 14.6	9.39	H	258.303 417 24	+34.520 730 62		5.38	−0.20	5.95	0.72	0.97	1.02	0.75	1.27	+18	− 4	−20	+16	+12	+ 3	+19	+45	−13	+ 6	1	−0.67
84243	17 13 14.01	−12 43 48.0	8.09	H	258.308 394 90	−12.730 003 29		3.32	−14.73	−38.79	1.01	0.69	1.05	1.16	0.76	−13	−33	− 9	+23	−34	− 5	−24	+53	− 7	−32	0	0.67
84244	17 13 16.03	+64 37 24.5	10.72	H	258.316 773 19	+64.623 476 89		9.92	−20.88	178.44	1.14	1.36	1.36	1.15	1.83	− 5	−17	−10	−22	−24	+ 7	−13	+26	+20	−40	1	1.90
84245	17 13 17.10	−68 28 00.2	8.50	H	258.321 257 09	−68.466 714 84		1.59	−9.72	−5.37	0.55	0.76	1.08	0.66	0.88	+ 6	−17	+ 3	+ 2	− 9	− 2	− 9	+ 7	− 1	+ 8	0	1.22
84246	17 13 17.39	+00 40 22.1	8.96	H	258.322 475 07	+00.672 803 14		1.69	−1.18	2.84	1.05	0.99	1.48	1.25	1.31	−16	−23	−33	+34	−34	− 1	−24	+56	−32	−41	0	−0.02
84247	17 13 17.52	+01 14 59.3	9.36	H	258.322 984 00	+01.249 796 79		4.32	−7.35	0.08	1.28	1.06	1.51	1.61	1.35	+15	−20	−43	+56	+ 1	− 2	+ 7	+60	−37	− 6	0	0.23
*84248	17 13 18.11	−67 11 46.9	5.87	H	258.325 468 91	−67.196 371 97		9.98	−156.26	−90.10	0.39	0.46	0.66	0.49	0.55	− 7	−16	+ 7	+22	−15	+ 5	−18	+18	+22	− 2	0	0.16
*84249	17 13 17.81	+20 03 58.3	9.38	H	258.324 209 31	+20.066 183 08		0.64	−26.62	10.02	0.85	1.04	1.54	1.36	1.35	−27	+ 9	−11	+15	+34	− 4	+31	+10	−10	+29	0	0.05
84250	17 13 18.72	+33 46 06.8	9.90	H	258.328 010 88	+33.768 558 92		1.98	4.73	0.21	0.93	1.05	1.18	1.12	1.29	+27	−15	−22	+39	+14	+ 0	+16	+38	−15	+12	0	2.40
84251	17 13 19.35	−09 40 30.0	8.56	H	258.330 618 62	−09.674 998 09		2.07	−11.27	−14.21	1.12	0.74	1.26	1.26	0.82	− 6	−43	− 4	+18	−22	− 6	−14	+54	− 6	−15	0	−0.43
84252	17 13 21.63	−30 32 13.8	9.62	H	258.340 124 34	−30.537 166 15		10.78	−52.06	−93.48	1.68	0.82	1.91	2.27	0.92	− 4	−33	+ 0	+12	+ 2	−25	+12	+39	−27	− 4	2	0.90
84253	17 13 21.73	−00 22 53.6	9.92	G	258.340 540 94	−00.381 550 77		22.49	−18.33	6.83	1.56	1.22	1.92	1.90	1.63	−26	−34	+11	+34	−21	−15	−10	+54	− 6	−42	0	−1.42
84254	17 13 22.77	+35 25 51.3	8.11	H	258.344 865 56	+35.430 929 28		2.53	3.36	5.33	0.61	0.63	0.75	0.79	0.76	+18	−10	− 1	+25	+22	− 8	+21	+19	− 1	+21	0	0.11
84255	17 13 23.23	−53 06 21.1	8.89	H	258.346 795 61	−53.105 870 09		25.05	−47.73	43.95	1.07	0.80	1.27	1.25	0.83	− 3	−24	−17	+ 8	+11	− 3	+11	+10	− 8	+ 3	0	1.25
84256	17 13 23.81	−18 44 32.5	9.41	H	258.349 197 64	−18.742 362 52		8.55	42.46	−25.83	1.47	0.98	1.68	1.85	1.09	−25	−11	−23	+20	−32	+24	−21	+49	−36	−32	0	−0.29
84257	17 13 24.39	−55 20 47.5	9.07	H	258.351 640 92	−55.346 534 66		−0.62	−1.93	−16.94	1.05	0.86	1.25	1.21	0.90	−26	−20	−19	− 1	+ 0	− 3	− 1	+ 8	+ 7	−39	0	−0.40
84258	17 13 26.93	−47 15 09.3	8.03	1 H	258.362 224 56	−47.252 591 33		2.85	7.01	−11.52	0.99	0.67	1.11	1.34	0.78	− 7	−14	+17	+12	− 8	+ 2	− 6	+23	−21	+ 9	0	−0.35
84259	17 13 27.21	+38 59 06.3	6.99	H	258.363 376 11	+38.985 094 46		5.29	8.01	−15.52	0.47	0.53	0.59	0.49	0.60	− 8	−11	+ 1	− 2	+ 4	−14	+ 3	+19	+ 7	− 6	0	0.45
84260	17 13 27.72	+45 22 20.1	7.56	H	258.365 516 97	+45.372 256 21		1.38	−5.02	−7.40	0.56	0.58	0.64	0.74	0.71	+17	−13	− 7	+ 5	+ 3	− 5	+ 5	+ 2	+10	− 2	+30	0	1.59
84261	17 13 27.80	−23 52 16.3	9.22	H	258.365 816 40	−23.871 206 04		2.09	0.55	−0.76	1.34	0.74	1.48	1.91	0.81	+ 4	−23	−17	+10	−15	−15	− 9	+33	−22	+ 7	0	0.89
84262	17 13 30.12	+22 44 44.7	7.67	H	258.375 515 05	+22.745 746 56		3.46	25.34	−18.35	0.58	0.64	0.94	0.86	0.86	+ 7	− 7	−16	+18	+ 6	− 9	+ 5	+17	−23	+ 4	0	1.18
84263	17 13 30.26	−60 30 40.2	8.50	H	258.376 067 52	−60.511 180 45		11.90	0.05	1.07	0.84	0.72	1.25	1.02	0.75	+ 2	−14	− 8	−39	−30	+ 9	−23	−17	+13	− 9	2	1.61
84264	17 13 30.42	+55 28 30.2	7.61	G	258.376 755 60	+55.475 057 45		13.48	−36.78	59.74	0.54	0.54	0.59	0.59	0.68	+ 3	+15	− 4	− 7	+ 4	+12	+ 7	− 9	+14	− 9	0	1.15
84265	17 13 30.56	−70 35 18.1	7.87	1 H	258.377 344 72	−70.588 360 81		−0.20	5.72	4.62	0.44	0.71	0.98	0.44	0.82	+12	−12	− 5	− 9	−12	− 9	−13	−28	− 9	+ 8	0	0.05
84266	17 13 31.24	+42 06 23.1	7.60	G	258.380 187 47	+42.106 424 00		2.95	−4.03	−40.84	0.57	0.55	0.65	0.55	0.64	− 4	−26	+ 9	− 8	+ 4	− 6	+ 5	+ 9	− 3	+ 3	0	1.34
84267	17 13 32.28	−47 19 09.7	7.10	H	258.384 498 39	−47.319 347 68		6.97	−2.48	−25.72	0.81	0.56	0.94	1.06	0.65	−15	−28	+13	+23	− 7	+ 3	− 2	+31	−20	+ 8	0	−0.06
84268	17 13 33.12	−53 27 44.7	8.07	H	258.387 996 21	−53.462 418 72		2.45	−0.87	−10.32	0.99	0.66	1.17	1.12	0.66	+ 5	−35	−28	− 3	+17	−12	+10	+10	− 1	+11	0	−0.36
84269	17 13 36.73	−15 33 37.0	6.70	H	258.403 042 82	−15.560 287 52		9.10	−21.33	−22.86	0.77	0.52	0.82	0.88	0.57	−22	−25	− 7	+22	−26	+15	−18	+50	−16	−32	0	0.20
84270	17 13 37.25	−18 32 10.9	8.62	H	258.405 222 55	−18.536 371 52		2.25	−2.63	−20.47	1.20	0.79	1.33	1.61	0.88	−32	− 7	−16	+24	−33	+24	−25	+44	−32	−32	0	−0.05
84271 H	17 13 37.36	−09 17 01.7	7.54	H	258.405 668 42	−09.283 813 68	A	11.14	−8.68	−15.24	2.04	1.02	2.11	1.60	1.02	+18	−73	−30	+26	+22	−33	+23	+40	−23	+26	2	−0.03
84272 H	17 13 37.75	−23 30 02.8	9.33	G	258.407 291 63	−23.500 780 46	*	1.58	−6.09	−1.42	1.36	0.80	1.50	2.07	0.88	− 1	− 5	−19	− 4	−15	− 5	−12	+26	−19	+ 4	0	1.06
84273	17 13 38.48	+52 18 09.1	8.27	H	258.410 350 64	+52.302 515 48		7.00	18.78	1.64	0.58	0.59	0.63	0.64	0.72	+ 2	−11	− 1	+11	+17	− 9	+18	+ 4	+ 7	+11	1	0.85
84274 H	17 13 38.90	+17 16 27.0	9.70	H	258.412 076 07	+17.274 177 86	*	5.81	2.04	23.66	2.60	2.84	2.18	1.91	1.96	+ 5	− 6	−15	+ 3	+12	+ 6	+10	+10	− 8	+20	1	−0.62
84275	17 13 39.23	+21 25 52.7	6.82	H	258.413 460 31	+21.431 309 24		5.63	2.48	−0.03	0.49	0.53	0.77	0.68	0.71	+ 8	−18	−13	+32	+15	+ 4	+14	+20	− 1	− 3	0	−0.57
84276	17 13 40.64	+21 59 45.8	9.27	H	258.419 340 49	+21.996 046 12		9.99	−8.26	−49.02	0.90	1.11	1.43	1.25	1.67	+25	−15	−10	+43	+18	+ 7	+18	+39	− 1	+11	0	1.57
84277	17 13 40.72	−08 25 11.2	12.00	2 G	258.419 683 14	−08.419 775 23		52.76	−422.77	−409.97	3.72	2.50	4.18	4.69	2.96	− 7	−23	+23	+38	+23	+17	+18	+57	+ 1	− 5	0	1.53
84278	17 13 41.21	−47 56 56.1	7.90	H	258.421 700 52	−47.948 912 87		2.23	−2.89	−5.84	1.01	0.68	1.17	1.18	0.77	− 5	−43	+10	+18	+ 2	+ 2	+ 6	+35	−15	+14	8	3.17
84279	17 13 43.95	+40 59 43.3	10.10	H	258.433 122 76	+40.995 372 16		3.78	−0.28	−21.46	0.90	0.91	1.06	1.00	1.08	+14	−17	− 5	+ 8	+ 4	+ 5	+ 2	+18	+ 9	+21	0	2.48
84280	17 13 44.41	−37 53 24.1	8.94	H	258.435 052 65	−37.890 033 26		5.05	8.91	−70.10	1.42	0.84	1.44	1.82	0.89	− 3	−24	− 3	+45	+ 6	+21	+ 7	+59	−13	+ 3	0	−0.49
84281	17 13 44.48	+24 15 29.6	9.26	1 H	258.435 352 34	+24.258 209 93		0.09	2.32	9.68	0.54	0.92	1.27	0.64	1.15	+12	−21	−12	+12	+10	−15	+12	−13	− 5	+18	1	−0.05
84282	17 13 44.99	−32 51 09.2	8.01	3 H	258.437 460 01	−32.852 561 65		1.38	1.51	0.15	0.86	0.53	0.92	0.85	0.54	− 3	−30	−13	+17	−34	− 9	−22	+45	−22	−23	0	−1.99
84283	17 13 45.46	+37 40 14.8	8.93	H	258.439 424 84	+37.670 787 10		6.99	−13.65	−18.76	0.69	0.69	0.83	0.78	0.82	+11	− 1	+ 3	+ 7	+16	− 9	+14	+27	+12	+20	0	0.21
84284	17 13 45.99	−24 03 07.9	9.01	H	258.441 625 00	−24.052 202 67		11.83	−0.77	−48.44	1.34	0.70	1.49	1.74	0.74	+ 5	−31	−18	+ 8	−10	−15	− 3	+36	−19	− 1	1	0.50
84285	17 13 48.69	−65 41 15.1	8.30	H	258.452 891 69	−65.687 532 74		3.37	−0.85	−26.04	0.56	0.62	0.95	0.67	0.75	+ 8	− 6	− 9	+14	−19	+ 5	−19	+10	+21	+ 3	1	−0.21
84286	17 13 51.59	−67 22 10.6	8.47	H	258.464 978 03	−67.369 619 95		2.71	−7.18	−28.22	0.56	0.72	1.08	0.73	0.82	− 4	−19	+ 7	+22	−16	− 5	−17	+ 9	+23	− 1	2	0.15
84287	17 13 52.25	+75 49 09.0	9.84	H	258.467 722 31	+75.819 155 84		1.65	−8.10	6.28	0.79	0.77	0.84	0.79	0.98	+ 5	−28	− 6	− 6	+ 2	+ 4	+11	+19	−20	− 9	3	−0.19
84288	17 13 53.10	−56 48 01.8	6.98	H	258.471 266 25	−56.800 504 91		6.67	−27.68	−30.04	0.62	0.56	0.89	0.79	0.62	−30	−20	− 4	+ 5	−12	+22	−15	+25	+14	−17	0	−1.76
84289 H	17 13 53.67	+15 57 03.1	8.80	H	258.473 638 04	+15.950 871 81	A	1.80	−11.53	−0.13	1.55	1.62	2.52	1.84	1.68	−21	−14	+ 4	− 3	+15	+19	+17	+ 0	−14	+22	3	0.94
84290 H	17 13 53.96	−38 17 41.7	6.74	G	258.474 851 85	−38.294 904 06	A	8.78	39.53	−14.56	1.04	0.73	1.05	1.20	0.70	−11	−27	−13	+16	+ 4	+ 4	+ 3	+36	−13	+ 0	2	1.48
84291	17 13 56.51	+26 10 50.6	8.61	H	258.485 470 27	+26.180 733 98		1.28	6.67	14.37	0.61	0.87	1.15	0.71	1.12	+ 8	−13	−23	−13	+ 6	+ 1	+ 9	+ 3	− 6	− 5	0	−0.44
84292	17 13 57.37	−32 14 28.5	7.93	H	258.489 028 23	−32.241 248 78		2.43	−0.54	0.62	0.91	0.57	1.01	0.99	0.61	−15	−32	−15	+25	−29	− 1	−14	+55	−29	−28	0	−1.09
84293	17 13 57.81	+16 21 01.0	8.50	2 T	258.490 869 14	+16.350 286 27		10.47	26.24	−47.63	1.86	1.73	2.77	2.14	2.09	− 6	−26	−11	− 4	+17	+10	+23	− 5	+18	+11	0		
84294	17 13 58.54	+04 55 14.3	8.02	H	258.493 903 10	+04.920 637 00		3.82	11.78	16.01	0.75	0.55	0.95	0.76	0.55	− 4	−29	+ 3	+17	+29	+ 3	+30	+ 5	− 9	+ 8	3	−0.01
84295	17 13 59.52	−16 40 55.5	11.75	G	258.498 013 55	−16.682 075 90		4.44	4.03	1.91	3.33	1.98	3.60	3.60	2.21	−13	−43	− 2	+22	−22	− 2	−10	+34	−20	−11	0	−0.84
84296	17 14 00.36	−49 56 03.6	9.32	H	258.501 497 37	−49.934 329 05		0.11	−3.58	−0.99	1.68	1.03	1.70	1.97	1.11	+16	−32	− 3	+25	+44	+ 4	+38	+32	− 1	+25	0	2.86
84297	17 14 02.02	−27 47 47.6	6.68	H	258.508 429 06	−27.796 558 85		2.09	−4.55	−4.37	0.78	0.46	0.86	0.82	0.50	−12	−33	−19	+10	−23	+ 3	−10	+45	−17	−38	0	0.64

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
84201	8.900	0.009	8.750	0.011		0.136	0.013	T	0.15	0.01	L	8.7997	0.0021	0.025	179		8.76	8.85					1							
84202	8.985	0.012	8.406	0.011		0.566	0.015	G	0.64	0.01	H	8.4582	0.0018	0.018	149		8.43	8.49		C			1							S
84203	11.142	0.062	10.065	0.039		1.120	0.020	G	1.20	0.03	I	10.0690	0.0021	0.022	96		10.04	10.13					1							
84204	10.554	0.051	9.935	0.044		0.450	0.020	G	0.52	0.02	H	10.0362	0.0031	0.020	73		9.99	10.06		C			1							G
84205	10.068	0.028	9.523	0.028		0.541	0.020	G	0.61	0.02	H	9.5758	0.0020	0.019	70		9.55	9.60		C			1							
84206	9.994	0.030	8.761	0.018		1.053	0.027	T	1.02	0.02	L	8.8297	0.0018	0.012	87		8.81	8.85					1							
84207	10.897	0.085	9.272	0.034		1.360	0.072	T	1.33	0.08	L	9.2885	0.0021	0.018	64		9.26	9.32		C			1							
84208	9.402	0.015	8.808	0.014		0.555	0.015	T	0.63	0.01	L	8.8774	0.0018	0.020	115		8.85	8.91					1							
84209	8.563	0.010	8.313	0.011		0.238	0.014	T	0.27	0.02	L	8.3667	0.0016	0.015	97		8.35	8.41					1							
84210	9.631	0.017	8.895	0.014		0.674	0.018	T	0.73	0.01	L	8.9606	0.0019	0.017	116		8.93	8.99		C			1							S
84211	9.893	0.024	9.162	0.020		0.670	0.025	T	0.73	0.02	L	9.2186	0.0022	0.016	77		9.19	9.26		C	17129−0216	I 1	1 S							
84212						1.490	0.020	G	1.87	0.01	A	11.7334	0.0112	0.060	65		11.64	11.80					1 G							G
84213	10.975	0.056	9.500	0.026		1.261	0.051	T	3.73	0.12	O	8.9000	0.0363	0.236	89		8.48	9.50		U 2			1 V							P
84214	11.412	0.059	9.885	0.024		1.283	0.050	T	1.24	0.05	L	9.9598	0.0023	0.028	164		9.91	10.03		C			1							
84215	9.759	0.044	9.102	0.031	*	0.610	0.046	T	0.68	0.04	L *	10.1696	0.0032	0.042	147	*	10.09	10.24		D	17129+2309	I 1	2 C A	AB	1	1.863	0.010	0.62	0.03	
84216	11.903	0.141	10.714	0.072		1.011	0.126	T	1.06	0.15	L	10.8903	0.0057	0.040	100		10.82	10.98					1							G
84217	7.241	0.007	6.703	0.005		0.504	0.008	T	0.58	0.01	L	6.7575	0.0011	0.006	73		6.75	6.77		C			1							S
84218	11.478	0.104	10.255	0.057		1.045	0.093	T	1.02	0.08	L	10.2756	0.0046	0.032	80		10.21	10.34					1 S							G
84219	7.798	0.008	7.446	0.007		0.334	0.010	T	0.39	0.01	L	7.4889	0.0009	0.009	133		7.47	7.50					1 G							S
84220	10.168	0.035	9.650	0.036		0.602	0.020	G	0.67	0.02	H	9.6286	0.0023	0.019	72		9.60	9.66					1							
84221	10.965	0.066	10.231	0.059		0.673	0.071	T	0.73	0.06	L	10.3245	0.0057	0.042	76		10.26	10.38					1							G
84222	9.654	0.022	9.319	0.025		0.323	0.036	T	0.37	0.05	L	9.3492	0.0021	0.015	82		9.33	9.37		C			1							
84223	11.773	0.111	10.198	0.044		1.280	0.015	G	1.46	0.03	I	10.2588	0.0027	0.034	113		10.21	10.32			17129+4220	I 1	1 X S							
84224	10.679	0.060	9.999	0.054		0.739	0.020	G	0.79	0.01	H	9.9451	0.0033	0.021	68		9.90	9.97		C			1							G
84225	9.459	0.018	7.839	0.009		1.356	0.016	T	1.32	0.02	L	7.8290	0.0015	0.014	127		7.80	7.85					1							S
84226	6.035	0.004	6.004	0.005		0.071	0.009	G	0.20	0.03	C	6.0163	0.0010	0.007	91		6.01	6.03			17130−3226	I 1	1							S
84227	9.147	0.017	8.799	0.018		0.337	0.022	T	0.39	0.03	L	8.8294	0.0022	0.017	76		8.80	8.86		C			1							
84228	8.795	0.013	8.724	0.017	A	0.186	0.400	G	0.05	0.02	L *	8.6654	0.0017	0.014	86	−	8.64	8.69		D	17130−3215	I 1	3 C A							G
84229	7.258	0.007	6.838	0.006	*	0.394	0.004	G	0.46	0.00	H *	6.9123	0.0009	0.008	125	*	6.90	6.93		D	17130−5836	I 1	2 C A	AB	322	3.063	0.006	2.08	0.02	S
84230	7.307	0.006	6.906	0.006	*	0.379	0.007	T	0.44	0.01	L *	6.9588	0.0011	0.009	87	*	6.94	6.97		D	17130+0745	I 1	2 C A	AB	254	0.399	0.008	1.79	0.03	S
84231	10.531	0.036	8.494	0.013		1.687	0.030	T	1.71	0.03	L	8.3865	0.0033	0.036	125		8.34	8.44		U 2			1							
84232	8.795	0.015	7.349	0.009		1.219	0.014	T	1.18	0.01	L	7.3563	0.0013	0.011	82		7.33	7.37					1							S
84233	11.527	0.076	11.317	0.109		0.201	0.125	T	0.22	0.14	L	11.7662	0.0447	0.401	134		10.81	12.09	0.44	P 1 A			1							G
84234	10.513	0.031	8.862	0.014		1.381	0.027	T	1.35	0.03	L	8.8356	0.0012	0.015	135		8.81	8.87					1							
84235	10.425	0.032	9.973	0.033	*	0.426	0.042	T	0.49	0.04	L *	10.0048	0.0030	0.030	128	*	9.95	10.05		C	17131+3636	H 1	2 C S B	AB	272	0.165	0.046	0.62	1.09	
84236	7.286	0.006	6.941	0.007		0.307	0.017	G	0.35	0.02	H	6.9948	0.0012	0.010	93		6.98	7.01			17131+5408	I 1	1							S
84237	9.192	0.011	7.401	0.005		1.491	0.010	T	1.51	0.01	L	7.3734	0.0010	0.012	217		7.36	7.39					1							S
84238	6.985	0.007	6.628	0.006		0.338	0.009	T	0.39	0.01	L	6.6744	0.0026	0.015	72		6.65	6.70		U 2			1							S
84239	9.425	0.014	8.221	0.009		1.040	0.015	G	1.01	0.01	H	8.2818	0.0013	0.014	133		8.26	8.31		C			1							
84240	10.484	0.044	9.962	0.045		0.499	0.047	T	0.57	0.05	L	9.9602	0.0021	0.018	89		9.93	9.99					1							G
84241	10.061	0.032	8.894	0.020		1.001	0.029	T	0.98	0.02	L	8.9183	0.0017	0.018	83		8.89	8.94					1							
84242	9.794	0.019	9.417	0.020		0.357	0.026	T	0.42	0.03	L	9.4765	0.0028	0.025	119		9.44	9.51					1							
84243	9.584	0.020	8.225	0.012		1.151	0.018	T	1.11	0.02	L	8.2578	0.0019	0.013	77		8.24	8.29		C			1							
84244	11.774	0.103	10.615	0.056		0.995	0.091	T	0.97	0.07	L	10.8508	0.0044	0.041	105		10.76	10.91					1							G
84245	9.747	0.015	8.608	0.010		0.979	0.014	T	0.96	0.01	L	8.6647	0.0016	0.020	185		8.63	8.70		C			1							
84246	9.397	0.019	8.980	0.020		0.394	0.025	T	0.46	0.03	L	9.0482	0.0017	0.017	70		9.02	9.09		C			1							
84247	9.726	0.025	9.396	0.027		0.313	0.034	T	0.36	0.05	L	9.4329	0.0018	0.017	66		9.41	9.49		C			1							
84248	7.251	0.004	5.996	0.003		1.070	0.004	T	1.03	0.00	L	6.0413	0.0009	0.009	161		6.02	6.06			17133−6712	I 1	1							S
84249	10.684	0.027	9.465	0.016		1.042	0.024	T	1.01	0.02	L	9.5477	0.0025	0.027	160		9.50	9.59					1							
84250	10.229	0.028	9.942	0.033		0.273	0.041	T	0.31	0.05	L	9.9767	0.0025	0.027	113		9.93	10.05		C			1							
84251	10.154	0.032	8.711	0.017		1.217	0.028	T	1.18	0.03	L	8.7227	0.0016	0.012	63		8.71	8.75		C			1							
84252	10.470	0.036	9.696	0.030		0.689	0.036	T	0.75	0.03	L	9.7534	0.0019	0.023	84		9.72	9.80					1							G
84253	11.193	0.075	9.987	0.042		0.945	0.015	G	0.99	0.01	I	10.0447	0.0036	0.023	69		9.99	10.10		C			1							G
84254	8.247	0.009	8.131	0.010		0.112	0.013	T	0.13	0.01	L	8.1541	0.0014	0.015	112		8.13	8.18					1							S
84255	9.741	0.026	8.962	0.021		0.692	0.025	T	0.75	0.02	L	9.0272	0.0023	0.017	72		9.00	9.05			17134−5306	I 1	1 S							
84256	10.087	0.032	9.406	0.028		0.618	0.032	T	0.69	0.03	L	9.5385	0.0030	0.022	78		9.49	9.57		C			1							
84257	9.503	0.023	9.124	0.024		0.359	0.031	T	0.42	0.03	L	9.1549	0.0031	0.021	78		9.13	9.20					1							
84258	10.378	0.043	8.246	0.015		1.803	0.038	T	2.43	0.07	O	8.0691	0.0033	0.020	66		8.04	8.10		U			1							
84259	8.480	0.008	7.129	0.006		1.145	0.008	T	1.11	0.01	L	7.1563	0.0010	0.011	138		7.14	7.17					1							S
84260	7.342	0.006	7.537	0.009		−0.158	0.003	G	−0.16	0.00	H	7.5074	0.0014	0.012	103		7.49	7.53					1							S
84261	9.507	0.019	9.246	0.023		0.249	0.028	T	0.28	0.04	L	9.2853	0.0022	0.018	76		9.26	9.31		C			1							G
84262	7.989	0.008	7.696	0.008		0.279	0.011	T	0.32	0.01	L	7.7400	0.0015	0.017	114		7.71	7.76					1							S
84263	9.157	0.013	8.558	0.012		0.551	0.015	G	0.62	0.01	H	8.6194	0.0014	0.018	135		8.59	8.65					1							
84264	8.125	0.011	7.647	0.009		0.432	0.024	G	0.50	0.03	H	7.7086	0.0009	0.009	90		7.70	7.72					1							S
84265	10.035	0.015	8.060	0.006		1.673	0.013	T	1.92	0.04	O	7.9584	0.0014	0.019	258		7.93	8.00		U			1							
84266	9.087	0.013	7.718	0.008		1.147	0.005	G	1.11	0.01	H	7.8082	0.0012	0.011	108		7.79	7.83					1							S
84267	7.113	0.006	7.083	0.009		0.028	0.010	T	0.04	0.01	L	7.1179	0.0014	0.008	71		7.10	7.13		C			1							S
84268	8.012	0.010	8.050	0.013		−0.030	0.015	T	−0.01	0.01	L	8.0646	0.0016	0.012	67		8.05	8.08					1							
84269	6.905	0.006	6.722	0.006		0.168	0.008	T	0.18	0.01	L	6.7593	0.0009	0.008	78		6.74	6.77		D			1 S							S
84270	10.107	0.028	8.763	0.016		1.140	0.025	T	1.10	0.03	L	8.7855	0.0020	0.013	81		8.77	8.81		C			1							
84271	7.833	0.009	7.598	0.012	A						T *	7.5822	0.0013	0.007	59	*	7.57	7.60		D	17136−0917	I 1	2 C A	AB	342	1.532	0.012	2.61	0.07	S
84272	10.619	0.057	9.444	0.033	*	1.089	0.015	G	1.05	0.02	H *	9.4789	0.0030	0.020	74	*	9.44	9.52		C	17136−2330	H 1	2 C S C	AB	6	0.168	0.047	1.87	0.80	
84273	8.643	0.010	8.321	0.010		0.335	0.021	G	0.39	0.03	H	8.3519	0.0013	0.011	113		8.33	8.37		C			1							S
84274	10.539	0.037	9.777	0.031	*	0.695	0.038	T	0.75	0.03	L *	9.8424	0.0029	0.039	100	*	9.76	9.92		D	17136+1716	I 1	2 C A	AS	293	0.229	0.009	0.26	0.15	
84275	8.082	0.006	6.930	0.004		0.990	0.006	T	0.97	0.01	L	6.9813	0.0008	0.010	161		6.96	7.00		C			1							S
84276	9.889	0.020	9.319	0.018		0.533	0.024	T	0.61	0.03	L	9.3889	0.0021	0.025	126		9.33	9.44					1							
84277						1.548	0.036	G	2.43	0.26	I	12.0337	0.0088	0.063	74		11.88	12.15		U 2			1							G
84278	9.469	0.021	8.079	0.012		1.176	0.019	T	1.14	0.02	L	8.0624	0.0014	0.010	77		8.04	8.08			17137−4757	I 1	1 S							
84279	10.573	0.040	10.086	0.041		0.458	0.052	T	0.53	0.06	L	10.2036	0.0022	0.024	116		10.15	10.25		C			1							
84280	9.761	0.026	9.039	0.022		0.649	0.026	T	0.71	0.02	L	9.0747	0.0027	0.016	71		9.05	9.10					1							
84281	11.343	0.040	9.436	0.013		1.583	0.033	T	1.60	0.03	L	9.3726	0.0019	0.029	265		9.32	9.42		U			1							
84282	8.150	0.009	8.073	0.011		0.076	0.013	T	0.09	0.01	L	8.0435	0.0079	0.184	96		7.97	8.73	5.73	P 1 A			1							
84283	9.633	0.016	9.023	0.014		0.568	0.019	T	0.64	0.02	L	9.0572	0.0014	0.018	124		9.02	9.09					1							
84284	9.682	0.025	9.055	0.023		0.579	0.025	T	0.65	0.02	L	9.1362	0.0020	0.019	80		9.11	9.17					1							
84285	8.398	0.007	8.303	0.009		0.086	0.010	T	0.10	0.01	L	8.3359	0.0021	0.019	161		8.31	8.37					1							
84286	9.939	0.017	8.586	0.010		1.147	0.015	T	1.11	0.01	L	8.6345	0.0019	0.020	178		8.59	8.67					1							
84287	11.701	0.104	9.959	0.033		1.453	0.086	T	1.46	0.14	L	9.9753	0.0027	0.022	107		9.94	10.01		C			1							
84288	7.525	0.006	7.034	0.006		0.450	0.011	G	0.52	0.01	H	7.0841	0.0010	0.008	112		7.07	7.10		C			1							S
84289	8.984	0.014	8.715	0.017	*	0.253	0.023	T	0.28	0.03	L *	8.8673	0.0021	0.023	131	*	8.83	8.91		R	17139+1557	I 1	2 C A	AB	144	4.074	0.006	0.99	0.03	
84290	7.218	0.007	6.737	0.007	*	0.458	0.002	G	0.53	0.00	H *	6.8056	0.0009	0.008	85	*	6.80	6.82		D	17139−3818	I 1	2 C A	AB	146	2.709	0.006	1.99	0.03	S
84291	9.659	0.014	8.701	0.011		0.843	0.013	T	0.86	0.01	L	8.7630	0.0021	0.023	167		8.72	8.80					1							
84292	8.093	0.012	7.955	0.012		0.125	0.016	T	0.14	0.02	L	7.9820	0.0014	0.011	90		7.96	8.00		C			1							S
84293	9.146	0.015	8.559	0.013		0.549	0.015	T	0.62	0.01	L	8.6057	0.0310	0.157	103		8.44	8.86	0.42	P 1 A	17140+1621	I 1	1 X S							
84294	9.722	0.018	8.159	0.009		1.311	0.016	T	1.27	0.02	L	8.1702	0.0014	0.013	129		8.15	8.21		C			1							
84295											T	11.6555	0.0087	0.053	60		11.58	11.74					1 S							G
84296	10.767	0.059	9.495	0.033		1.083	0.053	T	1.05	0.04	L	9.4887	0.0036	0.026	85		9.44	9.54		C			1							
84297	7.385	0.006	6.764	0.005		0.578	0.007	T	0.65	0.01	L	6.8010	0.0009	0.007	85		6.79	6.81		C			1							S
84298	9.235	0.012	8.824	0.012		0.389	0.016	T	0.45	0.02	L	8.8485	0.0015	0.020	170		8.82	8.89					1							
84299	9.419	0.022	8.910	0.021		0.473	0.020	G	0.54	0.02	H	8.9575	0.0012	0.012	71		8.93	8.98		D			1							
84300	8.341	0.009	7.852	0.011	*	0.457	0.017	G	0.53	0.02	H *	7.8924	0.0011	0.011	88	*	7.87	7.92		D	17141+5608	I 1	2 C A	AB	319	0.381	0.003	0.28	0.02	S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)												Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$		F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr													%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
84301 H	17 14 07.12	−60 14 37.8	10.01	H	258.529 687 31	−60.243 835 39	A	13.08	−11.67	−119.95	6.21	6.23	9.03	5.86	5.68	+23	−10	−23	−44	−27	+17	−25	−48	+ 9	+17		0	0.00
84302	17 14 07.44	−65 57 44.3	7.12	H	258.530 987 13	−65.962 293 40		5.58	8.94	−73.42	0.48	0.51	0.80	0.58	0.61	+10	−15	−10	+10	−24	+ 5	−25	+ 7	+20	− 2		0	−1.03
84303 H	17 14 08.13	−08 24 14.4	8.49	G	258.533 881 15	−08.404 013 23	A	34.27	−101.75	69.82	2.09	1.39	2.01	2.80	1.79	−17	−15	− 6	+ 3	+11	+ 3	+24	+30	− 7	−45		4	0.28
84304	17 14 09.05	−51 58 32.0	9.90	H	258.537 721 41	−51.975 546 43		1.62	0.72	−6.10	1.46	1.07	1.69	1.71	1.15	−19	−17	− 6	+15	− 7	+ 9	− 3	+18	−19	−21		0	−0.51
84305	17 14 09.27	−45 19 56.0	8.40	H	258.538 608 53	−45.332 216 49		1.33	−3.36	−11.00	1.02	0.58	1.12	0.96	0.62	−19	−50	+ 6	+ 1	− 5	+ 8	+ 5	+13	−18	−21		0	1.11
84306	17 14 09.65	+19 18 43.1	9.83	H	258.540 194 08	+19.311 977 63		4.69	−16.16	−6.01	3.95	4.10	5.28	3.74	4.83	+ 0	−25	−12	− 5	+20	− 6	+26	−23	+ 0	+15		0	
84307	17 14 10.12	+19 10 46.3	7.91	H	258.542 163 63	+19.179 530 36		13.75	−26.50	36.74	0.76	0.81	1.06	0.73	0.90	+ 1	−16	−16	− 4	+19	−17	+25	−18	−12	+27		0	−0.99
84308	17 14 10.57	+12 02 22.9	7.10	H	258.544 045 26	+12.039 688 60		4.43	−31.44	−30.23	0.66	0.52	0.82	0.67	0.60	+21	−38	−11	+37	+31	− 6	+39	+23	−26	+28		0	0.17
84309	17 14 11.58	+29 34 09.9	8.41	H	258.548 267 95	+29.569 427 46		16.27	21.42	−29.94	0.65	0.78	0.97	0.79	0.98	+16	−20	− 4	+ 3	− 1	+ 2	+ 2	+10	− 9	+13		0	0.27
84310	17 14 12.16	−37 37 43.1	8.75	H	258.550 666 78	−37.628 650 50		2.34	1.34	−2.38	1.18	0.73	1.22	1.53	0.76	− 3	−11	+11	+42	+14	+19	+ 9	+55	+ 0	+14		0	0.11
84311	17 14 13.40	−56 53 18.6	6.08	2 H	258.555 853 91	−56.888 512 06		2.54	4.22	−5.91	0.58	0.54	0.76	0.71	0.59	−35	−12	− 3	+22	−10	+16	−12	+30	+10	−24		0	−0.12
*84312 H	17 14 14.18	+06 21 58.8	9.59	H	258.559 080 83	+06.366 331 27	*	3.53	−3.21	−10.58	3.36	1.62	2.14	1.91	1.38	+16	−41	+14	+39	+44	−15	+51	+16	−30	+44		0	−0.17
*84313	17 14 14.06	−46 01 04.8	8.81	H	258.558 597 97	−46.018 009 29		6.32	−1.96	−14.63	1.21	0.75	1.33	1.17	0.77	−32	−46	+10	+12	−16	+ 1	− 5	+21	−20	−30		0	0.10
84314	17 14 14.25	−26 59 03.3	6.64	G	258.559 361 53	−26.984 254 70		11.78	4.56	−67.22	0.73	0.43	0.80	0.78	0.45	−10	−33	−15	+ 1	−12	+ 5	− 3	+33	− 9	−30		0	0.99
84315	17 14 14.61	−75 16 47.4	8.94	H	258.560 889 51	−75.279 833 00		27.03	55.95	−98.67	0.70	0.80	1.03	0.81	0.93	+ 3	−14	+ 3	+14	− 6	− 8	− 8	−24	−15	− 8		0	−0.22
84316	17 14 15.02	+04 05 08.1	9.02	H	258.562 603 17	+04.085 590 20		6.02	−25.35	43.70	1.00	0.69	1.26	1.36	0.80	+17	−19	−11	+23	+34	−29	+34	+ 8	−28	+37		0	0.44
84317 H	17 14 16.12	−62 44 03.7	7.14	2 G	258.567 181 25	−62.734 354 75	*	2.92	−7.21	−16.58	1.67	1.59	1.03	0.81	0.72	− 5	− 7	−27	−20	−28	+25	−19	− 6	+17	−25		1	0.24
84318	17 14 16.57	−31 12 30.6	9.53	H	258.569 040 89	−31.208 495 96		0.40	−1.79	−5.69	1.64	0.80	1.63	2.29	0.83	+18	−24	+ 1	+25	+29	−10	+26	+37	−11	+21		0	0.37
84319	17 14 16.70	−24 22 37.0	9.62	H	258.569 593 10	−24.376 943 47		3.84	−1.45	−8.21	1.67	0.83	1.87	1.87	0.83	+15	−35	−22	+ 9	− 6	−26	+ 2	+35	−18	− 5		0	−0.94
84320	17 14 17.13	−35 07 46.2	7.92	G	258.571 392 47	−35.129 508 12		9.71	−59.69	−67.38	1.09	0.56	1.13	1.21	0.59	− 8	−44	−16	+30	− 4	+ 9	+ 3	+53	−16	−18		0	2.11
84321	17 14 17.71	+17 05 04.6	8.08	H	258.573 806 81	+17.084 622 68		4.47	−3.47	−12.07	0.67	0.71	1.14	0.73	0.82	− 3	−27	−28	− 5	+20	− 5	+26	− 1	−23	+23		0	−0.62
84322	17 14 17.77	−28 42 24.4	9.34	H	258.574 060 73	−28.706 773 06		29.35	20.85	10.94	1.33	0.74	1.49	1.50	0.79	− 9	−23	− 2	+ 3	−13	− 1	− 7	+34	−20	−11		2	2.48
84323	17 14 20.05	+14 33 09.1	7.42	H	258.583 552 13	+14.552 528 97		17.60	4.43	10.91	0.75	0.63	0.99	0.70	0.70	+23	−37	− 3	+24	+33	+ 3	+42	+20	−30	+28		0	−0.63
84324	17 14 20.17	−47 08 20.4	8.78	H	258.584 034 35	−47.139 003 48		7.94	3.07	17.93	1.27	0.75	1.41	1.67	0.83	−10	−23	+12	+ 5	−11	+22	−10	+25	−15	+ 1		0	1.31
84325	17 14 21.39	−62 50 39.2	8.71	H	258.589 114 49	−62.844 209 76		5.17	−47.16	−77.62	0.81	0.76	1.13	0.95	0.77	−13	−13	−31	−38	−18	+24	−12	−19	+13	−10		3	−0.70
84326	17 14 21.68	−17 27 57.7	8.12	H	258.590 331 05	−17.466 036 52		5.82	−9.43	−18.76	1.18	0.77	1.23	1.66	0.85	−21	−32	+ 4	+22	−35	− 5	−26	+50	−14	+ 0		0	0.00
84327	17 14 22.40	−64 37 51.3	7.47	H	258.593 327 38	−64.630 923 65		4.66	−8.07	−22.20	0.58	0.52	0.91	0.63	0.56	+30	−24	−20	− 1	−37	+ 5	−31	+15	− 5	+ 6		0	−0.74
84328	17 14 23.24	−04 09 43.1	7.99	H	258.596 822 85	−04.161 982 52		5.13	−13.10	−15.80	0.87	0.64	0.95	1.05	0.75	−26	−25	+ 8	+18	− 2	−12	− 4	+50	− 8	−13		0	0.09
84329	17 14 24.54	+36 22 04.5	7.78	3 H	258.602 233 87	+36.367 929 64		0.80	5.27	−9.80	0.59	0.66	0.80	0.62	0.83	− 5	− 3	+16	− 4	+ 7	−13	+12	+ 6	− 3	− 9		0	2.28
84330	17 14 25.16	+77 21 03.3	7.86	H	258.604 852 55	+77.350 912 60		2.16	−1.40	−6.81	0.55	0.48	0.58	0.60	0.61	+15	− 7	− 6	− 4	+18	− 6	+20	+ 8	− 5	+15		1	2.41
84331	17 14 25.56	−43 38 12.1	8.06	H	258.606 490 33	−43.636 694 79		1.66	3.03	−10.85	1.19	0.65	1.27	1.42	0.72	+ 9	−14	+ 6	+49	+20	+19	+23	+35	−24	+17		0	−0.23
84332	17 14 27.66	−39 45 59.9	6.42	2 H	258.615 231 57	−39.766 645 73		−0.60	−1.76	−1.60	0.76	0.53	0.82	0.85	0.54	−29	−29	− 6	+13	−11	+ 3	−11	+43	− 6	−25		0	1.27
84333 H	17 14 29.19	+43 30 42.6	9.52	H	258.621 613 41	+43.511 832 59	A	3.51	0.91	−5.62	5.35	5.86	3.02	2.97	3.25	−16	+ 5	−11	−10	+ 5	− 7	+ 4	− 5	− 7	+ 2		0	0.31
84334	17 14 30.02	−41 28 24.5	8.41	H	258.625 071 38	−41.473 481 25		4.19	−30.87	−14.57	1.43	1.14	1.44	1.69	1.28	−14	−15	−28	+58	−14	+ 1	−10	+81	−33	−15		3	1.71
84335	17 14 30.15	+21 31 58.2	9.54	H	258.625 622 46	+21.532 832 73		4.15	−3.51	−0.70	0.93	1.20	1.47	1.20	1.65	+22	−12	− 7	+40	+32	+ 7	+32	+27	+ 4	+10		0	3.38
84336 H	17 14 30.43	−67 50 15.6	9.21	H	258.626 797 37	−67.837 654 44	A	2.35	−4.77	−13.36	1.16	1.48	1.97	1.34	1.63	+ 8	−21	+ 2	+20	− 8	−11	− 7	+12	+ 1	+19		2	0.43
84337	17 14 30.73	−34 48 27.0	8.44	G	258.628 033 88	−34.807 502 37		0.61	0.82	−1.81	1.10	0.66	1.21	1.18	0.69	− 7	−44	−29	+26	−21	− 3	−10	+52	−14	−37		0	1.04
84338	17 14 31.76	−56 00 27.3	7.93	H	258.632 338 47	−56.007 574 48		1.24	1.00	−2.98	0.69	0.60	0.93	0.85	0.64	−44	− 9	+ 4	+11	−16	+15	−19	+27	+10	−30		0	0.71
84339	17 14 33.33	−54 22 12.5	8.44	G	258.638 856 52	−54.370 139 04		−0.70	−1.10	−3.41	0.88	0.66	1.05	1.04	0.68	−18	− 5	−18	− 2	+14	− 5	+12	+ 3	+ 2	−30		0	1.39
84340	17 14 33.46	+26 03 07.1	6.56	H	258.639 414 35	+26.051 985 25		3.72	17.97	−33.90	0.39	0.53	0.73	0.49	0.72	+ 7	−13	−27	−17	+ 2	+ 2	+ 5	+ 2	− 9	− 1		2	−0.01
84341	17 14 33.91	+30 57 20.9	8.86	H	258.641 307 01	+30.955 792 99		9.84	−21.26	42.82	0.61	0.80	0.98	0.69	0.99	+ 7	− 3	−16	+ 6	+ 1	−18	− 2	+10	− 2	− 1		0	0.46
84342	17 14 34.12	+63 21 11.3	7.11	H	258.642 173 31	+63.353 126 25		3.45	2.34	−16.90	0.54	0.54	0.58	0.56	0.72	+ 4	−22	−19	− 5	− 2	+ 2	− 3	− 3	+ 4	+13		0	−0.67
84343	17 14 35.90	−28 24 33.3	8.61	H	258.649 584 04	−28.409 240 60		0.90	−0.91	−1.87	1.19	0.67	1.33	1.30	0.72	+ 5	−21	− 5	+10	− 8	− 6	+ 3	+42	−23	−12		2	−0.68
*84344 H	17 14 39.23	−19 18 33.1	10.03	H	258.663 464 59	−19.309 184 27	A	0.90	7.61	−24.48	3.49	2.15	3.80	3.62	2.14	− 4	−20	−27	+ 7	−27	+ 4	−16	+45	−47	− 8		1	−0.32
*84345 H	17 14 38.86	+14 23 24.9	2.78	2 H	258.661 926 87	+14.390 253 14	A	8.53	−6.71	32.78	2.43	1.86	2.80	1.87	2.02	− 8	−43	−15	−15	+36	− 8	+48	− 6	−34	− 3		13	5.26
84346	17 14 39.78	+11 04 09.9	9.27	3 H	258.665 743 02	+11.069 415 09	*	−1.25	6.01	7.98	1.16	1.00	1.41	1.30	1.04	+35	−41	−28	+21	+22	−16	+28	+ 6	−17	+47		0	3.41
*84347	17 14 42.09	+82 19 50.8	8.27	H	258.675 360 51	+82.330 768 52		1.43	1.22	4.95	0.58	0.59	0.64	0.63	0.74	+ 9	−16	− 5	+ 0	+ 3	− 5	+ 6	+21	−22	+11		4	0.24
*84348 H	17 14 42.07	−49 20 49.3	10.21	H	258.675 287 54	−49.347 037 75	A	4.32	0.21	−5.61	5.79	4.01	5.49	6.15	3.70	+ 1	−10	+ 8	+ 3	+30	+ 6	+21	− 2	−17	+30		4	1.42
84349	17 14 42.17	−63 51 55.4	7.86	H	258.675 711 49	−63.865 402 19		5.32	−23.45	33.40	0.62	0.58	0.99	0.66	0.61	+20	−31	−17	+ 3	−36	+ 2	−31	+ 7	− 8	+ 3		0	−0.13
84350	17 14 42.29	+50 02 16.2	9.05	H	258.676 222 68	+50.037 838 34		14.44	47.15	41.82	0.69	0.78	0.80	0.75	0.90	+10	− 8	−14	+ 8	+11	− 2	+11	− 1	+12	+ 6		1	1.60
84351	17 14 42.46	−15 54 49.4	8.68	2 H	258.676 902 22	−15.913 719 72		2.79	−14.01	6.72	1.02	0.73	1.06	1.17	0.83	−28	−26	−12	+26	−36	+16	−27	+54	−17	−36		0	−0.86
84352	17 14 43.82	+58 23 02.3	7.89	H	258.682 584 12	+58.383 964 11		12.29	−2.56	40.58	0.62	0.68	0.68	0.80	0.89	− 8	+14	−16	+ 3	+14	− 3	+14	+ 9	− 4	−20		5	0.25
84353	17 14 44.24	−01 20 50.0	9.19	G	258.684 352 95	−01.347 226 89		9.01	−37.65	20.11	1.35	0.90	1.50	1.86	1.27	−27	−26	−11	+29	− 3	−23	− 3	+42	− 7	−32		0	−1.23
84354	17 14 45.03	−59 15 41.1	9.48	G	258.687 614 48	−59.261 403 67		4.54	21.62	−16.11	0.81	0.71	1.32	1.03	0.80	− 1	−17	−18	−22	−10	+27	− 7	−16	+12	− 7		0	0.88
84355	17 14 45.32	−28 55 17.2	9.28	H	258.688 839 12	−28.921 434 13		7.64	20.20	53.42	1.24	0.67	1.41	1.46	0.73	− 9	− 3	− 3	+16	−10	+ 2	− 9	+29	−27	− 6		0	−0.87
84356	17 14 45.74	−25 55 26.0	9.12	H	258.690 565 26	−25.923 898 25		7.55	−24.57	−71.03	1.18	0.64	1.27	1.43	0.69	− 9	−29	−13	+13	+ 0	+ 8	+ 3	+37	− 6	−23		0	0.34
84357	17 14 47.89	+24 04 45.3	7.93	H	258.699 562 08	+24.079 240 56		6.45	−19.94	−2.10	0.38	0.67	1.03	0.45	0.83	+22	−11	−14	−14	+ 8	− 2	+ 9	− 1	− 5	+24		0	−3.21
84358	17 14 48.11	+53 36 48.1	8.51	H	258.700 438 53	+53.613 369 39		2.40	14.15	−12.23	0.66	0.68	0.72	0.65	0.77	+ 8	− 4	−14	+ 3	+ 8	+ 1	+ 9	+ 1	− 1	+14		3	1.85
84359	17 14 48.63	−48 42 29.7	8.15	G	258.702 639 51	−48.708 258 99		10.91	12.30	22.08	0.97	0.66	1.11	1.23	0.71	−14	−17	+20	+20	− 7	− 8	− 3	+19	−16	+16		0	−0.07
84360	17 14 50.00	+09 59 37.4	9.06	H	258.708 328 40	+09.993 727 98	A	1.46	8.58	−22.13	2.74	2.17	2.40	2.43	1.99	+46	−34	−30	+45	+44	−13	+43	+33	−17	+30		2	−0.05
84361	17 14 50.16	−47 54 39.7	8.06	1 H	258.708 982 07	−47.911 025 75		1.67	−3.53	−2.00	1.09	0.72	1.19	1.24	0.78	−18	−41	+23	+37	−10	− 2	− 5	+41	− 6	+ 8		0	−0.44
84362	17 14 50.42	+65 30 27.4	10.01	H	258.710 090 90	+65.507 605 34		−0.39	0.09	−15.16	0.86	0.87	0.96	0.64	1.06	+ 0	−15	−18	−56	−16	+10	−12	− 6	+10	−29		0	−0.93
*84363	17 14 51.68	+09 59 23.4	11.03	H	258.715 334 93	+09.989 823 79	B	9.46	10.05	−19.84	15.38	12.53	9.94	9.93	7.85	+41	−26	−23	+45	+39	− 7	+39	+28	−18	+29		2	−0.05
*84364	17 14 51.68	+79 32 41.4	8.22	H	258.715 327 32	+79.544 820 98		3.15	23.86	−13.14	0.60	0.50	0.63	0.66	0.64	+14	−24	− 7	−23	+ 7	− 9	+ 8	− 3	− 7	+20		0	−1.09
84365 H	17 14 51.69	−52 18 23.4	8.95	H	258.715 395 43	−52.306 512 16	A	8.10	−1.20	−39.29	1.63	1.13	1.59	1.61	1.07	− 7	−24	− 4	+17	− 6	+12	− 7	+ 8	− 8	− 5		0	−1.10
84366	17 14 53.27	−20 58 10.1	7.68	H	258.721 967 94	−20.969 461 11		3.33	1.00	−18.52	1.05	0.68	1.11	1.35	0.76	− 9	−24	−26	+26	−29	+12	−18	+43	−20	−17		0	0.72
84367	17 14 53.55	−19 51 48.0	8.35	2 H	258.723 145 38	−19.863 337 87		1.96	7.05	−0.44	1.18	0.85	1.36	1.33	0.95	−14	−28	−31	− 1	−54	+ 3	−25	+61	−33	−52		6	1.80
84368 H	17 14 54.81	−44 40 57.4	9.33	H	258.728 377 97	−44.682 620 95	A	0.46	−3.11	−2.30	3.20	1.99	3.21	3.46	1.94	− 6	−31	+ 3	+ 1	+29	+ 6	+24	− 7	−13	− 5		4	0.91
84369	17 14 55.01	−79 03 59.7	12.57	H	258.729 196 74	−79.066 574 32		3.76	10.52	−57.20	2.46	2.98	3.61	2.88	3.89	+11	−16	+12	+15	− 8	−10	−10	+ 6	+12	+10		4	0.63
84370	17 14 55.72	−36 27 14.7	8.86	H	258.732 161 19	−36.454 093 45		4.29	5.95	−21.59	1.15	0.67	1.24	1.16	0.69	− 2	−36	− 9	+15	−15	− 9	− 4	+43	−15	−21		0	0.01
84371	17 14 57.08	−48 33 36.7	8.07	H	258.737 819 85	−48.560 186 04		3.15	−5.12	−8.11	1.00	0.68	1.15	1.22	0.73	−21	−29	+23	+ 8	− 6	− 6	− 1	+13	−19	+ 9		0	0.84
84372	17 14 57.19	+19 40 59.0	7.22	H	258.738 292 98	+19.683 043 36		22.68	−85.98	−184.48	0.58	0.68	1.00	0.85	0.92	−30	+10	−18	−11	+24	−24	+13	+ 3	−20	+29		0	0.36
84373	17 14 58.08	−78 38 06.9	8.83	1 H	258.742 016 96	−78.635 255 72		1.23	−22.72	−20.18	0.72	0.84	1.07	0.71	1.03	− 1	−32	− 1	+ 3	−19	−11	−21	+ 8	+ 3	−10		3	−0.70
84374	17 14 58.10	−02 30 11.4	8.41	H	258.742 092 77	−02.503 179 80		18.86	−53.78	14.37	1.22	0.90	1.19	1.56	1.10	−23	−22	−10	+56	−23	+14	−18	+73	−10	−37		0	0.22
84375	17 14 58.25	+15 40 10.0	10.29	H	258.742 724 21	+15.669 446 29		3.98	8.12	7.33	1.07	1.20	1.85	1.36	1.43	− 8	−18	+ 0	+ 3	+20	+20	+20	+ 4	+ 0	+20		2	0.21
84376 H	17 14 58.78	+12 37 31.7	9.19	H	258.744 912 59	+12.625 458 77	A	3.04	−3.30	5.37	1.42	1.30	1.79	1.29	1.22	+15	−39	−13	+21	+36	−12	+41	+20	−21	+41		1	−0.22
84377	17 14 59.55	−38 56 48.5	7.77	H	258.748 112 50	−38.946 797 81		5.20	34.99	−46.04	0.88	0.61	0.94	1.03	0.65	−32	−14	−11	+23	−23	+ 2	−20	+53	−12	−36		0	−0.23
84378	17 15 00.62	−24 43 39.7	9.24	G	258.752 575 03	−24.727 701 20		5.25	−3.60	−7.96	1.38	0.74	1.58	1.55	0.75	+ 4	−32	−19	− 4	−12	−25	− 3	+34	−14	−17		0	−1.64
84379	17 15 01.92	+24 50 22.5	3.12	1 G	258.758 017 35	+24.839 587 39		41.55	−21.14	−157.68	0.30	0.46	0.65	0.36	0.62	+ 4	− 7	−15	− 9	+ 7	−12	+ 6	+ 2	−10	+12		0	−1.27
84380	17 15 02.85	+36 48 33.0	3.16	1 G	258.761 892 82	+36.809 155 27		8.89	−27.35	2.70	0.40	0.43	0.52	0.41	0.50	+ 4	− 1	+ 5	− 3	+11	−16	+13	+ 8	+ 3	+ 8		1	1.37
84381	17 15 03.61	−31 19 38.9	8.82	G	258.765 052 57	−31.327 468 80		3.54	0.86	−6.36	1.22	0.64	1.33	1.31	0.70	− 5	−39	− 1	− 5	−11	−21	+ 3	+33	− 8	−30		0	−0.90
84382	17 15 05.16	+38 18 40.6	9.47	H	258.771 502 83	+38.311 271 14		1.89	11.13	−12.65	0.73	0.85	0.94	0.77	0.97	+ 0	−13	+ 8	+ 8	+ 5	−11	+ 4	+27	+ 6	+ 5		0	−0.61
84383	17 15 05.72	−45 52 42.8	7.57	G	258.773 853 04	−45.878 559 35		7.68	−24.33	−50.99	0.89	0.56	0.99	0.84	0.57	−25	−48	+ 8	+ 5	− 5	− 2	+ 3	+ 7	−16	−26		0	−0.62
84384	17 15 05.79	+03 25 26.1	8.32	H	258.774 117 44	+03.423 918 49		8.69	−7.81	11.94	0.90	0.61	1.03	1.11	0.65	+20	−13	−10	+12	+51	−11	+47	+ 5	− 8	+26		0	0.59
84385	17 15 07.90	+17 48 05.5	7.12	2 H	258.782 933 49	+17.801 521 60		−0.10	−5.35	−1.94	0.69	0.63	0.93	0.96	0.93	− 1	− 1	− 3	−28	+22	−11	+ 6	+ 3	−14	+58		0	1.87
84386	17 15 08.95	+66 39 27.7	8.60	H	258.787 282 36	+66.657 696 18		1.75	−3.87	−1.55	0.73	0.71	0.76	0.91	0.88	+16	− 5	−14	−17	+ 8	−17	+ 0	− 1	+14	+36		3	1.65
84387	17 15 09.02	+21 33 51.7	8.59	H	258.787 578 99	+21.564 364 38		3.52	−10.15	−26.87	0.75	0.87	1.18	1.05	1.28	+ 8	−16	+ 3	+40	+21	+12	+22	+27	−10	+ 2		0	−0.06
84388	17 15 11.22	+66 05 11.6	8.56	H	258.796 763 21	+66.086 542 67		5.31	−22.50	36.70	0.64	0.64	0.69	0.56	0.76	+10	−25	−16	−40	−12	+ 8	−14	− 9	+14	+ 1		0	−1.82
84389	17 15 11.55	+46 00 00.3	8.49	H	258.798 104 50	+46.000 077 68		3.40	4.51	−24.23	0.65	0.70	0.76	0.79	0.88	+20	−10	−23	−23	−10	− 5	−14	−20	+20	+17		0	1.23
84390	17 15 12.00	−18 18 20.9	9.79	H	258.800 009 07	−18.305 795 30		2.74	−7.45	−8.18	1.56	1.11	1.63	1.88	1.22	−32	−26	− 9	+31	−43	+11	−31	+62	−22	−43		2	0.17
84391	17 15 13.23	−26 31 50.2	7.63	H	258.805 139 79	−26.530 623 65		7.17	5.28	26.71	0.94	0.54	1.02	1.05	0.56	−22	−36	− 8	+ 9	+ 5	− 5	+ 7	+21	−10	−30		0	0.85
84392	17 15 13.50	+30 18 04.5	7.82	H	258.806 244 73	+30.301 251 12		2.96	1.84	13.98	0.46	0.61	0.74	0.49	0.77	+ 6	−11	− 6	+12	− 3	−13	− 3	+10	−16	+ 2		0	0.81
84393	17 15 14.46	+67 23 18.1	7.34	H	258.810 248 42	+67.388 355 95		3.38	12.12	−44.19	0.63	0.56	0.59	0.61	0.64	+23	−19	− 4	−33	− 2	− 8	− 6	+ 5	+ 4	+31		0	1.02
84394	17 15 14.61	−57 49 07.0	7.80	H	258.810 887 24	−57.818 611 81		4.09	−5.82	−21.25	0.68	0.61	0.89	0.86	0.67	−26	−12	−17	+21	−13	+17	−12	+33	+ 7	−27		0	1.03
84395	17 15 15.85	−33 11 30.2	8.34	H	258.816 050 88	−33.191 708 42		0.06	−2.77	−1.08	0.88	0.55	0.96	0.93	0.56	−14	−26	−12	+19	−32	+ 3	−21	+43	−23	−25		0	−0.87
84396	17 15 16.31	+43 44 42.7	9.38	H	258.817 938 89	+43.745 193 56		1.02	2.70	−14.48	0.84	0.80	0.93	0.90	0.96	+18	−10	−10	−11	+ 9	−17	+ 8	+ 5	+11	+11		0	1.03
84397	17 15 17.24	−07 12 06.0	8.07	H	258.821 849 02	−07.201 670 34		14

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
84301	11.769	0.103	10.485	0.052	A						T *	10.1474	0.0031	0.035	155 *		10.08	10.22		D	17141−6015	H 1	2 C D	AB	317	2.557	0.018	0.54	0.08	G W
84302	8.469	0.007	7.233	0.005		1.055	0.007	T	1.02	0.01	L	7.2865	0.0012	0.011	169		7.27	7.31					1						S
84303	9.644	0.025	8.608	0.017	A	0.925	0.015	G	0.97	0.02	I *	8.6155	0.0023	0.020	77 *		8.59	8.66		D	17141−0824	I 1	2 C B	AB	75	1.493	0.041	3.01	0.15	
84304	11.324	0.105	10.044	0.053		1.089	0.092	T	1.05	0.10	L	10.0743	0.0029	0.024	80		10.04	10.13		C			1							G
84305	8.600	0.013	8.435	0.016		0.151	0.020	T	0.17	0.02	L	8.4535	0.0017	0.011	77		8.43	8.47		C			1							
84306	11.523	0.087	10.042	0.037		1.247	0.074	T	1.21	0.07	L	9.9960	0.0050	0.032	80		9.94	10.08			17142+1919	I 1	1 X S							
84307	8.464	0.013	7.956	0.010		0.485	0.015	G	0.56	0.02	H	8.0160	0.0013	0.015	80		7.99	8.05					1							S
84308	8.370	0.011	7.229	0.008		0.981	0.011	T	0.96	0.01	L	7.2662	0.0014	0.010	99		7.25	7.28		C			1							S
84309	9.205	0.013	8.484	0.011		0.620	0.015	G	0.69	0.01	H	8.5416	0.0014	0.018	137		8.51	8.57					1 G							S
84310	8.939	0.017	8.801	0.020		0.287	0.015	G	0.33	0.02	H	8.8227	0.0017	0.017	71		8.80	8.86					1							
84311	8.354	0.011	6.313	0.005		1.728	0.010	T	2.59	0.02	O	6.0795	0.0023	0.024	104		6.04	6.12	7.50	P 1 A			1 S							S
84312	9.909	0.025	9.598	0.028	*	0.303	0.004	G	0.35	0.01	R *	9.6603	0.0034	0.020	84 *		9.62	9.70		C	17142+0622	I 1	2 C A	AB	354	0.202	0.008	0.64	0.23	
84313	9.245	0.019	8.868	0.020		0.368	0.024	T	0.43	0.03	L	8.9016	0.0032	0.018	73		8.87	8.93					1							
84314	7.129	0.006	6.691	0.005		0.427	0.006	G	0.49	0.01	H	6.7326	0.0010	0.007	86		6.72	6.74					1							S
84315	10.153	0.019	9.021	0.012		0.966	0.018	T	1.01	0.02	L	9.0795	0.0017	0.024	174		9.04	9.13					1							
84316	9.764	0.019	9.072	0.016		0.639	0.020	T	0.70	0.02	L	9.1526	0.0019	0.017	117		9.12	9.18		C			1							
84317	7.090	0.005	7.122	0.006	*	−0.031	0.005	G	−0.01	0.01	H *	7.1229	0.0028	0.025	122 *		7.09	7.17		U 2	17143−6244	H 1	2 C A	AB	68	0.229	0.023	2.68	0.33	S
84318	10.912	0.056	9.644	0.032		1.080	0.050	T	1.04	0.04	L	9.7049	0.0025	0.018	81		9.66	9.74		C			1 S							G
84319	10.315	0.040	9.658	0.035		0.600	0.040	T	0.67	0.04	L	9.7488	0.0029	0.022	79		9.71	9.79		C			1							G
84320	8.371	0.010	7.966	0.011		0.411	0.015	G	0.48	0.02	H	8.0173	0.0011	0.008	80		8.01	8.03					1							S
84321	8.046	0.008	8.074	0.010		−0.021	0.012	T	0.00	0.01	L	8.0806	0.0014	0.013	102		8.04	8.10		C			1							S
84322	10.646	0.044	9.482	0.028		0.992	0.041	T	1.04	0.04	L	9.4830	0.0027	0.017	84		9.46	9.52					1 S							
84323	7.959	0.009	7.467	0.008		0.474	0.009	T	0.55	0.01	L	7.5239	0.0010	0.009	88		7.51	7.55					1							S
84324	9.598	0.026	8.866	0.023		0.657	0.026	T	0.72	0.02	L	8.9171	0.0019	0.019	62		8.89	8.94		C			1							
84325	9.334	0.015	8.774	0.014		0.524	0.018	T	0.60	0.02	L	8.8261	0.0020	0.016	109		8.80	8.86		C			1							
84326	8.215	0.016	8.151	0.020		0.064	0.024	T	0.07	0.03	L	8.1430	0.0021	0.015	59		8.12	8.17		C			1							S
84327	8.881	0.009	7.588	0.005		1.100	0.008	T	1.06	0.01	L	7.6326	0.0007	0.011	224		7.61	7.65					1							S
84328	8.335	0.010	8.026	0.010		0.294	0.013	T	0.34	0.02	L	8.0631	0.0011	0.011	90		8.04	8.08		C			1							S
84329	9.749	0.019	8.057	0.009		1.440	0.017	T	3.23	0.07	O	7.6026	0.0257	0.223	116		7.27	7.91		U 2			1 S							S
84330	9.090	0.012	7.952	0.008		0.979	0.011	T	0.96	0.01	L	8.0241	0.0010	0.013	124		8.00	8.05					1							S
84331	9.545	0.025	8.205	0.014		1.136	0.022	T	1.10	0.02	L	8.2286	0.0019	0.013	74		8.20	8.25					1							
84332	9.508	0.026	6.731	0.007		2.282	0.022	T	2.33	0.02	L	6.4632	0.0059	0.066	74		6.30	6.50		U 2 C	17145−3946	I 1	1 S							S P
84333	9.900	0.025	9.518	0.026	*	0.362	0.033	T	0.42	0.04	L *	9.6114	0.0027	0.020	121 *		9.57	9.65			17145+4331	H 1	2 C C	AB	144	0.363	0.076	3.02	0.46	
84334	9.827	0.029	8.596	0.018		1.051	0.027	T	1.02	0.02	L	8.5796	0.0021	0.018	72		8.55	8.61		D			1 S							
84335	10.054	0.021	9.576	0.021		0.450	0.027	T	0.52	0.03	L	9.6451	0.0028	0.031	146		9.60	9.71					1							
84336	9.317	0.013	9.263	0.017	A	0.000	0.495	G	0.02	0.01	L *	9.2225	0.0022	0.027	194 *		9.18	9.27			17145−6750	I 1	2 C A	AB	313	7.369	0.030	2.98	0.12	
84337	11.377	0.079	8.797	0.016		2.170	0.015	G	2.16	0.01	J	8.4464	0.0018	0.016	91		8.41	8.47					1							
84338	7.833	0.007	7.935	0.009		−0.064	0.001	G	−0.04	0.00	H	7.9191	0.0010	0.011	113		7.90	7.94		C			1							S
84339	8.424	0.012	8.467	0.016		0.017	0.007	G	0.04	0.01	H	8.4375	0.0017	0.012	74		8.41	8.46					1							
84340	8.353	0.008	6.712	0.004		1.373	0.007	T	1.34	0.01	L	6.7050	0.0009	0.011	171		6.69	6.73					1							S
84341	9.467	0.015	8.911	0.014		0.521	0.018	T	0.59	0.02	L	8.9712	0.0018	0.020	144		8.93	9.02					1							
84342	9.155	0.015	7.269	0.007		1.567	0.013	T	1.59	0.01	L	7.2324	0.0014	0.013	102		7.22	7.25					1							S
84343	10.402	0.033	8.788	0.016		1.352	0.029	T	1.32	0.03	L	8.7634	0.0017	0.013	87		8.74	8.79		C			1							
84344	10.972	0.069	10.264	0.061	A	0.500	0.495	G	0.86	0.07	B *	10.1867	0.0047	0.027	66 *		10.11	10.22		R	17147−1919	I 1	2 C A	AB	137	1.665	0.013	1.32	0.06	G
84345	4.710	0.022	3.335	0.032	*	1.164	0.031	T	1.13	0.03	L *	2.9137	0.0189	0.144	69 *		2.70	3.10		U 2	17146+1424	I 1	2 C D	AB	105	4.841	0.038	2.34	0.14	S D
84346	10.961	0.049	9.453	0.023		1.289	0.045	T	4.55	0.08	O	8.4538	0.0279	0.197	92		8.19	8.80		U 2			1 V							P
84347	9.448	0.016	8.377	0.011		0.927	0.015	T	0.92	0.01	L	8.4275	0.0017	0.015	119		8.41	8.45		C			1							
84348	12.690	0.523	10.508	0.100	A	0.658	0.126	G	0.72	0.11	R *	10.3452	0.0039	0.036	75 *		10.25	10.40		D	17147−4921	I 1	2 C A	AB	198	1.791	0.009	0.50	0.05	G
84349	9.355	0.011	7.997	0.007		1.150	0.010	T	1.11	0.01	L	8.0279	0.0012	0.015	199		8.00	8.06					1							
84350	9.955	0.024	9.118	0.019		0.753	0.023	T	0.80	0.02	L	9.2007	0.0018	0.021	117		9.16	9.25					1							
84351	11.232	0.076	8.886	0.019		1.979	0.065	T	2.83	0.10	O	8.6427	0.0054	0.028	71		8.59	8.68		U			1 S							G
84352	8.365	0.012	7.927	0.010		0.413	0.014	T	0.48	0.01	L	7.9835	0.0016	0.012	92		7.96	8.00					1							S
84353	9.930	0.030	9.247	0.026		0.638	0.020	G	0.70	0.02	H	9.3360	0.0019	0.017	67		9.30	9.37		C			1							
84354	9.992	0.019	9.505	0.019		0.450	0.015	G	0.52	0.02	H	9.6039	0.0017	0.020	161		9.57	9.64		C			1							
84355	9.932	0.027	9.374	0.027		0.546	0.020	G	0.62	0.02	H	9.3981	0.0028	0.017	78		9.38	9.43					1							
84356	9.760	0.028	9.175	0.027		0.549	0.020	G	0.62	0.02	H	9.2404	0.0015	0.017	85		9.21	9.27		C			1							
84357	8.290	0.006	7.964	0.006		0.337	0.006	G	0.39	0.01	H	8.0146	0.0008	0.015	250		7.99	8.04					1							S
84358	9.771	0.024	8.626	0.016		0.984	0.022	T	0.96	0.02	L	8.6789	0.0019	0.014	93		8.66	8.71		C			1							
84359	8.590	0.020	8.218	0.021		0.402	0.015	G	0.47	0.02	H	8.2373	0.0015	0.013	63		8.22	8.26		D			1							
84360	9.723	0.026	9.092	0.023	A	0.587	0.030	T	0.66	0.03	L	9.1862	0.0089	0.018	78	A	9.15	9.22		D	17148+1000	I 2	1 C P D							D
84361	10.501	0.041	8.309	0.013		1.811	0.034	T	1.84	0.04	L	8.1553	0.0028	0.017	78		8.12	8.19		U			1 S							
84362	11.603	0.092	10.113	0.038		1.254	0.078	T	1.21	0.08	L	10.1803	0.0031	0.028	103		10.14	10.23		C			1							
84363	11.430	0.096	10.751	0.089	B	0.628	0.109	T	0.70	0.10	L	11.1039	0.0371			B				D	17148+1000	I 2	1 C I D							D
84364	8.509	0.010	8.251	0.010		0.278	0.003	G	0.32	0.00	H	8.2918	0.0015	0.014	125		8.27	8.32		C			1							S
84365	9.611	0.025	9.061	0.024	A	0.400	0.495	G	0.53	0.06	L *	9.0522	0.0025	0.017	82 *		9.02	9.09		D	17149−5218	I 1	2 C A	AB	127	1.362	0.018	2.40	0.08	
84366	9.841	0.027	7.884	0.011		1.638	0.020	G	1.61	0.02	J	7.7902	0.0015	0.014	71		7.76	7.81					1							
84367	10.777	0.059	8.552	0.018		1.879	0.051	T	2.54	0.09	O	8.3678	0.0047	0.031	63		8.32	8.41		U 2			1							
84368	10.527	0.046	9.556	0.031	A	0.400	0.495	G	0.93	0.07	L *	9.4876	0.0024	0.020	69 *		9.44	9.52		D	17149−4441	I 1	2 C B	AB	186	9.489	0.037	2.77	0.21	G
84369											T	12.6867	0.0109	0.101	113		12.50	12.88					1							D
84370	10.668	0.046	9.033	0.020		1.368	0.040	T	1.34	0.05	L	9.0092	0.0024	0.016	82		8.96	9.04		R			1							
84371	9.877	0.033	8.253	0.016		1.360	0.029	T	1.33	0.03	L	8.2217	0.0018	0.013	67		8.20	8.25					1							
84372	8.209	0.010	7.308	0.007		0.786	0.009	T	0.82	0.01	L	7.3553	0.0010	0.010	121		7.34	7.37		C			1							S
84373	10.958	0.041	9.048	0.014		1.620	0.036	T	2.15	0.08	O	8.9060	0.0023	0.024	128		8.87	8.95		U			1							
84374	9.229	0.015	8.477	0.012		0.687	0.015	T	0.74	0.01	L	8.5487	0.0019	0.014	86		8.52	8.57					1							
84375	11.409	0.065	10.310	0.038		0.949	0.058	T	0.94	0.04	L	10.4471	0.0030	0.032	115		10.38	10.50					1							G
84376	9.656	0.022	9.211	0.022	*	0.420	0.028	T	0.49	0.03	L *	9.2834	0.0021	0.018	93 *		9.26	9.34		D	17150+1238	H 1	2 C B	AB	169	0.644	0.031	3.37	0.14	
84377	9.058	0.015	7.907	0.010		0.989	0.014	T	0.97	0.01	L	7.9384	0.0013	0.010	98		7.92	7.96		C			1							
84378	9.926	0.027	9.347	0.025		0.608	0.020	G	0.68	0.02	H	9.3869	0.0016	0.016	82		9.36	9.41		C			1							
84379	3.242	0.002	3.136	0.002		0.080	0.004	G	0.06	0.03	C	3.1502	0.0005	0.005	194		3.14	3.16		M	17151+2451	I 1	1							S
84380	5.029	0.002	3.311	0.002		1.437	0.000	G	1.31	0.00	G	3.3121	0.0006	0.006	125		3.30	3.32		M			1							S
84381	9.406	0.019	8.862	0.019		0.471	0.005	G	0.54	0.01	H	8.9425	0.0017	0.016	84		8.91	8.98		C			1							
84382	10.747	0.043	9.565	0.024		1.013	0.038	T	0.99	0.03	L	9.6365	0.0017	0.020	127		9.59	9.67		C			1							
84383	8.008	0.008	7.602	0.010		0.407	0.015	G	0.47	0.02	H	7.6579	0.0014	0.009	79		7.64	7.67		C			1							S
84384	8.758	0.011	8.347	0.011		0.403	0.015	G	0.47	0.02	H	8.4132	0.0010	0.013	130		8.39	8.44		C			1							
84385	9.369	0.018	7.368	0.008		1.658	0.016	T	1.68	0.02	L	7.2318	0.0051	0.044	97		7.18	7.30		U 2 C			1 S							S
84386	9.880	0.020	8.703	0.013		1.009	0.019	T	0.98	0.01	L	8.7673	0.0021	0.019	114		8.74	8.81			17151+6639	I 1	1							S
84387	9.879	0.017	8.666	0.011		1.037	0.016	T	1.01	0.01	L	8.7528	0.0015	0.021	153		8.71	8.79					1							
84388	9.752	0.018	8.650	0.013		0.951	0.017	T	0.94	0.01	L	8.7248	0.0016	0.012	107		8.71	8.75		C			1							
84389	8.550	0.010	8.502	0.012		0.049	0.014	T	0.06	0.01	L	8.5135	0.0014	0.014	109		8.49	8.54					1							S
84390	11.536	0.110	9.926	0.041		1.420	0.040	G	1.40	0.06	K	9.9287	0.0022	0.020	72		9.89	9.96		C			1							G
84391	9.317	0.034	7.788	0.019		1.249	0.005	G	1.21	0.01	H	7.7949	0.0017	0.013	79		7.77	7.82			17155−2635	I 3	1							
84392	9.085	0.012	7.922	0.008		0.998	0.011	T	0.98	0.01	L	7.9911	0.0011	0.014	158		7.97	8.02					1							S
84393	9.201	0.016	7.489	0.008		1.429	0.014	T	1.42	0.02	L	7.4761	0.0014	0.011	99		7.45	7.49		C			1							S
84394	7.811	0.007	7.798	0.011		0.017	0.012	T	0.04	0.01	L	7.8148	0.0015	0.013	106		7.80	7.84					1							S
84395	8.388	0.013	8.376	0.016		0.016	0.019	T	0.04	0.02	L	8.3523	0.0015	0.013	88		8.33	8.37		C			1							
84396	10.885	0.053	9.436	0.024		1.222	0.046	T	1.18	0.04	L	9.5406	0.0018	0.019	120		9.50	9.58		C			1							
84397	8.672	0.010	8.119	0.009		0.518	0.012	T	0.59	0.01	L	8.1800	0.0014	0.014	106		8.16	8.21					1							S
84398	10.046	0.031	8.432	0.015		1.352	0.027	T	1.32	0.03	L	8.4297	0.0021	0.015	80		8.41	8.45		C			1							
84399	7.988	0.007	7.553	0.007		0.448	0.007	G	0.48	0.02	A	7.5996	0.0012	0.015	148		7.58	7.62					1							S
84400	9.343	0.011	8.891	0.011		0.440	0.012	T	0.51	0.01	L	8.9692	0.0018	0.024	200		8.93	9.01					1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
1 2	h m s	±° ′ ″	mag 5 6 7		deg 8	deg 9 10		mas 11	mas/yr 12	mas/yr 13	mas 14	mas 15	mas 16	mas/yr 17	mas/yr 18	19	20	21	22	23	24	25	26	27	28	% 29	30
84401	17 15 19.25	−33 32 54.3	5.60 2 H		258.830 196 99	−33.548 413 17		0.73	0.10	−2.98	0.70	0.40	0.77	0.61	0.39	+ 1	−48	−21	+ 3	−35	+ 0	−17	+39	−17	−32	0	−0.44
84402 T	17 15 20.30	−14 35 02.9	5.98 G		258.834 564 60	−14.584 125 56		10.63	−18.86	−5.88	1.13	0.70	0.98	1.14	0.87	−41	−55	+ 6	+50	−42	− 9	−39	+73	+ 7	−41	3	2.00
84403	17 15 20.43	+40 00 51.1	9.98 H		258.835 114 76	+40.014 205 12		5.34	25.34	−2.09	0.97	0.94	1.22	1.27	1.18	+ 7	+ 1	+ 4	+ 4	+ 8	−40	+11	+12	+ 8	+ 2	0	−0.39
84404	17 15 20.65	−35 53 05.9	8.92 H		258.836 030 97	−35.884 963 15		13.21	18.64	−221.27	1.22	0.68	1.29	1.40	0.74	− 8	−32	−12	− 1	−16	− 8	− 6	+35	− 9	−31	0	0.34
84405 H	17 15 21.29	−26 36 00.2	4.33 G		258.838 696 98	−26.600 048 96 B		167.08	−473.69	−1143.93	1.22	0.70	1.07	1.04	0.62	− 2	−36	−12	+14	+ 5	+ 0	+14	− 2	−12	− 1	9	1.39
84406	17 15 21.61	−57 05 03.6	8.86 H		258.840 024 80	−57.084 325 66		1.97	2.78	−12.89	0.95	0.77	1.24	1.12	0.82	−24	−14	+ 3	+21	−11	+16	−12	+24	+11	−17	0	−0.33
84407	17 15 22.21	−27 58 13.1	8.54 G		258.842 522 85	−27.970 311 47		10.18	4.93	−41.56	1.01	0.57	1.11	1.12	0.61	+ 1	−14	−10	−11	−29	−10	−18	+27	−23	−20	0	−0.70
84408	17 15 22.30	+32 34 00.4	8.28 H		258.842 907 38	+32.566 765 20		3.61	−18.10	−19.79	0.56	0.70	0.84	0.58	0.84	+ 9	−15	+ 3	+ 9	+ 6	−17	+ 9	− 4	−16	+ 5	0	0.57
84409	17 15 22.32	−38 12 46.6	6.71 1 H		258.843 006 28	−38.212 953 30		0.08	4.52	−5.95	0.76	0.53	0.80	0.90	0.56	−33	−18	−10	+28	−26	+10	−22	+53	−16	−36	0	−0.06
84410	17 15 23.33	−42 28 59.4	8.06 H		258.847 222 87	−42.483 170 90		6.35	−44.20	−30.86	1.17	0.69	1.31	1.17	0.75	+13	−52	−26	+28	+ 7	+ 1	+17	+50	−21	− 7	0	1.65
84411	17 15 25.22	−06 30 31.2	8.40 H		258.855 084 27	−06.508 668 95		1.13	−3.65	−10.92	0.97	0.69	1.09	1.13	0.82	−30	−33	+10	+39	− 7	− 9	− 5	+63	− 6	−26	0	0.90
84412	17 15 25.70	+14 54 41.0	8.27 H		258.857 075 38	+14.911 399 06		3.36	0.66	−15.29	0.99	0.81	1.20	0.91	0.88	+26	−21	+17	+34	+40	+ 9	+45	+21	−14	+35	2	0.59
84413	17 15 26.80	+47 20 39.1	9.42 H		258.861 679 65	+47.344 193 70		0.66	−1.96	3.12	0.86	0.90	1.01	1.24	1.19	+17	− 3	−22	+ 7	+11	−13	+ 8	−13	+27	+22	1	2.34
84414	17 15 27.69	−50 51 53.0	8.42 G		258.865 395 01	−50.864 730 88		10.07	−8.36	−108.10	1.12	0.69	1.18	1.29	0.68	− 1	−12	− 5	+ 7	+27	+ 3	+24	+ 9	− 5	− 3	0	−2.37
84415	17 15 27.91	+32 06 10.5	8.57 H		258.866 287 76	+32.102 911 20		1.95	−14.59	7.66	0.57	0.69	0.83	0.60	0.77	+ 6	−10	− 6	+17	+ 8	−21	+ 9	+ 1	− 9	+ 8	1	0.41
84416	17 15 28.03	−24 59 33.4	9.95 G		258.866 810 97	−24.992 613 78		14.59	−23.00	−19.64	1.59	0.91	1.75	1.87	0.98	+ 0	−31	− 9	− 3	−15	−19	− 4	+37	− 6	−23	0	0.48
84417 H	17 15 28.94	+10 51 38.0	8.67 H		258.870 570 67	+10.860 558 75 *		13.08	−65.26	−225.35	1.23	0.89	1.30	1.28	0.98	+35	−43	− 3	+45	+49	− 8	+52	+40	−18	+54	0	0.25
84418	17 15 29.86	+07 04 54.2	9.55 1 H		258.874 412 19	+07.081 710 36		0.52	−3.21	−2.26	1.17	0.83	1.38	1.40	0.94	+21	−15	+10	+44	+34	+11	+35	+28	−17	+24	0	−0.80
84419	17 15 30.64	−42 46 40.8	8.54 H		258.877 660 49	−42.777 995 86		11.02	8.21	−23.97	1.14	0.73	1.25	1.20	0.78	+ 1	−35	−13	+34	+ 5	+ 7	+11	+44	−17	− 8	0	0.14
84420	17 15 32.56	−71 15 32.0	8.48 H		258.885 669 71	−71.258 899 02		5.01	−5.78	−22.61	0.51	0.76	1.05	0.52	0.86	+16	−26	−17	+ 5	−14	−16	−22	−27	+ 1	− 1	0	0.16
84421	17 15 33.93	−75 28 55.1	8.72 H		258.891 387 25	−75.481 981 56		10.51	2.35	−8.44	0.66	0.80	1.02	0.80	0.97	+ 0	− 9	+ 4	+10	−13	−15	−12	−15	−14	+ 2	0	−0.06
84422	17 15 34.28	+17 49 54.4	7.62 H		258.892 839 23	+17.831 770 61		3.56	12.88	12.66	0.76	0.74	1.03	1.02	1.04	− 5	− 5	+ 1	−21	+30	−11	+18	+ 2	−14	+57	0	1.95
84423 H	17 15 34.66	−10 17 51.0	7.33 G		258.894 421 69	−10.297 495 06 A		9.72	−7.81	18.22	2.01	1.61	1.55	1.61	1.21	+15	−36	+ 7	− 5	+ 3	−13	+ 1	+18	+12	− 3	1	−1.27
84424	17 15 35.28	+29 28 19.1	8.60 H		258.896 989 87	+29.471 967 66		1.89	1.54	−11.54	0.69	0.77	1.02	0.82	1.00	+13	−29	− 6	+12	+ 6	− 8	+ 5	+16	− 2	+18	0	−0.71
84425 H	17 15 36.08	−38 35 34.6	5.95 G		258.900 323 98	−38.592 951 16 *		32.60	−169.82	−388.80	7.65	5.50	1.70	1.77	1.06	+73	− 8	−10	+20	+ 8	− 1	+11	+35	−20	+ 4	4	1.27
84426	17 15 37.82	+09 13 22.6	8.54 H		258.907 568 73	+09.222 946 56		5.63	−20.38	−8.05	1.32	0.95	1.27	1.50	1.09	+50	−27	−12	+68	+55	− 8	+56	+55	−24	+47	0	−1.07
84427	17 15 38.07	+34 42 27.7	6.78 H		258.908 611 92	+34.707 686 59		4.48	1.58	−17.99	0.44	0.52	0.61	0.48	0.63	+14	− 7	+ 3	+12	+ 9	−12	+11	−11	+10	+11	0	−1.24
84428	17 15 39.08	+12 16 52.7	9.17 H		258.912 847 10	+12.281 318 06		0.58	−5.72	−9.50	1.14	0.84	1.36	1.10	0.98	+35	−36	−11	+49	+47	− 5	+54	+40	−24	+44	0	0.39
84429	17 15 39.80	−34 21 08.1	7.85 2 H		258.915 820 03	−34.352 251 64		5.88	23.15	3.74	0.96	0.51	1.00	1.00	0.53	+ 6	−42	−14	+35	+ 0	+ 0	+ 6	+49	−14	− 1	0	−0.39
84430 H	17 15 41.08	−09 48 31.6	6.93 H		258.921 165 06	−09.808 768 27 A		5.71	6.11	−15.87	2.06	2.32	1.30	1.54	1.08	+20	−35	+ 1	− 6	+ 7	− 9	+ 8	+19	+ 7	− 6	0	0.20
84431	17 15 41.50	+23 44 33.7	5.99 H		258.922 901 65	+23.742 704 42		4.37	−41.52	23.17	0.35	0.51	0.80	0.43	0.69	+14	+ 2	− 4	−39	+ 5	−11	+ 4	− 6	−15	+19	0	−1.04
84432	17 15 41.93	+04 05 19.8	8.64 H		258.924 689 63	+04.088 827 27		6.39	−9.93	−3.59	0.99	0.63	1.20	1.17	0.70	+27	−36	−10	+33	+42	−25	+45	+16	−27	+44	0	−0.31
84433	17 15 43.42	+06 22 48.0	7.68 H		258.930 920 01	+06.380 010 63		11.28	7.73	16.74	0.97	0.61	0.99	0.98	0.65	+40	−34	+ 4	+58	+52	+ 5	+52	+42	−19	+37	0	0.16
84434	17 15 44.70	−51 04 59.7	6.94 1 H		258.936 232 33	−51.083 258 08		2.74	−0.57	−5.55	0.67	0.46	0.77	0.73	0.47	− 3	−26	− 3	+ 6	+ 4	+ 6	+ 7	+ 8	−16	−10	0	0.40
84435	17 15 45.71	−33 40 25.1	8.69 H		258.940 454 97	−33.673 638 24		−0.01	−0.06	−1.96	0.98	0.55	1.10	0.97	0.57	− 2	−44	−18	+ 8	−22	+ 1	− 8	+40	−18	−21	0	−1.71
84436	17 15 45.79	−01 17 36.1	8.93 H		258.940 775 48	−01.293 360 13		8.30	4.40	−21.90	1.32	0.86	1.37	1.85	1.19	−17	−25	− 9	+38	− 1	−12	+ 1	+48	−13	−19	0	−0.05
84437 H	17 15 46.09	−32 02 39.9	8.23 G		258.942 060 27	−32.044 408 18 A		1.30	1.66	−4.14	1.50	0.81	1.49	1.48	0.76	− 1	−25	− 5	+11	+ 2	− 7	+ 6	+20	−16	− 6	1	−0.07
84438	17 15 46.97	−34 56 20.6	8.69 H		258.945 716 51	−34.939 054 45		4.95	−16.83	16.04	1.54	0.65	1.39	1.62	0.72	+20	−51	−22	+45	+15	−10	+31	+49	−25	+15	0	−0.08
84439	17 15 48.41	+56 04 39.6	8.62 H		258.951 689 64	+56.077 665 47		3.13	8.47	−41.50	0.70	0.72	0.78	0.74	0.83	+10	− 4	−15	+ 1	+12	− 1	+11	+ 3	+27	+ 2	0	1.58
84440	17 15 48.91	−41 05 56.7	9.16 H		258.953 781 10	−41.099 077 34		−0.06	−11.13	−21.83	1.59	1.09	1.74	2.02	1.24	+ 5	−11	−20	+45	+16	− 1	+15	+58	−27	+ 5	0	3.57
84441	17 15 49.75	+41 38 56.7	7.38 2 H		258.957 279 41	+41.649 084 10		3.25	−3.94	27.65	0.54	0.54	0.63	0.56	0.63	+ 3	−19	+ 1	+ 2	+ 8	+ 7	+ 8	+ 1	+ 6	+18	0	1.73
84442	17 15 49.92	−40 33 05.0	9.12 H		258.958 018 03	−40.551 383 47		14.33	−2.58	−52.95	1.68	0.87	1.74	1.63	0.91	+13	−53	−15	+50	+21	− 4	+27	+61	−23	+20	0	0.53
84443	17 15 50.02	+06 50 36.4	7.98 H		258.958 417 74	+06.843 436 05		1.83	−1.00	10.49	0.92	0.61	1.06	0.97	0.68	+25	−38	−14	+45	+35	+ 1	+39	+33	−24	+18	0	0.36
84444 H	17 15 50.75	−33 44 13.2	6.54 G		258.961 457 16	−33.737 001 01 *		0.61	0.49	−1.52	0.67	0.41	0.74	0.66	0.41	−14	−33	−10	+17	−24	− 8	−14	+42	−16	−30	0	−0.03
84445	17 15 51.36	−30 12 38.2	6.20 H		258.964 002 23	−30.210 620 99		8.81	−14.43	−45.27	0.86	0.44	0.98	0.90	0.45	+ 0	−37	− 2	−14	−16	−30	− 2	+21	−12	−15	0	2.13
84446	17 15 52.78	+73 00 42.0	9.56 2 H		258.969 918 05	+73.011 675 17		4.29	−8.00	23.77	0.86	0.83	0.88	0.97	1.03	+18	−21	−20	− 9	− 3	+ 6	− 4	+20	−10	+29	6	1.14
84447	17 15 53.11	−59 26 11.5	8.47 H		258.971 293 19	−59.436 540 83		2.54	1.90	−20.54	0.64	0.56	1.03	0.82	0.64	− 6	−11	−13	−20	−18	+22	−12	− 2	+ 4	−17	1	−0.11
84448	17 15 53.98	+07 27 20.8	10.08 H		258.974 909 68	+07.455 765 56		2.50	−2.43	−54.19	1.62	1.14	1.70	1.86	1.29	+24	−12	+ 3	+52	+35	+11	+35	+40	− 7	+22	0	−0.39
84449	17 15 54.37	−46 20 13.5	7.77 H		258.976 560 71	−46.337 095 29		2.35	−2.32	−16.27	0.96	0.61	1.06	1.08	0.63	−22	−31	+12	+ 6	−16	− 6	− 8	+ 3	−17	− 5	2	−1.21
84450	17 15 54.71	−15 54 54.2	9.72 H		258.977 960 80	−15.915 057 37		7.75	−7.39	−12.79	1.48	1.04	1.59	1.64	1.20	−16	−40	−14	+18	−35	+ 6	−20	+51	−19	−35	0	−0.28
84451	17 15 56.29	−13 29 39.0	9.60 H		258.984 539 88	−13.494 170 98 A		−0.06	6.11	−8.41	4.24	2.83	4.16	4.13	2.95	− 4	−45	−10	+18	−24	+ 0	− 9	+54	−16	−25	0	0.45
84452	17 15 57.49	−44 14 38.7	10.22 G		258.989 552 76	−44.244 088 00		30.89	22.07	−79.51	1.80	1.07	1.98	2.26	1.18	− 6	−29	− 2	+18	+ 2	+12	+ 7	+13	−12	+ 6	0	0.13
84453	17 15 57.61	+51 48 19.2	7.85 H		258.990 022 00	+51.805 326 32		4.03	−12.69	−21.90	0.54	0.58	0.61	0.54	0.67	+ 8	− 1	−13	− 1	+ 7	− 5	+ 8	− 1	− 3	+ 0	0	−1.68
84454	17 15 58.38	−16 50 56.6	10.77 G		258.993 247 39	−16.849 049 68		3.16	−3.19	−2.95	2.29	1.55	2.44	3.19	1.80	−14	−18	− 1	+21	−22	+ 0	−18	+54	−13	− 6	0	0.35
84455	17 15 58.92	+27 08 03.6	6.57 1 H		258.995 487 08	+27.134 342 06		8.42	−38.13	−88.61	0.41	0.52	0.73	0.50	0.72	+ 5	−12	−16	− 7	+ 1	− 9	+ 3	+ 5	−30	− 2	0	0.26
84456	17 15 58.99	−52 18 28.2	7.44 H		258.995 790 38	−52.307 827 90		3.21	1.64	−10.69	0.80	0.56	0.90	0.91	0.58	− 5	−26	− 5	+28	+ 0	+14	+ 3	+26	− 9	− 3	0	0.63
84457	17 15 59.08	−53 56 32.5	7.85 H		258.996 185 91	−53.942 348 69		2.10	5.12	−10.16	0.88	0.72	1.10	1.16	0.68	−15	−17	−13	−20	+13	− 9	+15	+22	− 6	−18	0	1.19
84458	17 15 59.21	+20 24 02.3	10.76 H		258.996 694 66	+20.400 633 68		1.30	−21.46	−23.64	0.91	1.26	2.09	1.83	1.95	−12	− 6	+ 4	+ 8	+34	−16	+27	+16	− 5	+29	0	−0.22
84459	17 15 59.70	−16 11 45.3	7.70 G		258.998 763 56	−16.195 928 54		10.27	−37.16	−35.47	1.00	0.71	1.04	1.15	0.80	−16	−28	−13	+32	−25	+11	−15	+63	−17	−32	0	−0.36
84460	17 16 00.72	+11 03 30.7	11.01 H		259.002 994 42	+11.058 514 40		55.24	−137.67	−349.04	2.05	1.72	2.22	2.20	1.89	+42	−36	−14	+43	+52	− 7	+51	+34	− 9	+45	0	1.20
84461	17 16 00.84	−87 33 57.2	6.58 H		259.003 497 97	−87.565 895 80		5.32	−117.80	−156.05	0.46	0.50	0.56	0.54	0.63	− 9	− 8	+ 0	+20	+ 4	+ 1	+ 4	+10	+ 1	− 8	0	0.45
84462 H	17 16 02.90	−68 19 18.1	8.87 H		259.012 064 08	−68.321 682 26 A		1.44	−1.87	−16.85	1.18	1.45	1.90	1.23	1.57	+22	−11	−20	− 2	− 7	+ 2	− 4	+ 2	−14	+24	1	−0.32
84463	17 16 04.03	−41 13 27.8	9.79 H		259.016 787 10	−41.224 389 93		6.07	17.50	17.71	1.91	1.25	2.24	2.36	1.43	− 7	−31	−21	+41	+ 8	− 4	+14	+56	−38	− 1	0	−1.86
84464	17 16 04.39	+42 16 04.8	8.52 H		259.018 308 24	+42.267 997 45		2.74	−0.24	10.22	0.65	0.65	0.76	0.69	0.79	+ 7	−11	− 9	−12	− 5	−10	− 4	− 4	−11	− 4	0	1.98
84465 H	17 16 04.88	+60 42 49.7	6.91 1 G		259.020 352 91	+60.713 812 95 A		5.33	6.04	38.54	0.70	0.76	0.73	0.73	0.80	− 1	−20	−12	− 6	−12	+10	−15	−25	+14	−20	0	1.30
84466	17 16 05.40	−42 31 26.3	9.59 G		259.022 480 25	−42.523 960 76		3.07	7.26	7.85	1.46	1.00	1.62	1.62	1.14	−12	−38	−15	+31	−12	+ 7	− 4	+50	−16	−26	2	0.01
84467	17 16 07.53	−18 40 04.4	10.53 G		259.031 377 64	−18.667 899 62		4.24	−74.19	−137.27	2.24	1.62	2.43	2.54	1.80	−23	−33	−19	+21	−58	+ 1	−35	+67	−28	−47	2	0.09
84468	17 16 07.60	+23 15 36.9	9.40 H		259.031 672 43	+23.260 253 22		4.24	0.50	16.54	0.95	1.27	1.79	1.30	1.79	− 1	+10	− 5	−57	+ 8	− 4	+ 2	− 8	+14	+ 2	0	1.60
84469	17 16 08.33	+42 36 49.7	9.82 H		259.034 691 18	+42.613 818 98		3.02	−11.83	42.75	0.94	1.00	1.13	1.03	1.25	+ 8	+ 3	−14	− 8	+15	−23	+15	− 2	+ 5	+ 4	0	0.69
84470	17 16 09.39	+16 23 38.3	8.65 H		259.039 136 22	+16.393 985 27		4.41	0.24	−7.04	0.75	0.90	1.20	0.83	1.02	−42	− 1	−21	−16	+30	+11	+37	−22	+ 6	− 3	0	0.53
84471	17 16 09.50	−47 16 59.1	9.01 H		259.039 570 26	−47.283 097 04		5.10	−3.13	−21.40	1.26	0.84	1.37	1.74	0.95	−18	−20	+14	+31	−10	+ 6	− 5	+20	−17	− 3	0	0.75
84472	17 16 09.54	−61 11 08.0	8.94 H		259.039 744 37	−61.185 554 43		4.31	4.95	8.91	0.89	0.80	1.41	0.93	0.78	− 4	−17	+22	−38	−17	+ 6	−14	−21	−16	− 2	0	0.18
84473	17 16 09.58	−41 38 51.4	9.10 H		259.039 914 90	−41.647 623 01		6.92	−5.45	−29.56	1.58	1.02	1.78	1.67	1.10	+ 2	−38	−24	+42	− 5	+ 2	+ 8	+57	−31	−11	0	1.88
84474	17 16 10.21	+39 09 12.1	9.13 H		259.042 545 67	+39.153 356 63		5.41	−14.16	11.07	0.68	0.76	0.85	0.76	0.97	− 4	− 3	+ 0	− 3	+ 3	− 8	+ 6	+19	+ 0	−16	0	−0.42
84475	17 16 10.89	−38 20 12.0	8.27 H		259.045 365 16	−38.336 668 32		3.25	−0.69	−5.41	1.02	0.63	1.08	1.15	0.66	−26	−28	− 5	+28	−17	+ 4	−13	+49	−14	−27	0	1.86
84476	17 16 10.94	−10 53 38.9	10.48 H		259.045 579 12	−10.894 144 52		15.34	55.76	−258.43	1.95	1.29	2.16	1.86	1.36	−13	−41	+11	+11	−31	−15	−18	+46	− 5	−27	3	1.36
84477	17 16 13.19	+71 47 32.5	6.81 1 H		259.054 957 09	+71.792 369 85		4.07	1.46	−7.83	0.48	0.47	0.51	0.48	0.54	+ 7	−11	− 4	− 7	+12	−12	+10	+20	−14	+21	3	0.81
84478	17 16 13.68	−26 32 36.3	6.33 G		259.056 980 88	−26.543 416 25		167.56	−479.71	−1123.37	0.97	0.56	1.06	1.05	0.61	−15	−41	−15	+ 3	−11	− 2	− 4	+23	− 8	−37	0	−0.42
84479	17 16 14.25	+02 11 10.5	6.17 2 G		259.059 391 12	+02.186 243 65		5.54	11.32	−17.03	0.74	0.46	0.86	0.84	0.47	+ 7	−32	−18	+ 7	+42	−12	+37	+ 5	− 5	+14	0	1.35
84480	17 16 15.52	+44 45 36.5	8.56 G		259.064 678 85	+44.760 136 01		7.37	−12.76	22.23	0.74	0.69	0.79	0.92	0.94	+16	− 9	−23	+24	+20	+ 0	+23	+ 4	+12	+30	0	3.01
84481	17 16 15.89	−15 13 25.5	6.52 2 H		259.066 224 98	−15.223 741 14		3.92	−14.18	3.80	0.95	0.83	0.89	1.20	1.02	−57	+ 2	−30	+48	−64	+30	−57	+72	−36	−66	0	0.29
84482	17 16 17.42	−72 33 20.4	8.06 H		259.072 571 35	−72.555 678 87		2.06	−1.39	2.61	0.51	0.78	0.96	0.55	0.93	+19	−16	− 7	+ 3	− 5	− 7	− 8	−27	+12	+16	0	−0.54
84483 H	17 16 17.59	−42 20 20.5	6.75 2 G		259.073 271 64	−42.339 033 40 A		1.34	−5.39	−0.17	1.33	0.91	1.32	1.26	0.89	−17	−44	−28	+39	− 9	− 8	− 6	+41	−10	−16	10	0.98
84484	17 16 18.31	−03 36 39.0	10.04 H		259.076 303 33	−03.610 845 32		8.10	3.32	−14.11	6.37	4.29	7.97	7.54	5.05	−13	−12	− 6	+ 0	− 8	−28	− 5	+29	−18	−15	0	
84485	17 16 18.38	−39 36 38.2	8.48 H		259.076 580 20	−39.610 600 02		1.61	−1.06	−1.78	1.13	0.69	1.27	1.23	0.71	− 1	−32	−20	+23	+ 2	+ 2	+ 6	+45	−14	− 7	0	0.83
84486	17 16 19.36	−22 10 15.9	9.73 H		259.080 646 66	−22.171 070 90		8.57	−28.04	−25.71	1.39	0.80	1.51	1.70	0.87	+ 4	−28	−15	+ 8	−15	+ 6	− 5	+48	− 9	−14	0	1.62
84487	17 16 20.15	−12 10 41.2	10.47 H		259.083 955 42	−12.178 098 64		40.17	142.77	−22.04	1.69	1.19	1.85	1.87	1.31	− 2	−37	−14	+16	−32	− 3	−15	+56	−10	−37	0	1.67
84488	17 16 20.38	+16 39 39.0	7.77 H		259.084 914 29	+16.660 835 95		5.49	−9.60	−12.78	0.61	0.65	1.01	0.61	0.73	−15	−20	−34	+ 0	+15	+14	+28	− 4	− 9	− 1	0	0.52
84489	17 16 21.68	−35 44 58.1	6.09 H		259.090 340 67	−35.749 465 11		31.03	−111.08	−342.47	0.80	0.50	0.83	0.86	0.53	−35	−35	−11	+23	−27	− 5	−19	+50	−12	−48	0	0.41
84490	17 16 23.14	+45 47 39.7	9.00 H		259.096 402 95	+45.794 357 98		3.53	5.16	−9.94	0.78	0.85	0.91	0.89	1.08	+13	+ 2	−15	−24	− 8	−21	−12	−10	+ 1	+ 8	0	1.21
84491	17 16 23.94	−21 51 27.2	7.53 G		259.099 738 79	−21.857 548 88		17.64	−70.30	−164.34	0.94	0.59	1.05	1.09	0.65	− 7	−39	−24	+10	−25	− 4	−12	+53	−12	−33	0	1.57
84492 H	17 16 24.43	+46 43 15.0	8.93 G		259.101 802 45	+46.720 827 55 A		4.36	12.90	−6.11	1.20	1.11	1.12	1.24	1.21	+16	− 4	−20	+ 4	+ 5	− 5	+ 7	−26	+25	+23	0	0.35
84493	17 16 27.20	+54 32 39.3	9.32 H		259.113 352 05	+54.544 255 28		3.11	6.46	−0.16	0.80	0.82	0.85	0.85	1.05	+ 6	+ 2	+ 3	+ 8	+15	+ 1	+20	+19	+ 6	− 7	1	2.08
84494	17 16 27.67	−25 18 19.5	7.14 H		259.115 311 71	−25.305 423 04		6.14	17.76	−8.90	0.82	0.51	0.88	0.95	0.55	−11	−28	−12	+16	−12	− 3	− 8	+42	− 2	−29	0	−0.25
84495	17 16 28.92	+05 07 41.7	7.91 H		259.120 511 35	+05.128 246 83		6.95	8.27	11.07	0.81	0.55	0.96	0.83	0.57	− 7	−36	+16	+18	+32	+ 5	+33	+18	−14	+12	0	0.52
84496	17 16 29.45	+60 40 14.1	6.32 H		259.122 700 11	+60.670 579 50		6.76	−40.83	14.43	0.47	0.51	0.54	0.49	0.53	+10	−26	− 7	−23	−12	+ 9	−15	−37	+11	− 1	0	1.37
84497	17 16 29.87	−27 33 54.9	8.22 H		259.124 448 56	−27.565 244 26		17.05	−71.81	−122.30	0.97	0.56	1.08	1.06	0.59	−11	−27	−18	+ 3	−14	−12	− 7	+33	− 7	−36	2	0.83
84498	17 16 31.12	+18 01 10.9	7.11 H		259.129 661

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
84401	5.540	0.004	5.606	0.004		−0.056	0.005	T	−0.03	0.01	L	5.5889	0.0034	0.028	91		5.57	5.64		U 2 C		1							S P
84402	7.411	0.008	6.122	0.005		1.096	0.004	G	1.06	0.00	H	6.1532	0.0010	0.006	65		6.14	6.16		C	17153−1435 I 1	1 G							S
84403	10.725	0.040	10.017	0.034		0.652	0.043	T	0.72	0.04	L	10.1153	0.0022	0.023	116		10.07	10.16				1							
84404	9.885	0.026	9.017	0.020		0.795	0.002	G	0.84	0.00	H	9.0658	0.0019	0.013	79		9.03	9.09		C		1							
84405	6.109	0.019	5.110	0.008	A	0.855	0.010	G	0.92	0.02	A *	4.4649	0.0009	0.008	75	*	4.46	4.48		D	17155−2635 I 3	2 C A	BA	330	4.736	0.002	0.01	0.01	S D
84406	10.285	0.030	9.015	0.018		1.082	0.027	T	1.04	0.02	L	9.0323	0.0023	0.021	102		9.00	9.07		C		1							
84407	9.668	0.020	8.652	0.015		0.860	0.015	G	0.87	0.01	H	8.7031	0.0017	0.013	87		8.68	8.73		C		1							
84408	9.763	0.018	8.398	0.011		1.156	0.017	T	1.12	0.01	L	8.4408	0.0019	0.018	144		8.41	8.47				1							
84409	6.665	0.005	6.715	0.008		−0.012	0.007	G	0.01	0.01	H	6.7166	0.0037	0.021	87		6.68	6.75	1.52	P 1 A		1							S
84410	9.339	0.023	8.162	0.015		1.009	0.021	T	0.98	0.02	L	8.2261	0.0017	0.013	70		8.20	8.25				1							
84411	8.832	0.010	8.447	0.010		0.364	0.013	T	0.43	0.01	L	8.4906	0.0013	0.012	122		8.47	8.52		C		1							
84412	9.601	0.026	8.376	0.016		1.051	0.012	G	1.02	0.01	H	8.4343	0.0017	0.015	83		8.41	8.47		C		1							
84413	11.101	0.059	9.504	0.024		1.338	0.050	T	1.30	0.06	L	9.5743	0.0023	0.020	94		9.55	9.61		C		1							
84414	9.825	0.026	8.554	0.016		1.058	0.001	G	1.11	0.00	I	8.5844	0.0020	0.019	80		8.55	8.62				1							
84415	8.709	0.010	8.582	0.012		0.123	0.015	T	0.14	0.01	L	8.6214	0.0022	0.018	133		8.60	8.66				1							S
84416	10.865	0.061	10.017	0.045		0.765	0.015	G	0.81	0.01	H	10.0991	0.0032	0.028	86		10.04	10.14		C		1							G
84417	9.563	0.019	8.750	0.015	*	0.734	0.018	T	0.78	0.01	L *	8.8130	0.0027	0.019	86	*	8.79	8.85			17155+1052 H 1	2 C S A	AB	293	0.148	0.017	0.80	0.59	
84418	9.531	0.019	9.542	0.026		0.140	0.005	G	0.15	0.01	H	9.6017	0.0050	0.030	84		9.56	9.64		U		1							
84419	9.288	0.023	8.608	0.020		0.603	0.003	G	0.67	0.00	H	8.6683	0.0015	0.013	72		8.64	8.69				1							
84420	8.616	0.008	8.489	0.009		0.115	0.011	T	0.13	0.01	L	8.5246	0.0016	0.019	190		8.49	8.56				1							
84421	9.774	0.015	8.818	0.011		0.841	0.014	T	0.86	0.01	L	8.8770	0.0021	0.024	171		8.84	8.92				1							
84422	9.123	0.016	7.740	0.010		1.170	0.015	T	1.13	0.01	L	7.7838	0.0011	0.012	95		7.76	7.81				1							S
84423	7.883	0.008	7.399	0.010	*	0.462	0.006	G	0.53	0.01	H *	7.4327	0.0012	0.007	65	*	7.42	7.45		D	17156−1018 I 1	2 C A	AB	197	0.351	0.002	0.16	0.02	S
84424	9.938	0.020	8.697	0.012		1.059	0.018	T	1.03	0.01	L	8.7627	0.0017	0.019	136		8.73	8.80				1							
84425	6.670	0.013	6.015	0.006	*	0.580	0.004	G	0.64	0.02	A *	6.0707	0.0008	0.006	92	*	6.06	6.08		D	17156−3836 I 1	2 C A	AB	236	0.216	0.034	1.59	0.20	S
84426	9.181	0.017	8.603	0.016		0.540	0.021	T	0.61	0.02	L	8.6604	0.0015	0.012	72		8.64	8.69		C		1							
84427	8.319	0.009	6.916	0.005		1.186	0.008	T	1.15	0.01	L	6.9409	0.0010	0.008	132		6.93	6.96		C		1							S
84428	11.317	0.074	9.372	0.023		1.649	0.064	T	2.03	0.14	O	9.2514	0.0021	0.022	87		9.20	9.28				1							
84429	8.233	0.010	7.900	0.011		0.370	0.015	G	0.43	0.02	H	7.9397	0.0028	0.021	96		7.90	7.97		U 2		1							S
84430	7.953	0.010	7.058	0.008	*	0.796	0.010	T	0.83	0.01	L *	7.0828	0.0012	0.008	63	*	7.07	7.09		D	17157−0949 I 1	2 C A	AB	211	0.336	0.003	0.27	0.03	S
84431	7.724	0.005	6.131	0.003		1.335	0.005	T	1.30	0.01	L	6.1450	0.0005	0.007	222		6.13	6.16		C		1							S
84432	8.982	0.013	8.682	0.015		0.285	0.019	T	0.32	0.02	L	8.7168	0.0014	0.014	107		8.70	8.74		C		1							
84433	8.022	0.008	7.702	0.008		0.304	0.011	T	0.35	0.01	L	7.7589	0.0015	0.014	97		7.73	7.79				1							S
84434	6.960	0.006	6.954	0.006		0.028	0.007	G	0.04	0.01	H	6.9534	0.0024	0.018	90		6.93	6.98		U 2		1							S
84435	8.777	0.015	8.691	0.019		0.078	0.022	T	0.09	0.02	L	8.7265	0.0014	0.014	97		8.70	8.75		C		1							
84436	9.584	0.018	8.982	0.017		0.561	0.022	T	0.63	0.02	L	9.0488	0.0021	0.017	78		9.02	9.08		C		1							
84437	8.402	0.013	8.298	0.016	A	0.171	0.049	G	0.11	0.02	L *	8.2752	0.0018	0.013	84	*	8.24	8.30			17158−3203 I 1	2 C B	AB	49	4.037	0.056	3.62	0.11	
84438	9.186	0.016	8.753	0.016		0.423	0.018	T	0.49	0.02	L	8.7886	0.0021	0.015	82		8.77	8.81				1 G							
84439	8.593	0.012	8.609	0.015		−0.010	0.018	T	0.01	0.02	L	8.6303	0.0017	0.015	98		8.60	8.65				1							S
84440	11.150	0.094	9.339	0.032		1.507	0.079	T	1.54	0.12	L	9.2830	0.0037	0.018	65		9.24	9.32				1							
84441	9.377	0.014	7.563	0.007		1.510	0.012	T	1.54	0.02	L	7.5021	0.0019	0.021	120		7.46	7.53		U 2		1							S
84442	9.882	0.033	9.230	0.029		0.597	0.033	T	0.67	0.03	L	9.2498	0.0021	0.018	74		9.22	9.29				1							
84443	10.187	0.029	8.191	0.011		1.654	0.025	T	1.68	0.03	L	8.0842	0.0022	0.019	104		8.06	8.12				1							
84444	6.496	0.004	6.559	0.005	*	−0.015	0.004	G	0.01	0.00	H *	6.5493	0.0007	0.006	98	*	6.54	6.56		D	17158−3344 I 1	2 C S A	AB	293	0.186	0.006	0.61	0.21	S
84445	6.165	0.004	6.193	0.006		−0.027	0.005	G	0.00	0.00	L	6.2000	0.0011	0.008	75		6.19	6.22				1							S
84446	10.100	0.030	9.623	0.030		0.449	0.039	T	0.52	0.04	L	9.6604	0.0031	0.036	102		9.58	9.70		U 2		1							
84447	8.477	0.008	8.466	0.010		0.015	0.012	T	0.03	0.01	L	8.4850	0.0013	0.015	177		8.46	8.52		C		1							
84448	11.783	0.111	10.108	0.041		1.408	0.099	T	1.69	0.25	L	10.1782	0.0031	0.024	77		10.14	10.22		C		1							G
84449	7.876	0.009	7.790	0.011		0.084	0.013	T	0.10	0.01	L	7.8034	0.0014	0.009	71		7.79	7.82				1							S
84450	10.337	0.040	9.725	0.037		0.568	0.040	T	0.64	0.04	L	9.8404	0.0027	0.021	63		9.81	9.87		C		1							G
84451	10.005	0.031	9.629	0.034	A	0.367	0.040	T	0.43	0.04	L	9.6818	0.0244	0.047	70	A	9.64	9.78			17159−1330 H 1	2 C D	AB	236	12.582	0.045	2.06	0.18	G D
84452	11.881	0.173	10.442	0.071		1.273	0.005	G	1.45	0.01	I	10.3260	0.0044	0.030	79		10.28	10.38		C		1							G
84453	9.343	0.015	7.961	0.009		1.169	0.014	T	1.13	0.01	L	8.0186	0.0012	0.011	117		8.00	8.04		C		1							
84454						1.550	0.020	G	1.62	0.03	I	10.9087	0.0037	0.039	69		10.80	10.97				1							G
84455	8.110	0.007	6.705	0.004		1.187	0.006	T	1.15	0.01	L	6.7410	0.0010	0.012	168		6.73	6.76		M		1							S
84456	9.258	0.020	7.599	0.010		1.387	0.018	T	1.36	0.02	L	7.5840	0.0013	0.010	80		7.57	7.60		C		1							
84457	9.718	0.027	7.995	0.013		1.438	0.024	T	1.43	0.04	L	7.9841	0.0018	0.011	64		7.97	8.00				1 G							
84458	11.462	0.053	10.869	0.051		0.553	0.065	T	0.63	0.06	L	10.8793	0.0026	0.032	186		10.82	10.93		C		1							G
84459	8.216	0.013	7.756	0.010		0.480	0.003	G	0.55	0.00	H	7.7994	0.0011	0.010	68		7.78	7.82		D		1							S
84460						1.773	0.200	G	3.07	0.54	I	10.8996	0.0044	0.040	88		10.84	10.98				1							G
84461	7.720	0.006	6.693	0.005		0.898	0.005	G	0.90	0.00	H	6.7399	0.0010	0.007	125		6.73	6.75		C		1							S
84462	9.024	0.016	8.603	0.016	*	0.398	0.021	T	0.46	0.02	L *	8.9597	0.0023	0.022	172	*	8.92	9.00		D	17160−6819 I 1	2 C A	AB	207	2.668	0.009	1.57	0.03	
84463	10.232	0.042	9.829	0.046		0.394	0.052	T	0.46	0.06	L	9.8786	0.0031	0.023	55		9.85	9.93		C		1							G
84464	8.847	0.012	8.545	0.012		0.287	0.016	T	0.33	0.02	L	8.5897	0.0016	0.014	116		8.57	8.62		C		1							S
84465	7.274	0.007	6.868	0.006	*	0.385	0.015	G	0.45	0.02	H *	6.9345	0.0021	0.018	108	*	6.91	6.97		U 2	17161+6043 I 1	2 C A	AB	113	9.812	0.018	3.28	0.09	S
84466	10.291	0.046	9.585	0.040		0.540	0.020	G	0.61	0.02	H	9.7031	0.0028	0.021	63		9.67	9.73		C		1							G
84467	11.280	0.102	10.675	0.103		0.687	0.003	G	0.74	0.00	H	10.6826	0.0052	0.039	66		10.60	10.74				1							G
84468	10.338	0.024	9.487	0.019		0.763	0.023	T	0.80	0.02	L	9.5446	0.0029	0.038	176		9.48	9.60		R	17161+2316 I 1	1 G							
84469	10.350	0.030	9.829	0.029		0.489	0.038	T	0.56	0.04	L	9.9233	0.0032	0.030	105		9.88	9.98		C		1							
84470	10.308	0.031	8.750	0.015		1.308	0.027	T	1.27	0.03	L	8.8008	0.0016	0.013	111		8.78	8.83		C		1							
84471	9.623	0.024	9.077	0.023		0.518	0.025	T	0.59	0.03	L	9.1253	0.0023	0.016	70		9.10	9.17		C		1							
84472	10.264	0.026	9.054	0.016		1.035	0.024	T	1.01	0.02	L	9.1083	0.0022	0.021	124		9.08	9.14				1							
84473	9.721	0.027	9.177	0.026		0.517	0.028	T	0.59	0.03	L	9.2097	0.0034	0.022	65		9.17	9.26				1							
84474	9.425	0.015	9.158	0.017		0.254	0.021	T	0.29	0.03	L	9.2015	0.0019	0.018	123		9.17	9.23		C		1							
84475	8.310	0.010	8.244	0.013		0.060	0.015	T	0.07	0.01	L	8.2905	0.0017	0.012	88		8.27	8.30				1							
84476	12.053	0.238	10.712	0.113		1.030	0.015	G	1.08	0.02	I	10.6175	0.0041	0.037	64		10.56	10.67				1 S							G
84477	8.176	0.008	6.920	0.006		1.071	0.008	T	1.04	0.01	L	6.9749	0.0017	0.012	103		6.96	7.00		M		1							S
84478						1.144	0.020	G	1.28	0.02	A	6.4408	0.0011	0.009	69		6.43	6.46			17155−2635 I 3	1							S
84479	6.436	0.004	6.208	0.004		0.235	0.021	G	0.23	0.04	D	6.2383	0.0008	0.008	119		6.23	6.36	7.70	P 1 A		1							S
84480	8.970	0.013	8.589	0.014		0.340	0.015	G	0.40	0.02	H	8.6479	0.0017	0.020	110		8.60	8.68		C		1							
84481	8.966	0.016	6.779	0.007		1.790	0.015	G	1.80	0.09	H	6.6177	0.0039	0.027	63		6.57	6.65		U 2		1 S							S P
84482	9.685	0.014	8.209	0.008		1.243	0.013	T	1.20	0.01	L	8.2234	0.0015	0.018	186		8.19	8.26			17163−7233 I 1	1							
84483	6.969	0.010	6.910	0.013	A	0.130	0.015	G	0.14	0.01	H *	6.8080	0.0024	0.019	66	*	6.76	6.84		U 2	17163−4220 I 1	2 C A	AB	170	1.651	0.006	2.04	0.04	S
84484	12.116	0.181	10.281	0.055		1.526	0.150	T	1.57	0.22	L	10.1631	0.0036	0.025	73		10.11	10.22				1 X S							G G
84485	10.570	0.044	8.618	0.016		1.619	0.037	T	1.64	0.04	L	8.5914	0.0023	0.014	78		8.56	8.62		C		1 S							
84486	10.401	0.042	9.799	0.040		0.560	0.043	T	0.63	0.04	L	9.8446	0.0026	0.018	82		9.81	9.87		C		1							G
84487	12.163	0.216	10.484	0.074		1.429	0.188	T	2.90	0.17	S	10.4075	0.0073	0.041	70		10.33	10.46		R		1							G
84488	7.773	0.007	7.753	0.010		0.002	0.004	G	0.02	0.00	H	7.7756	0.0010	0.011	101		7.76	7.79		C		1							S
84489	6.656	0.005	6.145	0.004		0.479	0.007	G	0.56	0.02	A	6.2014	0.0006	0.005	83		6.19	6.22			17164−3545 I 1	1							S
84490	10.235	0.029	9.099	0.019		0.977	0.027	T	0.96	0.02	L	9.1683	0.0019	0.021	117		9.13	9.20		C		1							
84491	8.345	0.012	7.599	0.009		0.665	0.011	G	0.73	0.01	H	7.6671	0.0009	0.008	77		7.65	7.68		C		1							S
84492	9.300	0.018	8.926	0.019	*	0.341	0.015	G	0.40	0.02	H *	9.0068	0.0020	0.017	97	*	8.98	9.05		D	17164+4643 H 1	2 C A	AB	58	0.640	0.022	3.13	0.12	
84493	9.771	0.020	9.332	0.020		0.414	0.026	T	0.48	0.03	L	9.4130	0.0023	0.021	109		9.39	9.46				1							
84494	8.676	0.012	7.274	0.007		1.185	0.011	T	1.15	0.01	L	7.3069	0.0011	0.008	86		7.29	7.33		C		1							S
84495	8.309	0.010	7.942	0.010		0.348	0.013	T	0.41	0.02	L	7.9933	0.0015	0.013	105		7.97	8.02		C		1							S
84496	7.724	0.006	6.443	0.004		1.090	0.006	T	1.05	0.01	L	6.4881	0.0010	0.008	104		6.48	6.50				1							S P
84497	8.943	0.014	8.279	0.013		0.594	0.015	G	0.66	0.01	H	8.3494	0.0015	0.011	83		8.33	8.37		C		1							
84498	7.051	0.005	7.100	0.007		−0.040	0.008	T	−0.02	0.01	L	7.1009	0.0010	0.009	93		7.08	7.12		C		1							S
84499	9.034	0.011	8.857	0.013		0.170	0.016	T	0.19	0.02	L	8.9156	0.0026	0.025	149		8.88	8.97				1							
84500	5.930	0.005	5.905	0.007		0.023	0.008	T	0.04	0.01	L	5.9080	0.0034	0.074	88		5.89	6.32	1.68	P 1 A	17165+0113 I 1	1 S							S

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19 20 21 22 23 24 25 26 27 28	29	30
*84501	17 16 32.62	−29 43 51.3	9.04	G	259.135 903 72	−29.730 918 62	3.35	−24.14	−41.91	1.43	0.72	1.69	1.75	0.79	+ 2 −28 − 6 +13 − 8 −18 + 2 +28 −32 + 7	0	−0.66
*84502	17 16 32.60	−61 25 24.7	8.40	G	259.135 816 75	−61.423 518 63	9.61	−1.99	−26.89	0.71	0.69	1.14	0.77	0.68	−14 −22 + 5 −20 −20 +16 −18 − 7 − 2 −13	0	−1.03
*84503	17 16 32.81	+10 24 47.4	9.01	H	259.136 703 79	+10.413 156 10	1.41	−0.09	3.95	1.22	0.90	1.34	1.18	0.98	+40 −38 − 8 +46 +45 −10 +46 +39 −10 +44	0	−0.47
*84504	17 16 32.80	+27 40 59.6	8.84	2 H	259.136 663 56	+27.683 231 51	3.48	5.55	−0.42	0.67	0.84	1.21	0.84	1.08	+ 7 −10 + 2 − 1 − 4 −21 − 1 + 5 −30 +19	0	0.77
*84505	17 16 33.19	+84 22 40.9	8.77	H	259.138 305 34	+84.378 031 55	2.70	−7.81	1.13	0.63	0.66	0.72	0.69	0.76	+ 9 −19 + 3 −10 + 1 +10 − 1 +16 + 0 +16	0	−0.85
*84506 H	17 16 33.17	+14 40 27.2	8.28	G	259.138 204 64	+14.674 215 20 A	11.39	14.76	−82.35	1.43	1.35	1.77	1.17	1.40	+ 9 −28 − 9 +18 +33 − 9 +43 − 7 −14 +26	1	−0.86
84507	17 16 33.38	−51 46 20.7	10.30	H	259.139 077 01	−51.772 424 33	4.55	−27.79	−63.81	1.76	1.21	2.05	2.11	1.27	− 9 −19 − 2 − 1 +20 +12 +19 − 5 −10 −11	0	1.79
84508 H	17 16 34.64	−55 18 37.7	8.66	H	259.144 330 54	−55.310 471 71 A	6.45	5.01	4.45	4.08	3.14	4.21	4.41	2.59	−69 − 8 − 1 + 0 −13 + 5 −10 +14 +12 −35	1	0.00
84509	17 16 35.37	−17 56 47.0	10.09	2 G	259.147 372 59	−17.946 397 19	2.56	3.30	−7.67	1.92	1.38	2.04	2.18	1.49	−24 −32 −16 +20 −46 +10 −32 +64 −17 −42	5	−0.50
84510	17 16 35.70	−74 31 58.4	6.24	G	259.148 746 21	−74.532 880 68	10.06	−23.89	−52.40	0.36	0.46	0.57	0.39	0.56	+ 4 −15 + 3 − 6 −11 − 8 −10 −20 −14 − 1	0	1.64
84511	17 16 36.00	+52 47 04.3	7.49	H	259.150 013 53	+52.784 527 77	2.32	−4.54	−17.58	0.55	0.56	0.59	0.62	0.64	+11 −16 −12 +20 +18 − 3 +19 + 3 + 6 +22	1	0.38
84512	17 16 36.44	+26 34 29.7	10.30	H	259.151 840 84	+26.574 914 61 C	10.77	−43.28	−38.61	19.21	24.79	18.00	13.57	23.34	+ 4 −21 − 4 − 4 + 4 + 4 +11 +16 −17 −11	0	−0.33
84513	17 16 36.52	+26 34 47.3	8.81	G	259.152 162 25	+26.579 794 97 A	2.49	−19.00	1.73	1.93	2.46	2.63	2.06	3.38	+ 3 −16 − 5 − 5 + 4 + 4 +11 +10 −20 −14	0	−0.33
84514 H	17 16 36.71	−00 26 42.5	4.72	G	259.152 940 04	−00.445 141 92 A	14.97	−33.09	−63.92	0.77	0.64	0.72	0.90	0.65	−32 −17 − 8 +43 −26 −11 −23 +61 −10 −42	0	−0.37
84515	17 16 36.98	+03 24 30.3	8.27	G	259.154 092 08	+03.408 406 79	11.72	−60.05	20.20	1.04	0.65	1.12	1.25	0.66	+32 − 4 + 4 +35 +47 +10 +44 +25 + 1 +41	0	−2.25
84516 H	17 16 37.60	+71 36 06.0	8.81	H	259.156 668 67	+71.601 667 40 A	3.97	−5.65	13.72	1.10	1.11	0.93	0.93	1.05	+ 1 + 5 − 4 + 6 +16 − 7 +19 +26 −13 +12	2	−0.48
*84517	17 16 39.13	+03 24 09.3	10.52	H	259.163 045 11	+03.402 591 55	−9.59	−9.66	−4.29	10.79	7.48	12.96	12.97	7.41	+10 −21 −14 +10 +40 − 6 +37 −16 − 4 +22	3	
*84518	17 16 38.65	+44 17 57.8	9.51	H	259.161 058 36	+44.299 387 38	0.02	−3.80	8.63	0.82	0.96	1.00	0.93	1.14	+ 5 −17 −17 + 9 +17 −11 +16 −14 +10 + 9	0	1.11
*84519	17 16 38.92	−60 57 22.6	7.43	H	259.162 150 21	−60.956 266 84	3.63	−10.94	−11.68	0.65	0.53	0.90	0.70	0.54	− 5 − 7 − 3 −31 −21 + 5 −19 −17 − 1 − 7	0	1.92
84520	17 16 39.16	+50 36 22.3	8.05	H	259.163 154 57	+50.606 203 67	24.55	−1.97	111.74	0.59	0.68	0.67	0.70	0.85	+ 3 − 4 −11 + 2 +25 + 2 +25 − 6 + 4 − 9	0	0.72
84521	17 16 41.15	+08 03 30.8	11.49	G	259.171 438 40	+08.058 554 70	66.92	−280.74	−67.09	2.34	1.89	2.86	2.68	2.06	+18 −12 +20 +36 +41 + 6 +40 +37 − 1 +34	0	0.44
84522	17 16 41.30	−17 09 05.8	10.34	H	259.172 089 24	−17.151 603 80 B	10.62	−10.49	−8.36	25.42	15.65	11.47	22.91	11.89	− 3 −26 − 9 − 9 −26 − 6 −18 +29 −20 + 1	18	1.51
84523	17 16 42.44	−17 09 11.5	9.43	H	259.176 812 55	−17.153 180 67 A	7.60	21.69	−15.39	5.16	3.59	4.22	6.27	3.81	−14 −20 −15 + 9 −28 − 3 −22 +47 −24 − 3	18	1.51
84524	17 16 42.75	−06 14 41.8	6.08	G	259.178 137 21	−06.244 956 90	8.01	−8.86	−7.58	0.78	0.55	0.83	0.95	0.66	−36 −22 − 4 +50 −23 +12 −18 +66 −22 −39	0	2.25
84525	17 16 44.00	+83 42 01.0	8.30	H	259.183 322 80	+83.700 273 94	2.88	−7.85	22.31	0.61	0.62	0.66	0.64	0.76	+10 −30 − 2 + 2 + 5 − 1 + 5 +37 −10 +17	0	1.02
84526	17 16 44.23	−17 54 52.5	7.38	H	259.184 294 38	−17.914 589 35	5.53	−5.24	−33.23	0.99	0.73	1.03	1.15	0.81	−30 −26 − 4 +23 −40 + 0 −31 +62 −11 −41	0	0.14
84527	17 16 45.29	+02 59 08.9	9.41	H	259.188 695 11	+02.985 803 05	5.45	20.20	−0.54	1.21	0.80	1.37	1.39	0.81	+ 8 + 1 − 9 +13 +50 − 2 +46 + 5 + 7 +13	3	−0.09
84528	17 16 47.73	−37 24 33.8	8.78	H	259.198 891 98	−37.409 386 93	−0.49	2.12	9.16	1.16	0.67	1.18	1.47	0.72	+12 −22 + 4 +36 +21 +17 +18 +51 + 0 +17	0	0.62
84529	17 16 48.31	−50 39 25.3	9.19	H	259.201 278 56	−50.657 038 30	10.77	−80.06	−126.26	1.23	0.79	1.33	1.51	0.80	− 3 −14 − 3 − 2 +22 − 1 +18 + 1 − 3 − 3	0	−0.03
84530	17 16 48.53	+49 41 28.3	7.53	G	259.202 197 65	+49.691 204 16	3.47	19.61	12.34	0.53	0.63	0.64	0.56	0.70	+ 9 − 8 + 6 + 8 +10 − 4 + 9 + 0 +15 + 5	0	2.58
84531	17 16 49.78	+48 03 30.4	10.51	H	259.207 436 68	+48.058 456 51	1.35	−2.11	−4.74	1.07	1.18	1.22	1.23	1.74	+15 −20 −11 − 6 − 3 − 2 − 8 −25 + 9 + 0	1	−1.72
84532	17 16 54.02	+39 28 05.2	7.48	H	259.225 091 04	+39.468 119 03	13.88	−40.12	146.03	0.50	0.54	0.62	0.53	0.64	− 3 − 4 − 6 − 2 +13 −16 +13 − 3 + 1 −10	0	−2.27
84533	17 16 54.32	−30 21 05.0	7.27	1 H	259.226 314 07	−30.351 395 62	15.15	−2.58	−10.90	0.95	0.53	1.10	0.98	0.55	−17 −27 −17 − 4 −23 − 2 − 9 +30 −29 −35	2	1.58
84534	17 16 54.37	−56 39 57.6	9.34	H	259.226 536 72	−56.666 005 11	5.32	−7.63	−24.99	0.90	0.80	1.24	1.14	0.91	−31 −16 − 1 − 3 − 5 +21 − 7 +15 + 2 −16	0	−1.22
*84535	17 16 57.26	+89 02 15.8	6.31	2 H	259.238 585 72	+89.037 715 46	3.72	−23.03	−3.07	0.47	0.48	0.53	0.56	0.58	+14 − 3 + 0 −24 − 3 − 6 − 4 − 4 + 6 +20	0	1.72
*84536	17 16 56.40	+20 20 16.3	8.13	H	259.234 986 30	+20.337 860 21	2.50	−4.35	0.50	0.55	0.73	1.15	1.02	1.15	− 2 −15 + 3 +14 +32 − 6 +26 +26 −10 +28	0	−1.45
*84537	17 16 56.81	−02 52 23.6	8.98	H	259.236 698 77	−02.873 228 77	7.08	7.09	14.72	1.23	0.90	1.39	1.58	1.14	−29 − 7 −20 +24 −24 − 5 −18 +54 −18 −44	5	1.44
84538	17 16 57.69	+74 08 48.1	8.29	H	259.240 366 65	+74.146 698 04	3.64	−9.55	32.96	0.61	0.58	0.61	0.60	0.72	+ 3 −16 − 7 −27 + 1 − 7 +10 +29 −14 − 9	0	−0.37
84539	17 16 58.12	−10 53 56.0	8.83	2 H	259.242 160 33	−10.898 885 99	8.53	5.30	−18.12	1.23	0.81	1.46	1.44	0.92	− 2 −25 + 9 +12 −27 −31 −18 +28 − 8 −14	0	−0.92
84540	17 16 58.74	+15 49 14.8	7.41	H	259.244 768 56	+15.820 788 79	5.52	−10.23	−10.91	0.63	0.69	0.96	0.70	0.81	−26 − 2 −14 + 2 +26 +16 +34 −11 − 7 − 3	0	0.77
84541	17 16 59.07	+62 34 40.3	8.04	H	259.246 132 71	+62.577 853 64	19.13	−157.72	118.06	0.59	0.64	0.66	0.67	0.82	+ 4 −19 −25 + 1 − 5 +15 − 4 + 6 + 9 + 4	1	−0.37
84542	17 16 59.87	−30 20 24.0	9.01	G	259.249 449 67	−30.339 999 63	−0.83	−1.92	−12.61	1.42	0.75	1.62	1.79	0.78	−12 −15 −13 + 8 − 8 + 2 − 3 +26 −26 −14	2	0.43
84543	17 16 59.87	−22 28 06.4	9.31	H	259.249 455 49	−22.468 453 25	5.81	8.91	−14.70	1.33	0.82	1.46	1.89	0.89	− 7 −14 +10 + 5 − 8 −12 − 6 +50 − 3 − 2	0	0.19
84544	17 17 00.22	−13 06 04.0	7.62	H	259.250 921 18	−13.101 116 43	5.52	6.34	3.38	1.21	0.88	1.14	1.24	1.05	−42 −42 + 4 +40 −44 + 8 −52 +75 +11 −52	3	2.03
84545 H	17 17 00.57	−17 58 44.7	8.50	H	259.252 395 81	−17.979 076 71 A	2.72	5.39	2.53	2.36	1.59	2.06	2.50	1.66	− 4 −13 + 1 +10 − 9 −13 − 7 +37 − 7 + 9	1	0.29
84546	17 17 00.88	−78 55 33.6	9.17	H	259.253 683 27	−78.926 002 54	7.00	−20.50	−116.48	0.72	0.85	1.07	0.74	1.04	+ 3 −32 − 1 +14 −11 −15 −13 − 1 + 4 + 0	0	0.12
84547	17 17 01.04	−58 26 02.9	9.12	H	259.254 345 22	−58.434 147 42	4.53	0.76	−22.78	0.98	0.80	1.33	1.44	0.96	− 9 −14 − 4 − 9 − 7 +22 − 6 +14 + 8 − 7	0	−0.23
84548	17 17 01.78	+26 42 54.8	7.51	H	259.257 419 34	+26.715 220 89	14.26	−6.86	50.18	0.49	0.66	0.89	0.60	0.93	+ 2 −17 −18 − 3 + 1 − 2 + 8 +20 −30 −11	0	−0.46
84549	17 17 02.50	+08 30 37.8	9.27	H	259.260 430 21	+08.510 490 73	−1.62	−7.53	−4.89	1.18	0.97	1.31	1.35	1.13	+31 −24 + 0 +43 +36 + 3 +36 +61 − 1 +32	0	0.24
84550	17 17 02.64	+15 16 16.9	8.62	G	259.260 984 18	+15.271 361 87	5.79	−3.22	−9.96	0.84	0.81	1.10	0.89	0.97	+13 −19 −20 +26 +27 + 8 +32 + 5 −10 + 2	0	0.69
84551	17 17 03.71	−32 39 45.7	5.53	H	259.265 476 45	−32.662 705 28	19.80	−99.18	−55.48	0.65	0.37	0.72	0.62	0.37	−10 −44 − 9 + 5 −18 −14 −10 +25 − 8 −29	0	0.18
84552	17 17 04.41	−09 11 30.6	9.14	H	259.268 360 57	−09.191 826 39	4.74	−18.58	1.80	1.30	0.81	1.40	1.63	0.97	−25 −44 + 2 − 8 + 1 +11 +10 +28 −12 −45	0	1.25
*84553	17 17 04.66	+14 40 50.8	8.24	H	259.269 428 24	+14.680 782 21	7.41	−14.18	7.05	0.86	0.68	1.08	0.77	0.82	+ 4 −42 −14 +20 +29 + 0 +41 − 5 −23 + 3	0	0.47
*84554	17 17 04.62	−33 16 36.5	8.51	H	259.269 269 86	−33.276 815 76	1.71	−1.23	−1.31	1.00	0.56	1.11	1.00	0.56	− 4 −38 −18 + 4 −30 + 2 −15 +39 −20 −22	0	−2.54
84555	17 17 05.14	+22 20 33.3	9.57	H	259.271 433 10	+22.342 585 94	−0.72	3.37	1.45	0.90	1.12	1.59	1.45	1.67	+ 2 −12 −17 +41 +14 + 0 +11 +16 − 4 −11	0	−0.81
84556	17 17 05.54	−44 46 42.9	6.46	G	259.273 083 05	−44.778 587 05	−0.69	1.55	−3.48	0.70	0.46	0.79	0.75	0.48	−17 −33 − 4 +12 −12 +12 − 6 +15 −15 −24	0	0.00
84557	17 17 06.99	+34 07 30.8	9.21	H	259.279 110 12	+34.125 231 67	4.90	−23.12	−4.60	0.71	0.85	0.98	0.78	1.08	+15 − 1 −12 +21 + 8 − 6 + 7 +11 −10 + 6	0	0.25
84558	17 17 07.41	+82 43 40.3	8.31	H	259.280 880 75	+82.727 849 12	1.89	−9.15	21.91	0.61	0.62	0.67	0.74	0.78	+18 −18 −11 + 1 + 5 −11 + 8 +29 −22 +19	0	0.69
84559	17 17 07.80	+39 58 05.7	7.40	H	259.282 511 50	+39.968 243 34	5.12	−2.44	6.70	0.53	0.55	0.65	0.57	0.63	+ 1 −14 + 4 + 3 +13 −22 +14 − 5 + 5 + 2	0	−1.07
84560	17 17 10.16	+13 08 03.8	6.62	H	259.292 328 22	+13.134 398 13	5.32	0.97	−75.87	0.64	0.56	0.81	0.74	0.65	+ 4 −16 + 5 +20 +32 +13 +34 +15 − 6 +21	0	0.22
84561	17 17 10.81	+25 52 25.7	7.10	H	259.295 047 22	+25.873 810 65	4.35	−1.18	14.72	0.41	0.54	0.77	0.52	0.78	+ 7 −12 −18 −11 + 1 − 5 + 4 +12 −26 + 3	1	2.48
84562	17 17 11.10	+37 36 39.5	8.85	H	259.296 262 45	+37.610 979 25	14.72	42.66	5.61	0.67	0.74	0.86	0.77	0.87	+ 8 + 1 +13 + 8 +13 −12 +16 + 3 + 7 +21	0	−0.03
84563	17 17 11.23	−06 47 07.6	8.26	H	259.296 782 82	−06.785 453 17	6.14	−12.75	−27.75	1.02	0.72	1.06	1.22	0.80	−32 −18 − 3 +51 −17 +23 −16 +67 −18 −34	0	−1.08
84564	17 17 12.79	+46 48 45.2	8.20	H	259.303 310 70	+46.812 568 28	2.19	−0.18	14.25	0.72	0.72	0.83	0.84	0.91	+13 − 7 −21 −25 + 1 −17 − 3 −10 +25 + 0	2	−0.54
84565	17 17 15.40	−50 11 53.3	8.89	H	259.314 148 47	−50.198 141 33	6.36	−4.19	−9.60	1.17	0.75	1.25	1.47	0.76	−12 −18 − 2 + 2 +17 + 1 +14 + 3 − 4 − 5	2	0.62
84566	17 17 15.65	+13 52 07.9	7.85	1 G	259.315 208 44	+13.868 852 57	5.23	−18.55	−7.24	0.79	0.68	1.00	0.84	0.81	+14 −24 − 5 +30 +35 +22 +41 +17 + 0 +23	0	0.83
84567 H	17 17 15.81	−60 16 23.7	9.08	2 H	259.315 893 26	−60.273 251 13 A	3.23	−6.38	−22.42	2.52	2.02	2.76	2.72	1.95	− 1 − 1 −12 −34 −24 +21 −22 −28 + 1 +13	1	0.95
84568	17 17 16.64	+15 10 54.3	8.38	G	259.319 318 07	+15.181 761 50	2.65	−10.38	8.51	0.85	0.74	1.07	0.77	0.89	+24 −19 −20 +22 +34 + 3 +44 +17 −20 +25	0	0.16
84569	17 17 18.10	+64 05 03.7	8.73	H	259.325 420 50	+64.084 363 05	2.14	6.16	−10.31	0.64	0.65	0.68	0.75	0.91	− 4 −18 −10 − 1 − 7 + 9 − 5 +13 + 0 −18	0	0.62
84570	17 17 18.31	−48 27 49.5	10.05	H	259.326 304 73	−48.463 763 58	6.13	9.95	−51.58	1.80	1.20	2.03	2.25	1.27	+ 3 −16 +27 +25 + 7 + 2 + 7 +28 − 4 +22	0	−1.05
84571	17 17 18.58	+36 21 39.3	9.03	H	259.327 424 32	+36.360 917 05	4.24	10.92	−3.50	0.65	0.76	0.87	0.70	0.92	+17 −21 + 2 +16 + 9 −17 +12 + 5 −11 + 8	0	0.25
84572	17 17 19.13	−32 03 56.2	8.14	G	259.329 707 30	−32.065 618 23	16.12	97.07	−108.66	1.01	0.52	1.10	1.07	0.54	−18 −36 − 4 − 9 + 6 −19 +10 +16 − 3 −36	0	−0.73
84573	17 17 19.57	+33 06 00.4	4.80	3 H	259.331 543 72	+33.100 114 19	3.77	−3.68	−5.74	0.41	0.44	0.56	0.50	0.60	+ 6 − 3 −11 + 3 −10 −11 −12 + 4 −18 + 0	0	0.23
84574	17 17 20.50	+25 23 44.4	8.26	G	259.335 427 53	+25.395 653 05	5.37	−4.32	4.19	0.53	0.76	1.11	0.64	1.15	+ 7 + 4 − 8 −14 − 3 −10 − 4 + 6 −39 + 1	1	0.83
84575	17 17 20.56	−63 10 27.7	9.00	H	259.335 649 57	−63.174 365 96	3.98	−7.54	−27.39	0.90	0.89	1.28	1.07	0.96	−13 −19 −17 −10 −24 +23 −17 − 3 −10 −31	0	1.16
84576 H	17 17 20.56	−30 09 52.0	6.96	G	259.335 660 14	−30.164 431 00 A	6.15	−25.34	−7.54	3.50	1.46	1.35	1.27	0.65	+10 −15 − 8 + 5 + 3 + 5 + 1 +17 −28 + 8	0	0.16
84577	17 17 20.86	−66 20 51.9	8.70	H	259.336 923 08	−66.347 739 33	1.52	4.87	−7.40	0.78	0.85	1.32	1.00	1.05	+26 − 8 − 3 +22 −14 +17 −15 +17 +11 +14	0	−1.60
84578	17 17 20.92	−35 32 55.2	8.05	H	259.337 165 39	−35.548 664 77	−1.14	−1.00	−0.88	0.93	0.53	1.01	1.04	0.55	− 6 −30 −21 +12 −14 − 8 − 7 +36 −11 −28	0	0.65
84579	17 17 21.50	+25 01 22.8	8.93	H	259.339 594 54	+25.022 999 82	12.51	−17.90	−119.01	0.59	0.95	1.40	0.69	1.34	+ 6 − 6 + 1 + 5 + 0 − 3 + 3 + 5 −40 + 2	0	1.52
84580	17 17 21.55	−05 07 50.1	8.60	H	259.339 777 63	−05.130 594 73	1.42	−1.05	−3.05	1.06	0.71	1.20	1.28	0.80	−17 −12 +10 +45 +12 − 2 +10 +57 − 6 −13	0	1.65
*84581	17 17 23.46	−07 52 36.6	11.09	H	259.347 732 32	−07.876 836 35 B	100.89	104.16	168.46	81.32	43.98	43.18	50.87	25.95	+ 5 −33 −19 +13 +26 −19 +23 +32 − 7 + 6	4	1.12
*84582	17 17 23.30	−07 52 09.0	8.32	G	259.347 083 15	−07.869 179 84 A	2.36	−17.88	5.31	3.15	2.12	2.71	3.12	1.99	+ 6 −41 − 1 + 4 + 5 −16 + 4 +35 + 4 − 1	4	1.12
*84583	17 17 23.41	−49 11 56.1	9.66	H	259.347 535 27	−49.198 920 13	15.11	59.05	−28.51	1.50	0.95	1.59	1.81	0.94	−21 −23 +17 +33 + 9 + 9 + 4 +21 + 8 − 4	0	−0.40
84584 H	17 17 24.10	+13 18 36.8	7.85	H	259.350 423 68	+13.310 225 87 *	4.48	−2.49	−15.04	0.75	0.72	0.98	0.80	0.81	+ 8 −16 − 6 +27 +43 +10 +47 +17 − 1 +26	0	−0.32
84585	17 17 24.72	+42 28 45.9	8.41	H	259.353 001 81	+42.479 406 33	2.37	25.82	−39.47	0.68	0.75	0.83	0.71	0.94	− 2 − 3 −27 −27 + 7 −19 + 2 −20 +12 −10	3	0.22
84586	17 17 25.54	−66 57 02.5	6.87	2 H	259.356 406 25	−66.950 703 00	31.83	−21.84	−136.47	0.45	0.52	0.74	0.58	0.64	− 7 −15 − 6 +28 −25 + 1 −25 +16 + 3 −17	0	0.76
84587	17 17 26.49	+31 31 06.2	7.07	H	259.360 388 19	+31.518 392 09	3.53	−4.43	−5.25	0.48	0.48	0.64	0.56	0.57	+ 4 −20 − 5 − 4 − 1 −16 − 1 − 2 − 5 +14	0	−1.11
84588	17 17 27.60	−27 46 00.8	7.89	H	259.364 989 53	−27.766 890 10	0.51	−2.48	−0.56	0.99	0.58	1.10	1.07	0.62	− 9 −21 −17 + 2 −26 −13 −14 +40 −11 −40	2	0.62
84589	17 17 29.01	+45 40 26.6	8.51	H	259.370 876 16	+45.674 061 25	5.88	−10.52	10.48	0.65	0.65	0.73	0.84	0.94	+ 5 − 2 −18 −13 + 4 −13 + 2 −11 − 1 +27	0	1.49
84590	17 17 29.26	+55 03 23.0	7.59	H	259.371 920 95	+55.056 380 59	4.87	−54.93	−40.43	0.63	0.59	0.65	0.66	0.72	+ 1 +21 −13 +10 +17 + 2 +23 +11 +19 − 5	0	−0.36
84591	17 17 30.01	−47 06 14.9	8.27	H	259.375 034 17	−47.104 129 61	2.91	−2.13	−8.52	1.03	0.65	1.14	1.27	0.68	−24 −19 + 2 +31 − 9 − 9 − 3 +26 −23 + 0	0	−2.23
84592	17 17 33.60	+06 45 41.7	7.45	H	259.390 002 35	+06.761 596 17	4.29	12.60	−1.09	0.83	0.57	0.92	0.87	0.63	+24 −30 − 9 +50 +36 + 6 +39 +38 −15 +24	0	0.00
84593	17 17 34.35	−25 06 18.5	9.17	H	259.393 119 77	−25.105 130 04	5.22	−3.87	−21.00	1.18	0.74	1.26	1.33	0.81	− 7 −35 −11 +11 −22 + 0 −15 +41 − 6 −22	0	−0.73
84594	17 17 34.60	+04 04 43.3	10.92	G	259.394 161 80	+04.078 693 54	23.02	−194.10	−228.36	1.77	1.23	2.09	1.99	1.30	+25 −27 − 4 +36 +45 −14 +43 +32 − 8 +37	0	0.52
*84595 H	17 17 34.67	+10 24 59.3	8.45	2 H	259.394 470 26	+10.416 462 68 A	12.03	24.94	−41.15	4.09	1.58	1.50	1.44	1.16	+34 −11 −22 +14 +44 −21 +24 +23 − 7 +48	1	0.09
*84596	17 17 34.65	+28 54 47.7	6.88	2 H	259.394 389 10	+28.913 261 73	0.74	−2.04	4.65	0.48	0.55	0.72	0.53	0.64	+ 4 −23 −10 + 0 + 4 − 8 + 5 + 8 −12 + 5	1	4.20
84597	17 17 35.39	+69 19 32.0	9.84	H	259.397 452 58	+69.325 542 45	5.60	−27.42	179.71	1.12	1.14	1.16	1.18	1.31	+ 1 − 5 − 3 −11 +25 −19 +24 +20 +12 + 4	0	−0.47
84598	17 17 35.86	−64 44 55.9	9.47	H	259.399 400 13	−64.748 851 32	4.56	−4.41	9.05	0.82	0.82	1.30	0.93	0.89	+31 − 1 +11 + 8 −20 − 1 −18 +11 + 0 +23	0	−0.07
84599	17 17 35.86	+23 05 26.3	6.25	1 H	259.399 400 50	+23.090 638 32	1.83	−2.93	−4.78	0.42	0.51	0.76	0.52	0.65	+ 5 − 5 + 2 −20 +11 − 8 +11 + 6 −15 +12	0	1.21
84600	17 17 36.98	+01 44 33.1	6.86	H	259.404 090 24	+01.742 520 57	11.59	−24.75	−7.55	0.79	0.48	0.99	0.90	0.48	+ 2 −28 −13 + 5 +42 −27 +38 + 5 −15 +14	0	−0.74

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
84501	9.775	0.025	9.156	0.024		0.590	0.015	G	0.66	0.01	H	9.1891	0.0021	0.017	71		9.16	9.22		C			1							
84502	8.982	0.012	8.454	0.011		0.493	0.001	G	0.57	0.00	H	8.5082	0.0016	0.016	136		8.48	8.54					1							
84503	10.958	0.054	9.160	0.021		1.497	0.046	T	1.52	0.07	L	9.1352	0.0020	0.016	77		9.09	9.16		C			1							
84504	10.696	0.035	9.098	0.015		1.363	0.031	T	2.91	0.05	O	8.7825	0.0058	0.055	146		8.69	8.86		U 2			1 S							
84505	10.023	0.026	8.872	0.016		0.989	0.024	T	0.97	0.02	L	8.9419	0.0016	0.016	128		8.92	8.97		C			1							
84506	9.082	0.018	8.348	0.015	*	0.666	0.005	G	0.73	0.00	H	*	8.3990	0.0015	0.013	80	*	8.37	8.42		D	17166+1440	I 1	2 C C	AB	354	0.691	0.056	3.95	0.33	S
84507	11.593	0.118	10.539	0.076		0.915	0.106	T	0.91	0.08	L		10.4632	0.0050	0.034	85		10.39	10.51		C			1							G
84508	9.683	0.020	9.008	0.018	A	0.700	0.495	G	0.70	0.06	L	*	8.7928	0.0018	0.021	101	*	8.76	8.84		D	17166−5519	I 1	2 C A	AB	163	1.224	0.016	0.44	0.02	
84509	12.254	0.243	10.313	0.064		1.540	0.020	G	1.59	0.04	H		10.1775	0.0042	0.039	70		10.11	10.26		U			1							G
84510	6.240	0.003	6.230	0.003		−0.004	0.001	G	0.02	0.00	H		6.2447	0.0007	0.007	174		6.23	6.26					1							S
84511	8.824	0.010	7.605	0.007		1.042	0.010	T	1.01	0.01	L		7.6624	0.0012	0.012	109		7.64	7.69					1							S
84512	11.069	0.054	10.390	0.046	C	0.628	0.059	T	0.70	0.05	L		10.7069	0.0826			C				D	17166+2635	I 2	1 C I B							D
84513	9.590	0.017	8.844	0.014	A	0.720	0.015	G	0.77	0.01	H		8.9040	0.0182	0.055	161	A	8.82	9.00		D	17166+2635	I 2	1 C P B							D
84514	6.242	0.005	4.867	0.003	*	1.119	0.053	G	1.09	0.02	A	*	4.8905	0.0007	0.005	82	*	4.88	4.90		D	17166−0027	I 1	2 C A	AB	0	0.973	0.005	2.48	0.02	S
84515	8.800	0.011	8.325	0.011		0.500	0.015	G	0.57	0.02	H		8.3691	0.0012	0.013	110		8.35	8.40		D	17166+0324	I 2	1							S
84516	9.000	0.014	8.839	0.016	*	0.155	0.020	T	0.17	0.02	L	*	8.8670	0.0014	0.014	102	*	8.84	8.89		D	17166+7136	H 1	2 C A	AB	137	0.541	0.026	3.27	0.09	
84517	12.048	0.140	10.720	0.065							T		10.6628	0.0065	0.053	108		10.57	10.76		D	17166+0324	I 2	1 X S							G G
84518	11.011	0.050	9.632	0.025		1.167	0.044	T	1.13	0.04	L		9.6797	0.0024	0.021	118		9.64	9.72		C			1							
84519	7.391	0.005	7.428	0.007		−0.031	0.007	T	−0.01	0.01	L		7.4256	0.0013	0.012	141		7.40	7.45					1							S
84520	8.852	0.013	8.114	0.011		0.676	0.014	T	0.74	0.01	L		8.1845	0.0014	0.014	110		8.15	8.21					1 G							S
84521						1.517	0.012	G	2.20	0.09	I		11.5409	0.0060	0.042	79		11.48	11.60					1							G
84522	10.810	0.067	10.396	0.081	B	0.391	0.097	T	0.46	0.11	L		10.7543	0.0595			B				D	17167−1709	I 2	1 C I A							
84523	10.892	0.080	9.524	0.039	A	1.158	0.070	T	1.12	0.06	L		9.5991	0.0334	0.117	71	A	9.38	9.73		D	17167−1709	I 2	1 C P A							
84524	7.491	0.005	6.204	0.003		1.100	0.000	G	1.06	0.00	H		6.2445	0.0006	0.006	120		6.23	6.25		C			1							S
84525	8.472	0.009	8.318	0.011		0.128	0.015	G	0.14	0.01	H		8.3522	0.0011	0.014	115		8.33	8.38		C			1							S
84526	8.801	0.014	7.479	0.009		1.122	0.013	T	1.08	0.01	L		7.5452	0.0014	0.012	74		7.53	7.57		C			1							S
84527	9.993	0.020	9.475	0.020		0.486	0.026	T	0.56	0.03	L		9.5166	0.0024	0.023	131		9.49	9.55		C	17168+0259	I 1	1 S							
84528	10.923	0.063	8.980	0.019		1.612	0.052	T	1.63	0.05	L		8.9009	0.0026	0.015	81		8.87	8.92					1							
84529	9.969	0.028	9.251	0.025		0.646	0.028	T	0.71	0.03	L		9.3182	0.0018	0.014	82		9.29	9.35		D			1							
84530	8.814	0.011	7.630	0.008		1.035	0.020	G	1.01	0.02	H		7.7080	0.0034	0.023	111		7.67	7.74		R			1							S
84531	11.679	0.099	10.543	0.058		0.977	0.089	T	0.96	0.07	L		10.6662	0.0042	0.030	100		10.61	10.71		C			1							G
84532	8.045	0.009	7.534	0.007		0.480	0.010	T	0.55	0.01	L		7.5898	0.0010	0.009	131		7.57	7.61		C			1							S
84533	7.651	0.009	7.304	0.009		0.336	0.011	T	0.39	0.01	L		7.3487	0.0028	0.019	74		7.32	7.38		U 2			1							S
84534	10.006	0.026	9.398	0.024		0.565	0.026	T	0.64	0.02	L		9.4636	0.0019	0.019	101		9.41	9.50					1							
84535	8.369	0.012	6.520	0.007		1.575	0.005	G	2.07	0.05	F		6.3878	0.0032	0.030	105		6.35	6.45		U 2 C	17169+8902	I 1	1 S							S P
84536	9.686	0.013	8.255	0.007		1.208	0.012	T	1.17	0.01	L		8.2967	0.0012	0.017	187		8.27	8.32		C			1							
84537	9.880	0.024	9.090	0.019		0.717	0.024	T	0.77	0.02	L		9.1289	0.0017	0.016	67		9.10	9.16		C			1							
84538	9.612	0.017	8.386	0.011		1.047	0.016	T	1.02	0.01	L		8.4563	0.0013	0.011	106		8.44	8.48		C			1							
84539	9.479	0.024	8.889	0.022		0.551	0.029	T	0.62	0.03	L		8.9479	0.0062	0.034	55		8.90	8.99		U			1							
84540	8.763	0.012	7.532	0.008		1.051	0.011	T	1.02	0.01	L		7.5768	0.0010	0.010	104		7.56	7.59		C			1							S
84541	8.946	0.013	8.099	0.010		0.744	0.013	T	0.79	0.01	L		8.1826	0.0011	0.012	107		8.16	8.20		C			1							
84542	9.568	0.031	9.050	0.030		0.480	0.015	G	0.55	0.02	H		9.1314	0.0034	0.019	64		9.11	9.16					1							
84543	10.153	0.032	9.406	0.027		0.668	0.032	T	0.73	0.03	L		9.4424	0.0024	0.019	84		9.42	9.48		C			1							
84544	8.826	0.015	7.748	0.011		0.933	0.014	T	0.93	0.01	L		7.7772	0.0016	0.010	66		7.76	7.80		C			1 G							S
84545	9.630	0.036	8.807	0.029	*	0.742	0.035	T	0.79	0.03	L	*	8.6419	0.0023	0.015	75	*	8.61	8.68		D	17170−1759	I 1	2 C A	AB	51	1.072	0.009	0.96	0.03	
84546	9.690	0.017	9.224	0.017		0.429	0.003	G	0.50	0.00	H		9.2625	0.0017	0.019	129		9.24	9.30		C			1							
84547	9.897	0.027	9.215	0.023		0.630	0.029	T	0.70	0.03	L		9.2514	0.0023	0.020	91		9.22	9.29		C			1							
84548	7.990	0.007	7.550	0.006		0.415	0.008	T	0.48	0.01	L		7.6053	0.0010	0.012	158		7.59	7.63					1							S
84549	9.496	0.018	9.324	0.022		0.303	0.004	G	0.35	0.01	H		9.3414	0.0031	0.022	80		9.29	9.38		C			1							
84550	8.905	0.015	8.663	0.017		0.243	0.015	G	0.27	0.02	H		8.6912	0.0020	0.013	79		8.67	8.72					1							
84551	6.127	0.005	5.586	0.004		0.514	0.005	T	0.59	0.01	L		5.6419	0.0007	0.005	86		5.63	5.65					1							S
84552	10.748	0.062	9.313	0.031		1.211	0.054	T	1.17	0.05	L		9.3078	0.0027	0.015	50		9.29	9.33		C			1 S							
84553	8.859	0.014	8.305	0.013		0.500	0.015	G	0.57	0.02	H		8.3550	0.0012	0.009	80		8.34	8.37		C			1							S
84554	8.626	0.013	8.521	0.016		0.102	0.019	T	0.12	0.02	L		8.5538	0.0011	0.012	87		8.53	8.57					1							
84555	10.819	0.043	9.638	0.025		1.012	0.039	T	0.99	0.03	L		9.7392	0.0020	0.025	130		9.69	9.80		C			1							
84556	6.703	0.005	6.507	0.006		0.187	0.007	T	0.36	0.02	A		6.5328	0.0011	0.008	82		6.52	6.55					1							S
84557	9.602	0.017	9.243	0.018		0.340	0.023	T	0.40	0.03	L		9.2972	0.0020	0.021	123		9.26	9.35					1							
84558	8.354	0.009	8.298	0.011		0.056	0.013	T	0.07	0.01	L		8.3330	0.0014	0.011	103		8.31	8.35		C			1							S
84559	8.625	0.009	7.496	0.006		0.972	0.008	T	0.96	0.01	L		7.5643	0.0012	0.012	124		7.54	7.59					1							S
84560	8.171	0.011	6.756	0.006		1.195	0.010	T	1.15	0.01	L		6.7819	0.0012	0.009	76		6.77	6.80		C			1							S
84561	7.212	0.004	7.109	0.005		0.100	0.006	T	0.11	0.01	L		7.1436	0.0009	0.010	178		7.13	7.16		C			1							S
84562	9.550	0.026	8.903	0.023		0.600	0.030	T	0.67	0.03	L		8.9761	0.0016	0.019	118		8.95	9.01					1							
84563	8.685	0.011	8.302	0.011		0.363	0.014	T	0.42	0.01	L		8.3421	0.0017	0.011	98		8.33	8.36		C			1							
84564	9.372	0.018	8.301	0.013		0.927	0.017	T	0.92	0.01	L		8.3577	0.0022	0.019	92		8.33	8.39					1							S
84565	9.532	0.025	8.933	0.023		0.558	0.025	T	0.63	0.02	L		9.0074	0.0025	0.018	77		8.98	9.03		C			1							
84566	8.283	0.011	7.894	0.012		0.401	0.007	G	0.47	0.01	H		7.9435	0.0017	0.017	89		7.92	7.98		M			1							S
84567	9.889	0.028	8.989	0.020	*	0.800	0.025	T	0.83	0.02	L	*	9.2270	0.0029	0.038	148	*	9.19	9.37		U 2	17173−6016	I 1	2 C A	AB	40	3.953	0.007	0.86	0.04	
84568	8.363	0.012	8.395	0.015		−0.020	0.015	G	0.00	0.01	H		8.3828	0.0018	0.012	76		8.36	8.41		C			1							S
84569	10.332	0.027	8.853	0.014		1.245	0.024	T	1.20	0.02	L		8.8961	0.0016	0.014	117		8.87	8.92					1							
84570	10.907	0.062	10.161	0.057		0.682	0.067	T	0.74	0.06	L		10.1913	0.0045	0.032	73		10.15	10.24		C			1							G
84571	9.366	0.016	9.097	0.017		0.256	0.022	T	0.29	0.03	L		9.1043	0.0021	0.021	111		9.07	9.14		C			1							
84572	8.919	0.015	8.218	0.013		0.644	0.006	G	0.71	0.01	H		8.2741	0.0014	0.010	87		8.25	8.29		C			1							
84573	4.587	0.008	4.779	0.009		−0.166	0.011	T	−0.17	0.01	L		4.7404	0.0069	0.094	128		4.70	5.07	2.05	P 1 A	17173+3306	I 1	1 S							S
84574	8.749	0.009	8.302	0.009		0.422	0.012	T	0.49	0.01	L		8.3501	0.0020	0.020	171		8.32	8.39					1							S
84575	10.578	0.037	9.128	0.018		1.223	0.032	T	1.18	0.03	L		9.1594	0.0018	0.020	115		9.12	9.19		C			1							
84576	7.962	0.011	7.075	0.009	*	0.820	0.015	G	0.84	0.01	H	*	7.1015	0.0017	0.010	74	*	7.09	7.13		D	17173−3010	I 1	2 C A	AB	256	0.332	0.007	0.82	0.06	S
84577	10.116	0.020	8.804	0.011		1.114	0.018	T	1.08	0.02	L		8.8687	0.0022	0.019	141		8.84	8.91					1							
84578	8.759	0.014	8.120	0.013		0.594	0.017	T	0.66	0.02	L		8.1747	0.0019	0.015	85		8.15	8.20					1							
84579	9.785	0.017	8.987	0.013		0.710	0.015	G	0.76	0.01	H		9.0652	0.0022	0.025	191		9.03	9.12					1							
84580	9.164	0.013	8.634	0.012		0.497	0.016	T	0.57	0.02	L		8.7049	0.0012	0.012	113		8.68	8.73		C			1							
84581											T		11.6201	0.2391			B				D	17174−0752	I 2	1 C I D							D
84582	10.384	0.045	8.411	0.017	A	1.329	0.243	G	1.47	0.08	L		8.3456	0.0163	0.014	63	A	8.32	8.36		D	17174−0752	I 2	1 C P D							D
84583	10.537	0.044	9.769	0.037		0.684	0.044	T	0.74	0.04	L		9.7931	0.0032	0.016	77		9.77	9.82		C			1							G
84584	8.116	0.010	7.884	0.012	*	0.221	0.015	T	0.24	0.02	L	*	7.9182	0.0016	0.013	79	*	7.89	7.94		D	17174+1319	H 1	2 C S D	AB	28	0.112	0.008	0.23	0.56	S D
84585	9.774	0.018	8.512	0.011		1.075	0.016	T	1.04	0.01	L		8.5784	0.0019	0.017	111		8.55	8.61		C			1							
84586	7.877	0.008	6.960	0.005		0.798	0.007	T	0.83	0.01	L		7.0114	0.0036	0.037	156		6.97	7.09		U 2	17175−6657	I 1	1							S P
84587	6.908	0.004	7.040	0.005		−0.115	0.006	T	−0.10	0.01	L		7.0364	0.0009	0.010	138		7.02	7.05					1							S
84588	8.454	0.013	7.993	0.011		0.523	0.027	G	0.72	0.02	A		8.0209	0.0020	0.013	78		7.99	8.06					1							S
84589	8.670	0.010	8.517	0.012		0.147	0.015	T	0.16	0.01	L		8.5588	0.0017	0.014	117		8.54	8.58		C			1							
84590	9.194	0.016	7.722	0.009		1.240	0.014	T	1.20	0.01	L		7.7516	0.0013	0.013	111		7.73	7.78					1							S
84591	9.994	0.034	8.416	0.017		1.323	0.030	T	1.28	0.04	L		8.4209	0.0016	0.012	76		8.40	8.45					1							
84592	9.466	0.017	7.598	0.008		1.553	0.015	T	1.57	0.01	L		7.5700	0.0013	0.011	94		7.55	7.59		C			1							S
84593	9.644	0.021	9.223	0.023		0.411	0.025	T	0.48	0.03	L		9.2604	0.0020	0.016	80		9.23	9.28		C			1							
84594	12.217	0.192	10.908	0.094		1.176	0.008	G	1.29	0.01	I		11.0254	0.0041	0.038	98		10.94	11.09		C			1							G
84595	9.344	0.020	8.538	0.016	*	0.729	0.020	T	0.78	0.01	L	*	8.5927	0.0036	0.034	93	*	8.54	8.65		U 2	17176+1025	H 1	2 C A	AB	86	0.308	0.010	1.39	0.14	
84596	9.056	0.011	7.094	0.005		1.663	0.010	T	2.19	0.03	O		6.9447	0.0032	0.039	155		6.88	7.02		U 2	17176+2855	I 1	1							S
84597	10.655	0.048	9.875	0.035		0.709	0.046	T	0.76	0.04	L		9.9804	0.0036	0.027	92		9.92	10.03					1 S							
84598	10.179	0.018	9.458	0.015		0.648	0.018	T	0.71	0.02	L		9.6029	0.0021	0.027	214		9.54	9.65					1							
84599	8.261	0.008	6.404	0.003		1.544	0.007	T	1.60	0.01	L		6.3676	0.0011	0.011	160		6.35	6.39		M			1							S
84600	7.344	0.005	6.903	0.004		0.416	0.006	T	0.48	0.01	L		6.9538	0.0008	0.008	125		6.94	6.97		C			1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)																						Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	$\alpha*$	$\alpha*$	δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr																			%	
1 2	3	4	5 6 7		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28									29	30
84601	17 17 37.00	−81 10 35.9	8.73	H	259.404 153 77	−81.176 630 24		4.07	0.00	−15.13	0.71	0.77	0.94	0.70	0.92	−14	−34	+20	− 9	− 7	− 3	− 2	−17	−21	−29									0	−0.19
84602	17 17 37.83	+64 01 59.0	7.39	H	259.407 615 93	+64.033 053 39		6.08	−10.35	44.67	0.50	0.53	0.54	0.57	0.67	+ 0	−18	−13	+ 8	− 8	+ 5	− 5	+24	− 8	−12									0	0.68
84603	17 17 37.96	+31 26 53.5	8.37	H	259.408 184 43	+31.448 197 68		4.17	−11.97	6.40	0.60	0.63	0.81	0.73	0.76	+ 7	−14	− 2	+ 1	+ 5	−13	+ 4	+ 1	+ 1	+16									0	0.13
84604	17 17 38.84	+20 27 23.6	8.48	H	259.411 849 58	+20.456 561 94		3.14	−4.15	−11.76	0.55	0.70	1.20	1.09	1.07	− 3	−11	−10	+17	+28	−18	+21	+27	−28	+24									0	0.91
84605 H	17 17 39.53	−26 37 44.3	6.81	H	259.414 719 13	−26.628 965 79	A	7.45	−4.98	−23.59	1.18	0.77	1.17	1.19	0.75	− 9	−35	−25	+10	−11	− 1	− 9	+37	−14	−26									1	1.08
84606 H	17 17 40.29	+37 17 28.8	4.64	G	259.417 857 75	+37.291 343 28	A	18.34	−42.74	63.76	0.48	0.54	0.55	0.47	0.56	+ 8	+ 0	− 4	+13	+ 9	−13	+11	−18	+ 3	+12									2	−0.43
84607	17 17 40.54	+29 13 36.1	8.43	H	259.418 908 61	+29.226 700 35		41.58	−72.25	216.39	0.68	0.80	1.04	0.77	1.09	+ 5	−20	−12	+19	− 8	+ 3	− 3	+24	−26	− 6									0	0.43
84608	17 17 41.63	−45 08 21.8	10.05	H	259.423 463 67	−45.139 393 96		2.50	34.49	−13.40	1.59	0.89	1.73	1.62	0.91	−12	−43	− 4	+ 5	− 1	− 3	+ 3	+ 4	− 8	−25									0	0.40
84609	17 17 41.94	−28 56 17.9	8.69	H	259.424 743 02	−28.938 305 13		15.19	−3.73	−61.71	1.30	0.71	1.28	1.50	0.73	+25	−33	−21	+34	+11	+ 3	+14	+42	− 8	+ 2									0	−1.30
84610	17 17 43.04	−15 23 31.6	10.54	G	259.429 324 13	−15.392 101 06		5.82	−1.71	−9.90	2.03	1.47	2.10	2.21	1.57	−34	−32	−15	+33	−46	+11	−34	+67	−17	−47									0	0.24
84611	17 17 43.17	−30 46 13.7	8.96	G	259.429 866 27	−30.770 478 94		13.68	−33.66	−46.41	1.28	0.66	1.41	1.62	0.67	− 6	−34	−15	+19	+ 9	− 7	+ 8	+28	−12	− 3									0	0.79
84612	17 17 45.51	−35 13 27.0	7.89	1 H	259.439 644 42	−35.224 169 02		1.13	1.06	−2.07	0.89	0.48	0.97	0.95	0.50	− 2	−39	− 9	+ 4	− 9	− 6	− 2	+29	−12	−13									0	−1.42
84613 H	17 17 45.83	−34 05 47.8	8.04	H	259.440 946 95	−34.096 613 62	*	4.05	−2.53	−35.40	1.04	0.53	1.09	1.07	0.54	+16	−44	−18	+26	− 6	+ 6	+ 3	+34	−13	+10									0	−2.25
84614	17 17 48.12	+28 44 00.4	8.15	H	259.450 483 03	+28.733 450 63		3.79	−1.29	−5.70	0.60	0.71	0.92	0.69	0.86	+ 8	−18	−11	+ 2	− 1	−11	+ 2	+13	−20	+ 1									2	−1.03
84615	17 17 48.87	+36 05 38.7	7.57	G	259.453 639 27	+36.094 070 04		3.49	3.50	12.21	0.55	0.62	0.73	0.58	0.70	+15	− 9	+ 4	+18	+10	−21	+13	+ 4	− 8	+16									0	0.38
84616	17 17 50.41	+52 26 51.3	7.93	H	259.460 030 26	+52.447 588 21		53.97	17.27	−195.16	0.60	0.64	0.68	0.66	0.72	+ 8	− 8	−13	− 2	+11	−18	+10	− 6	− 3	+21									0	1.05
84617	17 17 50.89	−13 33 19.3	9.87	H	259.462 052 70	−13.555 356 23		6.81	1.12	11.71	1.66	1.03	1.70	2.08	1.17	+19	−44	−29	+35	− 5	− 5	+ 4	+55	−16	+ 3									0	0.09
84618	17 17 51.78	−12 18 47.3	8.36	H	259.465 739 95	−12.313 132 84		6.83	−9.87	−0.56	0.99	0.78	1.05	1.14	0.87	−22	−21	−19	+27	−44	+ 9	−29	+61	−15	−53									0	0.57
84619	17 17 54.94	−58 10 29.5	8.90	H	259.478 931 52	−58.174 857 78		6.68	22.58	−7.47	1.08	0.83	1.37	1.45	0.95	−11	− 5	− 8	+ 2	− 8	+22	− 8	+19	+ 8	+ 2									0	0.73
84620	17 17 55.00	−52 00 59.0	8.45	H	259.479 146 20	−52.016 376 90		4.81	9.58	−35.74	1.08	0.72	1.18	1.27	0.77	+13	−26	−10	+19	+26	+13	+26	+31	− 8	+ 9									0	2.19
84621	17 17 55.54	+28 54 23.0	7.47	H	259.481 401 94	+28.906 398 81		9.48	−13.73	−23.29	0.50	0.60	0.77	0.55	0.70	+ 4	−19	−12	− 4	+ 1	− 4	+ 4	+10	−16	+ 1									1	0.72
84622	17 17 55.64	−62 42 10.1	7.62	H	259.481 832 77	−62.702 798 91		1.97	−2.71	−52.52	0.67	0.62	0.91	0.71	0.63	− 5	− 6	−16	−36	− 9	+10	− 8	−16	+ 2	− 1									0	−1.31
84623	17 17 58.37	+17 07 28.7	7.06	H	259.493 208 41	+17.124 628 16		6.22	5.70	−5.46	0.59	0.60	0.87	0.61	0.69	− 9	−24	−10	− 3	+27	+18	+31	− 3	+ 4	+21									0	0.96
84624	17 17 59.66	+25 24 19.3	9.53	G	259.498 579 60	+25.405 368 45		3.70	3.63	−10.72	0.82	1.13	1.72	0.99	1.80	+ 5	− 1	−11	−15	+ 3	−12	+ 2	+15	−48	+ 8									0	1.19
84625	17 18 00.64	−24 17 02.7	6.59	H	259.502 674 65	−24.284 084 23	B	6.78	−59.28	−11.18	7.84	4.58	4.53	5.82	3.11	+ 6	− 1	+ 4	−37	−28	−35	−18	− 5	−29	− 7									14	2.34
84626	17 18 00.72	−24 17 12.8	5.14	H	259.502 986 47	−24.286 882 89	A	8.98	−59.49	−7.69	1.56	0.92	1.30	1.68	0.90	− 3	− 9	− 4	−17	−31	−27	−21	+20	−27	− 8									14	2.34
84627	17 18 01.22	−50 34 30.9	8.62	H	259.505 096 83	−50.575 258 34		3.90	−8.69	−33.47	1.14	0.70	1.24	1.27	0.70	−11	−24	−18	− 5	+12	−11	+ 8	− 4	+ 6	−26									0	−0.68
84628	17 18 01.38	−43 34 39.6	7.02	G	259.505 740 70	−43.577 653 60		5.01	−7.19	−21.39	0.82	0.51	0.87	0.94	0.54	−15	−26	+ 1	+36	−17	+12	−12	+26	−10	− 8									0	0.63
84629	17 18 01.85	+52 20 14.2	7.92	H	259.507 716 05	+52.337 285 67		3.39	5.82	−38.97	0.61	0.66	0.69	0.70	0.75	+ 6	− 6	−16	−13	+13	−23	+ 9	− 8	− 1	+20									0	−1.16
84630	17 18 04.66	−67 48 33.4	8.75	H	259.519 422 67	−67.809 270 13		2.07	−1.09	−1.79	0.64	0.80	1.19	0.82	0.92	− 1	−28	+ 1	+26	−18	−13	−14	− 4	+ 4	+ 6									1	−1.53
84631	17 18 04.93	+17 19 04.5	6.00	H	259.520 551 77	+17.317 913 51		8.12	11.87	−11.12	0.55	0.58	0.79	0.85	1.00	− 6	−23	−18	+ 1	+33	+25	+35	− 6	+ 3	+26									0	0.70
84632	17 18 04.95	+03 08 49.1	6.87	H	259.520 634 20	+03.146 980 60		12.02	−23.84	51.70	0.70	0.44	0.83	0.78	0.46	+ 9	−32	+ 0	+20	+33	+ 8	+34	+23	−17	+15									1	1.31
84633	17 18 05.03	−01 17 04.8	9.44	H	259.520 961 58	−01.284 671 89		23.45	−126.60	−134.91	1.42	0.95	1.48	1.84	1.14	−15	−27	− 6	+47	− 6	−11	− 5	+57	− 7	−23									0	−0.43
84634 H	17 18 05.47	−38 09 50.3	6.92	H	259.522 793 03	−38.163 983 54	*	4.17	−10.30	−17.01	1.38	0.96	0.99	1.01	0.63	−24	−35	+ 7	+23	− 5	−18	+ 5	+37	−15	+ 7									1	0.16
84635	17 18 06.10	−46 14 13.1	10.01	H	259.525 398 83	−46.236 971 18		−1.17	16.71	−9.16	1.79	1.02	1.99	2.39	1.07	− 6	−25	+11	− 3	+ 4	+ 9	+ 2	+ 1	− 1	+21									0	1.36
84636	17 18 07.07	−24 04 22.2	6.59	G	259.529 469 15	−24.072 842 64		21.20	97.01	−73.75	0.79	0.47	0.92	1.02	0.55	− 1	−23	− 6	−12	−19	−37	− 5	+36	+ 6	−36									5	1.63
84637	17 18 07.89	+11 25 17.9	8.88	H	259.532 868 49	+11.421 628 78		−0.86	−4.87	−30.13	0.99	0.90	1.36	0.98	0.94	+23	−40	−20	+34	+44	− 5	+42	+20	− 1	+29									0	−0.10
84638	17 18 11.95	−39 41 26.7	7.09	1 H	259.549 777 62	−39.690 756 40		1.61	−2.12	−20.91	0.98	0.56	1.08	1.08	0.59	+15	−45	−29	+37	+15	−11	+17	+36	−16	+ 4									0	0.76
84639	17 18 12.43	+49 32 01.9	10.86	H	259.551 781 90	+49.533 874 97		7.53	−94.28	240.61	1.03	1.24	1.23	1.09	1.40	+ 4	− 8	−12	+ 7	+12	− 8	+11	−13	+ 8	+ 2									0	0.39
84640	17 18 13.31	−14 47 55.9	8.94	H	259.555 446 95	−14.798 849 89		1.97	−8.20	−12.95	1.19	0.77	1.27	1.26	0.84	−17	−38	− 5	+19	−28	+ 5	−17	+54	−12	−32									0	−0.25
84641	17 18 14.45	+02 39 28.1	8.84	H	259.560 202 80	+02.657 796 95		1.90	−9.16	−7.95	1.04	0.66	1.33	1.20	0.66	+13	−34	−28	+12	+47	−20	+42	+19	−23	+21									0	0.31
84642	17 18 14.71	−60 27 26.7	9.51	2 H	259.561 295 42	−60.457 424 07		18.28	−55.14	−92.11	1.10	0.85	1.43	1.27	0.88	+16	+11	+10	−44	−29	− 9	−25	−30	−17	+ 4									0	0.54
84643	17 18 14.86	−00 45 52.8	7.91	H	259.561 911 49	−00.764 679 37		11.10	−26.51	−26.95	0.92	0.68	0.99	1.16	0.80	−28	−18	−24	+44	−30	+ 4	−23	+63	−29	−32									0	0.05
84644	17 18 15.81	+09 31 03.9	8.06	H	259.565 875 77	+09.517 760 67		6.90	26.99	−21.01	1.13	0.82	0.98	1.24	0.94	+56	− 3	+12	+67	+63	+12	+63	+60	+15	+65									0	1.95
84645 H	17 18 16.57	+53 38 06.1	8.94	G	259.569 052 53	+53.635 032 65	A	5.00	−17.84	15.61	1.74	2.26	1.61	1.44	2.31	+ 0	− 6	− 8	+ 6	+10	− 3	+14	+11	+ 4	−16									1	−0.47
84646	17 18 17.37	+42 53 11.4	9.96	H	259.572 379 93	+42.886 504 06		7.39	−0.38	−31.28	1.01	1.12	1.22	1.09	1.35	+ 6	+ 6	− 6	−14	− 1	−18	− 1	−26	+ 7	+ 6									4	1.02
84647	17 18 17.94	−15 47 55.0	7.23	H	259.574 741 90	−15.798 620 73		5.86	19.28	−63.54	1.05	0.66	1.19	1.09	0.70	− 9	−50	−28	+25	−36	+ 9	−13	+64	−27	−34									0	−0.09
84648	17 18 18.62	+42 06 39.8	8.28	H	259.577 584 43	+42.111 042 71		8.14	−10.88	13.11	0.70	0.69	0.80	0.74	0.92	+ 2	−12	−27	−26	− 1	+ 0	− 1	−14	+ 4	− 8									0	2.45
84649	17 18 19.27	−16 18 42.8	6.28	1 H	259.580 296 93	−16.311 902 45		4.05	1.44	10.45	0.85	0.62	0.85	1.15	0.70	−37	−15	− 6	+37	−32	+ 6	−29	+64	−19	−29									0	0.41
84650	17 18 20.51	−32 33 11.1	6.36	2 H	259.585 465 32	−32.553 088 89		2.59	−2.16	−7.39	0.81	0.43	0.87	0.79	0.45	−28	−47	− 4	−16	+ 6	−16	+12	+ 5	− 3	−50									0	−0.21
84651	17 18 21.16	+23 25 56.0	7.79	H	259.588 179 63	+23.432 229 32		6.88	−6.33	−41.43	0.53	0.61	0.94	0.65	0.78	+ 1	+14	+ 6	−56	+12	−21	+ 9	− 3	−17	+ 9									0	1.03
84652	17 18 21.66	−01 46 52.7	10.59	G	259.590 258 79	−01.781 301 55		48.26	114.04	−68.61	2.61	1.44	1.99	2.93	1.71	−13	−35	+ 4	+63	+ 4	−11	+ 8	+59	− 9	−10									0	−0.08
84653 H	17 18 22.24	+32 39 38.9	8.75	H	259.592 653 86	+32.660 809 36	A	5.11	−22.28	−39.08	1.81	1.69	1.71	1.46	1.66	−13	−11	+16	− 3	+ 1	− 6	+ 4	−21	−18	−10									0	0.21
84654 H	17 18 22.82	−46 02 18.3	10.36	H	259.595 069 20	−46.038 416 97	A	9.50	−19.29	−23.81	4.66	2.77	4.18	4.27	2.02	− 9	− 5	−10	−17	+13	−16	+ 9	−10	− 7	+11									1	0.31
84655 H	17 18 23.06	−34 24 30.6	9.27	G	259.596 092 25	−34.408 496 79	*	1.09	0.76	−4.33	3.75	1.81	1.79	2.06	0.86	+59	−18	−13	+12	+ 2	+12	+ 3	+11	−11	+16									1	0.04
84656	17 18 23.28	+38 48 40.4	5.97	H	259.597 000 51	+38.811 214 45		10.20	−12.39	74.11	0.42	0.51	0.56	0.47	0.61	− 5	−11	− 6	− 2	+10	−16	+11	−26	+16	+ 1									1	0.50
84657	17 18 24.00	−50 12 39.5	6.99	H	259.600 012 78	−50.210 966 11		8.32	−14.68	−33.91	0.83	0.53	0.89	0.93	0.53	−23	−26	−11	+ 9	+12	− 5	+ 6	+ 2	+10	−28									0	−1.76
84658	17 18 24.40	+43 19 30.9	8.65	H	259.601 659 77	+43.325 254 09		4.01	−26.00	−11.26	0.71	0.79	0.84	0.74	0.86	− 2	+ 4	− 3	−24	+12	−13	+12	−25	+14	+ 7									3	0.99
84659	17 18 24.54	+26 56 13.1	7.51	G	259.602 229 88	+26.936 962 34		3.01	−20.20	−26.46	0.50	0.63	0.88	0.61	0.80	+ 1	−18	− 7	+ 2	+ 5	−13	+ 8	+10	−23	+ 0									0	−0.78
*84660	17 18 25.91	−72 40 57.3	9.36	H	259.607 964 82	−72.682 582 28		10.20	17.00	−14.88	0.70	1.07	1.34	0.73	1.34	+17	−14	+ 9	+12	+ 1	+ 1	− 4	−13	+16	+10									0	0.58
*84661	17 18 25.84	−52 59 48.8	7.93	H	259.607 670 35	−52.996 880 90		4.75	−52.79	−35.91	0.89	0.63	1.06	1.02	0.63	+ 4	−25	−10	+16	− 4	−13	− 2	+24	− 9	− 1									2	−1.02
84662	17 18 27.78	−59 13 10.2	9.11	H	259.615 729 96	−59.219 488 01		0.17	−3.64	−14.82	0.85	0.69	1.26	1.04	0.78	− 3	−22	− 5	−15	−17	+23	−16	−13	+ 8	−15									0	−1.23
84663	17 18 29.90	+25 48 28.2	6.61	H	259.624 582 36	+25.807 839 07		7.09	−11.83	65.49	0.41	0.55	0.80	0.50	0.78	+ 3	−13	−14	− 8	+ 3	− 7	+ 7	+18	−36	+ 1									2	0.48
84664	17 18 30.12	+58 21 30.8	9.20	H	259.625 508 54	+58.358 545 89		2.70	−6.35	30.17	0.75	0.86	0.87	0.95	1.15	+ 4	+20	− 6	+13	+14	+ 7	+20	+ 4	+30	+12									0	0.66
84665	17 18 30.88	−29 33 19.8	8.74	H	259.628 685 90	−29.555 512 68		10.96	−23.97	−68.17	1.17	0.73	1.35	1.31	0.77	−13	−27	−10	+ 8	−28	−18	−14	+46	−23	−28									0	1.66
84666 H	17 18 31.42	−38 47 33.3	8.44	H	259.630 922 63	−38.792 575 20	A	10.35	−29.14	−52.84	1.89	1.16	1.69	2.00	1.02	− 6	−16	− 1	+29	− 3	− 3	+ 0	+29	−15	+ 9									0	−0.37
84667	17 18 32.54	+37 46 00.4	8.47	H	259.635 571 79	+37.766 786 41		7.73	−24.15	46.46	0.64	0.77	0.87	0.71	0.93	+ 4	+ 5	+ 5	+12	+14	− 9	+17	− 4	+ 9	+14									1	0.70
84668	17 18 33.20	−39 32 30.2	8.14	2 H	259.638 348 24	−39.541 715 96		1.03	−8.43	0.59	1.16	0.62	1.28	1.26	0.65	+ 9	−43	−20	+39	+13	+ 1	+21	+34	−23	+ 8									0	1.99
84669	17 18 36.34	+21 23 51.7	9.36	H	259.651 419 34	+21.397 683 02		1.98	−7.70	−5.47	0.78	0.92	1.30	1.09	1.27	+ 2	−13	+ 0	+32	+16	+ 9	+16	+22	−20	−11									0	1.03
84670	17 18 36.45	+41 53 17.1	8.11	3 H	259.651 884 88	+41.888 086 10	*	5.55	−8.20	−1.20	0.67	0.71	0.84	0.74	0.91	+ 2	− 4	−23	− 9	+ 1	+18	+ 6	−18	+12	+ 8									0	−0.09
84671	17 18 36.99	+10 51 53.0	5.03	H	259.654 106 56	+10.864 712 77		4.72	8.08	−97.65	0.75	0.58	0.80	0.77	0.65	+46	−27	−13	+52	+54	− 1	+54	+43	− 1	+47									0	1.69
84672	17 18 37.36	+40 35 11.1	9.61	H	259.655 661 36	+40.586 420 75		6.19	12.13	75.41	0.79	0.94	0.98	0.87	1.11	+12	−11	+ 4	− 6	− 5	−19	− 1	−33	− 1	+24									0	0.92
84673	17 18 38.32	−36 05 12.9	8.21	G	259.659 685 97	−36.086 927 50		3.90	−3.01	−12.71	1.04	0.55	1.14	1.17	0.58	+ 0	−33	− 9	+19	+ 4	− 8	+ 9	+27	−18	−10									0	1.05
84674	17 18 38.80	−12 36 34.4	8.07	H	259.661 678 58	−12.609 556 79		3.46	−36.63	−7.88	1.08	0.71	1.17	1.10	0.76	−18	−40	−17	+29	−32	− 3	−24	+50	− 8	−42									3	−1.53
84675	17 18 39.21	−16 01 47.0	7.61	H	259.663 372 85	−16.029 725 76		6.41	17.25	−13.07	1.07	0.71	1.11	1.35	0.78	−20	−31	−18	+40	−32	+11	−19	+69	−25	−26									0	0.58
84676	17 18 39.33	−01 30 36.1	8.02	H	259.663 881 67	−01.510 028 96		16.85	−102.22	53.50	0.97	0.66	0.99	1.26	0.80	−19	− 4	− 5	+46	− 8	+11	− 7	+56	− 7	−29									0	−1.13
84677	17 18 39.78	+16 17 00.2	8.00	H	259.665 764 79	+16.283 400 62		3.96	2.98	−17.21	0.67	0.71	1.07	0.76	0.80	−21	− 8	− 5	− 1	+28	+20	+32	− 7	− 5	+ 8									0	0.85
84678	17 18 40.41	−10 13 09.3	7.81	H	259.668 390 22	−10.219 263 38		8.25	−3.86	−12.88	1.02	0.64	1.17	1.05	0.72	−15	−36	− 1	+13	−18	+ 3	− 1	+47	−22	−39									0	−0.64
84679	17 18 40.91	+34 44 24.1	10.69	G	259.670 448 79	+34.740 040 12		13.19	80.03	−234.54	1.10	1.44	1.58	1.25	1.68	+ 2	−12	+14	+10	+20	− 1	+24	− 8	− 6	+17									3	−0.40
84680	17 18 41.40	+43 36 33.0	8.54	2 H	259.672 481 13	+43.609 170 87		1.40	−22.59	−6.62	0.65	0.68	0.75	0.70	0.84	+ 3	+ 2	− 7	−16	+10	−18	+11	−18	+ 9	+ 2									1	0.41
84681	17 18 41.56	+50 54 19.5	8.47	H	259.673 150 78	+50.905 405 53		1.12	10.81	0.16	0.65	0.79	0.77	0.74	0.94	+ 0	+ 7	−13	+13	+15	+ 2	+17	+ 7	+10	− 4									0	0.00
84682	17 18 42.44	+14 52 53.1	8.33	H	259.676 846 45	+14.881 425 21		7.52	−7.92	−37.60	0.83	0.81	1.16	0.76	0.85	+29	−32	−46	+25	+30	− 6	+40	+28	−23	+18									0	−0.85
84683	17 18 43.27	+00 59 37.1	8.42	H	259.680 281 48	+00.993 646 36		6.05	−24.96	−38.31	0.94	0.57	1.26	0.96	0.59	+ 7	−30	+10	+12	+33	−16	+37	+21	−18	+19									0	−1.14
*84684	17 18 43.91	−29 29 23.5	9.67	G	259.682 960 57	−29.489 864 98		17.40	−171.11	−202.05	1.57	0.88	1.80	1.98	0.91	+ 9	−21	−11	+ 5	− 7	−27	− 1	+32	−16	+ 3									0	−0.31
*84685	17 18 43.91	−33 26 29.7	7.69	H	259.682 947 05	−33.441 586 90		6.23	−31.53	−29.82	0.90	0.49	0.98	0.95	0.50	− 8	−39	−14	+24	−16	+ 2	− 8	+36	−14	−17									0	−1.91
84686	17 18 45.12	−57 26 20.4	8.27	2 H	259.688 003 30	−57.438 994 12		4.98	−9.79	−20.94	0.81	0.65	1.00	0.93	0.71	−18	−25	− 2	+20	− 9	+13	− 9	+23	+ 5	−15									0	0.07
84687	17 18 45.81	−42 53 29.9	7.51	H	259.690 875 82	−42.891 644 08		0.69	0.92	−0.48	0.99	0.59	1.01	1.31	0.64	−12	− 5	+ 1	+44	−13	+23	− 9	+34	+ 0	+ 2									0	−0.16
84688	17 18 46.24	+35 40 12.0	9.69	H	259.692 686 95	+35.669 988 27		6.63	7.92	−35.84	0.86	1.05	1.17	1.03	1.26	+13	−21	+15	+15	+11	+ 1	+14	+ 3	− 8	+25									0	1.39
84689	17 18 47.11	−44 20 17.9	9.44	H	259.696 291 29	−44.338 292 22		7.34	4.04	6.07	1.42	0.89	1.59	1.53	0.92	−15	−34	− 6	+23	−12	+17	− 8	+25	−10	−26									0	0.28
84690	17 18 47.84	−44 07 46.9	5.76	G	259.699 328 10	−44.129 707 25		9.62	−11.78	−16.14	0.69	0.46	0.75	0.75	0.48	−19	−31	− 9	+22	−19	+ 2	−14	+28	− 9	+29									0	0.49
84691	17 18 48.50	+28 49 22.7	5.68	H	259.702 063 40	+28.822 983 75		10.24	47.98	−6.63	0.43	0.48	0.65	0.50	0.58	+ 9	−20	−16	− 3	+ 3	− 8	+ 5	+10	−19	+ 6									1	−0.83
84692	17 18 48.52	+32 51 53.9	7.36	H	259.702 185 36	+32.864 960 24		4.97	−10.53	−92.52	0.50	0.60	0.75	0.55	0.81	+ 4	− 5	+ 2	+ 9	+ 2	−11	+ 3	+

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
84601	8.913	0.012	8.747	0.014		0.152	0.017	T	0.17	0.02	L	8.7843	0.0021	0.019	121		8.74	8.82					1							
84602	7.793	0.007	7.424	0.007		0.350	0.009	T	0.41	0.01	L	7.4697	0.0009	0.008	114		7.46	7.48					1							S
84603	9.073	0.011	8.440	0.010		0.588	0.013	T	0.66	0.01	L	8.4950	0.0017	0.015	140		8.46	8.52					1							
84604	8.487	0.006	8.467	0.008		0.023	0.009	T	0.04	0.01	L	8.4939	0.0016	0.020	193		8.47	8.54					1							S
84605	6.821	0.006	6.800	0.009	*	0.020	0.010	T	0.04	0.01	L *	6.8263	0.0008	0.010	81	*	6.81	6.85		D	17177−2638	I 1	2 C	A	AB	336	5.859	0.009	2.36	0.05	S
84606	4.674	0.002	4.628	0.002	*	0.043	0.003	G	0.07	0.04	D *	4.6304	0.0006	0.004	112	*	4.62	4.64		D	17177+3717	H 1	2 C	B	AB	141	0.844	0.017	4.02	0.08	S
84607	9.734	0.018	8.541	0.012		1.015	0.017	T	1.06	0.02	L	8.5711	0.0018	0.021	140		8.54	8.61		C			1							
84608	10.798	0.062	10.122	0.053		0.534	0.020	G	0.61	0.02	H	10.1687	0.0031	0.023	71		10.11	10.20		C			1							G
84609	9.409	0.019	8.753	0.017		0.600	0.019	T	0.67	0.02	L	8.8171	0.0026	0.020	84		8.79	8.85					1							
84610	12.296	0.246	10.805	0.112		1.550	0.020	G	1.62	0.03	H	10.6881	0.0041	0.030	70		10.63	10.73		C			1							G
84611	9.803	0.046	9.099	0.041		0.660	0.015	G	0.72	0.01	H	9.0981	0.0021	0.015	74		9.08	9.13		C			1							
84612	8.640	0.013	7.990	0.011		0.604	0.014	T	0.67	0.01	L	8.0159	0.0027	0.018	91		7.99	8.05		U			1							S
84613	8.660	0.012	8.122	0.011	*	0.512	0.012	T	0.58	0.01	L *	8.1560	0.0016	0.011	89	*	8.13	8.18		D	17178−3406	I 1	2 C	S A	AB	16	0.152	0.005	0.20	0.25	
84614	8.374	0.008	8.171	0.009		0.194	0.011	T	0.21	0.01	L	8.2163	0.0018	0.019	157		8.19	8.25			17178+2844	I 1	1							S
84615	7.893	0.007	7.596	0.008		0.273	0.015	G	0.31	0.02	H	7.6505	0.0012	0.012	107		7.63	7.68		C			1							S
84616	9.252	0.015	8.062	0.010		1.019	0.014	T	0.99	0.01	L	8.0963	0.0015	0.013	104		8.07	8.13					1							S
84617	10.639	0.062	9.952	0.055		0.570	0.020	G	0.64	0.02	H	9.9937	0.0031	0.019	69		9.95	10.02					1							G
84618	8.910	0.016	8.426	0.015		0.503	0.015	G	0.58	0.02	H	8.4748	0.0015	0.015	68		8.46	8.50		D			1							
84619	9.469	0.019	8.951	0.019		0.488	0.015	G	0.56	0.02	H	9.0087	0.0021	0.018	84		8.98	9.04		C			1							
84620	10.041	0.028	8.617	0.016		1.202	0.025	T	1.16	0.03	L	8.6136	0.0022	0.016	84		8.58	8.64					1							
84621	7.774	0.007	7.503	0.007		0.258	0.009	T	0.29	0.01	L	7.5419	0.0013	0.013	154		7.52	7.57					1							S
84622	9.450	0.017	7.781	0.008		1.395	0.015	T	1.37	0.02	L	7.7624	0.0010	0.013	120		7.74	7.78		D			1							
84623	8.849	0.012	7.199	0.006		1.380	0.011	T	1.35	0.01	L	7.2023	0.0013	0.010	107		7.18	7.23					1							S
84624	10.183	0.025	9.641	0.024		0.553	0.015	G	0.63	0.01	H	9.6361	0.0022	0.033	166		9.56	9.70					1							
84625	7.206	0.008	6.676	0.008	B	0.510	0.015	G	0.58	0.02	H	6.7132	0.0160			B				D	17180−2417	I 2	1 C	I A						S
84626	6.445	0.005	5.221	0.003	A	1.046	0.005	T	1.02	0.00	L	5.3051	0.0048	0.017	77	A	5.29	5.42		D	17180−2417	I 2	1 C	P A						S
84627	10.197	0.033	8.753	0.018		1.218	0.030	T	1.18	0.03	L	8.7792	0.0021	0.017	78		8.75	8.81		C			1							
84628	6.949	0.005	6.998	0.009		−0.040	0.004	G	−0.02	0.00	H	7.0154	0.0013	0.009	67		7.00	7.03					1							S
84629	9.297	0.014	8.034	0.009		1.076	0.013	T	1.04	0.01	L	8.0889	0.0015	0.013	101		8.06	8.11		C			1							S
84630	10.807	0.034	8.919	0.012		1.568	0.029	T	1.59	0.03	L	8.8642	0.0019	0.025	189		8.83	8.91					1							
84631	6.019	0.003	6.003	0.003		0.015	0.004	T	0.03	0.00	L	6.0114	0.0007	0.008	106		6.00	6.03					1	G						S
84632	7.351	0.005	6.915	0.005		0.412	0.007	T	0.48	0.01	L	6.9617	0.0008	0.009	120		6.95	6.98					1							S
84633	10.642	0.044	9.545	0.027		0.940	0.015	G	0.99	0.02	I	9.5878	0.0027	0.020	85		9.56	9.63					1							
84634	6.950	0.005	6.913	0.006	*	0.039	0.007	T	0.05	0.01	L *	6.9370	0.0012	0.008	95	*	6.93	6.95		D	17181−3810	M 1	2 C	A	AS	247	0.205	0.005	0.40	0.13	S
84635	10.798	0.063	10.041	0.049		0.691	0.063	T	0.75	0.05	L	10.1468	0.0037	0.027	81		10.10	10.20		C			1							G
84636	7.415	0.007	6.659	0.006		0.647	0.020	G	0.69	0.02	A	6.7333	0.0009	0.006	80		6.72	6.74		C			1							S
84637	11.022	0.059	9.074	0.020		1.651	0.051	T	1.90	0.13	O	8.9747	0.0022	0.017	82		8.95	9.03		C			1							
84638	9.346	0.018	7.301	0.007		1.693	0.015	T	1.72	0.01	L	7.1941	0.0014	0.013	82		7.17	7.21		M			1							S
84639	11.767	0.107	10.769	0.071		0.861	0.100	T	0.87	0.07	L	11.0054	0.0037	0.030	116		10.93	11.07					1							G
84640	10.744	0.050	9.112	0.022		1.366	0.043	T	1.33	0.05	L	9.0897	0.0022	0.016	77		9.06	9.11		C			1							
84641	10.348	0.029	8.950	0.016		1.182	0.026	T	1.14	0.02	L	9.0078	0.0019	0.017	116		8.98	9.04		C			1							
84642	10.462	0.028	9.602	0.022		0.754	0.027	T	0.80	0.02	L	9.6466	0.0047	0.041	145		9.59	9.71		U 2			1							
84643	8.541	0.011	7.974	0.010		0.530	0.013	T	0.60	0.01	L	8.0243	0.0018	0.013	86		8.00	8.04					1							S
84644	8.319	0.010	8.096	0.012		0.213	0.015	T	0.24	0.02	L	8.1282	0.0018	0.014	69		8.11	8.15		C	17183+0931	I 1	1	S						S
84645	9.508	0.020	9.009	0.019	*	0.420	0.015	G	0.49	0.02	H *	9.0287	0.0019	0.018	98	*	8.99	9.05		D	17183+5338	I 1	2 C	A	AB	167	0.514	0.003	0.24	0.02	
84646	10.705	0.042	9.997	0.036		0.652	0.045	T	0.72	0.04	L	10.0986	0.0042	0.031	106		10.03	10.16					1							
84647	8.543	0.013	7.349	0.008		1.022	0.012	T	1.00	0.01	L	7.3952	0.0011	0.010	74		7.38	7.41					1							S
84648	8.835	0.012	8.329	0.011		0.480	0.030	G	0.55	0.03	H	8.3868	0.0015	0.013	114		8.36	8.41		C			1							S
84649	8.482	0.015	6.486	0.006		1.691	0.013	T	2.06	0.04	O	6.3629	0.0021	0.017	70		6.33	6.39		U 2			1							S
84650	6.496	0.005	6.384	0.005		0.109	0.007	T	0.12	0.01	L	6.4020	0.0027	0.024	91		6.36	6.44		U 2	17183−3233	I 1	1							S P
84651	8.362	0.007	7.853	0.006		0.503	0.015	G	0.58	0.02	H	7.9028	0.0010	0.014	215		7.88	7.93					1							S
84652	12.658	0.273	10.745	0.079		1.440	0.020	G	1.77	0.05	I	10.6432	0.0035	0.026	87		10.60	10.67		R			1	G						G
84653	9.539	0.018	8.871	0.016	*	0.619	0.020	T	0.69	0.02	L *	8.8798	0.0026	0.023	136	*	8.84	8.91		D	17184+3240	I 1	2 C	A	AB	279	0.477	0.004	0.93	0.02	
84654	11.162	0.089	10.714	0.098	A					T	*	10.4999	0.0054	0.039	76	*	10.43	10.57		D	17184−4602	I 1	2 C	A	AB	98	2.303	0.025	1.39	0.08	G
84655	10.207	0.031	9.416	0.024	*	0.670	0.026	G	0.73	0.02	H *	9.3868	0.0026	0.024	78	*	9.35	9.43		D	17184−3425	I 1	2 C	A	AS	294	0.230	0.013	0.27	0.16	G
84656	7.260	0.006	6.080	0.004		1.011	0.006	T	0.99	0.01	L	6.1379	0.0006	0.007	131		6.13	6.15		C			1							S
84657	6.989	0.007	6.981	0.009		0.008	0.010	T	0.03	0.01	L	7.0023	0.0010	0.009	76		6.99	7.02		C			1							S
84658	10.031	0.028	8.771	0.017		1.074	0.026	T	1.04	0.02	L	8.8137	0.0016	0.015	102		8.78	8.84					1							
84659	9.163	0.012	7.641	0.006		1.260	0.015	G	1.22	0.02	H	7.6738	0.0011	0.015	173		7.66	7.70					1							S
84660	9.941	0.017	9.402	0.016		0.513	0.017	T	0.59	0.02	L	9.4731	0.0023	0.027	174		9.43	9.52					1							
84661	9.481	0.021	8.065	0.012		1.196	0.019	T	1.16	0.02	L	8.0949	0.0015	0.010	76		8.08	8.11		C			1							
84662	10.470	0.025	9.220	0.015		1.066	0.023	T	1.03	0.02	L	9.2714	0.0021	0.020	164		9.24	9.31		C			1							
84663	7.988	0.006	6.731	0.004		1.071	0.006	T	1.04	0.01	L	6.7745	0.0008	0.010	179		6.76	6.79		C			1							S
84664	9.422	0.020	9.253	0.023		0.259	0.001	G	0.29	0.00	H	9.2675	0.0019	0.016	84		9.25	9.30		C			1							
84665	9.442	0.021	8.783	0.019		0.602	0.021	T	0.67	0.02	L	8.8643	0.0018	0.015	79		8.84	8.89		C			1							
84666	9.065	0.017	8.472	0.015	*	0.554	0.017	T	0.63	0.02	L *	8.5564	0.0018	0.013	85	*	8.54	8.58		D	17185−3848	I 1	2 C	A	AB	230	0.569	0.011	2.14	0.05	
84667	9.548	0.019	8.587	0.014		0.845	0.018	T	0.86	0.01	L	8.6240	0.0018	0.015	106		8.60	8.65		C			1							
84668	10.650	0.046	8.362	0.013		1.931	0.039	T	2.86	0.06	O	8.0884	0.0040	0.032	86		8.04	8.13		U 2			1							
84669	10.821	0.035	9.499	0.018		1.122	0.031	T	1.08	0.03	L	9.5331	0.0023	0.027	166		9.49	9.58					1							
84670	8.450	0.009	8.144	0.010		0.292	0.014	T	0.33	0.02	L	8.1855	0.0021	0.046	114		8.16	8.65		P 1 A			1	V						
84671	7.044	0.006	5.205	0.003		1.539	0.007	G	1.52	0.00	G	5.1585	0.0015	0.009	79		5.14	5.18					1							S
84672	10.039	0.023	9.648	0.024		0.370	0.031	T	0.43	0.03	L	9.6951	0.0021	0.026	125		9.65	9.75		C			1	S						
84673	8.921	0.015	8.322	0.014		0.558	0.015	T	0.63	0.01	L	8.3355	0.0020	0.013	81		8.32	8.36					1							
84674	10.362	0.042	8.313	0.015		1.696	0.036	T	1.72	0.04	L	8.1790	0.0019	0.016	72		8.16	8.20					1							
84675	7.835	0.014	7.625	0.012		0.201	0.017	T	0.22	0.02	L	7.6709	0.0020	0.012	72		7.65	7.70		C			1							S
84676	8.788	0.012	8.098	0.010		0.637	0.013	T	0.70	0.01	L	8.1514	0.0020	0.013	88		8.12	8.18					1							S
84677	9.898	0.021	8.159	0.010		1.450	0.015	G	1.45	0.02	H	8.1353	0.0017	0.016	115		8.11	8.17					1							
84678	8.214	0.013	7.849	0.013		0.346	0.017	T	0.41	0.02	L	7.8937	0.0018	0.010	63		7.87	7.91		C			1							S
84679	11.683	0.084	10.732	0.058		0.759	0.020	G	0.80	0.02	H	10.8488	0.0031	0.033	114		10.79	10.92		C			1							G
84680	10.280	0.032	8.793	0.016		1.271	0.029	T	3.22	0.07	O	8.3930	0.0149	0.173	105		8.14	8.62		U 2			1	S						P
84681	10.089	0.027	8.607	0.014		1.248	0.024	T	1.21	0.02	L	8.6285	0.0021	0.018	100		8.60	8.66					1							
84682	8.903	0.013	8.391	0.012		0.495	0.015	G	0.57	0.02	H	8.4423	0.0018	0.013	92		8.42	8.47		C			1							S
84683	10.139	0.021	8.581	0.011		1.308	0.019	T	1.27	0.02	L	8.5727	0.0014	0.016	137		8.55	8.61					1							
84684	10.574	0.047	9.694	0.037		0.789	0.004	G	0.83	0.00	H	9.7966	0.0021	0.019	77		9.76	9.83		C			1	S						G
84685	8.026	0.009	7.724	0.010		0.288	0.014	T	0.33	0.02	L	7.7631	0.0009	0.009	89		7.75	7.78					1							S
84686	8.293	0.009	8.273	0.012		0.023	0.014	T	0.04	0.01	L	8.2815	0.0052	0.034	111		8.21	8.32	1.80	P 1 A			1							P
84687	7.750	0.010	7.547	0.014		0.257	0.009	G	0.29	0.01	H	7.5847	0.0017	0.012	72		7.56	7.61					1							S
84688	10.362	0.033	9.733	0.029		0.585	0.038	T	0.66	0.04	L	9.8131	0.0026	0.023	108		9.78	9.85		C			1							
84689	10.279	0.040	9.559	0.034		0.648	0.040	T	0.71	0.04	L	9.5715	0.0027	0.018	77		9.54	9.61		C			1							G
84690	5.698	0.003	5.741	0.004		−0.049	0.005	G	−0.04	0.00	A	5.7487	0.0007	0.005	87		5.74	5.76					1							S
84691	6.932	0.004	5.791	0.002		0.981	0.003	T	0.96	0.00	L	5.8437	0.0006	0.007	151		5.83	5.86		C			1							S
84692	8.872	0.015	7.497	0.009		1.164	0.014	T	1.13	0.01	L	7.5273	0.0013	0.012	140		7.50	7.55					1							S
84693	9.834	0.030	8.669	0.020		1.000	0.028	T	0.98	0.02	L	8.7446	0.0018	0.014	57		8.72	8.77		D			1							
84694	8.969	0.015	8.451	0.014		0.496	0.015	T	0.57	0.02	L	8.4870	0.0018	0.015	87		8.47	8.51		C			1							
84695	10.194	0.039	9.672	0.039		0.499	0.042	T	0.57	0.04	L	9.7278	0.0039	0.025	77		9.66	9.77					1	S						G
84696	7.309	0.008	6.716	0.006		0.534	0.003	G	0.61	0.00	H	6.7781	0.0010	0.008	79		6.77	6.79		C			1	X						S
84697	10.782	0.039	9.481	0.021		1.106	0.035	T	1.07	0.04	L	9.5673	0.0018	0.022	142		9.53	9.60		C			1							
84698	10.605	0.044	8.936	0.018		1.395	0.038	T	1.37	0.05	L	8.9035	0.0028	0.021	86		8.88	8.94		C			1							
84699	9.338	0.017	7.670	0.008		1.394	0.015	T	1.37	0.02	L	7.6739	0.0013	0.012	99		7.65	7.70		C			1							S
84700	7.900	0.008	6.623	0.005		1.087	0.007	T	1.05	0.01	L	6.6683	0.0006	0.008	119		6.65	6.68					1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	$\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr		$\alpha*$	$\alpha*$	δ	$\alpha*$	δ	π	$\alpha*$	δ	π	$\mu_{\alpha*}$	%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
84701	17 18 52.01	−66 42 18.8	9.55	H	259.716 692 03	−66.705 235 98		2.18	−1.07	−7.45	0.82	0.99	1.44	1.02	1.20	+ 8	−10	− 1	+11	−34	+ 4	−29	+29	− 6	−11	0	1.09
84702	17 18 52.09	+83 20 11.7	7.55	H	259.717 020 97	+83.336 590 96		12.75	62.29	106.88	0.58	0.55	0.62	0.63	0.70	+ 6	−25	+ 3	− 3	+ 0	− 3	+ 1	+27	− 9	+13	2	0.63
84703	17 18 52.39	−20 29 57.3	8.60	1 H	259.718 291 68	−20.499 252 89		1.85	−11.78	−8.53	1.30	0.89	1.47	1.58	0.96	−28	−28	−30	+28	−47	+29	−25	+71	−33	−54	2	−0.79
84704	17 18 52.78	+06 05 07.6	6.51	1 H	259.719 920 02	+06.085 431 57		7.17	12.58	7.78	0.61	0.46	0.75	0.68	0.53	− 2	−28	− 2	+28	+ 7	+14	+11	+31	−17	+ 0	2	0.60
84705	17 18 54.74	+63 43 21.8	7.34	H	259.728 067 29	+63.722 716 02		3.87	1.84	5.86	0.53	0.51	0.55	0.57	0.68	+ 9	−29	−12	+ 2	+ 1	+ 2	+ 2	+11	− 5	+13	0	0.60
84706	17 18 54.79	−22 42 28.1	9.13	H	259.728 296 45	−22.707 801 79		5.88	−1.76	−16.54	1.34	0.92	1.45	1.84	1.03	−12	−30	−14	+14	−27	− 4	−16	+67	−13	−25	0	0.70
84707	17 18 55.11	+00 34 45.0	8.85	H	259.729 625 29	+00.579 178 51		2.73	−21.08	−31.90	1.00	0.62	1.26	1.13	0.65	+23	−22	+ 5	+22	+33	− 6	+31	+29	− 7	+31	0	−0.03
84708	17 18 55.97	−70 48 46.9	12.19	2 H	259.733 190 94	−70.813 022 37		−8.10	8.42	10.60	5.04	8.33	10.39	4.98	8.45	+14	−18	−20	− 4	− 4	−10	− 9	−38	+ 5	+ 5	1	
84709	17 18 56.36	−34 59 22.5	5.91	G	259.734 834 26	−34.989 571 61		143.45	1149.24	−90.80	15.35	9.00	17.12	16.77	9.19	− 2	−34	− 8	+ 1	−17	−10	−10	−	1	−15	− 8	0	
84710	17 18 57.40	−04 18 27.1	7.95	H	259.739 162 75	−04.307 537 95		2.67	9.14	−6.00	1.20	0.72	1.25	1.73	0.83	+ 2	+30	+21	+60	+30	+32	+16	+50	+ 3	+10	0	1.19
84711	17 18 57.51	+70 47 16.1	7.13	H	259.739 627 51	+70.787 796 66		6.88	−7.22	19.98	0.49	0.49	0.53	0.51	0.55	+10	−11	− 8	− 4	+19	−17	+20	+23	−17	+17	0	−0.04
84712	17 18 57.91	−15 13 12.2	7.81	H	259.741 293 15	−15.220 051 92		12.01	21.69	−88.80	0.99	0.63	1.07	1.07	0.69	−25	−39	−12	+24	−23	+ 6	−13	+53	−18	−36	0	0.76
84713	17 18 58.25	−32 57 55.8	7.81	1 H	259.742 689 48	−32.965 494 69		−0.32	3.86	−1.98	0.98	0.54	1.12	1.01	0.55	−17	−44	− 3	+ 7	−13	−16	− 2	+27	−17	−25	0	−0.12
84714	17 18 58.40	+68 52 40.6	7.96	H	259.743 342 06	+68.877 931 12		11.93	34.30	6.89	0.65	0.63	0.65	0.77	0.68	+ 2	−	5	−	1	−	6	+26	−14	+21	+18	+ 2	+17	1	1.96
84715 H	17 18 58.70	+44 07 54.4	8.66	H	259.744 584 75	+44.131 786 01	A	4.00	12.64	40.04	1.17	1.30	1.25	1.19	1.56	+12	+ 3	+ 2	+ 8	+ 2	− 8	− 2	− 6	+11	− 2	0	0.04
84716 H	17 19 00.52	−38 48 51.2	11.03	G	259.752 180 44	−38.814 227 26	A	−4.74	−4.12	−4.05	5.39	2.85	5.31	6.08	2.75	+ 2	−22	+ 4	+35	+ 5	+ 0	+ 8	+27	−20	+16	1	1.10
84717	17 19 02.18	−48 41 47.5	7.89	H	259.759 102 51	−48.696 537 44		3.87	−7.93	−17.44	0.87	0.56	0.95	1.02	0.60	−12	−32	+14	+26	+ 1	+ 9	− 1	+32	+ 3	+ 3	0	0.11
84718	17 19 02.43	−32 40 22.5	8.99	G	259.760 124 42	−32.672 926 09		5.80	−1.13	−33.74	1.23	0.60	1.32	1.36	0.64	−12	−31	− 8	−30	+ 0	−25	+10	+ 4	− 4	−38	2	−0.60
84719	17 19 02.66	−20 34 06.5	8.78	G	259.761 078 94	−20.568 481 99		6.57	11.78	2.93	1.46	0.94	1.71	1.61	1.01	− 4	−47	−39	+25	−39	+21	− 4	+75	−39	−46	0	0.13
84720 H	17 19 02.95	−46 38 11.4	5.47	1 G	259.762 309 46	−46.636 500 10	A	113.81	1035.25	109.22	1.53	0.76	1.36	1.38	0.65	+ 7	−46	− 7	− 9	+ 5	+19	+ 7	−22	+ 4	+33	2	0.22
84721	17 19 03.64	−40 52 26.1	10.63	H	259.765 156 89	−40.873 906 43		2.11	−0.13	−15.91	2.06	1.05	2.29	2.16	1.07	+ 1	−38	− 9	+28	− 5	−16	+ 0	+20	−14	+ 2	0	−0.24
∗84722	17 19 03.82	+30 54 18.9	9.69	H	259.765 901 64	+30.905 257 83		3.61	−16.19	5.59	0.79	1.02	1.26	0.88	1.18	+ 8	−	7	−16	+10	+ 9	−28	+ 5	−13	+ 9	+ 9	0	0.76
∗84723	17 19 03.74	+12 22 27.2	8.46	H	259.765 581 46	+12.374 235 35		4.46	−2.64	−25.78	1.03	0.81	1.22	1.03	0.88	+33	−23	+ 5	+55	+50	+ 9	+53	+31	− 5	+42	4	1.31
84724	17 19 03.93	−56 21 01.3	8.62	H	259.766 382 76	−56.350 356 59		3.55	−6.70	−11.58	0.84	0.70	1.14	1.06	0.80	−18	−12	− 9	+ 8	− 8	+ 8	− 9	+33	+ 3	−10	0	−0.53
84725	17 19 08.23	−35 50 25.7	9.09	H	259.784 281 50	−35.840 459 30		6.84	16.61	−4.73	1.29	0.63	1.37	1.40	0.64	+ 0	−38	− 3	+29	+ 2	−13	+ 7	+21	−16	− 4	0	−1.55
84726	17 19 08.41	+30 37 56.9	10.80	2 H	259.785 021 79	+30.632 458 40		2.64	−0.51	−12.22	1.03	1.31	1.60	1.07	1.47	+11	−	3	+ 8	−12	+ 7	−19	+10	−17	+ 0	+19	0	−0.45
84727	17 19 09.40	+61 45 26.7	7.67	H	259.789 180 44	+61.757 414 97		3.80	3.49	−29.77	0.59	0.59	0.66	0.59	0.62	+12	−25	−14	− 6	−19	+11	−20	−16	+ 4	− 4	0	0.52
∗84728	17 19 11.27	−11 07 27.6	10.45	G	259.796 960 92	−11.124 326 12		9.09	167.31	−199.07	14.52	13.72	4.14	18.47	17.41	−13	−43	+34	−96	+ 7	+36	+15	−98	−36	−10	0	3.23
∗84729	17 19 09.70	−11 59 08.3	8.18	H	259.790 426 92	−11.985 644 68		5.99	−9.03	−15.24	0.93	0.63	1.04	1.03	0.74	−	9	−40	−13	+16	−30	− 2	−21	+40	+ 0	−45	3	0.72
∗84730	17 19 11.12	−52 51 31.9	8.11	H	259.796 318 38	−52.858 862 83		6.29	−18.34	−47.81	0.98	0.69	1.14	1.05	0.69	+11	−36	−19	+18	+13	+ 3	+15	+24	− 9	+ 6	0	−0.07
84731	17 19 12.51	−59 41 40.5	5.93	H	259.802 128 75	−59.694 591 45		1.59	−1.74	−8.39	0.53	0.44	0.71	0.64	0.47	+ 2	−	3	+ 0	−29	−21	+ 4	−18	−27	− 3	−20	0	−0.35
84732	17 19 14.91	+79 18 19.6	7.31	H	259.812 116 89	+79.305 436 94		8.12	10.69	−34.24	0.50	0.43	0.51	0.55	0.53	+12	−18	− 5	−26	+ 4	− 6	+ 2	+ 1	+ 1	+21	0	−1.38
84733	17 19 16.31	−52 55 05.8	8.42	H	259.817 951 41	−52.918 270 91		2.47	0.88	−7.36	1.09	0.75	1.27	1.19	0.76	+ 8	−37	− 1	+16	− 2	− 4	+ 4	+29	−13	+ 7	0	1.42
84734	17 19 16.62	−31 21 41.8	7.01	H	259.819 265 21	−31.361 603 29		10.89	−10.36	−39.29	0.88	0.47	1.00	0.86	0.48	−15	−48	−11	+ 9	− 6	−19	+ 0	+31	− 7	−34	2	0.11
84735	17 19 16.84	−39 48 25.1	8.73	1 H	259.820 170 34	−39.806 972 30		0.90	0.61	−4.99	1.33	0.73	1.42	1.49	0.78	+18	−44	−31	+44	+11	− 4	+17	+48	−21	+10	0	0.77
84736	17 19 17.17	+11 10 20.6	7.70	H	259.821 531 53	+11.172 388 49		2.96	−4.88	−9.20	0.84	0.65	1.01	0.87	0.72	+34	−39	−15	+39	+45	− 2	+46	+36	− 9	+43	0	−0.49
∗84737	17 19 19.78	−53 23 07.2	8.33	H	259.832 412 17	−53.385 336 80		14.30	−13.35	−176.27	0.99	0.71	1.17	1.08	0.70	−	2	−24	− 3	+15	−10	− 6	− 7	+19	− 9	− 9	5	−0.37
∗84738	17 19 19.66	+67 16 56.1	7.74	2 H	259.831 908 45	+67.282 250 34		2.08	0.15	−11.13	0.62	0.57	0.61	0.67	0.72	+ 5	−11	− 5	−21	+ 0	− 9	− 5	+17	+ 0	+17	0	−0.15
84739	17 19 19.93	−06 35 33.2	9.65	H	259.833 037 41	−06.592 567 31		10.19	−62.14	−5.73	1.43	0.98	1.53	1.84	1.14	+ 4	−23	−20	+36	+ 0	+15	+ 3	+40	− 5	−22	0	−1.06
84740	17 19 20.37	+34 09 05.0	9.06	H	259.834 890 03	+34.151 391 96		19.70	168.94	1.44	0.77	0.87	1.05	0.85	1.11	+15	−14	− 2	+18	+11	−10	+ 9	+ 2	+ 9	+ 5	0	−0.99
84741 H	17 19 20.48	−02 21 00.1	10.21	G	259.835 347 15	−02.350 024 18	∗	11.48	−30.52	−0.74	5.67	5.42	2.79	3.17	2.10	+33	−15	+ 5	+17	− 7	−31	− 1	+31	−11	−22	8	−0.15
84742	17 19 21.30	−02 44 56.9	7.29	H	259.838 738 64	−02.749 136 72		4.94	3.08	−9.65	1.00	0.67	1.18	1.34	0.84	−	1	−32	−12	+36	+ 7	−25	+12	+58	−24	− 7	0	2.62
84743 H	17 19 23.87	+28 01 33.4	7.05	H	259.849 478 44	+28.025 945 70	A	4.74	−7.00	−6.32	1.67	2.13	0.87	0.74	0.81	+56	− 5	− 2	+ 4	+ 5	−16	+ 0	− 1	− 2	+32	4	0.31
84744	17 19 24.07	+27 17 01.9	6.80	2 H	259.850 293 89	+27.283 856 68		3.41	10.28	−17.14	0.42	0.55	0.75	0.51	0.66	+ 2	−15	− 6	+ 2	+ 3	−18	+ 4	+ 4	−20	+10	1	−1.13
84745	17 19 24.15	−38 00 13.3	7.84	2 H	259.850 610 94	−38.003 681 16		0.08	3.38	−2.35	0.93	0.55	0.99	1.04	0.60	−	7	−31	− 6	+15	−12	− 3	− 7	+35	− 9	−16	0	0.81
∗84746	17 19 24.51	−53 22 23.1	8.92	H	259.852 145 19	−53.373 083 55		9.22	−46.61	−71.55	1.05	0.76	1.24	1.17	0.76	−	4	−21	+ 0	+17	− 9	− 7	− 5	+24	−12	− 9	0	0.25
∗84747	17 19 24.49	+79 22 15.7	8.79	H	259.852 044 89	+79.371 040 43		3.78	−8.11	−4.50	0.64	0.55	0.66	0.71	0.70	+11	−17	− 2	−22	+11	− 5	+ 8	+ 9	+ 6	+23	0	−1.09
84748	17 19 24.63	−44 13 22.8	6.64	G	259.852 621 57	−44.222 999 64		3.51	2.47	−11.88	0.74	0.47	0.79	0.81	0.48	−19	−29	− 6	+21	−19	+ 9	−16	+25	− 4	−28	0	1.20
84749	17 19 24.98	−37 06 13.2	9.94	H	259.854 066 63	−37.103 670 15		3.91	−6.51	−18.49	1.56	0.78	1.56	2.17	0.82	+14	−	3	−	2	+37	+20	+21	+17	+27	+ 4	4	1.65
84750	17 19 25.53	−28 30 54.7	9.54	G	259.856 383 11	−28.515 207 77		8.05	−19.45	−48.31	1.45	0.84	1.62	1.69	0.85	−	3	−29	−24	+12	−15	− 9	− 7	+46	−13	−25	2	2.19
84751	17 19 25.65	−31 44 27.9	9.42	H	259.856 892 31	−31.741 073 02		2.26	0.96	−8.38	1.39	0.79	1.51	1.61	0.81	−31	−34	− 1	+ 0	+ 4	−23	+ 3	+16	+ 1	−37	0	−0.34
84752	17 19 27.09	+33 05 10.0	11.31	3 H	259.862 883 14	+33.086 106 78		−2.64	−18.86	− 1.36	7.02	8.18	10.10	8.39	11.33	+ 8	−	4	−	1	−	7	−	4	−13	−	5	−20	−23	+	2	1	
84753	17 19 27.16	−51 20 03.9	10.11	H	259.863 150 83	−51.334 418 43		4.10	0.03	−45.39	1.66	1.11	1.90	1.97	1.10	−	4	−13	−11	−	2	+31	−	2	+26	+	2	+	3	−	8	0	−0.65
84754	17 19 28.20	−44 05 07.1	10.04	G	259.867 481 85	−44.085 303 88		18.42	−101.94	−260.98	1.85	1.13	1.96	2.04	1.15	−32	−38	+ 2	+20	−13	+13	− 9	+23	− 9	−37	0	0.15
84755 H	17 19 28.87	−54 21 48.7	8.59	2 H	259.870 275 83	−54.363 527 55	A	7.74	−2.08	−45.86	1.80	1.37	1.66	1.88	1.25	−27	−22	+ 8	+19	−22	−11	−18	+32	+ 5	−41	2	0.96
84756	17 19 29.36	+56 10 45.7	8.31	H	259.872 340 49	+56.179 362 56		2.41	8.02	−15.98	0.62	0.67	0.70	0.69	0.85	+ 2	−	5	+ 6	+ 8	+ 2	+ 8	+ 1	+13	+20	+ 0	0	−0.18
84757	17 19 29.90	−45 38 23.8	6.93	G	259.874 589 17	−45.639 956 70		−0.86	−0.11	− 3.37	0.81	0.49	0.89	0.80	0.48	−10	−45	− 6	+ 9	−13	− 4	−11	+ 6	+ 0	−13	0	1.73
84758	17 19 30.41	−29 17 37.9	8.75	H	259.876 693 20	−29.293 847 97		5.12	15.59	2.17	1.26	0.73	1.46	1.45	0.75	+ 5	−33	−26	− 5	−21	−19	− 7	+37	−15	−29	0	−0.38
84759	17 19 30.51	−50 03 49.3	6.27	H	259.877 121 19	−50.063 683 83		17.95	7.16	−32.33	0.79	0.47	0.80	0.88	0.47	−23	−29	− 4	+30	−12	+ 6	−12	+20	+ 1	−27	4	0.14
84760	17 19 30.55	−55 06 59.4	7.23	H	259.877 295 52	−55.116 489 23		7.73	4.67	−20.20	0.63	0.51	0.80	0.80	0.54	−38	−	3	−	3	+10	+ 3	+11	+ 0	+11	+12	−26	2	0.82
84761	17 19 30.88	−22 59 30.9	9.34	G	259.878 671 33	−22.991 930 12		9.39	−5.86	−53.00	1.53	0.89	1.68	1.90	0.95	+ 2	−32	−13	+17	−21	−22	−11	+53	−17	− 8	0	−0.62
84762 H	17 19 31.76	+58 31 45.1	8.70	H	259.882 334 01	+58.529 181 62	A	4.23	2.07	−13.71	1.57	1.67	1.48	1.89	2.31	+24	+ 7	− 4	+ 0	+ 6	+10	+11	−11	+17	+40	1	−0.25
84763	17 19 32.11	+01 30 54.2	10.65	3 H	259.883 802 58	+01.515 042 06		−0.47	6.66	7.25	1.15	0.77	1.47	1.26	0.74	−11	−28	+18	−10	+37	+ 3	+35	+ 2	−22	+ 3	0	0.19
84764	17 19 32.93	+06 46 53.9	8.89	H	259.887 203 62	+06.781 649 49		2.47	−1.10	−8.82	1.18	0.86	1.31	1.27	0.96	+ 7	−29	+ 1	+50	+27	− 4	+29	+41	−11	+11	0	0.62
∗84765	17 19 33.90	+19 21 46.6	7.52	H	259.891 262 39	+19.362 934 73		3.53	7.68	−31.44	0.67	0.64	1.00	0.82	0.81	+ 5	−	9	−10	−	1	+14	−	5	+15	+16	−	4	+14	−	9	0	−0.25
∗84766	17 19 33.88	−41 56 16.4	9.32	H	259.891 158 00	−41.937 897 57		2.87	−0.65	−18.21	1.46	0.81	1.63	1.56	0.80	−16	−33	− 6	+28	− 5	+11	+ 0	+19	−13	−19	0	0.48
84767	17 19 35.42	+19 16 28.2	8.18	H	259.897 570 75	+19.274 503 38		1.56	3.46	−15.23	0.79	0.74	1.13	0.89	0.91	+ 0	−	9	−10	−	1	+ 7	−	5	+ 8	+18	−37	+10	0	0.53
84768	17 19 35.69	+21 56 34.0	7.83	H	259.898 708 15	+21.942 771 22		2.97	−2.64	− 9.63	0.56	0.64	0.89	0.73	0.77	−14	−22	+ 6	+20	+14	− 7	+13	+21	− 5	+ 0	5	0.95
∗84769	17 19 37.05	+80 08 11.0	5.74	H	259.904 363 03	+80.136 398 98		3.29	18.49	0.16	0.46	0.42	0.47	0.46	0.49	+21	−22	−17	− 8	+ 2	− 2	+ 2	+13	− 9	+25	0	0.26
∗84770	17 19 37.04	+07 28 51.4	8.81	H	259.904 333 93	+07.480 938 43		1.16	−8.16	28.50	1.21	0.88	1.37	1.34	1.00	+19	−29	− 4	+48	+47	−15	+48	+36	− 9	+28	2	−0.75
84771	17 19 37.39	−41 52 15.2	8.44	H	259.905 805 86	−41.870 899 29		2.04	1.66	− 6.32	1.16	0.61	1.34	1.19	0.62	−	3	−38	−13	+27	− 5	+16	+ 2	+23	−13	−11	2	0.30
84772	17 19 40.03	+25 25 55.5	10.87	H	259.916 794 48	+25.432 082 80		1.64	0.75	12.61	1.16	1.56	2.39	1.37	2.25	+ 6	−12	− 1	−22	− 1	−16	+ 6	+ 3	−38	+ 3	2	1.06
84773	17 19 40.88	+62 37 09.1	8.85	G	259.920 327 37	+62.619 204 13		2.66	10.50	16.91	0.61	0.65	0.66	0.73	0.84	+11	−	7	−	5	−	3	+ 4	−	3	+ 9	+ 1	+18	0	0.45
84774	17 19 42.71	−49 45 37.5	9.88	H	259.927 941 52	−49.760 413 82		0.51	−0.34	−19.01	1.83	1.06	1.85	2.23	1.06	−20	−29	+11	+24	+ 1	+ 0	− 2	+14	+ 7	−11	0	0.45
84775	17 19 42.87	+39 17 24.5	7.80	2 H	259.928 618 06	+39.290 143 66		1.78	12.95	−16.48	0.58	0.70	0.76	0.59	0.82	−12	+	2	−22	−14	+23	−22	+22	−32	+28	−12	1	1.39
84776	17 19 43.24	+33 55 20.0	7.91	H	259.930 183 39	+33.922 211 75		3.67	−11.80	−26.43	0.56	0.60	0.75	0.68	0.78	−	2	−16	+	5	+	8	−	1	−11	−	1	−	9	+	4	+	5	0	−0.25
84777	17 19 43.41	−58 36 28.2	9.60	H	259.930 884 51	−58.607 826 60		9.16	−4.77	−40.31	1.16	0.93	1.55	1.43	1.04	−22	−14	−10	−	5	−26	+17	−24	−11	+16	−26	0	−0.15
84778	17 19 43.54	−31 41 26.6	8.78	H	259.931 422 66	−31.690 716 76		4.52	3.54	− 5.43	1.19	0.67	1.32	1.36	0.71	−17	−24	−	6	+	0	−	5	−18	−	1	+22	−	2	−35	0	−0.53
84779	17 19 45.22	−78 03 57.5	8.50	H	259.938 420 46	−78.065 972 54		6.10	−18.04	−47.32	0.61	0.74	0.90	0.66	0.89	−	6	−28	+13	−	7	−	4	+	8	−	6	−	8	−	2	−	15	1	0.23
84780	17 19 46.49	+02 08 22.1	6.43	2 H	259.943 706 98	+02.139 482 84		5.44	23.85	23.26	0.77	0.49	0.95	0.99	0.52	+	0	−11	−19	−10	+39	−20	+30	+10	−14	+15	0	0.44
84781	17 19 46.55	+06 33 12.6	8.14	H	259.943 944 41	+06.553 510 48		14.79	−255.34	93.30	0.92	0.69	1.07	0.97	0.74	+12	−27	−20	+44	+ 9	+ 5	+13	+45	−14	+ 0	0	−0.16
84782	17 19 47.25	−74 36 20.4	7.53	H	259.946 884 47	−74.605 679 13		9.99	8.73	−31.50	0.43	0.57	0.71	0.47	0.70	+ 4	−17	+ 3	−	1	−11	−	6	−10	−16	−12	−	1	0	0.19
84783	17 19 47.65	+24 48 40.4	9.10	H	259.948 528 16	+24.811 225 17		5.58	−5.55	0.57	0.60	0.95	1.47	0.72	1.29	+13	−13	−18	+ 8	+ 2	+ 2	+ 8	+18	−41	+ 5	0	0.75
84784	17 19 50.15	−04 02 56.4	7.87	G	259.958 943 75	−04.049 006 48		9.98	5.38	−18.48	1.19	0.87	1.14	1.65	0.98	+ 6	+10	+30	+70	+26	+30	+15	+75	+ 6	+ 5	0	−1.29
84785	17 19 50.95	+45 18 30.3	6.66	H	259.962 276 88	+45.308 414 33		15.04	−30.42	87.62	0.50	0.52	0.57	0.64	0.70	+ 7	−	8	−21	+10	+10	−	6	+13	−12	+	6	+25	0	0.08
84786	17 19 51.36	+33 26 22.9	8.45	H	259.964 008 95	+33.439 684 87		2.13	5.04	4.76	0.66	0.72	0.90	0.76	0.96	−	1	−16	+	4	+16	−	5	−13	−	4	+	8	−	8	−	5	0	−0.31
84787	17 19 51.43	−48 32 55.7	6.67	G	259.964 293 19	−48.548 808 92		18.15	−35.37	−209.84	0.76	0.47	0.83	0.93	0.50	−11	−29	+10	+27	+ 3	+14	+ 1	+26	+ 2	+ 4	0	−0.97
84788 H	17 19 51.48	−19 40 42.4	9.51	H	259.964 506 94	−19.678 434 90	A	6.05	−3.60	−24.26	2.70	1.93	2.33	3.27	1.85	−15	−10	−27	+29	−47	+20	−33	+76	−29	−34	4	−0.02
84789 H	17 19 51.94	−11 21 06.2	8.71	H	259.966 425 41	−11.351 734 63	A	7.28	8.15	13.54	2.84	1.82	2.82	2.91	1.81	+ 5	−31	+ 3	−13	+ 0	− 1	+ 2	+40	− 3	+ 5	2	0.09
84790	17 19 52.49	+41 42 57.0	11.37	G	259.968 711 07	+41.715 821 41		80.98	285.50	−822.44	1.45	1.57	1.77	1.71	2.26	+ 2	−	8	−13	−	9	+ 3	+ 4	+ 5	−14	+ 3	6	1	−0.65
84791	17 19 53.14	−16 15 43.0	8.99	H	259.971 399 08	−16.261 939 50		10.38	−9.10	−72.49	1.40	0.94	1.49	1.97	1.03	−17	−24	−19	+12	−41	+ 5	−30	+60	−24	−14	0	1.47
84792 H	17 19 53.35	−17 45 23.3	6.03	G	259.972 301 44	−17.756 478 81	A	8.74	−3.16	−26.60	1.26	0.88	1.24	1.29	0.85	−	7	−36	−11	+	7	−28	+	5	−18	+56	−12	−17	4	0.47
84793	17 19 53.50	+51 52 52.6	7.84	H	259.972 919 43	+51.881 266 86		4.23	7.27	−31.86	0.56	0.69	0.67	0.55	0.76	−	5	−	4	−	9	−	4	+14	−11	+15	−10	−	2	−	6	0	−1.74
84794	17 19 54.35	+26 30 00.0	11.26	2 H	259.976 450 29	+26.499 999 89		83.01	−221.17	348.97	3.40	4.44	6.03	4.10	5.61	+ 6	−18	−12	−13	+ 5	− 1	+ 8	−12	−16	+ 8	0		
84795	17 19 55.92	+61 39 03.9	8.99	H	259.982 996 44	+61.651 076 64		2.25	−20.00	5.38	0.73	0.74	0.80	0.77	0.83	+10	−22	−11	−	5	−26	+ 2	−28	−15	+ 0	−	9	1	0.87
84796	17 19 56.92	+48 21 24.1	9.77	H	259.987 154 24	+48.356 687 04		3.44	14.54	29.52	0.90	1.03	1.10	1.01	1.35	+11	−22	−13	−	5	+ 8	−19

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data										Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″		ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65		66	67	68-70
84701	9.529	0.014	9.532	0.019		−0.001	0.021	T	0.02	0.02	L	9.5558	0.0027	0.024	133		9.52	9.61					1								
84702	8.230	0.009	7.614	0.008		0.574	0.011	T	0.65	0.01	L	7.6738	0.0013	0.011	111		7.66	7.69		C			1								S
84703	9.061	0.018	8.661	0.019		0.383	0.020	G	0.45	0.02	H	8.6878	0.0025	0.026	60		8.64	8.72		U			1 S								
84704	6.974	0.004	6.564	0.004		0.388	0.005	T	0.45	0.01	L	6.6033	0.0011	0.011	104		6.58	6.62		M			1								S P
84705	7.391	0.007	7.349	0.007		0.043	0.009	T	0.06	0.01	L	7.3626	0.0010	0.011	112		7.35	7.38		C			1								S
84706	9.640	0.021	9.172	0.022		0.446	0.020	G	0.52	0.02	H	9.2340	0.0025	0.017	68		9.20	9.26		C			1								
84707	10.511	0.030	8.998	0.015		1.272	0.026	T	1.23	0.03	L	9.0150	0.0020	0.016	119		8.99	9.06					1 S								
84708											T	12.3252	0.0178	0.168	190		12.07	12.64		U 2			1 X S								D P
84709						1.082	0.027	G	1.21	0.02	A	6.0195	0.0008	0.007	93		6.01	6.03		D	17190−3459	I 1	1 X S								S
84710	10.627	0.038	8.264	0.011		1.948	0.032	T	1.98	0.03	L	8.0276	0.0013	0.014	93		8.01	8.05					1 S								
84711	7.191	0.004	7.135	0.007		0.056	0.007	T	0.07	0.01	L	7.1539	0.0008	0.008	95		7.14	7.17		C			1								S
84712	8.450	0.012	7.879	0.013		0.553	0.015	G	0.63	0.01	H	7.9266	0.0010	0.009	77		7.91	7.95					1								S
84713	10.371	0.039	8.088	0.012		1.098	0.150	G	1.85	0.09	M	7.9013	0.0024	0.016	90		7.87	7.93		U			1								
84714	8.612	0.019	8.014	0.017		0.554	0.015	G	0.63	0.01	H	8.0819	0.0010	0.012	95		8.06	8.11		D			1								S
84715	8.946	0.019	8.488	0.018	*	0.432	0.024	T	0.50	0.03	L *	8.7619	0.0010	0.014	104	*	8.73	8.78		D	17190+4408	I 1	2 C A	AB	253	2.003	0.004		1.04	0.02	
84716						1.474	0.015	G	1.49	0.02	H *	10.9511	0.0050	0.039	86	*	10.88	11.02		C	17190−3849	M 1	2 C B	AB	141	9.879	0.063		2.20	0.18	G
84717	7.880	0.009	7.897	0.011		−0.011	0.013	T	0.01	0.01	L	7.8937	0.0009	0.010	85		7.88	7.91		C			1								S
84718	9.661	0.021	9.054	0.020		0.502	0.015	G	0.57	0.02	H	9.1060	0.0015	0.014	87		9.08	9.13		C			1								
84719	9.287	0.021	8.865	0.022		0.418	0.020	G	0.48	0.02	H	8.8769	0.0023	0.014	58		8.86	8.90			17190−2034	I 1	1								
84720						0.764	0.400	G	0.94	0.02	A *	5.6072	0.0014	0.011	76	*	5.59	5.63		U 2	17191−4638	I 1	2 C A	AB	250	8.658	0.052		3.22	0.10	S
84721	10.993	0.065	10.514	0.066		0.451	0.084	T	0.52	0.09	L	10.7340	0.0042	0.032	70		10.67	10.79		C			1								G
84722	10.197	0.025	9.696	0.023		0.471	0.031	T	0.54	0.03	L	9.7939	0.0025	0.027	148		9.73	9.85		C			1								
84723	9.864	0.028	8.569	0.017		1.101	0.026	T	1.06	0.03	L	8.6323	0.0021	0.011	64		8.61	8.65		C			1								
84724	8.736	0.012	8.633	0.015		0.093	0.018	T	0.11	0.02	L	8.6612	0.0018	0.020	106		8.62	8.71					1								
84725	9.465	0.022	9.112	0.022		0.343	0.028	T	0.40	0.04	L	9.1700	0.0033	0.017	84		9.14	9.20					1								
84726	12.372	0.178	10.893	0.072		1.265	0.158	T	3.35	0.83	K	10.5878	0.0126	0.109	146		10.41	10.75		U 2			1								G
84727	9.587	0.019	7.834	0.009		1.461	0.017	T	1.47	0.03	L	7.8006	0.0015	0.013	97		7.78	7.83					1								S
84728						1.410	0.042	G	1.70	0.11	I	10.5933	0.0080	0.031	31		10.55	10.64		D	17192−1107	I 1	1 G								G
84729	8.403	0.013	8.212	0.014		0.183	0.018	T	0.20	0.02	L	8.2367	0.0018	0.013	63		8.22	8.26		C			1								S
84730	9.565	0.022	8.248	0.013		1.118	0.020	T	1.08	0.02	L	8.2755	0.0019	0.016	81		8.24	8.30		C			1								
84731	7.725	0.006	6.064	0.003		1.389	0.005	T	1.36	0.01	L	6.0773	0.0007	0.007	172		6.07	6.09		C	17192−5942	I 1	1 S								S
84732	7.516	0.006	7.322	0.007		0.163	0.015	G	0.18	0.01	H	7.3663	0.0011	0.009	124		7.35	7.38		C			1								S
84733	10.676	0.052	8.611	0.017		1.709	0.044	T	1.73	0.04	L	8.5211	0.0023	0.020	80		8.48	8.55					1								
84734	7.157	0.006	7.026	0.007		0.119	0.009	T	0.13	0.01	L	7.0526	0.0011	0.009	83		7.04	7.07					1								S
84735	9.144	0.016	8.758	0.016		0.365	0.021	T	0.43	0.02	L	8.8179	0.0042	0.024	86		8.78	8.86		U			1								
84736	7.756	0.009	7.701	0.011		0.056	0.013	T	0.07	0.01	L	7.7219	0.0012	0.010	85		7.70	7.75					1								S
84737	9.498	0.025	8.408	0.017		0.942	0.023	T	0.93	0.02	L	8.4911	0.0015	0.014	75		8.47	8.58		D	17194−5323	I 2	1								
84738	9.849	0.022	7.958	0.009		1.604	0.020	T	2.14	0.05	O	7.8177	0.0029	0.027	100		7.78	7.85		U 2			1 S								S
84739	10.529	0.048	9.705	0.037		0.727	0.046	T	0.78	0.03	L	9.7831	0.0035	0.014	54		9.76	9.81		C			1								
84740	10.083	0.023	9.151	0.017		0.810	0.022	T	0.84	0.02	L	9.1970	0.0019	0.022	126		9.16	9.23					1								
84741	11.309	0.078	10.230	0.049	*	0.975	0.015	G	1.02	0.02	I *	10.3700	0.0036	0.033	75	*	10.31	10.41		D	17193−0221	I 1	2 C A	AB	102	0.221	0.019		0.01	0.53	G
84742	8.773	0.013	7.430	0.008		1.139	0.012	T	1.10	0.01	L	7.4542	0.0012	0.011	79		7.44	7.47		C			1								S
84743	7.092	0.004	7.059	0.005	*	0.035	0.006	T	0.05	0.01	L *	7.0733	0.0010	0.012	148	*	7.06	7.09		D	17194+2802	I 1	2 C A	AB	35	0.307	0.011		2.33	0.13	S
84744	8.940	0.009	6.993	0.004		1.657	0.004	G	1.99	0.05	F	6.8817	0.0022	0.027	178		6.85	6.93		U 2			1								S P
84745	8.049	0.011	7.900	0.014		0.200	0.011	G	0.22	0.01	H	7.9066	0.0110	0.073	95		7.78	7.97		U 2			1								S
84746	9.475	0.024	8.951	0.024		0.501	0.026	T	0.57	0.03	L	9.0348	0.0021	0.017	72		9.01	9.07		C	17194−5323	I 2	1								
84747	8.999	0.013	8.780	0.014		0.209	0.018	T	0.23	0.02	L	8.8558	0.0018	0.017	120		8.82	8.89					1								
84748	6.867	0.006	6.676	0.005		0.211	0.015	G	0.29	0.02	A	6.7047	0.0013	0.008	85		6.70	6.72			17194−4413	I 1	1 S								S
84749	10.825	0.054	10.042	0.042		0.711	0.053	T	0.77	0.04	L	10.0831	0.0030	0.022	82		10.03	10.12					1								G
84750	10.149	0.038	9.589	0.038		0.549	0.020	G	0.62	0.02	H	9.6593	0.0019	0.013	65		9.63	9.70					1								G
84751	10.205	0.031	9.507	0.027		0.630	0.015	G	0.70	0.01	H	9.5561	0.0021	0.015	83		9.53	9.58		C			1								G
84752	12.291	0.205	11.105	0.115		1.577	0.082	G	2.55	0.19	I	11.3199	0.0101	0.146	126		10.86	11.51		U 2			1 X S								D G
84753	10.888	0.055	10.244	0.051		0.598	0.065	T	0.67	0.06	L	10.2387	0.0029	0.034	87		10.17	10.29					1 S								G
84754	11.119	0.078	10.226	0.058		0.841	0.020	G	0.88	0.02	H	10.2169	0.0043	0.032	77		10.17	10.26					1								G
84755	8.973	0.021	8.565	0.023	*	0.386	0.029	T	0.45	0.03	L *	8.6856	0.0038	0.029	68	*	8.62	8.74		U 2	17195−5422	I 1	2 C A	AB	41	8.659	0.011		1.98	0.07	
84756	9.491	0.017	8.381	0.011		0.957	0.016	T	0.94	0.01	L	8.4772	0.0016	0.014	103		8.45	8.50					1								S
84757	7.174	0.007	7.008	0.007		0.037	0.005	G	0.05	0.00	H	6.8620	0.0009	0.008	77		6.85	6.87		C			1								S
84758	9.617	0.022	8.823	0.019		0.704	0.022	T	0.76	0.02	L	8.8868	0.0020	0.017	78		8.86	8.92		C			1								
84759	6.757	0.005	6.320	0.006		0.413	0.007	T	0.48	0.01	L	6.3619	0.0010	0.007	75		6.35	6.37			17195−5004	I 1	1								S
84760	7.418	0.006	7.256	0.006		0.156	0.008	T	0.17	0.01	L	7.2858	0.0010	0.010	110		7.26	7.30					1								S
84761	9.977	0.031	9.409	0.031		0.542	0.020	G	0.62	0.02	H	9.4695	0.0021	0.016	68		9.45	9.50		C			1								
84762	8.875	0.024	8.474	0.022	*	0.379	0.031	T	0.44	0.03	L *	8.7887	0.0016	0.012	88	*	8.77	8.81		D	17195+5832	I 1	2 C A	AB	64	1.679	0.004		0.25	0.01	
84763	11.307	0.071	9.306	0.021		1.500	0.510	G	3.26	1.20	Q	10.4665	0.2266	1.131	137		8.12	11.71	345.00	P 1 A			1 S								G
84764	10.446	0.033	9.032	0.017		1.194	0.029	T	1.15	0.03	L	9.0567	0.0023	0.015	78		9.03	9.08		C			1								
84765	9.326	0.017	7.708	0.009		1.355	0.015	T	1.32	0.02	L	7.6743	0.0017	0.014	106		7.65	7.70					1								S
84766	10.029	0.031	9.421	0.029		0.567	0.037	T	0.64	0.03	L	9.4479	0.0024	0.016	69		9.41	9.47					1								G
84767	9.918	0.024	8.337	0.012		1.326	0.021	T	1.29	0.02	L	8.3351	0.0023	0.019	102		8.30	8.37					1								
84768	9.614	0.015	7.984	0.008		1.364	0.013	T	1.33	0.01	L	7.9784	0.0013	0.013	151		7.96	8.00		C			1								
84769	7.693	0.008	5.893	0.004		1.499	0.007	T	1.53	0.01	L	5.8636	0.0010	0.007	110		5.85	5.88					1								S
84770	10.283	0.034	8.916	0.019		1.158	0.031	T	1.12	0.03	L	8.9764	0.0019	0.013	75		8.95	9.01		C			1								
84771	8.541	0.013	8.437	0.016		0.128	0.015	G	0.07	0.01	L	8.4691	0.0020	0.017	74		8.45	8.49					1								
84772	10.916	0.058	10.974	0.098		−0.048	0.103	T	−0.03	0.10	L	10.8576	0.0048	0.047	156		10.79	10.94					1 S								G
84773	8.724	0.012	8.792	0.016		−0.063	0.015	G	−0.04	0.01	H	8.8304	0.0017	0.013	97		8.80	8.85					1								
84774	11.351	0.101	10.009	0.050		1.138	0.088	T	1.10	0.09	L	10.0561	0.0048	0.031	71		10.01	10.11					1								G
84775	10.013	0.021	8.013	0.009		1.694	0.019	T	2.22	0.06	O	7.8611	0.0064	0.046	120		7.79	7.93		U 2			1								
84776	9.106	0.013	8.019	0.009		0.940	0.012	T	0.93	0.01	L	8.0690	0.0012	0.011	129		8.05	8.09					1								S
84777	10.396	0.028	9.643	0.024		0.673	0.028	T	0.73	0.02	L	9.7321	0.0027	0.024	124		9.69	9.78		C			1								G
84778	10.152	0.030	8.903	0.018		1.140	0.015	G	1.10	0.02	H	8.9136	0.0018	0.019	82		8.88	8.94		C			1								
84779	9.008	0.011	8.533	0.010		0.460	0.012	T	0.53	0.01	L	8.6062	0.0016	0.017	151		8.57	8.64		C			1								
84780	8.461	0.015	6.712	0.012		1.487	0.016	T	3.32	0.04	O	6.2125	0.0114	0.097	99		6.05	6.56		U 2			1 S								S P
84781	9.107	0.014	8.231	0.011		0.782	0.013	T	0.82	0.01	L	8.2938	0.0020	0.014	89		8.27	8.32		C			1								S
84782	7.933	0.007	7.569	0.006		0.345	0.009	T	0.40	0.01	L	7.6126	0.0011	0.014	176		7.59	7.64					1								S
84783	9.612	0.015	9.161	0.015		0.425	0.019	T	0.49	0.02	L	9.1943	0.0018	0.021	194		9.16	9.23		C			1								
84784	8.432	0.011	7.903	0.010		0.510	0.015	G	0.58	0.02	H	7.9740	0.0010	0.011	109		7.96	7.99					1								S
84785	7.042	0.006	6.692	0.005		0.332	0.007	T	0.39	0.01	L	6.7378	0.0008	0.009	111		6.72	6.76					1								S
84786	9.566	0.017	8.533	0.012		0.899	0.016	T	0.90	0.01	L	8.6047	0.0016	0.017	145		8.58	8.64		C			1								S
84787	7.412	0.006	6.750	0.005		0.614	0.008	G	0.68	0.01	H	6.8021	0.0011	0.008	84		6.79	6.82					1								S
84788	10.112	0.035	9.733	0.039	A	0.490	0.400	G	0.50	0.07	L *	9.6110	0.0022	0.018	67	*	9.58	9.65		D	17199−1941	I 1	2 C A	AB	202	1.581	0.018		2.08	0.08	G
84789	9.266	0.027	8.691	0.026	*	0.537	0.033	T	0.61	0.04	L *	8.8300	0.0029	0.019	67	*	8.80	8.89		D	17199−1121	I 1	2 C A	AB	221	5.561	0.006		0.80	0.02	S
84790						1.560	0.015	G	2.48	0.06	I	11.4233	0.0055	0.051	110		11.34	11.50					1								G
84791	9.585	0.026	9.047	0.025		0.498	0.020	G	0.57	0.02	H	9.0980	0.0022	0.020	68		9.08	9.13					1								
84792	6.012	0.010	5.954	0.009	*	0.040	0.009	G	0.06	0.01	H *	6.0400	0.0006	0.006	73	*	6.03	6.05		D	17199−1745	I 1	2 C A	AB	263	2.339	0.004		1.25	0.01	S
84793	9.142	0.015	7.943	0.010		1.026	0.014	T	1.00	0.01	L	8.0126	0.0017	0.013	94		7.99	8.03		C			1								
84794						1.628	0.082	G	2.67	0.20	I	11.2437	0.0060	0.071	151		11.13	11.38		U 2			1 X S								G
84795	11.062	0.062	9.217	0.023		1.534	0.052	T	1.58	0.11	L	9.1074	0.0033	0.022	92		9.08	9.14					1								
84796	10.400	0.039	9.766	0.036		0.589	0.046	T	0.66	0.04	L	9.9000	0.0021	0.024	95		9.85	9.95					1								
84797	8.867	0.011	8.402	0.011		0.438	0.014	T	0.51	0.01	L	8.4641	0.0018	0.019	148		8.43	8.50					1								S
84798	10.826	0.071	9.994	0.058	A	1.200	0.495	G	0.79	0.07	B *	9.7498	0.0033	0.022	67	*	9.71	9.81		R	17200−2132	I 1	2 C A	AB	112	1.910	0.011		1.27	0.03	G
84799	9.427	0.016	8.841	0.014	*	0.549	0.016	T	0.62	0.01	L *	8.8883	0.0018	0.022	128	*	8.85	8.92		D	17200−6207	I 1	2 C A	AB	220	0.227	0.006		0.63	0.15	
84800	9.834	0.020	9.204	0.017	*	0.581	0.019	T	0.65	0.02	L *	9.2433	0.0015	0.016	130	*	9.21	9.28		D	17200−8341	H 1	2 C A	AB	213	0.645	0.027		3.01	0.10	

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)												Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr													%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
*84801	17 19 59.53	−05 55 01.3	6.31	G	259.998 030 77	−05.917 038 22		18.74	45.42	−193.58	0.81	0.58	0.86	0.97	0.63	−22	−24	−	3	+33	+	3	+	6	+	2	+48	−	6	−29	2	−0.14
84802	17 19 59.99	−51 57 55.2	8.32	H	259.999 970 96	−51.965 323 69		2.47	−11.67	−10.02	0.97	0.70	1.11	1.24	0.73	+	7	−22	−13	+	2	+37	+	3	+31	+11	−	2	+10	0	0.47
*84803	17 20 00.15	−08 01 21.4	7.93	H	260.000 607 81	−08.022 609 32		14.03	−16.12	−224.50	1.34	0.73	1.69	1.24	0.77	+22	−67	−38	+	6	−27	+	6	+10	+44	−32	−14	0	0.28
*84804	17 20 00.04	−00 19 32.4	7.98	H	260.000 165 47	−00.325 656 35		6.28	−37.79	−23.33	0.85	0.52	1.00	0.94	0.57	+14	−32	+	0	+29	+26	+	4	+28	+34	−15	+23	0	−1.42
*84805	17 20 00.10	+07 58 10.9	7.85	H	260.000 399 61	+07.969 685 24		5.61	7.68	2.03	0.91	0.67	1.10	0.90	0.75	+16	−41	−	8	+41	+37	−	2	+38	+39	−	9	+10	0	−0.41
84806	17 20 00.41	−30 25 44.9	8.80	G	260.001 704 21	−30.429 140 31		9.75	−14.43	−45.97	1.21	0.86	1.29	1.59	0.93	−18	−18	−19	+38	−	9	+	6	−	8	+64	−23	−14	2	2.08
84807	17 20 00.58	+15 53 04.8	7.38	H	260.002 396 57	+15.884 677 81		4.40	−23.65	−4.30	0.67	0.59	0.92	0.59	0.63	+	1	−31	−21	+	5	+28	+	3	+37	+17	−23	+	5	0	1.43
84808	17 20 00.96	−19 00 37.3	9.01	H	260.004 013 21	−19.010 371 91		1.86	7.77	−13.29	1.31	0.83	1.41	1.57	0.88	−	7	−34	−	9	+	3	−37	−	3	−22	+56	−15	−19	0	−0.23
84809	17 20 01.55	−19 58 52.9	8.04	G	260.006 459 83	−19.981 355 16		6.46	34.14	−34.43	1.27	0.82	1.28	1.57	0.87	−34	−30	−10	+39	−40	+16	−30	+72	−13	−43	0	−0.29
*84810	17 20 02.55	−16 40 55.7	8.61	H	260.010 641 09	−16.682 145 70		2.84	1.84	−1.14	1.22	0.92	1.23	1.66	1.04	−45	+14	−24	+38	−47	+28	−47	+70	−38	+80		0	1.25
*84811 H	17 20 02.37	−46 10 11.8	8.47	H	260.009 873 12	−46.169 954 49	A	4.90	−10.05	−12.19	2.88	1.69	2.79	3.40	1.61	−	9	−13	+	3	−	4	+	5	+	0	+	2	−10	+22	+15	1	1.40
84812	17 20 02.67	+05 31 41.3	8.28	H	260.011 120 12	+05.528 145 80		2.40	−8.18	19.94	0.83	0.60	1.06	0.92	0.70	+	7	−33	−	3	+28	+	7	−	4	+16	+34	−28	+	8	0	−0.95
84813	17 20 02.85	−18 35 16.2	9.83	H	260.011 872 03	−18.587 822 10		9.96	−2.98	14.87	1.69	0.95	1.89	1.65	0.98	+	3	−46	−22	−11	−42	+	2	−15	+55	−25	−28	0	−1.48
84814	17 20 02.90	+69 45 13.1	7.11	H	260.012 074 02	+69.753 639 55		2.17	−1.32	−11.89	0.55	0.56	0.57	0.55	0.66	+	4	−20	−	4	−14	+14	−	2	+14	+27	+	0	+	5	3	−0.65
84815	17 20 03.20	+25 37 30.0	8.98	H	260.013 345 89	+25.625 007 20		2.92	−24.82	5.72	0.71	1.00	1.44	0.80	1.26	+	0	−13	−19	−24	−	3	−12	+	1	+	9	−34	−	5	1	−0.21
84816	17 20 03.50	+53 50 01.1	11.24	G	260.014 580 13	+53.833 647 05		24.42	−269.49	1.10	1.52	1.61	1.66	1.57	2.30	+13	+	4	−	1	+	2	+	4	−	3	+	8	+10	+	9	−	6	0	0.45
84817	17 20 04.80	+00 16 28.7	10.71	H	260.019 988 23	+00.274 642 27		−1.72	−7.26	−14.45	1.56	0.94	1.89	1.82	1.08	+	5	−32	−	6	−	3	+14	−22	+18	+	5	−28	+22	0	−1.74
84818	17 20 05.69	+55 56 07.5	7.95	H	260.023 713 71	+55.935 413 35		6.11	−6.01	12.65	0.56	0.58	0.62	0.64	0.73	+	3	+	8	−	6	+17	+12	−	2	+14	+	6	+21	+	8	0	0.77
84819	17 20 07.51	+35 41 03.2	8.28	H	260.031 310 75	+35.684 227 02		9.82	8.76	19.44	0.66	0.75	0.87	0.76	0.96	+	9	−21	−	4	+19	+12	−13	+15	−17	−	3	+14			0	0.74
84820	17 20 09.52	+51 40 32.0	8.12	H	260.039 653 03	+51.675 559 34		1.23	−4.34	−4.06	0.57	0.67	0.66	0.63	0.80	+10	−	3	−11	+12	+	9	+	5	+11	−	8	+	6	+10	0	−0.54
84821	17 20 09.83	+25 32 15.5	5.36	H	260.040 944 09	+25.537 643 98		6.49	13.13	−16.91	0.41	0.49	0.72	0.60	0.66	−	4	−	7	−	7	−38	+	0	−16	−	2	+	8	−35	+13	1	0.07
84822	17 20 10.97	−49 55 02.8	8.44	H	260.045 705 09	−49.917 430 61		14.79	−13.43	−46.09	1.26	0.71	1.27	1.43	0.70	−19	−24	−	1	+32	−	6	−	2	+	8	+24	+	8	−17	0	−1.90
84823	17 20 11.59	−13 08 40.9	9.38	G	260.048 291 47	−13.144 690 26		3.13	15.74	−48.37	1.44	0.95	1.52	1.78	1.11	−	9	−39	−23	+38	−12	−	7	−13	+47	+	0	−27			0	0.15
84824	17 20 11.64	+09 27 42.1	7.94	H	260.048 489 66	+09.461 704 11		18.13	−24.53	−308.65	0.86	0.66	1.01	1.01	0.75	+25	−23	−	5	+19	+36	−10	+33	+25	−	5	+50			0	1.92
84825	17 20 11.64	+64 43 01.3	8.32	H	260.048 517 95	+64.717 035 17		1.13	−0.98	−11.69	0.62	0.66	0.67	0.61	0.75	+	6	−	7	−	8	−16	−	2	+	6	+	4	+23	−	1	−10	1	1.16
84826	17 20 12.58	+04 55 24.2	7.92	H	260.052 427 80	+04.923 388 11		0.62	−0.42	−7.51	0.87	0.59	1.04	0.98	0.68	+16	−37	−	3	+30	+22	−	5	+26	+32	−16	+19	0	−0.02
84827 H	17 20 12.76	−70 02 41.6	6.53	G	260.053 162 69	−70.044 887 38	A	25.78	−47.23	−197.38	0.50	0.68	0.82	0.39	0.66	+10	−	8	+	3	−26	−15	−	2	−14	+10	−	6	+	5	1	−0.49
84828	17 20 14.60	+04 15 42.8	8.51	H	260.060 830 32	+04.261 877 78		1.18	−1.79	−8.49	0.88	0.63	1.01	1.04	0.73	−	1	−28	+	7	+12	+33	+	8	+31	+21	−	7	+	5	0	−1.28
84829	17 20 15.74	−18 49 24.9	9.28	H	260.065 590 21	−18.823 575 66		2.06	−1.07	−6.80	1.39	0.83	1.55	1.55	0.87	−	5	−43	−17	+	4	−32	+	0	−13	+59	−23	−18			0	0.41
84830	17 20 16.92	+46 56 50.5	9.76	G	260.070 492 39	+46.947 366 50		0.41	6.70	1.21	0.92	0.95	1.04	1.25	1.41	+	8	+	2	−11	−	1	−	6	+	7	−	6	−15	+	8	+	2	0	−0.09
84831	17 20 18.23	−05 30 37.1	8.24	H	260.075 968 58	−05.510 307 65		9.66	−47.66	−54.35	1.12	0.77	1.20	1.32	0.88	−11	−44	−	3	+53	+	5	−27	+	5	+65	−	6	−19	0	1.39
84832	17 20 18.40	+38 18 28.5	9.37	H	260.076 666 97	+38.307 906 38		5.51	−16.86	30.55	0.69	0.86	0.89	0.85	1.21	+23	−10	−	6	+16	+	6	−	9	+	3	−29	+11	+17	0	−0.41
84833	17 20 18.87	+18 03 26.0	5.01	2 H	260.078 606 91	+18.057 216 01	*	6.90	8.99	−55.69	0.61	0.57	0.79	0.67	0.62	−	5	−23	−18	−	6	+28	−	5	+26	+13	−16	+30	0	−0.24
84834	17 20 19.95	−58 05 32.0	8.61	H	260.083 121 15	−58.092 228 72		3.03	−4.19	−11.87	0.95	0.72	1.27	1.19	0.79	−	8	−10	−	6	−18	−17	+21	−16	−10	+16	+	4	2	1.74
84835	17 20 21.15	+46 14 26.4	5.51	1 H	260.088 112 24	+46.240 680 47		5.66	−29.83	40.92	0.48	0.47	0.53	0.57	0.66	+10	−12	−12	−15	−	6	−	8	−	8	−22	+11	+15	0	0.28
84836	17 20 21.52	−39 16 10.3	8.74	H	260.089 676 65	−39.269 520 10		2.13	7.19	−6.80	1.56	0.62	1.62	1.45	0.63	−	2	−56	−	2	+44	+	5	−	2	+14	+26	−15	+	4	0	−0.91
84837	17 20 21.80	+57 58 27.5	8.80	2 T	260.090 814 21	+57.974 310 00		10.16	77.21	−59.05	0.85	0.80	0.88	1.12	1.04	+	0	+	8	−14	+	1	+22	−	5	+22	+	0	+27	+	7	0	−0.68
84838	17 20 22.91	+24 32 42.8	11.22	H	260.095 450 95	+24.545 210 61		19.10	−190.89	71.69	1.40	2.13	3.16	1.65	2.78	+30	−14	−26	+21	+11	+	4	+17	+27	−33	+21			2	0.37
84839	17 20 23.16	−57 30 37.0	8.02	G	260.096 511 16	−57.510 264 00		2.94	−9.66	−45.56	0.75	0.66	0.98	0.94	0.73	−17	−14	+	5	+20	+	9	+26	+	7	+28	−	6	+	0	0	0.86
84840	17 20 23.22	+20 16 58.9	9.83	H	260.096 744 83	+20.283 034 37		8.60	−50.48	−173.76	0.80	0.92	1.49	1.38	1.32	+22	−	7	−	6	−	1	+17	−15	+13	+25	−33	+33			0	0.17
84841	17 20 23.37	−01 35 34.4	9.37	H	260.097 384 16	−01.592 886 58		2.21	−15.22	−11.65	1.37	1.00	1.36	1.79	1.17	−25	−	8	−	3	+59	−22	+	7	−21	+68	−19	−27			0	1.42
84842 H	17 20 24.81	−41 11 03.2	8.96	H	260.103 375 30	−41.184 210 37	A	1.87	−3.45	−0.27	2.37	1.24	2.28	2.16	1.08	+11	−48	−25	+41	+	3	−	4	+	9	+11	−	6	+15	1	0.30
84843	17 20 24.89	+16 05 57.1	7.74	H	260.103 725 20	+16.099 192 09		4.71	−11.45	−9.39	0.71	0.63	0.95	0.68	0.66	−	4	−27	+	2	+	4	+36	+	1	+36	+	8	−	3	+22	2	0.18
84844	17 20 26.66	−57 14 53.1	7.41	1 H	260.111 096 49	−57.248 097 01		2.56	8.63	2.51	0.68	0.58	0.87	0.81	0.64	−20	−15	−	2	+	9	−	1	+17	+	0	+17	−	6	−	8	0	1.54
84845	17 20 27.23	+59 11 56.2	8.36	H	260.113 454 22	+59.198 942 80		3.69	13.38	−5.08	0.69	0.64	0.71	0.81	0.83	−	2	+31	−12	+	2	+19	−10	+22	−	5	+14	−	1			0	2.74
84846	17 20 27.61	−29 21 53.8	6.97	H	260.115 053 32	−29.364 947 27		4.83	−11.39	−30.06	0.86	0.55	0.98	0.99	0.58	−	7	−22	−13	−	1	−35	−22	−18	+50	−13	−37			0	1.50
84847	17 20 27.92	+35 22 15.6	7.47	H	260.116 339 07	+35.371 007 37		3.82	−3.67	−4.98	0.52	0.62	0.70	0.60	0.76	+11	−17	+	0	+14	+	9	−19	+	9	−25	+10	+13			0	0.88
84848	17 20 28.70	+15 59 52.9	8.09	H	260.119 570 07	+15.998 017 83		8.76	−15.45	15.94	0.72	0.65	1.00	0.67	0.70	+	7	−31	−18	+10	+28	+	9	+35	+22	−17	+11			3	0.76
84849	17 20 29.39	+38 50 19.1	8.37	H	260.122 453 77	+38.838 629 18		1.73	9.90	−15.90	0.56	0.73	0.77	0.69	0.96	+	7	−	4	−18	+	7	+15	−23	+11	−29	+17	+	1	0	0.32
84850	17 20 30.18	+44 11 31.3	6.84	H	260.125 751 07	+44.192 024 52		4.02	−8.01	41.77	0.50	0.55	0.60	0.56	0.80	+	3	−	4	−10	+	0	−	2	+	0	−	3	−	5	−	8	−12	0	−0.59
84851	17 20 30.72	−26 32 59.1	7.09	H	260.128 008 05	−26.549 761 49		7.47	−26.38	−5.34	0.87	0.58	0.91	0.98	0.62	−23	−28	−	8	+21	−32	−	6	−23	+51	−	3	−45	0	2.36
84852	17 20 31.93	+49 00 45.4	7.68	H	260.133 059 11	+49.012 620 99		3.74	−14.18	−23.45	0.55	0.62	0.66	0.62	0.73	+	2	−12	−	5	+11	+	6	−12	+	4	−	8	+20	+	6	0	−2.04
84853	17 20 32.31	+30 12 57.1	8.40	H	260.134 637 66	+30.215 862 24		1.01	0.58	−25.70	0.57	0.80	0.93	0.65	0.91	+10	−	3	−	7	+	2	+	8	−21	+	9	−19	+	8	+20	0	0.01
84854	17 20 33.00	−15 27 17.2	9.58	H	260.137 491 49	−15.454 786 95		2.19	−9.07	−5.55	1.88	1.13	2.02	2.35	1.29	+	8	−49	−26	+31	−12	−	2	+	0	+63	−19	−	5	0	1.19
84855	17 20 33.60	+48 11 19.7	6.36	H	260.139 980 09	+48.188 799 04		24.96	207.18	−3.35	0.51	0.63	0.67	0.63	0.94	+	6	−29	−22	−	6	+11	+	4	+	7	−29	+17	−	6	0	0.67
84856	17 20 34.40	−19 20 00.2	6.50	G	260.143 315 52	−19.333 398 99		20.41	−138.67	−142.80	0.86	0.56	0.93	0.95	0.59	−20	−35	−16	+13	−37	+	8	−21	+63	−19	−39	0	0.36
84857	17 20 36.22	+15 09 34.2	7.13	H	260.150 936 93	+15.159 506 66		7.40	10.27	−32.78	0.63	0.57	0.87	0.58	0.60	+	3	−28	−35	+17	+20	+	4	+32	+24	−29	−	3	0	0.22
84858	17 20 36.34	+87 22 31.4	8.33	G	260.151 423 99	+87.375 378 92		6.11	17.02	0.40	0.58	0.65	0.69	0.62	0.74	+11	−	5	−18	+	1	+11	−	9	+12	+26	−20	+	8	5	1.17
84859 H	17 20 37.11	−59 26 25.6	7.04	H	260.154 618 91	−59.440 442 06	A	3.11	−10.24	−18.11	1.55	1.17	1.72	1.79	1.21	−	9	−14	+	9	−32	−28	+20	−22	−11	−19	−17	3	1.61
84860	17 20 38.15	−40 34 01.6	8.47	H	260.158 967 40	−40.567 105 02		3.26	−11.49	−34.59	1.24	0.65	1.39	1.39	0.64	+	3	−24	+	0	+29	+	2	−14	+	6	+	9	−16	+	7	0	1.16
84861	17 20 39.01	−24 42 17.2	9.67	H	260.162 561 65	−24.704 769 48		−0.64	12.02	2.09	1.36	0.86	1.47	1.76	0.97	−	3	−26	−13	+	9	−	6	+	4	−	3	+44	−	1	−12	0	−0.39
84862	17 20 39.47	+32 28 13.0	5.38	H	260.164 473 13	+32.470 272 46		69.48	135.40	−1040.55	0.39	0.45	0.56	0.45	0.63	+	0	−	8	−	5	+	4	−	3	−12	−	2	+	8	−20	−	7	0	−0.85
84863	17 20 40.30	−36 40 57.7	9.22	H	260.167 923 16	−36.682 691 57		1.75	−5.44	−23.14	1.35	0.65	1.53	2.04	0.67	−	1	−	9	−	3	+24	+	4	+35	+	7	+16	−	2	+14	5	0.09
84864	17 20 42.06	+65 38 23.7	7.71	H	260.175 259 56	+65.639 923 02		7.52	7.55	9.03	0.50	0.54	0.58	0.37	0.57	−	1	−19	−	3	−52	−22	+14	−18	+13	+	1	−21	0	0.85
84865	17 20 42.96	−38 01 14.1	7.20	G	260.179 003 72	−38.020 590 22		−0.29	3.19	−3.31	0.74	0.43	0.81	0.85	0.44	−12	−23	+	2	+17	−	1	+	6	+	1	+16	−	7	−13	0	−0.41
84866 H	17 20 43.07	−07 06 23.8	8.77	G	260.179 455 35	−07.106 614 44	*	14.49	21.65	−44.34	1.23	0.87	1.26	1.51	0.98	+	9	−18	−12	+40	−	1	+15	+	6	+61	−	6	−22	0	−0.14
84867	17 20 43.28	−69 05 40.6	7.92	H	260.180 345 53	−69.094 597 81		2.21	−8.19	−10.08	0.49	0.64	0.95	0.64	0.84	+19	−13	+	0	−16	−16	+	0	−14	−12	−15	+25	1	−0.50
84868	17 20 44.10	−14 09 43.4	8.70	H	260.183 734 11	−14.162 047 44		2.89	−0.99	−1.09	1.05	0.76	1.12	1.26	0.86	−26	−28	−22	+29	−34	+	5	−25	+57	−	9	−50	0	−0.44
84869	17 20 44.35	−22 14 20.4	9.72	H	260.184 782 07	−22.238 997 61		7.74	4.85	−106.45	1.70	1.08	1.95	2.22	1.20	−27	+14	−32	+19	−33	+11	−31	+63	−43	−28	0	0.43
84870	17 20 45.25	−16 30 15.1	10.74	G	260.188 558 74	−16.504 183 74		13.31	−141.93	−56.77	2.22	1.54	2.27	3.03	1.67	−23	−14	−15	+24	−41	+11	−32	+63	−16	−26	0	−0.75
84871	17 20 45.46	+32 40 27.8	7.02	H	260.189 435 63	+32.674 381 51		5.17	−0.03	6.71	0.44	0.56	0.66	0.48	0.81	+	1	−	7	−19	+18	+	4	−	9	+	0	−	9	−	2	−10	0	−0.45
84872	17 20 45.48	+28 24 46.0	11.22	2 G	260.189 493 17	+28.412 779 88		11.61	−43.29	−255.46	2.98	3.59	4.90	3.68	5.31	+	9	−14	−10	−22	−	1	+	5	+	3	−	3	−24	+10	0		
84873	17 20 45.72	+39 05 51.2	7.96	G	260.190 491 70	+39.097 549 17		3.61	−8.09	28.08	0.59	0.70	0.77	0.66	0.91	−	4	+	2	−16	−	8	+23	−24	−30	+24	−	4	1	0.89
84874	17 20 45.78	+27 30 01.6	10.52	H	260.190 744 50	+27.500 448 61		1.96	−57.08	7.81	1.05	1.34	1.74	1.23	1.52	+	2	−16	−19	+10	+	9	−15	+	7	+	9	−	9	+	4	1	0.14
84875	17 20 45.82	+17 02 24.1	7.78	H	260.190 932 59	+17.040 014 73		2.15	1.13	−3.76	0.57	0.63	0.87	0.61	0.66	−20	−12	−	6	−	6	+32	+15	+26	+	9	+14	+17			0	1.23
84876	17 20 46.16	−40 23 17.9	9.11	3 H	260.192 331 10	−40.388 302 36		4.15	−4.10	−1.63	1.73	1.04	2.07	2.29	1.04	−	1	−10	−	5	+20	+	7	−32	+	5	−	5	−	6	+	0	4	3.34
84877	17 20 46.62	+21 31 10.1	7.04	H	260.194 240 82	+21.519 459 50		4.35	11.65	3.75	0.44	0.52	0.73	0.64	0.64	−20	−16	−	1	+29	+	3	−	7	+	1	+32	−	2	−12	0	0.74
84878	17 20 46.82	+36 41 28.5	7.67	H	260.195 094 26	+36.691 250 30		6.91	24.76	−19.55	0.48	0.63	0.68	0.48	0.70	+	6	+	0	+	0	+	2	+	9	−21	+11	−21	+14	+	6	0	−0.47
84879 H	17 20 48.75	−42 39 30.3	8.05	H	260.203 126 40	−42.658 411 58	A	17.54	15.25	11.68	1.64	0.97	1.59	1.97	0.87	−15	−	7	−	1	+16	−	7	+15	−	6	+	5	+21	1	−0.91
84880	17 20 49.64	−12 50 48.8	4.32	G	260.206 814 80	−12.846 882 00		16.86	42.75	2.72	0.85	0.57	0.86	0.91	0.64	−	4	−49	−16	+43	−24	+12	−13	+70	−	8	−24	0		0	−0.06
84881	17 20 50.63	−45 25 14.7	7.26	H	260.210 954 38	−45.420 737 25		7.20	−15.19	−38.95	0.82	0.52	0.88	0.94	0.53	−17	−30	−	7	+16	−23	+	6	−17	+24	−	7	−23	0	−0.23
84882	17 20 52.59	−54 24 49.6	8.84	H	260.219 107 73	−54.413 768 72		0.65	−4.71	−1.42	1.05	0.79	1.22	1.15	0.78	−27	−25	−	8	−16	+	4	−	2	+	2	−	5	+	1	−22	0	1.76
84883	17 20 52.60	−10 41 46.9	6.46	H	260.219 164 23	−10.696 354 86		21.19	51.86	−22.61	0.94	0.59	1.05	1.07	0.68	−21	−38	−10	+	1	−22	−10	−	5	+47	−15	−46	0	0.05
84884	17 20 53.03	−50 40 06.8	8.76	H	260.220 970 65	−50.668 549 00		7.66	−23.39	−101.06	1.19	0.76	1.30	1.45	0.75	−19	−16	−	3	+	8	+13	−10	+	8	+	4	+	7	−17	0	0.96
84885	17 20 53.68	−42 39 10.1	8.50	G	260.223 686 89	−42.652 795 26		11.23	2.85	−32.66	1.19	0.63	1.26	1.55	0.63	−	1	−	4	+	3	+37	−	8	+29	−	4	+13	+	7	+12	0	0.01
84886	17 20 54.02	+73 00 48.1	8.26	H	260.225 100 61	+73.013 351 20		12.64	46.33	208.18	0.69	0.64	0.68	0.89	0.76	+13	−13	−	6	−31	−21	+	9	−18	+13	−	3	+14	3	2.77
84887	17 20 54.22	+24 29 58.0	5.13	H	260.225 910 10	+24.499 439 84		7.05	−19.36	−1.91	0.30	0.47	0.71	0.37	0.67	+13	−	2	−16	+13	+	8	−	6	+	7	+24	−37	+14	0	−0.52
84888 H	17 20 54.67	−27 20 39.7	7.94	H	260.227 772 26	−27.344 367 29	A	10.21	−9.11	−39.26	1.68	1.09	1.58	1.76	1.03	+	8	−10	+	6	−	1	−13	+	0	−	4	+31	−12	−17	3	1.64
84889	17 20 55.06	−53 34 19.9	9.00	H	260.229 406 18	−53.572 203 03		2.14	−30.54	−30.40	1.10	0.77	1.30	1.17	0.77	+	0	−29	−	8	+21	+	0	+	9	+	2	+14	−	9	−	9	0	−0.18
84890	17 20 56.72	+66 33 45.3	6.94	H	260.236 326 43	+66.562 586 42		5.69	−7.74	56.02	0.52	0.51	0.53	0.60	0.63	+	5	−22	+	0	−13	+	7	−	2	+	0	+19	+	5	+24	0	1.06
84891	17 20 57.12	−32 49 40.3	8.04	H	260.238 014 91	−32.827 863 65		1.50	−1.58	8.50	1.05	0.66	1.16	1.25	0.73	−29	−27	−	2	−11	+	4	−31	+	6	+	0	+	8	−50	0	−0.34
84892	17 20 59.43	+50 04 39.3	9.18	H	260.247 613 51	+50.077 583 43		5.75	−4.20	29.61	0.75	0.88	0.87	0.79	1.12	+11	−15	−13	+	8	+12	−	3	+12	−12	+	2	−	2	0	1.42
*84893	17 21 00.21	−21 06 44.8	4.39	G	260.250 876 15	−21.112 434 99		57.48	262.01	−204.74	0.92	0.70	0.93	1.17	0.77	−45	−18	−21	+37	−52	+20	−40	+75	−26	−56	0		0	1.59
*84894	17 21 00.14	+41 21 48.8	8.23	H	260.250 576 85	+41.363 568 59		2.02	2.79	21.14	0.65	0.75	0.81	0.73	1.02	+	4	−12	−	2	−	2	−	1	+	8	+	3	−27	+11	+21	3	1.62
84895	17 21 00.35	−13 05 07.2	7.67	H	260.251 470 87	−

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
84801	7.380	0.006	6.408	0.006		0.850	0.009	G	0.90	0.02	A	6.4611	0.0010	0.007	77		6.45	6.48				1							S
84802	10.233	0.032	8.498	0.015		1.447	0.028	T	1.45	0.04	L	8.4538	0.0021	0.015	82		8.42	8.49		C		1							
84803	8.716	0.016	8.002	0.014		0.660	0.000	G	0.72	0.00	H	8.0657	0.0014	0.008	54		8.05	8.08		C	17200−0802	I 1	1 G						S
84804	9.625	0.019	8.147	0.011		1.245	0.017	T	1.20	0.02	L	8.1460	0.0013	0.011	111		8.12	8.17		C			1						
84805	8.167	0.009	7.878	0.011		0.275	0.013	T	0.31	0.02	L	7.9191	0.0019	0.015	84		7.90	7.94					1						S
84806	9.385	0.019	8.903	0.020		0.490	0.015	G	0.56	0.02	H	8.9185	0.0019	0.016	78		8.88	8.95		C			1						
84807	8.772	0.015	7.497	0.010		1.060	0.015	G	1.03	0.01	H	7.5479	0.0012	0.010	90		7.53	7.57		C			1						S
84808	11.102	0.075	9.179	0.023		1.596	0.062	T	1.62	0.06	L	9.1235	0.0022	0.019	73		9.10	9.17		C			1						
84809	8.574	0.013	8.082	0.012		0.488	0.015	G	0.56	0.02	H	8.1459	0.0018	0.014	69		8.12	8.17		C	17200−1959	I 1	1						S
84810	8.796	0.014	8.631	0.017		0.158	0.021	T	0.17	0.02	L	8.6682	0.0029	0.016	68		8.64	8.69					1						
84811	9.601	0.035	8.547	0.023	*	0.915	0.032	T	0.91	0.02	L *	8.6302	0.0023	0.017	73	*	8.60	8.67		D	17200−4610	I 1	2 C	A	AB	76	7.423	0.011	0.92	0.03	S
84812	8.500	0.009	8.291	0.010		0.200	0.013	T	0.22	0.01	L	8.3429	0.0019	0.014	98		8.32	8.37		C			1						S
84813	10.556	0.053	9.859	0.047		0.630	0.053	T	0.70	0.05	L	9.9661	0.0040	0.027	72		9.93	10.01					1						G
84814	8.634	0.010	7.233	0.006		1.184	0.009	T	1.14	0.01	L	7.2752	0.0009	0.008	110		7.26	7.29					1						S
84815	9.632	0.020	9.070	0.019		0.526	0.025	T	0.60	0.03	L	9.0958	0.0024	0.025	162		9.05	9.14					1						
84816						1.145	0.020	G	1.24	0.03	I	11.4267	0.0055	0.044	84		11.36	11.50		C			1						G
84817	11.774	0.104	10.772	0.061		0.876	0.090	T	0.89	0.07	L	10.8646	0.0051	0.036	118		10.81	10.95		C			1						G
84818	8.078	0.008	7.953	0.009		0.121	0.011	T	0.14	0.01	L	7.9989	0.0014	0.012	104		7.98	8.02		C			1						S
84819	8.755	0.010	8.321	0.010		0.410	0.013	T	0.48	0.01	L	8.3714	0.0016	0.018	115		8.34	8.40					1						S
84820	9.491	0.018	8.241	0.011		1.066	0.016	T	1.03	0.01	L	8.2840	0.0016	0.013	102		8.27	8.31		C			1						
84821	5.435	0.002	5.372	0.002		0.063	0.003	T	0.07	0.00	L	5.3913	0.0005	0.006	159		5.38	5.40		C			1 G						S
84822	9.154	0.018	8.491	0.016		0.605	0.018	T	0.67	0.02	L	8.5702	0.0027	0.015	68		8.55	8.60		C			1						
84823	10.239	0.058	9.487	0.049		0.689	0.020	G	0.75	0.02	H	9.5404	0.0028	0.017	62		9.51	9.57		C			1						
84824	8.676	0.011	8.016	0.010		0.594	0.009	G	0.66	0.01	H	8.0637	0.0018	0.014	78		8.03	8.09					1						S
84825	10.077	0.024	8.447	0.012		1.364	0.021	T	1.33	0.02	L	8.4644	0.0015	0.015	124		8.44	8.50					1						
84826	9.533	0.018	8.049	0.010		1.249	0.016	T	1.21	0.02	L	8.0842	0.0015	0.012	92		8.06	8.10		C			1						
84827	7.265	0.003	6.619	0.003	*	0.598	0.007	G	0.67	0.02	A *	6.6613	0.0007	0.011	278	*	6.65	6.68		D	17202−7003	I 1	2 C	A	AB	129	0.898	0.009	3.12	0.03	S
84828	10.428	0.030	8.652	0.013		1.480	0.026	T	1.50	0.04	L	8.6416	0.0018	0.016	99		8.61	8.67		C			1						
84829	9.426	0.021	9.304	0.027		0.170	0.010	G	0.19	0.01	H	9.3358	0.0020	0.013	66		9.31	9.36		C			1						
84830	10.140	0.028	9.747	0.029		0.320	0.015	G	0.37	0.02	H	9.8261	0.0025	0.023	98		9.78	9.87					1						
84831	8.857	0.015	8.298	0.014		0.523	0.018	T	0.60	0.02	L	8.3595	0.0020	0.012	82		8.34	8.38		C			1						
84832	9.911	0.023	9.437	0.022		0.446	0.029	T	0.52	0.03	L	9.4738	0.0021	0.018	105		9.44	9.50		C			1						
84833	7.152	0.008	5.201	0.005		1.654	0.008	T	1.90	0.04	O	5.1016	0.0028	0.031	97		5.05	5.15		U 2			1 V						S
84834	10.368	0.033	8.733	0.015		1.368	0.029	T	1.34	0.04	L	8.7558	0.0018	0.019	110		8.72	8.78					1						
84835	7.553	0.008	5.684	0.003		1.586	0.007	T	1.71	0.02	O	5.6114	0.0011	0.010	106		5.59	5.63		M			1						S
84836	9.271	0.018	8.767	0.018		0.484	0.019	T	0.56	0.02	L	8.8473	0.0025	0.018	87		8.82	8.87					1						
84837	9.393	0.021	8.850	0.020		0.509	0.026	T	0.58	0.03	L	8.8958	0.0213	0.102	72		8.77	9.04	0.34	P 1 A			1						P
84838											T	11.3521	0.0049	0.065	211		11.26	11.46					1	S					G
84839	8.564	0.011	8.054	0.011		0.466	0.001	G	0.54	0.00	H	8.1187	0.0010	0.012	102		8.10	8.15		C			1						S
84840	10.808	0.039	9.915	0.028		0.795	0.036	T	0.83	0.03	L	9.9783	0.0018	0.023	148		9.94	10.02					1						
84841	10.020	0.029	9.436	0.026		0.545	0.034	T	0.62	0.03	L	9.4853	0.0025	0.024	83		9.45	9.53		C			1						
84842	10.727	0.049	9.151	0.021	A	0.990	0.239	G	1.12	0.09	L *	9.1310	0.0014	0.016	85	*	9.10	9.16		D	17204−4111	H 1	2 C	D	AB	228	5.096	0.104	3.92	0.55	D
84843	9.115	0.016	7.878	0.010		1.040	0.015	G	1.01	0.01	H	7.9125	0.0014	0.013	105		7.89	7.93		C			1						S
84844	9.618	0.020	7.606	0.008		1.704	0.018	T	2.00	0.05	O	7.4947	0.0021	0.016	106		7.47	7.52		M			1						S
84845	8.569	0.011	8.386	0.012		0.170	0.015	G	0.19	0.01	H	8.4211	0.0018	0.013	85		8.39	8.45		C			1						S
84846	7.038	0.006	6.974	0.007		0.058	0.008	T	0.07	0.01	L	6.9992	0.0013	0.008	78		6.99	7.02		C			1						S
84847	7.406	0.006	7.471	0.007		−0.055	0.008	T	−0.03	0.01	L	7.4565	0.0011	0.013	121		7.44	7.48					1						S
84848	8.698	0.014	8.154	0.013		0.510	0.017	T	0.58	0.02	L	8.1994	0.0015	0.014	94		8.17	8.22		C			1						S
84849	10.104	0.022	8.518	0.011		1.330	0.019	T	1.29	0.02	L	8.5209	0.0012	0.014	126		8.50	8.55		R			1						
84850	8.184	0.008	6.964	0.006		1.043	0.008	T	1.01	0.01	L	7.0127	0.0009	0.011	106		7.00	7.03					1						S
84851	8.270	0.010	7.188	0.007		0.936	0.009	T	0.93	0.01	L	7.2525	0.0011	0.008	72		7.24	7.27		C			1						S
84852	9.158	0.014	7.807	0.008		1.145	0.013	T	1.11	0.01	L	7.8471	0.0011	0.011	116		7.82	7.86					1						S
84853	9.840	0.021	8.529	0.012		1.114	0.019	T	1.08	0.02	L	8.5672	0.0014	0.017	142		8.54	8.60		C			1						
84854	11.988	0.207	9.932	0.052		1.740	0.176	T	1.93	0.25	K	9.6645	0.0035	0.030	71		9.60	9.72					1	S					G
84855	6.845	0.006	6.407	0.005		0.427	0.006	T	0.49	0.01	L	6.4530	0.0007	0.008	89		6.44	6.46					1 G						S
84856	7.220	0.006	6.565	0.006		0.578	0.003	G	0.66	0.07	F	6.6293	0.0011	0.007	82		6.61	6.64			17206−1920	I 1	1						S
84857	7.813	0.010	7.198	0.006		0.573	0.010	T	0.65	0.01	L	7.2548	0.0010	0.011	95		7.23	7.27					1						S
84858	8.687	0.012	8.322	0.013		0.328	0.015	G	0.38	0.02	H	8.4010	0.0013	0.012	105		8.38	8.42		C			1						S
84859	7.097	0.008	7.084	0.009	*	0.013	0.011	T	0.03	0.01	L *	7.0526	0.0008	0.008	163	*	7.04	7.07		D	17206−5926	I 1	2 C	A	AB	255	0.883	0.002	0.01	0.01	S
84860	9.979	0.026	8.625	0.015		1.147	0.024	T	1.11	0.02	L	8.6399	0.0019	0.017	93		8.61	8.68		C			1						
84861	11.094	0.089	9.747	0.043		0.564	0.015	G	1.32	0.10	S	9.8235	0.0032	0.027	78		9.78	9.85		R			1	S					G
84862	6.137	0.003	5.455	0.003		0.619	0.003	G	0.70	0.02	G	5.5089	0.0009	0.006	137		5.50	5.52			17206+3229	I 1	1						S
84863	10.967	0.058	9.344	0.024		1.359	0.049	T	1.33	0.06	L	9.3768	0.0021	0.016	84		9.34	9.40		C			1						G
84864	8.202	0.012	7.762	0.011		0.440	0.015	G	0.51	0.02	H	7.8111	0.0013	0.010	104		7.79	7.83		C			1						S
84865	7.261	0.005	7.217	0.006		0.045	0.007	T	0.06	0.01	L	7.2294	0.0008	0.009	101		7.22	7.24		C			1						S
84866	9.686	0.033	8.860	0.027	*	0.745	0.005	G	0.79	0.01	H *	8.9112	0.0027	0.015	52	*	8.87	8.93			17207−0706	I 1	2 C S	C	AB	100	0.146	0.188	1.73	2.66	
84867	9.493	0.012	8.051	0.007		1.216	0.011	T	1.18	0.01	L	8.0818	0.0012	0.017	199		8.06	8.11					1						
84868	10.195	0.036	8.834	0.019		1.153	0.032	T	1.12	0.03	L	8.8656	0.0015	0.017	80		8.83	8.89					1						
84869	10.570	0.046	9.816	0.040		0.673	0.046	T	0.73	0.04	L	9.8552	0.0022	0.018	60		9.82	9.89					1						G
84870						0.840	0.020	G	0.88	0.02	H	10.8952	0.0050	0.040	69		10.81	10.94					1						G
84871	7.047	0.005	7.024	0.006		0.026	0.007	T	0.04	0.01	L	7.0395	0.0009	0.009	132		7.02	7.05		C			1						S
84872						1.052	0.020	G	1.11	0.03	I	11.3839	0.0056	0.049	133		11.29	11.46		U			1 X						G
84873	9.338	0.014	8.066	0.009		1.084	0.005	G	1.05	0.00	H	8.1253	0.0013	0.011	120		8.10	8.15		C			1						
84874	11.794	0.092	10.672	0.051		0.966	0.082	T	0.95	0.07	L	10.6881	0.0033	0.039	163		10.63	10.75		C			1	S					G
84875	9.517	0.017	7.929	0.009		1.331	0.015	T	1.29	0.02	L	7.9295	0.0014	0.016	132		7.90	7.95					1						S
84876	13.021	0.438	10.059	0.044		2.000	0.495	G	1.99	0.51	J	9.1967	0.0264	0.210	94		8.98	9.62		U 2 C			1	S					S P
84877	7.025	0.004	7.041	0.005		−0.010	0.006	T	0.01	0.01	L	7.0471	0.0008	0.008	161		7.03	7.06		C			1						S
84878	7.896	0.007	7.708	0.007		0.180	0.009	T	0.20	0.01	L	7.7295	0.0010	0.011	121		7.71	7.75		C			1						S
84879	8.835	0.013	8.240	0.012	A	0.500	0.495	G	0.61	0.03	L *	8.1704	0.0019	0.015	85	*	8.14	8.19		D	17208−4240	I 1	2 C	A	AB	280	2.979	0.012	1.90	0.05	
84880	4.392	0.002	4.341	0.002		0.037	0.007	G	0.07	0.02	A	4.3496	0.0005	0.004	60		4.34	4.36			17208−1251	I 1	1						S
84881	7.377	0.007	7.258	0.007		0.082	0.008	G	0.07	0.00	A	7.2895	0.0018	0.012	78		7.27	7.31					1						S
84882	11.069	0.070	9.059	0.022		1.665	0.058	T	1.69	0.06	L	9.4415	0.0036	0.024	77		8.90	8.97		R			1	S					
84883	6.854	0.005	6.497	0.006		0.326	0.003	G	0.38	0.00	H	6.5388	0.0008	0.006	61		6.53	6.55		C	17209−1042	I 1	1						S
84884	9.339	0.021	8.811	0.020		0.504	0.022	T	0.58	0.02	L	8.8758	0.0023	0.019	79		8.85	8.91					1						
84885	9.082	0.016	8.529	0.015		0.500	0.015	G	0.57	0.02	H	8.6131	0.0020	0.015	83		8.58	8.65					1						
84886	9.497	0.017	8.366	0.011		0.973	0.016	T	0.96	0.01	L	8.4228	0.0015	0.014	110		8.40	8.44		C			1 G						
84887	5.125	0.002	5.126	0.002		0.000	0.002	T	0.02	0.00	L	5.1345	0.0004	0.005	227		5.13	5.14			17210+2431	I 1	1						S
84888	8.431	0.018	7.915	0.018	*	0.485	0.023	T	0.56	0.02	L *	8.0418	0.0020	0.014	67	*	8.02	8.06		D	17209−2721	I 1	2 C	A	AB	91	5.334	0.008	1.09	0.02	S
84889	10.388	0.039	9.166	0.023		1.044	0.035	T	1.01	0.03	L	9.1668	0.0032	0.021	79		9.13	9.20					1						
84890	8.411	0.013	7.068	0.007		1.139	0.012	T	1.10	0.01	L	7.1096	0.0007	0.007	106		7.10	7.12		C			1						S
84891	10.071	0.030	8.209	0.013		1.548	0.026	T	1.61	0.06	L	8.1577	0.0017	0.016	76		8.13	8.18		C			1						
84892	9.643	0.020	9.202	0.021		0.416	0.027	T	0.48	0.03	L	9.2738	0.0024	0.021	102		9.23	9.31					1						
84893						0.394	0.019	G	0.47	0.02	A	4.4704	0.0007	0.004	63		4.47	4.48			17210−2107	I 1	1						S
84894	10.255	0.029	8.391	0.011		1.549	0.025	T	1.61	0.05	L	8.3483	0.0017	0.020	103		8.31	8.38					1						
84895	8.060	0.017	7.699	0.017		0.297	0.019	G	0.40	0.02	L	7.7527	0.0017	0.010	67		7.74	7.77		C			1						S
84896	11.630	0.095	9.632	0.027		1.692	0.081	T	2.03	0.23	K	9.4486	0.0423	0.360	104		9.06	10.07		U 2			1						
84897	8.963	0.016	8.736	0.018	*	0.217	0.023	T	0.24	0.03	L *	8.7750	0.0023	0.015	81	*	8.75	8.80			17210−4206	H 1	2 C	C	AB	31	0.725	0.081	4.19	0.45	
84898						1.732	0.143	G	2.17	0.26	K	12.3477	0.0118	0.080	72		12.16	12.46					1						G
84899	8.939	0.014	7.585	0.008		1.147	0.013	T	1.11	0.01	L	7.6271	0.0011	0.009	92		7.61	7.64		C			1						S
84900	9.666	0.016	8.418	0.010		1.064	0.015	T	1.03	0.01	L	8.4462	0.0017	0.016	155		8.42	8.47			17211−6031	I 1	1	S					

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)													Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$			F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr														%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28			29	30
*84901	17 21 03.72	−48 02 51.4	11.87	G	260.265 494 82	−48.047 614 44		0.24	3.37	−8.52	3.49	2.13	3.99	4.73	2.11	− 8	−11	+ 8	+19	+19	+13	+16	− 1	+ 2	+ 6			0	−1.02
84902	17 21 04.82	+11 48 13.1	9.85	H	260.270 065 04	+11.803 651 96		2.12	−6.12	19.67	1.31	0.97	1.60	1.31	1.05	+26	−36	−14	+33	+43	− 3	+44	+34	−10	+35			0	0.66
84903	17 21 05.61	−27 25 04.7	7.38	H	260.273 361 71	−27.417 958 62		2.30	5.74	14.84	0.94	0.59	1.09	1.10	0.64	−19	−26	+18	+12	− 9	+ 6	−25	+53	+16	−25			0	1.50
84904	17 21 06.79	−68 40 25.8	8.86	H	260.278 286 90	−68.673 829 02		0.28	−1.75	7.87	0.66	0.87	1.29	0.95	1.13	+ 1	−10	+15	+14	−10	+ 6	− 9	+ 9	+ 1	+19			1	0.84
84905	17 21 07.15	+01 26 32.6	6.95	H	260.279 800 79	+01.442 395 57		25.88	−165.01	269.80	0.69	0.49	0.95	0.85	0.50	− 8	− 5	−17	−14	+38	−31	+31	−13	− 9	− 4			2	−1.49
84906	17 21 07.46	+44 58 34.5	8.15	H	260.281 078 28	+44.976 243 08		3.61	−0.48	8.51	0.60	0.64	0.69	0.73	0.83	+20	−17	−21	+19	+12	− 3	+12	− 5	+ 8	+26			0	0.96
84907	17 21 07.58	−24 41 00.7	8.61	H	260.281 580 22	−24.683 529 82		20.58	98.21	−7.69	1.11	0.75	1.18	1.41	0.82	−18	−24	− 7	+18	−10	− 1	− 9	+47	− 6	−18			0	0.64
84908	17 21 08.56	−34 21 49.6	9.53	H	260.285 651 06	−34.363 783 98		3.07	−5.67	−8.77	1.49	0.83	1.61	1.61	0.85	+ 2	−35	−13	+11	−22	− 2	−14	−26	−11	−10			0	1.57
84909	17 21 10.41	−23 49 58.4	10.01	H	260.293 389 96	−23.832 898 36		4.74	−1.49	−7.97	1.74	1.08	1.94	1.92	1.14	−13	−30	− 4	+ 1	−27	−18	−15	+48	−12	−27			2	2.34
84910	17 21 10.46	+69 48 02.3	7.38	H	260.293 577 85	+69.800 637 92		3.26	−11.07	28.94	0.54	0.57	0.56	0.56	0.70	+10	−15	− 4	− 2	+12	− 5	+15	+39	− 3	+ 7			3	0.00
84911 H	17 21 11.03	−41 33 24.8	8.75	H	260.295 960 82	−41.556 892 03	A	11.36	−83.30	25.98	3.07	1.76	3.00	2.91	1.59	+12	−26	−23	+24	− 6	+ 1	− 3	+10	− 2	+ 1			1	1.09
84912	17 21 11.54	+54 56 26.5	8.62	H	260.298 082 65	+54.940 707 63		3.37	−20.99	32.88	0.73	0.81	0.78	0.78	0.98	− 8	+23	+ 0	+ 2	+34	−11	+39	− 3	+21	−14			0	−1.21
84913	17 21 11.61	−12 03 25.3	7.68	G	260.298 394 70	−12.057 036 83		17.33	−45.64	−96.40	1.02	0.64	1.14	0.96	0.70	−12	−49	− 8	+16	−31	+16	−17	+50	−17	−25			6	−1.05
84914	17 21 11.64	+32 32 09.6	8.93	H	260.298 503 02	+32.535 998 42		16.99	−32.64	10.56	0.69	0.87	1.00	0.77	1.18	+13	− 9	− 1	+20	+ 6	−11	− 1	−19	+ 9	− 8			0	0.39
84915	17 21 12.18	+73 29 21.6	11.09	3 H																									
84916	17 21 13.16	+46 09 01.1	7.55	H	260.304 822 59	+46.150 316 22		10.18	−96.90	6.03	0.62	0.61	0.69	0.74	0.84	+10	− 1	−12	−21	− 4	−20	− 7	−23	+ 6	+17			0	−0.31
84917	17 21 13.44	+50 50 56.7	8.88	H	260.306 010 71	+50.849 092 97		9.51	3.82	3.05	0.70	0.81	0.80	0.80	0.95	+ 4	+ 1	+ 5	+22	+14	+ 8	+16	−12	− 4	+11			0	−0.87
84918	17 21 13.49	−63 34 55.8	6.86	H	260.306 196 16	−63.582 153 61		4.68	−10.45	−21.65	0.56	0.57	0.80	0.69	0.65	−14	− 8	− 6	+ 1	−17	+16	−15	−10	−21	−35			0	−1.38
84919	17 21 14.19	+01 33 23.6	8.04	H	260.309 130 85	+01.556 554 40		7.89	−7.19	6.38	0.84	0.60	1.12	1.00	0.63	−15	− 7	−19	−20	+36	−25	+32	−12	− 8	−15			2	−1.01
84920	17 21 14.73	+31 15 24.8	6.90	H	260.311 365 48	+31.256 876 84		13.13	−23.56	12.49	0.46	0.55	0.68	0.52	0.70	+ 7	− 9	+ 1	+ 6	+ 1	−22	+ 1	−18	+ 3	+ 4			1	−0.13
84921	17 21 18.15	+14 18 40.1	10.12	H	260.325 617 16	+14.311 139 58		4.36	−11.91	8.76	1.12	1.03	1.45	1.26	1.14	+26	−21	−24	+29	+31	+12	+36	+26	− 7	+24			0	1.03
84922	17 21 18.73	−62 55 05.3	9.67	H	260.328 025 68	−62.918 135 75		−0.11	4.13	−10.35	1.12	1.03	1.53	1.20	1.08	+ 3	− 3	− 9	−38	−18	+ 6	−16	−25	−10	− 1			0	−0.03
84923	17 21 19.47	+11 02 54.7	8.23	G	260.331 106 54	+11.048 533 04		8.50	6.52	−25.40	0.90	0.74	1.11	0.89	0.77	+34	−31	− 1	+41	+52	+ 2	+52	+43	− 8	+44			0	−0.46
84924	17 21 19.49	−51 07 21.7	7.79	G	260.331 228 76	−51.122 704 10	+	25.64	−113.69	−53.40	2.44	3.04	1.09	4.22	2.81	−87	+ 1	−17	+56	−72	+20	−67	+74	−21	−86			2	−1.51
84925	17 21 20.36	+64 35 09.2	8.57	H	260.334 848 47	+64.585 899 59		3.09	−8.39	9.67	0.62	0.62	0.64	0.75	0.75	− 1	−14	+ 1	− 4	+ 5	− 3	+ 6	+15	− 3	− 1			1	1.14
84926	17 21 20.87	+25 58 17.3	7.91	H	260.336 967 31	+25.971 471 20		2.84	2.11	57.09	0.51	0.74	1.02	0.64	1.03	− 2	− 2	−18	− 9	+ 1	− 9	+ 1	+ 8	−29	− 7			1	0.90
84927	17 21 20.95	+13 37 49.5	7.77	H	260.337 282 10	+13.630 408 18		3.64	6.68	19.29	0.72	0.64	0.98	0.75	0.70	+23	−27	−22	+19	+33	+ 2	+38	+35	−26	+31			2	1.09
84928	17 21 21.85	−11 56 49.1	8.05	H	260.341 061 98	−11.946 977 34		5.64	−14.41	−12.72	1.27	0.83	1.39	1.19	0.90	−29	−50	+ 0	+22	−38	+ 9	−26	+63	− 9	−38			0	0.42
84929	17 21 23.85	−34 21 40.1	9.36	H	260.349 387 54	−34.361 144 09		8.74	−4.05	−62.70	1.43	0.85	1.54	1.52	0.87	− 4	−34	−20	+17	−31	+ 5	−20	+40	−13	−25			4	1.21
84930	17 21 24.68	−26 26 05.7	8.02	H	260.352 824 87	−26.434 915 72		6.12	4.22	−1.14	0.94	0.62	1.01	1.07	0.66	−16	−26	−18	+12	−36	− 5	−22	+53	− 8	−46			4	0.51
84931	17 21 25.98	−26 30 04.3	7.53	H	260.358 266 26	−26.501 194 72		6.70	−4.89	−19.32	0.81	0.54	0.87	0.91	0.57	−21	−21	−13	+12	−33	− 6	−22	+47	−10	−44			2	1.77
84932	17 21 29.43	+42 16 09.3	7.64	H	260.372 617 27	+42.269 258 92		4.53	−1.47	11.28	0.62	0.67	0.73	0.57	0.77	− 9	−24	− 4	−29	+ 9	+ 0	+ 7	−36	+22	+ 8			3	−1.25
84933	17 21 30.16	−26 20 15.6	8.50	H	260.375 663 63	−26.337 680 50		5.44	2.71	−36.48	1.09	0.70	1.16	1.26	0.76	−13	−31	−10	+15	−31	+ 0	−19	+55	− 5	−37			0	0.30
84934 H	17 21 31.23	+28 45 29.2	6.37	H	260.380 130 23	+28.758 099 21	A	6.09	12.16	0.80	0.57	0.63	0.76	0.62	0.74	+ 3	−22	−10	+ 6	+ 3	+ 5	+ 5	+ 2	− 4	+ 3			2	0.82
84935	17 21 31.58	+29 43 32.9	9.97	H	260.381 569 73	+29.725 810 96		−0.18	10.84	−24.82	0.92	1.05	1.32	1.05	1.27	+11	−30	− 8	+19	+13	−14	+14	− 7	+ 3	+23			0	0.52
84936	17 21 31.61	−22 55 33.1	8.70	H	260.381 715 43	−22.925 852 31		17.63	−3.30	−29.93	1.39	0.97	1.64	1.72	1.01	−21	−25	−36	+22	−46	− 5	−30	+67	−32	−44			0	−0.03
84937	17 21 33.20	+31 51 39.8	8.90	H	260.388 319 33	+31.861 054 47		8.57	9.87	−35.76	0.72	0.89	1.02	0.84	1.27	+ 5	− 9	+ 5	+ 0	+ 5	−10	+ 4	−18	+ 9	− 6			0	1.33
84938	17 21 33.45	+16 43 52.6	6.35	2 H	260.389 359 59	+16.731 266 22		4.39	−6.46	−15.50	0.51	0.51	0.75	0.56	0.54	−17	−18	+ 3	− 1	+31	+16	+27	+10	+ 4	+17			0	0.24
84939	17 21 33.66	+14 27 48.6	8.14	H	260.390 233 11	+14.463 505 58		0.30	−1.02	1.46	0.79	0.67	0.96	0.87	0.76	+12	−17	−19	+27	+29	+16	+36	+25	−13	+12			0	0.62
84940	17 21 33.68	+02 57 27.3	9.23	H	260.390 335 36	+02.957 593 09		2.17	−2.87	−20.14	1.34	0.78	1.59	1.44	0.92	+22	−52	− 1	+42	+38	−31	+48	+25	−33	+43			0	1.86
84941	17 21 34.99	−79 03 54.3	7.41	H	260.395 805 28	−79.065 072 01		5.21	8.38	11.84	0.48	0.59	0.68	0.49	0.74	− 7	−28	− 1	+21	−12	−12	−16	− 1	+ 6	−15			0	0.66
84942	17 21 35.20	−40 21 34.5	8.22	H	260.396 669 66	−40.359 580 26		1.81	−7.82	−7.95	1.04	0.53	1.15	1.14	0.51	− 2	−28	− 5	+35	− 4	− 8	+ 0	+20	−12	− 1			0	2.19
84943	17 21 35.78	+20 08 44.1	9.06	H	260.399 097 89	+20.145 587 01		1.90	4.76	−1.30	0.92	0.86	1.39	1.38	1.16	+18	−26	− 6	− 4	− 8	− 5	+ 4	+19	−28	+ 3			0	−0.31
84944	17 21 36.95	−16 49 16.5	10.51	G	260.403 956 67	−16.821 239 54		0.55	5.15	−1.53	1.83	1.36	1.89	2.22	1.49	−20	−25	−11	+26	−41	+ 8	−27	+68	−13	−41			0	0.79
84945	17 21 38.80	+35 49 24.4	7.45	H	260.411 653 10	+35.823 430 57		12.08	−16.23	58.72	0.53	0.65	0.73	0.60	0.77	+12	−14	+ 2	+18	+11	−12	+15	−18	+11	+26			2	−0.47
84946	17 21 41.53	+40 05 30.9	8.03	2 H	260.423 050 82	+40.091 906 79		1.26	7.06	3.94	0.55	0.70	0.72	0.57	0.81	− 6	−14	− 9	+ 3	+12	−19	+12	−20	+ 3	− 3			1	1.20
84947	17 21 41.58	−24 54 21.6	6.36	H	260.423 262 04	−24.906 009 39		5.07	−34.21	−38.49	0.70	0.48	0.76	0.79	0.51	−20	−27	−15	+13	−25	−16	−19	+42	− 2	−44			0	1.38
84948	17 21 42.37	+22 55 16.0	10.53	3 H	260.426 531 01	+22.921 113 90		1.10	−16.83	2.37	1.18	1.11	1.61	1.27	1.43	+23	−44	−22	− 6	+20	− 6	+29	− 3	−22	+ 8			0	2.42
84949	17 21 43.61	+39 58 29.3	5.55	2 H	260.431 720 28	+39.974 808 22		15.53	5.67	−65.62	0.85	1.10	1.16	1.01	1.60	− 1	−11	−27	−12	+ 4	− 8	− 1	−20	− 4	−25			3	
84950	17 21 45.35	+53 25 13.5	5.69	H	260.438 959 66	+53.420 422 12		5.52	18.54	2.60	0.46	0.50	0.51	0.49	0.57	+ 7	−13	+ 2	+12	+14	− 5	+17	− 6	+ 4	+21			0	0.32
84951	17 21 46.73	−63 26 03.1	8.40	H	260.444 713 65	−63.434 184 90		1.35	1.43	−7.46	0.78	0.73	1.05	0.90	0.80	− 9	−15	− 7	+ 2	−21	+ 7	−21	−11	− 5	−31			0	−0.64
84952	17 21 46.96	−35 20 54.2	8.28	H	260.445 661 79	−35.348 396 02		6.96	−12.05	−42.28	0.99	0.57	1.06	1.10	0.59	+15	−31	−15	+26	− 7	− 5	− 3	+25	−11	+ 7			0	−0.37
84953	17 21 47.68	+35 48 02.4	8.74	H	260.448 649 17	+35.800 678 17		6.85	12.73	−32.43	0.72	0.82	0.96	0.81	0.98	+22	−13	− 5	+24	+ 9	−20	+11	−24	+ 8	+27			2	0.43
84954	17 21 49.64	+23 41 10.7	7.41	H	260.456 839 22	+23.686 310 88		3.80	−3.99	0.59	0.37	0.56	0.91	0.45	0.80	+13	+ 5	−11	−29	+ 8	−12	+ 6	+ 6	−26	+16			0	1.53
84955	17 21 50.52	+09 44 09.4	7.17	H	260.460 518 20	+09.735 950 23		1.74	−6.70	−13.00	0.83	0.60	0.91	1.01	0.70	+32	−26	+11	+28	+43	+ 5	+40	+37	− 7	+54			0	0.81
84956	17 21 50.90	−49 17 05.6	8.90	H	260.462 080 47	−49.284 882 73		10.37	25.28	−126.87	1.21	0.71	1.34	1.26	0.71	− 5	−46	+ 7	+22	+ 1	+10	− 1	+15	+ 2	+ 0			2	0.84
84957	17 21 51.01	−42 51 44.1	9.84	H	260.462 550 80	−42.862 243 34		0.56	0.94	−7.59	1.61	0.89	1.76	2.12	0.88	− 8	− 9	− 9	+27	−15	+23	− 9	+ 8	+ 6	+ 3			0	1.34
84958	17 21 51.56	−20 34 10.0	7.03	H	260.464 852 84	−20.569 440 54		1.61	1.71	1.67	0.98	0.68	1.02	1.11	0.74	−29	−34	−15	+31	−47	+ 4	−31	+67	−21	−45			0	0.28
84959	17 21 51.95	−77 11 35.7	7.26	H	260.466 447 91	−77.193 242 99		4.45	−0.59	1.31	0.46	0.60	0.69	0.46	0.69	+ 6	−20	+ 4	−24	− 4	− 1	− 1	−18	− 9	− 4			0	−1.33
84960	17 21 53.10	−23 48 56.6	10.07	G	260.471 259 18	−23.815 717 04		5.11	17.18	−14.51	1.66	1.15	1.77	1.94	1.23	−22	−28	− 3	+13	−38	− 9	−25	+55	−13	−37			0	0.52
84961	17 21 53.95	+03 17 38.7	8.89	H	260.474 801 27	+03.294 089 37		3.14	−2.07	−7.45	1.03	0.75	1.23	1.11	0.81	+ 3	−32	+17	+20	+34	+ 8	+34	+18	− 8	+17			2	0.43
84962 H	17 21 54.75	+12 29 59.1	8.87	H	260.478 104 41	+12.499 749 95	A	7.35	3.20	9.98	2.98	1.90	2.44	2.38	1.66	+13	−18	−30	+27	+39	+ 9	+35	+43	−21	+31			2	−0.38
84963	17 21 55.94	+06 16 37.0	10.34	H	260.483 063 93	+06.276 947 85		5.33	−10.30	17.75	1.45	1.12	1.86	1.59	1.27	−15	−29	− 1	+17	+12	−17	+15	+14	−15	−12			0	−0.86
84964	17 21 56.31	−17 46 28.8	9.08	H	260.484 645 05	−17.774 678 59		2.18	−35.88	−26.75	1.52	0.94	1.72	1.54	0.98	− 8	−46	−13	+ 9	−45	−15	−19	+64	−20	−37			2	−1.05
84965	17 21 57.13	+11 40 20.3	7.07	H	260.488 030 76	+11.672 316 19		2.01	8.37	−11.25	0.79	0.57	0.91	0.85	0.62	+29	−35	−11	+41	+42	− 2	+44	+39	−18	+37			0	1.85
84966 H	17 21 58.16	−33 24 52.4	8.76	G	260.492 348 74	−33.414 553 81	A	−0.34	3.91	1.12	2.10	1.21	2.03	2.51	1.27	+ 9	−24	−15	+22	+16	− 5	+12	+26	− 3	− 9			1	−0.15
*84967	17 21 58.89	−51 51 01.4	7.97	H	260.495 363 36	−51.850 379 01		3.62	−9.16	−16.37	0.96	0.67	1.05	1.20	0.69	+14	−20	− 9	+11	+37	−12	+31	+16	− 3	+14			2	1.52
*84968	17 21 58.89	−73 46 16.7	12.02	H	260.495 357 01	−73.771 308 74		1.81	−75.12	−40.76	2.02	2.89	3.60	2.27	3.71	+ 3	− 7	+ 4	− 9	−11	−15	−10	−11	−17	+12			3	0.77
84969	17 21 59.53	−67 46 14.3	4.76	H	260.498 061 57	−67.770 649 60		10.46	−37.10	−7.78	0.38	0.47	0.66	0.48	0.55	−12	−19	+11	+21	−21	− 1	−17	+ 8	− 4	− 3			1	0.42
84970	17 22 00.58	−24 59 58.2	3.27	1 H	260.502 433 71	−24.999 487 97		5.79	−8.84	−23.64	0.62	0.43	0.69	0.71	0.47	−19	−23	−14	+ 9	−28	−26	−22	+39	+ 4	−50			0	1.94
84971	17 22 00.78	+19 45 29.3	8.39	H	260.503 239 63	+19.758 150 64		1.98	−9.28	1.25	0.74	0.74	1.16	0.98	1.03	+16	−37	− 9	− 4	+ 2	+ 2	+14	+35	−19	− 1			0	−0.29
84972	17 22 01.13	+21 09 16.9	7.03	H	260.504 700 29	+21.154 694 59		6.94	−58.65	36.87	0.42	0.54	0.84	0.86	0.74	−19	− 3	−11	+21	+18	−19	+ 9	+27	−12	+ 9			0	−1.67
84973	17 22 02.03	+56 37 42.4	8.62	H	260.508 452 33	+56.628 450 67		3.09	2.63	−12.60	0.60	0.72	0.70	0.66	0.90	− 1	− 5	+11	+ 9	− 6	+19	− 9	+26	+ 9	− 2			1	0.22
84974	17 22 02.73	+06 31 47.3	8.47	H	260.511 389 24	+06.529 798 86		5.20	4.34	−14.53	0.89	0.71	1.14	0.87	0.75	−18	−42	+17	+16	+18	− 1	+18	+17	− 3	− 5			0	−1.31
84975 T	17 22 04.12	+05 00 03.5	6.67	H	260.517 157 15	+05.000 972 64		12.05	22.78	−64.22	0.72	0.54	0.90	0.88	0.66	+ 8	−24	−10	+33	+14	+14	+18	+32	−14	+11			0	0.15
84976 H	17 22 04.55	+23 09 40.4	8.29	H	260.518 944 92	+23.161 227 47	*	9.01	−10.27	54.28	0.59	0.79	1.22	0.75	1.09	+14	−16	−27	−34	+10	+10	+22	+21	−20	− 3			0	1.01
84977	17 22 05.05	+31 59 14.5	8.21	H	260.521 043 21	+31.987 371 16		10.61	−9.71	42.52	0.61	0.73	0.88	0.73	1.07	+ 3	− 3	− 1	+14	+ 4	− 5	+ 3	− 9	+14	− 5			0	−0.20
84978	17 22 05.64	+07 58 14.6	10.19	H	260.523 499 66	+07.970 708 52		6.63	1.87	12.14	1.47	1.17	1.81	1.65	1.23	+24	−26	−22	+43	+46	−18	+42	+21	+ 1	+22			0	−0.20
84979 H	17 22 05.88	−70 07 23.4	5.39	H	260.524 495 72	−70.123 178 87	*	2.85	−1.73	−12.04	0.29	0.46	0.63	0.29	0.55	+ 5	− 9	− 1	−20	−10	− 6	−12	−27	− 7	+ 2			0	0.20
84980	17 22 06.37	−23 34 25.9	8.24	H	260.526 525 99	−23.573 855 06		5.58	−10.07	−8.51	1.13	0.72	1.29	1.33	0.78	− 9	−34	−24	+ 2	−33	−11	−15	+50	−15	−42			0	−0.23
84981	17 22 08.53	+00 53 26.9	10.95	H	260.535 537 90	+00.890 805 79		18.38	102.74	27.36	3.75	2.59	4.73	5.31	2.81	− 8	−13	−20	− 7	+45	−44	+38	−10	−19	+26			0	
84982	17 22 09.13	−30 30 04.8	7.19	H	260.538 021 28	−30.501 328 28		2.46	−6.58	−9.04	0.87	0.56	0.96	0.94	0.60	−16	−38	−15	+22	−28	− 6	−15	+52	−15	−41			2	1.22
84983	17 22 09.37	+05 12 50.4	7.74	H	260.539 052 96	+05.213 999 06		4.07	20.02	−15.91	0.88	0.62	1.05	1.04	0.72	+23	−18	−12	+46	+28	+ 7	+31	+31	−20	+21			0	−0.10
*84984	17 22 09.55	−46 49 26.8	12.74	H	260.539 777 42	−46.824 122 98	B	23.26	31.22	−21.55	71.90	45.45	30.06	43.68	23.03	− 2	−49	− 5	− 3	+16	− 3	+ 7	−13	+ 8	+ 1			5	2.45
*84985	17 22 09.45	+26 32 13.4	8.87	H	260.539 360 13	+26.537 053 43		3.73	8.20	11.16	0.65	0.83	1.11	0.84	1.06	+ 2	−15	− 8	+10	− 3	−15	− 3	+ 9	− 4	+16			2	−0.79
84986	17 22 10.68	−46 49 24.3	10.47	H	260.544 509 42	−46.823 429 67	A	0.54	−10.97	−17.40	6.05	3.49	5.11	6.59	3.01	+ 0	−40	− 1	− 6	+11	− 2	+ 5	−16	+ 5	+ 5			5	2.45
84987	17 22 13.52	−31 39 28.3	9.03	G	260.556 347 11	−31.657 849 47		10.88	−12.38	−74.94	1.28	0.87	1.39	1.45	0.95	−30	−28	−18	+13	−44	+ 7	−29	+49	−24	−47			0	−1.45
84988	17 22 14.86	−75 20 51.1	7.00	G	260.561 901 59	−75.347 533 64		35.85	−957.24	−253.38	0.44	0.56	0.70	0.51	0.73	+ 7	−17	− 3	−10	−11	− 5	−10	−20	−20	−12			2	−1.16
84989	17 22 15.50	−64 04 18.1	8.75	H	260.564 583 60	−64.071 707 71		2.23	−3.48	−10.99	0.77	0.75	1.17	0.91	0.79	− 3	−21	+ 9	− 6	−10	+27	−10	−16	− 9	− 8			0	0.66
84990	17 22 16.41	−09 42 58.7	9.38	G	260.568 381 70	−09.716 315 82		2.10	11.96	0.94	1.47	0.90	1.68	1.76	1.02	−16	−27	+ 4	+ 1	−17	−18	+ 0	+49	− 9	−39			0	−0.43
84991	17 22 18.58	+78 23 37.3	9.60	H	260.577 430 97	+78.393 708 04		5.24	−6.47	29.52	0.74	0.58	0.76	0.89	0.81	+15	−10	− 7	−32	+ 0	+ 1	+ 1	−15	+ 9	+12			0	−0.93
84992	17 22 19.45	+02 20 08.7	9.71	G	260.581 052 30	+02.335 739 58		16.59	−148.89	−166.86	1.18	0.85	1.56	1.20	0.91	−21	−38	+16	+ 5	+16	−17	+24	+ 1	−17	− 3			0	−1.40
84993	17 22 20.45	+01 25 24.9	8.84	H	260.585 213 72	+01.423 578 51		4.17	7.47	7.62	1.03	0.69	1.39	1.27	0.74	− 8	+ 3	−20	−17	+33	−41	+26	− 8	− 7	− 4			0	−1.95
84994	17 22 21.08	−52 52 56.6	9.26	H	260.587 820 43	−52.882 389 67		12.33	−64.11	−121.19	1.21	0.85	1.47	1.28	0.85	+ 9	−20	+ 7	+ 7	+17	+ 0	+17	− 9	−15	+ 7			0	−0.18
84995	17 22 22.22	−31 17 50.5	8.28	G	260.592 587 78	−31.297 361 78		7.07	19.62	−29.95	1.11	0.68	1.25	1.09	0.71	−32	−37	−13	+17	−34	− 5	−20	+50	−21	−48			0	0.59
84996	17 22 22.31	−26 12 55.4	8.11	H	260.592 977 55	−26.215 400 44		3.92	−34.16	−61.10	1.10	0.82	1.12	1.34	0.88	−44	+ 0	−27	+30	−50	+ 6	−40	+67	−22	−63			0	1.28
84997	17 22 23.79	−49 45 42.1	7.59	H	260.599 141 71	−49.761 703 78		2.93	−2.88	−5.93	0.95	0.56	1.02	0.94

No.	Tycho Magnitudes					Colour Indices					Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
84901						1.880	0.045	G	2.32	0.21	K	11.9260	0.0120	0.073	76		11.82	12.02					1							D
84902	10.527	0.040	9.875	0.035		0.605	0.045	T	0.67	0.04	L	9.9814	0.0029	0.019	90		9.95	10.02		C			1							
84903	8.786	0.013	7.513	0.008		1.084	0.012	T	1.05	0.01	L	7.5509	0.0016	0.010	69		7.53	7.57		C			1 G							S
84904	10.213	0.020	8.992	0.013		1.043	0.019	T	1.01	0.02	L	9.0240	0.0020	0.023	164		8.98	9.07		C			1							
84905	7.633	0.006	7.014	0.005		0.571	0.009	G	0.67	0.02	A	7.0767	0.0009	0.009	113		7.06	7.09		C			1							S
84906	8.293	0.011	8.166	0.013		0.123	0.016	T	0.14	0.02	L	8.1952	0.0013	0.014	107		8.17	8.23		C			1							S
84907	9.563	0.024	8.684	0.019		0.769	0.024	T	0.81	0.02	L	8.7558	0.0021	0.013	72		8.73	8.78					1							
84908	11.178	0.076	9.692	0.032		1.251	0.065	T	1.21	0.06	L	9.6903	0.0018	0.014	64		9.66	9.72		D			1							G
84909	11.165	0.076	10.216	0.053		0.935	0.015	G	0.93	0.01	K	10.1690	0.0039	0.029	78		10.13	10.22		C			1 S							G
84910	8.118	0.009	7.458	0.007		0.626	0.015	G	0.69	0.01	H	7.5064	0.0008	0.009	110		7.49	7.52		C			1							S
84911	9.839	0.027	8.996	0.021	*	0.741	0.026	T	0.79	0.02	L *	8.8913	0.0027	0.017	88	*	8.85	8.93		D	17212−4133	I 1	2 C A	AB	299	1.060	0.006	0.32	0.02	
84912	8.744	0.013	8.637	0.015		0.103	0.015	G	0.12	0.02	H	8.6603	0.0015	0.015	95		8.64	8.69					1							
84913	8.253	0.012	7.751	0.011		0.472	0.015	T	0.54	0.02	L	7.7747	0.0013	0.010	77		7.76	7.80		C			1							S
84914	9.670	0.018	8.988	0.015		0.630	0.019	T	0.70	0.02	L	9.0620	0.0020	0.020	124		9.03	9.10					1							
84915											T	11.2179	0.0646	0.483	103		10.86	12.34		U 2	17212+7329	I 1	S							G Y
84916	8.723	0.011	7.665	0.008		0.918	0.010	T	0.92	0.01	L	7.7151	0.0015	0.014	107		7.69	7.74					1							S
84917	9.423	0.019	8.943	0.018		0.450	0.015	G	0.52	0.02	H	8.9846	0.0017	0.016	108		8.95	9.02					1							
84918	8.529	0.011	6.990	0.006		1.293	0.010	T	1.25	0.01	L	7.0183	0.0012	0.011	110		7.00	7.03					1							S
84919	8.661	0.011	8.103	0.010		0.522	0.013	T	0.59	0.01	L	8.1575	0.0011	0.011	107		8.14	8.18			17212+0133	I 1	1							S
84920	7.578	0.006	6.967	0.005		0.573	0.001	G	0.65	0.00	H	7.0266	0.0010	0.011	129		7.01	7.05		C			1							S
84921	10.697	0.046	10.170	0.046		0.495	0.059	T	0.57	0.06	L	10.2280	0.0030	0.031	87		10.18	10.28		C			1							G
84922	9.466	0.019	9.697	0.031		−0.134	0.004	G	−0.13	0.01	H	9.6240	0.0041	0.029	116		9.57	9.67					1							G
84923	8.788	0.012	8.279	0.011		0.488	0.015	G	0.56	0.02	H	8.3376	0.0015	0.014	94		8.32	8.36					1							S
84924	8.557	0.013	7.855	0.011		0.627	0.009	G	0.69	0.01	H	7.9121	0.0014	0.012	79		7.90	7.93		C			1 O							S
84925	9.925	0.025	8.668	0.016		1.071	0.023	T	1.04	0.02	L	8.7401	0.0016	0.015	121		8.72	8.77		C			1							
84926	9.157	0.013	8.017	0.009		0.980	0.012	T	0.96	0.01	L	8.0722	0.0014	0.018	171		8.04	8.10					1							
84927	9.262	0.016	7.896	0.010		1.157	0.015	T	1.12	0.01	L	7.9402	0.0016	0.010	81		7.92	7.97		C			1							
84928	9.572	0.022	8.193	0.013		1.167	0.020	T	1.13	0.02	L	8.2172	0.0012	0.013	78		8.20	8.24					1							
84929	9.886	0.027	9.411	0.028		0.460	0.030	T	0.53	0.03	L	9.4644	0.0029	0.018	66		9.43	9.49		C			1							G
84930	8.420	0.013	8.074	0.014		0.335	0.017	T	0.39	0.02	L	8.1009	0.0014	0.009	83		8.09	8.12		C			1							
84931	7.652	0.009	7.535	0.009		0.106	0.012	T	0.12	0.01	L	7.5729	0.0011	0.010	86		7.56	7.59		C			1							S
84932	8.797	0.012	7.741	0.008		0.916	0.011	T	0.91	0.01	L	7.8010	0.0012	0.014	120		7.78	7.83					1							S
84933	9.350	0.022	8.593	0.018		0.676	0.022	T	0.74	0.02	L	8.6326	0.0022	0.013	75		8.61	8.67		C			1							
84934	7.267	0.005	6.468	0.004	*	0.724	0.005	T	0.78	0.00	L *	6.5166	0.0008	0.009	153	*	6.50	6.53		D	17215+2845	I 1	2 C A	AB	165	0.716	0.009	2.99	0.05	S
84935	11.789	0.092	10.072	0.033		1.433	0.077	T	1.42	0.12	L	10.1092	0.0028	0.029	145		10.05	10.16					1							
84936	9.444	0.021	8.777	0.019		0.608	0.021	T	0.68	0.02	L	8.8324	0.0014	0.016	62		8.81	8.86					1							
84937	9.866	0.020	8.980	0.015		0.789	0.019	T	0.82	0.01	L	9.0547	0.0017	0.019	129		9.02	9.09		C			1							
84938	8.442	0.009	6.546	0.004		1.608	0.008	T	1.99	0.03	O	6.4316	0.0023	0.016	119		6.40	6.47		U 2			1							S
84939	10.366	0.030	8.336	0.011		1.730	0.015	G	1.74	0.09	H	8.2402	0.0020	0.017	84		8.22	8.27					1							
84940	11.131	0.064	9.416	0.024		1.431	0.054	T	1.42	0.09	L	9.3758	0.0018	0.016	87		9.35	9.41		C			1							
84941	7.773	0.006	7.440	0.006		0.316	0.008	T	0.36	0.01	L	7.4909	0.0008	0.008	129		7.48	7.51		C			1							S
84942	8.394	0.010	8.225	0.012		0.154	0.015	T	0.17	0.01	L	8.2745	0.0013	0.012	103		8.25	8.29					1							
84943	10.285	0.024	9.180	0.016		0.953	0.022	T	0.94	0.02	L	9.2197	0.0025	0.024	130		9.17	9.28		C			1							
84944	12.648	0.350	10.460	0.071		1.160	0.044	G	1.12	0.04	H	10.5384	0.0048	0.029	74		10.48	10.59					1							G
84945	7.919	0.008	7.487	0.007		0.408	0.010	T	0.47	0.01	L	7.5440	0.0012	0.009	112		7.53	7.56					1							S
84946	10.124	0.023	8.245	0.010		1.561	0.020	T	1.58	0.02	L	8.1501	0.0023	0.023	121		8.11	8.19		U 2			1							
84947	8.200	0.012	6.526	0.005		1.399	0.010	T	1.38	0.01	L	6.5062	0.0007	0.007	78		6.49	6.52		D			1							S
84948	10.544	0.048	8.896	0.020		1.500	0.510	G	3.91	0.98	Q	10.0409	0.1882	1.581	152		7.94	11.21	218.10	P 1 B			1 G							G P
84949	6.379	0.004	5.634	0.004		0.667	0.004	T	0.73	0.00	L	5.6831	0.0009	0.021	115		5.67	5.75	2.23	P 1 A			1 X S							S P
84950	7.608	0.007	5.853	0.004		1.463	0.006	T	1.47	0.01	L	5.8201	0.0011	0.008	92		5.81	5.84					1							S
84951	8.372	0.010	8.384	0.013		−0.006	0.015	T	0.01	0.01	L	8.4065	0.0018	0.016	100		8.38	8.43					1							
84952	9.316	0.017	8.374	0.012		0.831	0.015	T	0.85	0.01	L	8.4344	0.0014	0.012	88		8.42	8.46		C			1							
84953	9.261	0.014	8.784	0.014		0.449	0.018	T	0.52	0.02	L	8.8378	0.0019	0.016	111		8.81	8.87		C			1							
84954	7.376	0.004	7.402	0.004		−0.019	0.005	T	0.00	0.01	L	7.4133	0.0007	0.011	256		7.40	7.43		C			1							S
84955	8.510	0.011	7.279	0.007		1.051	0.010	T	1.02	0.01	L	7.3367	0.0012	0.013	87		7.31	7.35					1							S
84956	9.564	0.023	8.934	0.020		0.581	0.023	T	0.65	0.02	L	9.0239	0.0023	0.018	79		9.00	9.06					1							
84957	10.695	0.043	9.946	0.036		0.685	0.044	T	0.74	0.04	L	9.9853	0.0029	0.028	87		9.95	10.02		C			1							G
84958	9.236	0.018	7.218	0.008		1.672	0.016	T	1.70	0.02	L	7.1366	0.0013	0.009	74		7.12	7.15		C			1							S
84959	9.493	0.014	7.480	0.006		1.668	0.012	T	1.69	0.01	L	7.3705	0.0013	0.013	160		7.35	7.40					1							S
84960	10.635	0.050	10.184	0.053		0.494	0.020	G	0.57	0.02	H	10.1853	0.0033	0.025	75		10.15	10.24		C			1							G
84961	9.076	0.013	8.915	0.015		0.155	0.019	T	0.17	0.02	L	8.9479	0.0018	0.017	96		8.91	8.99		C			1							
84962	9.632	0.019	8.962	0.017	*	0.620	0.021	T	0.69	0.02	L *	9.0051	0.0016	0.014	91	*	8.98	9.04		D	17219+1230	H 1	2 C A	AB	97	0.431	0.004	0.68	0.04	
84963	12.004	0.156	10.444	0.060		1.309	0.132	T	1.27	0.14	L	10.4935	0.0038	0.030	87		10.44	10.55					1							G
84964	11.294	0.093	9.316	0.029		1.560	0.043	G	1.53	0.04	J	9.2039	0.0020	0.015	73		9.17	9.23		C			1							
84965	7.166	0.006	7.078	0.006		0.086	0.008	T	0.10	0.01	L	7.1088	0.0007	0.007	81		7.09	7.12					1							S
84966	9.111	0.019	8.952	0.023	A	0.315	0.015	G	0.36	0.02	H *	8.8258	0.0035	0.017	66	*	8.80	8.85		D	17220−3325	I 1	2 C A	AB	11	3.120	0.011	2.31	0.07	
84967	7.998	0.010	7.970	0.014		0.026	0.015	T	0.04	0.01	L	7.9905	0.0014	0.011	73		7.97	8.01		C			1							
84968											T	12.1619	0.0100	0.096	159		12.02	12.33					1							G
84969	6.344	0.003	4.899	0.002		1.194	0.056	G	1.18	0.02	A	4.9263	0.0004	0.004	180		4.92	4.94					1							S
84970	3.016	0.002	3.229	0.002		−0.186	0.002	T	−0.21	0.02	A	3.1931	0.0019	0.012	64		3.18	3.21	0.14	P 1 A			1 S							S P
84971	10.251	0.021	8.548	0.010		1.422	0.018	T	1.41	0.03	L	8.5307	0.0018	0.019	141		8.50	8.58		C			1							
84972	8.584	0.007	7.157	0.004		1.205	0.006	T	1.16	0.01	L	7.1898	0.0009	0.009	181		7.17	7.20		C			1							S
84973	8.774	0.012	8.636	0.014		0.133	0.017	T	0.15	0.02	L	8.6750	0.0016	0.016	107		8.65	8.71		C	17221+5638	I 1	1							
84974	8.796	0.012	8.487	0.013		0.294	0.017	T	0.34	0.02	L	8.5448	0.0017	0.013	86		8.52	8.58		C			1							S
84975	7.850	0.008	6.779	0.004		0.927	0.007	T	0.92	0.01	L	6.8284	0.0008	0.006	88		6.82	6.84		D	17221+0500	I 1	1 S							S
84976	8.951	0.009	8.364	0.008	*	0.548	0.011	T	0.62	0.01	L *	8.4067	0.0015	0.019	189	*	8.37	8.44			17221+2310	I 1	2 C S A	AB	335	0.168	0.017	1.09	0.49	
84977	8.870	0.011	8.271	0.010		0.559	0.013	T	0.63	0.01	L	8.3341	0.0015	0.016	137		8.31	8.36					1							S
84978	10.734	0.045	10.196	0.043		0.504	0.056	T	0.58	0.06	L	10.2940	0.0024	0.025	87		10.24	10.33		C			1							G
84979	5.340	0.001	5.389	0.001	*	−0.042	0.001	T	−0.02	0.00	L *	5.3884	0.0004	0.006	274	*	5.38	5.40			17221−7007	I 1	2 C S A	AB	100	0.091	0.003	0.56	0.26	S
84980	9.795	0.023	8.370	0.013		1.203	0.021	T	1.16	0.02	L	8.4013	0.0016	0.011	69		8.38	8.43		C			1							
84981											T	11.0903	0.0042	0.038	89		11.04	11.16		C			1 X							G
84982	7.285	0.006	7.204	0.008		0.073	0.009	T	0.08	0.01	L	7.2246	0.0011	0.010	85		7.21	7.24		C			1							S
84983	9.036	0.013	7.857	0.009		1.011	0.012	T	0.99	0.01	L	7.9055	0.0021	0.012	86		7.89	7.93		C			1							S
84984											T	12.9891	0.1436			B				D	17222−4649	I 2	1 C I B							
84985	9.011	0.012	8.880	0.014		0.126	0.017	T	0.14	0.02	L	8.9183	0.0017	0.023	159		8.87	8.96					1							
84986	10.989	0.073	10.586	0.089	A	0.381	0.106	T	0.45	0.12	L	10.5608	0.0161	0.045	72	A	10.48	10.64		D	17222−4649	I 2	1 C P B							D
84987	9.787	0.029	9.093	0.025		0.590	0.015	G	0.66	0.01	H	9.1748	0.0024	0.015	68		9.14	9.20		C			1							
84988	7.722	0.005	7.079	0.005		0.607	0.014	G	0.69	0.02	A	7.1311	0.0009	0.011	173		7.11	7.15		C			1							S
84989	8.849	0.012	8.744	0.014		0.095	0.017	T	0.11	0.02	L	8.7838	0.0024	0.020	115		8.75	8.82					1							
84990	10.178	0.036	9.493	0.031		0.621	0.020	G	0.69	0.02	H	9.5434	0.0020	0.015	56		9.50	9.58					1							
84991	9.987	0.025	9.651	0.028		0.319	0.035	T	0.37	0.05	L	9.6790	0.0016	0.016	112		9.65	9.71		C			1							
84992	10.767	0.047	9.789	0.031		0.864	0.002	G	0.91	0.00	H	9.8525	0.0026	0.020	96		9.82	9.90		C			1							
84993	9.571	0.018	8.922	0.016		0.602	0.021	T	0.67	0.02	L	8.9700	0.0018	0.015	102		8.94	9.00		C			1							
84994	9.965	0.030	9.312	0.026		0.597	0.030	T	0.67	0.03	L	9.3871	0.0024	0.021	80		9.36	9.43		C			1							
84995	8.716	0.016	8.325	0.016		0.362	0.017	G	0.42	0.02	H	8.3663	0.0018	0.012	75		8.35	8.39					1							
84996	10.097	0.036	8.253	0.015		1.551	0.033	T	1.57	0.03	L	8.2168	0.0041	0.024	74		8.17	8.24		R			1 S							S
84997	7.550	0.008	7.593	0.013		−0.035	0.014	T	−0.01	0.01	L	7.5896	0.0016	0.012	80		7.57	7.61		C			1							S
84998	9.424	0.018	8.900	0.018		0.501	0.019	T	0.57	0.02	L	8.9222	0.0028	0.018	86		8.89	8.95					1							
84999	8.618	0.013	8.069	0.012	A	0.536	0.015	G	0.61	0.02	H	8.1276	0.0113	0.020	86	A	8.09	8.16		U	17224−3012	I 1	2 C D	AB	309	16.217	0.061	3.34	0.23	D
85000	8.308	0.010	7.784	0.009		0.492	0.012	T	0.56	0.01	L	7.8410	0.0011	0.012	87		7.82	7.86					1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg	mas	mas/yr		mas		mas	mas/yr												%	
1 2	3	4	5 6 7		8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
85001	17 22 25.28	+40 41 07.8	7.55	H	260.605 328 80	+40.685 492 61	1.89	−1.65	9.07	0.50	0.64	0.65	0.52	0.87	+ 3	− 6	− 9	+ 4	− 2	−10	− 6	−13	− 6	− 6	0	0.40
85002	17 22 26.66	−14 01 12.2	9.10	H	260.611 080 88	−14.020 044 20	2.11	21.72	−29.64	1.35	0.99	1.37	1.62	1.14	−18	−28	−13	+35	−39	− 1	−26	+68	− 5	−48	0	0.30
85003	17 22 26.67	−29 08 49.8	10.06	G	260.611 130 14	−29.147 166 97	3.70	4.68	−3.74	1.68	1.09	1.89	2.64	1.21	−14	−17	−27	+21	−14	−14	−15	+47	− 4	−27	0	0.38
85004	17 22 26.94	−40 05 37.0	9.08	H	260.612 247 86	−40.093 599 50	6.14	−0.88	5.75	1.34	0.59	1.44	1.45	0.57	+11	−42	−14	+28	− 2	− 9	− 2	+ 4	− 1	+ 3	2	−0.53
85005	17 22 27.41	−65 19 09.9	8.27	H	260.614 191 75	−65.319 417 32	1.41	−10.20	−3.42	0.58	0.63	1.03	0.69	0.76	+26	−21	−17	+ 3	−25	+18	−22	+21	− 4	+16	1	0.57
85006	17 22 27.60	+10 11 45.8	7.06	H	260.614 996 11	+10.196 058 19	3.72	−13.24	11.48	0.86	0.69	0.96	0.98	0.72	+38	−15	+19	+42	+56	+10	+54	+42	− 8	+50	0	−0.13
85007	17 22 27.61	+24 52 47.4	6.88	H	260.615 045 45	+24.879 836 74	33.54	62.67	−160.22	0.40	0.58	0.84	0.48	0.79	+10	−11	−13	− 9	+ 6	+ 7	+10	+ 5	−22	+ 9	0	0.46
85008	17 22 28.72	−66 16 08.0	7.41	G	260.619 646 14	−66.268 882 69	2.11	1.37	−9.53	0.55	0.60	0.97	0.64	0.72	+17	−13	+ 0	+12	−26	+ 1	−24	+20	− 8	+ 1	0	−0.70
85009	17 22 29.30	+30 31 41.5	8.41	H	260.622 103 04	+30.528 197 19	2.45	3.96	3.29	0.50	0.71	0.84	0.55	0.88	+ 4	+ 3	−24	+12	+12	−20	+11	−21	+22	+ 7	0	1.40
85010	17 22 29.78	−54 17 07.5	6.81	H	260.624 087 11	−54.285 424 42	24.98	62.06	−94.87	0.63	0.52	0.87	0.70	0.55	−15	−28	−12	−10	−15	+18	−15	+ 1	− 5	− 3	0	0.26
*85011	17 22 30.57	−48 39 33.8	9.32 1	H	260.627 368 70	−48.659 398 13	1.65	−12.31	−28.96	1.31	0.73	1.52	1.61	0.74	+ 0	−33	+ 1	+20	+12	+27	+13	+ 6	+ 3	+16	0	−0.35
*85012	17 22 30.54	+82 36 01.5	9.10	H	260.627 269 00	+82.600 418 67	7.06	−20.53	37.10	0.77	0.72	0.80	0.85	0.93	+ 2	−18	+ 0	− 5	+13	− 2	+17	+28	−20	+ 3	3	−0.53
85013	17 22 31.41	−70 26 31.2	7.17	H	260.630 862 85	−70.441 987 69	5.21	−56.90	−47.82	0.34	0.55	0.76	0.36	0.65	+ 9	− 9	− 5	− 9	−12	−13	−15	−27	−10	+ 1	1	2.81
85014	17 22 31.55	+34 37 08.8	9.36	H	260.631 476 47	+34.619 124 30	2.69	−0.79	10.16	0.78	1.07	1.12	0.84	1.29	+ 9	−11	+ 1	+ 7	+13	+ 1	+14	−18	+14	+15	1	0.69
85015	17 22 33.96	−35 22 54.9	8.01	H	260.641 507 28	−35.381 916 01	3.35	9.11	−70.77	0.92	0.56	1.00	0.99	0.59	+ 4	−37	−13	+25	−15	− 6	− 9	+33	−11	− 6	0	1.90
85016	17 22 33.98	+08 45 29.3	9.33	H	260.641 564 57	+08.758 143 28	1.61	−5.68	−10.43	1.23	0.85	1.35	1.31	0.91	+25	−29	− 9	+44	+44	−10	+46	+27	−12	+38	0	−0.18
85017	17 22 34.56	−19 36 57.0	7.84	H	260.644 017 74	−19.615 844 44	29.87	2.10	−138.52	1.14	0.65	1.20	1.14	0.69	+ 6	−57	−19	+26	−22	+ 0	− 7	+62	−12	−19	0	0.74
85018	17 22 35.35	−17 42 12.8	8.20	H	260.647 292 29	−17.703 561 90	3.86	−9.50	−6.19	1.15	0.89	1.41	1.40	0.97	−20	−29	−39	+18	+ 8	+ 9	−26	+78	−40	−59	0	0.45
85019	17 22 37.90	−35 54 39.4	6.42	H	260.657 932 88	−35.910 932 87 +	27.03	88.18	96.20	0.99	0.47	0.78	1.55	0.82	− 5	−25	− 7	+12	−19	+17	+ 6	+38	−18	−19	0	0.01
85020	17 22 39.22	−37 48 16.7	6.33 2	G	260.663 408 72	−37.804 637 31	−1.15	−1.48	0.13	0.75	0.43	0.78	0.92	0.46	−19	−29	− 1	+19	− 7	− 1	− 7	+29	+ 0	−26	0	0.56
85021	17 22 40.73	+74 39 46.0	7.57	H	260.669 707 56	+74.662 789 18	8.81	−5.48	50.66	0.51	0.48	0.53	0.53	0.58	+ 7	−17	− 2	−10	+ 9	−19	+10	+24	−10	+11	0	−1.22
*85022 H	17 22 41.95	−38 12 08.1	7.67 2	H	260.674 772 04	−38.202 258 77 *	−3.65	−3.56	−10.94	3.85	1.80	2.15	2.55	1.14	+24	−30	+ 1	+16	+17	−11	+15	+ 9	−10	+26	13	3.34
*85023	17 22 41.91	−20 13 33.9	8.00	H	260.674 639 31	−20.226 080 44	6.25	23.82	−7.96	1.10	0.66	1.19	1.15	0.71	− 5	−48	−20	+22	−30	+ 2	−13	+58	−17	−30	0	1.36
85024	17 22 42.04	+49 31 13.4	9.64	H	260.675 177 05	+49.520 382 94	9.63	−80.46	−21.07	0.84	1.08	1.02	0.87	1.33	+10	−17	+ 2	+10	+11	− 2	+12	+ 7	+ 0	− 1	0	−0.04
85025	17 22 42.20	−06 19 51.4	8.16	H	260.675 822 88	−06.330 930 79	10.77	−17.55	−160.41	0.97	0.66	1.04	1.17	0.71	+ 1	−16	− 1	+30	+ 7	+18	+ 7	+54	+ 7	− 8	0	1.68
85026	17 22 43.04	−14 57 35.3	10.89	G	260.679 336 48	−14.959 805 33	37.79	−104.83	−225.01	2.38	1.50	2.55	3.20	1.80	+11	−40	−30	+35	− 5	−14	− 6	+45	+ 1	−17	3	−0.49
85027	17 22 43.24	+34 10 32.2	7.89	H	260.680 147 56	+34.175 606 32	3.45	−1.88	−3.32	0.53	0.61	0.73	0.59	0.91	+ 2	− 6	− 3	+ 3	+ 8	− 1	+11	−13	+13	+10	0	2.12
85028	17 22 44.46	−00 53 37.9	8.02	H	260.685 270 58	−00.893 864 33	6.26	−19.80	−82.83	0.82	0.51	1.01	0.96	0.56	+ 8	−36	+15	+27	+37	+11	+39	+12	−16	+28	0	1.19
85029	17 22 44.66	−12 44 27.7	8.15	H	260.686 082 92	−12.741 024 94	1.39	7.22	9.58	1.05	0.69	1.08	1.22	0.75	− 8	−35	+ 6	+32	− 5	+ 1	− 3	+62	− 5	− 7	0	0.44
85030	17 22 45.01	−56 24 54.2	8.80	H	260.687 534 90	−56.415 068 44	3.92	−34.98	−33.13	0.95	0.83	1.36	1.19	0.95	−15	−12	−12	+ 5	+12	+22	+14	+ 4	+ 3	− 5	0	−0.80
85031 H	17 22 45.18	−03 43 53.4	8.60	H	260.688 264 62	−03.731 489 49 *	1.90	−13.57	−21.53	9.19	3.72	1.87	2.06	1.23	+ 1	−15	+25	+44	+27	+ 9	+22	+64	− 5	+ 7	0	0.33
85032	17 22 45.49	−76 59 35.6	8.34 1	H	260.689 528 02	−76.993 225 05	2.48	1.47	−16.23	0.56	0.77	0.85	0.55	0.87	+ 0	−14	+ 5	−20	+ 2	− 5	+ 3	−18	− 7	− 3	0	−0.44
85033 H	17 22 46.18	−27 40 33.9	8.77	H	260.692 396 28	−27.676 074 82 A	−0.14	−0.77	−0.77	2.55	1.54	2.46	2.65	1.49	+17	−28	− 9	+19	− 3	−20	+ 9	+42	−15	− 2	2	−0.09
85034	17 22 46.42	−25 33 27.4	9.07	H	260.693 414 18	−25.557 617 58	3.28	−3.13	1.67	1.22	0.72	1.36	1.26	0.75	−17	−41	−13	+14	−18	−16	−12	+44	− 2	−39	0	0.40
85035	17 22 46.48	−45 36 51.4	6.68 2	H	260.693 669 14	−45.614 268 47	−0.45	−2.81	−2.36	0.81	0.47	0.89	1.06	0.47	−14	−32	+11	+ 6	−16	− 8	−11	+ 8	− 2	− 1	0	1.60
85036 H	17 22 46.65	−37 39 21.7	8.75	H	260.694 355 76	−37.656 032 24 A	1.90	−2.45	−10.57	1.77	1.06	1.64	1.92	1.04	−22	−22	− 9	+14	−16	−18	− 9	+31	−10	−23	0	−0.14
85037	17 22 47.77	+26 31 25.5	9.12	H	260.699 062 49	+26.523 762 47	1.89	−8.15	8.54	0.73	0.99	1.34	0.97	1.17	+11	−17	−17	+ 1	+ 8	−14	+ 6	− 4	+ 6	+17	1	−0.98
85038 H	17 22 47.94	−58 28 23.0	6.75	H	260.699 766 35	−58.473 042 07 A	15.63	−51.97	−83.67	0.81	0.74	1.01	0.97	0.81	−34	− 3	+ 0	+ 6	−27	+17	−26	− 7	−14	−54	5	1.30
85039	17 22 48.03	+27 51 33.4	7.57	H	260.700 142 47	+27.859 274 48	15.81	−58.04	34.20	0.49	0.63	0.81	0.62	0.87	+10	−10	−24	− 1	− 1	−11	− 4	− 2	− 5	+ 0	0	−0.69
85040	17 22 50.84	−69 37 07.8	8.77	H	260.711 814 27	−69.618 828 38	2.04	9.17	13.74	0.59	0.88	1.22	0.66	1.05	+13	+ 0	+ 0	−38	− 9	− 9	− 7	−19	− 9	+ 5	0	1.49
85041	17 22 50.89	−10 40 18.1	9.55	H	260.712 042 31	−10.671 707 40	3.72	−7.09	−0.52	1.72	0.89	1.78	1.71	1.05	−15	−61	+ 0	−15	−20	+ 4	− 8	+31	+ 3	−44	5	−0.95
85042	17 22 51.26	−02 23 16.5	6.28	G	260.713 580 55	−02.387 914 54	51.39	49.94	−107.54	0.74	0.50	0.85	0.93	0.57	−15	−13	− 7	+45	+ 2	− 1	+ 1	+52	−20	−17	2	−0.33
85043	17 22 52.12	−32 29 21.0	9.81	G	260.717 166 21	−32.489 168 50	−0.71	0.08	0.61	1.75	1.04	1.92	1.97	1.16	− 1	−44	−19	+ 2	−19	− 9	−14	+25	+ 0	−27	2	3.86
85044	17 22 52.22	−52 58 41.2	7.93	H	260.717 589 63	−52.978 099 58	4.56	−3.20	−30.72	0.82	0.60	1.07	0.81	0.59	+ 7	−32	+18	+ 7	− 6	−11	+ 6	−10	−31	+ 9	2	1.35
85045 H	17 22 52.73	+16 27 40.9	8.59	G	260.719 722 15	+16.461 360 10 A	9.36	14.69	−28.50	1.41	1.33	1.78	1.26	1.30	− 5	−21	−20	+ 3	+29	+ 0	+33	+18	−19	+ 6	2	0.43
*85046	17 22 53.30	−33 49 02.5	9.12	H	260.722 081 20	−33.817 362 69	4.02	4.42	11.26	1.40	0.77	1.49	1.63	0.87	−15	−43	− 7	− 7	+17	− 6	+13	+ 2	+ 4	−34	0	1.18
*85047	17 22 53.17	+28 48 33.8	9.63	G	260.721 562 48	+28.809 388 67	15.15	7.95	−262.66	0.87	1.01	1.35	1.15	1.43	+19	−23	−17	+ 9	+ 2	+ 6	+ 0	− 1	+21	+39	3	1.25
85048	17 22 54.73	−37 13 14.5	5.91	H	260.728 060 23	−37.220 693 14	7.75	19.96	−38.37	0.72	0.43	0.78	0.85	0.45	−23	−27	−13	+17	−10	+ 3	− 7	+25	− 9	−36	0	−0.73
85049 H	17 22 55.23	−58 00 37.0	5.86	G	260.730 117 06	−58.010 289 30 A	4.15	−5.59	−15.56	0.68	0.57	0.85	0.76	0.62	−43	+ 0	− 9	+22	−38	+17	−38	+20	−15	−44	5	0.25
85050	17 22 55.50	−57 52 54.6	8.48	H	260.731 244 54	−57.881 827 70	10.42	12.58	−80.72	0.82	0.70	1.10	0.97	0.75	−20	−16	+ 7	− 6	−10	+19	− 8	−19	− 5	−11	0	0.61
85051	17 22 56.06	+09 21 53.8	7.80 1	H	260.733 568 38	+09.364 956 23	5.48	10.64	0.77	0.75	0.63	0.95	0.84	0.69	− 3	−31	+17	+12	+26	+ 8	+20	+33	+ 1	+23	2	0.97
85052	17 22 56.16	+47 10 35.7	8.45	H	260.733 981 24	+47.176 571 17	5.56	−18.21	10.48	0.66	0.73	0.78	0.89	1.04	− 4	− 6	− 7	− 4	− 2	+ 8	+ 0	−17	+10	+ 9	0	0.30
85053	17 22 56.68	−20 12 54.7	7.82	H	260.736 162 40	−20.215 198 91	5.99	−3.10	−3.54	1.06	0.68	1.18	1.21	0.74	−11	−38	−27	+23	−37	+ 6	−18	+59	−25	−38	0	1.72
85054 H	17 22 56.78	−84 30 45.3	9.09	H	260.736 602 79	−84.512 589 05 A	8.21	−19.71	−70.39	3.75	2.54	3.11	3.98	2.75	− 2	− 4	+21	+ 2	− 9	−13	− 9	−15	−22	−13	1	2.02
85055	17 22 57.60	−46 04 31.3	8.18	H	260.739 996 47	−46.075 366 97	1.56	−6.47	−6.53	1.15	0.61	1.19	1.66	0.61	− 7	− 7	+13	+20	− 3	− 7	− 3	+12	+10	− 5	0	0.98
*85056	17 22 57.71	−33 12 31.0	8.84	H	260.740 472 53	−33.208 615 25	8.51	−68.95	−68.15	1.31	0.76	1.37	1.60	0.87	+ 3	−42	− 4	+23	+15	− 1	+ 9	+37	+ 7	− 5	0	−1.00
*85057	17 22 57.71	+29 20 42.4	8.93 2	H	260.740 454 28	+29.345 109 68	8.31	−9.54	15.07	0.72	0.84	1.10	0.76	1.04	+ 8	−41	− 2	+ 9	+ 3	−11	− 1	−13	+15	+20	2	1.00
85058	17 22 59.98	−45 28 13.8	9.71	H	260.749 931 74	−45.470 499 90	5.47	−75.45	−13.44	1.49	0.82	1.57	2.11	0.79	−16	−16	+13	+26	−16	+ 8	−11	+13	+ 4	+ 1	0	1.57
85059	17 23 01.42	−17 58 50.5	11.20	H	260.755 899 99	−17.980 701 68	1.92	−3.64	−5.00	2.78	1.89	2.95	3.36	1.99	− 7	−29	−19	+ 1	−53	− 3	−28	+62	−18	−42	3	0.16
85060	17 23 02.12	+00 50 25.7	7.75	G	260.758 847 66	+00.840 483 10	5.70	5.60	13.20	0.79	0.58	1.09	1.00	0.61	+ 0	−23	−30	+ 4	+42	−27	+35	− 1	−11	− 6	0	0.48
85061	17 23 02.35	−52 09 11.6	10.93	G	260.759 781 21	−52.153 228 98	6.11	−13.67	−1.37	2.06	1.48	2.40	2.63	1.47	+ 3	−11	−19	−16	+24	−25	+17	−15	− 2	+ 0	0	−0.01
85062	17 23 02.44	−63 05 41.5	8.79	H	260.760 177 08	−63.094 869 22	2.01	0.28	−10.77	0.91	0.83	1.22	0.97	0.89	+10	+ 5	−12	−38	−20	+ 3	−19	−23	−10	+ 5	3	−0.26
85063	17 23 02.72	+33 47 51.7	8.60	H	260.761 351 22	+33.797 700 31	9.46	10.04	122.92	0.70	0.85	1.01	0.80	1.11	+ 3	−19	+ 0	+ 9	+ 7	−14	+ 6	−28	+19	+ 7	0	−0.86
85064	17 23 04.41	−07 06 16.0	6.94	H	260.768 373 87	−07.104 455 49	15.21	38.05	−44.46	0.94	0.62	1.12	1.08	0.68	+ 4	−42	−39	+27	−16	− 3	+ 2	+60	−29	−36	0	1.01
85065	17 23 05.30	+25 25 35.1	9.32 2	H	260.772 076 86	+25.426 405 07	3.01	−9.89	−2.38	0.75	1.02	1.47	0.89	1.35	− 5	−11	−19	−12	+ 5	− 7	+ 5	+ 3	−17	− 4	0	−0.62
85066	17 23 06.19	+19 38 09.5	9.84	H	260.775 793 21	+19.635 969 31	10.77	46.75	−220.51	1.11	1.11	1.68	1.43	1.44	+30	−15	+ 2	+ 3	+17	+ 3	+20	+29	+ 0	+18	0	1.66
85067	17 23 06.22	−76 21 05.0	7.92	H	260.775 925 85	−76.351 382 02	8.25	2.28	−41.25	0.48	0.65	0.76	0.55	0.75	+ 4	− 1	+ 3	+ 6	−16	−19	−19	−18	− 4	−11	0	−0.90
85068	17 23 07.11	−56 31 32.0	5.76	H	260.779 635 62	−56.525 556 32	7.98	7.48	3.75	0.60	0.53	0.77	0.73	0.60	−33	−13	−11	+11	+ 0	+13	+ 1	+ 8	+ 4	−24	2	1.76
85069 H	17 23 07.16	−61 43 45.1	8.06	H	260.779 825 78	−61.729 193 94 A	0.73	−2.93	−10.01	1.06	1.03	1.36	1.03	0.96	−17	− 4	+18	−28	− 3	+ 4	+ 0	−26	−12	+ 1	4	0.52
85070	17 23 09.21	+59 19 05.2	9.84	H	260.788 365 54	+59.318 103 04	6.55	7.47	5.28	0.96	0.96	1.00	1.11	1.26	+ 0	+20	+15	−14	+19	+ 4	+21	− 3	− 4	−12	2	−0.47
85071	17 23 09.70	−25 05 51.1	7.28	H	260.790 428 23	−25.097 529 78	6.33	−1.91	−0.09	0.81	0.54	0.88	0.87	0.56	−29	−27	−22	+14	−29	−10	−24	+41	− 4	−54	0	0.96
85072 H	17 23 11.81	−51 01 27.8	10.53	H	260.799 222 99	−51.024 382 46 A	7.31	−6.93	−3.85	11.11	8.33	4.97	5.36	3.58	−28	−15	− 7	+ 0	+12	−21	+11	− 2	+12	−29	2	0.59
85073	17 23 12.18	−59 49 52.9	8.28	H	260.800 748 52	−59.831 348 36	3.66	−3.04	−14.50	0.80	0.69	1.02	0.99	0.73	+20	+15	+30	−40	−34	−18	−30	−43	−32	+ 9	0	0.05
85074	17 23 12.34	+51 33 18.8	8.87	H	260.801 418 62	+51.555 213 61	14.20	−71.12	50.54	0.65	0.74	0.75	0.65	0.83	+ 3	− 4	+ 5	+14	+11	+ 4	+12	+ 1	− 9	+ 3	0	0.32
85075	17 23 12.73	−44 47 29.3	8.49	H	260.803 022 72	−44.791 478 88	0.73	−0.08	−4.95	1.00	0.58	1.08	1.11	0.55	−18	−36	− 2	+ 7	−10	− 1	− 8	+ 0	+ 4	−14	0	1.96
85076	17 23 15.52	+71 52 11.6	7.06 2	H	260.814 682 58	+71.869 897 89	2.75	−4.76	12.91	0.56	0.57	0.58	0.53	0.61	+12	−18	+ 3	+ 9	+11	−14	+11	+32	−11	+22	0	−1.32
85077	17 23 15.84	−42 30 37.9	8.48	H	260.815 995 97	−42.510 530 92	1.49	−11.39	−30.51	1.12	0.55	1.17	1.33	0.52	− 9	−20	+ 2	+28	+ 1	+ 9	+ 3	− 2	+ 5	+ 4	0	0.44
85078	17 23 15.93	−22 29 02.9	10.16	H	260.816 372 78	−22.484 151 42	7.14	−9.22	29.47	2.13	1.42	2.74	2.52	1.56	−29	− 3	−42	+22	−42	+14	−28	+72	−53	−42	3	−0.34
85079	17 23 16.08	−47 28 05.4	5.21 1	H	260.817 004 00	−47.468 153 80	4.52	−6.66	−17.63	0.72	0.44	0.81	0.88	0.43	−17	−31	+24	+15	− 1	− 7	+ 2	+10	− 2	+10	2	0.54
85080 H	17 23 16.16	−19 26 55.4	8.03	H	260.817 325 20	−19.448 708 92 A	5.49	−0.83	2.62	1.54	1.09	1.41	1.45	0.89	+20	−33	−19	+ 7	− 6	+ 5	+12	+47	−21	+ 0	0	0.13
85081	17 23 17.67	−27 58 01.0	9.42	G	260.823 617 26	−27.966 939 93	14.78	59.31	10.48	1.67	0.86	1.79	2.16	0.97	− 3	−47	− 3	+15	+ 5	−25	− 7	+43	− 9	+10	3	1.57
85082	17 23 17.83	−33 49 11.2	8.35	H	260.824 309 37	−33.819 784 29	2.87	2.78	−2.88	1.22	0.67	1.30	1.37	0.80	−14	−51	− 5	− 9	+ 9	− 4	+10	+15	+ 3	−39	0	0.28
85083	17 23 19.84	+09 28 00.4	7.19	H	260.832 670 43	+09.466 788 90	6.26	22.28	−7.86	0.66	0.51	0.81	0.74	0.56	+ 8	−29	+13	+16	+31	+10	+28	+25	− 6	+28	2	−0.36
85084	17 23 21.59	−28 08 33.9	5.30	H	260.839 962 12	−28.142 760 32	5.44	0.37	−29.26	0.77	0.50	0.88	0.83	0.52	− 5	−39	−25	+18	−23	−21	−18	+39	− 5	−40	0	0.35
85085	17 23 22.54	−05 26 17.4	8.94	H	260.843 904 49	−05.438 154 39	3.52	−6.32	0.83	1.11	0.78	1.26	1.49	0.86	−14	−22	−24	+33	−22	+32	− 7	+64	−29	−37	0	−0.84
85086	17 23 22.66	+57 00 42.1	6.53	H	260.844 427 29	+57.011 684 68	10.09	3.70	14.06	0.48	0.53	0.55	0.57	0.65	+ 8	− 2	+19	+ 2	− 7	+14	−10	+ 1	− 4	+20	3	1.04
85087	17 23 25.08	+10 52 50.1	9.75 2	H	260.854 492 68	+10.880 589 56	1.19	−11.84	2.21	1.19	1.00	1.54	1.19	1.05	+26	−19	+14	+36	+48	− 7	+51	+28	−16	+35	0	2.02
85088	17 23 25.71	−35 11 57.6	9.75	G	260.857 104 96	−35.199 336 39	6.43	19.10	20.84	1.58	0.91	1.65	1.76	0.91	−14	−23	−10	+40	−19	− 4	−15	+41	−10	−15	0	1.41
85089	17 23 25.98	+61 12 41.4	9.81	H	260.858 231 85	+61.211 500 98	0.78	−1.14	7.72	0.97	0.97	1.10	1.04	1.04	+ 9	−18	−20	−15	−26	+28	−23	−20	− 5	−10	2	0.35
85090	17 23 27.04	−03 07 19.4	7.78	H	260.862 669 07	−03.122 048 42	8.91	−23.18	−17.44	1.03	0.70	1.04	1.45	0.77	− 6	+ 8	+26	+65	+16	+21	+ 4	+66	+ 6	− 9	0	1.21
85091	17 23 27.64	+42 58 34.6	8.82	H	260.865 155 77	+42.976 276 57	1.04	−10.37	14.07	0.77	0.81	0.92	0.91	1.00	+ 1	−14	−11	−10	+11	−26	+ 9	−24	+ 6	+ 6	1	0.13
85092	17 23 28.01	−13 44 02.8	10.02	G	260.866 690 12	−13.734 113 80	9.26	28.17	−1.65	1.47	0.98	1.57	1.63	1.09	−10	−36	−14	+22	−32	+ 1	−21	+53	−10	−31	0	−0.88
85093	17 23 29.61	−69 25 24.9	8.76	H	260.873 364 83	−69.423 594 96	9.43	−33.37	−113.85	0.57	0.89	1.24	0.69	1.06	+18	+ 2	+ 6	−24	−13	−10	−12	−27	+16	+ 0	3	3.27
85094	17 23 29.93	−37 04 39.2	8.35	H	260.874 690 52	−37.077 568 88	−0.81	−0.76	−3.59	1.06	0.54	1.12	1.14	0.54	−18	−38	+ 1	+31	− 9	− 7	− 9	+28	+ 0	−27	0	0.40
85095	17 23 30.04	−67 55 44.8	8.89 3	H	260.875 155 54	−67.929 105 16	2.05	−4.12	−14.29	0.63	0.83	1.19	0.84	1.02	− 3	−16	+12	+20	−22	−14	−18	+18	− 5	+ 9	0	1.51
85096 H	17 23 30.10	+16 54 10.7	7.62	H	260.875 428 55	+16.902 962 63 A	6.40	−3.30	0.32	0.85	0.92	1.13	0.90	0.95	− 8	− 1	+ 1	+12	+26	+ 6	+12	+47	+12	+29	0	−0.14
85097	17 23 31.26	+01 28 42.5	8.75	H	260.880 238 82	+01.478 466 93	1.74	−6.41	−16.46	1.03	0.71	1.32	1.32	0.87	−17	−27	+ 8	+ 6	+15	−31	+20	+11	−12	−14	0	0.73
85098	17 23 31.75	+69 46 18.6	8.78	H	260.882 278 89	+69.771 842 80	8.46	16.95	−22.76	0.74	0.86	0.78	0.81	1.02	+ 7

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data										Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
85001	9.374	0.016	7.690	0.008		1.407	0.014	T	1.39	0.02	L	7.6960	0.0014	0.013	111		7.67	7.71		C			1							S
85002	10.609	0.051	9.273	0.027		1.133	0.045	T	1.10	0.05	L	9.2681	0.0028	0.021	73		9.23	9.29					1							
85003	10.567	0.059	10.065	0.063		0.515	0.015	G	0.59	0.02	H	10.1638	0.0038	0.022	63		10.11	10.21		C			1							G
85004	9.491	0.019	9.114	0.020		0.368	0.024	T	0.43	0.03	L	9.1655	0.0030	0.028	101		9.12	9.20					1							
85005	9.776	0.012	8.394	0.007		1.169	0.011	T	1.13	0.01	L	8.4326	0.0013	0.019	235		8.40	8.47					1							
85006	8.645	0.011	7.200	0.007		1.219	0.010	T	1.18	0.01	L	7.2242	0.0012	0.010	81		7.21	7.25		C			1							S
85007	7.497	0.004	6.941	0.004		0.526	0.004	T	0.60	0.00	L	6.9924	0.0007	0.009	180		6.97	7.01		C			1							S
85008	9.370	0.013	7.578	0.006		1.492	0.000	G	1.52	0.00	H	7.5312	0.0010	0.013	150		7.51	7.56					1							S
85009	8.496	0.008	8.417	0.010		0.078	0.012	T	0.09	0.01	L	8.4418	0.0013	0.015	149		8.42	8.47		C			1							S
85010	7.405	0.006	6.877	0.006		0.504	0.006	T	0.58	0.01	L	6.9235	0.0008	0.008	94		6.91	6.94		C			1 G							S
85011	9.932	0.027	9.426	0.026		0.476	0.034	T	0.55	0.04	L	9.4287	0.0023	0.020	92		9.40	9.49		U			1							
85012	9.603	0.021	9.147	0.021		0.430	0.027	T	0.50	0.03	L	9.1939	0.0019	0.015	104		9.16	9.22		C			1							
85013	8.482	0.006	7.288	0.005		1.022	0.006	T	1.00	0.01	L	7.3360	0.0008	0.012	283		7.31	7.36					1							S
85014	10.583	0.032	9.469	0.020		0.960	0.029	T	0.95	0.02	L	9.5285	0.0020	0.023	123		9.49	9.58		C			1							
85015	8.308	0.010	8.036	0.011		0.259	0.014	T	0.29	0.02	L	8.0858	0.0013	0.009	82		8.06	8.10		C			1							
85016	11.188	0.067	9.502	0.027		1.435	0.060	T	1.87	0.20	O	9.4253	0.0025	0.017	93		9.40	9.45					1							
85017	8.840	0.014	7.942	0.011		0.783	0.014	T	0.82	0.01	L	7.9807	0.0014	0.012	71		7.96	8.00					1							
85018	8.397	0.012	8.206	0.014		0.120	0.015	G	0.13	0.01	H	8.2496	0.0015	0.013	75		8.22	8.27		C			1							
85019	7.077	0.005	6.474	0.004		0.541	0.004	G	0.61	0.00	H	6.5389	0.0010	0.007	85		6.53	6.55		C			1 O							S
85020	7.184	0.006	6.438	0.005		0.682	0.006	T	1.00	0.03	C	6.4479	0.0042	0.025	95		6.41	6.49		U 2	17227−3748	I 1	1							S
85021	7.824	0.008	7.601	0.008		0.213	0.011	T	0.24	0.01	L	7.6330	0.0010	0.010	118		7.62	7.65		C			1							S
85022	7.889	0.009	7.750	0.012	*	0.134	0.014	T	0.15	0.01	L *	7.7230	0.0052	0.043	95	*	7.65	7.78		U 2	17227−3812	I 1	2 C	B	AB	228	0.288	0.019	1.48	0.16	S
85023	9.509	0.021	8.123	0.012		1.172	0.019	T	1.13	0.02	L	8.1628	0.0012	0.013	75		8.14	8.18		C			1							
85024	10.489	0.035	9.704	0.028		0.713	0.035	T	0.77	0.03	L	9.7815	0.0023	0.023	108		9.74	9.82					1							
85025	8.974	0.016	8.232	0.014		0.671	0.015	G	0.73	0.01	H	8.2999	0.0013	0.009	65		8.29	8.32					1							S
85026						1.363	0.011	G	1.59	0.02	I	10.9957	0.0066	0.041	65		10.92	11.05					1 S							G
85027	7.897	0.008	7.887	0.008		0.014	0.010	T	0.03	0.01	L	7.8984	0.0013	0.011	117		7.88	7.91		C			1							S
85028	9.859	0.016	8.190	0.008		1.395	0.014	T	1.37	0.02	L	8.1607	0.0010	0.014	128		8.14	8.19		D			1							
85029	10.625	0.050	8.407	0.015		1.831	0.042	T	1.86	0.04	L	8.2400	0.0029	0.018	77		8.21	8.26		R			1 S							
85030	10.340	0.041	8.947	0.023		1.178	0.037	T	1.14	0.03	L	8.9611	0.0020	0.017	95		8.93	8.99					1							
85031	9.488	0.015	8.686	0.012	*	0.726	0.015	T	0.78	0.01	L *	8.7463	0.0013	0.012	111	*	8.72	8.77		C	17228−0344	H 1	2 C	C	AB	311	0.263	0.065	3.22	1.09	
85032	10.627	0.029	8.546	0.010		1.761	0.025	T	2.25	0.06	O	8.3982	0.0022	0.022	165		8.36	8.44		U			1							
85033	10.119	0.045	8.901	0.028	*	1.041	0.041	T	1.01	0.03	L *	8.9363	0.0023	0.018	65	*	8.91	8.99		D	17228−2741	I 1	2 C	A	AB	38	3.498	0.013	1.61	0.06	
85034	9.310	0.021	9.081	0.025		0.218	0.031	T	0.24	0.04	L	9.1347	0.0018	0.015	74		9.11	9.16		C			1							
85035	7.928	0.039	6.839	0.021		0.830	0.020	G	0.94	0.02	A	6.8452	0.0198	0.134	80		6.54	7.03	6.80	P 1 A			1							S
85036	10.451	0.037	8.915	0.018	A						T *	8.8958	0.0017	0.013	92	*	8.87	8.92		D	17228−3739	I 1	2 C	D	AB	73	2.935	0.069	3.60	0.23	D
85037	11.139	0.050	9.267	0.017		1.556	0.042	T	1.57	0.04	L	9.2337	0.0016	0.020	150		9.20	9.28		C			1							
85038	7.030	0.004	6.751	0.005	*	0.248	0.015	G	0.28	0.02	H *	6.8191	0.0012	0.014	152	*	6.80	6.85		D	17228−5828	I 1	2 C	A	AB	283	9.273	0.013	2.78	0.04	S
85039	8.059	0.007	7.607	0.007		0.426	0.009	T	0.49	0.01	L	7.6610	0.0012	0.013	153		7.64	7.68		C			1							S
85040	10.723	0.030	8.933	0.012		1.491	0.026	T	1.51	0.04	L	8.8999	0.0022	0.023	234		8.86	8.94					1 S							
85041	11.192	0.086	9.697	0.038		1.258	0.074	T	1.22	0.08	L	9.7109	0.0024	0.018	53		9.68	9.74		C			1							G
85042	7.127	0.005	6.362	0.004		0.680	0.001	G	0.74	0.00	H	6.4205	0.0006	0.006	104		6.41	6.43		C			1							S
85043	11.150	0.072	9.965	0.041		1.190	0.015	G	1.15	0.01	H	9.9535	0.0024	0.023	67		9.90	9.99		D			1 S							G
85044	8.057	0.011	7.927	0.012		0.075	0.004	G	0.09	0.00	H	7.9642	0.0021	0.012	83		7.94	7.99					1							S
85045	9.355	0.017	8.866	0.017	A	0.734	0.155	G	0.54	0.04	L *	8.6767	0.0023	0.018	104	*	8.65	8.71		D	17229+1628	I 1	2 C	A	AC	208	3.375	0.004	1.18	0.02	D
85046	9.755	0.035	9.204	0.033		0.522	0.036	T	0.59	0.04	L	9.2375	0.0031	0.019	66		9.21	9.28					1							
85047	10.671	0.042	9.736	0.029		0.804	0.020	G	1.13	0.04	A	9.8068	0.0032	0.029	139		9.76	9.86		R			1							
85048	7.306	0.006	6.037	0.004		1.075	0.005	G	1.04	0.00	H	6.0800	0.0009	0.008	97		6.07	6.09		C	17229−3713	I 1	1							S
85049	7.276	0.007	5.986	0.003	A	1.075	0.001	G	1.04	0.00	H *	6.0159	0.0008	0.008	134	*	6.01	6.03		D	17229−5801	I 1	2 C	A	AB	184	1.811	0.014	3.54	0.09	S
85050	9.115	0.013	8.542	0.012		0.536	0.016	T	0.61	0.02	L	8.5953	0.0015	0.017	129		8.57	8.63					1							
85051	8.979	0.014	7.914	0.010		0.923	0.013	T	0.92	0.01	L	7.9596	0.0032	0.022	91		7.92	8.00		U			1							S
85052	8.793	0.011	8.465	0.011		0.311	0.015	T	0.36	0.02	L	8.5229	0.0012	0.013	112		8.50	8.55		C			1							S
85053	9.530	0.020	7.990	0.011		1.293	0.018	T	1.25	0.02	L	7.9822	0.0020	0.011	74		7.97	8.00		C			1							
85054	9.960	0.019	9.254	0.017	*	0.637	0.019	T	0.70	0.02	L *	9.2175	0.0018	0.016	141	*	9.19	9.26		D	17229−8431	I 1	2 C	A	AB	95	0.684	0.003	0.25	0.02	
85055	10.255	0.040	8.363	0.016		1.572	0.034	T	1.59	0.04	L	8.2991	0.0018	0.014	78		8.28	8.33		C			1							
85056	9.380	0.021	8.865	0.020		0.443	0.015	G	0.51	0.02	H	8.9366	0.0019	0.012	68		8.91	8.96		C			1							
85057	9.362	0.014	8.946	0.014		0.393	0.018	T	0.46	0.02	L	9.0232	0.0023	0.026	156		8.99	9.25	1.28	P 1 A			1							P
85058	10.619	0.044	9.808	0.035		0.717	0.043	T	0.77	0.03	L	9.8468	0.0025	0.020	80		9.81	9.88		C			1 S							G
85059						1.690	0.274	G	1.67	0.28	J	11.3102	0.0044	0.039	68		11.20	11.36		C			1							G
85060	9.351	0.018	7.884	0.010		1.238	0.003	G	1.20	0.00	H	7.9051	0.0019	0.012	97		7.89	7.93					1							S
85061						1.380	0.020	G	1.35	0.02	J	10.9606	0.0066	0.044	69		10.88	11.02		C			1 S							G
85062	8.780	0.015	8.799	0.020		−0.013	0.023	T	0.01	0.02	L	8.7955	0.0024	0.020	107		8.77	8.83					1							
85063	9.593	0.019	8.692	0.015		0.801	0.018	T	0.83	0.01	L	8.7485	0.0021	0.019	125		8.72	8.78					1							S
85064	7.758	0.009	7.022	0.009		0.689	0.003	G	0.75	0.00	H	7.0784	0.0009	0.006	65		7.07	7.09		C			1							S
85065	11.096	0.046	9.566	0.020		1.307	0.041	T	3.44	0.07	O	9.0663	0.0144	0.187	153		8.78	9.28		U 2			1 S							
85066	10.564	0.034	9.877	0.030		0.635	0.037	T	0.70	0.03	L	9.9751	0.0028	0.033	137		9.91	10.03					1							
85067	8.116	0.008	7.947	0.008		0.154	0.011	T	0.17	0.01	L	7.9769	0.0014	0.015	151		7.95	8.01					1							S
85068	7.026	0.006	5.879	0.003		0.994	0.001	G	0.97	0.00	H	5.9287	0.0010	0.007	93		5.92	5.94					1							S
85069	8.022	0.009	7.956	0.014	*	0.066	0.016	T	0.08	0.02	L *	8.0854	0.0017	0.016	128	*	8.05	8.11		D	17231−6144	I 1	2 C	A	AB	58	2.872	0.012	2.53	0.06	S
85070	10.226	0.033	9.808	0.034		0.395	0.044	T	0.46	0.05	L	9.9268	0.0035	0.020	83		9.89	9.97		C			1							
85071	7.468	0.006	7.312	0.008		0.150	0.009	T	0.17	0.01	L	7.3281	0.0013	0.009	75		7.31	7.35		C			1							S
85072	11.533	0.145	10.632	0.109	*	0.658	0.126	G	0.72	0.11	R *	10.6637	0.0096	0.053	61	*	10.60	10.73		D	17232−5101	H 1	2 C	A	AB	159	0.332	0.014	0.39	0.19	G
85073	9.601	0.017	8.389	0.011		1.036	0.016	T	1.01	0.01	L	8.4492	0.0017	0.014	126		8.43	8.47					1							
85074	9.583	0.018	8.944	0.016		0.594	0.021	T	0.66	0.02	L	8.9957	0.0019	0.016	108		8.97	9.03		C			1							
85075	8.604	0.011	8.514	0.014		0.088	0.017	T	0.10	0.02	L	8.5275	0.0018	0.018	88		8.50	8.55					1							
85076	9.088	0.013	7.340	0.006		1.486	0.012	T	3.09	0.03	O	6.9297	0.0091	0.070	106		6.83	7.05		U 2			1 S							S
85077	10.031	0.026	8.649	0.014		1.169	0.023	T	1.13	0.02	L	8.6509	0.0017	0.015	102		8.62	8.68					1							
85078	11.269	0.094	10.333	0.068		0.674	0.015	G	0.73	0.01	H	10.3007	0.0047	0.028	59		10.22	10.34					1							G
85079	5.093	0.004	5.232	0.004		−0.097	0.005	G	0.01	0.02	A	5.2107	0.0022	0.016	84		5.18	5.24		U 2	17233−4728	I 1	1							S
85080	8.539	0.012	8.082	0.012	*	0.431	0.016	T	0.50	0.02	L *	8.1274	0.0014	0.010	74	*	8.10	8.15		D	17233−1927	H 1	2 C	A	AB	325	0.497	0.011	2.73	0.05	S
85081	10.415	0.038	9.473	0.029		0.820	0.015	G	0.86	0.01	H	9.5639	0.0020	0.018	69		9.53	9.59		C			1 G							G
85082	9.948	0.031	8.475	0.017		1.241	0.028	T	1.20	0.03	L	8.5115	0.0019	0.011	67		8.49	8.53		C			1							
85083	7.375	0.007	7.214	0.008		0.155	0.010	T	0.17	0.01	L	7.2426	0.0012	0.011	98		7.22	7.26					1							S
85084	7.330	0.008	5.482	0.004		1.549	0.006	G	1.57	0.01	M	5.4240	0.0011	0.009	72		5.41	5.44					1							S
85085	9.377	0.017	8.999	0.018		0.358	0.023	T	0.42	0.03	L	9.0276	0.0021	0.015	85		9.00	9.06		C			1							
85086	6.872	0.005	6.564	0.005		0.293	0.007	T	0.33	0.01	L	6.6081	0.0009	0.008	104		6.59	6.62					1							S
85087	11.740	0.108	10.002	0.039		1.478	0.095	T	1.87	0.25	K	9.8436	0.0027	0.034	80		9.79	9.90		U 2			1							
85088	10.475	0.045	9.848	0.042		0.587	0.020	G	0.66	0.02	H	9.9134	0.0024	0.020	81		9.87	9.95		C			1							G
85089	11.271	0.073	9.859	0.034		1.193	0.063	T	1.15	0.06	L	9.9780	0.0028	0.023	102		9.93	10.02					1							
85090	8.500	0.011	7.848	0.009		0.605	0.012	T	0.67	0.01	L	7.9142	0.0012	0.012	121		7.90	7.94					1							S
85091	10.633	0.035	8.931	0.015		1.421	0.030	T	1.41	0.05	L	8.9609	0.0024	0.020	106		8.92	9.00					1							
85092	10.828	0.059	10.041	0.049		0.651	0.020	G	0.71	0.02	H	10.2081	0.0057	0.035	73		10.16	10.25					1							G
85093	9.525	0.011	8.834	0.010		0.638	0.012	T	0.70	0.01	L	8.8947	0.0021	0.022	210		8.85	8.93					1							
85094	8.529	0.012	8.388	0.014		0.136	0.017	T	0.15	0.02	L	8.3963	0.0012	0.013	102		8.37	8.42					1							
85095	8.880	0.013	8.925	0.018		−0.036	0.020	T	−0.01	0.02	L	8.8830	0.0035	0.083	166		8.84	9.75	2.31	P 1 A			1							S
85096	7.747	0.005	7.643	0.008	A	0.200	0.495	G	0.08	0.01	L *	7.6452	0.0012	0.013	117	*	7.63	7.67		D	17235+1654	I 1	2 C	A	AB	133	1.192	0.016	2.78	0.05	S
85097	8.971	0.014	8.773	0.016		0.189	0.020	T	0.21	0.02	L	8.8161	0.0021	0.020	98		8.78	8.85					1							
85098	9.519	0.016	8.839	0.014		0.629	0.018	T	0.70	0.02	L	8.9166	0.0018	0.017	102		8.89	8.95		C			1							
85099	12.558	0.161	11.041	0.065		1.296	0.143	T	1.77	0.21	K	11.0176	0.0031	0.045	236		10.93	11.09		U			1 X S							G
85100	8.233	0.014	7.810	0.015		0.389	0.013	G	0.45	0.01	H	7.8495	0.0016	0.010	72		7.83	7.87		C			1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)																						Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$											F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr																						%	
1 2	3	4	5 6 7		8	9 10		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28												29	30
*85101	17 23 33.25	−59 21 14.5	8.72	H	260.888 549 10	−59.354 040 98		12.12	69.09	26.92	0.88	0.73	1.07	1.08	0.79	−11	−	2	+17	−23	−20	−	5	−16	−35	−16	−23											0	0.29
*85102	17 23 33.22	−47 19 18.6	8.49	H	260.888 432 74	−47.321 830 29		1.22	−6.77	−11.45	1.12	0.66	1.19	1.37	0.65	−23	−26	+18	+26	−12	−	9	−10	+18	+	7	−	8											0	0.21
85103	17 23 34.55	+76 03 18.4	7.22	H	260.893 972 14	+76.055 116 55		2.79	−13.12	−27.34	0.48	0.41	0.52	0.46	0.53	+10	−25	+	1	−	8	+	4	+	0	+	9	+	7	−10	+	3							0	−0.06
85104	17 23 36.08	+48 08 00.2	9.58	H	260.900 339 39	+48.133 396 12		15.88	−52.01	298.59	0.88	0.93	1.01	0.99	1.22	+10	−11	−	9	−	5	+	8	−18	+	7	−13	+	8	+18							0	−2.31
85105	17 23 36.21	−16 02 17.8	6.65	H	260.900 895 16	−16.038 285 34		12.72	19.86	−11.22	0.84	0.59	0.89	1.15	0.67	−27	−17	−	8	+23	−25	+	9	−20	+62	−	7	−36											4	−0.32
85106	17 23 36.68	+42 55 41.5	8.25	H	260.902 818 45	+42.928 181 56	+	11.58	−17.38	65.97	1.09	1.28	0.78	1.93	1.23	−63	−18	+	0	−78	+75	+	5	+40	−64	+	8	−43											0	0.76
85107	17 23 36.76	+53 20 57.6	8.16	H	260.903 156 90	+53.349 338 32		3.86	−10.04	−16.15	0.65	0.72	0.71	0.73	0.90	+16	−20	−	1	+29	+14	+	2	+17	+21	−13	+13											0	−1.32
85108	17 23 37.72	+60 59 54.5	7.15	H	260.907 158 96	+60.998 477 46		5.02	−13.50	28.08	0.50	0.51	0.56	0.50	0.56	+	3	−24	+	0	−	2	−	3	−	3	+	1	+	7	−13	−	1						1	2.09
85109 H	17 23 37.92	+13 23 51.4	7.40	H	260.907 989 14	+13.397 604 14	A	4.51	12.81	−35.70	1.07	0.96	1.18	0.99	0.97	+43	−25	−16	+50	+54	−	7	+56	+54	−14	+46											1	−0.09
85110	17 23 38.40	+21 33 55.3	9.51	H	260.909 986 71	+21.565 366 16		3.11	6.44	3.83	0.74	0.96	1.41	1.09	1.24	−19	−	1	−	8	+32	+21	−	7	+17	+26	+20	+	9									0	−1.44
85111	17 23 40.17	+26 27 49.6	10.32	H	260.917 361 99	+26.463 776 21		2.20	−15.76	5.87	1.00	1.36	1.80	1.20	1.77	+	1	−14	−16	−10	+	2	−18	−	2	+	4	−	4	+	7							0	0.00
85112 H	17 23 40.97	+37 08 45.3	4.15	H	260.920 720 33	+37.145 923 96	A	8.12	−38.58	9.19	0.51	0.62	0.61	0.48	0.76	+	2	+	3	−	6	−10	+	9	+	2	+14	−11	+	8	−	6					2	−0.16
85113	17 23 41.62	−62 50 33.7	8.19	H	260.923 421 93	−62.842 693 67		1.15	0.42	−7.44	0.71	0.70	0.98	0.76	0.74	−	6	−12	−	1	−28	−15	+	5	−13	−24	−	9	−	3							0	0.60
85114	17 23 43.33	−40 12 33.0	8.77	H	260.930 531 96	−40.209 179 47		8.90	−37.75	−38.90	1.39	0.57	1.38	1.50	0.54	−	6	−36	+	1	+40	−	3	−	3	−	6	+	3	+	5	−12						2	0.37
85115	17 23 43.33	+18 55 41.3	11.21	H	260.930 559 82	+18.928 127 27		9.60	−51.36	−109.36	1.73	1.84	2.72	2.53	2.51	+16	−	1	−10	−14	+18	−10	+	9	+37	−	9	+32											0	2.34
*85116	17 23 44.35	−58 39 54.8	6.81	H	260.934 778 91	−58.665 212 83		2.06	0.05	−8.80	0.62	0.53	0.81	0.74	0.58	−24	+	2	−	4	−	6	−24	+15	−23	−25	−	5	−35											0	0.19
*85117	17 23 44.34	−36 29 11.0	9.57	H	260.934 754 07	−36.486 400 98		3.49	−4.83	−15.01	1.84	1.06	1.91	2.16	1.09	−14	−36	−	5	+36	−21	−10	−16	+47	−	3	−26											0	−0.75
85118 H	17 23 44.61	+47 16 14.3	7.92	H	260.935 875 28	+47.270 625 92	A	12.48	−18.10	33.63	0.94	1.12	1.03	1.13	1.45	−	5	−	7	+10	−	1	+	7	+	0	+	5	+	1	+15	+21						0	−0.35
85119	17 23 45.95	−61 21 44.9	9.22	H	260.941 461 44	−61.362 477 83		1.42	−10.25	−23.03	0.98	0.89	1.48	1.15	1.01	+	1	−28	−21	−15	−19	+18	−15	−16	+	0	−14											1	1.26
85120	17 23 47.35	−58 34 12.4	11.60	G	260.947 283 48	−58.570 107 73		3.39	20.75	−10.70	2.27	1.93	3.07	2.58	2.06	−17	−12	+	1	−18	−21	+17	−22	−35	+	7	−22											0	0.19
85121 H	17 23 48.27	−21 38 27.4	8.98	G	260.951 139 52	−21.640 955 01	*	1.96	−2.11	7.82	1.45	1.04	1.46	1.94	1.09	−41	−	3	−	9	+34	−55	+	6	−46	+73	−26	−44										0	0.94
85122	17 23 48.55	+04 50 20.0	8.68	H	260.952 284 67	+04.838 896 32		19.58	−142.66	−178.41	0.89	0.65	1.07	1.01	0.74	+11	−27	−	2	+36	+24	+11	+27	+32	−16	+10											2	−1.30
85123	17 23 48.81	+47 01 16.7	8.43	H	260.953 381 89	+47.021 310 77		4.40	34.80	18.18	0.74	0.74	0.82	0.97	1.07	−	1	+	1	+	6	−15	−	1	−	2	−	2	−10	+	1	+	2					0	0.37
*85124 H	17 23 49.04	+21 55 09.4	8.37	G	260.954 325 26	+21.919 282 61	A	6.09	1.44	28.73	1.20	1.43	1.89	1.49	1.50	−17	−	4	−21	+	9	+25	−26	+18	+18	−	4	+	4										0	0.49
*85125	17 23 49.01	+63 45 44.6	9.22	2 H	260.954 210 02	+63.762 401 04		1.28	13.91	−6.70	0.78	0.77	0.81	0.90	1.01	+	7	−13	+	2	+18	+	4	+10	+	5	+	3	+	1	+14						0	−0.03
85126	17 23 49.34	−32 15 10.9	11.64	G	260.955 599 28	−32.253 020 66		42.50	−169.15	−615.79	3.65	2.15	4.11	3.77	2.22	−16	−43	−22	+14	−39	+13	−21	+41	−22	−35											3	1.26
85127	17 23 49.91	−50 25 46.4	8.18	H	260.957 970 36	−50.429 563 02		3.26	−0.69	−23.60	1.14	0.76	1.27	1.30	0.74	−18	−24	+	9	+27	+	8	−	3	+	6	+	5	+	5	−13						0	1.81
85128	17 23 52.97	−72 11 05.7	11.10	2 H	260.970 706 98	−72.184 915 69		5.32	12.65	−8.65	1.93	3.14	3.99	1.95	3.88	+20	−	8	−11	+21	+	3	−12	+	3	+	5	−	4	+30							2	0.89
85129	17 23 53.02	+13 05 57.5	8.03	H	260.970 910 28	+13.099 308 15		24.64	−32.90	85.05	0.90	0.76	0.99	0.88	0.84	+43	−23	−10	+53	+48	+14	+54	+58	−15	+41											0	−0.32
85130	17 23 53.73	−63 10 06.1	8.31	H	260.973 883 24	−63.168 372 34		1.78	2.14	−6.27	0.79	0.80	1.20	0.83	0.84	+	5	+	0	−19	−28	−14	+	9	−13	−27	−	2	−	5							0	−1.01
85131	17 23 53.78	−60 56 39.3	8.74	H	260.974 077 97	−60.944 261 43		10.06	11.68	−135.76	0.79	0.71	1.22	0.99	0.85	+	8	−17	−11	−18	−15	+17	−13	−	5	+	3	−	1									0	0.74
85132	17 23 53.99	−29 49 15.8	7.59	H	260.974 964 48	−29.821 066 11		12.56	−12.88	−37.89	1.08	0.63	1.13	1.28	0.71	−26	−40	−12	+12	−	8	−12	−20	+40	+	7	−36											2	1.81
85133 H	17 23 54.59	+36 27 27.9	8.64	G	260.977 476 26	+36.457 740 20	A	3.36	−8.17	4.41	1.95	2.31	2.17	1.76	2.58	+25	−13	+	3	+12	+	5	−12	+	1	+	1	+25	+20							1	−1.42
85134	17 23 56.28	+54 21 53.6	8.91	H	260.984 515 15	+54.364 891 97		3.56	4.58	−2.16	0.75	0.77	0.80	0.78	0.97	+	4	+14	+	6	−12	+16	−	5	+20	+	6	+	5	+	2						0	−1.38
85135	17 23 57.04	+23 31 24.6	9.53	H	260.987 659 35	+23.523 507 64		1.84	−3.22	−8.32	1.29	1.87	2.69	1.55	2.76	+10	−	6	−	7	−34	+12	+	5	+17	−	2	+	5	+	5		0						
*85136 H	17 23 57.37	−00 50 06.8	8.41	G	260.989 021 58	−00.835 220 95	A	7.86	−44.96	3.86	2.93	1.95	2.96	2.88	1.71	+50	−	2	+	8	+	2	+32	+	9	+23	+	1	+14	+13		0	1.06					
*85137	17 23 57.34	+37 16 51.7	8.89	G	260.988 932 15	+37.281 014 84		25.66	−15.61	−335.17	0.74	0.86	0.96	0.78	1.15	+	8	−	1	−	6	−10	+	6	−	7	+	7	−10	+	5	−	2					0	−0.09
*85138	17 23 57.63	−65 42 07.6	6.64	H	260.990 105 50	−65.702 103 57		2.66	−1.19	−12.72	0.43	0.47	0.75	0.54	0.61	+21	−10	−	5	+15	−23	+	5	−22	+25	−	8	+15		1	0.67							
*85139	17 23 57.61	+08 51 09.3	5.77	H	260.990 057 23	+08.852 587 33		3.03	4.22	−6.91	0.74	0.51	0.79	0.71	0.56	+25	−39	+	2	+46	+47	−	4	+50	+39	−12	+35		0	−0.42							
85140	17 23 57.83	+55 16 45.3	8.13	H	260.990 977 91	+55.279 254 99		1.92	−15.26	−18.36	0.63	0.70	0.71	0.68	0.80	+	1	+17	+12	+	7	+11	−	4	+12	+	1	+	3	−	5		2	−0.08					
85141	17 23 57.87	−09 21 29.7	7.84	H	260.991 145 82	−09.358 259 47		15.51	−16.53	−3.92	1.00	0.65	1.17	1.23	0.71	−14	−23	−	2	−	2	−22	+	7	−17	+54	−16	−24		0	−0.20							
85142	17 23 58.15	−55 34 11.1	8.62	H	260.992 274 10	−55.569 742 28		0.86	−83.19	10.44	0.85	0.80	1.19	1.05	0.88	−45	+	2	−13	−26	+20	+	7	+23	−36	+	5	−22		0	0.05							
85143	17 23 58.26	+08 36 16.8	7.22	H	260.992 740 00	+08.604 680 07		2.76	−14.43	−40.41	0.99	0.64	0.98	1.76	1.41	+24	−42	−	4	+56	+38	−	5	+61	+35	−23	+77		0	0.86							
85144	17 23 59.80	+60 43 35.1	8.70	G	260.999 166 45	+60.726 419 51		2.22	−10.65	−8.51	0.61	0.68	0.68	0.72	0.87	+16	−14	−	6	+	1	−	1	+	2	+	1	+	4	−14	+19		1	−0.60					
85145	17 24 00.03	−56 32 45.9	9.38	H	261.000 124 72	−56.546 074 26		10.70	−51.07	−18.89	1.04	0.93	1.39	1.30	1.09	−28	−	9	−	7	−10	+	9	+19	+11	−	9	−	7	−17		0	1.48							
85146	17 24 00.10	+18 51 03.2	7.63	H	261.000 403 97	+18.850 890 30		6.69	−3.32	−5.14	0.62	0.62	0.96	0.93	0.85	+	7	−19	−16	−17	+11	−	3	+	4	+29	−	8	+22		0	1.14							
85147	17 24 01.08	−62 51 50.9	5.69	H	261.004 484 29	−62.864 131 65		1.99	0.66	−8.95	0.47	0.44	0.64	0.49	0.46	−10	−18	−	9	−15	−13	+13	−	9	−	6	−15	−15		0	0.55							
*85148	17 24 02.28	−29 20 28.0	11.19	H	261.009 508 75	−29.341 123 55		−0.51	11.24	−2.34	4.07	2.44	4.59	5.47	2.59	−11	−20	−31	+20	−21	−	1	−16	+44	−11	−26			0	1.29							
*85149 H	17 24 02.26	+38 34 57.7	6.48	G	261.009 428 44	+38.582 695 51	*	6.04	−12.32	35.78	0.48	0.56	0.63	0.57	0.71	+	7	−	4	−10	+12	+10	−25	+10	−18	+	9	+	9		0	1.70							
85150	17 24 02.69	+25 34 23.2	10.71	H	261.011 227 38	+25.573 123 32		4.56	6.34	−4.76	1.11	1.66	2.23	1.38	2.14	+12	+	5	−24	+	1	+18	−20	+14	+10	+	8	+27			2	2.82							
85151 H	17 24 02.80	−11 42 06.9	8.06	H	261.011 648 33	−11.701 918 65	A	0.44	−6.86	−5.54	2.55	1.52	2.39	2.61	1.41	−	9	−38	+19	+	2	+23	+10	+17	+39	+	1	−	7		7	1.88							
85152	17 24 02.93	−26 13 21.2	8.94	H	261.012 226 04	−26.222 544 88		1.64	−14.59	6.78	1.28	0.75	1.38	1.66	0.81	+	7	−	7	−10	−18	−21	−23	−	9	+25	+	1	−24		0	0.81							
85153	17 24 03.36	+03 04 03.4	9.02	H	261.014 015 49	+03.067 610 80	A	3.92	5.11	−14.28	2.57	1.82	2.80	2.81	1.99	+19	−32	−	7	+38	+43	−26	+47	+32	−31	+32			3	0.86							
85154	17 24 03.51	−23 50 39.5	6.67	H	261.014 615 43	−23.844 302 70		6.19	1.05	−15.42	0.89	0.64	0.90	1.15	0.67	−38	−15	−20	+34	−39	+17	−32	+64	−17	−46			0	2.09							
85155	17 24 04.62	+08 09 27.7	8.58	H	261.019 269 95	+08.157 686 53		2.47	−14.14	−11.34	1.01	0.70	1.11	1.02	0.75	+15	−36	+	8	+39	+43	+	0	+48	+28	−19	+33			0	0.92							
85156	17 24 05.50	−43 16 22.5	10.14	H	261.022 896 32	−43.272 917 42		3.77	3.85	9.20	1.67	0.80	1.82	1.82	0.74	+	4	−32	−18	+25	−	3	+	8	−	5	−	6	+13	+	1		0	0.31					
85157	17 24 06.61	+22 57 37.3	5.70	H	261.027 561 59	+22.960 374 66		23.37	−43.53	−36.77	0.40	0.52	0.75	0.60	0.77	+	1	−	8	−22	−10	+38	−	4	+37	+	2	+18	−	5		1	−2.25					
85158	17 24 08.74	−34 47 52.8	6.92	H	261.036 431 97	−34.798 003 29		30.46	−0.05	−182.99	0.84	0.56	0.91	0.98	0.60	−18	−24	−13	+30	−21	−12	−19	+46	−	4	−31			0	0.93							
85159 H	17 24 11.08	−43 48 17.9	8.11	1 H	261.046 184 87	−43.804 967 17	A	2.48	−2.14	−13.21	1.35	0.73	1.35	1.25	0.64	+11	−43	−19	+28	−	1	−	8	−	9	+	8	+	8	−	7		1	0.84					
85160	17 24 11.13	+36 55 22.2	7.20	H	261.046 385 40	+36.922 822 09		5.41	−9.81	14.68	0.51	0.61	0.68	0.50	0.73	+	3	+	8	−13	−	8	+14	−16	+15	−19	+11	−	1		0	−0.55							
85161	17 24 12.37	+17 26 58.5	9.01	H	261.051 542 91	+17.449 578 31		0.74	1.08	−6.15	0.77	0.86	1.25	0.90	1.01	−	4	−	7	−15	+	5	+21	+25	+18	+34	+	8	+23		3	−0.69							
85162	17 24 13.09	−44 09 45.0	5.10	H	261.054 552 56	−44.162 501 70		4.31	−6.87	−30.41	0.71	0.39	0.75	0.72	0.37	−	7	−40	−	4	+10	−17	−	2	−13	−	3	−	1	−	9		4	0.75							
85163	17 24 13.31	+58 41 55.2	9.00	H	261.055 445 57	+58.698 669 66		8.01	−9.23	2.32	0.81	0.79	0.84	0.93	0.95	+13	+16	−	2	−	2	+	7	+13	+	7	+	9	−	2	+15		0	−0.38							
85164	17 24 13.93	−57 00 27.3	8.44	H	261.058 052 96	−57.007 577 20		3.82	−55.30	−54.46	0.88	0.79	1.20	1.09	0.89	−25	−	8	+	1	−	7	+	4	+15	+	5	−13	−	4	−10		0	−0.18							
85165	17 24 15.90	−05 19 31.5	8.50	G	261.066 236 59	−05.325 426 79		12.32	15.87	−8.55	1.02	0.70	1.10	1.30	0.78	−	8	−27	−13	+32	−11	+22	−	2	+60	−13	−32			2	1.59							
85166	17 24 16.37	+57 47 30.2	8.44	H	261.068 193 18	+57.791 711 23		1.75	6.11	−14.54	0.77	0.69	0.75	0.92	0.79	+	6	+13	+	2	−13	+12	−	6	+11	−11	+	0	+19		0	−0.03							
85167	17 24 17.29	−40 45 11.0	10.14	H	261.072 031 29	−40.753 047 57		4.19	10.24	−0.41	1.75	0.76	1.78	2.01	0.71	+12	−32	−	3	+34	+	1	+10	−	3	−	6	+11	+	9		4	0.28							
85168	17 24 18.36	−43 59 38.9	8.33	H	261.076 497 12	−43.994 149 13		2.76	−0.60	−9.84	1.01	0.51	1.07	0.97	0.48	−	3	−43	−	9	+14	−13	+	5	+14	+	7	−13		0	1.33							
85169	17 24 18.80	−60 40 25.6	5.76	H	261.078 317 12	−60.673 769 20		4.62	0.52	−12.29	0.53	0.45	0.74	0.68	0.56	+12	−	5	+10	−32	−27	+	4	−24	−19	−17	+	2		0	−1.04							
85170	17 24 19.64	+72 56 08.7	7.84	H	261.081 831 06	+72.935 745 84		3.22	4.65	10.50	0.59	0.53	0.57	0.70	0.66	+12	−10	−	4	−19	−	1	+	1	−	4	+	6	−	1	+27		2	−1.39						
85171	17 24 19.71	−29 52 13.4	7.63	H	261.082 110 65	−29.870 394 19		3.88	−9.71	−12.37	1.02	0.59	1.18	1.14	0.65	−11	−47	−21	+19	−11	−30	−14	+30	+	8	+44			0	2.47							
85172	17 24 20.81	+18 12 20.2	9.02	H	261.086 700 30	+18.205 624 18		3.40	0.56	−22.70	0.91	0.99	1.35	1.10	1.18	+	0	−	9	−25	+	9	+19	+17	+17	+34	+13	+22		0	0.94							
85173	17 24 21.94	−61 38 01.1	8.94	H	261.091 396 72	−61.633 649 64		3.85	−1.66	−11.26	0.75	0.68	1.18	0.87	0.79	+	2	−19	−12	−22	−15	+30	−11	−10	−	6	−	9		0	1.14							
85174	17 24 23.31	−28 39 11.8	8.09	H	261.097 106 11	−28.653 267 79		0.42	1.20	−6.21	0.99	0.60	1.11	1.14	0.63	−21	−29	−	7	+	6	−21	−17	−14	+41	−11	−31			0	0.66							
*85175	17 24 24.00	+49 31 28.0	8.09	1 G	261.100 014 82	+49.524 436 72	A	3.87	−20.43	41.99	0.98	1.12	1.03	1.02	1.25	+	3	−15	−	6	+25	+15	+	7	+15	+	3	−	6	−	2		1	2.41						
*85176	17 24 23.86	−22 48 03.1	8.65	H	261.099 433 47	−22.800 868 70	A	14.95	27.35	−4.77	2.28	1.56	2.26	2.48	1.50	−23	−22	−14	+17	−43	−	3	−22	+66	−33	−44				1	1.31							
85177	17 24 25.36	+06 31 11.2	7.88	H	261.105 662 43	+06.519 787 97		5.70	−49.76	−5.15	0.87	0.63	1.15	0.98	0.73	−	1	−33	+	7	+17	+10	−15	+18	+24	−27	+	9		0	−0.67							
85178	17 24 25.71	−52 10 25.0	8.94	H	261.107 123 49	−52.173 598 49		10.38	−36.05	−0.33	1.18	0.92	1.49	1.49	0.96	−	2	−16	−	5	−12	+26	−26	+24	−17	−16	+	4		0	−0.35							
85179	17 24 26.07	+50 25 31.0	7.62	H	261.108 624 29	+50.425 280 78		11.44	−17.40	−60.25	0.53	0.62	0.61	0.54	0.70	+	1	−13	+	0	+16	+18	−	3	+20	+	4	−	3	+	5		0	0.94							
85180	17 24 26.77	−60 24 48.6	7.87	H	261.111 529 11	−60.413 510 20		5.41	−0.57	−30.62	0.66	0.60	0.94	0.81	0.69	+12	+	4	+17	−34	−22	−	3	−20	−34	−26	+	0		0	0.83							
85181	17 24 27.13	+36 57 06.6	6.25	H	261.113 056 13	+36.951 820 70		4.77	−25.17	44.63	0.44	0.51	0.59	0.46	0.66	+	5	+	9	−14	−	8	+11	−17	+12	−12	+13	−	5		0	0.25							
85182	17 24 27.35	−50 50 21.4	8.44	H	261.113 965 39	−50.839 274 62		3.63	0.60	5.75	1.37	0.88	1.46	1.67	0.91	−12	−18	−	5	+40	+14	+	6	+13	+12	+	8	+	2		0	0.26							
85183	17 24 28.10	+18 00 23.7	10.39	H	261.117 096 03	+18.006 593 08		3.35	10.19	1.85	1.19	1.40	1.93	1.41	1.56	−	7	+	0	−33	+10	+14	+15	+18	+23	+	4	+	8		0	−0.42							
85184	17 24 29.19	−76 11 06.5	9.40	H	261.121 633 96	−76.185 132 86		12.76	−30.63	−123.76	0.72	1.02	1.19	0.85	1.18	+	7	−	2	+12	+	1	−26	−26	−26	−	9	−	4	−11		0	0.48							
85185	17 24 31.53	+16 18 03.9	5.75	H	261.131 373 04	+16.301 076 39		7.55	12.58	−28.83	0.54	0.49	0.71	0.46	0.50	+13	−32	−26	+	5	+33	−	5	+36	+15	−	7	+18		0	−0.34							
85186	17 24 33.27	+37 19 35.5	10.62	H	261.138 607 00	+37.326 515 90		16.21	−167.00	−0.72	1.17	1.45	1.57	1.17	1.91	+	8	−	8	+	1	−12	+	7	−	4	+	9	−14	+13	+	8		0	0.37						
85187 H	17 24 33.80	+15 36 21.7	6.34	H	261.140 815 07	+15.606 021 65	A	6.70	6.94	10.98	0.78	0.68	0.86	0.66	0.64	+20	−16	+	1	+36	+36	+13	+35	+35	+13	+27			3	−0.03							
85188	17 24 34.70	−39 31 46.7	8.84	H	261.144 595 74	−39.529 644 33		2.26	9.69	2.64	1.32	0.50	1.44	1.22	0.47	+	3	−60	−	3	+17	−	4	−	3	−10	−	4	+	9	−	8	0	−1.00						
85189	17 24 34.82	−26 55 29.0	9.07	2 G	261.145 081 20	−26.924 727 74		0.56	−2.34	2.57	1.29	0.90	1.38	1.69	0.98	−10	−26	−26	+26	−33	−	9	−20	+63	−12	−41			0	1.11							
85190	17 24 35.62	+44 17 39.9	8.61	H	261.148 431 65	+44.294 416 92		6.92	−3.40	−22.55	0.64	0.72	0.77	0.65	0.90	+16	−12	−31	−	3	−	6	−	1	+	8	−14	−	1	+12		0	−0.35

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
85101	9.343	0.016	8.802	0.015		0.507	0.020	T	0.58	0.02	L	8.8333	0.0015	0.018	128		8.81	8.86		C			1							
85102	9.574	0.031	8.614	0.023		0.844	0.029	T	0.86	0.02	L	8.6454	0.0019	0.016	82		8.62	8.68		C			1							
85103	9.089	0.013	7.366	0.006		1.438	0.011	T	1.43	0.02	L	7.3565	0.0010	0.010	115		7.34	7.37		C			1							S
85104	10.586	0.044	9.670	0.032		0.797	0.042	T	0.83	0.03	L	9.7197	0.0032	0.024	86		9.69	9.76		C			1							
85105	7.162	0.007	6.706	0.006		0.430	0.008	T	0.50	0.01	L	6.7442	0.0007	0.007	70		6.74	6.76					1							S
85106	8.880	0.012	8.316	0.011		0.528	0.014	T	0.60	0.01	L	8.3635	0.0014	0.013	105		8.34	8.38		C			1 O							
85107	9.641	0.022	8.287	0.013		1.147	0.020	T	1.11	0.02	L	8.3302	0.0014	0.015	97		8.31	8.36					1							
85108	8.753	0.011	7.276	0.006		1.244	0.010	T	1.20	0.01	L	7.3131	0.0011	0.012	112		7.30	7.33					1							S
85109	9.189	0.017	7.607	0.009	A	1.200	0.495	G	1.24	0.02	L *	7.5612	0.0014	0.011	89	*	7.54	7.58			17236+1324	I 1	2 C	A	AB	204	2.001	0.010	2.76	0.04	S
85110	10.000	0.017	9.565	0.018		0.411	0.023	T	0.48	0.03	L	9.5976	0.0023	0.029	199		9.55	9.65					1							
85111	11.430	0.064	10.397	0.039		0.899	0.056	T	0.90	0.04	L	10.4848	0.0038	0.039	150		10.42	10.56					1							G
85112	4.090	0.004	4.107	0.004	*	−0.011	0.005	T	0.01	0.01	L *	4.1529	0.0006	0.006	131	*	4.14	4.16		D	17236+3708	I 1	2 C	A	AB	318	4.066	0.002	0.94	0.01	S
85113	8.123	0.012	8.182	0.016		−0.050	0.017	T	−0.03	0.02	L	8.1832	0.0014	0.014	120		8.16	8.21		C			1							
85114	9.893	0.023	8.888	0.016		0.866	0.022	T	0.88	0.02	L	8.9107	0.0017	0.017	104		8.89	8.95					1							
85115	11.813	0.104	11.241	0.110		0.538	0.112	T	0.61	0.12	L	11.3161	0.0052	0.055	115		11.19	11.40					1							G
85116	6.685	0.003	6.788	0.005		−0.089	0.005	T	−0.07	0.01	L	6.7875	0.0008	0.009	156		6.77	6.81		C			1							S
85117	11.729	0.117	9.744	0.032		1.645	0.097	T	1.67	0.10	L	9.6845	0.0037	0.028	91		9.63	9.77					1							G
85118	8.565	0.011	7.929	0.010	*	0.563	0.015	G	0.64	0.01	H *	8.0379	0.0023	0.022	115	*	8.01	8.10		D	17237+4716	I 1	2 C	A	AB	13	9.274	0.007	1.72	0.03	S
85119	10.971	0.047	9.357	0.020		1.352	0.040	T	1.32	0.05	L	9.3729	0.0027	0.019	128		9.33	9.40		C			1							
85120						1.150	0.020	G	1.11	0.02	H	11.7640	0.0070	0.064	138		11.64	11.87					1 S							G
85121	11.077	0.064	9.126	0.021	*						T *	8.9935	0.0025	0.015	68	*	8.96	9.02		C	17238−2138	H 1	2 C S C	AB	205	0.142	0.050	2.06	1.03	
85122	9.643	0.019	8.722	0.014		0.801	0.018	T	0.83	0.01	L	8.8202	0.0016	0.015	96		8.79	8.84		C	17238+0450	I 1	1							
85123	9.837	0.019	8.554	0.012		1.120	0.015	G	1.08	0.02	H	8.5946	0.0018	0.015	104		8.57	8.62		C			1							
85124	8.919	0.010	8.497	0.010	*	0.430	0.015	G	0.50	0.02	H *	8.4542	0.0020	0.018	170	*	8.42	8.49		D	17238+2155	I 1	2 C	A	AB	264	0.807	0.003	1.08	0.02	S
85125	11.421	0.081	9.449	0.026		1.671	0.070	T	2.38	0.13	O	9.2634	0.0115	0.085	99		9.14	9.45		U 2			1							
85126						1.470	0.010	G	2.10	0.02	A	11.7202	0.0116	0.053	59		11.59	11.80					1							G
85127	9.609	0.025	8.321	0.015		1.096	0.023	T	1.06	0.02	L	8.3488	0.0018	0.011	73		8.32	8.37		C			1							
85128											T	11.2495	0.0070	0.073	154		11.09	11.37		U	17239−7211	I 1	1							G
85129	8.925	0.014	8.115	0.012		0.687	0.044	G	0.74	0.04	H	8.1697	0.0026	0.021	88		8.14	8.20		U			1							S
85130	9.559	0.023	8.431	0.015		0.971	0.021	T	0.96	0.02	L	8.4751	0.0021	0.015	103		8.45	8.50		C			1 S							
85131	9.403	0.014	8.802	0.013		0.560	0.014	T	0.63	0.01	L	8.8639	0.0018	0.019	136		8.83	8.89		C			1							
85132	8.764	0.016	7.689	0.011		0.920	0.015	G	0.92	0.01	H	7.7468	0.0009	0.009	75		7.73	7.76					1 G							
85133	9.309	0.017	9.178	0.020	A	0.161	0.150	G	0.24	0.10	L *	8.7827	0.0017	0.017	105	*	8.75	8.81		D	17239+3627	I 1	2 C	A	AB	284	1.359	0.007	0.24	0.02	
85134	9.185	0.017	8.917	0.019		0.255	0.024	T	0.29	0.03	L	8.9782	0.0016	0.015	88		8.95	9.01		C			1							
85135	10.881	0.031	9.651	0.017		1.050	0.028	T	1.02	0.02	L	9.6951	0.0022	0.028	230		9.64	9.75		C			1 X							
85136	8.974	0.015	8.364	0.015	*	0.564	0.037	G	0.64	0.03	H *	8.5393	0.0020	0.020	132	*	8.51	8.57		R	17240−0050	I 1	2 C	A	AB	36	3.734	0.012	0.54	0.02	
85137	9.901	0.039	8.910	0.028		0.800	0.015	G	0.84	0.01	H	8.9996	0.0022	0.020	123		8.96	9.03		C			1							
85138	6.535	0.003	6.621	0.003		−0.074	0.004	T	−0.05	0.01	L	6.6168	0.0007	0.009	225		6.60	6.63					1							S
85139	7.376	0.006	5.902	0.003		1.251	0.002	G	1.21	0.00	H	5.9291	0.0008	0.007	88		5.92	5.95		C			1							S
85140	9.858	0.025	8.282	0.012		1.322	0.022	T	1.28	0.03	L	8.2850	0.0020	0.012	93		8.27	8.31					1							
85141	8.637	0.013	7.908	0.011		0.621	0.001	G	0.69	0.00	H	7.9667	0.0026	0.014	61		7.95	7.99			17240−0921	I 1	1 G							S
85142	9.984	0.044	8.788	0.027		1.024	0.040	T	1.00	0.03	L	8.7820	0.0023	0.018	100		8.76	8.81					1							
85143	8.991	0.014	7.393	0.008		1.339	0.013	T	1.30	0.01	L	7.3776	0.0011	0.008	95		7.36	7.39		C			1 G							S
85144	10.302	0.028	8.835	0.015		1.170	0.015	G	1.13	0.01	H	8.8756	0.0014	0.013	111		8.85	8.90		C			1							
85145	10.229	0.044	9.451	0.036		0.692	0.043	T	0.75	0.04	L	9.5167	0.0024	0.021	92		9.49	9.55					1							
85146	7.730	0.007	7.645	0.009		0.083	0.011	T	0.10	0.01	L	7.6628	0.0014	0.015	117		7.64	7.69					1							S
85147	5.493	0.003	5.661	0.003		−0.147	0.004	T	−0.14	0.01	L	5.6389	0.0006	0.006	120		5.63	5.65		C			1							S
85148	11.465	0.154	11.011	0.154		0.428	0.200	T	0.50	0.21	L	11.2809	0.0092	0.083	61		11.17	11.39		R			1							G
85149	7.357	0.005	6.612	0.005	*	0.716	0.003	G	0.77	0.00	H *	6.6621	0.0009	0.008	111	*	6.65	6.68		D	17240+3835	I 1	2 C S A	AB	282	0.159	0.004	0.66	0.16	S
85150	11.198	0.051	10.725	0.053		0.446	0.067	T	0.52	0.07	L	10.8041	0.0042	0.046	147		10.69	10.88					1							G
85151	9.391	0.052	8.358	0.035	−	0.233	0.141	G	0.97	0.08	S *	8.2266	0.0038	0.022	60	−	8.18	8.25		R	17240−1142	I 1	3 C	B						S G
85152	10.704	0.052	9.093	0.023		1.349	0.045	T	1.31	0.05	L	9.0933	0.0036	0.021	65		9.05	9.12					1	S						
85153	9.315	0.022	8.998	0.024	A	0.301	0.031	T	0.34	0.04	L	9.0968	0.0896	0.035	81	A	8.99	9.15			17241+0304	I 1	2 C	D	AB	74	22.377	0.056	1.19	0.28	D
85154	7.966	0.010	6.779	0.007		1.017	0.010	T	0.99	0.01	L	6.8352	0.0012	0.007	69		6.82	6.85					1							S
85155	10.269	0.028	8.699	0.014		1.317	0.025	T	1.28	0.03	L	8.7361	0.0020	0.016	89		8.71	8.77		C			1							
85156	10.748	0.044	10.245	0.047		0.473	0.058	T	0.54	0.06	L	10.2430	0.0032	0.027	115		10.19	10.29		C			1 S							G
85157	5.976	0.002	5.736	0.002		0.229	0.003	T	0.25	0.00	L	5.7719	0.0007	0.007	177		5.76	5.79					1							S
85158	7.619	0.008	6.979	0.006		0.588	0.007	T	0.66	0.01	L	7.0460	0.0014	0.008	75		7.03	7.06		C			1							S
85159	8.265	0.010	8.158	0.012	A	0.300	0.495	G	0.08	0.02	L *	8.1357	0.0019	0.016	108	*	8.11	8.17		M	17242−4348	I 1	2 C	A	AB	266	7.416	0.029	3.20	0.11	S
85160	8.453	0.009	7.319	0.007		0.976	0.009	T	0.96	0.01	L	7.3668	0.0009	0.010	124		7.35	7.38		D			1							S
85161	10.608	0.042	9.086	0.020		1.279	0.037	T	1.24	0.04	L	9.1660	0.0018	0.020	122		9.12	9.21					1							
85162	5.025	0.003	5.094	0.003		−0.052	0.015	G	−0.01	0.00	A	5.0962	0.0005	0.005	99		5.09	5.11					1							S
85163	9.469	0.016	9.026	0.016		0.418	0.021	T	0.48	0.02	L	9.0929	0.0024	0.017	99		9.07	9.13		C			1							
85164	9.774	0.024	8.555	0.015		1.042	0.022	T	1.01	0.02	L	8.6077	0.0022	0.020	96		8.58	8.64					1							
85165	9.153	0.015	8.540	0.013		0.574	0.015	G	0.65	0.01	H	8.6158	0.0014	0.011	81		8.59	8.65					1							
85166	9.710	0.021	8.574	0.014		0.977	0.020	T	0.96	0.02	L	8.6067	0.0015	0.012	90		8.58	8.63		C			1							
85167	10.810	0.045	10.201	0.043		0.567	0.055	T	0.64	0.05	L	10.2671	0.0032	0.026	114		10.23	10.31		C			1							G
85168	8.785	0.015	8.415	0.016		0.361	0.019	T	0.42	0.02	L	8.4120	0.0020	0.015	106		8.38	8.44					1							
85169	5.671	0.003	5.750	0.003		−0.067	0.004	T	−0.04	0.00	L	5.7462	0.0007	0.006	139		5.74	5.76		C			1							S
85170	9.105	0.014	7.955	0.009		0.988	0.013	T	0.97	0.01	L	8.0086	0.0011	0.009	107		7.99	8.02		C			1							S
85171	7.688	0.009	7.630	0.010		0.050	0.015	G	0.06	0.01	H	7.6516	0.0014	0.010	73		7.64	7.67		C			1							S
85172	10.496	0.039	9.117	0.021		1.167	0.035	T	1.13	0.03	L	9.1910	0.0025	0.025	105		9.15	9.23		C			1							
85173	8.984	0.012	8.936	0.015		0.043	0.017	T	0.06	0.01	L	8.9588	0.0020	0.016	126		8.94	8.99					1							
85174	8.408	0.012	8.137	0.014		0.258	0.017	T	0.29	0.02	L	8.1618	0.0017	0.010	75		8.14	8.18		C			1							
85175	8.542	0.010	8.121	0.010	A	0.402	0.015	G	0.47	0.02	H	8.2136	0.0199	0.022	111	A	8.18	8.24		U	17244+4931	I 1	2 C	B	AB	210	20.270	0.042	2.12	0.13	S
85176	9.254	0.020	8.698	0.019	A	0.526	0.021	T	0.60	0.02	L	8.7670	0.0072	0.023	64	A	8.74	8.83		D	17244−2248	I 1	2 C	A	AC	106	13.331	0.027	2.18	0.05	
85177	9.289	0.015	8.016	0.010		1.084	0.014	T	1.05	0.01	L	8.0484	0.0016	0.012	96		8.03	8.07		C			1							S
85178	9.729	0.026	9.033	0.022		0.630	0.026	T	0.70	0.02	L	9.0732	0.0027	0.020	68		9.04	9.11		C			1							
85179	8.098	0.009	7.659	0.009		0.414	0.012	T	0.48	0.01	L	7.7160	0.0013	0.012	105		7.70	7.74					1							S
85180	8.434	0.009	7.924	0.009		0.475	0.015	G	0.55	0.02	H	7.9770	0.0012	0.014	140		7.95	8.00		C			1							S
85181	7.332	0.005	6.354	0.004		0.884	0.005	G	0.89	0.00	H	6.4070	0.0010	0.008	125		6.40	6.42			17245+3657	I 1	1							S
85182	9.806	0.031	8.596	0.019		1.035	0.028	T	1.01	0.02	L	8.6088	0.0017	0.013	61		8.58	8.63					1							
85183	11.121	0.062	10.360	0.048		0.694	0.062	T	0.75	0.05	L	10.5263	0.0041	0.035	109		10.45	10.60		C			1 S							G
85184	10.239	0.026	9.417	0.020		0.725	0.025	T	0.78	0.02	L	9.5366	0.0024	0.022	148		9.50	9.59		C			1							
85185	5.838	0.003	5.756	0.004		0.074	0.005	T	0.09	0.01	L	5.7778	0.0008	0.006	81		5.77	5.79		C			1							S
85186	11.679	0.124	10.679	0.083		0.874	0.111	T	0.88	0.08	L	10.7837	0.0039	0.040	120		10.70	10.84					1							G
85187	6.286	0.005	6.307	0.006	*	−0.017	0.007	T	0.01	0.01	L *	6.3476	0.0006	0.006	88	*	6.34	6.36		D	17246+1536	I 1	2 C	A	AB	66	3.816	0.014	3.32	0.08	S
85188	10.871	0.052	9.015	0.017		1.543	0.043	T	1.60	0.09	L	8.9602	0.0015	0.014	111		8.93	8.98		C			1							
85189	9.664	0.027	9.192	0.027		0.564	0.015	G	0.64	0.01	H	9.1491	0.0060	0.031	67		9.11	9.19	0.21	P 1 A			1							
85190	9.154	0.013	8.651	0.012		0.473	0.016	T	0.54	0.02	L	8.7127	0.0012	0.015	121		8.69	8.74		C			1							
85191	10.268	0.028	8.638	0.013		1.567	0.197	G	1.57	0.22	R	8.6708	0.0019	0.021	122		8.64	8.70			17246+3216	I 2	1							
85192	10.728	0.049	9.889	0.038	*	0.738	0.047	T	0.78	0.04	L *	9.8599	0.0020	0.017	91	*	9.81	9.89		D	17246−3602	I 1	2 C	A	AB	317	0.312	0.007	0.36	0.08	G
85193	9.299	0.015	8.768	0.014	*	0.506	0.016	T	0.58	0.02	L *	8.8261	0.0018	0.019	137	*	8.80	8.88		D	17246−6434	H 1	2 C S A	AB	323	0.167	0.010	0.86	0.39	
85194	8.888	0.011	8.438	0.011		0.400	0.015	G	0.47	0.02	H	8.5000	0.0020	0.017	118		8.47	8.54			17246+3912	I 2	1							S
85195	6.393	0.005	6.342	0.005		0.046	0.006	T	0.06	0.01	L	6.3575	0.0007	0.006	67		6.35	6.37		C			1							S
85196	8.430	0.012	7.637	0.008		0.700	0.015	G	0.76	0.01	H	7.7077	0.0010	0.009	100		7.69	7.72					1							S
85197	10.976	0.063	9.505	0.029		1.340	0.015	G	1.47	0.15	K	9.4434	0.0023	0.020	77		9.41	9.47					1							G
85198	8.893	0.012	8.442	0.012		0.440	0.001	G	0.51	0.00	H	8.4949	0.0018	0.012	107		8.48	8.51					1							
85199	10.440	0.035	9.661	0.027		0.708	0.034	T	0.76	0.03	L	9.7149	0.0037	0.030	115		9.67	9.77		R			1							
85200	9.907	0.022	8.362	0.012		1.297	0.020	T	1.26	0.02	L	8.3587	0.0015	0.014	98		8.34	8.39		C			1							

Number HIP 1 2	Descriptor: epoch J1991.25 RA h m s 3	Dec ±° ′ ″ 4	V mag 5	6 7	Position: epoch J1991.25 α (ICRS) deg 8	δ deg 9	10	Par. π mas 11	Proper Motion $\mu_{\alpha*}$ mas/yr 12	μ_δ 13	Standard Errors α* mas 14	δ 15	π mas 16	$\mu_{\alpha*}$ mas/yr 17	μ_δ 18	Astrometric Correlations (%) 19	20	21	22	23	24	25	26	27	28	Soln F1 % 29	F2 30
*85201	17 24 38.83	+39 12 34.2	7.35	H	261.161 794 06	+39.209 504 50		3.78	−18.46	19.77	0.55	0.63	0.71	0.56	0.78	+ 3	− 7	− 9	− 3	+14	−12	+15	−18	+19	+ 5	0	0.30
*85202	17 24 38.74	+10 08 48.6	9.55	H	261.161 414 32	+10.146 819 67		0.55	−10.46	−3.20	1.09	0.89	1.35	1.37	1.05	+ 0	−18	+16	−10	+29	+ 6	+22	+ 6	−15	+41	0	1.25
85203	17 24 38.93	+32 17 25.1	8.73	2 H	261.162 205 51	+32.290 315 85		0.35	−3.06	18.28	0.73	0.93	1.11	0.90	1.20	+18	−14	−25	+ 2	+ 2	+ 6	+ 0	− 7	+23	+17	0	0.98
85204	17 24 39.28	+32 40 13.2	6.68	H	261.163 650 71	+32.670 342 16		5.35	−0.94	15.00	0.42	0.52	0.63	0.45	0.68	+ 6	−16	− 7	+11	− 2	−16	− 6	− 3	+ 9	− 2	0	0.14
85205	17 24 40.98	+45 43 01.1	9.72	H	261.170 758 52	+45.716 971 91		0.92	−4.58	10.40	0.96	1.07	1.16	1.30	1.51	+14	+ 6	−16	− 1	+10	−23	+ 6	+ 1	− 4	+10	0	−0.72
85206	17 24 41.14	−41 20 29.8	10.04	H	261.171 421 64	−41.341 611 57		1.78	−13.69	−40.79	1.94	0.94	2.01	2.55	0.91	+11	−15	− 3	+30	+ 3	+16	+ 3	−14	+19	+21	0	1.74
85207	17 24 42.04	−21 26 29.1	5.82	H	261.175 167 21	−21.441 413 48		10.81	−14.94	−27.00	0.88	0.63	0.94	1.11	0.66	−25	−24	−10	+19	−50	− 1	−32	+68	−22	−41	0	0.70
85208	17 24 42.44	−13 17 39.6	8.38	H	261.176 848 71	−13.294 338 13		5.95	1.61	7.05	0.91	0.65	0.93	1.03	0.72	−29	−21	− 1	+24	−28	+10	−25	+53	− 9	−33	0	−0.37
85209 H	17 24 42.47	+38 02 12.2	8.07	H	261.176 971 80	+38.036 731 72	A	19.78	−64.02	−195.94	0.92	1.03	1.07	0.93	1.12	+14	− 8	−22	+26	+21	−24	+17	+ 2	+17	+ 5	1	0.47
85210	17 24 43.07	−36 27 34.1	8.17	1 H	261.179 457 50	−36.459 479 12		2.19	−2.06	−9.47	0.92	0.50	1.02	1.10	0.51	− 4	−30	+ 0	+17	−13	− 4	−13	+20	+10	−10	0	0.28
85211	17 24 43.10	−45 00 30.0	6.66	H	261.179 598 25	−45.008 328 39		15.53	−14.05	38.46	0.76	0.45	0.84	0.95	0.44	−12	−22	+ 8	+22	− 8	+ 3	+ 0	−10	− 2	+11	2	1.49
85212	17 24 43.19	−75 02 32.5	8.28	H	261.179 944 50	−75.042 371 22		3.45	−6.33	−12.37	0.51	0.71	0.87	0.61	0.90	+ 0	−15	+ 9	+11	− 8	+ 0	− 8	−18	−26	−14	0	−1.33
85213	17 24 43.36	+83 56 09.1	8.71	H	261.180 679 62	+83.935 863 20		1.74	−14.00	−6.97	0.70	0.70	0.75	0.72	0.84	+10	−24	+ 4	+ 8	+ 6	− 4	+ 5	+31	− 1	+16	1	2.10
85214	17 24 43.83	−54 24 24.3	8.57	G	261.182 643 69	−54.406 756 34		5.16	40.06	14.43	0.85	0.70	1.08	1.07	0.83	−19	−22	+ 5	+11	− 2	+15	− 1	+ 9	− 6	− 1	0	−1.19
85215	17 24 45.77	−27 46 42.7	9.73	H	261.190 727 51	−27.778 539 84		10.08	18.34	−45.42	1.72	0.96	1.94	2.07	1.02	− 3	−44	− 9	+22	−22	−28	−12	+51	−11	−16	0	−1.24
85216 H	17 24 45.86	−59 12 49.1	7.22	H	261.191 090 85	−59.213 631 35	A	4.74	−8.86	−15.62	2.37	1.86	1.91	2.04	1.58	−19	+ 5	− 1	−11	−34	− 8	−25	− 7	− 7	−44	6	3.14
85217	17 24 47.47	−50 50 35.0	8.20	H	261.197 771 03	−50.843 055 54		3.70	−14.98	−48.19	1.25	0.82	1.33	1.45	0.84	−13	−24	− 3	+38	+12	+ 7	+13	+12	+ 4	+ 2	0	1.88
85218	17 24 48.77	+46 27 28.8	8.57	H	261.203 211 02	+46.457 997 70		1.57	0.33	20.52	0.76	0.78	0.85	0.92	1.12	+ 8	− 8	−17	−27	−12	− 4	−13	+ 0	+ 0	− 2	0	−0.91
85219	17 24 49.12	−08 10 49.0	9.20	H	261.204 646 84	−08.180 273 97		4.77	−17.49	−22.06	1.11	0.78	1.15	1.32	0.84	−15	−16	− 7	+18	−25	+13	−14	+63	− 7	−34	0	−0.17
85220	17 24 49.84	−53 39 06.3	8.55	H	261.207 667 88	−53.651 750 79		3.89	10.41	−20.31	1.04	0.75	1.20	1.04	0.78	+ 2	−39	+ 0	+15	− 9	+ 3	+ 0	− 2	−21	− 3	0	−1.41
85221	17 24 50.40	+80 51 47.3	8.58	H	261.209 983 96	+80.863 150 33		2.24	5.70	11.75	0.64	0.67	0.67	0.73	0.80	+18	−21	−18	+23	+ 4	+12	+ 8	+45	−16	+19	3	−0.68
85222	17 24 50.66	−41 30 02.1	7.79	H	261.211 099 82	−41.500 574 08		12.08	3.99	34.59	1.01	0.47	1.03	1.30	0.47	+ 7	−17	− 4	+32	− 4	+19	− 2	− 5	+19	+17	0	−1.05
85223	17 24 52.05	−46 12 06.9	6.75	H	261.216 855 50	−46.201 927 30		2.58	7.36	−13.63	0.81	0.48	0.87	1.03	0.52	+ 2	−29	+ 0	+15	−15	− 1	− 9	+ 0	− 1	+20	0	1.61
85224	17 24 52.24	−18 51 32.9	8.48	G	261.217 675 78	−18.859 143 21		9.40	−5.89	−31.33	1.10	0.81	1.19	1.46	0.87	−19	−28	−30	+32	−35	+18	−21	+72	−23	−37	0	1.06
85225 H	17 24 53.32	−59 23 46.3	8.76	H	261.222 159 16	−59.396 195 11	A	2.06	−1.29	−19.79	1.76	1.55	1.93	1.97	1.59	− 3	− 8	+18	−23	−24	− 3	−24	−34	−21	−16	2	0.39
85226	17 24 53.60	+49 10 58.9	8.91	H	261.223 331 88	+49.183 019 55		3.70	10.61	−40.30	0.72	0.78	0.79	0.86	1.01	+11	−15	+ 0	+31	+13	− 2	+14	+19	+ 0	+16	3	0.37
85227	17 24 53.73	+13 20 04.0	9.29	G	261.223 858 27	+13.334 447 46	B	12.98	−7.22	0.12	11.78	10.43	5.86	6.29	6.08	+37	−17	+11	+33	+44	+16	+44	+34	+ 3	+36	25	0.66
85228	17 24 54.37	+35 44 24.1	8.62	H	261.226 554 83	+35.740 021 99		2.46	0.06	2.51	0.70	0.83	0.97	0.81	1.05	+ 9	−16	+ 5	+23	+10	−18	+16	−15	+18	+26	0	−0.22
85229	17 24 54.71	+13 19 43.3	8.49	G	261.227 969 35	+13.328 705 18	A	3.49	−22.39	−25.27	3.92	3.46	4.37	2.88	3.09	+60	−50	−25	+54	+62	− 2	+72	+51	−49	+53	25	0.66
85230 H	17 24 57.12	+43 06 18.7	9.81	H	261.238 002 88	+43.105 195 08	B	8.81	61.55	−74.91	3.49	4.07	3.19	3.36	4.42	−15	− 6	+ 6	+ 3	+ 1	− 7	+ 0	− 4	− 5	−38	3	1.16
85231	17 24 57.65	+16 56 05.8	7.81	H	261.240 226 47	+16.934 930 76		5.09	12.63	−0.64	0.65	0.70	1.00	0.71	0.79	−15	−24	−13	− 4	+22	+ 6	+16	+25	− 3	+10	2	2.51
85232	17 24 58.55	−15 21 09.8	9.47	H	261.243 974 89	−15.352 711 22		0.38	−5.65	−2.11	1.59	1.15	1.63	2.38	1.28	−32	+ 5	−15	+25	−30	− 5	−28	+65	−13	−36	0	−0.75
85233	17 24 58.57	+44 37 30.6	11.05	H	261.244 060 67	+44.625 178 21		7.36	0.20	10.27	1.26	1.34	1.47	1.33	1.55	+14	−17	−12	+14	+ 9	−18	+10	− 6	− 8	+18	0	0.70
85234	17 24 59.30	−45 53 37.8	8.02	G	261.247 076 80	−45.893 825 45		−0.51	6.39	−2.94	1.18	0.70	1.26	1.61	0.71	− 2	− 4	+14	+27	−11	− 4	− 3	+ 0	− 6	+17	2	0.52
85235	17 25 00.90	+67 18 24.1	6.44	G	261.253 756 12	+67.306 695 99		78.14	−531.00	3.65	0.49	0.48	0.51	0.49	0.58	+ 7	−21	+ 4	−21	+ 2	+ 0	− 6	+13	+10	+26	0	1.04
85236	17 25 01.78	−09 12 42.0	8.20	H	261.257 424 77	−09.211 656 71		13.45	−5.91	−133.28	1.11	0.66	1.25	1.14	0.68	+ 5	−41	−14	+ 3	−23	−10	+ 1	+60	−24	−22	0	1.71
85237	17 25 02.67	−34 41 45.6	6.14	H	261.261 118 05	−34.696 009 68		6.45	−2.00	−18.88	0.72	0.44	0.81	0.91	0.48	−18	−28	−12	+11	+ 2	−29	− 5	+15	+19	−45	0	1.06
85238 H	17 25 03.29	+34 43 55.4	9.65	H	261.263 692 37	+34.732 049 69	*	11.46	−3.84	1.13	0.81	1.09	1.21	0.88	1.37	+ 4	− 3	+ 9	+ 0	+10	+ 0	+11	− 7	+22	+ 9	0	0.53
85239	17 25 04.31	−14 37 02.7	9.68	H	261.267 950 28	−14.617 414 57		8.44	−49.82	−55.39	1.47	0.88	1.57	1.79	0.94	+ 8	−45	−23	+32	−10	−13	− 1	+61	−13	−13	0	−0.68
85240	17 25 05.51	−16 43 28.4	10.13	H	261.272 961 14	−16.724 549 62		4.33	−2.72	−2.46	1.97	1.24	2.31	2.39	1.39	− 5	−35	−27	+ 4	−27	−14	−12	+50	− 8	−44	0	−0.47
85241	17 25 05.93	−50 26 58.0	7.62	H	261.274 714 94	−50.449 437 83		15.37	18.48	−89.25	1.02	0.63	1.11	1.06	0.67	− 7	−44	+ 7	+41	+ 7	− 5	+12	+25	−11	+ 6	0	1.99
85242	17 25 06.23	−24 14 37.4	6.17	H	261.275 941 97	−24.243 712 31		7.68	21.64	11.90	0.81	0.53	0.86	0.84	0.56	−25	−41	− 7	+15	−31	−12	−23	+38	− 4	−44	0	0.46
85243	17 25 07.79	−61 46 50.5	8.66	H	261.282 448 63	−61.780 697 98		3.69	3.30	5.30	0.73	0.67	1.09	0.77	0.73	− 3	−26	− 7	−17	− 3	+19	+ 2	− 5	−13	−13	0	1.76
85244	17 25 08.34	+53 07 57.2	7.82	H	261.284 748 54	+53.132 547 96		24.42	−15.72	83.01	0.61	0.62	0.67	0.69	0.76	+15	−22	+ 1	+22	+ 7	−10	+13	+11	−26	+20	0	1.51
85245	17 25 08.94	−49 53 57.1	8.89	H	261.287 257 05	−49.899 188 35		1.72	1.50	−5.35	1.26	0.84	1.48	1.56	0.87	+ 0	−25	+25	+31	+15	+13	+16	+15	− 7	+25	0	−0.34
85246	17 25 10.78	−24 30 20.1	9.80	H	261.294 906 31	−24.505 590 69		18.23	−0.66	−23.92	1.66	0.98	1.79	1.69	1.02	− 6	−50	−17	+10	−36	− 6	−24	+41	− 2	−35	0	−1.23
85247	17 25 11.63	−21 53 43.6	8.77	H	261.298 464 79	−21.895 453 18		4.29	−4.25	−49.22	1.47	0.93	1.56	1.65	0.94	−31	−46	− 1	+36	−49	−14	−29	+73	−18	−39	0	−1.03
85248	17 25 12.22	+05 16 03.7	9.61	H	261.300 903 02	+05.267 699 34		−0.22	3.61	−11.12	1.15	0.83	1.33	1.26	0.89	− 1	−27	+15	+35	+25	+11	+25	+29	−11	+ 6	0	0.26
*85249	17 25 13.47	+20 35 41.6	10.62	H	261.306 113 98	+20.594 884 95		0.31	−5.19	17.40	1.35	1.56	2.31	2.00	1.97	+20	−14	−40	− 7	+20	−25	+10	+ 6	+12	+ 6	4	−1.37
*85250	17 25 13.46	−34 25 47.4	6.79	H	261.306 076 43	−34.429 828 27		13.13	−1.25	−56.03	0.91	0.50	1.01	1.12	0.54	−22	−37	− 1	− 3	+ 8	−22	+ 4	+14	+12	−40	0	0.14
85251	17 25 14.74	+06 25 45.6	7.70	H	261.311 401 07	+06.429 329 81		6.13	−2.70	−6.52	0.93	0.66	1.21	1.02	0.78	+ 1	−46	+ 3	+31	+20	−21	+30	+33	−28	+10	4	1.04
85252	17 25 14.90	+19 55 14.7	8.59	2 H	261.312 083 12	+19.920 759 44		3.66	−0.56	4.02	0.82	0.89	1.32	1.08	1.22	+17	−29	−28	+16	+ 7	− 3	+10	+20	−14	− 4	0	1.31
85253	17 25 15.91	−17 25 18.3	9.74	G	261.316 280 12	−17.421 754 83		17.60	−34.20	−117.30	1.48	0.90	1.65	1.76	0.98	+10	−25	−22	−17	−33	−17	−12	+42	− 9	−32	0	−1.05
85254	17 25 16.23	−22 52 15.9	9.35	G	261.317 631 36	−22.871 076 85		5.82	16.99	−2.24	1.68	1.20	1.74	1.88	1.24	−45	−27	−25	+41	−65	+ 9	−46	+78	−32	−60	0	1.08
85255	17 25 16.90	+22 10 44.6	8.39	H	261.320 431 72	+22.179 059 54		3.12	−9.25	12.32	0.65	0.84	1.11	0.81	1.05	−10	− 9	−26	+20	+25	−10	+25	− 5	+ 4	− 8	0	−0.38
85256	17 25 17.33	−57 02 08.2	11.40	G	261.322 221 32	−57.035 610 15		0.39	2.12	−12.81	1.90	1.69	2.71	2.35	1.89	−27	−12	− 3	− 4	+ 1	+27	+ 3	−24	− 1	−21	0	0.34
85257	17 25 17.80	−26 08 45.8	9.11	H	261.324 163 42	−26.146 049 27		8.10	−6.14	−48.41	1.36	0.87	1.49	1.57	0.91	+10	−25	+ 6	+ 3	− 6	−17	+ 4	+52	+ 4	− 6	0	−1.79
85258	17 25 18.00	−55 31 47.4	2.84	1 G	261.324 988 28	−55.529 823 97		5.41	−8.23	−24.71	0.60	0.51	0.76	0.76	0.60	−36	−12	− 9	−12	+ 5	+10	+ 5	− 7	+ 2	−27	0	−0.28
85259	17 25 18.79	+08 55 29.3	6.68	H	261.328 305 48	+08.924 802 91		3.31	−52.05	−55.58	0.73	0.58	0.88	0.72	0.64	+18	−39	+ 4	+36	+43	+ 6	+46	+40	−16	+25	0	0.86
85260 H	17 25 18.86	−55 59 35.1	8.74	2 H	261.328 584 83	−55.993 071 72	*	2.30	−0.30	−16.89	0.91	0.84	1.18	1.11	0.96	−37	− 6	−12	−23	+24	+10	+24	−23	+ 3	−25	0	0.95
85261	17 25 20.14	+22 26 28.4	7.95	G	261.333 936 18	+22.441 220 22		5.47	−10.20	23.30	0.54	0.72	1.00	0.72	1.04	− 7	− 5	−23	+17	+21	+ 2	+23	+10	+12	−17	0	−0.75
85262	17 25 20.67	+28 09 13.8	8.89	H	261.336 109 61	+28.153 823 36		5.64	−22.40	−5.46	0.71	0.89	1.12	0.85	1.09	+12	−10	−18	+ 5	+ 8	−13	+ 5	− 8	+14	+ 8	0	1.45
85263 H	17 25 21.08	−59 03 29.1	7.94	H	261.337 836 44	−59.058 071 05	A	3.26	−8.01	−37.03	1.61	1.36	1.75	1.67	1.37	− 9	+ 3	+ 9	−12	−25	− 8	−23	−20	−23	−16	3	0.65
85264	17 25 21.12	+27 38 24.0	8.39	H	261.338 013 01	+27.640 005 27		1.62	−27.73	−9.61	0.62	0.84	1.07	0.76	1.07	+ 5	−11	−22	−12	+ 7	−13	+ 4	−16	+ 3	− 3	1	−1.40
85265	17 25 23.13	−42 27 13.8	9.78	H	261.346 358 27	−42.453 838 90		3.76	4.59	−26.13	1.51	0.77	1.65	1.77	0.70	−14	−23	+ 7	+16	+ 0	− 5	+ 3	−20	+ 4	− 2	0	−0.12
85266	17 25 23.34	+13 57 10.4	9.48	H	261.347 255 93	+13.952 876 03		1.86	2.00	5.73	1.16	1.16	1.59	1.20	1.29	+12	−11	− 9	+27	+44	+ 5	+49	+19	− 9	+26	2	−0.10
85267	17 25 23.66	−56 22 39.7	3.31	1 H	261.348 582 74	−56.377 688 24		2.87	−0.77	−15.85	0.60	0.52	0.75	0.72	0.59	−37	−16	−13	− 2	+10	+11	+13	− 4	− 6	−27	0	0.95
85268	17 25 24.14	+52 47 26.9	6.46	H	261.350 595 37	+52.790 806 63		36.80	−90.90	−50.59	0.47	0.52	0.54	0.50	0.62	+ 7	−21	+ 1	+13	+ 7	− 4	+12	+16	−23	+ 7	0	0.63
85269	17 25 24.61	+34 11 18.8	8.36	H	261.352 538 52	+34.188 544 80		3.20	−4.46	2.07	0.65	0.75	0.89	0.72	1.02	+ 8	+ 7	+ 5	− 8	+ 7	+ 0	+10	−18	+20	+ 7	0	−0.64
85270 H	17 25 24.73	−16 42 44.7	11.30	H	261.353 038 22	−16.712 409 25	*	7.03	1.20	−10.54	2.74	1.76	3.12	3.20	1.91	− 7	−34	−24	+ 8	−30	− 5	−12	+58	−16	−39	2	1.77
85271	17 25 25.09	+15 32 56.8	7.74	2 H	261.354 550 94	+15.549 110 15		2.23	−11.85	2.26	0.73	0.77	0.92	0.70	0.80	+14	−11	+ 4	+29	+50	+15	+51	+27	+12	+38	2	−1.03
85272	17 25 26.31	−67 21 32.2	9.10	H	261.359 629 82	−67.358 948 29		14.06	1.45	−97.94	0.80	0.94	1.33	1.20	1.18	−29	−17	+ 8	+51	−41	− 2	−35	+46	− 4	−28	0	−0.15
85273 H	17 25 26.33	−08 49 42.7	7.23	H	261.359 691 59	−08.828 525 36	A	9.42	−34.67	4.27	1.12	0.85	1.12	1.20	0.79	+17	− 9	+13	−17	−35	−31	− 7	+48	− 5	−18	2	0.78
85274	17 25 28.28	−66 23 23.7	7.31	H	261.367 839 64	−66.389 917 87		3.86	8.18	−69.65	0.53	0.58	0.89	0.63	0.70	+10	− 7	−10	+15	−30	+ 7	−28	+21	−18	− 8	3	−0.90
85275	17 25 29.27	−19 44 27.0	8.28	G	261.371 969 36	−19.740 830 87		8.75	−13.83	−16.25	1.02	0.70	1.12	1.16	0.75	−14	−33	−24	+25	−36	+ 1	−18	+68	−22	−42	0	1.24
*85276	17 25 29.45	+37 47 11.7	7.67	H	261.372 706 80	+37.786 584 70		1.78	−0.17	−1.05	0.57	0.72	0.77	0.63	0.88	+10	− 5	−12	+14	+17	−12	+18	− 8	+15	+18	0	0.45
*85277 H	17 25 29.44	+51 29 35.3	8.94	2 H	261.372 675 67	+51.493 142 72	A	2.94	−3.98	−24.88	1.41	1.51	1.39	1.31	1.72	+11	− 6	+ 0	+27	+ 7	+ 2	+10	+26	+ 2	+ 9	3	1.30
85278	17 25 29.64	−29 40 14.2	6.82	H	261.373 518 56	−29.670 623 07		5.25	−7.69	−21.06	0.92	0.55	1.05	0.95	0.56	− 7	−46	−25	+18	−25	−16	−17	+40	− 9	−37	0	−0.29
85279	17 25 29.80	+03 18 40.0	7.54	H	261.374 181 34	+03.311 115 75		7.12	13.86	9.95	0.78	0.57	1.01	0.89	0.65	+15	−31	− 1	+31	+29	+ 2	+33	+46	−26	+14	2	0.54
85280	17 25 31.37	+38 47 01.9	8.54	H	261.380 724 70	+38.783 858 65		2.17	13.07	−20.10	0.68	0.76	0.88	0.81	0.88	+ 9	+10	− 9	− 6	+13	−23	+12	−10	+ 7	+13	0	0.79
85281	17 25 32.48	−30 59 13.0	9.95	G	261.385 341 99	−30.986 957 39		3.10	−10.76	−19.95	1.69	0.94	1.71	2.03	1.05	− 5	−35	− 5	− 2	−13	− 2	−21	+22	+15	−15	0	−0.30
85282	17 25 33.38	+20 20 01.3	8.59	H	261.389 065 48	+20.333 703 76		1.34	−1.48	4.18	0.73	0.84	1.19	1.02	1.09	+ 8	− 9	−27	+ 5	+13	−21	+ 8	+12	+ 2	+ 0	2	0.57
85283 H	17 25 34.47	−58 24 38.5	9.04	H	261.393 627 35	−58.410 687 78	A	2.02	−6.78	−19.27	2.09	1.79	2.36	2.26	1.80	−33	− 7	− 7	+ 3	−30	+18	−31	−19	+ 0	−44	1	0.99
85284	17 25 35.63	−41 20 20.4	8.85	H	261.398 472 50	−41.339 011 40		0.11	−3.11	−3.06	1.31	0.64	1.32	1.74	0.64	+10	−15	− 4	+31	−11	+22	− 5	− 9	+17	+23	0	1.39
85285	17 25 36.62	−21 37 54.1	8.37	H	261.402 592 56	−21.631 697 52		20.78	0.28	−38.92	1.09	0.73	1.21	1.28	0.76	−24	− 6	−10	+15	−44	− 8	−32	+64	−28	−35	0	1.47
85286	17 25 38.24	+28 25 25.8	8.47	H	261.409 342 62	+28.423 842 19		0.28	0.36	8.37	0.67	0.75	1.01	0.76	0.90	+11	−20	−13	− 3	+11	− 6	+ 6	−13	+22	+22	0	−1.01
85287	17 25 39.42	+07 30 05.4	7.88	H	261.414 241 15	+07.501 508 78		6.58	−34.14	−7.90	0.73	0.58	0.91	0.78	0.62	+ 3	−19	+ 3	+19	+23	+ 6	+24	+23	−11	+15	0	−0.10
85288	17 25 40.84	−15 15 36.9	9.02	H	261.420 159 64	−15.260 250 38		1.98	−4.56	4.44	1.33	0.94	1.41	1.94	1.03	−15	−14	−13	+19	−32	− 1	−21	+65	−10	−30	0	−1.74
85289	17 25 40.90	+16 23 02.0	6.64	H	261.420 409 28	+16.383 888 84		7.69	−10.49	32.46	0.60	0.54	0.79	0.51	0.56	+13	−36	−24	+ 4	+25	+ 3	+30	+13	− 7	+16	2	1.13
85290	17 25 41.36	+60 02 54.0	5.65	H	261.422 348 40	+60.048 340 69		9.58	−8.10	23.57	0.44	0.47	0.49	0.49	0.60	+12	− 5	+ 9	+ 9	+ 8	−13	+11	+16	−26	+16	1	1.12
85291	17 25 42.27	−35 45 18.5	8.18	H	261.426 110 62	−35.755 151 24		4.50	12.18	8.90	0.96	0.53	1.05	1.16	0.53	−22	−19	−12	+21	−19	− 8	−20	+14	+14	−33	0	2.12
85292 H	17 25 43.52	−26 59 29.0	9.15	H	261.431 350 08	−26.991 388 43	A	−1.35	−1.33	0.81	2.57	1.94	2.49	2.73	1.52	− 2	−31	−22	+22	−17	− 6	−13	+48	−13	−11	0	−0.30
85293	17 25 44.22	−41 25 45.2	10.27	H	261.434 236 97	−41.429 222 78		6.66	−7.69	−44.20	1.90	1.02	2.01	2.56	0.97	+ 8	− 4	+14	+30	− 1	+20	+ 2	−11	+ 8	+20	4	1.30
85294	17 25 45.40	+27 18 12.5	7.47	G	261.439 155 82	+27.303 484 25		8.76	49.02	−59.03	0.49	0.66	0.86	0.60	0.93	+ 7	− 8	−23	− 2	− 3	− 7	− 5	+ 4	− 5	+ 1	0	−1.75
85295	17 25 45.57	+02 06 51.5	7.54	G	261.439 878 88	+02.114 302 12		129.54	−580.47	−1184.81	0.76	0.51	0.95	0.81	0.57	− 5	−30	+ 4	+ 0	+17	−19	+20	+21	−17	+ 7	0	0.32
85296	17 25 47.48	+04 39 42.9	8.67	H	261.447 845 58	+04.661 906 63		2.45	−13.09	11.79	0.93	0.74	1.15	1.07	0.82	− 2	−28	+14	+30	+ 7	+ 0	+11	+37	−16	+ 6	4	−0.54
85297	17 25 47.63	−75 23 49.7	11.15	2 H	261.448 457 97	−75.397 143 38		20.59	−14.82	−54.60	1.70	2.46	3.00	1.92	3.54	+ 8	− 9	−15	+ 1	−13	+11	− 9	+23	−32	− 6	0	4.91
85298	17 25 47.99	+01 17 14.9	9.31	H	261.449 962 94	+01.287 466 57		3.78	6.32	−10.06	1.17	0.77	1.46	1.26	0.81	+15	−39	−15	+23	+42	−28	+38	−31	− 9	+13	2	0.85
85299	17 25 51.17	−28 39 19.0	9.03	H	261.463 213 87	−28.655 289 68		14.24	−6.10	−110.50	1.41

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
85201	8.993	0.012	7.477	0.007		1.274	0.011	T	1.23	0.01	L	7.5044	0.0014	0.010	114		7.49	7.52					1 S							
85202	11.689	0.105	9.832	0.032		1.544	0.087	T	1.60	0.19	L	9.6696	0.0021	0.022	85		9.63	9.71		D			1							
85203	10.802	0.043	8.983	0.016		1.617	0.082	G	2.05	0.23	K	8.8073	0.0035	0.033	118		8.76	8.86		U	17246+3216	I 2	1							
85204	7.903	0.007	6.788	0.005		0.961	0.007	T	0.95	0.01	L	6.8450	0.0010	0.010	134		6.83	6.86					1							S
85205	11.030	0.055	9.793	0.031		1.056	0.049	T	1.02	0.04	L	9.8924	0.0036	0.025	90		9.86	9.93		C			1							
85206	10.712	0.040	10.132	0.038		0.542	0.049	T	0.62	0.05	L	10.1569	0.0029	0.026	109		10.11	10.21		C			1							G
85207	7.020	0.005	5.935	0.004		0.939	0.002	G	0.95	0.07	F	5.9881	0.0006	0.006	71		5.97	6.00		C	17247−2126	I 1	1							S
85208	8.765	0.013	8.409	0.013		0.340	0.007	G	0.40	0.01	H	8.4590	0.0014	0.012	84		8.44	8.49		C			1							
85209	9.061	0.013	8.176	0.010	A	0.300	0.495	G	0.80	0.02	L *	8.2127	0.0015	0.013	108	*	8.19	8.24		C	17247+3802	I 1	2 C D	AB	216	2.026	0.050	3.97	0.18	D
85210	10.480	0.038	8.400	0.013		1.760	0.033	T	2.56	0.05	O	8.1799	0.0023	0.021	106		8.15	8.22		U			1							
85211	7.121	0.006	6.694	0.005		0.388	0.009	G	0.44	0.02	A	6.7456	0.0009	0.009	96		6.73	6.76					1							S
85212	8.289	0.007	8.272	0.009		0.020	0.011	T	0.04	0.01	L	8.2987	0.0017	0.019	163		8.27	8.33					1							
85213	10.031	0.022	8.830	0.014		1.028	0.020	T	1.00	0.02	L	8.8787	0.0015	0.015	114		8.85	8.90		C			1							
85214	9.039	0.014	8.621	0.014		0.420	0.015	G	0.49	0.02	H	8.6654	0.0020	0.020	104		8.63	8.70					1							
85215	10.501	0.047	9.773	0.040		0.668	0.049	T	0.73	0.04	L	9.8667	0.0029	0.019	71		9.84	9.90		C			1							G
85216	7.293	0.005	7.249	0.007	*	0.040	0.008	T	0.06	0.01	L *	7.2420	0.0013	0.011	115	*	7.23	7.27		D	17248−5913	I 1	2 C A	AB	118	0.452	0.006	0.75	0.04	S
85217	9.671	0.029	8.345	0.017		1.125	0.026	T	1.09	0.03	L	8.3660	0.0023	0.012	66		8.35	8.39		C			1							
85218	10.052	0.028	8.707	0.016		1.140	0.025	T	1.10	0.03	L	8.7344	0.0018	0.013	84		8.70	8.76		C			1							
85219	9.679	0.024	9.240	0.025		0.414	0.032	T	0.48	0.04	L	9.2929	0.0018	0.011	74		9.27	9.31		C			1							
85220	9.997	0.029	8.713	0.017		1.093	0.026	T	1.05	0.03	L	8.7217	0.0022	0.017	78		8.68	8.75		C			1 S							
85221	10.795	0.046	8.792	0.016		1.660	0.039	T	1.68	0.04	L	8.6879	0.0022	0.019	114		8.65	8.72					1							
85222	8.407	0.010	7.853	0.009		0.524	0.010	T	0.60	0.01	L	7.9056	0.0013	0.011	113		7.89	7.92		C			1							S
85223	6.658	0.005	6.731	0.005		−0.062	0.006	T	−0.04	0.01	L	6.7347	0.0008	0.007	76		6.72	6.75		C			1							S
85224	9.038	0.017	8.523	0.016		0.511	0.015	G	0.58	0.02	H	8.5869	0.0018	0.012	68		8.57	8.61		C			1							
85225	9.962	0.024	8.868	0.016	*	0.945	0.022	T	0.94	0.02	L *	8.9184	0.0022	0.022	103	*	8.89	8.96			17249−5924	H 1	2 C A	AB	355	0.966	0.032	3.19	0.16	
85226	9.511	0.016	8.972	0.015		0.505	0.020	T	0.58	0.02	L	9.0176	0.0018	0.017	111		8.98	9.05		C			1							
85227	9.854	0.029	9.319	0.028	B	0.563	0.015	G	0.64	0.01	H	9.4134	0.0310			B				D	17249+1320	I 2	1 C I D							D
85228	10.483	0.029	8.766	0.013		1.433	0.025	T	1.42	0.04	L	8.7584	0.0029	0.019	109		8.73	8.79					1							
85229	9.046	0.016	8.508	0.015	A	0.533	0.015	G	0.61	0.02	H	8.5890	0.0182	0.023	89	A	8.48	8.62		D	17249+1320	I 2	1 C P D							D
85230	11.049	0.057	10.061	0.039	*	0.865	0.051	T	0.88	0.04	L *	9.9688	0.0022	0.026	93	*	9.92	10.01		D	17250+4306	M 1	2 C A	BA	328	1.040	0.007	0.03	0.02	
85231	9.512	0.018	7.939	0.010		1.319	0.016	T	1.28	0.02	L	7.9625	0.0013	0.012	105		7.94	7.98		C			1							
85232	11.307	0.086	9.679	0.036		1.363	0.074	T	1.33	0.09	L	9.6111	0.0028	0.025	74		9.57	9.65		C			1							
85233	11.662	0.095	10.836	0.072		0.495	0.072	G	0.57	0.08	R	11.1543	0.0044	0.041	113		11.06	11.23					1							G
85234	10.158	0.036	8.211	0.014		1.610	0.013	G	1.69	0.02	A	8.1300	0.0017	0.015	77		8.11	8.15		C			1							
85235	7.391	0.006	6.507	0.005		0.759	0.003	G	0.80	0.00	H	6.5688	0.0009	0.007	100		6.56	6.58		C			1							S
85236	9.216	0.019	8.284	0.014		0.824	0.018	T	0.85	0.01	L	8.3509	0.0015	0.011	63		8.33	8.37		C			1							S
85237	6.183	0.004	6.138	0.005		0.046	0.006	T	0.06	0.01	L	6.1602	0.0007	0.005	85		6.15	6.17		C			1							S
85238	10.533	0.032	9.716	0.026	*	0.737	0.031	T	0.78	0.02	L *	9.7900	0.0026	0.031	130	*	9.75	9.85		C	17251+3444	I 1	2 C S A	AS	182	0.186	0.024	0.83	0.53	
85239	10.512	0.056	9.724	0.044		0.699	0.054	T	0.76	0.04	L	9.8204	0.0017	0.014	75		9.78	9.86		C			1							G
85240	11.788	0.149	10.277	0.068		1.460	0.037	G	1.47	0.06	K	10.2585	0.0038	0.023	67		10.21	10.32					1							G
85241	8.200	0.012	7.668	0.014		0.483	0.015	G	0.55	0.02	H	7.7252	0.0014	0.010	76		7.71	7.75		C			1							S
85242	7.590	0.009	6.288	0.005		1.103	0.003	G	1.07	0.00	H	6.3400	0.0008	0.006	77		6.33	6.35		C			1							S
85243	9.126	0.013	8.710	0.013		0.407	0.015	T	0.47	0.02	L	8.7540	0.0014	0.017	136		8.73	8.79		C			1							
85244	8.620	0.013	7.893	0.011		0.667	0.015	G	0.73	0.01	H	7.9570	0.0012	0.012	96		7.93	7.97					1							S
85245	11.134	0.085	9.120	0.024		1.646	0.028	G	1.62	0.03	J	9.0034	0.0030	0.023	83		8.96	9.05					1							D
85246	11.027	0.072	9.936	0.047		0.934	0.068	T	0.93	0.05	L	9.9489	0.0032	0.023	64		9.90	9.97		C			1							G
85247	9.203	0.016	8.813	0.017		0.381	0.020	T	0.45	0.02	L	8.8582	0.0023	0.013	66		8.84	8.89		C			1							
85248	11.485	0.085	9.706	0.027		1.482	0.071	T	1.50	0.11	L	9.7390	0.0020	0.016	89		9.70	9.77		C			1							
85249	11.147	0.056	10.610	0.054		0.504	0.070	T	0.58	0.07	L	10.7317	0.0040	0.037	103		10.66	10.79		C			1							G
85250	8.014	0.009	6.898	0.007		0.962	0.009	T	0.95	0.01	L	6.9583	0.0009	0.008	84		6.94	6.97		C			1							S
85251	9.106	0.013	7.834	0.008		1.083	0.012	T	1.05	0.01	L	7.8716	0.0009	0.010	86		7.86	7.89		C			1							
85252	10.794	0.045	8.816	0.016		1.676	0.039	T	2.31	0.08	O	8.6455	0.0052	0.034	104		8.60	8.70		U 2			1							
85253	10.816	0.072	9.922	0.057		0.825	0.002	G	0.87	0.00	H	9.8862	0.0036	0.021	64		9.86	9.93		C			1							G
85254	10.010	0.035	9.432	0.034		0.528	0.020	G	0.60	0.02	H	9.4757	0.0030	0.020	61		9.44	9.51		C			1							
85255	10.533	0.029	8.613	0.011		1.594	0.025	T	1.61	0.03	L	8.5088	0.0019	0.024	151		8.47	8.55					1 S							
85256						0.780	0.020	G	0.82	0.01	H	11.4708	0.0054	0.061	99		11.34	11.54					1							G
85257	9.788	0.028	9.171	0.027		0.571	0.029	T	0.64	0.03	L	9.2336	0.0030	0.018	58		9.21	9.27		C			1							
85258	4.767	0.003	2.992	0.002		1.479	0.003	T	1.50	0.00	L	2.9935	0.0011	0.007	76		2.98	3.01		M			1							S
85259	8.670	0.017	6.854	0.008		1.511	0.015	T	1.54	0.02	L	6.8015	0.0009	0.009	100		6.78	6.82					1							S
85260	10.849	0.086	8.967	0.033	*	1.597	0.076	T	2.44	0.14	O *	8.7648	0.0039	0.028	87	*	8.71	8.82		U	17253−5600	H 1	2 C S B	AB	174	0.192	0.034	1.62	0.59	
85261	8.396	0.008	7.991	0.009		0.369	0.009	G	0.43	0.01	H	8.0492	0.0015	0.016	159		8.02	8.08		C			1							S
85262	9.805	0.016	8.969	0.013		0.752	0.016	T	0.80	0.01	L	9.0345	0.0022	0.026	159		8.99	9.07					1							
85263	9.221	0.020	8.026	0.012	*	1.023	0.018	T	1.00	0.01	L *	8.1062	0.0023	0.018	116	*	8.08	8.15		D	17254−5903	I 1	2 C A	AB	348	8.849	0.022	2.60	0.11	
85264	10.200	0.021	8.536	0.010		1.391	0.018	T	1.36	0.02	L	8.5364	0.0021	0.023	168		8.50	8.58					1							
85265	10.378	0.029	9.917	0.032		0.435	0.040	T	0.50	0.04	L	9.8775	0.0028	0.026	112		9.84	9.92					1							G
85266	11.085	0.066	9.567	0.028		1.276	0.056	T	1.24	0.06	L	9.6430	0.0050	0.032	77		9.59	9.71					1							
85267	3.138	0.003	3.298	0.003		−0.150	0.002	G	−0.12	0.02	A	3.2710	0.0012	0.007	75		3.26	3.28		M	17254−5623	I 1	1							S
85268	7.210	0.006	6.540	0.006		0.619	0.010	G	0.69	0.01	H	6.5943	0.0007	0.008	103		6.58	6.61					1							S
85269	9.916	0.021	8.491	0.011		1.203	0.019	T	1.16	0.02	L	8.5177	0.0018	0.018	117		8.49	8.55					1							
85270											T *	11.4468	0.0068	0.056	69	*	11.34	11.49			17254−1643	H 1	2 C S B	AB	196	0.160	0.035	0.52	1.00	G
85271	9.955	0.024	7.962	0.010		1.652	0.021	T	1.67	0.02	L	7.8506	0.0025	0.023	86		7.82	7.88		U 2			1							
85272	9.897	0.016	9.168	0.013		0.654	0.016	T	0.72	0.01	L	9.2384	0.0021	0.024	179		9.19	9.28					1							
85273	7.792	0.009	7.284	0.009	*	0.477	0.012	T	0.55	0.01	L *	7.3322	0.0011	0.006	68	*	7.32	7.34			17254−0850	H 1	2 C C	AB	336	0.661	0.026	4.11	0.13	S
85274	8.732	0.009	7.435	0.005		1.103	0.008	T	1.07	0.01	L	7.4740	0.0010	0.011	162		7.45	7.49					1							S
85275	8.624	0.012	8.291	0.013		0.351	0.015	G	0.41	0.02	H	8.3511	0.0015	0.013	80		8.33	8.38		C			1							
85276	9.779	0.021	7.870	0.009		1.585	0.018	T	1.60	0.02	L	7.7890	0.0013	0.016	116		7.77	7.82					1							S
85277	9.218	0.021	8.958	0.025	*	0.248	0.031	T	0.28	0.04	L *	9.0111	0.0069	0.064	103	*	8.95	9.39	0.77	P 1 A	17255+5130	I 1	2 C A	AB	59	4.108	0.011	1.94	0.07	S
85278	7.046	0.007	6.843	0.007		0.194	0.009	T	0.21	0.01	L	6.8825	0.0011	0.007	72		6.87	6.90		C			1							S
85279	7.726	0.008	7.562	0.008		0.157	0.011	T	0.17	0.01	L	7.5949	0.0010	0.010	92		7.58	7.63		C			1							S
85280	10.212	0.025	8.694	0.013		1.276	0.022	T	1.24	0.02	L	8.6983	0.0019	0.019	117		8.67	8.73					1							
85281	10.658	0.053	10.078	0.050		0.580	0.015	G	0.65	0.01	H	10.0965	0.0035	0.025	71		10.06	10.15		C			1 G							G
85282	8.497	0.010	8.602	0.014		−0.091	0.015	T	−0.07	0.02	L	8.5685	0.0023	0.018	105		8.54	8.60					1							S
85283	10.016	0.032	9.066	0.024	*	0.837	0.030	T	0.86	0.02	L *	9.1952	0.0022	0.020	140	*	9.16	9.24		D	17256−5825	I 1	2 C A	AB	241	4.098	0.013	1.91	0.06	
85284	10.514	0.033	9.006	0.017		1.268	0.029	T	1.23	0.03	L	9.0102	0.0019	0.019	107		8.98	9.04		C			1							
85285	9.163	0.019	8.451	0.016		0.642	0.019	T	0.71	0.02	L	8.5023	0.0018	0.010	72		8.48	8.52		C			1							
85286	10.476	0.032	8.604	0.012		1.556	0.027	T	1.57	0.03	L	8.5884	0.0023	0.020	140		8.55	8.63					1							
85287	8.748	0.011	7.967	0.009		0.694	0.015	G	0.75	0.01	H	8.0255	0.0013	0.013	97		8.01	8.06		C			1							S
85288	10.445	0.043	9.193	0.026		1.068	0.039	T	1.03	0.03	L	9.1871	0.0031	0.018	71		9.15	9.22		C			1							
85289	7.081	0.005	6.683	0.005		0.377	0.007	T	0.44	0.01	L	6.7245	0.0011	0.009	81		6.71	6.74					1							S
85290	5.681	0.004	5.648	0.003		0.024	0.000	G	0.04	0.00	H	5.6663	0.0007	0.006	100		5.66	5.68		C			1							S
85291	10.117	0.029	8.340	0.012		1.480	0.025	T	1.50	0.04	L	8.3108	0.0023	0.017	97		8.29	8.34					1 S							
85292	11.036	0.070	9.463	0.029	*	1.319	0.060	T	1.28	0.07	L *	9.3066	0.0022	0.015	70	*	9.28	9.33		D	17257−2700	I 1	2 C A	AB	192	0.493	0.007	1.46	0.04	
85293	10.964	0.051	10.273	0.043		0.626	0.050	T	0.69	0.04	L	10.4003	0.0049	0.039	103		10.34	10.45					1							G
85294	8.807	0.009	7.583	0.006		1.040	0.015	G	1.01	0.01	H	7.6439	0.0015	0.015	161		7.62	7.67					1							S
85295	9.320	0.018	7.703	0.009		1.359	0.011	G	1.62	0.01	A	7.6288	0.0021	0.014	102		7.61	7.65					1							S
85296	9.019	0.014	8.707	0.015		0.296	0.019	T	0.34	0.03	L	8.7484	0.0024	0.015	83		8.73	8.78		C			1							
85297	12.438	0.190	11.037	0.086		1.184	0.164	T	1.14	0.15	L	11.3163	0.0073	0.089	156		11.09	11.48		U			1							G
85298	10.990	0.051	9.438	0.022		1.303	0.044	T	1.26	0.05	L	9.4602	0.0020	0.019	99		9.43	9.50		R			1							
85299	10.019	0.030	9.125	0.023		0.760	0.015	G	0.80	0.01	H	9.1704	0.0031	0.017	65		9.15	9.20		C			1							
85300	9.461	0.022	8.012	0.012		1.222	0.020	T	1.18	0.02	L	8.0432	0.0013	0.014	73		8.03	8.06		C			1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1 %	F2
1 2	h m s	±° ′ ″	mag	6 7	deg	deg	mas	mas/yr		mas		mas	mas/yr													
	3	4	5		8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
85301	17 25 52.19	−80 39 46.4	9.97	H	261.467 463 55	−80.662 879 93	6.77	−116.52	−169.67	0.87	1.12	1.26	0.89	1.37	− 6	−16	−11	−16	− 6	+14	− 2	+ 8	−17	−13	3	1.84
85302	17 25 54.37	+16 55 03.1	6.09	2 H	261.476 555 20	+16.917 537 62	5.00	−13.95	16.44	0.58	0.61	0.87	0.63	0.72	− 9	−24	−24	+ 6	+19	+ 7	+20	+ 5	+11	+ 4	2	2.19
85303	17 25 54.58	+33 59 52.1	8.01	H	261.477 407 72	+33.997 815 64	3.72	1.70	16.36	0.59	0.64	0.81	0.68	0.87	+ 6	−20	−12	− 7	+ 1	−14	− 5	− 8	+18	+ 0	0	−0.43
85304	17 25 54.61	+24 15 22.2	9.55	H	261.477 525 97	+24.256 168 32	3.59	3.48	−11.69	0.52	1.10	1.52	0.60	1.58	+10	− 3	−13	+ 2	−11	+ 2	−14	+16	− 8	+ 7	2	−0.20
85305	17 25 54.61	−34 51 04.6	8.78	H	261.477 539 63	−34.851 286 59	5.51	−4.32	−40.69	1.29	0.64	1.33	1.91	0.67	−14	−21	− 2	+28	+ 6	− 3	− 5	+ 2	+17	−30	0	−0.20
85306 H	17 25 55.34	−49 25 06.8	9.29	H	261.480 585 14	−49.418 543 24	1.99	0.58	−11.30	2.90	1.85	3.24	2.83	1.70	+ 9	−31	+17	+22	+24	+ 5	+24	− 5	−24	+18	3	0.84
85307	17 25 57.84	−01 39 06.9	6.44	H	261.491 000 49	−01.651 903 84	16.19	61.73	52.24	0.63	0.37	0.80	0.72	0.40	+17	−32	+ 3	+36	+44	− 9	+45	+28	−22	+29	0	−0.38
85308	17 25 58.88	−49 44 05.7	6.89	1 H	261.495 350 08	−49.734 910 02	1.55	0.84	−4.57	0.79	0.51	0.94	0.91	0.54	+ 4	−31	+21	+26	+14	+13	+18	+ 3	−14	+23	0	−0.39
85309	17 25 59.16	+77 06 54.5	8.47	H	261.496 499 95	+77.115 130 76	2.77	−12.66	20.33	0.65	0.50	0.67	0.74	0.70	+18	−12	− 7	+ 5	+22	+ 6	+27	− 1	− 8	+12	1	1.05
85310	17 25 59.35	+29 39 12.7	9.27	H	261.497 283 76	+29.653 535 02	0.43	−12.58	−12.05	0.77	0.94	1.22	0.83	1.11	+15	−35	−32	+ 7	+11	−21	− 3	−17	+21	− 3	0	−1.32
85311	17 25 59.46	−06 34 54.5	6.96	H	261.497 749 86	−06.581 800 58	5.70	−1.24	−13.38	0.98	0.56	1.16	1.06	0.60	+ 5	−50	−28	+11	+ 3	−24	+12	+53	−23	−13	3	−0.46
85312	17 26 00.03	−50 38 00.7	5.19	1 H	261.500 121 63	−50.633 532 05	8.19	15.80	9.18	0.81	0.52	0.88	0.87	0.57	− 5	−44	+15	+34	+ 7	+ 4	+ 8	+23	+ 0	+19	3	2.17
85313	17 26 00.86	+26 52 43.3	6.38	H	261.503 595 70	+26.878 685 18	4.82	7.88	20.28	0.43	0.53	0.74	0.55	0.71	+ 7	− 8	−21	− 7	+ 2	−13	− 2	− 3	+ 9	+10	1	0.04
85314	17 26 01.00	−44 56 38.5	11.41	H	261.504 165 61	−44.944 039 31	0.75	−179.89	−118.11	3.67	1.87	3.89	5.53	1.79	+ 6	− 2	+18	+41	+15	+ 0	+27	−27	+ 2	+35	8	1.56
85315	17 26 01.34	−23 10 17.4	8.19	G	261.505 575 08	−23.171 496 17	9.28	−64.45	−54.83	1.10	0.88	1.11	1.41	0.93	−42	−10	−24	+38	−54	+24	−42	+76	−30	−53	0	1.14
85316	17 26 04.72	−32 53 21.1	8.47	G	261.519 653 64	−32.889 192 83	2.83	−2.58	−6.87	1.07	0.53	1.16	1.11	0.53	−16	−42	− 2	+17	−11	+ 7	−11	+27	+ 4	−23	0	−1.04
85317	17 26 04.85	+58 39 06.7	6.49	H	261.520 195 25	+58.651 861 89	9.15	−8.81	13.74	0.54	0.53	0.56	0.72	0.66	+10	+19	− 1	+15	+16	+ 4	+12	+16	−13	+19	0	−0.81
85318	17 26 05.87	−27 35 58.3	7.49	H	261.524 469 08	−27.599 525 99	6.43	−9.03	−40.52	0.95	0.54	1.17	1.19	0.58	+ 3	−29	−20	− 5	−20	−40	−12	+31	+ 1	−40	2	1.12
85319	17 26 06.30	−37 36 35.1	8.34	H	261.526 241 02	−37.609 760 41	1.16	−1.34	−7.21	1.04	0.50	1.05	1.26	0.50	−15	−25	+ 4	+45	− 5	+ 5	− 8	+20	+ 9	−15	0	0.14
85320	17 26 06.87	−28 32 35.9	7.78	G	261.528 629 60	−28.543 313 90	8.71	−124.75	−115.60	1.03	0.58	1.14	1.09	0.60	−12	−33	+ 2	+ 5	−33	−20	−20	+40	− 7	−29	2	0.59
85321	17 26 07.80	+25 37 19.3	8.83	H	261.532 485 45	+25.622 015 16	2.54	−3.84	−19.82	0.62	0.90	1.26	0.79	1.18	+14	+ 6	−24	− 1	+10	−19	+ 8	− 5	+10	+31	0	1.02
85322	17 26 09.73	−34 33 26.6	8.79	H	261.540 554 11	−34.557 383 01	0.39	−0.52	−1.06	1.23	0.62	1.34	1.57	0.65	−22	−27	− 2	+ 3	+ 9	−21	+ 2	+ 0	+18	−40	0	0.11
85323	17 26 09.95	+46 51 30.7	8.37	H	261.541 440 71	+46.858 537 97	1.76	−11.77	14.08	0.75	0.77	0.83	0.86	0.97	+14	+ 2	+12	−25	− 5	− 7	− 6	+12	+ 7	+15	0	0.37
85324	17 26 11.98	−65 54 44.6	9.12	H	261.549 902 52	−65.912 381 34	−0.17	−1.06	−16.97	0.85	0.90	1.48	0.99	1.04	+31	−27	−20	+12	−29	+ 5	−25	+19	− 6	+13	0	0.83
85325	17 26 12.47	+02 04 57.8	8.50	H	261.551 946 64	+02.082 716 86	4.83	24.08	−35.72	1.82	1.26	1.97	1.50	1.04	−10	−26	− 8	+ 4	+17	−31	+14	+25	−18	+ 6	0	1.42
85326	17 26 13.20	−48 35 25.3	8.85	H	261.554 985 31	−48.590 349 12	21.20	27.89	−16.58	1.44	0.90	1.68	1.68	0.97	−13	−37	+10	+ 8	+ 7	+23	+ 5	+12	−13	+ 5	4	1.52
85327 H	17 26 13.76	+29 27 20.4	7.55	H	261.557 330 03	+29.455 658 95	4.86	−0.71	3.16	0.85	1.00	1.08	0.77	0.97	+14	−12	−19	+ 1	+12	−11	+ 7	− 9	+20	+ 8	3	1.74
85328	17 26 14.57	−73 09 04.7	8.75	H	261.560 704 89	−73.151 298 67	2.60	8.59	0.44	0.58	0.82	1.05	0.63	0.97	+ 9	− 5	− 2	− 1	− 4	− 4	− 6	−21	− 9	+ 0	0	−0.14
85329	17 26 15.79	−31 38 30.7	9.29	G	261.565 792 44	−31.641 849 74	−0.54	3.08	−1.71	1.27	0.72	1.44	1.52	0.76	− 9	−37	−18	− 3	−10	− 8	− 6	+22	+ 0	−33	0	−0.32
85330 H	17 26 17.21	+67 45 57.0	7.57	H	261.571 712 48	+67.765 838 40	6.02	1.63	21.79	0.55	0.52	0.54	0.58	0.62	+ 8	−10	+ 2	−35	−11	− 2	−14	− 2	− 8	+19	0	1.57
85331	17 26 17.34	−10 59 34.8	7.78	H	261.572 245 65	−10.992 997 13	2.76	−10.61	0.38	1.08	0.78	1.15	1.14	0.85	−30	−50	− 6	+21	−48	+14	−21	+76	−17	−58	0	−0.24
85332	17 26 18.50	−61 28 38.4	8.36	H	261.577 103 18	−61.477 331 07	4.49	−4.98	−26.60	0.68	0.66	1.06	0.81	0.76	− 4	−15	− 3	− 2	−17	+20	−15	− 7	−17	−27	0	−2.05
85333	17 26 19.01	+07 35 44.4	6.01	H	261.579 207 31	+07.595 669 29	3.95	0.02	−7.82	0.77	0.69	0.75	0.99	0.81	+ 6	−11	−16	+59	+17	+ 8	+36	+48	−10	+37	2	−1.68
85334	17 26 19.33	+62 29 58.0	9.87	H	261.580 553 01	+62.499 442 97	1.81	1.04	11.22	0.95	1.01	1.07	0.96	1.07	− 2	−21	+20	−16	−17	+ 1	−16	+ 0	− 9	+ 6	3	1.14
85335	17 26 19.37	+24 17 52.2	8.26	H	261.580 718 72	+24.297 836 82	−1.03	−7.15	3.37	0.45	0.79	1.12	0.57	1.16	+12	+ 4	−10	+16	+ 3	+ 3	+ 2	+26	+ 2	+16	2	−0.81
85336	17 26 19.66	−15 16 17.7	11.15	G	261.581 932 81	−15.271 579 35	−0.78	10.95	−7.75	2.25	1.65	2.32	3.13	1.81	−18	−21	+ 9	+24	−22	− 5	−17	+65	+ 2	−23	0	−0.12
85337	17 26 20.11	−48 50 02.9	8.53	H	261.583 785 81	−48.834 133 08	3.59	−7.48	−37.91	1.21	0.79	1.38	1.27	0.79	−18	−32	+14	+24	− 8	+14	+ 2	− 3	−25	− 6	0	0.05
85338	17 26 21.56	+03 40 11.8	10.70	G	261.589 847 14	+03.669 945 47	13.29	−151.27	11.36	1.75	1.32	2.12	2.17	1.49	+ 1	−28	+10	+36	+26	−12	+26	+41	−14	+11	0	0.49
85339	17 26 22.21	−67 20 48.4	8.79	H	261.592 534 71	−67.346 774 64	3.90	−3.87	−51.77	0.67	0.78	1.20	1.00	1.00	−20	−11	+ 1	+42	−32	+ 3	−28	+37	− 5	−19	0	−1.01
85340	17 26 22.22	−24 10 30.1	4.16	H	261.592 572 41	−24.175 023 46	38.96	−1.97	−117.69	0.85	0.61	0.87	0.91	0.64	−45	−30	−25	+28	−54	+ 8	−38	+62	−20	−72	0	0.98
85341	17 26 22.30	+23 07 26.6	9.70	H	261.592 917 63	+23.124 052 87	1.65	−2.28	11.76	0.74	1.10	1.55	0.88	1.70	+ 6	−18	−13	− 9	+31	+19	+38	+12	+16	+ 3	0	2.29
85342	17 26 22.42	−48 36 53.5	7.04	G	261.593 403 67	−48.614 854 38	21.51	43.45	−19.02	0.82	0.54	0.94	0.92	0.55	−20	−31	+10	+20	+ 7	+15	+12	−12	−17	−11	2	0.52
85343	17 26 22.83	+47 24 56.3	8.02	H	261.595 112 15	+47.415 644 92	2.92	−9.84	22.66	0.62	0.62	0.69	0.79	0.79	+ 0	− 7	+12	− 7	+13	+ 9	+10	+ 5	+ 0	+22	0	−3.19
85344	17 26 23.25	+22 06 35.5	8.81	2 H	261.596 888 25	+22.109 851 86	3.28	6.04	−21.15	0.73	0.95	1.22	1.14	1.57	−26	+ 2	−23	+16	+10	− 5	+10	+10	− 8	−34	0	−0.01
85345	17 26 24.05	+65 14 10.7	8.72	H	261.600 208 44	+65.236 302 85	1.87	−6.50	6.18	0.59	0.70	0.69	0.52	0.79	−10	−11	+ 9	−25	−16	− 2	−16	+ 8	− 3	−24	2	1.13
85346	17 26 24.73	+07 37 15.0	8.53	H	261.603 059 29	+07.620 842 35	2.97	1.95	−6.99	0.84	0.62	0.98	0.87	0.68	+ 2	−33	+ 4	+22	+19	+ 0	+19	+25	− 5	+10	0	−1.41
85347	17 26 25.32	−43 44 43.9	9.95	H	261.605 508 66	−43.745 516 67	−2.29	−1.88	−9.34	1.89	1.00	2.08	1.91	0.89	+10	−42	− 8	+ 9	−12	+ 3	− 8	−35	+ 4	+16	0	−0.38
85348	17 26 27.05	+30 48 15.5	8.22	H	261.612 719 37	+30.804 318 43	2.77	−4.97	−0.49	0.61	0.73	0.93	0.72	1.08	+ 2	−10	−18	+24	− 1	−17	− 7	+16	+10	−15	0	2.06
85349	17 26 27.30	+61 59 53.8	8.82	H	261.613 751 80	+61.998 283 23	6.34	−6.09	5.84	0.70	0.63	0.73	0.71	0.68	− 2	−22	+ 3	−32	−13	+ 1	−14	−28	+ 2	−14	0	−2.07
85350	17 26 27.34	+72 48 21.6	7.63	H	261.613 920 73	+72.805 994 95	4.43	−5.47	23.81	0.58	0.55	0.58	0.61	0.65	+16	−16	− 3	−20	+ 0	− 4	− 1	+13	− 9	+22	0	−0.71
85351	17 26 28.54	−46 12 27.3	9.53	H	261.618 927 96	−46.207 582 88	3.71	−96.59	−54.99	1.61	0.92	1.78	2.09	0.90	+ 5	−35	+ 8	+ 6	− 6	− 9	+ 4	−41	− 5	+30	0	1.91
85352	17 26 29.48	−37 06 43.9	7.56	H	261.622 841 64	−37.112 193 18	2.30	0.51	−12.62	0.81	0.46	0.88	0.99	0.48	−12	−21	− 3	+26	−14	− 4	−15	+18	+12	−21	0	0.32
85353	17 26 30.18	−62 30 50.4	8.69	H	261.625 740 65	−62.514 002 61	8.67	−12.13	−80.71	0.84	0.80	1.20	0.93	0.88	− 5	−21	+10	−27	−11	+ 5	− 7	−17	−18	− 1	0	−0.80
85354	17 26 30.07	−13 09 22.8	10.33	H	261.625 301 75	−13.156 321 61	17.03	129.68	−103.24	1.82	1.13	1.91	1.87	1.17	−31	−47	+10	+ 3	−13	− 3	−10	+55	− 4	−29	0	1.23
85355	17 26 30.88	+04 08 25.2	4.34	G	261.628 665 03	+04.140 342 39	2.78	1.25	7.09	0.77	0.47	0.92	0.76	0.53	+16	−49	− 1	+45	+29	−14	+39	+37	−30	+21	0	−0.09
85356	17 26 31.57	+00 49 19.6	6.86	H	261.631 524 82	+00.822 120 88	3.25	−5.76	2.59	0.70	0.50	0.82	0.88	0.55	+ 5	− 4	+ 0	+15	+40	+ 6	+36	+30	+ 5	+ 3	0	1.77
85357	17 26 31.92	−44 37 45.7	7.88	H	261.633 003 12	−44.629 360 18	0.86	3.27	−5.80	0.93	0.55	1.02	1.13	0.54	−10	−29	+17	+28	− 8	−11	+ 3	− 6	− 5	+18	2	−0.37
85358 H	17 26 33.14	−47 54 51.4	8.77	H	261.638 074 85	−47.914 290 93	1.07	5.22	−0.05	5.17	4.10	1.92	1.71	0.97	−62	−24	+ 9	+ 7	+ 7	+ 7	+12	−11	−16	+10	1	0.29
85359	17 26 34.57	−38 19 43.8	7.63	H	261.644 047 59	−38.328 846 68	3.39	−14.97	−22.16	1.07	0.52	1.14	1.31	0.53	− 7	−39	−18	+35	− 6	− 6	−13	+13	+12	−22	0	0.50
85360	17 26 34.88	−32 58 09.8	8.03	G	261.645 352 35	−32.969 376 67	22.67	−32.25	−123.63	1.49	0.67	1.48	1.47	0.73	− 2	−60	−18	+17	+14	+ 2	−24	− 9	+ 9	−46	0	0.33
85361 H	17 26 35.70	+27 13 51.4	7.69	G	261.648 749 51	+27.230 951 29	6.00	−0.53	29.11	2.66	3.03	1.20	0.89	1.28	− 8	− 7	−11	− 3	− 1	+ 7	− 2	−16	+ 2	+16	2	−0.41
85362	17 26 35.79	−49 53 33.0	7.87	H	261.649 106 12	−49.892 496 53	1.33	0.58	−6.33	0.90	0.58	1.07	1.03	0.61	+ 8	−31	+21	+37	+25	+19	+26	+15	−11	+25	0	0.59
85363	17 26 36.06	−62 55 22.8	6.96	H	261.650 250 66	−62.922 986 40	2.45	−13.26	−27.02	0.65	0.58	0.87	0.66	0.62	+12	−10	− 5	−42	−22	− 2	−20	−17	−22	+ 9	0	1.33
85364	17 26 37.51	−38 10 07.7	8.71	H	261.656 311 50	−38.168 795 51	9.27	44.41	−15.33	1.28	0.63	1.32	1.65	0.63	−19	−32	− 8	+39	− 8	− 1	−11	+11	+ 5	−26	0	0.28
85365	17 26 37.94	−05 05 11.4	4.53	G	261.658 062 71	−05.086 491 88	33.28	−91.53	−42.75	0.89	0.55	1.04	1.02	0.55	− 5	−42	+ 9	+20	+20	+33	+15	+55	− 6	− 7	0	0.91
85366	17 26 38.55	−40 37 57.8	10.47	H	261.660 642 71	−40.632 709 82	−0.20	−2.00	2.43	2.47	1.04	2.64	3.27	1.02	+ 0	−38	− 9	+31	−17	+31	−12	− 8	+20	+15	2	0.11
85367	17 26 39.43	−43 05 40.9	8.39	H	261.664 303 45	−43.094 691 79	1.41	2.62	−1.72	1.05	0.58	1.12	1.11	0.53	− 5	−24	+ 1	+20	− 7	+ 4	− 5	−21	+ 0	− 4	0	0.16
85368	17 26 39.95	−01 00 05.9	7.64	G	261.666 458 52	−01.001 634 09	6.76	16.21	−14.47	0.82	0.50	1.01	0.93	0.53	+ 1	−34	+ 3	+33	+38	−23	+39	+35	−19	+14	0	−0.41
85369 H	17 26 40.13	+56 21 11.2	8.97	H	261.667 229 12	+56.353 120 27	9.29	−14.58	64.35	1.31	1.43	1.28	1.37	1.59	+ 0	+ 0	+12	+27	+ 9	+14	+ 3	+21	+ 0	−16	1	1.15
85370	17 26 40.18	−62 07 15.2	8.26	H	261.667 422 83	−62.120 888 39	4.16	−10.16	−30.94	0.76	0.70	1.11	0.82	0.75	+ 0	−22	− 5	−34	−15	+12	− 8	−21	−18	−11	0	1.98
85371 H	17 26 40.49	+35 45 56.7	8.13	H	261.668 715 35	+35.765 761 32	1.86	10.04	−7.23	1.38	1.50	1.53	1.39	1.63	+12	−11	− 3	+21	+18	−18	+21	+18	+10	+25	2	0.61
85372	17 26 41.19	−34 05 32.4	7.63	H	261.671 614 71	−34.092 329 87	6.07	8.02	−11.43	0.94	0.48	1.05	1.05	0.49	−17	−45	+ 3	+ 7	− 2	−22	− 7	+ 9	+17	−33	0	0.26
85373	17 26 41.65	+31 03 33.4	9.67	H	261.673 558 05	+31.059 264 95	14.04	−358.82	73.89	0.83	0.94	1.26	0.96	1.36	− 5	−21	− 5	+14	+ 1	−23	− 4	+10	+19	−18	1	0.42
85374	17 26 41.69	+59 44 55.7	9.71	G	261.673 703 53	+59.748 809 10	1.37	2.66	−14.85	0.94	0.97	0.95	0.95	1.13	+23	+16	+ 8	−17	+10	− 3	+15	+29	+ 1	+12	4	−0.13
85375	17 26 42.24	−33 48 50.0	9.82	H	261.676 008 86	−33.813 902 52	3.86	−5.96	−1.91	1.52	0.77	1.65	1.81	0.80	−17	−38	+ 5	+ 5	−17	−20	−16	+16	+15	−35	0	−0.53
85376	17 26 42.59	−21 28 09.7	7.24	H	261.677 450 39	−21.469 360 03	−0.16	19.92	−22.01	0.99	0.58	1.10	1.08	0.59	+ 0	−40	−11	+ 7	−42	−13	−19	+52	−21	−24	0	−0.38
85377	17 26 43.26	−42 13 55.6	8.88	2 H	261.680 270 84	−42.232 120 48	1.55	−0.69	−2.63	1.18	0.60	1.22	1.37	0.58	+ 6	−22	− 1	+23	−12	+ 0	− 9	− 8	+ 4	+ 9	0	0.53
85378	17 26 43.44	+31 04 37.2	8.48	H	261.681 011 18	+31.077 011 61	14.51	−361.74	74.09	0.62	0.77	0.93	0.71	1.04	− 1	−12	−26	+27	+ 2	−14	− 2	+23	+ 7	−14	0	1.19
85379	17 26 44.24	+48 15 36.3	5.83	H	261.684 342 77	+48.260 072 18	8.98	0.22	−3.02	0.44	0.44	0.50	0.54	0.55	+ 5	− 2	+ 3	−13	+ 0	−22	− 1	+ 1	−11	+19	0	0.36
85380	17 26 45.67	−00 11 05.4	8.11	H	261.690 286 31	−00.184 846 94	3.27	0.07	−13.47	0.86	0.59	1.01	1.17	0.64	+ 4	− 2	− 1	+12	+46	+ 4	+38	+25	+ 9	+10	0	0.48
85381	17 26 45.96	+31 13 10.4	7.14	1 H	261.691 489 90	+31.219 554 43	13.64	7.50	−125.06	0.47	0.57	0.73	0.55	0.79	− 2	− 7	−13	+ 4	− 2	−22	− 4	+20	+12	−19	0	0.41
85382	17 26 46.17	+34 41 44.5	5.94	H	261.692 355 34	+34.695 696 98	11.63	−27.61	43.04	0.41	0.44	0.54	0.46	0.53	+ 0	−13	+ 3	− 5	+ 7	+ 0	+ 6	+ 0	+ 7	+14	1	−1.87
85383	17 26 48.46	−32 34 56.7	8.30	H	261.701 926 56	−32.582 408 06	2.28	−0.93	−1.71	1.16	0.55	1.25	1.22	0.55	−18	−46	− 6	+18	−12	+ 7	−13	+18	+ 4	−34	0	0.02
85384	17 26 48.95	+14 32 55.6	10.40	H	261.703 939 82	+14.548 790 99	−0.36	−0.03	2.75	1.59	1.71	2.09	1.51	2.10	+ 2	−22	− 8	+26	+51	− 9	+64	− 2	−14	+29	0	1.06
85385	17 26 49.13	+20 04 51.4	5.52	H	261.704 696 83	+20.080 937 84	6.94	0.16	16.11	0.50	0.53	0.81	0.63	0.68	+11	−25	−32	− 1	+ 9	−24	+ 5	+ 5	−16	+ 4	0	0.76
85386	17 26 49.13	−02 23 36.3	11.09	3 H	261.704 720 59	−02.393 407 07	−2.51	−6.64	−19.57	2.57	1.51	2.52	3.03	1.50	+13	+17	+26	+21	+64	+26	+60	+12	+13	+23	3	0.28
85387 H	17 26 50.77	−26 19 54.4	7.35	H	261.711 549 26	−26.331 780 52	2.81	−1.75	1.33	1.12	0.75	1.12	1.24	0.72	−14	−15	− 9	+17	− 6	+ 0	− 6	+54	− 4	− 6	1	−0.10
85388 H	17 26 51.45	−24 23 06.3	9.39	H	261.714 369 03	−24.385 084 65	8.89	−106.45	−172.31	5.01	2.47	3.02	3.43	1.93	−57	− 5	−20	+15	−40	+16	−20	+55	−30	−56	0	−0.37
85389 H	17 26 51.98	−45 50 34.7	5.28	G	261.716 597 76	−45.842 962 89	5.44	−6.43	−27.58	1.03	0.74	0.97	1.22	0.60	+11	−33	− 4	− 3	−10	− 7	− 3	−50	− 2	+37	1	1.26
85390	17 26 55.07	+02 20 41.8	8.88	H	261.729 457 14	+02.344 941 90	2.97	−2.07	2.70	1.04	0.76	1.31	1.12	0.85	−17	−26	+14	+ 9	+ 3	− 4	+10	+39	−17	−18	0	0.42
85391	17 26 55.30	−25 56 36.2	6.42	H	261.730 432 54	−25.943 397 33	7.71	−9.67	−26.79	0.78	0.46	0.85	0.83	0.47	−15	−30	+ 1	− 2	−18	−17	−10	+33	+ 2	−34	0	−0.17
85392	17 26 56.27	−49 20 33.5	8.62	H	261.734 473 74	−49.342 645 96	2.94	−20.52	−53.75	1.15	0.72	1.29	1.45	0.76	− 3	−21	+13	+32	+10	+21	+13	+ 4	− 7	+13	0	−0.42
85393	17 26 56.35	−51 56 55.6	6.17	H	261.734 774 83	−51.948 786 04	6.59	15.04	−13.52	0.72	0.54	0.85	0.77	0.56	−19	−40	− 5	+ 6	+16	−16	+11	−15	− 3	−41	0	0.71
85394	17 27 00.28	+57 49 00.4	8.29	H	261.751 163 57	+57.816 786 48	9.71	30.20	−12.76	0.89	0.69	0.76	1.24	0.81	+ 1	−12	+ 5	−48	+ 4	+24	− 1	− 6	−10	+ 7	0	1.27
85395	17 27 00.86	−25 16 17.5	9.49	H	261.753 596 42	−25.271 525 66	7.99	−7.16	−26.36	1.28	0.80	1.35	1.45	0.81	−11	−31	− 4	+19	−29	− 5	−19	+54	− 3	−30	0	1.30
85396	17 27 01.46	−29 13 55.8	10.49	G	261.756 092 88	−29.232 162 54	7.84	−63.61	−186.19	2.03	1.05	2.13	2.29	1.06	− 9	−44	−10	+28	−22	−12	−17	+37	− 2	−17	0	0.10
85397	17 27 02.12	−12 30 44.4	6.20	H	261.758 849 19	−12.512 334 41	22.08	41.02	−63.37	0.83	0.56	0.82	0.98	0.62	−44	−35	+ 1	+ 7	−25	+ 7	−19	+58	− 8	−50	2	1.13
85398	17 27 03.57	−47 08 11.4	7.14	G	261.764 872 86	−47.136 508 41	1.31	3.61	− 8.49	0.88	0.58	0.96	1.18	0.55	−22	−15	+10	+ 9	+

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
85301	10.738	0.033	10.045	0.029		0.640	0.036	T	0.70	0.03	L	10.1077	0.0035	0.035	143		10.04	10.16					1							G
85302	8.140	0.012	6.342	0.010		1.528	0.013	T	2.73	0.05	O	6.0578	0.0131	0.085	83		5.93	6.17	29.40	P 1 A	17259+1655	I 1	1 S						S
85303	8.166	0.009	8.016	0.010		0.144	0.013	T	0.16	0.01	L	8.0583	0.0016	0.015	116		8.04	8.08					1						S
85304	9.880	0.016	9.578	0.018		0.287	0.023	T	0.33	0.03	L	9.6199	0.0019	0.027	218		9.57	9.66					1						
85305	9.409	0.019	8.850	0.018		0.528	0.019	T	0.60	0.02	L	8.8922	0.0023	0.016	92		8.87	8.92					1						
85306	10.838	0.066	9.461	0.031	A	0.732	0.126	G	0.81	0.08	L *	9.4338	0.0036	0.026	77	*	9.39	9.47		D	17259−4925	I 1	2 C A	AB	112	4.278	0.022	2.03	0.09	
85307	6.966	0.004	6.494	0.003		0.457	0.004	T	0.53	0.00	L	6.5431	0.0005	0.006	178		6.53	6.55					1							S
85308	6.801	0.006	6.888	0.007		−0.060	0.015	G	−0.04	0.01	H	6.8800	0.0030	0.019	89		6.85	6.91		U 2			1							S
85309	9.782	0.018	8.587	0.012		1.023	0.017	T	1.00	0.01	L	8.6361	0.0021	0.015	107		8.61	8.66		C			1						
85310	9.379	0.015	9.298	0.019		0.080	0.023	T	0.09	0.03	L	9.3012	0.0025	0.030	133		9.26	9.36					1						
85311	7.222	0.006	6.993	0.008		0.218	0.009	T	0.24	0.01	L	7.0262	0.0009	0.006	71		7.02	7.04		C			1							S
85312	6.537	0.005	5.314	0.004		1.055	0.005	G	1.02	0.00	H	5.3546	0.0011	0.007	66		5.34	5.37		M	17260−5038	I 1	1							S
85313	6.518	0.003	6.390	0.003		0.124	0.004	T	0.14	0.00	L	6.4255	0.0008	0.009	157		6.41	6.44			17260+2653	I 1	1							S
85314											T	11.5622	0.0069	0.058	99		11.37	11.66					1							G
85315	8.735	0.013	8.236	0.013		0.478	0.015	G	0.55	0.02	H	8.2850	0.0015	0.011	68		8.26	8.31					1						
85316	8.616	0.013	8.522	0.016		0.236	0.015	G	0.26	0.02	H	8.5073	0.0021	0.013	84		8.48	8.53		C			1						
85317	6.668	0.004	6.510	0.005		0.139	0.001	G	0.15	0.00	H	6.5421	0.0007	0.007	89		6.53	6.55		C			1							S
85318	7.591	0.009	7.517	0.010		0.067	0.012	T	0.08	0.01	L	7.5194	0.0011	0.010	73		7.50	7.54		C	17261−2736	I 1	1							S
85319	8.416	0.011	8.354	0.013		0.079	0.004	G	0.09	0.00	H	8.3697	0.0020	0.016	106		8.34	8.40					1						
85320	8.912	0.015	7.900	0.011		0.869	0.001	G	0.88	0.00	H	7.9387	0.0011	0.010	78		7.92	7.96		C			1						
85321	10.391	0.023	8.948	0.012		1.217	0.020	T	1.18	0.02	L	8.9920	0.0019	0.021	160		8.96	9.03					1						
85322	9.233	0.017	8.827	0.018		0.384	0.023	T	0.45	0.03	L	8.8769	0.0018	0.016	101		8.85	8.91		C			1						
85323	9.657	0.020	8.465	0.013		1.021	0.019	T	0.99	0.02	L	8.5329	0.0020	0.016	100		8.51	8.56		C			1							S
85324	10.449	0.023	9.244	0.013		1.031	0.021	T	1.00	0.02	L	9.2924	0.0019	0.022	217		9.25	9.33					1 S						
85325	10.061	0.024	8.638	0.013	A	1.201	0.021	T	1.16	0.02	L	8.6670	0.0089	0.020	107	A	8.64	8.70		C	17262+0205	I 1	2 C A	AB	200	12.136	0.031	2.84	0.12	
85326	9.861	0.031	8.944	0.023		0.810	0.015	G	0.85	0.01	H	8.9920	0.0039	0.021	66		8.96	9.02					1 G							
85327	7.948	0.007	7.541	0.007	*	0.287	0.004	G	0.33	0.01	R *	7.6203	0.0017	0.018	144	*	7.59	7.65		D	17262+2927	I 1	2 C A	AB	60	9.791	0.008	2.02	0.03	S
85328	8.811	0.008	8.737	0.010		0.067	0.012	T	0.08	0.01	L	8.7771	0.0020	0.020	186		8.74	8.82					1							
85329	11.176	0.072	9.401	0.025		1.460	0.015	G	1.47	0.02	H	9.4263	0.0024	0.016	75		9.40	9.46		C			1							G
85330	7.861	0.008	7.608	0.009	*	0.241	0.011	T	0.27	0.01	L *	7.6386	0.0009	0.008	100	*	7.63	7.65		D	17263+6746	I 1	2 C S B	AB	352	0.111	0.009	0.91	0.65	S
85331	7.921	0.008	7.823	0.013		0.096	0.014	T	0.11	0.01	L	7.8196	0.0019	0.011	64		7.80	7.85		C			1							S
85332	8.549	0.009	8.372	0.010		0.170	0.013	T	0.19	0.01	L	8.4195	0.0016	0.015	129		8.40	8.45		C			1							
85333	6.745	0.006	6.126	0.004		0.592	0.017	G	0.81	0.03	C	6.1608	0.0007	0.006	97		6.15	6.17					1 O							S
85334	11.387	0.067	10.003	0.032		1.171	0.058	T	1.13	0.05	L	10.0409	0.0026	0.026	107		9.98	10.08					1							
85335	9.901	0.015	8.390	0.008		1.271	0.013	T	1.23	0.01	L	8.4206	0.0015	0.015	212		8.39	8.45					1							
85336	12.160	0.261	11.314	0.224		1.200	0.144	G	1.16	0.14	H	11.1379	0.0061	0.037	77		11.08	11.20					1 S							G
85337	9.831	0.032	8.672	0.021		0.995	0.030	T	0.97	0.02	L	8.6959	0.0026	0.018	63		8.66	8.73					1							
85338	11.636	0.123	10.778	0.089		1.011	0.020	G	1.06	0.02	I	10.8460	0.0052	0.034	84		10.80	10.91		C			1							G
85339	9.346	0.011	8.832	0.011		0.483	0.014	T	0.55	0.01	L	8.8943	0.0016	0.019	186		8.85	8.93					1							
85340	4.513	0.003	4.195	0.003		0.283	0.003	G	0.30	0.02	A	4.2332	0.0005	0.004	60		4.23	4.25		C			1							S
85341	9.900	0.016	9.696	0.020		0.195	0.024	T	0.21	0.03	L	9.7613	0.0024	0.028	199		9.71	9.83					1							
85342	7.615	0.009	7.095	0.009		0.482	0.006	G	0.55	0.01	H	7.1456	0.0012	0.007	67		7.13	7.16		C			1							S
85343	9.264	0.014	8.119	0.009		0.984	0.013	T	0.96	0.01	L	8.1814	0.0014	0.013	123		8.15	8.21					1							
85344	10.969	0.042	9.002	0.014		1.667	0.036	T	1.99	0.09	O	8.8883	0.0035	0.037	153		8.84	8.95		U 2			1							
85345	9.982	0.022	8.820	0.014		0.997	0.020	T	0.98	0.02	L	8.8854	0.0015	0.013	91		8.86	8.91		C			1							
85346	8.612	0.011	8.513	0.014		0.097	0.017	T	0.11	0.02	L	8.5645	0.0017	0.013	94		8.55	8.59		C			1							
85347	11.394	0.087	10.189	0.048		1.031	0.078	T	1.00	0.06	L	10.1199	0.0038	0.031	100		10.07	10.17					1 S							G
85348	10.123	0.022	8.370	0.010		1.461	0.019	T	1.47	0.03	L	8.3545	0.0017	0.017	131		8.33	8.38		C			1							
85349	9.089	0.013	8.834	0.015		0.243	0.019	T	0.27	0.02	L	8.8911	0.0018	0.016	98		8.87	8.92					1							
85350	8.802	0.012	7.721	0.008		0.935	0.011	T	0.93	0.01	L	7.7879	0.0012	0.011	109		7.77	7.80		C			1							S
85351	10.839	0.055	9.664	0.030		1.008	0.049	T	0.98	0.04	L	9.7008	0.0019	0.022	95		9.67	9.74					1							G
85352	9.825	0.022	7.787	0.009		1.688	0.019	T	1.71	0.02	L	7.6660	0.0018	0.014	103		7.65	7.69					1							
85353	9.198	0.016	8.753	0.016		0.434	0.018	T	0.50	0.02	L	8.7883	0.0018	0.019	127		8.75	8.83		C			1							
85354	11.568	0.108	10.438	0.063		0.972	0.097	T	0.96	0.08	L	10.4991	0.0029	0.026	73		10.45	10.56					1							G
85355	6.285	0.005	4.497	0.003		1.480	0.600	G	1.44	0.02	A	4.4833	0.0010	0.008	72		4.47	4.49					1							S
85356	8.553	0.009	7.015	0.005		1.292	0.008	T	1.25	0.01	L	7.0118	0.0012	0.009	119		7.00	7.03					1							S
85357	7.812	0.008	7.859	0.011		−0.044	0.003	G	−0.03	0.02	A	7.8674	0.0020	0.016	113		7.84	7.89					1							S
85358	10.429	0.040	8.947	0.020	*	1.248	0.035	T	1.21	0.03	L *	8.9280	0.0020	0.018	78	*	8.90	8.96		D	17266−4755	H 1	2 C A	AB	246	0.204	0.017	0.23	0.27	
85359	9.399	0.023	7.806	0.012		1.335	0.020	T	1.30	0.02	L	7.7829	0.0011	0.011	95		7.76	7.80		C			1							
85360	8.826	0.014	8.105	0.012		0.670	0.015	G	0.73	0.01	H	8.1438	0.0018	0.012	86		8.12	8.17					1 G							
85361	8.029	0.007	7.727	0.007	*	0.299	0.015	G	0.34	0.02	H *	7.7637	0.0016	0.016	166	*	7.74	7.79			17266+2714	H 1	2 C C	AB	334	0.246	0.044	2.79	0.48	S
85362	7.797	0.009	7.870	0.011		−0.062	0.013	T	−0.04	0.01	L	7.8571	0.0011	0.012	87		7.84	7.88		C			1							S
85363	8.643	0.013	7.120	0.007		1.280	0.012	T	1.24	0.01	L	7.1197	0.0010	0.009	105		7.10	7.13		C			1							S
85364	9.217	0.016	8.732	0.016		0.469	0.017	T	0.54	0.02	L	8.8147	0.0019	0.013	93		8.79	8.84		C			1							
85365	4.990	0.004	4.577	0.002		0.385	0.010	G	0.46	0.02	A	4.6189	0.0006	0.004	52		4.61	4.63		C			1							S
85366	10.884	0.057	10.482	0.071		0.380	0.084	T	0.44	0.09	L	10.5556	0.0048	0.033	83		10.51	10.61		C			1							G
85367	10.049	0.026	8.551	0.014		1.260	0.023	T	1.22	0.02	L	8.5469	0.0016	0.015	98		8.52	8.57		C			1							
85368	8.023	0.008	7.671	0.008		0.359	0.015	G	0.42	0.02	H	7.7255	0.0010	0.011	122		7.71	7.75		C			1							S
85369	9.801	0.022	9.135	0.020	*	0.617	0.025	T	0.69	0.02	L *	9.0974	0.0024	0.018	111	*	9.06	9.13		D	17267+5621	I 1	2 C A	AB	234	1.066	0.007	1.43	0.03	
85370	9.869	0.022	8.415	0.012		1.226	0.020	T	1.18	0.02	L	8.4275	0.0020	0.017	128		8.40	8.46					1							
85371	8.746	0.013	8.080	0.013	*	0.617	0.015	T	0.69	0.01	L *	8.2549	0.0014	0.014	119	*	8.23	8.28		R	17267+3546	I 1	2 C A	AB	201	2.325	0.004	0.33	0.02	
85372	7.587	0.008	7.626	0.009		−0.031	0.011	T	−0.01	0.01	L	7.6254	0.0015	0.011	96		7.61	7.64					1							S
85373	10.447	0.034	9.724	0.028		0.840	0.015	G	0.88	0.01	H	9.8091	0.0025	0.022	127		9.76	9.84		C	17267+3104	I 2	1							
85374	9.543	0.022	9.744	0.034		−0.131	0.015	G	−0.12	0.02	H	9.6806	0.0027	0.020	87		9.65	9.73		C			1							
85375	10.465	0.040	9.890	0.038		0.540	0.041	T	0.61	0.04	L	9.9447	0.0028	0.021	95		9.91	9.98		C			1							G
85376	9.362	0.023	7.436	0.010		1.599	0.020	T	1.62	0.02	L	7.3524	0.0014	0.011	77		7.33	7.37					1							
85377	9.019	0.013	8.940	0.016		0.228	0.015	G	0.25	0.02	H	8.9448	0.0019	0.024	101		8.92	9.05		U 2			1							
85378	9.214	0.014	8.541	0.012		0.626	0.003	G	0.69	0.00	H	8.6135	0.0016	0.016	128		8.58	8.65		C	17267+3104	I 2	1							
85379	5.993	0.003	5.849	0.003		0.121	0.002	G	0.14	0.00	H	5.8794	0.0006	0.006	111		5.87	5.89					1							S
85380	9.534	0.017	8.252	0.011		1.091	0.016	T	1.05	0.02	L	8.2740	0.0013	0.013	109		8.25	8.30		C			1							
85381	7.667	0.006	7.193	0.007		0.483	0.001	G	0.55	0.00	H	7.2472	0.0009	0.010	127		7.23	7.27		M			1							S
85382	5.934	0.003	5.932	0.003		−0.017	0.001	G	0.01	0.00	H	5.9463	0.0006	0.006	136		5.94	5.96		C			1							S
85383	9.162	0.017	8.438	0.014		0.665	0.018	T	0.73	0.01	L	8.4398	0.0016	0.014	89		8.42	8.46		C			1							
85384	11.713	0.131	10.349	0.066		0.673	0.100	G	0.73	0.08	R	10.5421	0.0037	0.032	58		10.48	10.60		C			1							G
85385	5.358	0.003	5.497	0.003		−0.119	0.004	T	−0.10	0.01	L	5.4821	0.0005	0.005	94		5.47	5.49		C			1							S
85386	11.949	0.100	10.944	0.065		0.878	0.089	T	0.89	0.07	L	11.2493	0.0676	0.374	162		10.67	11.65		U 2 C			1 V							G P
85387	7.675	0.014	7.352	0.018	*	0.307	0.022	T	0.35	0.03	L *	7.4282	0.0011	0.010	75	*	7.41	7.45		D	17268−2620	I 1	2 C A	AB	323	4.034	0.009	2.45	0.03	S
85388	10.291	0.044	9.434	0.035	*	0.752	0.043	T	0.80	0.03	L *	9.5310	0.0027	0.018	71	*	9.48	9.56		D	17269−2423	I 1	2 C A	AB	101	0.444	0.013	1.09	0.11	G
85389	5.507	0.026	5.585	0.026	A	−0.058	0.007	G	−0.05	0.02	A *	5.2627	0.0008	0.006	96	*	5.25	5.27		D	17268−4550	I 1	2 C A	AB	253	2.115	0.003	0.76	0.01	S
85390	10.670	0.038	9.006	0.017		1.391	0.033	T	1.36	0.04	L	9.0232	0.0020	0.020	94		8.99	9.05		R			1							
85391	6.355	0.004	6.397	0.006		−0.055	0.005	G	−0.03	0.01	H	6.4053	0.0009	0.006	72		6.40	6.42		C			1							S
85392	9.117	0.019	8.660	0.019		0.431	0.025	T	0.50	0.03	L	8.7218	0.0022	0.017	73		8.69	8.75					1							
85393	6.126	0.005	6.172	0.007		−0.039	0.007	T	−0.02	0.01	L	6.1686	0.0008	0.007	70		6.16	6.18					1							S
85394	8.830	0.012	8.335	0.011		0.466	0.015	T	0.54	0.02	L	8.3939	0.0016	0.013	97		8.38	8.42		C			1 G							
85395	10.317	0.043	9.644	0.039		0.612	0.044	T	0.68	0.04	L	9.6233	0.0034	0.018	65		9.59	9.65		C			1							G
85396	11.543	0.145	10.716	0.118		0.720	0.003	G	0.77	0.00	H	10.6207	0.0041	0.031	88		10.57	10.67		C			1							G
85397	6.808	0.005	6.264	0.004		0.517	0.005	T	0.59	0.01	L	6.3180	0.0008	0.006	75		6.31	6.33		C			1							S
85398	7.085	0.005	7.140	0.007		−0.050	0.015	G	−0.03	0.01	H	7.1371	0.0010	0.010	98		7.12	7.15					1							S
85399	11.097	0.050	9.573	0.022		1.281	0.043	T	1.24	0.04	L	9.6374	0.0025	0.024	131		9.60	9.68		C			1							
85400	9.343	0.018	8.665	0.016		0.637	0.015	G	0.70	0.01	H	8.7485	0.0017	0.014	88		8.72	8.77					1							

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%) δ α*	π α*	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
85401	17 27 04.13	+51 53 14.4	8.16	H	261.767 214 31	+51.887 347 00	1.78	6.24	−1.04	0.63	0.64	0.68	0.65	0.73	+ 8	+ 3	+ 8	+ 0	+13	− 8	+16	+12	− 1	+ 3	0	−0.54
85402	17 27 06.69	+21 43 10.5	8.02	H	261.777 868 51	+21.719 589 38	16.80	−33.18	−2.86	0.56	0.74	1.10	1.01	1.19	−23	+ 9	−30	+37	+ 5	+ 1	+ 6	+27	+ 4	− 8	0	−1.31
85403	17 27 07.06	−71 55 37.8	8.31	H	261.779 426 48	−71.927 155 46	2.80	−3.80	−12.04	0.46	0.74	0.97	0.51	0.99	+ 8	+ 2	− 7	+ 7	−10	−11	−14	+18	−20	+10	0	0.18
85404	17 27 09.17	+55 22 43.5	8.93	H	261.788 190 03	+55.378 755 94	3.08	−9.00	10.36	0.77	0.76	0.81	0.84	0.88	+ 8	+ 7	+11	+21	+10	+ 1	+ 8	+11	−13	− 7	0	1.50
85405	17 27 09.89	−15 51 12.0	6.48	H	261.791 189 23	−15.853 339 77	6.99	−6.12	−8.45	0.82	0.56	0.87	0.93	0.60	−24	−34	−11	+22	−41	− 7	−27	+63	− 7	−50	4	0.43
85406	17 27 10.91	+50 17 00.5	10.15	H	261.795 464 51	+50.283 476 77	1.93	0.12	−9.44	1.10	1.22	1.26	1.14	1.43	+ 3	−10	+ 6	+13	+17	−14	+21	+12	−10	− 2	1	1.75
85407	17 27 11.43	−61 05 16.9	11.24	H	261.797 645 38	−61.088 025 56	8.26	1.33	−1.38	4.92	4.66	7.44	5.80	5.46	+19	−24	−23	−28	−18	+19	−15	−27	+ 4	− 2	1	
85408	17 27 12.02	−07 18 59.8	8.38	G	261.800 078 14	−07.316 602 21	16.10	−140.24	−130.57	1.11	0.74	1.12	1.37	0.79	+ 6	−26	−13	+23	+18	+ 7	+17	+59	− 5	− 2	3	−1.62
85409	17 27 12.46	−50 37 49.3	5.90	H	261.801 919 59	−50.630 365 60	1.95	3.04	−1.93	0.82	0.54	0.92	0.88	0.59	+ 2	−45	+15	+31	+17	+ 7	+23	+19	−12	+27	2	0.17
85410	17 27 12.65	−13 19 36.7	9.66	H	261.802 724 60	−13.326 869 06	5.31	−3.44	−12.86	1.73	1.01	1.77	1.61	1.01	−35	−58	+14	+ 9	− 8	+ 9	−10	+59	− 2	−26	0	2.21
85411	17 27 12.83	−39 29 09.8	9.40	H	261.803 469 41	−39.486 051 07	3.33	10.09	−0.71	1.39	0.71	1.53	1.53	0.70	+13	−40	−15	+16	− 2	−15	− 9	− 3	+10	−14	0	0.02
85412 H	17 27 13.55	−48 32 39.6	9.80	H	261.806 445 86	−48.544 335 74 *	10.04	−0.69	−24.93	4.81	3.18	3.02	2.27	1.34	+ 7	−52	+16	+12	+ 2	− 3	+26	−19	−33	+11	1	−0.47
85413 H	17 27 13.88	−29 56 31.2	9.00	H	261.807 814 83	−29.942 003 98 A	9.04	36.17	−143.86	2.50	1.50	2.36	2.43	1.31	− 8	−18	−15	+13	−35	− 5	−24	+33	−20	−39	2	0.27
85414	17 27 13.88	+42 13 05.0	8.31	H	261.807 835 00	+42.218 066 90	19.71	75.77	−5.80	0.58	0.60	0.68	0.64	0.73	+ 2	−16	− 4	− 4	+ 0	+ 6	+ 1	+15	− 5	+ 1	1	1.16
85415	17 27 16.07	−60 14 19.3	8.82	H	261.816 970 07	−60.238 696 76	3.18	5.18	−4.38	0.81	0.75	1.16	1.05	0.92	+10	− 6	+17	−34	−24	+ 6	−23	−31	−18	+ 9	0	1.36
85416	17 27 16.27	−00 15 09.6	9.66	G	261.817 791 45	−00.252 663 41	16.71	−81.61	−167.95	1.31	0.87	1.49	1.78	0.97	+18	−21	−11	+32	+41	−21	+35	+45	− 4	+ 8	0	0.59
85417	17 27 16.75	+70 53 14.6	9.49	H	261.819 782 17	+70.887 393 00	3.62	−0.95	11.08	0.81	0.84	0.87	0.85	0.93	+ 6	−13	−20	− 2	+19	−10	+19	+21	−15	+ 7	3	−0.51
85418	17 27 16.97	−02 23 35.3	8.47	H	261.820 690 77	−02.393 152 66	8.18	−0.86	−15.64	0.90	0.53	1.14	1.10	0.55	+17	−22	+10	+30	+51	− 3	+47	+30	−11	+29	0	−1.48
85419	17 27 17.03	+17 53 51.2	7.39	H	261.820 977 72	+17.897 562 21	6.92	15.68	−8.29	0.60	0.70	1.02	0.72	0.85	−26	+ 3	−17	+ 6	+17	+27	+25	− 2	+10	+ 5	2	1.09
*85420	17 27 19.05	−65 00 07.4	8.03	2 H	261.829 376 96	−65.002 066 35	5.51	6.36	−3.21	0.57	0.61	0.97	0.66	0.77	+13	−15	− 7	+ 5	−16	+11	−14	+23	−18	+13	1	0.47
*85421	17 27 19.04	−57 06 15.3	8.33	H	261.829 322 81	−57.104 247 76	2.40	−8.60	−25.48	0.79	0.70	1.06	0.99	0.78	−33	− 1	− 4	− 9	− 6	+17	− 4	−31	− 4	−35	3	−0.87
85422	17 27 20.91	−32 32 47.1	8.38	H	261.837 142 53	−32.546 409 57	10.97	−71.26	−56.46	1.14	0.55	1.24	1.18	0.54	−18	−45	− 9	+17	−17	+ 7	−16	+16	+ 4	−33	0	−0.68
85423	17 27 21.26	−29 52 00.1	4.28	H	261.838 600 10	−29.866 699 42	29.26	14.38	−137.41	0.78	0.48	0.86	0.79	0.48	−22	−34	− 9	+ 3	−36	−22	−24	+33	− 5	−54	0	−0.98
85424	17 27 21.39	−47 56 29.0	8.50	H	261.839 123 24	−47.941 400 14	0.04	−6.93	−0.45	2.48	1.66	2.85	2.64	1.50	−18	−43	+12	+11	+14	−11	+17	−48	− 6	− 8	0	
85425	17 27 22.08	−38 03 41.1	7.88	H	261.842 011 47	−38.061 422 18	32.04	−172.47	−11.54	1.26	0.56	1.24	1.37	0.55	−21	−46	+ 5	+50	−15	− 3	−15	+23	+ 8	−16	0	1.34
85426	17 27 22.82	−20 31 01.2	8.76	H	261.845 079 79	−20.517 010 42	13.90	−11.11	−19.14	1.19	0.76	1.27	1.63	0.79	+ 4	−28	− 9	+11	−30	−14	−11	+58	−15	−15	0	−0.36
85427	17 27 23.20	+18 07 48.9	8.01	H	261.846 670 94	+18.130 241 25	4.06	11.56	13.97	0.72	0.78	1.16	0.89	1.07	− 8	−17	−15	+10	+16	+15	+18	+ 6	+11	−15	0	−2.20
85428	17 27 23.76	+06 31 01.1	8.89	H	261.848 980 41	+06.516 981 30	3.97	−7.14	−14.84	0.96	0.75	1.11	1.11	0.83	+29	−19	− 1	+34	+42	− 1	+39	+31	+ 5	+41	0	−1.36
85429	17 27 25.94	+04 13 39.1	12.34	3 H	261.858 063 62	+04.227 516 87 *	19.97	19.90	−3.20	10.76	8.82	12.02	15.12	6.93	−13	−18	+24	− 5	+40	+82	+16	+51	+13	+42	9	1.77
85430	17 27 26.87	+49 44 41.7	8.65	H	261.861 969 88	+49.744 909 76	2.17	4.40	−10.52	0.64	0.79	0.75	0.72	0.90	− 8	− 9	+ 5	+14	+10	+ 0	+11	+23	− 9	− 6	0	0.87
85431	17 27 28.64	+10 38 07.0	8.49	H	261.869 342 62	+10.635 291 11	2.97	−18.89	−2.42	0.95	0.82	1.22	1.25	1.11	+20	−12	− 5	+27	+21	+ 9	+29	+ 4	− 4	+47	0	1.33
85432	17 27 29.34	+35 43 13.4	7.87	H	261.872 244 56	+35.720 392 45	7.28	3.45	46.42	0.56	0.58	0.71	0.63	0.69	+ 5	−16	− 8	+20	+ 9	−21	+ 9	+11	− 3	+11	0	−1.42
85433	17 27 31.63	+32 47 11.4	8.31	G	261.881 807 14	+32.786 493 40	8.75	−8.29	48.31	0.59	0.69	0.83	0.66	0.91	+16	− 4	+ 1	+26	+17	− 6	+ 9	+12	+15	+ 7	0	0.72
85434 H	17 27 32.79	+16 27 24.5	7.24	H	261.886 630 57	+16.456 801 87 A	12.99	−3.17	26.49	0.90	0.92	1.10	0.80	0.97	+22	−28	−20	+29	+25	−13	+15	−10	+16	− 3	1	0.41
85435	17 27 33.57	−53 13 21.0	7.07	2 H	261.889 894 74	−53.222 494 15	5.18	−4.75	−2.61	0.74	0.59	0.88	0.82	0.64	+ 8	−22	−13	− 1	+ 2	+ 0	+ 5	− 7	−18	+ 3	0	0.45
85436	17 27 34.65	+26 47 39.4	7.69	H	261.894 365 17	+26.794 291 30	33.36	−101.27	275.33	0.53	0.66	0.92	0.63	0.85	+ 6	− 7	−12	−12	− 1	−11	+ 0	+ 5	−13	− 2	0	−1.15
85437	17 27 35.04	+27 01 29.0	8.70	G	261.895 984 69	+27.024 732 74	19.64	−9.68	370.41	0.67	0.86	1.14	0.80	1.08	+25	−12	−18	− 1	+ 3	+ 1	+ 3	+ 7	− 4	+27	0	−1.47
85438	17 27 35.64	−35 05 36.1	9.57	H	261.898 504 07	−35.093 349 22	2.27	−0.72	−3.68	1.72	0.83	1.71	2.69	0.88	− 6	−14	+ 1	+36	+ 7	+ 3	− 8	−10	+21	−26	4	1.23
85439	17 27 35.91	−51 30 11.7	9.86	G	261.899 636 47	−51.503 258 21	5.42	1.00	−23.65	1.65	1.09	1.96	1.88	1.08	+11	−24	−13	− 2	+ 4	−29	+ 5	− 8	−18	+12	0	−2.89
85440 H	17 27 37.26	−24 40 04.3	8.89	H	261.905 264 40	−24.667 862 00 A	1.73	−1.48	−4.38	2.30	1.95	1.94	2.51	1.52	−10	+14	−24	+46	−31	+34	−33	+63	−32	−33	3	−0.05
85441	17 27 37.38	−15 58 02.1	10.02	G	261.905 754 98	−15.967 242 91	3.14	1.86	−15.30	1.52	0.97	1.68	1.77	1.03	− 7	−39	−22	+15	−38	− 6	−20	+57	−12	−40	0	1.41
85442	17 27 37.56	−29 43 28.2	5.98	H	261.906 488 05	−29.724 489 60	5.44	−8.10	−31.72	0.78	0.46	0.86	0.80	0.46	−21	−39	− 9	+ 6	−32	−21	−22	+34	− 3	−47	0	0.66
85443 H	17 27 37.72	+05 00 45.1	8.94	H	261.907 186 52	+05.012 528 73 A	3.92	−23.39	4.00	10.96	2.40	1.81	1.82	1.29	−51	− 3	−17	+ 4	+16	−13	+ 8	+ 4	−11	− 7	0	−0.64
85444	17 27 41.09	+57 30 37.7	8.37	G	261.921 193 24	+57.510 464 72	6.45	−12.35	13.52	0.70	0.66	0.71	0.77	0.75	+ 7	+15	+16	−23	+ 0	− 4	− 3	− 3	− 2	+21	0	0.37
85445	17 27 41.39	−37 11 08.1	6.67	H	261.922 460 44	−37.185 596 98	4.11	−5.37	−6.47	0.79	0.43	0.83	0.90	0.44	+ 3	−26	− 6	+41	− 5	+ 3	− 7	+25	+12	− 2	0	1.04
85446	17 27 42.63	−19 13 24.2	8.89	H	261.927 605 17	−19.223 394 00	2.73	−9.58	−52.63	1.41	0.88	1.52	1.75	0.97	−15	−45	−24	+33	−40	− 4	−24	+64	−11	−52	0	−1.65
85447	17 27 43.02	−47 47 06.5	9.65	H	261.929 242 10	−47.785 130 98	14.42	−16.34	10.98	1.63	0.98	1.79	1.81	0.88	−16	−43	+19	+18	+23	+ 2	+28	−46	− 9	+ 6	0	0.92
85448	17 27 43.69	−63 15 49.3	7.35	1 H	261.932 028 11	−63.263 684 53	2.14	3.56	4.27	0.65	0.65	0.95	0.69	0.72	+ 4	−13	−11	−24	−13	+ 4	−12	− 4	−19	+ 7	0	1.16
85449	17 27 43.92	−03 07 30.9	8.22	H	261.933 012 10	−03.125 236 73	2.87	−2.34	−3.90	0.90	0.50	1.05	1.01	0.50	+31	−34	−17	+25	+43	−11	+40	+34	−17	+28	0	0.30
85450	17 27 44.07	+08 26 31.7	6.42	2 H	261.933 621 95	+08.442 141 44	3.96	13.08	−42.11	0.66	0.52	0.82	0.68	0.58	+ 3	−30	+ 6	+22	+34	+13	+36	+20	−10	+10	0	0.07
85451	17 27 44.21	+13 36 39.4	9.72	H	261.934 212 82	+13.610 953 36	8.75	1.83	−35.82	1.40	1.32	1.65	1.34	1.63	+35	+ 0	+ 8	+44	+58	+28	+66	+36	+10	+42	0	−0.66
85452	17 27 45.67	+15 24 37.4	8.48	H	261.940 284 23	+15.410 378 88	3.58	−5.01	7.41	0.90	0.96	1.12	0.95	1.10	+26	− 8	−19	+38	+41	+ 1	+47	+ 4	+11	+41	0	0.88
85453	17 27 45.73	−28 21 31.6	8.08	H	261.940 525 72	−28.358 774 69	2.10	−3.73	−14.17	0.95	0.58	1.07	1.34	0.62	− 7	−18	−22	+10	−16	−18	−13	+35	+ 2	−31	0	−0.28
85454	17 27 46.46	−46 57 02.7	8.15	G	261.943 570 97	−46.950 747 78	10.84	−21.73	−120.29	1.04	0.66	1.23	1.44	0.63	− 7	−19	+28	+26	+ 6	−12	+21	−33	−18	+25	0	3.04
85455 H	17 27 47.96	−12 11 12.1	8.09	H	261.949 842 99	−12.186 708 07 A	7.25	9.14	4.71	1.69	1.19	1.54	1.88	1.17	−30	−36	+ 4	+17	−29	− 2	−17	+73	−11	−40	0	0.17
85456	17 27 48.79	−28 10 15.6	9.03	H	261.953 292 98	−28.170 991 62	4.02	−168.77	−90.59	1.34	0.75	1.47	2.05	0.77	+ 5	−16	−18	+ 9	−13	−20	− 9	+33	+ 4	−13	0	0.19
85457	17 27 49.15	+08 33 36.7	9.93	H	261.954 788 43	+08.560 207 60	6.19	−7.85	−16.75	1.29	1.09	1.55	1.37	1.23	+16	−31	+20	+32	+51	+ 8	+51	+28	− 6	+42	2	0.36
85458	17 27 49.20	+16 56 59.0	9.09	H	261.954 990 84	+16.949 731 16	4.97	−5.51	−1.52	0.85	0.99	1.26	0.81	1.12	+ 9	−31	−26	+12	+16	+ 3	+20	+ 0	− 5	− 1	0	2.53
85459	17 27 49.60	+36 31 12.4	8.51	H	261.956 667 38	+36.520 111 43	3.30	3.75	4.68	0.65	0.66	0.77	0.70	0.79	+19	+11	+ 5	+18	+26	− 4	+28	+24	+ 5	+25	1	−1.77
85460	17 27 50.45	+11 23 31.4	8.62	G	261.960 193 00	+11.392 068 30 B	10.68	−15.05	3.78	8.76	7.20	5.47	5.88	5.50	+12	+ 0	− 1	+24	+35	+ 7	+42	+ 8	− 9	+35	3	0.30
85461	17 27 51.09	−54 32 43.2	8.32	H	261.962 867 90	−54.545 345 79	12.13	−0.03	−86.42	0.76	0.67	1.10	0.96	0.77	−20	− 8	+ 3	+ 4	+ 2	+21	+ 6	−11	− 6	+ 8	0	0.70
85462	17 27 52.01	+54 21 08.7	8.69	H	261.966 726 02	+54.352 426 53	3.26	−6.73	2.43	0.71	0.67	0.73	0.78	0.77	− 5	+12	− 2	− 9	+16	−17	+16	+ 8	− 3	− 4	0	−0.68
85463	17 27 52.26	+11 23 25.8	7.11	H	261.967 750 31	+11.390 495 74 A	10.37	−21.21	4.82	1.74	1.44	1.64	1.86	1.67	+28	−10	+ 4	+38	+34	+13	+35	+27	− 1	+23	3	0.30
85464	17 27 52.65	+20 49 48.9	9.07	H	261.969 366 17	+20.830 243 44	5.51	1.89	−8.63	0.97	1.02	1.48	1.32	1.28	+15	− 7	−16	− 1	+19	−35	+15	+12	−11	+18	0	−1.41
85465	17 27 53.20	+09 45 05.1	8.27	H	261.971 662 63	+09.751 428 58	3.49	−7.04	0.86	0.90	0.76	1.21	0.89	0.83	+23	−30	−26	+36	+45	+ 0	+52	+19	−20	+22	0	1.17
85466	17 27 53.63	+56 09 40.2	9.51	H	261.973 476 84	+56.161 167 61	5.74	−7.45	−20.55	0.78	0.90	0.89	0.83	1.07	+ 7	+ 9	+ 7	+22	+ 9	+14	+ 7	+18	−19	−10	1	1.27
85467	17 27 54.81	−47 01 34.4	6.57	1 H	261.978 383 03	−47.026 217 16	−0.60	0.75	−0.61	0.76	0.44	0.81	0.92	0.45	− 2	−26	+15	+37	+ 9	+ 4	+17	− 9	− 3	+23	0	0.42
85468	17 27 55.11	−42 24 30.3	8.36	H	261.979 617 55	−42.408 415 75	11.29	24.40	−80.45	1.12	0.65	1.21	1.24	0.64	− 6	−34	+ 4	+28	− 6	− 4	− 3	+ 0	− 6	− 4	0	0.03
85469	17 27 55.34	+37 56 23.7	8.68	H	261.980 575 19	+37.939 913 63	4.45	1.16	−27.97	0.72	0.69	0.85	0.81	0.77	+16	−13	− 5	+21	+18	−20	+18	+ 4	+ 2	+22	0	−1.21
85470	17 27 57.62	−52 17 49.3	5.72	H	261.990 065 55	−52.297 029 09	10.44	−15.57	−57.04	0.77	0.54	0.93	1.05	0.74	−12	−25	+ 3	−29	+10	−15	+19	−14	−18	−12	0	1.08
85471	17 27 58.04	−14 16 10.1	8.82	H	261.991 824 08	−14.269 469 44	2.66	0.39	− 4.86	1.08	0.66	1.16	1.39	0.70	−17	−37	+ 9	+21	− 6	−11	− 5	+55	−10	− 4	0	1.31
85472	17 28 02.06	+12 11 07.3	8.53	H	262.008 601 37	+12.185 371 15	9.74	0.93	−91.75	1.31	1.21	1.38	1.56	1.48	+55	−17	+ 0	+64	+69	+ 1	+57	+54	−11	+46	0	0.98
85473	17 28 02.11	−69 20 22.1	11.91	3 H	262.008 772 83	−69.339 464 39	11.75	−12.56	−27.37	4.25	7.49	6.77	4.34	10.29	−40	−23	+22	−36	+10	− 5	+25	−55	− 5	+12	6	0.61
85474	17 28 02.39	−08 12 29.0	6.37	H	262.009 948 13	−08.208 058 70	10.97	−84.75	−129.61	0.82	0.51	0.88	0.86	0.53	− 9	−24	−13	− 8	−21	−11	− 9	+47	−10	−31	0	−0.12
85475 H	17 28 02.90	+27 40 09.3	8.00	H	262.012 075 63	+27.669 254 09 A	3.22	−24.61	19.62	0.84	1.04	1.21	0.91	1.10	− 4	−10	+ 1	−23	+ 5	−18	+ 4	+ 4	− 8	+ 4	3	1.41
85476	17 28 03.49	−36 52 55.5	7.56	H	262.014 537 41	−36.882 075 60	1.88	1.81	−1.43	0.78	0.46	0.82	0.89	0.47	−11	−25	− 3	+36	−23	− 1	−22	+26	+ 8	−14	0	2.37
85477	17 28 04.79	−64 57 03.7	7.37	H	262.019 956 25	−64.951 034 86	2.58	−5.37	−17.93	0.53	0.56	0.86	0.60	0.69	+ 8	−13	− 5	+ 2	−10	+13	− 9	+19	−16	+ 9	1	0.52
85478	17 28 05.31	−38 04 28.6	8.64	H	262.022 115 49	−38.074 622 67	6.92	−8.74	−31.27	1.38	0.65	1.38	1.65	0.68	+ 4	−32	− 2	+52	+ 9	+ 2	− 1	+20	+14	− 3	4	−0.72
85479	17 28 07.49	+28 28 25.7	9.25	H	262.031 215 39	+28.473 812 69	1.54	0.53	−25.44	0.75	0.89	1.13	0.86	1.05	+14	−27	− 9	+ 7	+ 8	+ 1	+ 3	− 4	+13	+20	0	−0.34
85480	17 28 07.88	−63 02 10.3	6.22	H	262.032 826 19	−63.036 184 78	4.17	−9.86	−22.72	0.48	0.49	0.67	0.51	0.53	−16	−11	− 4	−15	− 2	+ 1	+ 0	−16	−13	− 9	1	0.88
85481	17 28 09.69	+42 51 58.8	8.42	H	262.040 376 33	+42.866 339 70	3.22	8.11	−1.30	0.72	0.74	0.80	0.78	0.94	− 8	− 3	−12	−34	− 1	− 5	+ 4	+17	− 2	−20	0	−0.41
85482	17 28 11.83	−31 12 25.8	7.73	G	262.049 288 48	−31.207 180 55	0.76	−2.45	− 6.22	0.96	0.54	1.02	1.10	0.53	−29	−28	−11	+26	−28	− 8	−26	+29	+ 2	−39	0	1.05
85483	17 28 12.09	+68 29 57.6	8.51	H	262.050 385 15	+68.499 320 70	2.58	6.54	−12.69	0.72	0.71	0.73	0.96	0.84	+ 0	− 7	+ 8	−30	+10	−14	+ 2	+18	− 2	+18	4	2.98
85484	17 28 13.44	−62 56 43.2	7.70	2 H	262.055 999 09	−62.945 327 34	2.82	1.94	−14.41	0.64	0.63	0.94	0.66	0.69	+ 0	−23	− 6	−29	− 7	+10	− 5	−17	−10	+ 6	0	1.33
85485	17 28 13.89	−45 30 08.4	9.00	H	262.057 856 53	−45.502 339 18	3.32	4.54	− 6.81	1.54	0.88	1.63	1.94	0.88	+23	−35	− 4	+ 1	−18	−12	−10	−47	− 1	+39	0	−0.55
85486	17 28 14.21	−43 44 43.6	9.78	H	262.059 205 83	−43.745 455 15	5.66	9.46	6.30	1.63	1.00	1.76	1.89	0.95	−15	−24	+ 8	+25	−10	+ 2	+ 1	−23	− 9	+ 4	0	2.57
85487	17 28 14.50	+17 30 36.0	9.34	H	262.060 409 58	+17.510 012 38	3.67	−45.90	−22.93	0.85	1.08	1.50	0.96	1.26	−13	−19	−12	+ 0	+18	+18	+24	− 1	− 9	+ 4	3	1.47
85488	17 28 15.14	−34 36 39.4	9.02	H	262.063 076 56	−34.610 947 37	4.76	−1.06	−16.37	1.29	0.69	1.41	1.68	0.72	−17	−26	+ 9	+18	+ 7	− 6	− 1	+ 1	+19	−21	0	0.20
85489 H	17 28 15.71	−45 50 18.1	10.20	H	262.065 451 00	−45.838 348 92 A	5.51	−3.20	−8.65	6.08	3.95	5.52	6.39	2.93	+37	−23	− 2	− 4	− 5	− 5	+ 4	−28	− 1	+23	1	0.47
85490	17 28 15.83	+21 11 08.3	10.95	H	262.065 938 50	+21.185 634 21	0.42	3.82	− 1.99	1.51	1.81	2.43	2.33	2.36	+ 3	− 4	+ 2	+25	+15	+11	+13	+25	+ 3	+17	0	2.84
85491 H	17 28 16.19	−20 57 49.5	7.93	H	262.067 466 66	−20.963 761 24 *	9.60	5.73	29.31	1.93	1.05	1.32	1.47	0.80	+ 5	−12	+ 5	+12	−12	−35	− 5	+49	−15	− 5	1	−0.28
85492	17 28 16.27	+46 03 52.2	8.13	H	262.067 799 23	+46.064 489 27	6.62	2.74	−0.30	0.64	0.62	0.71	0.80	0.75	+ 6	−20	− 2	− 1	+ 6	−18	+ 7	+24	− 6	+ 9	0	−1.21
85493	17 28 18.24	−63 49 27.6	8.06	H	262.076 016 69	−63.824 345 11	5.06	−4.56	−26.46	0.68	0.66	0.94	0.84	0.79	− 9	− 5	− 6	+ 5	−13	+21	−11	+10	−16	− 7	0	0.59
85494	17 28 19.36	+41 03 45.0	10.62	H	262.080 671 15	+41.062 496 16	2.21	35.97	−12.36	0.99	1.10	1.21	0.98	1.21	− 1	− 2	− 3	− 1	+14	− 8	+15	+ 0	+12	+14	0	0.96
85495	17 28 19.50	+76 42 34.0	8.68	G	262.081 233 65	+76.709 445 14	8.77	26.34	7.34	0.59	0.47	0.62	0.59	0.64	+14	−19	− 6	+19	−10	+ 9	+17	− 9	−10	+ 6	0	−0.26
85496 H	17 28 19.58	+02 12 14.3	9.18	H	262.081 588 44	+02.203 959 01 A	7.07	9.64	7.85	2.21	1.84	2.72	2.46	1.84	− 3	− 7	−35	+ 6	+25	−27	+20	+32	−17	−17	1	0.92
85497	17 28 21.14	−52 38 05.4	8.09	H	262.088 070 11	−52.634 825 05	6.29	−7.11	−21.20	0.91	0.72	1.14	1.08	0.75	−14	−21	− 2	+ 3	+22	−13	+21	−11	−13	−14	2	0.30
85498	17 28 21.31	+30 14 42.7	8.20	H	262.088 788 29	+30.245 202 60	3.60	−1.57	− 0.16	0.50	0.64	0.80	0.57	0.81	− 4	−12	−12	+ 7	− 8	+15	− 7	+24	−14	−12	0	0.33
85499	17 28 22.32	−53 29 59

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data										Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
85401	10.209	0.027	8.338	0.011		1.555	0.023	T	1.57	0.02	L	8.2770	0.0017	0.015	109		8.25	8.31			17271+5153	I 1	1								
85402	8.723	0.009	8.082	0.008		0.594	0.015	G	0.66	0.01	H	8.1484	0.0011	0.015	175		8.12	8.17		C			1								S
85403	9.657	0.014	8.433	0.009		1.046	0.013	T	1.02	0.01	L	8.4815	0.0011	0.012	190		8.45	8.51		C			1								
85404	10.373	0.035	9.099	0.020		1.085	0.032	T	1.05	0.03	L	9.1005	0.0017	0.015	103		9.07	9.13		C			1								
85405	7.968	0.009	6.616	0.006		1.146	0.008	T	1.11	0.01	L	6.6461	0.0008	0.006	82		6.64	6.66					1								S
85406	11.673	0.100	10.155	0.043		1.276	0.086	T	1.24	0.09	L	10.3120	0.0042	0.034	109		10.26	10.36					1								G
85407											T	11.3832	0.0044	0.054	128		11.29	11.48					1 X								G
85408	9.137	0.017	8.453	0.014		0.634	0.012	G	0.70	0.01	H	8.5149	0.0011	0.010	71		8.49	8.54					1								
85409	5.974	0.004	5.911	0.004		0.063	0.005	T	0.07	0.01	L	5.9250	0.0007	0.006	75		5.92	5.94			17272−5038	I 1	1								S
85410	10.473	0.039	9.696	0.032		0.691	0.038	T	0.75	0.03	L	9.7962	0.0029	0.023	74		9.76	9.83		C			1								G
85411	9.958	0.028	9.479	0.028		0.463	0.031	T	0.53	0.03	L	9.5068	0.0017	0.013	83		9.46	9.53					1 S								G
85412	10.398	0.047	9.826	0.045	*	0.535	0.058	T	0.61	0.06	L *	9.9110	0.0036	0.028	71	*	9.86	9.97		C	17272−4833	H 1	2 C C	AB	114	0.226	0.066	1.50	0.91	G
85413	10.146	0.068	9.260	0.053	*	0.789	0.064	T	0.82	0.05	L *	9.1545	0.0028	0.020	80	*	9.13	9.19		D	17272−2957	I 1	2 C A	AB	302	0.677	0.011	1.47	0.04	
85414	9.118	0.014	8.374	0.011		0.681	0.014	T	0.74	0.01	L	8.4461	0.0016	0.016	119		8.42	8.47		C			1								S
85415	8.852	0.012	8.811	0.015		0.037	0.017	T	0.05	0.01	L	8.8430	0.0016	0.015	117		8.82	8.87		C			1								
85416	10.551	0.038	9.643	0.027		0.796	0.015	G	0.84	0.01	H	9.8060	0.0022	0.020	111		9.77	9.84		C			1								
85417	9.889	0.026	9.514	0.027		0.355	0.035	T	0.42	0.04	L	9.5732	0.0025	0.019	94		9.54	9.60		C			1								
85418	9.910	0.017	8.595	0.010		1.117	0.015	T	1.08	0.02	L	8.6402	0.0013	0.014	163		8.62	8.67		C			1								
85419	8.766	0.012	7.505	0.008		1.075	0.011	T	1.04	0.01	L	7.5607	0.0016	0.012	115		7.53	7.58					1								S
85420	8.413	0.009	8.068	0.009		0.342	0.001	G	0.40	0.00	H	8.1142	0.0024	0.025	165		8.07	8.15		U 2			1								S
85421	8.739	0.010	8.364	0.011		0.378	0.050	G	0.44	0.06	H	8.4180	0.0020	0.021	126		8.38	8.45					1								
85422	8.915	0.014	8.424	0.014		0.459	0.012	G	0.53	0.01	H	8.4820	0.0019	0.013	87		8.46	8.50					1								
85423	4.765	0.003	4.326	0.003		0.402	0.002	G	0.45	0.02	A	4.3741	0.0005	0.004	78		4.37	4.38		C			1								S
85424	9.803	0.025	8.623	0.016		1.011	0.023	T	0.99	0.02	L	8.6661	0.0018	0.014	77		8.64	8.69		C			1 X S								
85425	8.730	0.013	7.961	0.011		0.685	0.013	T	0.74	0.01	L	8.0150	0.0013	0.011	89		8.00	8.04					1								S
85426	9.480	0.022	8.819	0.020		0.607	0.015	G	0.68	0.01	H	8.8933	0.0019	0.014	67		8.87	8.92		C			1								
85427	9.807	0.022	8.141	0.011		1.393	0.019	T	1.37	0.02	L	8.1550	0.0015	0.017	105		8.13	8.18		C			1								S
85428	9.134	0.014	8.922	0.016		0.202	0.020	T	0.22	0.02	L	8.9564	0.0019	0.016	86		8.93	9.00		C			1								
85429						1.500	0.510	G	3.20	0.98	K	12.1844	0.2729	1.066	42		10.42	13.03		U 2			1 V								D P
85430	8.913	0.013	8.686	0.014		0.217	0.018	T	0.24	0.02	L	8.7226	0.0013	0.014	96		8.70	8.75		C			1								
85431	10.062	0.028	8.613	0.015		1.222	0.025	T	1.18	0.03	L	8.6460	0.0028	0.017	70		8.62	8.68		C			1								
85432	8.255	0.008	7.901	0.008		0.336	0.011	T	0.39	0.01	L	7.9505	0.0014	0.011	139		7.93	7.97		C			1								S
85433	8.867	0.012	8.341	0.011		0.518	0.015	G	0.59	0.02	H	8.4099	0.0014	0.014	143		8.38	8.45					1 G								S
85434	7.626	0.006	7.299	0.008	A	0.100	0.495	G	0.34	0.02	L *	7.3162	0.0017	0.011	83	*	7.30	7.34		D	17275+1627	I 1	2 C A	AB	28	1.734	0.022	3.34	0.12	S
85435	9.288	0.024	7.304	0.010		1.681	0.021	T	2.48	0.04	O	7.0946	0.0045	0.038	78		7.02	7.14		U 2			1 S								S
85436	8.715	0.008	7.770	0.006		0.820	0.008	T	0.84	0.01	L	7.8342	0.0014	0.013	159		7.81	7.86		C			1								S
85437	9.595	0.015	8.750	0.012		0.725	0.020	G	0.77	0.02	H	8.8297	0.0020	0.019	161		8.80	8.87		C			1								
85438	11.104	0.065	9.787	0.032		1.118	0.057	T	1.08	0.06	L	9.7489	0.0041	0.027	87		9.70	9.79					1 S								G
85439	10.479	0.062	9.892	0.055		0.495	0.020	G	0.57	0.02	H	10.0130	0.0030	0.021	59		9.95	10.05		C			1								G
85440	9.448	0.024	8.958	0.024	*	0.461	0.031	T	0.53	0.03	L *	8.9937	0.0026	0.019	61	*	8.96	9.02		D	17276−2440	H 1	2 C D	AB	210	0.352	0.022	2.42	0.14	D
85441	10.578	0.053	10.196	0.063		0.589	0.020	G	0.66	0.02	H	10.1591	0.0040	0.024	81		10.12	10.19					1								G
85442	5.991	0.004	5.985	0.005		0.010	0.006	T	0.03	0.01	L	5.9902	0.0006	0.006	86		5.98	6.00					1								S
85443	10.428	0.033	9.099	0.019	*	1.128	0.030	T	1.09	0.03	L *	9.1086	0.0024	0.017	77	*	9.08	9.14		C	17276+0501	H 1	2 C B	AB	278	0.306	0.058	2.59	0.71	
85444	8.714	0.011	8.389	0.012		0.334	0.015	G	0.39	0.02	H	8.4435	0.0018	0.017	100		8.42	8.47					1								S
85445	8.239	0.010	6.822	0.005		1.197	0.009	T	1.16	0.01	L	6.8353	0.0007	0.007	90		6.82	6.84		C			1								S
85446	10.611	0.049	9.111	0.024		1.262	0.043	T	1.22	0.04	L	9.0559	0.0031	0.020	63		9.03	9.09		C			1								
85447	10.799	0.048	9.725	0.030		0.920	0.044	T	0.92	0.03	L	9.7904	0.0028	0.017	89		9.76	9.83		C			1								G
85448	9.560	0.020	7.559	0.009		1.658	0.017	T	1.68	0.02	L	7.4605	0.0017	0.016	103		7.43	7.49		U			1								S
85449	10.394	0.026	8.426	0.010		1.632	0.022	T	1.65	0.02	L	8.3242	0.0011	0.011	131		8.30	8.35		C			1								
85450	8.549	0.010	6.670	0.005		1.660	0.015	G	2.47	0.05	F	6.4395	0.0035	0.039	91		6.40	6.52		U 2			1 S								S
85451	10.473	0.040	9.759	0.034		0.657	0.042	T	0.72	0.04	L	9.8520	0.0044	0.024	68		9.81	9.89		C			1								
85452	9.764	0.023	8.599	0.015		1.000	0.021	T	0.98	0.02	L	8.6485	0.0018	0.017	74		8.62	8.68		C			1								
85453	8.266	0.011	8.112	0.013		0.160	0.015	G	0.18	0.01	H	8.1373	0.0013	0.011	83		8.12	8.16		C			1								
85454	9.002	0.012	8.227	0.010		0.684	0.022	G	0.71	0.02	A	8.2850	0.0015	0.014	99		8.26	8.31					1								
85455	8.530	0.021	8.070	0.022	*						T *	8.1843	0.0015	0.010	82	–	8.16	8.20		D	17278−1211	I 1	3 C B								S G
85456	10.431	0.041	9.151	0.024		1.130	0.017	G	1.22	0.02	I	9.1547	0.0019	0.016	75		9.13	9.18		C			1								
85457	10.692	0.044	10.003	0.037		0.636	0.047	T	0.70	0.04	L	10.0652	0.0020	0.018	89		10.03	10.10					1								G
85458	9.449	0.019	9.114	0.021		0.318	0.026	T	0.37	0.04	L	9.1720	0.0025	0.022	75		9.14	9.22		C			1								
85459	8.632	0.010	8.520	0.011		0.109	0.014	T	0.12	0.01	L	8.5519	0.0015	0.015	125		8.53	8.58		C			1								
85460	9.051	0.020	8.596	0.020	B	0.410	0.015	G	0.48	0.02	H	8.7053	0.0255			B				D	17279+1123	I 2	1 C I D								D
85461	9.613	0.019	8.456	0.012		0.993	0.018	T	0.97	0.01	L	8.4880	0.0018	0.016	123		8.46	8.52					1								
85462	8.742	0.011	8.694	0.014		0.049	0.017	T	0.06	0.01	L	8.7110	0.0014	0.015	96		8.69	8.74		C			1								
85463	7.262	0.007	7.120	0.007	A	0.137	0.009	T	0.15	0.01	L	7.1614	0.0085	0.013	77	A	7.14	7.18		D	17279+1123	I 2	1 C P D								S D
85464	9.582	0.020	9.105	0.019		0.449	0.025	T	0.52	0.03	L	9.1683	0.0021	0.021	90		9.13	9.20		C			1								
85465	8.402	0.010	8.272	0.012		0.126	0.015	T	0.14	0.01	L	8.3221	0.0017	0.012	80		8.30	8.35		C			1								S
85466	10.302	0.035	9.583	0.031		0.661	0.038	T	0.72	0.03	L	9.6410	0.0025	0.026	112		9.60	9.68			17279+5610	I 1	1 S								
85467	6.626	0.004	6.650	0.005		0.184	0.004	G	0.22	0.02	A	6.6385	0.0030	0.022	110		6.60	6.68	1.10	P 1 A	17279−4702	I 1	1								S
85468	9.087	0.017	8.404	0.015		0.620	0.017	T	0.69	0.01	L	8.4921	0.0021	0.015	90		8.46	8.51					1								S
85469	10.675	0.034	8.870	0.014		1.503	0.029	T	1.53	0.04	L	8.8052	0.0021	0.019	118		8.77	8.84					1								
85470	7.244	0.009	5.862	0.005		1.169	0.008	T	1.13	0.01	L	5.8893	0.0008	0.006	64		5.88	5.90		C	17280−5218	I 1	1 G								S
85471	9.105	0.017	8.876	0.020		0.218	0.025	T	0.24	0.03	L	8.8913	0.0019	0.013	74		8.87	8.91		C			1								
85472	9.473	0.019	8.636	0.015		0.753	0.018	T	0.80	0.01	L	8.6764	0.0026	0.017	68		8.65	8.72		C			1 G								
85473											T	12.0628	0.1168	0.881	132		10.69	13.07		U 2			1 S								D
85474	7.057	0.007	6.445	0.005		0.570	0.008	T	0.64	0.01	L	6.4942	0.0010	0.005	67		6.49	6.51		C			1								S
85475	9.419	0.015	8.143	0.009	*	1.086	0.013	T	1.05	0.01	L *	8.1657	0.0017	0.017	166	*	8.14	8.21			17280+2740	H 1	2 C A	AB	151	0.909	0.027	3.29	0.10	
85476	7.632	0.008	7.561	0.010		0.070	0.012	T	0.08	0.01	L	7.5871	0.0011	0.010	90		7.57	7.60					1								S
85477	9.354	0.017	7.531	0.008		1.517	0.015	T	1.55	0.02	L	7.4925	0.0017	0.014	135		7.47	7.52					1								S
85478	9.240	0.019	8.691	0.018		0.520	0.019	T	0.59	0.02	L	8.7523	0.0022	0.017	84		8.73	8.78					1								
85479	10.646	0.032	9.353	0.018		1.100	0.029	T	1.06	0.03	L	9.4193	0.0029	0.027	147		9.38	9.47					1 S								
85480	6.120	0.003	6.205	0.004		−0.073	0.004	T	−0.05	0.01	L	6.1966	0.0006	0.006	113		6.19	6.21		C			1								S
85481	9.505	0.017	8.501	0.012		0.877	0.016	T	0.89	0.01	L	8.5784	0.0017	0.019	105		8.55	8.61					1								S
85482	9.443	0.019	7.887	0.010		1.300	0.015	G	1.33	0.02	A	7.8828	0.0017	0.013	99		7.86	7.90			17282−3112	I 1	1								
85483	8.674	0.012	8.544	0.014		0.126	0.017	T	0.14	0.02	L	8.5612	0.0020	0.022	96		8.53	8.60					1 S								
85484	7.604	0.007	7.687	0.008		−0.075	0.015	G	−0.05	0.02	H	7.6852	0.0024	0.022	117		7.65	7.72		U 2			1								S
85485	10.680	0.045	9.175	0.021		1.266	0.039	T	1.22	0.04	L	9.1634	0.0019	0.017	82		9.13	9.19		C			1								
85486	10.583	0.047	9.881	0.044		0.647	0.053	T	0.71	0.05	L	9.9102	0.0030	0.025	79		9.87	9.95		C			1								G
85487	10.170	0.026	9.435	0.023		0.673	0.028	T	0.73	0.02	L	9.4783	0.0027	0.025	95		9.43	9.52					1								
85488	10.977	0.058	9.173	0.021		1.502	0.049	T	1.53	0.07	L	9.1489	0.0015	0.016	89		9.12	9.17		C			1								
85489	11.279	0.097	10.972	0.124	A	0.588	0.072	G	0.66	0.07	R *	10.3226	0.0055	0.033	91	*	10.26	10.38			17283−4550	I 1	2 C A	AB	11	1.315	0.025	0.66	0.05	G
85490	11.630	0.103	11.016	0.099		0.572	0.125	T	0.64	0.12	L	11.0637	0.0036	0.037	98		10.98	11.14		C			1								G
85491	8.488	0.010	7.988	0.011	*	0.481	0.011	T	0.55	0.01	L *	8.0342	0.0012	0.009	73	*	8.02	8.06		D	17283−2058	I 1	2 C A	AB	101	0.266	0.008	0.22	0.17	S
85492	8.623	0.010	8.180	0.010		0.438	0.015	G	0.51	0.02	H	8.2322	0.0016	0.013	95		8.21	8.25					1								S
85493	8.171	0.009	8.058	0.011		0.102	0.013	T	0.12	0.01	L	8.1053	0.0014	0.016	99		8.09	8.14		C			1								
85494	11.230	0.057	10.627	0.053		0.562	0.068	T	0.64	0.06	L	10.7424	0.0043	0.039	122		10.67	10.80					1								G
85495	9.281	0.013	8.744	0.013		0.544	0.015	G	0.62	0.01	H	8.7991	0.0014	0.011	115		8.78	8.82					1								
85496	9.385	0.028	8.841	0.022	*	0.510	0.032	T	0.58	0.03	L *	9.2919	0.0024	0.022	94	*	9.24	9.32		R	17283+0212	I 1	2 C A	AB	350	2.141	0.006	1.10	0.03	
85497	8.185	0.013	8.082	0.015		0.093	0.018	T	0.11	0.02	L	8.1323	0.0024	0.014	69		8.12	8.15		C			1								
85498	8.107	0.007	8.184	0.009		−0.066	0.010	T	−0.04	0.01	L	8.1814	0.0013	0.015	143		8.16	8.21					1								S
85499	9.752	0.025	7.687	0.010		1.748	0.022	T	2.02	0.07	O	7.5783	0.0020	0.016	108		7.55	7.61		M			1								
85500	9.572	0.021	9.107	0.021		0.438	0.027	T	0.51	0.03	L	9.1850	0.0023	0.018	65		9.15	9.24		C			1								

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg		Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors $\alpha*$ mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)												Soln F1 %	F2
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
85501	17 28 23.54	−54 01 16.4	7.13	1 H	262.098 095 30	−54.021 230 36		4.88	3.63	6.33	0.58	0.50	0.84	0.70	0.58	−14	−22	+ 1	− 1	− 1	+19	+ 4	−13	− 5	+11		0	−0.77
85502	17 28 23.80	−20 21 49.9	8.90	H	262.099 170 59	−20.363 857 51		2.79	1.54	−7.41	1.27	0.92	1.33	1.84	0.96	−25	−12	−14	+10	−50	− 7	−36	+61	−19	−35		2	−1.08
85503	17 28 24.32	+15 51 50.4	9.39	2 H	262.101 353 12	+15.864 011 36		2.09	−15.28	2.32	1.19	1.28	1.52	1.37	1.56	+17	−12	− 1	+44	+45	+ 9	+44	+28	−20	+21		2	2.87
85504	17 28 25.69	+26 00 23.4	9.09	H	262.107 048 50	+26.006 488 94		6.66	−14.28	24.67	0.74	0.93	1.26	0.98	1.17	+14	+ 0	− 4	+10	+12	−16	+11	+17	−10	+22		0	0.37
85505	17 28 26.15	+04 37 40.5	10.05	G	262.108 966 68	+04.627 904 59		3.65	−65.95	−159.75	1.68	1.22	1.95	2.11	1.37	+24	−25	−31	+43	+38	−23	+34	+37	−12	+16		0	1.12
85506	17 28 26.72	+12 17 08.2	9.71	H	262.111 312 71	+12.285 597 65		18.62	−115.00	−273.87	2.67	2.24	3.36	2.84	2.76	+18	−29	− 8	+27	+42	− 9	+48	+ 2	−15	+26		0	
85507	17 28 27.58	−29 03 30.9	7.34	2 H	262.114 896 72	−29.058 580 82		0.98	−3.99	−4.87	0.96	0.52	1.07	1.02	0.52	−13	−41	− 7	+15	−22	−26	−19	+18	+ 2	−39		0	−1.06
85508	17 28 28.76	−09 30 01.8	8.55	H	262.119 813 37	−09.500 487 55		7.80	−7.92	−6.55	1.18	0.80	1.20	1.43	0.86	−24	−20	−13	+27	−33	+ 0	−20	+70	−14	−46		4	0.29
85509 H	17 28 29.05	+74 30 00.4	8.26	H	262.121 047 84	+74.500 112 89	A	5.67	0.78	21.72	1.04	0.84	0.90	0.85	0.95	+ 1	−33	+ 0	−13	+ 8	−13	+11	−14	−10	+10		1	−0.18
85510	17 28 29.86	+50 09 50.4	8.66	2 H	262.124 416 98	+50.164 000 04		2.13	−11.89	−12.74	0.70	0.75	0.79	0.73	0.85	+ 8	+ 0	+11	+ 6	+12	− 8	+15	+12	− 5	+ 7		0	1.00
85511	17 28 30.25	−77 31 11.0	8.89	H	262.126 028 32	−77.519 708 41		15.05	−3.17	−2.85	0.69	0.91	1.07	0.70	1.11	+11	−14	− 6	−23	− 7	+ 4	− 6	−14	− 6	+ 5		1	−0.10
85512	17 28 31.07	−46 52 20.7	8.52	G	262.129 442 06	−46.872 423 46		8.92	−4.65	−46.49	1.23	0.73	1.39	1.64	0.73	+ 1	−11	+21	+32	+ 2	− 6	+17	−29	−10	+30		0	−0.59
85513	17 28 31.25	+57 06 37.3	8.07	H	262.130 208 83	+57.110 369 82		3.44	−8.06	−39.31	0.64	0.61	0.67	0.68	0.69	+ 1	+ 1	+16	+13	+12	+16	+11	+ 5	− 6	+ 8		0	0.01
85514	17 28 32.25	+07 16 08.7	9.01	H	262.134 365 97	+07.269 087 92		2.91	2.34	−7.77	1.25	0.85	1.58	1.17	0.96	+10	−57	− 2	+35	+32	−21	+37	+21	−17	+30		0	0.74
85515	17 28 33.97	+09 43 19.7	8.83	H	262.141 553 78	+09.722 143 60		11.03	−2.87	−7.00	1.12	0.83	1.30	1.07	1.02	+16	−36	−15	+37	+47	− 3	+57	+19	−21	+19		0	−0.14
85516	17 28 35.48	−58 06 37.6	9.68	1 G	262.147 836 54	−58.110 436 25		1.69	1.14	−4.44	1.03	0.88	1.38	1.16	0.96	−15	−19	− 5	−11	− 8	+19	− 6	−29	− 6	−19		2	−0.19
85517	17 28 35.72	+03 36 20.2	8.27	H	262.148 827 52	+03.605 606 32		4.11	−14.66	−8.52	0.80	0.59	1.03	0.87	0.66	+ 0	−24	− 6	+18	+11	− 7	+12	+27	−11	+ 4		0	−0.51
85518 H	17 28 35.80	+51 21 40.9	7.63	G	262.149 161 12	+51.361 356 54	*	8.51	−10.28	−40.19	1.30	1.48	0.75	0.84	0.86	+15	− 1	− 7	+39	+ 7	− 4	+ 6	+31	−20	+ 9		0	−0.31
85519	17 28 36.94	+19 52 19.4	9.50	H	262.153 903 02	+19.872 066 86		4.71	−19.63	21.12	0.89	1.14	1.69	1.38	1.34	+22	−25	−53	− 5	+14	−29	+ 0	+ 7	− 3	+ 6		0	−0.29
*85520	17 28 38.91	−55 10 10.8	5.93	H	262.162 131 71	−55.169 665 03		3.63	3.08	−8.76	0.60	0.50	0.78	0.75	0.62	−23	−21	−14	+ 5	− 8	+17	− 5	− 2	+ 6	−12		0	−0.81
*85521 H	17 28 38.76	−25 30 38.1	7.06	H	262.161 508 73	−25.510 590 94	A	9.06	10.76	−32.69	2.44	1.49	1.81	2.07	1.02	−12	− 4	−13	+19	−17	+ 3	−10	+49	−10	−21		2	0.73
85522	17 28 39.41	+59 02 07.2	8.20	2 H	262.164 224 74	+59.035 326 13		6.72	17.35	7.55	0.73	0.73	0.76	0.90	0.93	+ 1	+ 1	+14	− 7	+23	+10	+20	+26	−20	+ 3		0	0.59
85523	17 28 39.46	−46 53 35.0	9.38	G	262.164 403 65	−46.893 051 73		220.43	573.32	−879.84	1.48	0.83	1.63	1.88	0.85	+ 3	−30	+ 4	+29	+11	+11	+16	−22	+ 5	+25		0	0.61
85524	17 28 40.84	−31 23 03.0	7.60	H	262.170 168 26	−31.384 161 22		11.12	−33.55	−20.78	0.93	0.49	0.99	0.98	0.50	−13	−44	−13	+22	−27	− 6	−25	+29	+ 7	−39		0	−0.05
85525	17 28 41.19	+18 10 27.0	8.95	H	262.171 632 35	+18.174 155 73		3.79	−9.87	−3.44	0.60	0.75	1.26	1.00	1.14	+ 0	−20	−14	− 4	+ 4	+30	+ 8	+18	+ 2	− 8		0	0.29
85526	17 28 41.57	−22 34 52.8	9.37	H	262.173 201 80	−22.581 339 49	A	−0.42	−6.22	−9.30	2.87	1.75	2.73	3.35	1.60	− 5	−19	−17	+14	−36	+14	−22	+55	−21	−14		2	1.66
85527	17 28 42.70	−05 38 20.8	8.56	H	262.177 918 26	−05.639 109 87		6.48	3.01	−3.62	1.31	0.64	1.45	1.30	0.66	+ 2	−57	−13	+21	+13	− 6	+24	+44	−29	− 5		0	1.56
85528	17 28 42.88	−60 24 21.7	8.41	H	262.178 657 83	−60.406 016 40		2.42	−12.28	−20.22	0.80	0.72	1.13	0.97	0.84	+ 8	−26	− 3	−36	−23	+19	−19	−28	− 5	− 6		0	0.44
85529	17 28 43.70	−54 35 34.1	8.95	H	262.182 079 40	−54.592 792 20		5.24	3.66	−33.74	0.88	0.74	1.23	1.05	0.86	−16	−15	+ 9	+ 9	− 2	+13	+ 1	− 3	−12	+ 4		0	1.06
85530	17 28 43.99	−82 46 46.5	6.64	H	262.183 278 81	−82.779 595 67		2.09	−0.44	−1.67	0.43	0.44	0.54	0.47	0.55	− 5	−10	− 2	− 5	−11	−16	−13	− 3	− 2	− 4		0	−1.26
85531	17 28 45.55	−30 55 53.6	7.80	H	262.189 780 32	−30.931 550 78		1.89	−3.12	−8.54	0.93	0.49	1.02	1.00	0.49	−10	−38	−15	+11	−28	− 4	−22	+26	+ 4	−38		0	0.81
*85532	17 28 46.12	+26 43 31.3	8.11	H	262.192 150 61	+26.725 370 86		12.10	−1.28	−121.88	0.56	0.69	0.97	0.68	0.85	+ 8	−12	− 8	− 7	+ 4	+18	+ 4	+ 2	−11	+ 5		0	−0.46
*85533	17 28 46.06	−41 39 48.7	10.45	G	262.191 933 38	−41.663 514 58		27.04	−0.25	−183.76	2.13	1.33	2.20	2.64	1.45	− 2	−15	− 3	+36	−19	− 6	−17	+ 8	− 6	− 7		0	0.55
85534	17 28 47.76	+10 32 02.6	7.06	H	262.199 005 29	+10.534 047 37		3.51	5.90	−7.96	0.71	0.58	0.90	0.80	0.69	+12	−17	− 2	+31	+33	+ 9	+36	+26	−13	+18		2	1.68
*85535	17 28 49.50	+45 27 25.6	10.92	H	262.206 262 22	+45.457 107 80		4.46	−21.83	32.30	1.28	1.65	1.53	1.75	2.32	+ 4	−24	−15	+18	+ 4	−12	+10	+51	−15	−12		0	0.52
*85536	17 28 49.50	−42 32 45.7	8.58	H	262.206 254 92	−42.546 030 22		8.15	−26.93	−26.41	1.13	0.72	1.34	1.24	0.81	−11	−41	− 2	+31	−10	− 1	−12	+22	+ 3	− 7		0	1.57
85537	17 28 49.69	+00 19 50.1	5.41	1 H	262.207 052 73	+00.330 577 03		15.86	−64.73	19.86	0.58	0.40	0.69	0.70	0.43	− 2	−19	− 6	+13	+31	− 1	+28	+25	− 2	− 1		0	−0.94
85538	17 28 49.94	−26 43 46.5	8.63	H	262.208 086 82	−26.729 586 31		13.19	15.40	−50.18	1.17	0.57	1.34	1.14	0.55	+ 5	−49	−14	+10	−16	−28	−13	+28	+ 3	−20		0	1.18
85539	17 28 50.18	+41 23 57.9	7.78	1 H	262.209 089 51	+41.399 423 70		2.57	−6.26	−4.95	0.59	0.58	0.67	0.64	0.65	+ 4	−12	+ 4	+ 7	+15	−15	+15	+ 8	+ 7	+20		0	1.08
85540	17 28 51.26	−70 38 01.0	7.22	H	262.213 568 80	−70.633 623 44		5.55	−9.46	−34.52	0.37	0.56	0.80	0.36	0.69	+11	−25	−10	+ 6	− 9	−11	−11	−13	+11	+ 0		3	−0.44
85541	17 28 51.89	−23 26 30.7	8.77	2 H	262.216 219 49	−23.441 864 91		2.20	−10.12	−25.45	1.37	0.79	1.41	1.43	0.79	−36	−43	−12	+25	−54	+17	−35	+63	−17	−55		0	0.93
85542	17 28 54.86	+26 12 13.7	8.54	H	262.228 603 11	+26.203 814 55		6.89	7.21	−22.18	0.57	0.78	1.11	0.76	1.03	+ 7	+ 4	− 9	+ 3	− 5	−23	− 6	+24	−21	+ 3		0	0.37
85543	17 28 56.09	−36 46 41.8	5.98	H	262.233 705 80	−36.778 267 80		5.12	−3.09	−5.04	0.67	0.43	0.72	0.77	0.45	−15	−22	− 7	+33	−24	+ 3	−21	+31	− 1	−18		0	3.16
85544	17 28 57.27	−44 35 35.3	10.20	H	262.238 605 43	−44.593 137 82		4.60	−1.31	−16.97	1.81	1.04	1.97	2.51	1.12	+11	−15	+14	+31	−19	−12	+ 1	−22	−19	+41		0	1.66
85545 H	17 28 58.18	+50 52 12.9	7.08	H	262.242 410 30	+50.870 260 85	A	8.10	−16.20	11.15	1.22	1.11	1.08	1.19	1.11	+11	−10	+ 0	+36	+13	+ 4	+19	+ 6	−15	+25		2	0.17
85546	17 28 58.91	+39 37 18.7	8.77	H	262.245 468 21	+39.621 864 41		2.50	0.65	−15.90	0.65	0.77	0.82	0.69	0.91	+ 3	− 4	− 8	+ 4	− 5	− 3	− 3	+33	−10	− 6		0	−1.09
85547	17 28 59.48	−63 25 26.1	8.13	G	262.247 833 05	−63.423 907 69		2.43	−1.19	−9.91	0.66	0.64	0.93	0.75	0.75	− 3	− 5	− 5	−20	−11	+13	−11	−17	− 4	+ 8		0	1.31
85548 H	17 29 00.20	−24 20 11.1	8.39	H	262.250 847 02	−24.336 427 08	A	17.25	−3.17	−13.49	2.19	1.26	2.00	2.39	1.11	−34	+ 8	−15	+47	−40	+40	−33	+62	−26	−32		1	−1.19
85549	17 29 00.86	−43 58 26.0	6.30	G	262.253 603 09	−43.973 899 32	A	2.15	−3.50	−8.06	1.06	0.72	1.02	1.25	0.68	− 9	−13	− 8	+27	− 6	− 2	+ 4	−21	+ 2	+15		2	0.70
85551	17 29 01.75	+80 12 34.2	8.69	H	262.257 301 16	+80.209 487 62		6.32	21.48	23.39	0.66	0.59	0.66	0.69	0.75	+ 2	−21	− 1	− 9	+ 1	+ 5	− 4	+28	+ 0	+15		0	−1.18
85552	17 29 01.84	−42 36 51.6	9.24	H	262.257 664 64	−42.614 337 09		7.24	3.88	−92.67	1.34	0.86	1.39	1.45	0.92	+ 0	−30	−10	+28	−18	− 2	−17	+16	− 3	−12		0	0.52
*85553	17 29 02.19	−59 01 56.8	7.22	2 H	262.259 104 56	−59.032 435 29		3.82	−10.66	−7.18	0.76	0.65	0.90	0.92	0.73	+ 8	+ 7	− 6	−27	−33	− 1	−31	−28	−12	+ 9		0	0.00
*85554	17 29 02.16	+51 29 51.5	7.88	H	262.258 987 52	+51.497 641 28		3.53	−5.70	1.97	0.60	0.61	0.65	0.69	0.71	+ 9	− 2	+18	+12	+ 9	+ 3	+ 9	+13	− 7	+10		0	0.12
85555 H	17 29 02.40	+38 44 44.7	9.57	H	262.260 004 02	+38.745 742 09	*	4.23	−2.11	1.88	1.64	1.94	1.50	1.67	1.45	+17	+ 0	− 4	+18	+16	−11	+18	+42	−13	+15		1	−1.05
85556	17 29 03.32	+33 45 24.1	8.04	G	262.263 823 64	+33.756 707 71		9.65	17.94	1.06	0.60	0.60	0.76	0.62	0.69	+ 1	−25	− 9	+ 4	+13	−15	+14	− 3	− 7	+ 6		0	−0.50
85557	17 29 03.87	−64 55 43.3	8.81	H	262.266 125 53	−64.928 693 91		2.36	−0.86	−16.32	0.84	0.90	1.18	0.92	1.08	+ 2	−18	−12	−25	−14	+ 4	−15	− 3	− 9	+11		0	−0.92
85558 H	17 29 04.36	−79 50 34.0	8.82	H	262.268 149 30	−79.842 784 99	A	7.14	32.44	2.09	1.06	1.32	1.40	1.07	1.43	− 1	−15	−13	+19	− 7	+ 2	− 5	+16	−11	− 6		1	0.91
85559	17 29 04.48	−65 58 42.8	11.37	G	262.268 667 52	−65.978 553 50		1.81	−16.67	−22.36	1.59	1.68	2.74	1.84	1.94	+43	− 9	− 6	+ 4	−27	+ 5	−24	+ 9	−12	+29		0	0.76
85560	17 29 06.63	+50 05 14.6	7.53	2 H	262.277 605 59	+50.087 392 99		1.39	−1.37	−10.27	0.54	0.55	0.60	0.56	0.65	− 1	− 1	+ 7	+ 4	+ 7	− 9	+ 9	+ 6	− 3	+ 6		1	1.38
85561	17 29 06.74	−23 50 09.4	9.61	G	262.278 084 30	−23.835 935 82		55.03	−287.29	−74.40	1.71	1.04	1.68	1.81	1.02	−44	−35	− 5	+34	−54	+ 6	−41	+65	−15	−54		5	1.15
85562	17 29 07.31	−14 04 50.2	7.91	G	262.280 438 84	−14.080 618 46		7.40	20.50	−12.71	1.01	0.59	1.14	1.35	0.58	−23	−26	+ 8	+13	−19	−13	−14	+62	−14	−15		2	0.21
85563	17 29 07.81	−68 34 08.0	8.99	H	262.282 556 06	−68.568 895 73		6.46	−14.17	−39.47	0.64	0.85	1.24	0.82	1.11	+ 4	−12	+ 7	+24	−12	− 7	−10	+19	−12	+18		0	0.96
85564	17 29 09.56	+06 08 54.3	8.03	H	262.289 823 98	+06.148 410 18		6.54	−20.14	23.42	0.80	0.62	1.00	0.84	0.68	+14	−22	− 3	+26	+41	− 8	+37	+22	+13	+18		0	−0.68
85565	17 29 12.01	+25 36 23.8	10.09	H	262.300 039 44	+25.606 606 41		2.23	−5.48	−14.62	0.91	1.21	1.56	1.11	1.50	+28	− 6	− 6	+ 5	+ 6	− 3	+ 1	+ 6	+ 3	+26		0	2.06
85566	17 29 12.42	+00 56 05.7	8.06	H	262.301 767 06	+00.934 926 23		2.60	8.73	1.33	0.82	0.57	0.99	0.86	0.61	−20	−38	+14	+ 7	+24	+ 4	+18	+27	+ 1	− 4		0	−0.68
85567	17 29 12.81	+22 07 57.8	8.00	H	262.303 391 43	+22.132 734 04		11.27	−34.18	−121.49	0.51	0.74	1.20	0.83	1.10	−24	− 8	−12	+ 5	+23	−10	+20	+12	−30	−14		0	1.64
85568	17 29 12.82	−60 38 23.6	7.89	H	262.303 401 54	−60.639 902 56		5.12	−1.78	−22.19	0.62	0.59	0.94	0.72	0.69	− 8	−30	− 7	−27	− 5	+24	− 2	−26	− 3	−18		1	0.85
85569	17 29 12.92	−31 32 03.4	6.99	2 H	262.303 851 40	−31.534 285 73		0.20	1.36	−1.26	0.91	0.46	0.95	1.11	0.48	−11	−38	−12	+37	−15	+ 5	−17	+23	+11	−18		0	−0.58
85570	17 29 13.28	+10 53 57.7	7.72	H	262.305 348 00	+10.899 362 15		4.98	−4.85	−16.64	0.80	0.65	0.94	1.01	0.81	+ 9	− 2	− 5	+24	+32	+13	+33	+26	+ 3	+28		0	1.03
85571	17 29 13.49	+28 48 51.3	8.81	H	262.306 224 34	+28.814 248 75		2.53	10.77	−13.13	0.62	0.71	0.95	0.76	0.86	+10	−20	− 2	+ 3	+ 4	−12	+ 1	+ 2	+15	+11		1	1.27
85572	17 29 14.07	+27 52 54.5	7.84	H	262.308 625 54	+27.881 807 40		5.70	−17.91	32.46	0.47	0.59	0.78	0.58	0.67	+ 9	− 7	− 4	− 4	+ 3	−19	+ 1	+ 9	− 1	+20		0	−0.53
85573	17 29 14.76	+43 28 11.2	8.44	H	262.311 519 32	+43.469 773 55		2.02	3.95	−9.32	0.63	0.71	0.75	0.66	0.77	− 2	− 5	− 1	− 8	+ 2	− 4	+ 0	+19	− 1	+ 7		1	0.85
85574	17 29 15.62	−40 44 48.7	8.17	G	262.315 090 94	−40.746 869 53		1.27	−0.08	−8.27	1.15	0.80	1.23	1.48	1.00	−12	−26	+10	+35	− 4	+25	− 7	+47	+ 0	+ 2		3	2.89
85575	17 29 16.58	+63 52 10.5	8.42	H	262.319 072 03	+63.869 579 00		22.18	0.31	−181.38	0.65	0.70	0.71	0.72	0.77	+ 3	−21	+ 7	− 7	+ 9	+ 0	+ 8	+ 4	− 4	+14		0	−1.05
85576 H	17 29 16.63	−09 59 26.4	7.62	H	262.319 308 90	−09.990 662 31	A	9.10	19.82	12.58	1.95	1.35	1.80	2.02	1.32	+15	−11	−24	+24	−19	+ 6	+ 4	+66	−20	−26		4	1.22
85577	17 29 16.81	−57 24 42.3	8.01	H	262.320 046 96	−57.411 753 00		2.90	−0.65	−9.49	0.83	0.68	1.04	1.01	0.74	− 8	− 8	−10	−17	−33	+18	−29	−24	− 2	−15		1	0.03
*85578	17 29 17.91	−42 20 03.3	7.97	H	262.324 636 42	−42.334 258 14		1.37	2.57	−1.50	1.04	0.72	1.12	1.20	0.79	−14	−30	−13	+23	−22	+ 1	−19	+18	− 6	−27		0	1.54
*85579	17 29 17.12	+29 24 01.9	8.99	G	262.321 327 60	+29.400 529 36		6.22	−10.37	−9.73	0.85	1.01	1.30	1.05	1.26	+ 9	−20	− 4	− 3	+ 7	− 3	+ 5	+23	+10	+ 7		0	0.86
85580 H	17 29 18.91	+37 57 36.0	8.47	H	262.328 786 46	+37.959 988 52	B	6.47	−5.59	−2.37	2.41	2.49	1.68	1.43	1.61	+24	−12	+ 1	+10	+ 3	−17	+ 3	+ 5	− 3	− 4		1	−0.56
85581 H	17 29 19.55	−16 47 29.0	9.71	G	262.331 444 56	−16.791 392 45	A	9.32	−6.58	−11.31	2.52	1.67	2.46	3.00	1.46	+15	−17	− 6	+ 1	−35	−15	− 4	+69	−16	−22		4	−0.05
85582 H	17 29 20.20	+29 23 33.4	8.99	G	262.334 185 38	+29.392 614 62	A	42.40	−196.31	−283.53	3.76	3.33	3.76	4.20	3.55	+19	−17	+ 5	− 7	+ 0	− 7	+ 3	+18	+ 2	+11		0	1.63
85583	17 29 20.47	−38 38 43.6	8.48	H	262.335 290 82	−38.645 450 33		11.64	−8.63	−76.19	1.33	0.92	1.68	1.38	0.99	+21	−53	−52	+17	−27	+10	− 3	+48	−30	−29		0	3.61
85584	17 29 20.84	−40 17 16.3	8.41	H	262.336 817 84	−40.287 874 25		1.44	−7.60	−26.13	1.32	0.89	1.44	1.71	1.19	+15	−40	−13	+17	− 1	+22	− 2	+31	+ 9	+24		0	−1.32
85585	17 29 22.24	+75 38 15.2	8.48	G	262.342 649 60	+75.637 560 12		7.15	−3.40	1.98	0.57	0.43	0.60	0.58	0.60	+17	−27	+ 4	−23	− 1	− 3	+ 5	−13	−13	+11		1	0.04
85586	17 29 23.06	−67 16 49.7	8.05	H	262.346 085 58	−67.280 467 16		3.46	−9.37	−6.08	0.54	0.65	1.00	0.82	0.81	−15	+ 0	− 1	+39	−30	− 1	−26	+29	+ 0	−15		0	−0.38
85587	17 29 23.17	−36 54 02.5	9.52	H	262.346 521 51	−36.900 683 64		0.44	−5.91	3.67	1.64	1.09	1.63	1.94	1.23	− 4	−26	−16	+49	−10	+ 5	− 8	+53	− 5	+ 5		0	0.57
85588	17 29 25.58	−33 45 37.5	8.52	G	262.356 565 71	−33.760 403 55		22.39	31.44	−70.50	1.18	0.62	1.26	1.37	0.62	−21	−28	− 1	+23	−14	− 7	−15	+ 4	+ 6	−31		0	0.15
85589 H	17 29 25.60	−38 31 01.0	6.38	G	262.356 656 11	−38.516 943 48	A	9.83	22.92	9.59	1.52	0.95	1.28	1.23	0.85	− 9	−22	− 9	+27	−13	−10	− 1	+39	−26	− 2		2	−0.58
85590	17 29 26.42	+11 42 16.9	8.30	H	262.360 069 24	+11.704 703 77		2.73	−5.55	13.69	0.90	0.80	1.18	0.96	0.89	+14	−10	+ 2	+30	+40	+16	+42	+26	− 9	+27		0	2.19
85591	17 29 26.71	−18 39 51.2	9.33	G	262.361 277 51	−18.664 214 72		0.12	−5.70	−1.92	1.31	0.75	1.41	1.48	0.76	+11	−44	−25	+22	−10	− 1	+ 3	+56	−17	−13		5	0.91
85592	17 29 26.85	+32 42 33.7	8.77	H	262.361 869 35	+32.709 351 97	A	6.99	8.84	12.98	1.65	1.94	1.77	1.70	2.16	+18	+ 3	+ 3	+11	− 1	−12	+ 0	+ 6	− 2	+15		0	1.10
85593	17 29 27.00	+32 42 46.9	10.68	H	262.362 508 25	+32.713 026 49	B	0.23	15.03	15.46	13.44	17.51	6.93	6.95	9.22	+23	+ 1	+ 1	+ 0	− 6	−15	− 6	− 9	+ 2	+18		0	1.10
85594	17 29 27.45	+54 39 14.7	9.35	H	262.364 360 70	+54.654 095 98		2.36	−18.14	−13.04	0.86	0.83	0.90	0.97	1.01	+ 6	+ 8	− 6	+ 6	+11	+ 2	+11	+22	−20	− 3		0	−0.15
85595 H	17 29 27.68	−40 18 46.0	8.44	H	262.365 353 85	−40.312 764 87	A	0.66	−7.86	−10.04	2.21	1.52	2.18	2.59	1.79	+13	−38	− 3	+11	+ 5	+17	+ 0	+34	+ 6	+20		2	0.56
85596	17 29 28.15	+34 56 19.0	7.17	H	262.367 308 53	+34.938 603 20	A	8.71	−25.90	3.09	1.01	1.09	1.02	1.06	1.23	+11	− 3	+ 0	+ 3	+ 8	− 3	+ 9	+20	+ 5	+11		0	1.62
85597	17 29 28.84	+34 56 12.4	9.17	H	262.370 159 22	+34.936 777 64	B	13.41	−28.05	13.41	7.31	7.63	3.38	4.91	6.09	+17	−12	− 6	+ 5	+ 9	− 5	+11	+18	+ 1	+15		0	1.62
85598	17 29 28.98	−61 45 49.8	6.74	G	262.370 749 65	−61.763 828 06		12.49	−13.98	−8.98	0.53	0.51	0.77	0.63	0.57	−13	−18	−11	+ 1	−17	+20	−14	− 8	−16	−36		0	−1.65
85599	17 29 29.51	−50 23 54.3	7.78	H	262.

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″		ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65		66	67	68-70
85501	7.386	0.006	7.164	0.007		0.212	0.009	T	0.23	0.01	L	7.1969	0.0019	0.021	125		7.17	7.23	1.11	P 1 A			1								S
85502	10.437	0.038	9.043	0.021		1.179	0.034	T	1.14	0.03	L	9.0622	0.0023	0.013	66		9.04	9.10		C			1								
85503	11.072	0.065	9.577	0.028		1.278	0.058	T	3.81	0.09	O	8.9340	0.0167	0.132	81		8.72	9.17		U 2 C			1 G								G
85504	10.162	0.024	9.191	0.017		0.853	0.022	T	0.87	0.02	L	9.2482	0.0025	0.029	171		9.20	9.31					1 S								
85505	11.159	0.059	10.224	0.045		0.945	0.020	G	0.99	0.02	I	10.1974	0.0028	0.022	70		10.16	10.25					1								G
85506	10.937	0.058	9.885	0.038		0.913	0.052	T	0.91	0.04	L	9.8584	0.0056	0.039	66		9.79	9.92		R			1 X								
85507	9.736	0.026	7.546	0.009		1.851	0.023	T	2.53	0.04	O	7.3547	0.0031	0.029	82		7.31	7.40		U 2 C			1								S P
85508	8.989	0.015	8.578	0.015		0.389	0.020	T	0.45	0.02	L	8.6435	0.0024	0.017	86		8.62	8.68					1								
85509	8.690	0.010	8.314	0.011	*	0.367	0.013	T	0.43	0.01	L *	8.3481	0.0018	0.012	105	*	8.33	8.37		D	17285+7430	I 1	2 C	A	AB	294	0.583	0.006	2.05	0.03	S
85510	10.682	0.040	8.872	0.016		1.537	0.035	T	2.23	0.09	O	8.7185	0.0060	0.036	104		8.65	8.77		U 2			1								
85511	9.631	0.016	8.948	0.014		0.620	0.016	T	0.69	0.01	L	9.0254	0.0015	0.019	137		8.99	9.07					1								
85512	9.608	0.019	8.632	0.013		0.831	0.018	G	0.89	0.02	A	8.6585	0.0022	0.019	100		8.63	8.69					1								
85513	9.301	0.016	8.177	0.011		0.968	0.015	T	0.95	0.01	L	8.2297	0.0012	0.013	100		8.21	8.26					1								S
85514	9.221	0.016	9.014	0.018		0.198	0.023	T	0.22	0.03	L	9.0717	0.0019	0.021	85		9.04	9.11		C			1 S								
85515	9.436	0.018	8.885	0.017		0.516	0.022	T	0.59	0.02	L	8.9397	0.0019	0.018	82		8.91	8.96					1								
85516	10.049	0.023	9.697	0.026		0.330	0.015	G	0.38	0.02	H	9.7804	0.0023	0.027	132		9.74	9.84		U			1								G
85517	9.756	0.019	8.391	0.011		1.156	0.017	T	1.12	0.01	L	8.4319	0.0015	0.013	99		8.40	8.46		C			1								
85518	8.199	0.010	7.678	0.009	*	0.511	0.015	G	0.58	0.02	H *	7.7276	0.0013	0.010	114	*	7.71	7.75		D	17286+5122	H 1	2 C	A	AB	86	0.294	0.009	1.98	0.10	S
85519	10.096	0.028	9.512	0.026		0.545	0.034	T	0.62	0.03	L	9.6144	0.0026	0.023	106		9.57	9.65		C			1								
85520	7.355	0.006	6.045	0.004		1.113	0.006	T	1.08	0.01	L	6.0982	0.0010	0.007	98		6.09	6.11			17286−5510	I 1	1								S
85521	7.533	0.007	7.108	0.007	*	0.401	0.009	T	0.47	0.01	L *	7.1531	0.0008	0.006	72	*	7.13	7.16		D	17286−2531	I 1	2 C	A	AB	126	0.470	0.004	0.20	0.02	S
85522	8.999	0.015	8.319	0.013		0.678	0.015	G	0.74	0.01	H	8.3398	0.0056	0.046	81		8.30	8.43		U 2 C			1								S P
85523						1.553	0.017	G	2.40	0.01	A	9.4032	0.0023	0.020	98		9.36	9.43		C			1								
85524	8.017	0.008	7.649	0.009		0.373	0.013	G	0.44	0.01	H	7.6849	0.0011	0.009	95		7.67	7.70		C			1								S
85525	9.082	0.014	8.981	0.017		0.098	0.021	T	0.11	0.02	L	8.9939	0.0017	0.016	116		8.97	9.02		C			1								
85526	11.053	0.058	9.607	0.029	A	1.219	0.051	T	1.18	0.05	L	9.5335	0.0130	0.022	81	A	9.49	9.57			17287−2235	I 1	2 C	B	AB	225	13.473	0.054	2.61	0.15	G
85527	8.967	0.016	8.582	0.017		0.364	0.020	G	0.43	0.02	H	8.6435	0.0013	0.011	69		8.62	8.67		D			1								
85528	10.509	0.038	8.607	0.015		1.613	0.034	T	1.98	0.09	O	8.4942	0.0016	0.018	123		8.46	8.52					1								
85529	9.460	0.018	9.019	0.018		0.430	0.020	T	0.50	0.02	L	9.0509	0.0026	0.022	120		9.02	9.09					1								
85530	6.510	0.004	6.621	0.005		−0.095	0.006	T	−0.08	0.01	L	6.6154	0.0008	0.009	139		6.60	6.63			17288−8247	I 1	1								S
85531	7.989	0.010	7.823	0.010		0.184	0.013	G	0.20	0.01	H	7.8629	0.0010	0.009	85		7.85	7.88		C			1								S
85532	8.747	0.009	8.178	0.008		0.542	0.017	G	0.62	0.02	H	8.2294	0.0015	0.017	164		8.21	8.27					1								S
85533	12.568	0.327	10.501	0.076		1.267	0.015	G	1.44	0.03	I	10.5465	0.0056	0.037	68		10.48	10.62		C			1								G
85534	7.272	0.007	7.079	0.007		0.185	0.009	T	0.20	0.01	L	7.1240	0.0014	0.009	76		7.11	7.14		C			1								S
85535	11.794	0.109	10.848	0.077		0.834	0.099	T	0.85	0.07	L	11.0746	0.0033	0.030	96		11.03	11.12					1								G
85536	9.101	0.020	8.627	0.021		0.459	0.023	T	0.53	0.02	L	8.6848	0.0021	0.016	78		8.66	8.71		C			1 G								
85537	5.700	0.003	5.447	0.003		0.237	0.004	T	0.26	0.01	L	5.4822	0.0012	0.009	113		5.47	5.50		M			1								S
85538	9.390	0.020	8.703	0.017		0.651	0.015	G	0.71	0.01	H	8.7607	0.0016	0.012	78		8.74	8.78		C			1								
85539	9.832	0.021	8.011	0.009		1.515	0.018	T	1.55	0.03	L	7.9019	0.0021	0.018	116		7.87	7.93		U			1								S
85540	8.574	0.006	7.340	0.004		1.054	0.006	T	1.02	0.01	L	7.3883	0.0008	0.011	248		7.37	7.41		C			1								S
85541	11.438	0.094	8.951	0.020		2.095	0.079	T	3.16	0.13	O	8.6465	0.0040	0.029	77		8.60	8.68		U 2			1								
85542	9.215	0.012	8.606	0.011		0.567	0.014	T	0.64	0.01	L	8.6609	0.0016	0.019	166		8.62	8.69					1								
85543	7.413	0.010	6.110	0.006		1.112	0.002	G	1.07	0.00	H	6.1480	0.0009	0.006	76		6.14	6.17					1 S								S
85544	10.751	0.051	10.248	0.057		0.549	0.020	G	0.62	0.02	H	10.3162	0.0044	0.029	89		10.26	10.38					1 S								G
85545	8.260	0.014	7.961	0.012	B	0.500	0.495	G	0.24	0.02	L *	7.1455	0.0012	0.009	113	*	7.13	7.17		D	17290+5052	I 1	2 C	A	AB	260	3.075	0.002	0.33	0.01	S
85546	9.959	0.019	8.870	0.013		0.941	0.018	T	0.93	0.01	L	8.9335	0.0017	0.019	122		8.91	8.97		C			1								
85547	8.008	0.008	8.122	0.011		−0.089	0.002	G	−0.07	0.00	H	8.1007	0.0019	0.017	107		8.07	8.13					1								S
85548	9.104	0.017	8.451	0.016	*	0.597	0.017	T	0.67	0.01	L *	8.5208	0.0012	0.013	77	*	8.50	8.54			17290−2420	I 1	2 C	C	AB	344	0.771	0.046	4.06	0.41	
85549	6.232	0.005	6.286	0.006	A	−0.010	0.015	G	0.02	0.03	A	6.2827	0.0059	0.018	88	A	6.26	6.32		D	17290−4358	I 1	2 C	A	AB	168	13.430	0.009	2.37	0.05	S
85551	9.952	0.024	8.815	0.015		0.978	0.022	T	0.96	0.02	L	8.8530	0.0016	0.015	130		8.83	8.89					1								
85552	9.969	0.039	9.273	0.035		0.630	0.039	T	0.70	0.04	L	9.3756	0.0024	0.022	75		9.33	9.41					1								
85553	9.437	0.020	7.461	0.008		1.674	0.018	T	2.51	0.04	O	7.2426	0.0066	0.040	92		7.17	7.30		U 2			1 S								S
85554	9.619	0.018	8.010	0.009		1.348	0.016	T	1.31	0.02	L	8.0318	0.0014	0.014	110		8.01	8.06					1								S
85555	10.142	0.029	9.670	0.029	*	0.445	0.037	T	0.51	0.04	L *	9.6736	0.0035	0.027	107	*	9.60	9.72		D	17290+3845	M 1	2 C	A	AB	96	0.294	0.004	0.37	0.06	
85556	8.560	0.009	8.103	0.009		0.431	0.012	T	0.50	0.01	L	8.1432	0.0015	0.014	137		8.12	8.17					1								S
85557	10.174	0.026	8.911	0.016		1.076	0.024	T	1.04	0.02	L	8.9734	0.0018	0.020	110		8.94	9.01					1								
85558	9.495	0.018	8.849	0.017	*	0.592	0.019	T	0.66	0.02	L *	8.9503	0.0023	0.024	141	*	8.92	9.00		D	17291−7951	I 1	2 C	A	AB	222	9.232	0.008	1.92	0.04	
85559	11.920	0.104	11.352	0.099		0.840	0.020	G	0.86	0.01	H	11.5239	0.0038	0.044	211		11.44	11.60					1								G
85560	9.573	0.017	7.695	0.007		1.560	0.015	T	1.58	0.01	L	7.6499	0.0028	0.025	106		7.61	7.68		U 2			1								S
85561	11.369	0.088	9.788	0.037		1.272	0.004	G	1.45	0.01	I	9.7164	0.0038	0.021	74		9.68	9.75					1								G
85562	8.641	0.013	7.993	0.011		0.594	0.013	T	0.66	0.01	L	8.0325	0.0011	0.011	82		8.01	8.05		C			1								S
85563	9.477	0.013	9.042	0.013		0.411	0.017	T	0.48	0.02	L	9.0855	0.0017	0.021	163		9.05	9.12		C			1								
85564	9.183	0.014	8.128	0.010		0.915	0.013	T	0.91	0.01	L	8.1926	0.0019	0.015	100		8.17	8.22					1								
85565	10.320	0.026	10.071	0.032		0.237	0.039	T	0.26	0.05	L	10.1561	0.0033	0.036	173		10.08	10.22					1								G
85566	8.340	0.009	8.089	0.010		0.239	0.013	T	0.27	0.02	L	8.1277	0.0015	0.012	103		8.10	8.14		C			1								S
85567	8.808	0.009	8.079	0.008		0.669	0.010	T	0.73	0.01	L	8.1368	0.0012	0.014	203		8.11	8.16					1								S
85568	7.947	0.008	7.902	0.008		0.046	0.010	T	0.06	0.01	L	7.9164	0.0013	0.013	127		7.89	7.94		C			1								S
85569	6.976	0.006	7.000	0.008		−0.017	0.009	T	0.01	0.01	L	6.9959	0.0012	0.019	93		6.98	7.10	8.77	P 1 A			1								S P
85570	7.843	0.010	7.735	0.009		0.105	0.013	T	0.12	0.01	L	7.7581	0.0012	0.011	84		7.73	7.78					1								S
85571	9.012	0.011	8.827	0.013		0.177	0.016	T	0.19	0.02	L	8.8720	0.0017	0.020	164		8.83	8.92					1								
85572	7.977	0.007	7.848	0.007		0.125	0.009	T	0.14	0.01	L	7.8892	0.0012	0.015	159		7.87	7.93					1								S
85573	9.588	0.016	8.516	0.011		0.928	0.015	T	0.92	0.01	L	8.6049	0.0014	0.014	119		8.58	8.64					1								
85574	8.268	0.014	8.187	0.017		0.057	0.006	G	0.07	0.01	H	8.1923	0.0020	0.013	59		8.17	8.22		C			1 S								
85575	9.273	0.016	8.474	0.013		0.708	0.016	T	0.76	0.01	L	8.5609	0.0015	0.011	91		8.54	8.58		C			1								
85576	8.374	0.040	7.750	0.031	A	0.400	0.495	G	0.62	0.05	L *	7.7439	0.0009	0.010	92	*	7.73	7.76		D	17293−0959	I 1	2 C	A	AB	61	1.506	0.005	0.18	0.01	S
85577	9.318	0.014	8.122	0.009		1.024	0.013	T	1.00	0.01	L	8.1788	0.0016	0.016	143		8.15	8.21		C			1								
85578	9.606	0.025	8.106	0.014		1.262	0.023	T	1.22	0.02	L	8.1296	0.0020	0.014	69		8.11	8.16		C			1								
85579	9.383	0.016	9.123	0.018		1.143	0.005	G	0.29	0.13	S	9.1717	0.0035	0.035	121		9.12	9.23		R	17293+2924	I 2	1								
85580	8.642	0.010	8.502	0.011	*	0.135	0.014	T	0.15	0.01	L *	8.5158	0.0016	0.017	122	*	8.49	8.55		D	17293+3758	I 1	2 C	A	BA	316	0.357	0.003	0.12	0.03	
85581	10.451	0.046	9.760	0.039	A	0.600	0.020	G	0.67	0.02	H *	9.8297	0.0026	0.019	78	*	9.78	9.86			17293−1647	H 1	2 C	B	AB	90	8.308	0.054	2.96	0.17	G
85582	10.538	0.034	9.167	0.018	*	1.143	0.005	G	1.24	0.01	I *	9.0939	0.0026	0.027	121	*	9.06	9.15		D	17293+2924	I 2	2 C	A	AB	249	0.676	0.004	0.46	0.02	
85583	9.208	0.023	8.582	0.020		0.578	0.023	T	0.65	0.02	L	8.6097	0.0022	0.014	54		8.59	8.64		C			1 S								
85584	10.060	0.046	8.562	0.024		1.260	0.041	T	1.22	0.04	L	8.5734	0.0019	0.016	53		8.55	8.60		C			1								
85585	8.854	0.012	8.503	0.012		0.368	0.015	G	0.43	0.02	H	8.5591	0.0011	0.010	105		8.54	8.57					1								
85586	9.556	0.012	8.189	0.007		1.158	0.011	T	1.12	0.01	L	8.2208	0.0013	0.016	197		8.19	8.25					1								
85587	10.579	0.067	9.753	0.052		0.728	0.065	T	0.78	0.05	L	9.6637	0.0021	0.018	63		9.64	9.70					1								G
85588	9.350	0.023	8.584	0.019		0.675	0.015	G	0.73	0.01	H	8.6610	0.0018	0.018	82		8.63	8.69					1								
85589	6.503	0.006	6.402	0.005	*	0.091	0.006	G	0.10	0.01	H *	6.4081	0.0010	0.007	58	*	6.40	6.42		D	17294−3831	I 1	2 C	A	AB	100	0.503	0.002	0.45	0.01	S
85590	10.149	0.029	8.469	0.013		1.404	0.025	T	1.38	0.03	L	8.4435	0.0022	0.015	81		8.42	8.47		C			1								
85591	9.495	0.024	9.365	0.031		0.157	0.004	G	0.17	0.00	H	9.3784	0.0033	0.026	74		9.34	9.41					1								
85592	9.175	0.019	8.809	0.020	A	0.347	0.026	T	0.41	0.04	L	8.8479	0.0079	0.040	142	A	8.80	8.93		D	17294+3243	I 2	1 C P A								
85593	11.160	0.057	10.392	0.044	B	0.700	0.056	T	0.76	0.05	L	10.9469	0.0485			B				D	17294+3243	I 2	1 C I A								
85594	10.781	0.047	9.477	0.024		1.108	0.041	T	1.07	0.04	L	9.5256	0.0024	0.020	96		9.49	9.55		C			1								
85595	8.767	0.017	8.596	0.020	A	−0.400	0.495	G	0.09	0.05	L *	8.4725	0.0021	0.013	55	*	8.44	8.50		D	17295−4019	I 1	2 C	A	AB	256	3.711	0.013	1.81	0.04	
85596	8.529	0.008	7.260	0.005	A	1.081	0.007	T	1.04	0.01	L	7.3387	0.0037	0.017	157	A	7.32	7.38		D	17295+3456	I 2	1 C P A								S
85597	9.842	0.021	9.183	0.019	B	0.611	0.024	T	0.68	0.02	L	9.3302	0.0222			B				D	17295+3456	I 2	1 C I A								
85598	7.143	0.005	6.767	0.005		0.374	0.004	G	0.44	0.00	H	6.8196	0.0012	0.010	135		6.80	6.84			17295−6146	I 1	1 S								S
85599	9.283	0.020	7.949	0.012		1.132	0.018	T	1.10	0.02	L	7.9514	0.0015	0.011	83		7.93	7.97		C			1 S								
85600	9.620	0.022	7.735	0.010		1.566	0.019	T	1.58	0.02	L	7.6796	0.0009	0.008	90		7.66	7.69					1								

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)														Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ $\alpha*$	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr													%		
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
85601	17 29 30.97	+03 00 26.5	8.44	H	262.379 023 11	+03.007 364 78		2.38	−4.75	−13.85	0.83	0.61	1.05	0.94	0.73	−14	−26	+ 1	+18	+ 1	−14	+ 3	+27	− 5	−17		0	0.87
85602	17 29 31.58	+20 32 23.4	8.73	H	262.381 584 19	+20.539 838 28		12.43	−51.89	−11.18	0.90	0.87	1.37	1.23	1.10	+14	−22	−21	+ 5	+10	−21	+11	+19	−23	+ 6		0	−0.25
85603	17 29 32.74	−00 10 08.8	7.81	H	262.386 432 25	−00.169 106 44		6.88	0.92	−5.40	0.79	0.55	0.91	1.08	0.63	+ 3	− 4	−13	+16	+48	−18	+43	+24	+ 2	−14		0	−1.53
85604	17 29 35.97	−52 51 31.2	9.16	H	262.399 860 71	−52.858 660 92		8.18	−18.62	−52.41	1.36	0.94	1.52	1.53	0.97	− 7	−28	−11	− 6	+18	− 5	+17	−14	− 7	− 9		0	−0.20
85605	17 29 36.19	+24 39 11.6	11.39	H	262.400 786 67	+24.653 221 44	B	202.69	97.33	348.92	39.85	57.94	39.48	26.69	41.28	+ 7	− 3	− 3	−13	+11	− 4	+10	− 2	− 2	+16		1	1.44
85606	17 29 37.02	+01 33 19.0	8.15	H	262.404 252 43	+01.555 279 20		2.32	−1.82	−9.20	0.98	0.60	1.09	1.08	0.64	+ 1	−33	+13	+33	+40	+ 9	+39	+24	−13	+ 5		0	−0.02
85607	17 29 37.48	+24 39 24.5	9.39	H	262.406 176 22	+24.656 819 39	A	2.72	−9.37	1.87	2.30	3.16	3.44	2.39	3.65	+ 8	− 2	− 1	−15	+10	− 6	+10	− 2	− 4	+16		1	1.44
85608	17 29 37.72	+09 32 13.1	9.79	H	262.407 174 56	+09.536 976 92		2.00	16.59	−19.38	1.27	1.04	1.64	1.33	1.13	+17	−25	− 6	+31	+41	+ 7	+41	+31	− 4	+22		0	1.16
85609	17 29 38.73	−73 08 58.8	8.61	H	262.411 364 82	−73.149 653 81		7.52	−15.72	−87.14	0.57	0.81	1.06	0.67	1.04	− 4	− 9	− 8	− 0	− 6	+ 1	− 5	−15	− 2	− 3		0	0.37
85610 H	17 29 40.70	−49 47 23.6	7.82	H	262.419 577 14	−49.789 875 03	*	14.55	4.62	−44.59	2.21	1.27	1.37	1.64	0.96	− 6	−36	+ 4	+29	+16	−11	+25	−35	− 5	+13		3	0.21
85611	17 29 41.24	+10 21 52.5	8.31	H	262.421 831 08	+10.364 587 97		2.01	−35.59	14.72	0.89	0.71	1.13	1.02	0.80	+12	− 8	+ 7	+26	+32	+19	+31	+29	− 6	+20		0	−0.46
85612	17 29 41.42	+71 16 13.1	8.60	H	262.422 595 06	+71.270 313 32		2.93	1.85	5.81	0.67	0.65	0.68	0.69	0.71	+12	−16	− 9	+10	+13	− 9	+14	+11	−13	+24		0	1.90
85613	17 29 42.54	−28 38 06.4	9.04	H	262.427 268 08	−28.635 108 06		0.14	2.27	−2.17	1.28	0.67	1.40	1.50	0.67	− 3	−40	−21	+25	−21	−22	−29	+11	+18	−40		0	0.32
85614	17 29 43.14	+33 56 00.1	9.66	H	262.429 748 42	+33.933 354 64		1.66	−3.74	−17.84	0.86	0.93	1.12	0.94	1.05	+ 8	−19	−20	− 3	+ 6	− 2	+ 6	− 4	+ 3	+ 3		0	−0.05
85615	17 29 43.55	−52 54 59.6	11.45	H	262.431 452 94	−52.916 550 91		3.12	6.05	−7.63	3.39	2.20	3.66	4.05	2.39	+ 2	−32	− 7	− 9	+15	+ 0	+14	−11	− 5	+ 9		0	−0.68
85616	17 29 43.65	+22 18 17.8	8.59	H	262.431 864 22	+22.304 952 68		3.25	−52.51	−61.23	0.55	0.81	1.36	0.86	1.21	−18	−17	− 4	+ 4	+25	− 4	+26	+ 7	−37	−11		0	1.04
85617	17 29 43.66	−19 28 22.9	7.51	2 H	262.431 929 51	−19.473 030 50	*	3.57	9.36	1.38	1.33	0.72	1.34	2.06	0.75	− 5	−26	− 7	+12	−22	+ 1	− 4	+44	−29	−22		14	1.11
85618 H	17 29 44.00	−08 01 02.9	8.55	H	262.433 316 88	−08.017 481 17	A	6.04	−14.11	−21.19	3.05	1.73	2.15	2.60	1.16	+ 0	+ 4	−18	−15	− 4	−38	+ 6	+44	− 9	−16		2	0.59
85619	17 29 44.29	+42 51 32.8	10.47	H	262.434 560 45	+42.859 105 89		1.51	20.31	−5.26	1.09	1.05	1.23	1.21	1.33	− 5	+ 5	− 5	−26	+ 0	−16	+ 1	+10	+ 6	−10		0	−0.37
85620	17 29 44.45	+63 51 11.2	7.66	H	262.435 199 80	+63.853 097 49		22.32	2.48	−182.16	0.60	0.60	0.63	0.63	0.67	+ 3	−21	+ 9	−14	+ 8	+ 4	+ 6	+ 4	− 2	+16		0	1.44
85621	17 29 45.11	+09 02 43.3	10.51	2 H	262.437 968 80	+09.045 356 26		1.52	−4.01	3.99	1.43	1.27	1.89	1.62	1.40	+11	−15	−17	+25	+40	+ 1	+41	+26	− 9	+25		0	1.17
85622 H	17 29 47.37	−05 55 09.6	6.36	G	262.447 363 11	−05.919 322 63	A	13.88	−33.13	−64.40	1.19	0.73	1.18	1.30	0.66	−10	−22	−11	+ 4	+27	−20	+17	+48	−29	+17		5	0.48
85623	17 29 47.68	+78 19 58.6	9.77	H	262.448 664 89	+78.332 941 04		2.56	4.14	6.69	0.76	0.73	0.81	0.84	0.85	+ 7	−14	+ 0	−20	+ 7	− 7	+ 5	+11	+ 6	+14		0	−0.16
85624	17 29 48.40	−23 15 44.8	9.61	H	262.451 675 89	−23.262 452 22		4.60	−6.54	−19.17	1.67	0.93	1.78	1.73	0.90	−24	−44	−11	+21	−46	+12	−27	+59	−18	−42		0	1.40
85625	17 29 48.59	+05 30 24.0	8.77	H	262.452 443 63	+05.506 660 27		2.81	−9.34	−6.70	0.95	0.71	1.20	1.08	0.74	+ 4	−27	−22	+25	+25	−16	+20	+14	− 1	− 4		0	−0.81
85626 H	17 29 51.43	+15 57 50.7	8.12	H	262.464 301 29	+15.964 078 92	*	7.31	−8.37	−34.52	2.55	2.05	1.50	1.13	1.26	+ 2	−14	−11	+34	+41	−10	+40	+36	− 7	+36		5	0.99
85627	17 29 51.48	−39 42 22.0	8.53	H	262.464 519 90	−39.706 124 57		−1.37	2.11	−8.24	1.27	0.88	1.33	1.71	1.17	+12	−33	−22	+35	+ 4	+ 1	+ 1	+28	+ 9	− 1		0	0.04
85628	17 29 52.17	−44 44 29.8	7.53	H	262.467 377 36	−44.741 616 19		0.07	0.75	−15.89	0.94	0.57	1.06	1.26	0.63	+ 3	−15	+19	+37	−17	−12	+ 2	− 4	−25	+34		0	−0.46
85629	17 29 54.23	−47 00 22.8	8.38	G	262.475 943 35	−47.006 341 07		9.97	14.35	15.40	1.35	0.66	1.38	1.53	0.67	+12	−43	− 1	+46	+19	− 4	+24	−11	+ 1	+31		0	2.22
85630	17 29 56.26	−01 18 22.9	8.51	H	262.484 413 01	−01.306 365 12	A	7.44	9.25	−1.42	1.40	0.94	1.52	1.72	0.93	− 5	+20	− 3	+ 1	+59	−25	+55	+18	+30	+ 2		0	0.12
85631	17 29 57.94	−06 54 42.4	8.33	H	262.491 420 28	−06.911 770 79		4.27	18.53	−11.27	1.03	0.64	1.10	1.17	0.66	− 9	−27	− 9	+17	−10	+13	− 3	+50	− 9	−26		0	2.54
85632	17 29 58.40	−17 48 51.8	7.68	H	262.493 332 89	−17.814 380 22		13.11	−32.11	−80.79	1.00	0.61	1.05	1.16	0.61	−23	−31	−13	+27	−34	+ 6	−20	+67	−23	−36		2	0.02
85633	17 29 59.31	−43 33 07.5	8.48	H	262.497 121 08	−43.552 071 30		11.23	32.40	−14.68	1.05	0.80	1.12	1.29	0.95	−17	−19	−13	+29	−23	+ 0	−20	+41	−12	−11		0	1.34
85634	17 30 01.56	+59 41 18.9	7.95	H	262.506 510 41	+59.688 585 69		5.87	32.01	−52.00	0.61	0.61	0.63	0.65	0.77	+18	+14	+13	+ 5	+16	− 1	+18	+13	− 7	+12		0	2.21
85635	17 30 03.64	−37 03 13.2	8.41	H	262.515 151 21	−37.053 660 05		5.19	−1.84	−3.61	1.60	0.86	1.73	1.56	1.01	+ 4	−66	−16	+64	− 6	−40	−17	+55	+11	−16		0	1.69
85636	17 30 04.21	+14 27 44.9	8.52	H	262.517 561 97	+14.462 462 99		3.92	−3.49	−18.88	0.87	0.86	1.03	0.82	0.85	+24	−19	+13	+36	+60	+ 8	+59	+40	+ 3	+44		0	−1.63
85637	17 30 04.68	+43 18 38.1	8.46	H	262.519 514 79	+43.310 572 35		3.80	11.57	5.74	0.61	0.71	0.73	0.65	0.79	+ 2	+ 0	− 8	− 7	+ 6	− 9	+ 6	+22	+ 2	+ 3		1	0.13
85638	17 30 04.88	−01 59 12.4	8.58	H	262.520 339 13	−01.986 777 04		4.42	−26.92	−44.28	1.07	0.64	1.25	1.28	0.64	+ 9	−25	+ 2	+21	+37	−10	+32	+30	− 2	+ 2		0	−0.73
85639	17 30 05.34	+44 31 08.8	8.68	H	262.522 263 95	+44.519 100 30		25.28	−14.99	134.95	0.68	0.78	0.81	0.77	1.00	− 4	+10	−15	+ 4	− 7	−15	− 8	+42	−13	−11		0	0.14
85640	17 30 05.38	−01 02 16.1	8.91	H	262.522 407 00	−01.037 816 50		3.35	12.67	−2.65	0.99	0.65	1.25	1.36	0.69	− 8	+13	−19	+ 5	+51	−30	+43	+13	−12	−16		2	1.42
85641 H	17 30 05.64	−33 42 58.9	6.68	H	262.523 491 19	−33.716 360 14	A	−0.39	1.35	−2.45	1.08	0.67	1.01	1.23	0.66	−29	+ 0	−22	+38	−36	+12	−29	+36	− 4	−30		6	−0.16
85642 H	17 30 06.50	−22 57 04.8	8.93	H	262.527 103 75	−22.951 320 59	A	6.78	33.59	−6.78	1.89	1.26	1.72	2.01	1.15	+ 1	−18	−11	+16	−33	+ 1	−18	+54	−13	−22		1	0.15
85643	17 30 07.39	+66 56 21.7	8.48	H	262.530 794 09	+66.939 352 14		2.88	4.75	6.29	0.67	0.67	0.70	0.75	0.80	+14	−27	+ 0	+ 1	+ 6	− 3	+ 9	+ 4	−12	+34		2	1.94
85644	17 30 07.51	+47 16 05.2	9.15	2 H	262.531 286 88	+47.268 124 81		−0.36	−0.82	−5.04	0.80	0.82	0.89	0.99	0.97	+ 9	− 1	+ 2	− 7	+12	+ 5	+10	+10	+ 5	+21		0	−0.50
85645	17 30 09.07	+48 08 13.8	8.41	G	262.537 785 75	+48.137 154 95		3.47	−7.69	7.24	0.68	0.70	0.77	0.84	0.84	+ 7	− 8	+16	− 5	+ 0	−14	+ 1	+20	− 6	+16		0	−1.03
85646	17 30 11.39	+45 38 38.8	8.21	H	262.547 473 67	+45.644 109 25		2.91	22.40	21.33	0.70	0.76	0.79	0.95	0.84	+18	−21	−23	+19	+34	−20	+25	+24	+ 3	+21		0	−1.33
85647	17 30 11.45	−51 38 11.5	9.58	G	262.547 699 26	−51.636 525 31		61.98	−259.23	−185.69	1.37	0.97	1.81	1.46	0.92	−18	−35	+28	+12	+ 3	−23	+21	−32	−34	+ 5		0	−0.13
85648	17 30 13.06	+53 04 42.4	9.57	H	262.554 437 18	+53.078 449 26		2.29	6.46	−10.20	0.89	0.91	0.98	1.10	1.02	+15	+ 4	+11	+14	+ 6	−17	+ 7	+11	−20	+24		1	0.50
85649	17 30 13.27	−69 53 44.0	8.91	H	262.555 295 56	−69.895 567 18		1.55	9.48	−31.42	0.53	0.89	1.23	0.57	1.01	+17	− 6	−13	−33	−17	+ 5	−13	+ 1	−13	+ 7		0	0.12
85650	17 30 14.24	+43 58 08.4	9.69	H	262.559 316 90	+43.969 001 45		8.53	−224.70	−288.76	0.81	0.96	0.99	0.85	1.15	+ 8	+13	− 2	− 1	+ 2	+ 1	+ 2	+26	− 2	+ 8		0	0.14
85651	17 30 14.62	+29 30 26.8	7.95	H	262.560 918 85	+29.507 438 04		1.93	−7.42	17.93	0.58	0.69	0.91	0.74	0.84	+ 6	−13	− 5	+11	+ 3	−13	+ 3	+15	− 6	+ 4		0	0.53
85652 H	17 30 15.89	−35 51 35.1	8.19	H	262.566 202 45	−35.859 738 44	A	3.65	−0.85	−4.14	1.49	1.42	1.31	1.72	1.25	− 9	−25	−11	+28	−24	−10	−12	+50	− 6	−48		2	0.32
85653	17 30 16.28	+47 24 07.3	7.22	H	262.567 813 02	+47.402 016 68		44.77	174.31	76.82	0.54	0.54	0.59	0.66	0.63	+11	+ 2	+12	− 8	+ 6	− 1	+ 3	+13	+ 1	+23		0	−2.69
85654	17 30 17.02	−74 54 27.2	8.38	H	262.570 932 58	−74.907 553 29		3.82	−1.14	8.15	0.55	0.77	0.96	0.61	0.97	− 5	−14	+ 5	+11	− 9	+ 1	− 9	− 1	−14	−14		0	−2.08
85655	17 30 18.65	+22 02 07.6	7.67	1 H	262.577 688 17	+22.035 451 94		5.80	−13.52	21.67	0.47	0.62	1.02	0.84	0.86	− 6	− 9	+ 4	+13	+31	+ 3	+26	+ 9	−16	+ 5		0	0.42
85656 H	17 30 19.41	−51 58 38.9	8.11	H	262.580 871 49	−51.977 462 40	B	5.23	−0.20	−13.34	3.57	2.39	2.56	2.68	1.76	+15	− 7	−11	+ 1	+11	−27	+ 7	−15	− 3	−26		2	0.30
*85657	17 30 19.68	+63 46 38.8	7.33	H	262.582 011 94	+63.777 441 17		3.30	−0.96	25.77	0.58	0.56	0.60	0.58	0.59	+ 3	−12	+ 2	−25	+ 0	+ 3	+ 0	−12	− 7	+ 6		1	1.61
*85658	17 30 19.65	−11 37 17.5	8.87	H	262.581 866 41	−11.621 533 67		2.90	−10.47	3.21	1.16	0.75	1.18	1.27	0.74	−28	−29	+ 2	+21	−20	+ 7	−15	+67	−16	−31		2	0.67
85659	17 30 19.72	−63 51 06.4	8.80	H	262.582 160 06	−63.851 771 28		2.71	−2.79	−16.08	0.92	0.87	1.24	1.06	1.01	− 2	− 4	−15	−16	− 5	+19	− 8	+ 8	+ 8	+20		0	0.24
85660	17 30 19.87	−34 28 49.7	8.64	H	262.582 785 30	−34.480 477 09		6.74	3.51	−10.53	1.28	0.81	1.35	1.46	0.93	−11	−37	− 2	+36	− 9	− 3	− 5	+47	− 8	−21		0	−0.17
85661	17 30 20.00	−04 22 09.8	6.72	H	262.583 314 92	−04.369 398 24		11.52	0.97	0.00	0.74	0.42	0.84	0.89	0.41	+34	−26	+ 3	+30	+42	+21	+35	+26	+ 5	+37		0	2.45
85662	17 30 22.09	−08 52 22.0	9.21	H	262.592 043 65	−08.872 785 17		4.81	−1.44	−4.50	1.18	0.65	1.22	1.42	0.67	+ 8	−27	−14	+ 5	+11	− 4	+14	+49	−11	− 2		0	1.36
85663	17 30 22.12	−40 35 52.8	8.73	H	262.592 160 11	−40.597 990 40		7.81	−12.94	−20.34	1.37	0.95	1.44	1.73	1.19	−14	−21	− 3	+30	−14	+13	−12	+36	− 3	−17		0	0.91
85664	17 30 22.22	+10 46 06.9	7.09	H	262.592 574 07	+10.768 573 04		3.95	28.13	−103.99	0.76	0.61	0.96	0.86	0.67	+ 6	−23	+ 6	+31	+27	+14	+28	+36	−19	+11		0	1.41
*85665	17 30 22.71	+05 32 56.8	9.33	G	262.594 628 45	+05.549 123 50		100.17	28.33	−248.17	1.07	0.76	1.30	1.18	0.78	+14	−29	−21	+24	+33	−14	+29	+22	− 8	+20		0	−1.20
*85666	17 30 22.65	+11 55 26.3	6.47	H	262.594 362 11	+11.923 981 12		10.55	11.67	14.06	0.68	0.51	0.79	0.73	0.58	+12	−17	+ 8	+30	+35	+12	+38	+27	−15	+21		2	1.60
85667 H	17 30 23.87	−01 03 45.0	5.31	G	262.599 464 96	−01.062 503 65	A	60.80	−126.64	−172.00	1.50	1.03	1.42	1.72	0.91	−11	+13	−17	+ 9	+60	−30	+49	+21	+18	− 5		9	0.82
85668	17 30 24.90	−66 52 11.8	6.99	H	262.603 767 82	−66.869 947 67		2.45	−1.48	−9.20	0.39	0.46	0.69	0.54	0.55	− 9	− 8	− 3	+27	−28	+ 3	−25	+27	− 1	−14		0	−1.03
85669	17 30 25.42	+53 09 16.7	8.82	H	262.605 909 10	+53.154 636 26		1.74	−19.71	26.56	0.75	0.76	0.83	0.95	0.84	+11	+ 6	+12	+10	+ 7	−23	+ 8	+13	−14	+20		0	0.22
85670	17 30 25.98	+52 18 04.9	2.79	1 H	262.608 237 08	+52.301 359 01		9.02	−15.59	11.57	0.43	0.47	0.49	0.43	0.52	+ 4	−18	+ 9	+ 5	+ 2	− 1	+ 5	+ 5	−17	+ 5		1	−0.81
85671	17 30 26.78	+22 52 22.8	7.57	H	262.611 569 59	+22.873 011 97		3.18	−0.25	−7.11	0.46	0.58	0.81	0.58	0.74	− 5	−24	− 2	−19	+24	+10	+28	+ 2	−29	− 3		1	2.30
85672	17 30 28.53	+40 08 03.2	9.11	2 H	262.618 892 55	+40.134 226 55		2.16	5.06	8.35	0.66	0.69	0.79	0.74	0.82	+ 5	− 4	−10	+ 1	+13	− 3	+14	+ 4	+ 4	+ 9		0	0.68
85673	17 30 29.07	−43 45 14.5	7.50	H	262.621 122 48	−43.754 020 65		3.41	2.88	−30.86	0.88	0.73	0.92	1.08	0.88	−29	−16	−12	+39	−29	+ 3	−27	+54	−19	−13		0	2.22
85674	17 30 29.15	−15 25 56.5	9.99	G	262.621 455 51	−15.432 356 54		1.86	−25.19	−18.17	1.57	0.78	1.73	1.56	0.76	− 9	−53	− 6	+ 6	−30	+ 4	− 7	+59	−20	−27		0	0.30
85675 H	17 30 29.30	−10 05 46.3	8.14	H	262.622 086 58	−10.096 186 56	A	20.34	11.68	−26.52	2.12	1.27	1.75	1.90	1.06	− 5	−24	−24	+23	−27	−10	− 4	+70	−17	−33		1	0.42
85676	17 30 30.66	−34 32 20.5	8.28	2 H	262.627 740 07	−34.539 023 38		3.66	1.82	−12.91	1.04	0.70	1.17	1.15	0.80	−17	−36	− 1	+19	− 8	− 9	− 5	+33	− 7	−19		0	0.86
85677	17 30 31.53	−32 55 44.9	9.10	H	262.631 360 27	−32.929 141 20		2.42	2.38	−1.55	1.19	0.75	1.33	1.53	0.91	− 5	−31	−19	+ 4	−15	− 9	−13	+15	+ 3	−37		0	−1.49
85678	17 30 31.56	+68 44 53.6	7.86	H	262.631 499 08	+68.748 226 34		2.29	6.78	−22.32	0.67	0.64	0.69	0.85	0.80	+ 4	− 4	+10	−34	+ 1	−18	− 1	−15	−30	+28		0	0.17
85679	17 30 32.15	−14 46 21.3	8.72	H	262.633 937 65	−14.772 573 04		5.61	−4.65	1.34	1.12	0.67	1.19	1.25	0.65	−27	−30	+ 0	+18	−27	+ 2	−18	+69	−17	−31		2	0.50
85680	17 30 33.36	−33 39 15.8	8.49	1 H	262.639 001 79	−33.654 401 70		2.46	−6.02	−5.68	1.26	0.83	1.38	1.58	0.98	−21	−32	− 9	+32	−12	+ 9	− 6	+43	−17	−24		0	0.13
85681 H	17 30 33.65	−27 12 11.8	8.55	H	262.640 210 95	−27.203 273 31	A	11.20	−25.88	−3.56	1.88	1.08	1.82	2.10	0.91	+38	−11	− 2	−25	−42	−18	−35	−11	−12	+26		1	0.38
85682	17 30 33.89	−43 13 33.6	6.94	H	262.641 211 16	−43.226 003 33		12.43	40.44	−27.40	0.76	0.62	0.83	0.90	0.72	−19	−21	−16	+25	−26	+ 3	−20	+38	−17	−28		0	1.65
85683	17 30 35.20	+17 31 13.7	6.91	H	262.646 683 25	+17.520 470 75	+	19.61	−110.06	129.46	1.05	1.25	0.96	1.07	2.91	−75	−33	+15	+25	−33	− 2	+81	−81	−32	+43		2	0.58
85684	17 30 35.93	−38 31 10.7	8.49	H	262.649 709 57	−38.519 631 00		7.41	7.63	−25.70	1.20	0.86	1.30	1.37	0.98	− 9	−25	−21	+40	−33	− 9	−26	+43	−27	−18		0	1.74
*85685 H	17 30 39.43	−43 03 42.3	8.48	H	262.664 286 50	−43.061 758 14	A	−0.01	1.79	−0.07	2.14	1.58	1.98	2.35	1.71	−12	− 9	−21	+17	−33	+20	−33	+39	−13	−12		1	0.47
*85686	17 30 39.42	+46 20 30.3	9.95	H	262.664 257 87	+46.341 752 22		23.64	−224.37	185.63	1.04	0.90	1.08	1.13	1.05	+11	−10	−10	−11	+ 6	−17	+ 4	+12	− 1	+12		1	1.86
85687	17 30 39.89	+24 02 28.8	7.69	1 H	262.666 210 77	+24.041 343 37		2.57	−12.52	−23.49	0.38	0.63	0.88	0.51	0.80	+10	− 9	+12	−15	− 3	+ 2	+ 3	− 8	− 8	+ 9		1	−2.03
85688	17 30 40.21	+38 52 55.8	6.43	H	262.667 534 62	+38.882 171 33		3.29	1.19	12.52	0.51	0.50	0.60	0.58	0.59	+13	− 8	− 2	+12	+ 7	−19	+ 8	+26	− 5	+11		0	0.30
85689	17 30 40.50	−17 52 45.9	9.03	H	262.668 759 77	−17.879 423 23		3.92	−3.30	−0.02	1.33	0.68	1.44	1.50	0.68	− 4	−48	− 9	+25	−23	−14	−11	+47	−12	−16		0	−0.87
85690	17 30 40.80	−19 06 54.0	8.62	G	262.669 989 47	−19.115 008 39		5.53	−1.52	−46.38	1.09	0.64	1.18	1.36	0.64	− 7	−10	− 9	− 2	−34	−11	−23	+48	−19	−18		0	1.98
85691	17 30 43.34	−13 20 49.9	10.05	H	262.680 563 12	−13.347 186 98		4.22	−1.02	−2.82	1.71	0.87	1.81	2.17	0.86	− 7	−38	− 3	+22	+ 2	− 9	+ 7	+66	−17	−11		0	−0.20
85692	17 30 43.56	+57 52 36.7	6.22	H	262.681 500 60	+57.876 857 25		2.82	12.32	−13.83	0.55	0.52	0.56	0.63	0.65	+ 2	+20	+ 1	−14	− 1	+ 4	− 3	+13	− 6	+ 4		0	−0.62
85693	17 30 44.30	+26 06 38.2	4.41	G	262.684 575 05	+26.110 604 50		8.88	18.39	16.78	0.36	0.45	0.64	0.48	0.52	+ 8	− 5	+ 4	− 3	+ 0	−29	+ 1	+ 3	− 8	+17		2	0.64
85694	17 30 44.32	−62 04 57.8	8.41	H	262.684 657 43	−62.082 734 60		2.18	−11.57	−52.22	0.83	0.73	1.11	0.94	0.75	+ 4	−11	−21	−36	−17	+11	−10	−15	−10	− 9		0	−1.43
85695	17 30 44.97	+48 38 54.4	9.86	H	262.687 378 14	+48.648 432 57		0.75	−4.92	19.90	0.88	0.87	1.00	0.97	1.07	+ 6	−16	+ 2	+ 0	− 3	− 8	+ 0	+24	−27	+12		0	−0.82
85696	17 30 45.84	−37 17 44.7	2.70	1 G	262.690 995 01	−37.295 740 16		6.29	−4.19	−29.14	0.74	0.52	0.81	0.83	0.60	+ 8	−38	−28	+45	− 3	− 9	+ 0	+49	−15	+ 2		3	1.34
85697	17 30 45.

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
85601	8.512	0.009	8.452	0.011		0.060	0.013	T	0.07	0.01	L	8.4708	0.0016	0.015	90		8.45	8.50		C			1							
85602	9.387	0.018	8.769	0.016		0.575	0.021	T	0.65	0.02	L	8.8584	0.0026	0.022	86		8.82	8.89		C			1							
85603	8.269	0.009	7.859	0.009		0.388	0.012	T	0.45	0.01	L	7.8966	0.0011	0.010	134		7.88	7.91		C			1							S
85604	10.681	0.055	9.353	0.031		1.127	0.049	T	1.09	0.05	L	9.3284	0.0031	0.021	63		9.31	9.36					1							
85605	12.065	0.130	10.770	0.062	B	1.101	0.113	T	1.06	0.12	L	11.6395	0.1956			B				D	17296+2439	I 2	1 C I D							D
85606	8.203	0.008	8.143	0.010		0.060	0.012	T	0.07	0.01	L	8.1744	0.0013	0.012	102		8.16	8.20		C			1							S
85607	10.702	0.033	9.439	0.017	A	1.076	0.029	T	1.04	0.02	L	9.5565	0.0365	0.052	180	A	9.43	9.63		D	17296+2439	I 2	1 C P D							D
85608	12.174	0.182	9.965	0.039		1.866	0.153	T	2.21	0.29	K	9.8508	0.0035	0.031	92		9.81	9.91					1							
85609	9.164	0.010	8.663	0.010		0.493	0.015	G	0.57	0.02	H	8.7232	0.0019	0.022	185		8.69	8.76					1 G							
85610	8.476	0.013	7.894	0.011	*	0.546	0.013	T	0.62	0.01	L *	7.9421	0.0018	0.014	94	*	7.92	7.97		D	17297−4947	I 1	2 C A	AB	153	0.259	0.004	0.32	0.06	S
85611	9.862	0.025	8.433	0.014		1.206	0.022	T	1.17	0.02	L	8.4699	0.0018	0.014	81		8.45	8.50		C			1							
85612	8.767	0.011	8.605	0.013		0.156	0.016	T	0.17	0.02	L	8.6565	0.0017	0.015	101		8.63	8.68		C			1							
85613	9.154	0.017	9.049	0.021		0.102	0.025	T	0.12	0.03	L	9.0822	0.0024	0.018	96		9.05	9.11					1							
85614	11.337	0.060	9.817	0.026		1.278	0.051	T	1.24	0.05	L	9.8185	0.0023	0.025	130		9.76	9.86		C			1							
85615	12.188	0.314	11.567	0.288							T	11.5778	0.0112	0.072	62		11.40	11.69					1 S							G
85616	10.041	0.018	8.734	0.011		1.111	0.016	T	1.07	0.02	L	8.7507	0.0013	0.020	220		8.72	8.79					1							
85617	13.346	0.549	8.225	0.012		2.100	0.510	G	2.09	0.52	J	7.5885	0.0282	0.159	78		7.24	7.73		U 2 C			1 V							P
85618	8.973	0.015	8.585	0.016	*	0.367	0.020	T	0.43	0.02	L *	8.6321	0.0017	0.013	75	*	8.61	8.68		D	17297−0801	I 1	2 C A	AB	298	0.406	0.021	2.15	0.08	S
85619	10.966	0.054	10.431	0.054		0.502	0.069	T	0.57	0.07	L	10.5815	0.0029	0.029	105		10.53	10.63		C			1							G
85620	8.332	0.010	7.728	0.010		0.581	0.008	G	0.65	0.01	H	7.7900	0.0012	0.011	95		7.77	7.81					1							S
85621	12.366	0.236	10.829	0.089		1.312	0.208	T	1.87	0.25	K	10.5994	0.0067	0.051	97		10.53	10.70		U			1							G
85622	7.612	0.010	6.510	0.007	A	0.930	0.001	G	0.92	0.00	H *	6.5134	0.0011	0.008	84	*	6.50	6.53		D	17298−0555	I 1	2 C A	AB	325	1.360	0.010	2.35	0.04	S
85623	11.219	0.063	9.942	0.032		1.087	0.055	T	1.05	0.04	L	9.9417	0.0016	0.017	122		9.90	9.97					1							
85624	10.469	0.040	9.724	0.034		0.667	0.040	T	0.73	0.03	L	9.7450	0.0032	0.020	81		9.71	9.78		C			1							G
85625	10.247	0.031	8.904	0.017		1.139	0.028	T	1.10	0.03	L	8.9334	0.0017	0.014	90		8.91	8.96		C			1							
85626	8.709	0.013	8.212	0.013	*	0.467	0.016	T	0.54	0.02	L *	8.2209	0.0021	0.019	80	*	8.19	8.26		D	17299+1558	I 1	2 C A	AC	316	0.248	0.017	1.85	0.15	S
85627	10.666	0.058	8.683	0.021		1.644	0.049	T	1.67	0.05	L	8.6397	0.0021	0.014	50		8.61	8.66		C			1 S							
85628	7.478	0.007	7.517	0.010		−0.043	0.020	G	−0.01	0.02	A	7.5274	0.0016	0.013	75		7.50	7.55					1							S
85629	8.904	0.012	8.446	0.012		0.460	0.034	G	0.55	0.02	A	8.4750	0.0018	0.017	93		8.45	8.50		C			1							
85630	9.085	0.012	8.551	0.012	A	0.501	0.015	T	0.57	0.02	L	8.6223	0.0051	0.018	131	A	8.59	8.66			17299−0118	I 1	2 C A	AB	171	11.397	0.014	2.84	0.07	
85631	10.038	0.027	8.490	0.014		1.300	0.024	T	1.26	0.03	L	8.4828	0.0023	0.015	78		8.45	8.52		C			1							
85632	8.341	0.013	7.734	0.012		0.564	0.013	T	0.64	0.01	L	7.7988	0.0015	0.010	91		7.78	7.82					1							S
85633	9.009	0.020	8.544	0.020		0.438	0.026	T	0.51	0.03	L	8.5727	0.0046	0.019	56		8.54	8.60					1							
85634	9.297	0.016	8.070	0.010		1.048	0.015	T	1.02	0.01	L	8.1214	0.0011	0.011	92		8.10	8.14		C			1							
85635	8.527	0.023	8.441	0.028		0.084	0.034	T	0.10	0.04	L	8.4405	0.0030	0.015	58		8.41	8.47					1 G							
85636	9.173	0.014	8.583	0.013		0.551	0.017	T	0.62	0.02	L	8.6432	0.0018	0.017	88		8.61	8.68		C			1							
85637	8.884	0.011	8.504	0.012		0.360	0.015	T	0.42	0.02	L	8.5433	0.0014	0.014	113		8.52	8.57		C			1							S
85638	10.029	0.027	8.696	0.015		1.131	0.024	T	1.09	0.03	L	8.7462	0.0022	0.015	86		8.72	8.77		C			1							
85639	9.771	0.022	8.743	0.015		0.884	0.021	T	0.89	0.01	L	8.8232	0.0022	0.020	93		8.78	8.86					1							
85640	9.658	0.016	8.971	0.014		0.635	0.018	T	0.70	0.02	L	9.0460	0.0013	0.016	138		9.02	9.07		C			1							
85641	6.731	0.008	6.652	0.010	*	0.078	0.012	T	0.09	0.01	L *	6.7152	0.0010	0.009	68	*	6.70	6.73		D	17301−3343	I 1	2 C A	AB	320	4.444	0.012	3.13	0.06	S
85642	9.836	0.027	9.060	0.022	A	0.300	0.495	G	0.75	0.03	L *	9.0707	0.0019	0.012	84	*	9.05	9.10		D	17301−2257	I 1	2 C D	AB	201	2.333	0.047	3.58	0.29	D
85643	8.680	0.012	8.515	0.014		0.158	0.017	T	0.17	0.02	L	8.5331	0.0012	0.015	86		8.51	8.56		C			1							S
85644	11.255	0.063	9.363	0.022		1.605	0.055	T	2.13	0.13	O	9.2244	0.0050	0.038	109		9.16	9.27		U 2			1							
85645	8.727	0.012	8.446	0.013		0.290	0.015	G	0.33	0.02	H	8.4855	0.0017	0.014	99		8.46	8.51		C			1							S
85646	9.443	0.015	8.335	0.010		0.955	0.014	T	0.94	0.01	L	8.3718	0.0019	0.016	118		8.35	8.40		C			1							
85647	11.408	0.097	9.702	0.034		1.460	0.015	G	1.85	0.02	A	9.6701	0.0024	0.016	76		9.64	9.70		C	17302−5138	I 1	1							G
85648	10.521	0.047	9.681	0.037		0.755	0.045	T	0.80	0.03	L	9.7158	0.0025	0.021	97		9.67	9.75		C			1							
85649	10.331	0.018	9.052	0.010		1.089	0.016	T	1.05	0.02	L	9.0792	0.0018	0.025	268		9.04	9.13					1 S							
85650	10.572	0.040	9.751	0.031		0.740	0.039	T	0.79	0.03	L	9.8390	0.0028	0.021	104		9.80	9.88		C			1							
85651	9.678	0.019	8.100	0.010		1.323	0.017	T	1.28	0.02	L	8.1071	0.0012	0.013	138		8.08	8.14					1							
85652	8.464	0.014	8.232	0.016	*	0.221	0.020	T	0.24	0.02	L *	8.2606	0.0014	0.011	65	*	8.24	8.29		D	17303−3552	H 1	2 C A	AB	353	0.426	0.009	2.35	0.05	
85653	8.143	0.008	7.306	0.007		0.737	0.008	T	0.78	0.01	L	7.3579	0.0010	0.009	110		7.34	7.37		C			1							S
85654	9.650	0.015	8.474	0.010		1.008	0.014	T	0.98	0.01	L	8.5418	0.0016	0.017	170		8.51	8.57		C			1							
85655	8.672	0.008	7.757	0.006		0.811	0.007	T	0.84	0.01	L	7.8270	0.0013	0.018	201		7.80	7.86		M			1							S
85656	8.192	0.011	8.154	0.013	*	0.035	0.015	T	0.05	0.01	L *	8.1318	0.0014	0.015	72	*	8.10	8.15		D	17303−5159	I 1	2 C A	BA	159	0.445	0.003	0.08	0.02	
85657	8.972	0.014	7.486	0.008		1.251	0.013	T	1.21	0.01	L	7.4926	0.0012	0.011	101		7.48	7.51		C			1							S
85658	11.533	0.091	9.273	0.021		1.908	0.077	T	2.24	0.55	K	8.9290	0.0019	0.018	96		8.90	8.96		C			1 S							
85659	10.172	0.029	8.907	0.018		1.078	0.027	T	1.04	0.02	L	8.9627	0.0026	0.021	104		8.92	9.00					1							
85660	10.354	0.045	8.796	0.021		1.308	0.039	T	1.27	0.04	L	8.7999	0.0026	0.015	61		8.77	8.82					1							
85661	7.103	0.004	6.767	0.004		0.319	0.005	T	0.37	0.01	L	6.8028	0.0005	0.006	115		6.79	6.81		D	17303−0422	I 1	1							S
85662	9.677	0.020	9.276	0.021		0.437	0.020	G	0.51	0.02	H	9.3108	0.0018	0.014	87		9.29	9.35		C			1							
85663	9.404	0.023	8.783	0.021		0.574	0.023	T	0.65	0.02	L	8.8581	0.0032	0.019	61		8.83	8.89		C			1							
85664	8.400	0.009	7.220	0.009		1.011	0.010	T	0.99	0.01	L	7.2556	0.0013	0.009	84		7.24	7.27		C			1							S
85665	11.134	0.055	9.500	0.022		1.461	0.010	G	1.90	0.02	A	9.3726	0.0017	0.019	101		9.34	9.40		C	17304+0533	I 1	1							
85666	6.532	0.004	6.470	0.006		0.056	0.006	T	0.07	0.01	L	6.4910	0.0008	0.006	86		6.48	6.50		C			1							S
85667	6.227	0.005	5.412	0.004	*	0.715	0.013	G	0.74	0.02	A *	5.4509	0.0004	0.004	125	*	5.45	5.46		D	17304−0104	I 1	2 C A	AB	332	1.103	0.003	0.07	0.01	S
85668	6.869	0.003	6.974	0.004		−0.091	0.004	T	−0.07	0.01	L	6.9682	0.0007	0.009	217		6.96	6.99					1							S
85669	10.247	0.037	8.952	0.020		1.101	0.033	T	1.06	0.03	L	8.9911	0.0017	0.016	100		8.96	9.03		C			1							
85670	4.017	0.002	2.901	0.002		0.954	0.007	G	0.93	0.03	G	2.9466	0.0005	0.005	107		2.94	2.96		M	17305+5218	I 1	1							S
85671	8.770	0.008	7.668	0.006		0.951	0.008	T	0.94	0.01	L	7.7280	0.0009	0.014	218		7.70	7.75					1 G							S
85672	11.285	0.073	9.320	0.022		1.665	0.063	T	2.19	0.12	O	9.1727	0.0061	0.047	114		9.09	9.24		U 2			1 S							
85673	8.007	0.012	7.552	0.013		0.443	0.006	G	0.51	0.01	H	7.5979	0.0022	0.010	65		7.58	7.62					1							S
85674	10.652	0.049	10.070	0.048		0.558	0.020	G	0.63	0.02	H	10.1077	0.0023	0.023	92		10.06	10.14		C			1							G
85675	9.065	0.015	8.224	0.012	*	0.756	0.014	T	0.80	0.01	L *	8.2842	0.0025	0.016	94	*	8.26	8.31		D	17305−1006	I 1	2 C A	AB	97	0.549	0.018	2.19	0.06	S
85676	9.339	0.020	8.444	0.016		1.074	0.015	G	1.04	0.01	H	8.4507	0.0086	0.041	62		8.38	8.51		U 2			1							
85677	11.653	0.139	9.430	0.033		1.878	0.118	T	1.94	0.23	K	9.1898	0.0022	0.020	66		9.15	9.22		C			1							G
85678	9.906	0.025	8.033	0.011		1.556	0.022	T	1.57	0.02	L	7.9840	0.0013	0.016	100		7.94	8.01					1							
85679	9.254	0.016	8.797	0.016		0.444	0.018	T	0.51	0.02	L	8.8148	0.0014	0.012	99		8.79	8.84		C	17305−1446	I 1	1 S							
85680	9.795	0.037	8.637	0.024		1.080	0.015	G	1.04	0.01	H	8.6612	0.0046	0.026	57		8.63	8.70	30.81	P 1 A			1							P
85681	9.080	0.021	8.571	0.021	*	0.489	0.023	T	0.56	0.02	L *	8.6604	0.0021	0.015	81	*	8.62	8.69		C	17306−2712	I 1	2 C A	AB	191	7.595	0.017	2.69	0.09	
85682	7.401	0.008	6.985	0.009		0.393	0.011	T	0.46	0.01	L	7.0338	0.0012	0.008	59		7.02	7.05		C	17306−4314	I 1	1							S
85683	7.487	0.006	6.968	0.007		0.505	0.003	G	0.58	0.00	H	7.0202	0.0009	0.008	97		7.01	7.04		C			1 O							S
85684	9.115	0.020	8.551	0.019		0.532	0.020	T	0.60	0.02	L	8.6034	0.0030	0.016	56		8.57	8.63		C										
85685	8.469	0.017	8.421	0.023	*	0.049	0.027	T	0.06	0.02	L *	8.5055	0.0029	0.016	53	*	8.48	8.53		D	17307−4304	I 1	2 C A	AB	339	4.814	0.008	1.17	0.03	
85686	11.295	0.077	10.038	0.039		1.066	0.069	T	1.13	0.10	L	10.0896	0.0028	0.022	95		10.05	10.12		C			1							
85687	9.837	0.015	7.918	0.006		1.593	0.013	T	1.61	0.01	L	7.8083	0.0014	0.019	268		7.78	7.84		U 2			1 G							S
85688	7.042	0.004	6.498	0.004		0.510	0.005	T	0.58	0.01	L	6.5428	0.0005	0.007	110		6.53	6.56					1							S
85689	9.659	0.028	9.082	0.027		0.591	0.015	G	0.66	0.01	H	9.1547	0.0026	0.014	87		9.14	9.18					1							
85690	9.350	0.017	8.699	0.015		0.694	0.015	G	0.75	0.01	H	8.7218	0.0017	0.013	85		8.70	8.75		C	17307−1907	I 1	1							
85691	10.642	0.055	10.168	0.057		0.446	0.072	T	0.52	0.08	L	10.1593	0.0020	0.021	92		10.11	10.20		C			1 S							G
85692	8.045	0.009	6.373	0.004		1.397	0.008	T	1.37	0.01	L	6.3666	0.0014	0.009	95		6.35	6.38					1							S
85693	6.256	0.003	4.555	0.002		1.434	0.003	G	1.39	0.03	C	4.5456	0.0007	0.006	161		4.54	4.56					1							S
85694	10.169	0.027	8.514	0.012		1.384	0.023	T	1.36	0.03	L	8.5545	0.0016	0.019	126		8.52	8.58					1							
85695	11.066	0.051	9.981	0.033		0.938	0.046	T	0.93	0.03	L	10.0211	0.0027	0.022	103		9.97	10.06		C			1							
85696	2.446	0.004	2.651	0.003		−0.179	0.004	T	−0.23	0.02	A	2.6043	0.0009	0.005	58		2.60	2.61		M			1							S
85697	9.487	0.019	9.023	0.019		0.450	0.021	T	0.52	0.02	L	9.0640	0.0017	0.017	129		9.03	9.10					1 X							
85698	9.212	0.023	8.766	0.024		0.421	0.031	T	0.49	0.03	L	8.8064	0.0023	0.018	66		8.76	8.84					1							
85699	6.038	0.003	5.791	0.003		0.239	0.015	G	0.17	0.05	F	5.8350	0.0008	0.006	117		5.83	5.85		C			1							S
85700	7.019	0.007	6.902	0.008	*	0.106	0.010	T	0.12	0.01	L *	6.9372	0.0007	0.007	66	*	6.93	6.95		D	17308−3726	I 1	2 C A	AB	110	0.239	0.007	0.48	0.12	S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)												Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	$\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr		$\alpha*$	$\alpha*$	δ	$\alpha*$	δ	π	$\alpha*$	δ	π	$\mu_{\alpha*}$		%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
85701	17 30 48.38	−33 36 35.6	7.90	3 T	262.701 584 61	−33.609 898 18		−0.45	−0.60	−2.12	1.08	0.79	1.16	1.44	1.02	−10	−27	−15	+33	+ 0	+ 5	+ 4	+54	−14	−22		0	0.28
85702	17 30 49.31	+18 19 55.5	9.24	H	262.705 449 94	+18.332 070 59		5.93	0.18	71.11	0.61	0.69	1.29	1.07	0.99	+10	−25	− 9	−17	− 1	+21	+10	+ 3	−31	− 7		1	0.14
85703	17 30 49.61	−23 50 29.7	7.39	1 G	262.706 723 19	−23.841 574 59		10.46	−25.44	−11.25	0.95	0.54	0.96	1.01	0.54	−33	−28	−13	+37	−44	+13	−34	+57	−16	−49		0	−0.70
85704	17 30 50.27	+01 34 40.7	7.93	H	262.709 447 74	+01.577 958 41		16.28	−26.82	111.26	0.83	0.57	0.98	0.93	0.60	−15	−26	+	4	+	9	+24	+	7	+21	+25	−	4	−	8	0	−0.62
85705 H	17 30 50.77	+03 48 58.8	9.34	H	262.711 531 52	+03.816 323 05	*	3.41	65.64	26.85	1.72	1.49	1.73	1.65	1.22	−11	−	6	+	7	+16	+14	−11	+13	+25	−15	+	1	1	−0.15
85706	17 30 50.80	+34 16 05.2	8.00	H	262.711 655 25	+34.268 120 45		2.93	3.26	−3.64	0.57	0.58	0.71	0.61	0.65	+	7	−16	−	3	−	2	+10	−	6	+10	+	2	−	3	+11	0	−1.08
85707	17 30 51.52	+01 07 10.7	7.14	H	262.714 683 60	+01.119 626 82		14.17	3.03	−30.22	0.73	0.49	0.87	0.81	0.52	−23	−33	+	7	+14	+15	+13	+16	+32	−15	−20		0	−1.10
85708	17 30 52.21	+06 59 29.7	9.53	H	262.717 543 47	+06.991 592 26		3.04	−0.87	−2.38	0.95	0.71	1.18	1.05	0.76	−	3	−31	+	4	+24	+15	−	1	+17	+22	−14	+	2	0	1.08
85709	17 30 52.30	+58 21 12.4	9.72	H	262.717 907 06	+58.353 448 57		3.99	2.58	5.25	0.91	0.90	0.97	1.42	1.20	−	4	−	8	+17	+15	+19	+20	+16	+11	−16	+	6	0	0.67
85710	17 30 54.07	−42 01 41.0	8.47	H	262.725 307 76	−42.028 052 94		2.00	−13.93	−40.21	1.54	1.04	1.45	1.66	1.28	−37	−50	+	4	+55	−49	−15	−50	+56	+21	−43		0	0.82
85711	17 30 54.30	+35 38 21.1	9.34	H	262.726 253 69	+35.639 191 85		1.84	−11.18	−25.66	0.90	0.82	1.04	1.05	0.98	+11	−12	−	3	+34	+20	−15	+21	+22	−	8	+12		0	0.93
85712	17 30 54.51	−29 02 43.9	9.40	G	262.727 145 53	−29.045 515 79		4.18	−0.58	−2.08	1.38	0.80	1.59	1.57	0.85	+	3	−43	−28	+12	−17	−21	−25	+	3	+14	−39		0	0.12
85713 H	17 30 54.60	+15 11 33.5	9.12	G	262.727 497 28	+15.192 634 40	A	2.89	−6.27	−3.01	1.78	1.80	1.82	1.46	1.46	+13	−	3	+	5	+16	+41	+11	+49	+29	+	2	+37	0	−0.46
85714	17 30 54.87	−81 36 41.6	8.25	2 H	262.728 641 75	−81.611 551 45		3.39	−7.82	−2.44	0.67	0.68	0.88	0.66	0.80	−15	−44	+	8	+10	−13	−12	−14	+	3	+	5	−28	0	−2.38
85715	17 30 55.37	+31 09 29.2	5.63	H	262.730 712 85	+31.158 100 73		8.65	3.81	15.59	0.39	0.42	0.56	0.45	0.51	+	9	−20	−11	+13	+11	−16	+11	+	7	−	7	+	9	0	0.51
85716	17 30 56.22	−66 10 11.1	9.17	H	262.734 230 73	−66.169 750 87		1.10	−11.52	−16.37	0.83	0.84	1.37	1.02	0.94	+28	−	3	+	9	+14	−26	+10	−26	+10	+	5	+18	0	1.62
*85717	17 30 57.12	+50 04 12.9	8.79	G	262.737 992 34	+50.070 247 15		5.81	−3.58	11.73	0.68	0.68	0.74	0.70	0.78	+	0	−	8	+12	+14	+15	−10	+20	+	3	−10	+10	0	0.18
*85718	17 30 57.10	+65 06 37.1	9.76	2 H	262.737 924 01	+65.110 292 88		0.71	−3.18	3.15	0.86	0.96	0.95	0.91	1.19	+	3	−	7	+	6	+	2	−16	+	4	−15	+14	−15	−13	2	0.06
85719	17 30 57.18	−17 22 24.3	8.33	H	262.738 262 50	−17.373 404 11		3.55	6.75	−27.97	1.13	0.62	1.19	1.53	0.63	−	2	−33	−18	+26	−23	+11	−	9	+56	−15	−14		0	0.48
85720	17 30 59.35	−11 11 11.7	10.26	G	262.747 305 07	−11.186 580 20		−1.57	−2.27	−4.02	1.60	0.84	1.72	1.79	0.84	+	1	−45	−	3	+13	−	7	−14	+	5	+54	−14	−11	4	1.29
85721	17 31 00.33	−07 56 48.9	8.41	H	262.751 362 35	−07.946 911 48		9.07	12.56	2.17	1.27	0.60	1.44	1.25	0.58	−	1	−42	−	9	−	6	−	3	−30	+12	+45	−23	−10	0	2.38
85722	17 31 02.24	−02 49 36.2	7.11	H	262.759 351 03	−02.826 732 19		3.91	−4.07	−10.05	0.95	0.46	1.09	0.85	0.46	+30	−63	−26	+32	+36	−14	+39	+33	−27	+13		0	−0.77
85723	17 31 02.97	−50 21 45.5	8.08	1 H	262.762 375 17	−50.362 644 68		7.11	2.51	9.22	1.12	0.57	1.29	1.02	0.53	+12	−56	−	3	+26	+17	+	1	+20	−19	−	8	+22	2	0.54
85724 H	17 31 03.47	−21 29 06.9	8.93	G	262.764 450 93	−21.485 260 40	A	3.27	−9.91	−10.92	4.58	3.15	2.90	3.39	1.60	+19	−17	−	6	+	2	−14	−25	−16	+28	−	7	+	0	1	−0.05
85725	17 31 04.95	−57 02 00.7	8.20	H	262.770 619 22	−57.033 541 51		3.07	10.46	−8.69	0.90	0.69	1.14	1.09	0.69	−26	+	1	−27	−31	−17	+15	−	7	−38	+19	−28		1	−2.84
85726	17 31 05.92	+21 01 16.9	8.07	H	262.774 671 05	+21.021 361 47		15.44	−74.89	−77.01	0.70	0.77	1.21	1.05	1.03	+	9	−11	−38	−16	−	4	−13	+	4	+37	−47	−	7	0	0.36
85727	17 31 05.98	−60 41 01.0	3.60	H	262.774 903 95	−60.683 606 67	+	17.42	−53.65	−99.37	1.64	1.33	0.73	1.20	0.85	−92	−11	−	1	−	5	+	3	+	8	+26	−27	−19	−65	0	0.55
85728	17 31 06.67	−54 46 32.3	9.13	H	262.777 796 55	−54.775 643 12		3.35	0.00	−7.89	0.88	0.69	1.25	1.03	0.77	+	4	−29	+	2	+	4	+	5	+20	+	7	−	1	+	0	+23	0	−0.84
85729	17 31 07.14	−53 28 43.2	8.14	2 G	262.779 732 32	−53.478 654 99		0.67	−1.31	−5.30	0.69	0.54	0.97	0.85	0.61	−16	−30	+	9	−	6	−	4	+22	−	4	−	5	+	0	+	7	0	−0.58
85730	17 31 09.21	+20 11 13.5	7.75	H	262.788 371 32	+20.187 084 47		6.23	−20.50	4.54	0.66	0.66	1.11	1.05	0.85	+	3	−21	−	6	+11	+	7	−22	+11	+11	−29	+14		0	−1.27
85731	17 31 11.29	+03 35 30.8	9.24	H	262.797 054 20	+03.591 879 68		1.36	−5.58	−4.07	0.99	0.68	1.23	1.13	0.75	−20	−23	+12	+20	+	5	−	6	+	9	+25	−22	−11	0	−0.69
85732	17 31 11.51	+28 08 11.1	8.00	H	262.797 968 88	+28.136 412 42		2.00	21.05	−25.14	0.56	0.64	0.87	0.65	0.73	+	2	−14	−	4	−	9	+	4	−17	+	4	+	3	−10	+11	0	−1.08
85733	17 31 12.41	+13 06 18.8	8.19	G	262.801 691 18	+13.105 220 50		4.55	−5.85	4.40	0.90	0.74	1.02	0.90	0.80	+25	−26	−	4	+25	+54	−	3	+53	+40	−11	+43		4	1.00
85734	17 31 12.83	−17 08 31.7	8.19	1 H	262.803 468 23	−17.142 145 65		0.38	−1.24	−0.04	0.99	0.58	1.03	1.33	0.58	−11	−31	−	7	+22	−24	+	5	−14	+57	−11	−15		0	−0.05
85735	17 31 12.96	+06 21 16.0	9.17	H	262.804 010 58	+06.354 440 48		2.25	−1.84	−4.06	0.90	0.66	1.00	1.03	0.72	+	8	−19	+	2	+30	+28	−	3	+27	+31	−	4	+12	0	−0.61
85736	17 31 13.26	+43 33 31.4	8.12	H	262.805 229 21	+43.558 726 10		2.51	−14.66	13.99	0.58	0.61	0.67	0.60	0.68	+	7	−11	−	3	+	1	+	4	−	3	+	4	+23	−	3	+	8	0	−0.21
85737 H	17 31 14.06	−73 09 45.1	8.71	H	262.808 594 67	−73.162 540 66	A	−0.71	3.24	2.38	1.10	1.45	1.57	0.86	1.17	+12	+	4	−	5	+	1	−	1	−	4	+	3	−	2	−11	+12	0	0.98
85738	17 31 15.84	−39 58 29.9	8.46	H	262.816 013 14	−39.974 962 04		12.54	−51.41	−18.92	1.19	0.87	1.28	1.70	1.09	−12	−23	−21	+38	−19	+16	−18	+50	+12	−18		0	1.63
85739	17 31 16.95	−30 19 16.8	9.58	G	262.820 631 99	−30.321 345 45		3.87	4.25	−24.05	1.57	0.80	1.70	1.72	0.81	+	2	−44	−	4	+	0	−26	−15	−25	+	6	+14	−18	0	0.77
85740	17 31 17.44	+19 01 02.8	8.98	G	262.822 651 37	+19.017 450 47		4.25	−1.39	−25.64	0.88	0.94	1.24	1.17	1.06	+	4	−	1	+	7	+12	+18	+18	+13	+30	−	7	+14	0	2.33
85741	17 31 17.82	−10 58 16.7	7.45	H	262.824 239 54	−10.971 300 87		16.67	26.82	−64.59	0.86	0.49	0.93	1.03	0.49	−11	−28	−	9	+12	−16	+	4	−	3	+61	−23	−24	2	0.74
85742	17 31 17.89	+69 36 00.1	7.26	H	262.824 530 97	+69.600 024 83		4.46	−5.39	−16.97	0.59	0.55	0.64	0.62	0.66	+10	+	8	−	7	−26	+11	−19	+	7	−	2	−30	+22	0	−0.11
85743	17 31 18.69	−56 44 56.6	8.29	H	262.827 872 40	−56.749 051 31		1.85	0.01	−6.64	0.79	0.63	1.06	0.95	0.66	−42	+	1	−15	−13	+	2	+16	+	7	−35	+17	−38	4	−0.02
85744	17 31 18.72	+19 31 19.4	6.77	1 H	262.828 008 96	+19.522 068 43		5.85	−22.57	−50.29	0.54	0.55	0.82	0.77	0.63	−	2	−26	−19	−	7	+12	−	6	+12	+	9	−16	−	2	0	−1.46
*85745 H	17 31 19.67	−39 01 05.1	7.14	G	262.831 973 67	−39.018 089 32	A	11.34	7.79	22.67	1.65	1.13	1.63	1.69	1.12	+	8	−28	−40	+26	−21	+	5	−	9	+42	−29	+	3	0	−0.08
*85746	17 31 19.45	−00 20 49.4	8.95	H	262.831 048 71	−00.347 050 24		1.19	−15.67	−5.88	0.94	0.65	1.20	1.14	0.67	−	7	+	4	−12	+	5	+48	−21	+42	+28	+	5	−	7	0	0.31
85747	17 31 19.78	−39 09 55.3	7.93	H	262.832 430 78	−39.165 366 94		14.74	−37.31	24.61	1.10	0.80	1.09	1.50	0.94	−32	+	0	−20	+47	−37	+19	−32	+52	−18	−38		0	1.42
85748 H	17 31 20.95	−45 00 38.8	9.35	H	262.837 298 58	−45.010 769 54	A	4.11	4.89	−12.00	3.48	2.59	3.24	4.13	2.92	+	5	−13	−44	+14	−41	+22	−32	+38	−21	+	5		0	1.08
85749	17 31 21.35	+02 43 28.1	5.57	H	262.838 938 22	+02.724 460 12	+	8.75	−19.25	19.22	0.80	0.40	1.19	0.81	0.61	+	1	−65	−	5	+19	+13	−	3	+54	+24	−59	+11		2	2.35
85750	17 31 23.25	+01 58 33.2	9.42	H	262.846 893 11	+01.975 887 76		−1.63	5.06	−3.11	1.25	0.80	1.48	1.47	0.84	+16	−17	−	7	+26	+33	+	0	+31	+27	−13	+	7	0	−0.76
85751	17 31 23.28	−56 55 15.4	5.99	2 T	262.847 017 49	−56.920 954 04		1.52	−0.85	−4.16	0.62	0.48	0.76	0.72	0.49	−45	−	5	−19	−16	−	1	+	7	+	2	−32	+20	−49	0	0.01
85752	17 31 24.00	−31 58 11.4	8.09	H	262.850 006 82	−31.969 845 34		0.43	2.55	−6.15	0.99	0.64	1.05	1.07	0.70	−14	−39	−23	+27	−40	+	6	−29	+49	−	8	−45		0	0.43
85753	17 31 24.11	−54 41 36.6	7.87	G	262.850 441 13	−54.693 491 78		3.26	−29.21	−209.37	0.66	0.53	0.93	0.81	0.60	−	7	−22	+	4	+	4	+	4	+23	+	6	+	0	−	5	+18	2	−0.02
85755	17 31 24.95	−23 57 45.3	4.78	H	262.853 961 93	−23.962 580 36		7.65	4.91	−25.90	0.85	0.51	0.87	0.82	0.51	−37	−38	−10	+24	−50	+	6	−34	+58	−16	−59		0	1.07
*85756	17 31 25.60	+36 33 51.4	7.99	H	262.856 669 36	+36.564 282 74		13.09	39.13	40.16	0.56	0.58	0.68	0.66	0.68	+10	+	4	+	5	+11	+18	+	4	+18	+19	+10	+24	0	0.31
*85757	17 31 25.56	−02 32 18.8	8.15	G	262.856 511 62	−02.538 550 82		13.31	−273.40	−106.93	1.11	0.54	1.27	1.06	0.54	+30	−62	−29	+29	+36	−23	+40	+33	−31	+12		0	−0.62
85758	17 31 26.25	+53 57 07.3	9.99	H	262.859 359 10	+53.952 024 57		1.38	−5.56	−35.09	0.99	0.91	1.03	1.10	1.07	+	4	+	1	+	2	−	6	+17	−23	+18	+11	−14	+	7	2	−0.18
85759	17 31 26.89	+54 21 20.7	7.22	H	262.862 039 27	+54.355 748 12		9.62	−14.01	13.26	0.55	0.56	0.59	0.60	0.66	+	9	−	1	−	4	+	8	+11	−17	+13	+26	−	9	+	4	0	−0.24
85760	17 31 27.47	−80 51 32.5	5.83	2 H	262.864 471 40	−80.859 028 34		4.02	−2.27	−43.34	0.43	0.46	0.58	0.44	0.51	−	6	−31	−11	−	9	−	6	−	1	−	4	−	9	−	5	−25	0	−0.20
85761	17 31 27.68	−04 53 59.6	9.30	H	262.865 333 04	−04.899 900 99		6.05	17.34	−23.65	1.15	0.58	1.30	1.33	0.55	+33	−31	−21	+10	+42	−21	+34	+13	−	7	+27		0	0.05
85762	17 31 27.68	+71 14 52.7	7.85	H	262.865 348 80	+71.247 972 90		1.03	−9.46	−11.95	0.60	0.61	0.64	0.65	0.68	+	9	−15	−	4	+	4	+	8	−	9	+	9	+	1	−12	+25	0	0.78
85763 H	17 31 27.95	−41 55 39.9	8.83	H	262.866 468 98	−41.927 739 11	A	17.67	88.15	−99.41	3.90	3.01	3.35	4.16	3.10	+	0	−	3	−14	+31	−34	+	5	−26	+36	−16	−43	0	0.44
85764	17 31 30.16	−71 12 16.0	9.13	H	262.875 675 09	−71.204 444 87	A	3.37	−2.31	−10.26	1.94	2.85	3.07	1.87	3.05	+12	−	9	+	4	−	4	−	8	−17	−	9	−	7	−	5	+	4	4	3.18
85765 H	17 31 30.26	−60 26 24.2	8.23	G	262.876 089 55	−60.440 052 02	A	5.10	−10.53	−42.29	2.17	2.42	2.15	1.92	1.54	−15	−28	−	3	−29	−18	+14	−22	−17	+	4	−	8	1	−0.82
85766	17 31 30.84	+01 40 20.4	7.18	G	262.878 488 59	+01.672 332 63		5.71	−15.92	−13.17	0.69	0.50	0.87	0.83	0.55	−	8	−22	+	3	+10	+22	+12	+20	+31	−	6	−	8	2	0.88
*85767	17 31 31.80	−71 12 06.3	11.68	H	262.882 502 50	−71.201 737 58	B	−9.77	3.62	−5.64	25.39	36.91	16.73	9.55	16.68	+13	−	3	+	7	−12	−11	−18	−12	−10	−	4	+	5	4	3.18
*85768	17 31 31.66	−17 18 33.0	9.96	G	262.881 915 77	−17.309 158 09		6.56	−33.97	−45.47	1.71	0.96	1.73	2.34	0.93	−	1	−30	−	8	+27	−16	−	1	−	5	+66	−16	−	7	2	0.60
*85769	17 31 33.07	+49 43 23.6	7.76	H	262.887 773 16	+49.723 226 18		4.41	16.39	5.84	0.60	0.56	0.62	0.71	0.66	+12	−10	−	4	+13	+20	−12	+19	+10	+	0	+22		0	0.09
*85770 H	17 31 33.05	−29 58 02.3	9.45	H	262.887 707 28	−29.967 293 40	A	1.65	4.45	−6.97	4.15	2.29	3.30	3.77	1.79	−	6	−18	−	2	+	5	−	8	−	5	−	8	+	6	+	7	−46	3	−0.76
85771	17 31 33.93	+50 40 44.1	7.73	H	262.891 370 28	+50.678 918 64		4.34	−28.15	−49.10	0.52	0.57	0.59	0.56	0.62	+	9	+	0	+17	+17	+14	−	2	+15	+	8	−	6	+	9	1	0.92
85772	17 31 34.12	+61 41 02.0	7.57	H	262.892 163 56	+61.683 891 71		5.45	−21.25	45.46	0.64	0.60	0.66	0.64	0.74	−	1	−28	+	6	−	9	+	8	−	7	+11	+	5	−	7	+	4	1	−2.59
85773	17 31 34.71	−36 04 37.0	8.75	H	262.894 632 19	−36.076 942 03		−0.11	−9.03	−6.02	1.11	0.81	1.13	1.67	1.11	−24	−	7	−11	+27	−19	−	1	−17	+34	+	0	−47	0	0.23
85774	17 31 35.37	−40 36 12.3	10.04	H	262.897 360 40	−40.603 407 55		19.38	138.45	−90.84	2.19	1.54	2.49	2.80	1.88	+	5	−28	−10	+16	+	8	−	2	+	6	+35	+	0	+	7	0	1.87
85775 H	17 31 35.80	−30 17 34.1	8.30	G	262.899 175 39	−30.292 809 23	A	0.10	−6.05	−18.36	2.90	1.66	2.67	2.76	1.57	−19	−40	−	1	+	3	−24	−	9	−16	+14	+	9	−19	2	0.74
85776	17 31 38.77	+11 22 48.8	10.65	H	262.911 558 11	+11.380 232 37		4.66	−2.08	−21.34	1.61	1.26	1.87	1.89	1.40	+25	−13	−	6	+24	+38	+	9	+37	+33	−14	+39	0	−0.46
85777	17 31 39.75	+64 30 39.0	7.83	H	262.915 639 52	+64.510 842 56		2.41	−1.70	7.07	0.63	0.65	0.68	0.72	0.75	+12	−25	+16	−	2	+13	+14	+	9	+19	−	1	+28	0	2.53
85778	17 31 41.01	+30 19 23.8	10.41	H																								
85779	17 31 41.22	+08 16 08.7	8.59	H	262.921 761 51	+08.269 071 76		1.65	−0.20	−4.30	0.82	0.66	1.09	0.89	0.72	+	9	−20	−	7	+	1	+29	−	6	+30	+17	−29	+21		0	1.61
85780	17 31 41.82	−45 32 27.9	8.51	H	262.924 263 92	−45.541 078 69		7.49	−2.34	−7.54	1.15	0.95	1.22	1.50	1.20	−24	−10	−14	+33	−30	+	9	−29	+59	−23	−12		0	−0.33
85781	17 31 42.54	+30 19 05.3	6.91	G	262.927 240 45	+30.318 139 11		11.92	−5.35	−120.28	0.48	0.57	0.75	0.52	0.66	+	3	−14	−	8	+	6	+	3	−21	+	4	+	5	−18	+	4	0	−1.04
85782 H	17 31 42.60	−41 02 22.3	7.19	G	262.927 480 61	−41.039 536 57	A	4.65	−3.36	−9.78	1.88	1.21	1.88	1.88	1.20	−14	−17	−	9	+29	−18	+	3	−11	+29	−20	−18	4	1.10
85783 H	17 31 44.38	−26 16 10.8	6.05	H	262.934 896 30	−26.269 654 23	A	7.47	−2.83	−22.57	1.27	1.08	1.10	1.04	0.54	+	3	−35	−11	+19	−30	+	4	−28	+21	−	8	−26	2	0.07
85784 H	17 31 44.96	−09 58 50.8	8.65	H	262.937 322 57	−09.980 778 43	*	2.95	−7.05	0.10	1.16	0.64	1.30	1.33	0.64	−	6	−33	−17	+12	−14	+	1	+	5	+70	−29	−29	2	1.90
85785	17 31 46.21	+39 58 28.8	8.73	H	262.942 552 39	+39.974 657 60		6.17	3.07	14.48	0.65	0.69	0.78	0.66	0.73	+	6	+	3	−	4	−15	+10	−16	+	8	+18	+	2	+12	0	0.19
85786	17 31 47.36	−33 42 11.1	6.43	G	262.947 352 41	−33.703 081 26		8.13	−7.68	−31.45	0.88	0.63	0.93	1.11	0.71	−24	−20	−16	+38	−20	+13	−16	+61	−14	−23		0	−1.11
85787	17 31 48.84	−51 53 25.5	8.46	H	262.953 507 73	−51.890 417 49		7.47	8.94	−12.91	1.10	0.69	1.27	1.20	0.65	−15	−36	+10	+15	+	7	−14	+13	−15	−11	+	1		0	1.03
85788	17 31 49.10	−46 02 12.4	6.04	G	262.954 569 28	−46.036 776 40		1.62	2.53	−2.62	0.79	0.67	0.87	1.00	0.82	−24	−15	+	2	+38	−19	−	8	−21	+60	−22	+	2		0	0.94
85789	17 31 49.32	+11 55 54.5	7.99	H	262.955 511 12	+11.931 812 29		6.18	1.54	13.00	0.77	0.66	0.94	0.88	0.76	+11	−15	+	6	+30	+31	+19	+32	+42	−12	+15		0	2.33
85790	17 31 49.57	+28 24 26.8	5.66	H	262.956 559 98	+28.407 436 46		11.86	7.46	25.64	0.38	0.42	0.57	0.46	0.48	+	6	−17	−	4	−	7	+	3	−19	+	2	−	2	+	6	+	1	0.63
85791	17 31 50.14	−65 55 01.3	7.92	H	262.958 917 38	−65.917 016 71		0.82	−1.73	−10.14	0.60	0.62	0.98	0.65	0.68	+35	−15	−10	+	7	−15	+11	−13	+18	+	0	+20		1	−0.40
85792	17 31 50.52	−49 52 33.5	2.84	2 H	262.960 506 61	−49.875 981 59		13.46	−31.27	−67.15	0.88	0.44	0.95	0.89	0.44	+10	−49	+	8	+47	+13	+	9	+19	+23	−	8	+27	0	0.79
85793	17 31 50.61	−38 44 27.4	8.80	H	262.960 894 70	−38.740 941 21		4.98	−7.74	−53.56	1.36	0.97	1.46	1.57	1.05	+	9	−34	−32	+30	−26	−	2	−16	+44	−21	−14	+	0	1.01
85794	17 31 51.35	+56 54 57.6	11.11	H	262.963 943 48	+56.915 997 73	B	3.33	2.35	−0.32	28.07	32.92	8.47	12.67	12.82	+	3	−	3	+	1	+37	+20	+	2	+16	+43	+	1	+19	0	−0.24
85795	17 31 51.47	+77 20 33.3	8.35	G	262.964 455 95	+77.342 593 73		2.74	−4.85	6.84	0.60	0.54	0.64	0.70	0.66	+	8	−	5	−	3	+14	+15	−	7	+15	+13	+	5	+	8	0	0.48
*85796	17 31 52.17	+56 55 08.0	8.52	H	262.967 357 92	+56.918 883 66	A	1.85	0.92	−9.24	2.00	2.26	1.63	2.05	2.16	+	1	−	1	−	1	+35	+18	+	3	+15	+38	−	3	+10	0	−0

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
85701	9.026	0.022	7.999	0.016		0.894	0.020	T	1.10	0.12	A	7.9732	0.0584	0.287	57		7.75	8.41	4.53	P 1 A			1							
85702	9.798	0.017	9.252	0.016		0.512	0.021	T	0.58	0.02	L	9.3508	0.0014	0.017	155		9.32	9.38		C			1							
85703	7.794	0.010	7.404	0.009		0.375	0.015	G	0.44	0.02	H	7.4721	0.0022	0.015	79		7.44	7.50		U 2			1							S
85704	8.552	0.009	7.989	0.009		0.527	0.011	T	0.60	0.01	L	8.0465	0.0012	0.011	106		8.02	8.08					1							S
85705	10.057	0.024	9.397	0.021	*	0.612	0.027	T	0.68	0.02	L *	9.4681	0.0023	0.018	94	*	9.43	9.50		D	17308+0349	I 1	2 C	A	AS	0	0.276	0.004	0.40	0.07	
85706	9.172	0.012	8.110	0.009		0.921	0.011	T	0.92	0.01	L	8.1599	0.0014	0.013	138		8.13	8.18					1							S
85707	7.518	0.006	7.172	0.007		0.328	0.009	T	0.38	0.01	L	7.2143	0.0009	0.008	110		7.20	7.23					1							S
85708	9.899	0.021	9.558	0.023		0.352	0.003	G	0.41	0.00	H	9.6099	0.0019	0.015	96		9.58	9.64					1							
85709	10.068	0.032	9.747	0.036		0.305	0.045	T	0.35	0.06	L	9.7966	0.0023	0.020	92		9.74	9.84		C			1							
85710	8.975	0.018	8.491	0.018		0.456	0.023	T	0.53	0.02	L	8.5756	0.0034	0.021	57		8.54	8.62					1 G							
85711	10.895	0.040	9.459	0.020		1.212	0.035	T	1.17	0.03	L	9.5033	0.0023	0.024	136		9.46	9.56					1							
85712	10.187	0.035	9.539	0.033		0.590	0.015	G	0.66	0.01	H	9.5314	0.0024	0.017	89		9.50	9.56		C			1							G
85713	9.341	0.018	9.144	0.021	*	0.180	0.020	G	0.20	0.02	H *	9.1800	0.0025	0.017	78	*	9.15	9.21		D	17309+1512	H 1	2 C	A	AB	149	0.523	0.022	2.91	0.11	
85714	10.435	0.028	8.548	0.011		1.601	0.025	T	3.04	0.05	O	8.1456	0.0170	0.144	128		8.01	8.43		U 2			1	S						
85715	6.850	0.004	5.736	0.003		0.960	0.004	T	0.95	0.00	L	5.7970	0.0005	0.005	139		5.79	5.80		C			1							S
85716	11.246	0.042	9.314	0.013		1.603	0.035	T	1.62	0.04	L	9.2840	0.0015	0.027	225		9.24	9.33					1							
85717	9.139	0.013	8.777	0.013		0.309	0.015	G	0.35	0.02	H	8.8585	0.0023	0.016	116		8.83	8.89					1							
85718	11.945	0.129	9.986	0.035		1.660	0.110	T	2.03	0.23	K	9.8363	0.0044	0.042	92		9.78	9.91		U 2			1							
85719	9.080	0.015	8.428	0.014		0.597	0.015	T	0.67	0.01	L	8.4608	0.0016	0.012	91		8.44	8.48		C			1							
85720	10.487	0.040	10.328	0.055		0.216	0.005	G	0.24	0.01	H	10.3323	0.0030	0.023	99		10.30	10.37		C			1							G
85721	8.964	0.015	8.474	0.015		0.526	0.015	G	0.60	0.02	H	8.5208	0.0011	0.010	76		8.50	8.54		C			1							
85722	9.128	0.015	7.285	0.007		1.533	0.013	T	1.58	0.03	L	7.2293	0.0008	0.007	95		7.21	7.24					1							S
85723	9.073	0.016	8.221	0.012		0.764	0.015	T	0.80	0.01	L	8.2301	0.0029	0.023	104		8.19	8.26		U	17310−5022	I 1	1							
85724	9.237	0.018	8.964	0.020	*	0.285	0.024	G	0.32	0.03	H *	8.9963	0.0029	0.021	83	*	8.95	9.03		D	17311−2129	I 1	2 C	A	AB	226	0.363	0.018	1.82	0.11	
85725	9.911	0.020	8.343	0.010		1.315	0.018	T	1.28	0.02	L	8.3513	0.0014	0.016	147		8.32	8.37					1							
85726	8.697	0.011	8.142	0.010		0.541	0.015	G	0.61	0.02	H	8.1917	0.0017	0.013	104		8.17	8.21		C			1							S
85727	3.479	0.002	3.580	0.002		−0.104	0.009	G	−0.10	0.02	A	3.5681	0.0004	0.004	123		3.56	3.58			17311−6041	I 1	1 O							S
85728	9.165	0.016	9.099	0.020		0.066	0.024	T	0.08	0.03	L	9.1534	0.0024	0.020	121		9.12	9.19		C			1							
85729	8.118	0.008	8.147	0.010		0.003	0.000	G	0.02	0.00	H	8.1499	0.0020	0.017	113		8.11	8.18		U 2			1							
85730	9.055	0.015	7.859	0.010		1.024	0.014	T	1.00	0.01	L	7.9203	0.0017	0.013	97		7.90	7.94		C			1							
85731	9.519	0.018	9.255	0.021		0.251	0.026	T	0.28	0.03	L	9.3114	0.0021	0.022	96		9.27	9.36					1							
85732	9.576	0.015	8.136	0.008		1.215	0.013	T	1.17	0.01	L	8.1609	0.0014	0.017	159		8.13	8.19					1							
85733	8.523	0.010	8.188	0.011		0.324	0.007	G	0.38	0.01	H	8.2481	0.0013	0.013	84		8.23	8.27		C			1							S
85734	8.359	0.011	8.191	0.012		0.161	0.015	T	0.18	0.01	L	8.2474	0.0015	0.014	94		8.22	8.28		M	17312−1708	I 1	1							
85735	9.183	0.013	9.143	0.017		0.042	0.020	T	0.06	0.02	L	9.1906	0.0015	0.015	106		9.15	9.22					1							
85736	9.325	0.013	8.203	0.009		0.966	0.012	T	0.95	0.01	L	8.2832	0.0015	0.016	132		8.26	8.31		C			1							
85737	10.769	0.033	8.969	0.013	*						T *	8.8665	0.0021	0.023	191	*	8.83	8.90		D	17312−7310	I 1	2 C	A	AB	237	1.045	0.008	1.91	0.04	
85738	9.048	0.020	8.512	0.019		0.510	0.021	T	0.58	0.02	L	8.5715	0.0025	0.012	55		8.54	8.58		C			1							
85739	10.294	0.044	9.716	0.042		0.530	0.015	G	0.60	0.02	H	9.6944	0.0025	0.017	75		9.67	9.73		C			1							G
85740	9.392	0.015	9.030	0.015		0.361	0.013	G	0.42	0.01	H	9.0329	0.0049	0.042	117		8.98	9.11		R	17313+1901	I 1	1	S						S
85741	8.062	0.010	7.505	0.007		0.521	0.011	T	0.59	0.01	L	7.5601	0.0010	0.008	98		7.54	7.57			17313−1058	I 1	1							S
85742	8.484	0.012	7.373	0.009		0.958	0.012	T	0.95	0.01	L	7.4251	0.0010	0.009	94		7.41	7.45		C			1							S
85743	8.486	0.017	8.348	0.021		0.133	0.025	T	0.15	0.03	L	8.3410	0.0015	0.018	146		8.31	8.37					1							
85744	8.830	0.011	6.958	0.005		1.556	0.010	T	1.57	0.01	L	6.8886	0.0014	0.013	116		6.87	6.91		M			1							S
85745						0.538	0.015	G	0.61	0.02	H *	7.2457	0.0012	0.008	53	*	7.23	7.26		D	17313−3901	I 1	2 C	A	AB	232	3.182	0.007	1.53	0.03	S
85746	9.161	0.013	8.971	0.015		0.182	0.019	T	0.20	0.02	L	9.0070	0.0018	0.018	139		8.98	9.04		C			1							
85747	8.581	0.016	7.996	0.015		0.556	0.015	G	0.63	0.01	H	8.0503	0.0017	0.015	53		8.03	8.08		C			1							S
85748	10.336	0.054	9.684	0.051	A						T *	9.5015	0.0044	0.021	50	*	9.46	9.54		D	17313−4501	I 1	2 C	A	AB	30	2.218	0.013	1.37	0.05	
85749	6.631	0.004	5.672	0.003		0.844	0.004	T	0.86	0.00	L	5.7255	0.0005	0.005	101		5.72	5.74			17314+0243	I 1	1 O							S
85750	11.984	0.124	9.604	0.023		1.927	0.092	T	1.96	0.09	L	9.5038	0.0027	0.025	102		9.47	9.54					1							
85751	5.928	0.005	5.982	0.004		−0.045	0.006	T	−0.02	0.01	L	5.9908	0.0032	0.041	149		5.92	6.04		U 2 C			1							S
85752	8.120	0.012	8.085	0.014		0.037	0.017	T	0.05	0.01	L	8.1040	0.0012	0.009	70		8.09	8.12					1							
85753	8.928	0.014	7.982	0.010		0.834	0.013	T	0.85	0.01	L	8.0268	0.0011	0.013	124		8.00	8.05					1							S
85755	4.811	0.003	4.794	0.003		0.016	0.029	G	0.08	0.02	A	4.8040	0.0007	0.004	66		4.79	4.81					1							S
85756	8.936	0.010	8.082	0.008		0.765	0.010	T	0.80	0.01	L	8.1409	0.0013	0.014	139		8.11	8.16		C			1							S
85757	8.959	0.014	8.235	0.012		0.663	0.011	G	0.72	0.01	H	8.2776	0.0012	0.011	92		8.26	8.29		C			1							S
85758	12.223	0.171	10.155	0.041							T	10.1064	0.0034	0.030	95		10.06	10.15					1							
85759	7.376	0.007	7.233	0.007		0.138	0.009	T	0.15	0.01	L	7.2663	0.0009	0.008	95		7.25	7.28					1							S
85760	7.963	0.009	6.056	0.005		1.617	0.008	T	2.48	0.03	O	5.8450	0.0045	0.046	136		5.77	5.93		U 2			1	S						S
85761	10.003	0.020	9.394	0.017		0.567	0.023	T	0.64	0.02	L	9.4198	0.0014	0.017	130		9.39	9.45					1							
85762	9.240	0.014	7.963	0.009		1.087	0.013	T	1.05	0.01	L	8.0208	0.0015	0.011	100		8.00	8.04					1							S
85763	10.073	0.043	9.137	0.034	A	1.200	0.495	G	0.81	0.08	L *	8.9757	0.0034	0.020	62	*	8.93	9.02		D	17315−4156	I 1	2 C	A	AB	43	1.329	0.016	0.67	0.08	
85764	9.251	0.011	9.127	0.013	A	0.120	0.016	T	0.13	0.02	L	9.1770	0.0082	0.028	207	A	9.13	9.23		D	17315−7112	I 2	1 C P	A						
85765	8.708	0.014	8.298	0.014	*	0.397	0.015	G	0.46	0.02	H *	8.3266	0.0019	0.014	122	*	8.30	8.35		D	17315−6026	I 1	2 C	A	AB	163	0.382	0.003	0.12	0.03	
85766	8.920	0.011	7.320	0.006		1.319	0.060	G	1.35	0.02	A	7.3290	0.0009	0.009	110		7.31	7.34		C			1							S
85767											T	11.8060	0.0866			B				D	17315−7112	I 2	1 C I	A						
85768	10.782	0.054	10.103	0.051		0.629	0.020	G	0.70	0.02	H	10.0966	0.0032	0.026	96		10.06	10.13					1							G
85769	9.144	0.014	7.883	0.009		1.075	0.013	T	1.04	0.01	L	7.9246	0.0014	0.015	111		7.90	7.95			17315+4943	I 1	1							
85770	10.334	0.039	9.629	0.035	*	0.649	0.042	T	0.71	0.04	L *	9.5819	0.0027	0.017	78	*	9.55	9.61		D	17316−2958	I 1	2 C	A	AB	114	0.537	0.007	0.10	0.02	G
85771	9.054	0.012	7.849	0.008		1.031	0.011	T	1.00	0.01	L	7.9007	0.0012	0.011	131		7.88	7.92		C			1							S
85772	8.967	0.014	7.672	0.009		1.101	0.013	T	1.06	0.01	L	7.7399	0.0018	0.014	107		7.72	7.77					1							S
85773	10.923	0.088	8.971	0.027		1.619	0.073	T	1.64	0.07	L	8.8593	0.0020	0.015	63		8.84	8.88					1							
85774	11.257	0.102	10.183	0.064		0.930	0.092	T	0.92	0.07	L	10.1962	0.0101	0.049	62		10.09	10.25		R			1							G
85775	9.436	0.054	8.264	0.020	*	1.300	0.015	G	1.26	0.02	H *	8.4402	0.0015	0.011	73	*	8.42	8.46		D	17316−3018	I 1	2 C	A	AB	169	1.688	0.003	0.19	0.02	
85776	11.482	0.085	10.628	0.066		0.765	0.081	T	0.80	0.06	L	10.8044	0.0056	0.040	87		10.71	10.87					1							G
85777	9.409	0.016	7.957	0.009		1.224	0.014	T	1.18	0.01	L	7.9916	0.0015	0.013	109		7.97	8.01		C			1							S
85778											T	10.5445	0.0257	0.420	139		9.28	10.76		D	17317+3019	I 2		S						G
85779	10.020	0.023	8.706	0.013		1.116	0.021	T	1.08	0.02	L	8.7662	0.0018	0.018	106		8.73	8.80					1							
85780	8.893	0.019	8.535	0.020		0.337	0.004	G	0.37	0.02	A	8.5903	0.0019	0.013	56		8.57	8.61		C			1							
85781	8.237	0.008	7.043	0.005		1.087	0.197	G	1.00	0.01	L	7.0903	0.0012	0.012	146		7.07	7.11		D	17317+3019	I 2	1							S
85782	7.274	0.013	7.253	0.013	*	0.060	0.015	G	0.07	0.01	H *	7.2260	0.0019	0.011	68	*	7.20	7.25		D	17317−4102	I 1	2 C	A	AB	108	1.051	0.003	0.33	0.01	S
85783	5.972	0.003	6.048	0.004	*	−0.065	0.005	T	−0.04	0.01	L *	6.0388	0.0006	0.005	81	*	6.03	6.05		D	17317−2616	H 1	2 C	A	AB	191	0.342	0.005	2.40	0.05	S
85784	11.202	0.067	8.985	0.019	*	1.564	0.317	G	1.57	0.34	R *	8.7745	0.0021	0.018	108	*	8.74	8.80			17317−0959	H 1	2 C S	B	AB	187	0.121	0.022	1.06	0.76	
85785	9.024	0.012	8.745	0.013		0.250	0.015	G	0.28	0.02	H	8.7993	0.0022	0.017	121		8.77	8.83		C			1							
85786	7.966	0.013	6.542	0.006		1.191	0.002	G	1.15	0.00	H	6.5840	0.0011	0.005	65		6.57	6.59		C			1							S
85787	9.705	0.024	8.597	0.016		0.955	0.022	T	0.94	0.02	L	8.6281	0.0018	0.017	81		8.60	8.66					1							
85788	7.054	0.008	6.130	0.006		0.805	0.007	G	0.79	0.04	E	6.1857	0.0015	0.008	57		6.18	6.20			17318−4602	I 1	1							S
85789	8.218	0.011	8.000	0.012		0.208	0.015	T	0.23	0.02	L	8.0498	0.0015	0.014	96		8.02	8.07		C			1							S
85790	5.652	0.003	5.655	0.003		−0.001	0.004	T	0.02	0.00	L	5.6644	0.0006	0.007	163		5.65	5.68					1							S
85791	9.181	0.009	8.039	0.006		0.982	0.008	T	0.96	0.01	L	8.0857	0.0013	0.017	207		8.06	8.11					1							
85792	2.696	0.003	2.824	0.003		−0.136	0.004	G	−0.15	0.14	G	2.7869	0.0034	0.028	73		2.74	2.82		U 2 C	17318−4953	I 1	1							S P
85793	10.143	0.039	8.931	0.025		1.036	0.036	T	1.01	0.03	L	8.9708	0.0031	0.017	53		8.94	9.00					1							
85794	11.413	0.118	11.145	0.149	B	0.255	0.178	T	0.29	0.22	L	11.1929	0.0797			B				D	17319+5655	I 2	1 C I	A						
85795	8.883	0.013	8.416	0.013		0.455	0.015	G	0.52	0.02	H	8.4610	0.0017	0.015	106		8.43	8.50					1							S
85796	9.810	0.023	8.622	0.015	A	1.018	0.021	T	0.99	0.02	L	8.6893	0.0084	0.022	95	A	8.66	8.73		D	17319+5655	I 2	1 C P	A						S
85797	10.219	0.047	9.555	0.042		0.560	0.015	G	0.63	0.01	H	9.6730	0.0022	0.017	66		9.65	9.70		C			1							G
85798	10.154	0.025	8.917	0.015		1.056	0.023	T	1.02	0.02	L	8.9427	0.0032	0.021	101		8.91	8.99					1							
85799	7.615	0.006	7.048	0.006		0.534	0.006	T	0.61	0.01	L	7.0944	0.0012	0.010	91		7.08	7.11		C			1							S
85800	10.177	0.025	8.418	0.011		1.466	0.022	T	1.48	0.03	L	8.3958	0.0017	0.018	145		8.37	8.43					1							

Number HIP 1 2	Descriptor: epoch J1991.25 RA h m s 3	Dec ±° ′ ″ 4	V mag 5	6 7	Position: epoch J1991.25 α (ICRS) deg 8	δ deg 9	10	Par. π mas 11	Proper Motion $\mu_{\alpha*}$ mas/yr 12	μ_δ mas/yr 13	Standard Errors α* mas 14	δ mas 15	π mas 16	$\mu_{\alpha*}$ mas/yr 17	μ_δ mas/yr 18	Astrometric Correlations (%) 19	20	21	22	23	24	25	26	27	28	Soln F1 % 29	F2 30
85801	17 31 56.21	−37 40 54.6	8.54	H	262.984 210 36	−37.681 830 30		1.66	1.72	−0.28	1.00	0.71	1.12	1.10	0.74	+ 6	−31	−27	+31	−22	−11	−15	+46	−18	−12	3	1.79
85802	17 31 56.30	−28 07 07.2	9.40	G	262.984 603 38	−28.118 662 27		6.33	−39.22	−22.24	1.40	0.72	1.55	1.51	0.70	−14	−42	− 9	+21	−22	−13	−20	+20	+ 3	−18	0	0.05
85803	17 31 56.55	−30 24 04.3	8.23	H	262.985 614 97	−30.401 196 63		0.65	−0.58	−6.26	1.04	0.66	1.06	1.18	0.71	−28	−36	− 7	+38	−23	−12	−22	+50	+ 1	−38	0	1.19
85804 H	17 31 56.96	−22 59 58.2	9.06	H	262.987 322 68	−22.999 512 44	A	6.04	16.02	−14.98	4.34	2.34	3.19	3.39	2.08	+17	−13	−15	+ 6	−11	−21	− 8	+23	+ 1	−11	3	1.00
*85805	17 31 57.89	+68 08 04.9	5.07	H	262.991 208 20	+68.134 701 86		15.02	−13.56	132.70	0.57	0.50	0.54	0.63	0.60	+ 4	− 5	+ 7	−45	− 2	−20	− 4	−16	−12	+19	0	−0.31
*85806	17 31 57.72	+00 02 33.0	6.75	H	262.990 487 94	+00.042 509 46		4.66	10.54	−5.43	0.80	0.48	1.07	0.90	0.51	− 9	−45	+ 1	+34	+33	−33	+37	+33	−27	+10	0	−0.58
85807	17 31 58.77	−58 35 51.5	8.95	G	262.994 883 38	−58.597 626 75		4.62	0.29	−21.53	0.87	0.75	1.17	0.98	0.79	− 1	− 7	+ 5	−13	−13	− 7	−10	−12	−17	+ 6	0	0.32
85808	17 31 59.37	+35 42 52.0	8.69	H	262.997 355 76	+35.714 446 19		3.08	−2.24	−5.26	0.75	0.74	0.92	0.88	0.87	+13	−22	− 8	+31	+19	−17	+20	+16	−15	+16	0	0.13
85809	17 32 00.38	−12 31 24.9	9.23	H	263.001 600 88	−12.523 577 19		5.52	−7.42	−0.24	1.24	0.76	1.25	1.43	0.72	−14	−32	+ 9	+28	− 3	+ 4	− 1	+71	−10	−14	0	−1.32
85810	17 32 01.16	+34 16 15.6	6.52	H	263.004 840 63	+34.270 994 19		42.20	−239.65	62.73	0.45	0.45	0.56	0.47	0.51	+ 5	−13	− 1	− 1	+ 6	−12	+ 7	− 2	− 3	+ 9	0	−0.18
85811	17 32 01.52	−31 49 37.8	8.34	H	263.006 322 79	−31.827 164 09		−0.13	0.22	−7.33	1.06	0.69	1.14	1.15	0.75	−14	−37	−21	+22	−31	+ 0	−23	+47	− 8	−39	0	−0.14
85812 H	17 32 02.87	+02 49 25.4	7.41	2 H	263.011 969 39	+02.823 724 36	A	1.60	−2.78	−8.70	1.21	0.79	1.34	1.18	0.72	− 5	−16	−29	+17	+28	−21	+30	+21	−21	+11	1	1.30
85813	17 32 04.04	+07 30 58.6	9.21	H	263.016 845 49	+07.516 271 74		0.94	−5.04	−3.97	1.01	0.71	1.27	1.04	0.77	+17	−36	− 1	+23	+38	− 3	+43	+22	−32	+28	0	0.63
85814	17 32 05.04	−20 34 59.1	9.23	H	263.020 994 22	−20.583 092 90		8.82	−138.18	−61.65	1.39	0.75	1.52	1.54	0.71	+ 4	−33	− 6	+ 7	−41	−17	−14	+57	−19	−25	0	2.04
85815 H	17 32 05.11	−61 57 01.9	8.64	G	263.021 292 02	−61.950 540 05	A	3.11	−23.33	−58.48	1.31	1.12	1.50	1.37	1.09	+12	−26	−15	−32	−13	+17	−10	−18	− 5	+ 6	1	0.71
85816	17 32 07.13	−31 32 56.7	7.95	1 G	263.029 689 88	−31.549 094 65		0.17	0.22	−1.60	1.00	0.65	1.09	1.09	0.70	− 7	−38	−25	+23	−25	+ 5	−16	+49	− 9	−28	0	−0.39
85817	17 32 07.25	+65 26 31.7	10.19	H	263.030 203 99	+65.442 152 47		2.96	8.00	−10.63	0.88	1.03	1.02	0.74	1.23	− 1	− 3	+ 1	−42	−10	+ 0	− 5	− 3	− 4	−27	0	0.44
85818 H	17 32 07.30	−44 19 19.6	9.05	2 H	263.030 412 48	−44.322 106 49	A	8.59	−22.38	19.28	10.46	7.76	6.30	10.11	6.95	−30	+21	−38	+32	−32	+18	−34	+46	−50	−33	20	−0.06
85819	17 32 10.42	+55 11 02.8	4.89	G	263.043 408 26	+55.184 110 77		32.96	148.53	54.24	0.51	0.51	0.53	0.60	0.67	+ 9	+ 2	− 6	+21	+ 3	− 1	+ 4	+28	−13	−10	0	0.17
85820	17 32 10.48	−51 04 26.7	8.11	3 H	263.043 684 27	−51.074 084 07		2.68	9.49	−8.15	1.15	0.77	1.36	1.30	0.90	+10	−46	+ 7	−15	+15	+15	−21	−31	− 2	+ 8	4	2.18
85821	17 32 11.55	+21 15 50.0	8.30	H	263.048 137 87	+21.263 880 91		7.00	−6.88	1.53	0.80	0.77	1.24	1.16	1.01	+ 4	−18	−25	−16	− 2	−18	+ 6	+22	−36	−10	0	−1.58
85822	17 32 12.90	+86 35 10.8	4.35	H	263.053 738 26	+86.586 329 24		17.85	10.54	53.97	0.42	0.44	0.48	0.47	0.49	+ 8	− 8	+ 4	+ 7	+14	+ 2	+13	+15	− 4	+23	0	−1.33
85823	17 32 13.19	+10 03 47.6	10.78	H	263.054 955 61	+10.063 211 08		0.09	−3.69	−17.25	1.52	1.18	1.99	1.61	1.23	+22	−21	−16	+36	+35	+ 6	+39	+34	−23	+22	0	1.31
85824	17 32 13.61	+46 19 49.7	7.30	H	263.056 707 07	+46.330 478 94		3.87	−22.09	−10.06	0.60	0.54	0.64	0.72	0.62	+ 6	−17	−13	− 2	+19	−20	+15	+ 9	− 3	+16	0	−1.65
85825	17 32 14.58	+52 35 32.8	8.08	H	263.060 743 54	+52.592 457 34		11.40	33.69	−24.81	0.55	0.68	0.66	0.59	0.72	− 3	− 6	+10	+ 8	+11	− 7	+12	+14	− 9	+ 1	3	0.44
85826	17 32 14.88	+11 55 48.0	6.42	H	263.061 996 76	+11.930 007 48		6.59	2.69	16.32	0.64	0.52	0.77	0.72	0.58	+17	−13	+ 3	+29	+35	+20	+36	+35	− 9	+23	0	2.80
85827	17 32 15.34	−44 22 39.2	9.09	G	263.063 932 81	−44.377 566 89		1.38	5.32	−3.17	1.56	1.11	1.56	2.19	1.37	−11	− 7	−12	+17	−22	− 2	−26	+53	−18	+12	0	0.30
85828	17 32 15.59	+71 35 08.9	7.95	1 H	263.064 945 33	+71.585 792 77		1.03	−6.65	22.27	0.59	0.61	0.63	0.63	0.68	+11	−11	− 1	+18	+ 6	−11	+ 7	+11	−12	+19	0	0.21
85829	17 32 15.88	+55 10 22.1	4.86	G	263.066 162 49	+55.172 806 74		32.64	143.71	62.46	0.52	0.51	0.53	0.60	0.69	+ 9	+ 2	− 5	+21	+ 3	− 1	+ 5	+30	−11	−10	2	0.94
85830	17 32 16.88	−62 09 44.5	8.76	H	263.070 348 95	−62.162 364 09		1.95	19.70	24.34	0.87	0.79	1.22	1.06	0.87	+13	−11	− 9	−32	−20	+ 7	−14	−11	−13	+ 2	0	−0.42
85831	17 32 17.74	−48 27 34.0	11.15	G	263.073 924 94	−48.459 443 52		11.31	−57.43	−193.41	4.27	2.68	4.96	5.72	2.58	+ 0	−26	+ 4	+ 4	+ 6	−19	+ 9	−38	− 3	+18	4	
85832	17 32 18.36	+18 23 10.9	7.68	H	263.076 484 57	+18.386 356 58		5.83	−11.98	−27.90	0.53	0.60	0.95	0.70	0.67	+ 2	−18	− 9	+ 3	+19	+16	+20	+11	−16	+ 6	3	−0.68
85833	17 32 19.36	−42 10 53.9	7.86	G	263.080 672 28	−42.181 652 24		6.39	−22.90	−35.81	1.02	0.73	1.03	1.13	0.79	− 9	−34	−20	+30	−38	+ 9	−29	+50	− 7	−30	0	0.58
85834	17 32 20.50	−52 26 20.3	8.73	H	263.085 421 41	−52.438 975 50		2.78	−8.29	−24.56	1.29	0.78	1.42	1.45	0.75	+ 0	−36	− 7	+13	+24	− 7	+20	−15	+ 3	+12	0	−1.33
85835	17 32 22.42	−55 36 59.4	8.82	H	263.093 422 47	−55.616 502 70		2.31	−6.25	1.16	0.93	0.70	1.21	1.14	0.82	−16	−19	− 4	+ 4	− 2	+12	− 6	− 7	+20	−17	0	0.59
*85836 H	17 32 23.01	−46 37 42.9	8.62	G	263.095 860 81	−46.628 597 20	A	8.52	−7.93	−2.28	3.16	2.68	2.49	3.52	2.77	−18	− 9	+ 4	+27	−16	− 6	−16	+40	− 8	−35	2	−0.08
*85837 H	17 32 22.97	+28 48 16.0	8.06	G	263.095 707 78	+28.804 438 33	*	7.32	19.35	11.75	0.55	0.66	0.86	0.68	0.81	+ 9	−22	− 9	+ 3	+ 2	−13	+ 1	− 3	− 3	+ 1	1	0.30
85838	17 32 24.04	+14 23 02.1	7.02	H	263.100 148 90	+14.383 917 92		3.01	−2.39	−47.88	0.63	0.59	0.81	0.58	0.59	+14	−20	−16	+30	+47	+ 2	+50	+28	− 8	+25	0	0.18
85839	17 32 24.64	−34 16 45.6	6.16	1 H	263.102 646 42	−34.279 323 79		9.55	−11.58	−33.39	0.83	0.63	0.89	1.00	0.67	−40	−13	−29	+40	−42	+19	−34	+63	−21	−52	0	−1.24
85840	17 32 25.16	+26 26 21.7	6.84	H	263.104 815 25	+26.439 374 05		13.18	13.75	36.52	0.39	0.47	0.65	0.47	0.53	+ 5	− 8	+ 4	−14	+ 1	−22	+ 2	−13	− 7	+20	0	1.44
85841	17 32 26.81	+35 46 23.3	7.80	H	263.111 727 78	+35.773 127 76		3.17	−3.21	−4.10	0.54	0.54	0.66	0.61	0.63	+10	− 8	+ 0	+19	+17	−17	+19	+11	− 4	+20	0	0.32
85842	17 32 28.80	+25 43 39.8	8.54	G	263.119 982 31	+25.727 726 69		4.52	−1.60	46.48	0.54	0.74	1.03	0.68	0.95	+10	−10	− 1	− 4	− 7	− 5	− 6	− 1	−11	+ 7	0	−0.18
85843	17 32 29.16	+13 46 20.3	8.99	H	263.121 482 02	+13.772 302 05		3.63	−11.22	−12.81	0.97	0.88	1.17	0.88	0.92	+25	−25	−13	+27	+57	− 2	+57	+40	− 3	+45	2	0.17
85844	17 32 32.68	+52 05 40.2	7.95	H	263.136 173 28	+52.094 492 59		3.99	8.95	5.53	0.56	0.63	0.64	0.57	0.71	+ 1	− 1	+20	+ 4	+ 3	− 4	+ 6	+19	− 9	− 2	0	−0.42
85845	17 32 33.49	+25 33 40.6	8.84	H	263.139 561 25	+25.561 288 74		7.30	−7.15	14.62	0.59	0.84	1.17	0.71	1.10	+ 6	−20	+ 4	− 2	+ 1	− 2	+ 4	− 9	−18	+ 4	0	1.10
85846 H	17 32 34.08	+34 44 47.6	7.97	G	263.142 014 15	+34.746 544 04	*	16.81	31.17	9.60	0.56	0.62	0.73	0.64	0.76	+13	−10	+ 9	+10	+ 9	− 9	+10	+12	+ 2	+14	1	−0.19
85847	17 32 34.25	+60 46 57.9	9.86	H	263.142 728 89	+60.782 739 54		2.29	1.83	4.54	0.92	0.99	0.95	0.96	1.21	+28	−12	+10	+30	+17	− 8	+20	+23	−19	+26	3	−0.88
85848	17 32 35.49	−41 27 16.2	9.44	H	263.147 894 49	−41.454 486 72		10.00	−4.62	−17.43	1.91	1.37	2.13	1.89	1.45	−30	−49	+19	+31	−21	− 5	−10	+26	−16	−26	17	2.60
85849	17 32 36.02	−68 04 03.5	8.58	2 H	263.150 071 27	−68.067 626 22		2.47	−6.43	−8.06	0.58	0.68	1.00	0.81	0.84	−11	− 1	− 1	+33	−28	−11	−25	+24	−12	− 6	0	−0.06
85850	17 32 37.05	+33 34 09.7	10.21	G	263.154 385 06	+33.569 362 66		21.35	−220.66	176.46	1.05	1.15	1.35	1.17	1.27	+15	−16	−14	+13	+20	−12	+18	−13	+ 6	+17	0	2.45
85851	17 32 38.34	−35 00 10.1	8.89	G	263.159 737 05	−35.002 809 26		4.55	−1.06	−3.95	1.10	0.70	1.25	1.34	0.80	− 1	−36	−12	+17	−10	− 3	− 8	+46	+ 0	−10	0	0.20
85852	17 32 41.35	+74 13 38.2	6.61	2 H	263.172 285 38	+74.227 264 69		9.68	−66.82	37.07	0.80	0.66	0.80	0.87	0.94	+15	−16	− 4	−34	− 6	+ 5	− 3	−20	− 9	+ 4	2	
85853	17 32 41.52	−46 35 27.7	10.25	H	263.173 019 78	−46.591 037 44		1.02	11.68	−11.32	2.01	1.63	2.24	2.70	2.02	−12	−17	−13	+26	−16	+11	−10	+55	−21	−16	2	4.92
85854	17 32 41.75	−57 38 17.9	8.06	H	263.173 971 82	−57.638 314 83		0.62	−4.08	−20.46	0.78	0.65	1.02	0.88	0.64	−15	−12	−15	−15	− 7	+ 2	− 5	−23	+ 0	−20	0	0.31
85855	17 32 41.84	+23 44 12.4	8.94	G	263.174 319 71	+23.736 777 46		4.29	−332.26	−87.80	0.50	0.80	1.17	0.60	0.94	+ 7	−12	+ 4	+16	+10	+ 0	+10	+16	− 1	+15	0	−1.10
85856	17 32 42.55	−63 08 42.7	8.69	H	263.177 284 12	−63.145 194 93		3.15	3.59	−16.70	0.76	0.79	1.16	0.79	0.83	+ 1	−10	− 2	−20	+11	+ 1	+ 7	+ 5	− 8	+20	0	0.26
85857	17 32 43.30	+40 39 35.0	8.20	H	263.180 408 39	+40.659 725 38		12.20	−20.54	4.33	0.57	0.67	0.71	0.59	0.73	+ 1	−11	− 7	+15	+11	−11	+11	+13	− 1	+ 5	1	0.21
85858	17 32 44.00	−62 14 10.9	7.51	G	263.183 321 96	−62.236 368 97		9.78	91.22	−17.34	0.69	0.57	0.90	0.83	0.61	+15	− 8	−16	−30	−25	+ 8	−18	− 6	− 2	+ 0	0	−0.30
85859	17 32 44.26	+56 46 43.1	8.87	H	263.184 402 43	+56.778 639 84		3.10	7.18	−96.21	0.71	0.81	0.77	0.77	0.95	+14	− 6	− 3	+19	+22	+ 1	+23	+16	+ 6	+11	0	−0.25
85860	17 32 44.29	−15 56 05.7	9.52	H	263.184 556 58	−15.934 925 03		4.40	−6.00	−7.80	1.44	0.76	1.61	1.80	0.70	+ 0	−28	+16	− 3	−35	−19	−12	+50	−14	−10	4	0.77
85861 H	17 32 44.47	+02 51 18.7	9.38	H	263.185 284 66	+02.855 183 02	*	2.88	−1.81	−8.65	1.50	0.91	1.54	1.67	0.97	+28	−29	+ 7	+56	+42	− 4	+43	+48	−14	+35	2	0.81
85862	17 32 44.66	+38 21 27.7	10.08	H	263.186 098 84	+38.357 684 19		3.91	−1.92	20.74	1.02	1.05	1.22	1.28	1.23	+14	− 6	− 7	+23	+19	−18	+18	+19	− 3	+18	1	0.74
85863 H	17 32 45.14	+66 58 56.1	8.06	G	263.188 087 82	+66.982 257 38	A	5.79	−14.27	32.64	1.66	1.70	0.98	1.06	1.09	+41	−12	− 6	−11	− 3	+17	+ 1	−18	− 9	+30	2	−0.56
85864	17 32 47.35	−51 06 09.0	8.19	H	263.197 296 03	−51.102 502 85		7.05	1.79	−47.66	0.99	0.57	1.20	0.94	0.53	+ 2	−44	+11	+21	− 5	−20	+ 4	−20	−15	+ 8	2	1.59
85865	17 32 48.61	+23 17 18.0	8.95	H	263.202 549 09	+23.288 336 37		4.48	0.95	3.05	0.53	0.79	1.14	0.61	0.98	− 6	−16	− 3	+ 3	+17	+ 3	+20	+ 5	−18	+ 2	0	−0.54
85866	17 32 48.71	−14 47 30.7	8.02	H	263.202 947 27	−14.791 870 77		5.15	18.24	−14.37	1.13	0.59	1.22	1.10	0.59	−16	−48	− 7	− 9	−29	− 1	− 4	+59	−18	−42	0	1.19
85867	17 32 48.89	+19 22 38.4	7.79	H	263.203 720 30	+19.377 319 70		9.35	−12.09	−38.83	0.63	0.65	0.89	0.91	0.71	+ 4	−20	−21	+ 4	+17	− 8	+12	+ 6	− 3	+ 6	0	0.39
85868	17 32 49.72	+47 53 19.2	7.82	H	263.207 156 41	+47.888 665 71	A	5.35	0.71	19.89	1.45	1.39	1.18	1.61	1.56	+ 4	+ 3	− 9	− 2	+ 7	− 1	+ 4	+25	− 2	+ 8	1	0.52
85869	17 32 50.14	+19 05 10.6	7.59	H	263.208 925 45	+19.086 286 27		3.44	−7.53	−16.40	0.57	0.64	0.93	0.85	0.74	+ 1	−13	−18	+ 4	+14	+ 5	+13	− 6	− 2	+ 5	2	−1.84
85870	17 32 50.57	+16 31 31.2	8.67	H	263.210 687 51	+16.525 321 73		4.76	−3.11	14.49	0.94	0.88	1.20	0.94	0.94	+ 9	− 6	−18	+31	+38	+15	+47	+14	−11	+19	2	−0.17
85871	17 32 50.72	−13 28 55.4	7.25	H	263.211 328 96	−13.482 063 86		6.54	−16.84	−13.10	0.95	0.54	1.01	1.53	0.54	−11	−14	+18	− 6	− 6	−13	+ 2	+56	− 1	−22	0	2.38
85872	17 32 51.79	+47 53 15.9	11.63	H	263.215 795 89	+47.887 755 22	B	5.35	0.71	19.89	118.72	110.74	1.18	1.61	1.56	+ 7	− 3	+ 1	+ 8	+ 3	− 1	+ 1	+14	− 2	+ 8	1	0.52
85873	17 32 52.90	+21 52 57.3	8.80	1 H	263.220 408 75	+21.882 595 48		3.12	4.59	−17.48	0.58	0.87	1.37	1.08	1.26	− 4	−12	+ 9	+12	+45	+ 1	+39	+ 3	−19	+11	1	1.92
85874	17 32 53.48	−50 40 32.2	8.01	1 H	263.222 845 84	−50.675 613 05		2.00	2.16	−8.86	1.03	0.60	1.20	0.97	0.53	+12	−45	+ 4	+ 9	− 4	− 8	+ 3	−32	−12	+18	0	0.65
85875	17 32 58.99	−17 29 45.5	6.81	H	263.245 797 42	−17.495 974 65		7.03	−5.90	14.01	1.11	0.51	1.12	1.13	0.51	+ 6	−58	−12	+29	−15	− 6	−24	+47	+ 1	−12	0	−0.54
85876 H	17 32 59.13	+09 12 42.3	8.48	H	263.246 375 45	+09.211 761 46	*	2.59	3.41	−5.01	1.76	1.46	1.33	1.25	0.98	− 3	−10	+ 8	+29	+ 7	− 9	+14	+15	− 3	− 9	3	−0.91
85877	17 33 00.37	−24 19 22.5	8.48	G	263.251 529 83	−24.322 922 29		9.70	−17.92	−117.10	1.28	0.72	1.37	1.63	0.70	−14	− 3	+13	+12	−47	−10	−36	+27	−22	−22	0	−0.12
85878 H	17 33 00.50	−43 59 58.1	9.23	H	263.252 084 90	−43.999 468 04	A	0.62	−3.54	−2.68	2.86	3.24	2.86	3.64	2.38	+ 2	−16	−28	+ 3	−13	−12	−21	+45	−22	+22	2	−0.96
85879	17 33 01.70	+38 31 20.0	9.70	H	263.257 076 62	+38.522 210 63		3.86	−12.14	9.40	1.00	0.98	1.13	1.19	1.20	+20	− 6	+ 6	+34	+13	−10	+13	+24	− 8	+ 9	0	−0.15
85880	17 33 02.35	+49 20 42.8	7.36	H	263.259 798 73	+49.345 225 88		5.44	−4.09	−0.62	0.50	0.47	0.53	0.57	0.56	+ 7	−11	− 6	+ 4	+13	− 8	+10	+13	+ 4	+19	0	0.13
85881	17 33 03.44	−29 39 03.0	7.22	H	263.264 339 51	−29.650 837 54		−0.02	−0.66	−2.70	0.87	0.64	0.96	1.00	0.68	−23	−34	−26	+25	−42	− 8	−33	+54	− 4	−55	3	1.74
85882	17 33 04.02	−25 02 51.3	9.66	H	263.266 738 88	−25.047 575 62		13.47	28.69	−26.99	1.45	0.83	1.50	1.91	0.80	−27	−22	+ 1	+25	−49	+ 7	−34	+32	−21	−22	0	−1.07
85883	17 33 04.37	+31 58 09.2	8.48	H	263.268 198 31	+31.969 211 34		4.62	−11.22	−8.43	0.57	0.63	0.79	0.64	0.66	+20	−24	−15	+10	+ 4	−18	+ 3	+ 3	− 5	+20	0	0.16
85884	17 33 05.06	−28 26 26.0	10.05	G	263.271 074 61	−28.440 553 00		5.92	18.75	−0.25	1.62	0.92	1.83	1.72	0.91	−19	−33	− 7	+18	−24	−16	−19	+34	− 8	−28	0	0.36
85885	17 33 06.02	−33 03 28.0	7.27	H	263.275 074 80	−33.057 776 91		1.84	−1.73	−4.36	0.93	0.63	0.98	1.09	0.70	−18	−39	−13	+36	−20	− 8	−18	+60	− 5	−23	0	−1.60
85886	17 33 06.07	−44 29 55.7	8.23	G	263.275 296 05	−44.498 798 44		2.94	−3.43	−7.76	1.80	1.23	1.83	2.07	1.55	+ 6	−37	− 0	+44	−20	−35	−18	+62	− 1	− 8	0	−0.04
85887	17 33 06.72	+74 33 59.1	11.30	H	263.278 006 79	+74.566 406 84		23.87	−158.43	384.68	1.57	1.15	1.66	1.51	1.71	+17	−31	− 5	−21	+ 5	+ 5	+16	−21	−20	+ 5	1	0.85
85888	17 33 07.31	+41 14 37.0	5.72	H	263.280 459 82	+41.243 599 53		8.62	−67.50	−62.08	0.44	0.48	0.53	0.47	0.61	− 1	− 1	−13	+16	− 7	+ 0	− 5	+31	−17	−15	0	2.20
85889	17 33 07.39	−41 10 23.0	5.84	H	263.280 779 41	−41.173 057 56		3.32	2.43	−3.60	0.79	0.57	0.85	0.89	0.62	−19	−29	−12	+33	−25	+ 2	−21	+44	− 4	−33	0	−1.44
85890	17 33 08.81	−49 11 30.8	10.06	H	263.286 708 41	−49.191 884 15		8.56	11.50	−0.74	2.09	1.04	2.25	2.49	1.02	+ 3	−37	+21	+49	+27	+11	+34	− 6	+ 8	+29	0	0.85
85891	17 33 08.99	+23 55 14.4	7.98	H	263.287 438 62	+23.920 656 37		3.81	−13.01	21.98	0.38	0.64	0.91	0.45	0.75	+ 8	−11	+ 1	− 3	+ 6	− 2	+ 6	+ 1	− 1	+15	1	−1.25
85892	17 33 09.26	+16 46 09.5	7.01	H	263.288 572 86	+16.769 310 89		2.86	13.07	−11.65	0.68	0.64	0.90	0.73	0.67	+ 0	− 8	−27	+30	+24	+18	+33	+23	−12	+ 6	0	−0.19
85893	17 33 10.13	−45 55 40.0	9.96	H	263.292 192 80	−45.927 776 08		5.54	−19.90	−49.77	1.71	1.41	1.97	2.27	1.74	−12	−29	+ 8	+21	− 2	−16	− 5	+52	−11	+13	6	2.04
85894	17 33 10.43	+07 43 07.9	7.60	H	263.293 443 68	+07.718 855 88		3.37	3.70	7.32	0.75	0.59	0.95	0.81	0.64	+21	−25	−11	+14	+39	+ 2	+39	+32	−19	+33	3	−0.88
85895	17 33 11.34	−58 33 27.2	6.99	2 H	263.297 255 49	−58.557 557 93		4.57	6.20	10.27	0.66	0.50	0.80	0.75	0.50	−13	− 6	+ 1	− 8	−18	− 8	−15	−10	− 6	− 9	0	0.43
85896	17 33 11.42	−74 09 45.7	12.32	2 H	263.297 591 82	−74.162 684 27		8.09	4.57	−17.65	2.00	2.57	3.38	2.20	3.13	+ 9	−12	+ 5	+ 7	+ 1	−10	+ 1	+ 7	+ 2	+11	0	−0.81
85897	17 33 11.51	−56 17 03.8	7.53	H	263.297 950 06	−56.284 401 80		5.36	−0.21	9.39	0.64	0.52	0.85	0.75	0.54	−42	− 5	−13	−26	+ 7	+ 5	+10	−41	+23	−39	1	1.66
85898	17 33 12.26	−50 33 20.0	8.84	H	263.301 091 21	−50.555 551 69		4.64	−1.02	−28.23	1.21	0.67	1.37	1.22	0.62	+ 7	−40	+ 3	+21	+ 9	+ 1	+12	−15	− 8	+14	2	−0.08
85899	17 33 12.43	−24 08 34.6	9.60	H	263.301 790 15	−

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
85801	8.828	0.022	8.580	0.024		0.236	0.031	T	0.26	0.04	L	8.6111	0.0028	0.017	65		8.58	8.64					1							
85802	10.065	0.031	9.489	0.031		0.550	0.015	G	0.62	0.01	H	9.5166	0.0019	0.016	85		9.49	9.54		C			1 S							G
85803	8.275	0.012	8.226	0.015		0.044	0.017	T	0.06	0.01	L	8.2491	0.0018	0.016	83		8.22	8.29					1							
85804	9.349	0.029	8.703	0.028	*	0.592	0.030	T	0.66	0.03	L *	9.1885	0.0017	0.015	90	*	9.17	9.21		D	17319−2300	I 1	2 C A	AB	233	2.638	0.009	0.11	0.01	
85805	6.429	0.004	5.194	0.003		1.077	0.004	G	1.04	0.00	H	5.2383	0.0006	0.005	97		5.23	5.25		C	17319+6809	I 1	1							S
85806	8.195	0.007	6.886	0.004		1.112	0.006	T	1.07	0.01	L	6.9205	0.0008	0.009	135		6.90	6.93		C			1							S
85807	9.180	0.016	8.942	0.018		0.173	0.003	G	0.19	0.00	H	9.0008	0.0019	0.020	105		8.96	9.05					1							
85808	9.909	0.018	8.787	0.012		0.966	0.017	T	0.95	0.01	L	8.8558	0.0018	0.018	131		8.83	8.90					1							
85809	9.645	0.020	9.268	0.022		0.368	0.026	T	0.43	0.03	L	9.3113	0.0016	0.013	95		9.29	9.34		C			1							
85810	7.317	0.005	6.595	0.003		0.639	0.003	G	0.70	0.00	H	6.6563	0.0006	0.007	140		6.64	6.67					1							S
85811	8.446	0.014	8.354	0.017		0.090	0.021	T	0.10	0.02	L	8.3760	0.0020	0.011	69		8.35	8.40					1							
85812	7.451	0.010	7.515	0.012	*	−0.054	0.014	T	−0.03	0.01	L *	7.4021	0.0032	0.023	100	*	7.38	7.46	1.09	P 1 A	17320+0249	I 1	2 C A	AB	348	1.018	0.002	1.07	0.01	S
85813	9.436	0.017	9.255	0.020		0.173	0.025	T	0.19	0.03	L	9.2647	0.0027	0.018	109		9.23	9.30					1							
85814	9.742	0.021	9.271	0.021		0.457	0.023	T	0.53	0.02	L	9.3319	0.0022	0.016	98		9.30	9.36		C			1							
85815	9.003	0.013	8.626	0.013	A	0.368	0.016	G	0.43	0.02	H *	8.6252	0.0027	0.023	134	*	8.58	8.66			17321−6157	I 1	2 C A	AB	78	6.397	0.027	3.00	0.11	
85816	8.832	0.018	8.084	0.015		0.784	0.018	G	0.82	0.01	H	8.0905	0.0030	0.021	70		8.06	8.13		U			1							
85817	11.082	0.052	10.263	0.042		0.739	0.051	T	0.79	0.04	L	10.3300	0.0030	0.028	108		10.28	10.38		C			1							G
85818	9.711	0.044	9.625	0.061	A	0.410	0.495	G	0.47	0.15	L *	9.1394	0.0180	0.161	44	*	9.06	9.64		U 2	17321−4419	I 1	2 C A	AB	38	8.820	0.010	0.05	0.05	G P
85819	5.187	0.003	4.913	0.003		0.251	0.006	G	0.28	0.03	C	4.9606	0.0007	0.006	95		4.95	4.97			17322+5511	I 2	1							S
85820	9.692	0.020	8.295	0.011		1.197	0.019	T	3.88	0.10	O	7.6607	0.0433	0.267	115		7.44	8.19	294.00	P 1 A			1 G							
85821	8.468	0.010	8.320	0.012		0.142	0.015	T	0.16	0.01	L	8.3478	0.0017	0.017	96		8.32	8.39		C			1							S
85822	4.391	0.002	4.352	0.002		0.021	0.002	G	0.04	0.01	G	4.3641	0.0005	0.004	123		4.36	4.37		C			1 S							S
85823	11.356	0.075	10.871	0.078		0.456	0.099	T	0.53	0.10	L	10.8809	0.0046	0.033	91		10.80	10.94		C			1							G
85824	9.097	0.014	7.455	0.007		1.374	0.012	T	1.34	0.01	L	7.4493	0.0010	0.009	94		7.43	7.47		C			1							S
85825	8.591	0.011	8.151	0.011		0.415	0.014	T	0.48	0.01	L	8.1736	0.0013	0.013	105		8.14	8.20		C	17322+5236	I 1	1 S							S
85826	6.402	0.004	6.418	0.004		−0.013	0.005	T	0.01	0.01	L	6.4226	0.0007	0.007	91		6.41	6.43		C			1							S
85827	9.045	0.027	9.136	0.039		0.003	0.015	G	0.02	0.01	H	9.0848	0.0032	0.014	43		9.04	9.11					1							
85828	10.038	0.024	8.141	0.010		1.576	0.021	T	1.59	0.02	L	8.0674	0.0022	0.016	116		8.04	8.09		U			1							
85829	5.216	0.003	4.894	0.003		0.279	0.005	G	0.30	0.03	C	4.9413	0.0007	0.005	93		4.93	4.95		C	17322+5511	I 2	1							S
85830	10.282	0.028	8.904	0.015		1.166	0.025	T	1.13	0.02	L	8.9248	0.0016	0.017	126		8.89	8.96		C			1							
85831						1.090	0.020	G	1.16	0.03	I	11.2908	0.0039	0.038	93		11.22	11.36					1 X S							G
85832	9.263	0.013	7.812	0.007		1.223	0.012	T	1.18	0.01	L	7.8470	0.0013	0.015	165		7.82	7.87		C			1							S
85833	8.166	0.013	7.861	0.017		0.235	0.003	G	0.26	0.00	H	7.9364	0.0019	0.011	56		7.92	7.95					1							S
85834	10.779	0.051	8.913	0.020		1.551	0.043	T	1.57	0.04	L	8.8487	0.0027	0.018	77		8.81	8.88					1							
85835	10.979	0.048	9.049	0.017		1.602	0.040	T	1.62	0.04	L	8.9342	0.0028	0.027	128		8.90	8.97					1							
85836	9.099	0.029	8.481	0.028	*	0.620	0.015	G	0.69	0.01	H *	8.7658	0.0018	0.013	61	*	8.74	8.79		D	17324−4638	I 1	2 C A	AB	261	2.923	0.007	0.14	0.02	
85837	8.477	0.009	8.081	0.009	*	0.366	0.023	G	0.43	0.03	H *	8.1341	0.0018	0.018	160	*	8.11	8.17			17324+2848	I 1	2 C S A	AB	357	0.143	0.008	0.84	0.32	S
85838	9.026	0.014	7.182	0.006		1.520	0.015	G	1.52	0.06	F	7.1412	0.0013	0.010	88		7.12	7.16					1							S
85839	6.591	0.006	6.204	0.006		0.360	0.002	G	0.42	0.00	H	6.2396	0.0022	0.013	67		6.22	6.26		U 2			1							S P
85840	7.097	0.004	6.875	0.004		0.206	0.006	T	0.23	0.01	L	6.9088	0.0009	0.009	169		6.89	6.93					1							S
85841	7.705	0.006	7.783	0.009		−0.066	0.010	T	−0.04	0.01	L	7.7888	0.0010	0.012	135		7.77	7.81		C			1							S
85842	8.695	0.009	8.554	0.011		0.124	0.007	G	0.14	0.01	H	8.5869	0.0015	0.017	165		8.56	8.62					1							
85843	9.231	0.016	9.027	0.018		0.195	0.023	T	0.21	0.03	L	9.0551	0.0017	0.014	83		9.03	9.10					1							
85844	9.258	0.025	8.061	0.016		1.025	0.023	T	1.00	0.02	L	8.1186	0.0015	0.015	111		8.09	8.14					1							
85845	9.273	0.013	8.854	0.013		0.396	0.017	T	0.46	0.02	L	8.9334	0.0020	0.022	167		8.89	8.97					1							
85846	8.621	0.009	8.032	0.008	*	0.581	0.015	G	0.65	0.01	H *	8.0843	0.0011	0.015	150	*	8.06	8.11			17326+3445	I 1	2 C S A	AB	162	0.126	0.007	0.48	0.50	S
85847	10.284	0.033	9.928	0.036		0.337	0.046	T	0.39	0.06	L	9.9460	0.0039	0.028	105		9.89	10.01					1							
85848	10.317	0.045	9.602	0.039		0.644	0.045	T	0.71	0.04	L	9.5756	0.0048	0.030	61		9.52	9.61					1 S							G
85849	8.703	0.009	8.591	0.010		0.101	0.012	T	0.11	0.01	L	8.6196	0.0017	0.020	171		8.59	8.67		U 2 C			1							P
85850	11.492	0.071	10.259	0.041		0.956	0.020	G	1.00	0.02	I	10.3885	0.0028	0.032	117		10.33	10.45		C			1							G
85851	9.111	0.024	8.972	0.030		0.291	0.015	G	0.33	0.02	H	8.9451	0.0028	0.014	65		8.92	8.97		C			1							
85852	7.966	0.007	6.745	0.005		1.043	0.007	T	1.01	0.01	L	6.7774	0.0024	0.022	110		6.75	6.81		U 2			1 X							S P
85853	10.877	0.078	10.363	0.079		0.483	0.100	T	0.55	0.10	L	10.3503	0.0056	0.030	53		10.28	10.39		C	17327−4635	I 1	1 S							G
85854	9.899	0.025	8.211	0.012		1.410	0.022	T	1.39	0.03	L	8.1997	0.0017	0.017	123		8.16	8.22					1							
85855	9.699	0.013	9.021	0.011		0.607	0.003	G	0.68	0.00	H	9.0586	0.0016	0.023	243		9.02	9.09		C			1							
85856	10.177	0.023	8.827	0.013		1.144	0.021	T	1.11	0.02	L	8.8593	0.0020	0.018	131		8.83	8.90					1							
85857	8.752	0.011	8.249	0.010		0.473	0.013	T	0.54	0.01	L	8.3017	0.0017	0.017	117		8.27	8.33					1							S
85858	8.640	0.010	7.615	0.007		0.893	0.005	G	0.90	0.00	H	7.6556	0.0011	0.011	126		7.64	7.68		C			1							S
85859	10.224	0.032	8.997	0.019		1.048	0.029	T	1.02	0.02	L	9.0369	0.0024	0.014	94		9.01	9.06					1							
85860	10.795	0.057	9.646	0.034		0.987	0.052	T	0.97	0.04	L	9.6840	0.0024	0.021	83		9.64	9.71					1							G
85861	9.792	0.021	9.396	0.022	*	0.375	0.028	T	0.44	0.03	L *	9.4664	0.0022	0.027	91	*	9.43	9.52		D	17327+0251	H 1	2 C S C	AB	208	0.131	0.028	0.64	1.66	
85862	10.792	0.039	10.144	0.036		0.601	0.046	T	0.67	0.04	L	10.2075	0.0032	0.033	119		10.15	10.26		C			1							G
85863	8.510	0.011	8.090	0.011	*	0.400	0.015	G	0.47	0.02	H *	8.1390	0.0012	0.011	87	*	8.12	8.16		D	17328+6659	H 1	2 C B	AB	219	0.365	0.046	3.35	0.18	S
85864	9.350	0.014	8.307	0.010		0.906	0.013	T	0.91	0.01	L	8.3496	0.0018	0.017	111		8.31	8.38		C			1							
85865	9.434	0.012	8.982	0.012		0.426	0.016	T	0.49	0.02	L	9.0441	0.0015	0.022	221		9.01	9.09					1							
85866	8.533	0.012	8.063	0.012		0.403	0.015	G	0.47	0.02	H	8.1157	0.0011	0.008	87		8.10	8.13		C			1							S
85867	8.315	0.010	7.844	0.009		0.444	0.012	T	0.51	0.01	L	7.8861	0.0014	0.013	104		7.86	7.91					1							S
85868	7.937	0.011	7.808	0.011	A	0.125	0.015	T	0.14	0.01	L	7.8681	0.0274	0.017	104	A	7.84	7.90		D	17328+4754	I 2	1 C P D							S D
85869	9.602	0.017	7.740	0.008		1.548	0.015	T	1.61	0.03	L	7.7101	0.0013	0.013	110		7.69	7.73					1							S
85870	8.910	0.013	8.675	0.014		0.224	0.018	T	0.25	0.02	L	8.7392	0.0023	0.019	91		8.71	8.78					1							S
85871	7.398	0.005	7.264	0.007		0.121	0.008	T	0.14	0.01	L	7.2973	0.0010	0.007	83		7.28	7.31		C			1							S
85872											T	11.2410	0.4919			B				D	17328+4754	I 2	1 C F D							D
85873	10.774	0.034	8.975	0.013		1.528	0.030	T	1.81	0.09	O	8.8919	0.0017	0.020	181		8.86	8.93		U			1							
85874	10.314	0.030	8.280	0.011		1.684	0.025	T	1.71	0.03	L	8.1176	0.0027	0.019	100		8.09	8.15		U			1							
85875	8.130	0.008	6.936	0.007		1.022	0.008	T	1.00	0.01	L	6.9765	0.0007	0.006	100		6.97	6.99					1 G							S
85876	8.839	0.012	8.502	0.012	*	0.320	0.016	T	0.37	0.02	L *	8.5579	0.0016	0.013	88	*	8.54	8.58		D	17330+0913	H 1	2 C B	AB	122	0.291	0.044	3.23	0.32	
85877	8.994	0.017	8.558	0.017		0.470	0.015	G	0.54	0.02	H	8.5743	0.0019	0.013	70		8.55	8.60		C			1							
85878	10.678	0.067	9.445	0.039	*	1.053	0.061	T	1.02	0.05	L *	9.4038	0.0035	0.025	49	*	9.34	9.44		D	17330−4400	H 1	2 C A	AB	349	0.437	0.014	2.26	0.12	
85879	10.245	0.026	9.760	0.026		0.456	0.033	T	0.53	0.04	L	9.8047	0.0028	0.023	116		9.76	9.86					1							
85880	7.381	0.005	7.362	0.007		0.022	0.008	T	0.04	0.01	L	7.3752	0.0011	0.010	116		7.36	7.39		C			1							S
85881	7.589	0.007	7.259	0.006		0.313	0.009	T	0.36	0.01	L	7.2962	0.0013	0.010	82		7.28	7.32		C			1							S
85882	10.466	0.043	9.739	0.037		0.653	0.043	T	0.72	0.04	L	9.7963	0.0034	0.023	75		9.77	9.84		C			1							G
85883	8.600	0.008	8.464	0.010		0.131	0.012	T	0.15	0.01	L	8.5248	0.0010	0.016	139		8.50	8.56		C			1							
85884	10.860	0.061	10.284	0.063		0.753	0.032	G	0.80	0.02	H	10.1952	0.0028	0.023	78		10.16	10.25		C			1							G
85885	7.423	0.007	7.291	0.010		0.127	0.011	T	0.14	0.01	L	7.3191	0.0014	0.011	74		7.30	7.34					1							S
85886	8.218	0.017	8.278	0.022		0.024	0.014	G	0.05	0.02	A	8.2398	0.0033	0.017	40		8.22	8.27					1 G							
85887						1.800	0.495	G	1.78	0.51	J	11.3935	0.0045	0.036	97		11.33	11.46		C			1							G
85888	7.126	0.004	5.847	0.003		1.089	0.004	T	1.05	0.00	L	5.8875	0.0007	0.006	121		5.88	5.90		C			1							S
85889	5.891	0.003	5.852	0.004		0.041	0.005	T	0.06	0.00	L	5.8635	0.0007	0.005	59		5.85	5.87		C			1							S
85890	10.799	0.048	10.210	0.046		0.550	0.059	T	0.62	0.06	L	10.1786	0.0031	0.027	91		10.13	10.24		C			1							G
85891	9.290	0.010	8.092	0.006		1.025	0.009	T	1.00	0.01	L	8.1497	0.0010	0.016	263		8.12	8.18					1							
85892	8.929	0.013	7.162	0.007		1.472	0.012	T	1.49	0.02	L	7.1403	0.0013	0.013	89		7.12	7.16		C			1							S
85893	10.736	0.068	10.132	0.069		0.563	0.085	T	0.64	0.08	L	10.0818	0.0041	0.027	62		10.04	10.14					1							G
85894	8.980	0.012	7.721	0.008		1.073	0.011	T	1.04	0.01	L	7.7663	0.0013	0.012	107		7.75	7.78					1							S
85895	7.217	0.006	7.034	0.007		0.168	0.009	T	0.18	0.01	L	7.0514	0.0035	0.034	105		6.97	7.09		U 2			1							S
85896											T	12.4361	0.0097	0.110	172		12.23	12.60		U			1							G
85897	7.647	0.005	7.549	0.006		0.088	0.007	T	0.10	0.01	L	7.5693	0.0010	0.010	154		7.55	7.59					1							S
85898	9.268	0.016	8.905	0.017		0.354	0.020	T	0.42	0.02	L	8.9197	0.0021	0.017	96		8.89	8.95		C	17332−5033	I 1	1							
85899	10.598	0.051	9.703	0.038		0.781	0.049	T	0.82	0.04	L	9.7496	0.0045	0.028	74		9.71	9.79					1							G
85900											T	12.4310	0.0103	0.088	126		12.26	12.59		U			1 X							G G

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19 20 21 22 23 24 25 26 27 28	29	30
85901	17 33 13.57	+10 36 35.1	8.01	H	263.306 523 08	+10.609 763 77	3.92	−3.54	15.12	0.74	0.69	1.01	0.75	0.72	+20 −21 −19 +29 +41 +13 +47 +40 −16 +20	0	−0.31
85902 H	17 33 14.06	−45 30 40.6	7.07	G	263.308 565 47	−45.511 274 95 A	3.28	5.37	−8.91	1.37	1.17	1.23	1.56	1.20	−28 −16 −17 +49 −34 + 9 −32 +69 −20 −23	0	0.06
85903	17 33 14.99	−43 13 41.0	8.77	H	263.312 472 61	−43.228 053 94	5.05	2.34	−8.68	1.11	0.83	1.18	1.40	0.97	+ 5 −33 −17 +34 − 2 −10 − 4 +54 − 3 + 8	0	0.91
*85904	17 33 17.01	+41 47 05.6	11.27	2 H	263.320 890 17	+41.784 896 51	−0.68	−4.13	0.81	1.02	1.07	1.19	1.23	1.28	− 1 + 3 −19 +19 + 6 + 0 + 6 +19 − 3 + 3	0	−0.74
*85905	17 33 16.99	+00 06 11.8	7.87	2 H	263.320 783 19	+00.103 290 16	1.97	−12.35	−8.97	0.87	0.53	1.06	0.94	0.53	−18 −34 +12 +21 +35 − 4 +34 +22 −20 − 9	0	−0.08
85906	17 33 18.08	+67 12 12.9	7.65	H	263.325 326 22	+67.203 595 23	13.71	−7.40	51.29	0.58	0.58	0.65	0.67	0.73	+15 −26 − 6 −21 −10 +10 − 2 −16 −18 +22	0	0.12
85907	17 33 19.42	−46 45 51.7	7.88	H	263.330 908 07	−46.764 356 10	3.96	−6.91	−8.38	1.03	0.85	1.09	1.24	0.96	−12 −26 −19 +33 −22 + 7 −13 +62 −20 −21	0	1.08
85908	17 33 20.57	−21 18 16.3	9.24	H	263.335 702 95	−21.304 536 99	9.62	4.15	−39.18	1.37	0.89	1.40	1.82	0.86	−22 −30 −21 +29 −50 +12 −31 +74 −22 −36	0	−0.54
85909	17 33 20.66	−27 28 10.7	9.48	G	263.336 100 95	−27.469 637 78	8.62	0.23	−39.82	1.47	0.78	1.60	1.63	0.77	−19 −39 − 5 +19 −29 −14 −23 +35 + 0 −30	0	1.65
85910	17 33 21.09	−60 12 30.9	8.70	H	263.337 861 46	−60.208 592 91	2.82	−19.10	−14.96	0.91	0.76	1.17	1.04	0.79	− 7 −18 −19 −28 −17 +10 −14 −17 + 8 −13	0	−0.07
85911	17 33 21.58	+05 42 02.4	8.65	H	263.339 906 87	+05.700 678 65	14.58	−54.64	22.21	1.09	0.76	1.25	1.21	0.78	+27 −32 −20 +34 +50 −27 +47 +36 −16 +36	0	1.35
85912	17 33 22.84	+19 15 24.8	5.65	H	263.345 175 10	+19.256 899 17	27.26	−29.48	−91.32	0.50	0.51	0.73	0.71	0.58	+ 3 −17 − 9 +14 +23 + 7 +19 +12 + 0 + 8	0	−1.04
85913	17 33 23.08	+29 45 40.2	10.55	H	263.346 148 25	+29.761 178 30	2.54	16.06	−52.96	1.09	1.30	1.70	1.27	1.58	+ 9 −10 −12 + 5 + 2 +16 + 5 − 1 − 9 + 6	3	−0.34
85914	17 33 24.57	−16 32 32.1	9.76	H	263.352 387 62	−16.542 251 51	4.63	2.88	−18.21	1.43	0.80	1.51	1.91	0.77	− 7 −22 + 9 +19 −24 + 4 −14 +53 −11 − 7	0	0.38
85915	17 33 25.81	+20 18 39.1	10.03	H	263.357 527 30	+20.310 864 43	6.72	−39.45	−60.73	0.94	1.14	1.56	1.51	1.60	+16 −14 −31 − 5 − 7 + 1 − 5 − 8 −22 −14	0	−1.79
85916	17 33 26.25	−19 59 40.3	9.77	H	263.359 379 62	−19.994 523 52	4.79	−13.81	7.20	1.57	0.80	1.75	1.82	0.74	+16 −26 − 6 −15 −45 −27 −18 +45 −24 − 8	4	2.22
85917	17 33 26.75	−03 26 09.7	9.07	H	263.361 462 65	−03.436 026 28	5.41	−6.58	−17.31	1.10	0.64	1.15	1.40	0.62	+24 −20 +13 +26 +44 +25 +35 +44 + 4 +27	0	−0.22
85918	17 33 27.00	−18 20 23.1	7.75	H	263.362 504 90	−18.339 745 77	6.05	−7.26	−17.86	0.91	0.54	0.96	1.11	0.52	− 8 −19 − 9 +14 −38 + 0 −23 +57 −19 −23	0	0.20
85919 H	17 33 29.05	−42 23 58.7	7.35	G	263.371 023 40	−42.399 647 38 *	2.08	3.53	−5.61	1.66	1.13	1.05	1.21	0.88	−30 −20 −31 +47 −40 +15 −30 +67 −14 −45	1	0.19
85920	17 33 29.09	−24 04 17.3	8.55	H	263.371 222 17	−24.071 461 71	13.91	94.46	−73.52	1.21	0.69	1.28	1.57	0.65	+ 4 − 2 +18 − 7 −50 −20 −34 +20 −17 − 9	0	2.02
85921	17 33 29.39	+30 29 37.6	10.66	H	263.372 451 46	+30.493 790 45	4.76	−8.61	−25.29	1.14	1.43	1.93	1.25	1.59	− 2 + 3 −16 − 4 + 8 −36 + 1 −16 −16 + 1	3	−0.49
85922	17 33 29.87	−05 44 40.5	5.61	H	263.374 456 68	−05.744 571 68	20.66	−42.20	−95.38	0.70	0.35	0.77	0.85	0.33	+11 −22 + 1 + 3 +43 − 5 +36 +33 −12 +15	0	−0.06
85923 H	17 33 31.60	+57 33 31.4	6.15	H	263.381 672 94	+57.558 708 57 *	4.32	6.64	5.08	0.49	0.50	0.52	0.52	0.61	+ 0 +21 + 8 + 5 +13 + 6 +15 +10 + 3 − 9	0	−0.04
85924	17 33 33.19	+07 10 41.8	7.62	H	263.388 303 18	+07.178 288 41	13.19	6.90	0.35	0.68	0.51	0.85	0.71	0.57	− 5 −28 − 3 +12 +26 + 8 +30 +21 −18 + 1	0	0.29
85925	17 33 34.58	−22 10 17.9	7.75	2 H	263.394 091 74	−22.171 647 36	4.98	−12.76	−10.33	0.86	0.54	0.88	0.98	0.54	−27 −25 −10 +31 −42 + 3 −30 +62 −15 −43	0	1.39
85926	17 33 35.13	+62 42 51.7	8.81	H	263.396 392 86	+62.714 366 22	4.02	14.70	36.92	0.76	0.73	0.83	0.80	0.77	+ 0 −23 − 4 −15 −17 +18 −15 −22 − 9 − 8	0	−3.00
85927	17 33 36.53	−37 06 13.5	1.62	1 G	263.402 193 73	−37.103 748 35	4.64	−8.90	−29.95	0.74	0.52	0.90	0.92	0.58	+12 −42 −29 +20 +11 −41 − 4 +18 +17 −29	3	1.62
*85928	17 33 36.58	−28 55 12.0	10.13	G	263.402 420 75	−28.919 998 17	3.61	0.69	−4.48	1.79	1.15	2.01	1.96	1.17	+ 3 −30 −20 − 2 −35 − 8 −19 +43 −12 −27	0	0.82
*85929	17 33 36.55	−07 29 20.5	9.96	H	263.402 307 20	−07.489 022 03	3.27	−7.21	−6.87	2.02	0.80	2.24	2.12	0.79	+31 −54 −17 +13 +46 −24 +53 +50 −45 +33	0	2.48
85930	17 33 39.39	+16 19 03.7	5.68	H	263.414 133 13	+16.317 705 53	10.20	−5.67	−62.67	0.66	0.59	0.82	0.63	0.66	+18 −21 −23 +34 +41 + 8 +51 +29 −15 +19	0	−0.39
85931 H	17 33 40.66	−35 45 55.0	9.19	H	263.419 413 53	−35.765 266 21 A	3.04	10.29	13.17	1.99	1.37	1.92	2.21	1.39	+ 7 −43 − 9 +28 − 9 −22 − 7 +55 − 5 + 8	3	−0.06
85932	17 33 41.37	+45 18 35.6	8.16	G	263.422 387 69	+45.309 882 04	4.44	2.06	26.81	0.61	0.59	0.68	0.74	0.65	+ 5 −13 −18 + 6 +19 −20 +15 +11 − 2 +10	0	−1.32
85933	17 33 41.85	−02 45 37.1	10.56	H	263.424 359 15	−02.760 305 61	9.16	−15.50	−156.36	2.35	1.08	2.30	2.36	1.02	+32 −58 −22 +31 +51 −19 +51 +42 −30 +19	0	1.00
85934	17 33 42.77	+14 50 30.4	6.36	2 H	263.428 193 51	+14.841 776 98	4.53	22.09	−73.53	0.63	0.59	0.82	0.58	0.64	+18 −24 −19 +26 +43 + 7 +50 +29 −12 +23	0	0.47
85935	17 33 43.15	+31 56 12.3	9.60	H	263.429 808 68	+31.936 738 75	1.93	−4.47	−19.88	0.87	0.97	1.24	0.99	1.12	+16 −29 −21 + 0 + 5 − 5 + 8 − 1 −15 + 2	0	−0.73
*85936	17 33 46.90	−07 55 03.3	9.00	H	263.445 401 30	−07.917 582 00	4.58	−9.08	−20.72	1.23	0.57	1.40	1.36	0.54	− 4 −30 + 3 − 7 +19 − 5 +21 +39 −26 + 2	2	1.78
*85937	17 33 46.76	−50 43 51.7	7.76	H	263.444 854 01	−50.731 036 89	1.24	1.31	−4.40	0.84	0.50	1.01	0.88	0.47	+ 7 −37 +12 +11 −13 −12 − 2 −16 −19 +18	0	1.41
85938	17 33 47.73	+34 32 30.1	7.84	H	263.448 888 70	+34.541 706 36	3.96	−26.76	−6.08	0.53	0.60	0.71	0.58	0.78	+ 3 −11 + 1 + 9 + 8 − 6 + 9 +10 − 4 + 2	0	−1.40
85939	17 33 51.00	−13 30 17.1	8.25	H	263.462 490 90	−13.504 742 86	5.04	−6.36	−6.67	1.04	0.61	1.11	1.63	0.64	−17 −29 +10 + 9 − 7 + 8 − 3 +47 −17 −14	0	1.71
85940	17 33 52.83	+08 06 14.1	7.85	G	263.470 105 71	+08.103 915 92	10.59	−17.29	−57.61	0.74	0.59	0.98	0.79	0.64	+ 4 −28 − 5 + 9 +30 + 9 +30 +24 −12 +14	0	−0.75
85941	17 33 53.34	−01 59 32.2	8.79	H	263.472 264 68	−01.992 271 73	1.20	11.95	15.39	1.29	0.71	1.48	1.67	0.67	+21 −34 −40 +10 +41 −30 +36 +37 −23 − 3	0	1.45
85942	17 33 55.04	+21 33 54.2	7.92	H	263.479 318 49	+21.565 062 15	3.59	1.64	−27.17	0.65	0.74	1.17	0.96	1.00	+ 7 −14 −24 −25 +22 −31 +20 −13 −20 − 7	0	−0.19
85943	17 33 55.73	−68 45 46.7	9.26	H	263.482 217 78	−68.762 972 18	6.41	6.99	8.06	0.73	0.87	1.33	0.87	0.96	+12 −20 + 2 +14 −24 −18 −20 + 8 −10 +14	0	1.59
85944	17 33 56.06	+08 09 58.3	8.50	2 H	263.483 570 06	+08.166 201 24	10.09	−12.87	−59.16	0.90	0.71	1.22	0.99	0.73	+ 4 −17 −22 +10 +36 −10 +35 + 1 −10 +10	0	−1.12
85945	17 33 56.40	+26 40 18.0	8.15	G	263.485 002 54	+26.671 671 95	4.86	−5.04	6.78	0.51	0.72	0.89	0.61	0.80	+ 9 − 8 + 6 − 4 − 2 −13 + 1 −25 − 8 +22	0	0.78
85946 H	17 33 57.01	−11 02 07.3	9.43	H	263.487 541 23	−11.035 354 26 A	1.80	−10.66	1.99	2.92	1.62	2.59	2.82	1.48	+ 7 −28 −31 +17 −23 + 2 − 7 +53 −18 −25	0	0.20
85947	17 33 57.30	+75 13 02.6	8.70	2 H	263.488 729 26	+75.217 375 33	1.26	4.17	−18.15	0.64	0.46	0.69	0.71	0.73	+10 −28 + 2 − 6 +10 − 8 +18 −21 −28 − 5	0	−1.12
85948	17 33 58.53	−61 31 54.6	7.45	1 H	263.493 864 15	−61.531 824 40	3.46	15.71	−18.22	0.58	0.54	0.87	0.68	0.57	+ 2 −22 − 8 − 2 − 9 + 7 − 8 − 3 − 2 −26	0	0.30
85949	17 33 58.63	+28 54 33.5	8.03	H	263.494 284 40	+28.909 296 72	12.80	8.25	32.22	0.57	0.69	0.89	0.71	0.90	− 2 −16 − 8 − 3 + 6 −11 + 6 −11 −10 −15	0	1.16
85950	17 33 58.79	+61 32 28.4	9.12	H	263.494 939 67	+61.541 233 70	3.24	5.09	−25.79	0.82	0.87	0.88	0.92	1.12	− 2 −14 + 6 − 5 +14 −13 +18 − 8 − 5 + 4	0	−1.44
85951	17 33 58.87	+29 05 47.1	8.17	1 G	263.495 299 34	+29.096 413 87	7.11	−51.67	14.72	0.58	0.69	0.91	0.69	0.89	+10 −22 −12 − 2 + 2 − 5 + 1 −12 − 1 − 3	0	0.35
85952	17 33 58.95	−17 50 10.5	7.91	1 G	263.495 636 34	−17.836 256 90	7.81	−29.23	−13.58	0.95	0.57	1.00	1.10	0.57	− 3 −30 − 8 +16 −34 − 2 −19 +49 −15 −24	4	−0.81
85953	17 34 01.57	−69 58 58.4	8.23	H	263.506 526 18	−69.982 891 64	5.44	−7.19	−50.55	0.42	0.63	0.95	0.43	0.69	+12 −13 −12 −25 −15 + 9 −13 − 1 + 6 + 3	1	2.67
85954	17 34 02.39	−23 01 52.6	7.36	H	263.509 954 01	−23.031 279 83	13.38	−17.36	−68.22	1.91	1.03	2.00	2.25	1.00	−12 −29 + 4 +12 −34 − 6 −23 +34 − 3 −27	2	
85955	17 34 02.50	+66 33 30.1	8.19	H	263.510 425 95	+66.558 366 82	3.36	4.73	−1.41	0.60	0.61	0.65	0.47	0.71	+ 2 −34 − 5 −53 − 6 +21 − 6 −20 − 1 − 2	0	0.67
85956	17 34 04.07	+37 00 39.6	10.68	H	263.516 962 30	+37.010 992 36	2.61	3.96	0.73	1.03	1.13	1.33	1.11	1.39	+10 + 1 − 3 + 6 + 6 −13 + 6 + 5 + 2 +14	0	2.22
85957	17 34 04.18	−46 36 01.7	7.66	G	263.517 428 12	−46.600 469 55	0.01	2.28	−3.42	0.91	0.73	0.96	1.03	0.81	−16 −27 −11 +38 −19 + 1 −15 +61 −14 −18	5	1.40
85958	17 34 04.56	+38 57 05.5	9.52	H	263.519 015 17	+38.951 538 14	5.96	13.76	42.44	0.84	0.78	0.97	0.98	0.93	+14 −16 −15 +12 + 9 −19 + 8 + 2 − 8 +17	3	0.00
85959	17 34 04.71	−41 38 49.8	8.07	H	263.519 626 19	−41.647 158 48	0.89	0.41	−2.17	1.16	0.78	1.26	1.19	0.83	−14 −45 −14 +22 −27 + 1 −19 +40 − 8 −30	0	0.31
85960	17 34 05.32	−59 46 29.3	7.60	H	263.522 175 42	−59.774 798 58	27.04	−45.98	−404.27	0.69	0.59	0.87	0.83	0.60	− 4 − 7 −13 −20 −23 + 6 −19 −18 + 6 −10	0	1.72
85961	17 34 07.43	−31 03 58.5	8.59	G	263.530 938 64	−31.066 239 34	1.83	5.13	−8.06	1.16	0.75	1.27	1.31	0.83	−12 −38 −18 +25 −16 − 8 −12 +47 + 1 −39	0	0.92
85962	17 34 08.43	+17 35 10.2	8.94	H	263.535 116 51	+17.586 173 26	7.33	−11.30	−28.04	0.77	0.83	1.31	0.79	0.90	+24 −36 −40 +11 +19 + 7 +24 +13 − 1 − 9	0	−0.33
85963	17 34 08.45	−03 03 19.9	7.40	H	263.535 189 04	−03.055 528 98	13.40	−43.83	−30.28	0.94	0.47	0.99	1.14	0.53	+11 −37 − 0 +20 +18 +22 +40 +32 − 9 +21	0	−0.26
85964	17 34 09.13	+60 05 22.9	7.28	H	263.538 026 77	+60.089 695 63	15.57	51.17	−132.35	0.50	0.54	0.53	0.57	0.69	+19 + 1 +11 + 9 +15 + 0 +16 +12 −10 +26	0	0.73
85965	17 34 09.17	−19 10 29.6	8.67	H	263.538 196 11	−19.174 886 88	3.90	21.39	−8.46	1.13	0.61	1.24	1.31	0.60	− 1 −39 − 8 + 2 −35 −11 −17 +54 −17 −11	0	0.75
85966	17 34 10.43	−66 00 28.8	8.38	G	263.543 456 79	−66.008 000 15	4.69	11.67	0.06	0.63	0.67	1.00	0.72	0.76	+23 −19 −18 + 8 −24 +14 −20 +25 + 3 +11	2	1.24
85967	17 34 10.58	−45 00 22.9	7.00	H	263.544 081 50	−45.006 361 36	1.20	−1.55	−5.77	0.86	0.73	0.93	1.08	0.83	−26 −14 −10 +36 −21 + 3 −24 +62 −10 − 7	0	1.18
85968	17 34 11.69	−48 28 06.9	7.59	2 H	263.548 688 79	−48.468 569 60	3.36	−2.36	−8.82	1.10	0.83	1.13	1.47	0.96	+ 2 −23 +20 +44 +19 + 7 + 9 +61 +20 +20	0	0.83
85969	17 34 11.81	−54 53 42.2	7.09	H	263.549 225 53	−54.895 052 60	24.56	40.44	−297.07	0.60	0.44	0.81	0.69	0.46	−14 −23 + 3 + 8 − 4 +21 − 2 − 8 + 4 + 3	0	1.89
85970	17 34 13.00	−80 32 25.5	8.71	H	263.554 151 95	−80.540 409 26	10.26	−0.06	−44.73	0.65	0.81	0.92	0.68	0.90	+ 0 −14 −23 −17 −14 + 9 −12 − 2 + 1 −15	0	−1.22
85971	17 34 13.01	−52 12 30.7	8.88	H	263.554 207 17	−52.208 521 78	3.64	−0.55	−6.71	1.10	0.63	1.32	1.22	0.59	−13 −45 +11 + 6 +20 + 9 +19 −25 + 4 +19	0	0.51
85972	17 34 14.19	−35 44 01.4	7.61	H	263.559 104 65	−35.733 710 01	2.24	−3.19	−10.19	0.93	0.64	1.03	1.08	0.72	− 3 −29 + 0 +24 + 7 − 8 + 3 +49 + 7 + 0	0	−1.60
*85973	17 34 14.64	+70 33 52.9	10.28	H	263.561 018 78	+70.564 697 98	1.24	0.14	−5.37	1.68	1.69	1.75	1.76	2.10	− 1 −16 + 4 − 8 +13 −12 +18 −13 + 9 + 8	0	
*85974	17 34 14.62	−24 52 33.3	8.04	2 H	263.560 900 35	−24.875 904 56	1.99	2.82	0.67	1.30	0.78	1.31	1.54	0.76	−37 −26 + 2 +35 −49 −11 −39 +56 −18 −33	0	−0.01
85975	17 34 16.89	−48 31 36.8	6.32	H	263.570 378 07	−48.526 883 85	6.93	−33.37	39.62	0.92	0.66	0.93	1.16	0.76	+ 6 −29 +10 +49 +23 + 2 +15 +59 +12 +20	0	2.52
85976 H	17 34 17.59	+15 18 39.0	8.71	H	263.573 284 86	+15.310 828 33 A	5.16	15.13	−30.09	1.46	1.50	1.75	1.35	1.57	+ 4 − 7 −14 +11 +41 − 4 +45 +21 +10 +22	1	−0.12
85977 H	17 34 19.43	+46 56 38.5	8.65	H	263.580 949 98	+46.944 040 77 A	29.46	−74.39	309.43	1.33	1.27	1.25	1.19	1.45	+ 0 − 8 − 3 −24 + 5 −11 + 9 +29 +23 −11	1	1.87
85978	17 34 21.53	+29 45 46.5	7.71	1 H	263.589 705 50	+29.762 908 53	4.14	−14.09	−11.07	0.57	0.65	0.84	0.66	0.83	+ 3 −22 − 7 − 4 + 3 + 2 + 4 − 6 − 1 + 9	0	0.95
85979	17 34 21.99	+13 09 39.7	6.52	H	263.591 640 64	+13.161 026 99	6.40	−0.55	−29.93	0.72	0.63	0.93	0.68	0.67	+ 6 −11 −24 +18 +49 −10 +49 +13 +15 +29	0	0.45
85980	17 34 22.66	−40 31 52.1	7.14	H	263.594 400 53	−40.531 150 51	3.07	−4.33	−16.48	0.96	0.73	0.93	1.22	0.81	−35 −11 −19 +46 −40 + 8 −36 +61 − 5 −51	2	0.31
85981	17 34 22.70	+19 14 30.9	7.46	H	263.594 591 36	+19.241 929 17	9.65	−18.01	10.03	0.62	0.62	0.94	0.87	0.75	+ 9 −30 −25 + 8 +13 − 3 + 8 + 1 + 6 − 2	0	−0.99
85982	17 34 22.92	+06 31 17.1	7.71	H	263.595 496 43	+06.521 419 01	3.54	22.22	−25.59	0.85	0.57	0.96	0.89	0.63	+ 2 −36 − 1 +33 +31 + 0 +34 +25 −15 +10	0	−0.12
85983	17 34 23.11	+27 07 28.5	8.87	H	263.596 308 73	+27.124 579 86	2.88	0.15	−36.40	0.65	0.83	1.08	0.73	0.92	+ 8 −15 + 9 − 3 − 3 −11 + 1 −18 −16 +19	0	1.48
85984	17 34 24.26	−49 11 49.2	8.62	H	263.601 099 36	−49.197 006 54	5.38	−7.82	−7.60	1.42	0.67	1.54	1.54	0.67	+11 −55 + 6 +41 +23 −12 +27 + 6 − 7 +37	0	1.68
85985	17 34 24.51	−32 30 16.0	8.80	2 T	263.602 129 05	−32.504 435 94	0.86	2.99	−0.93	1.21	0.83	1.31	1.54	0.93	− 8 −33 −22 +29 −23 − 2 −16 +61 −10 −18	0	0.56
85986	17 34 26.45	−54 11 55.1	10.90	G	263.610 221 63	−54.198 639 96	4.24	14.75	−3.14	1.52	1.10	1.96	1.92	1.16	− 6 −10 + 2 + 2 +11 + 9 +11 −12 + 5 +12	0	−0.92
85987	17 34 27.24	+16 30 15.8	6.59	H	263.613 491 08	+16.504 377 70	5.53	−4.51	−1.07	0.69	0.67	0.94	0.67	0.72	+12 −10 −43 +37 +33 + 6 +45 +15 − 3 + 9	0	−0.23
85988	17 34 28.54	+68 07 10.0	7.98	H	263.618 896 49	+68.119 453 23	3.45	−0.73	−18.50	0.70	0.65	0.67	0.80	0.82	+14 + 2 − 3 −42 −11 −18 −13 −11 − 4 +18	0	0.09
85989	17 34 29.34	−01 45 36.6	8.00	G	263.622 252 25	−01.760 169 41	13.79	123.23	−166.77	1.20	0.57	1.13	1.32	0.60	+10 −37 −33 −21 +24 − 3 +48 +26 −26 −12	0	2.75
85990	17 34 29.54	−01 09 08.1	9.58	G	263.623 067 53	−01.152 259 67	2.82	8.69	−6.38	1.30	0.74	1.57	1.68	0.70	− 2 − 7 −24 −17 +38 −30 +29 +25 −11 − 4	0	−0.11
85991	17 34 29.72	−53 25 38.9	8.28	1 H	263.623 837 16	−53.427 472 28	1.57	0.57	−0.72	0.82	0.59	1.14	1.07	0.62	−34 + 0 − 4 −29 + 6 + 3 + 7 −29 +22 − 3	2	−1.31
85992	17 34 30.46	+43 30 03.1	8.18	2 H	263.626 898 80	+43.500 868 14	−0.37	−16.06	8.98	0.56	0.62	0.69	0.64	0.78	+ 3 −13 −24 − 1 −10 + 5 − 7 +15 −16 − 8	0	−0.03
85993	17 34 31.21	−55 10 47.7	7.84	H	263.630 032 24	−55.179 904 85	3.98	−22.80	−41.52	0.68	0.51	0.96	0.77	0.52	−12 −24 − 6 − 1 − 4 +24 − 1 −14 + 5 + 1	0	0.48
85994	17 34 31.75	−72 52 55.9	11.36	2 H	263.632 283 86	−72.882 185 03	1.49	−10.62	−12.68	1.65	2.40	3.28	1.90	2.67	−13 + 6 − 9 +21 − 8 −15 − 8 +14 − 9 + 6	3	1.26
85995 H	17 34 32.83	+39 35 23.8	9.32	H	263.636 796 20	+39.589 947 83 *	2.83	−1.17	−17.10	2.21	1.61	1.32	1.20	1.18	−14 − 2 −15 − 1 + 6 −21 + 3 + 0 + 7 +11	3	−0.22
85996	17 34 32.86	+28 12 30.8	7.80	H	263.636 902 66	+28.208 550 64	5.68	−2.11	2.47	0.54	0.64	0.84	0.68	0.78	+14 − 9 − 7 −10 − 3 −22 − 4 −18 − 9 +15	0	−0.16
85997	17 34 33.39	−18 13 14.9	7.11	2 H	263.639 138 43	−18.220 812 87	4.20	−7.96	−8.84	0.85	0.49	0.88	1.18	0.51	− 7 −25 + 0 +19 −31 − 2 −20 +44 −11 − 9	2	0.60
85998	17 34 36.69	+09 35 12.2	5.80	H	263.652 878 32	+09.586 723 78	9.54	6.63	−9.77	0.60	0.48	0.76	0.67	0.54	− 4 −19 −18 +15 +23 +15 +27 + 5 + 1	2	−1.34
85999	17 34 36.72	−32 10 44.3	9.15	G	263.652 983 79	−32.178 959 13	12.38	−139.44	−88.01	1.23	0.83	1.40	1.49	0.89	− 4 −23 −25 +14 −27 − 4 −18 +52 −13 −22	0	0.15
86000	17 34 37.74	+27 59 22.2	8.54	2 H	263.657 260 26	+27.989 510 28	2.65	0.35	6.46	0.66	0.90	1.07	0.91	1.12	+14 −13 + 1 − 8 − 3 −10 − 1 −20 −10 +20	0	0.05

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
85901	9.276	0.016	8.101	0.010		1.008	0.015	T	0.98	0.01	L	8.1752	0.0012	0.012	91		8.16	8.20		C			1							S
85902	7.108	0.007	7.117	0.006	A	0.033	0.015	G	0.01	0.01	L *	7.0782	0.0012	0.008	64	*	7.07	7.09		D	17332−4531	I 1	2 C A	AB	79	1.159	0.011	2.14	0.03	S
85903	9.109	0.017	8.821	0.020		0.274	0.025	T	0.31	0.03	L	8.8421	0.0020	0.016	73		8.82	8.87		C			1							
85904	11.809	0.109	10.416	0.049		1.194	0.098	T	5.36	0.80	K	9.9666	0.0073	0.061	109		9.86	10.07		U 2			1							G
85905	10.094	0.022	8.150	0.009		1.648	0.020	T	2.87	0.03	O	7.8133	0.0042	0.040	125		7.74	7.86		U 2			1 S							
85906	8.155	0.010	7.699	0.011		0.456	0.015	G	0.53	0.02	H	7.7496	0.0014	0.011	88		7.73	7.77		C			1 G							S
85907	9.336	0.028	8.005	0.017		1.129	0.026	T	1.09	0.03	L	8.0522	0.0026	0.013	60		8.03	8.07		C			1							
85908	9.838	0.024	9.311	0.024		0.503	0.025	T	0.58	0.03	L	9.3484	0.0022	0.016	105		9.32	9.37					1							
85909	10.179	0.032	9.507	0.029		0.590	0.015	G	0.66	0.01	H	9.5926	0.0024	0.021	78		9.56	9.63		C			1							G
85910	10.116	0.027	8.842	0.016		1.085	0.025	T	1.05	0.02	L	8.8676	0.0018	0.018	112		8.84	8.91					1							
85911	9.314	0.014	8.713	0.013		0.573	0.015	G	0.65	0.01	H	8.7745	0.0016	0.016	100		8.75	8.80		C			1							
85912	6.236	0.004	5.707	0.003		0.505	0.004	T	0.58	0.00	L	5.7583	0.0008	0.007	98		5.75	5.77					1							S
85913	11.214	0.055	10.506	0.044		0.652	0.057	T	0.72	0.05	L	10.6801	0.0040	0.041	140		10.61	10.75		C			1							G
85914	10.276	0.038	9.843	0.041		0.423	0.045	T	0.49	0.05	L	9.8581	0.0026	0.019	91		9.82	9.89		C			1							G
85915	10.763	0.047	10.180	0.045		0.545	0.058	T	0.62	0.05	L	10.1458	0.0031	0.023	91		10.11	10.18		C			1							G
85916	10.638	0.042	9.903	0.038		0.659	0.043	T	0.72	0.04	L	9.8991	0.0022	0.018	105		9.87	9.93					1							G
85917	9.369	0.018	9.070	0.020		0.284	0.025	T	0.32	0.03	L	9.1458	0.0019	0.016	94		9.12	9.18		C			1							
85918	8.319	0.010	7.807	0.010		0.511	0.015	G	0.58	0.02	H	7.8595	0.0014	0.012	100		7.84	7.88					1							S
85919	7.286	0.009	7.356	0.012	*	−0.015	0.015	G	0.01	0.01	H *	7.3417	0.0013	0.011	65	*	7.33	7.37		D	17335−4224	I 1	2 C A	AB	331	0.255	0.005	1.19	0.06	S
85920	9.315	0.021	8.619	0.019		0.630	0.021	T	0.70	0.02	L	8.6834	0.0020	0.014	79		8.66	8.71		C			1							
85921	11.400	0.060	10.601	0.048		0.724	0.059	T	0.78	0.04	L	10.8041	0.0042	0.043	136		10.73	10.88					1							G
85922	5.840	0.003	5.637	0.003		0.187	0.004	T	0.21	0.01	L	5.6724	0.0006	0.006	158		5.66	5.68					1							S
85923	6.891	0.005	6.232	0.005	*	0.602	0.005	T	0.67	0.00	L *	6.2825	0.0008	0.006	95	*	6.27	6.29		D	17335+5734	M 1	2 C S A	BA	150	0.123	0.005	0.36	0.31	S
85924	8.054	0.008	7.661	0.008		0.372	0.010	T	0.43	0.01	L	7.7120	0.0012	0.011	114		7.69	7.73					1							S
85925	9.945	0.028	7.960	0.011		1.727	0.020	G	1.71	0.02	J	7.8565	0.0043	0.037	104		7.81	7.92		U 2			1 S							
85926	10.064	0.026	8.901	0.017		0.998	0.024	T	0.98	0.02	L	8.9742	0.0014	0.014	96		8.95	9.01					1							
85927	1.446	0.010	1.607	0.008		−0.231	0.008	G	−0.24	0.02	A	1.5244	0.0029	0.016	44		1.50	1.56	0.21	P 1 A	17336−3706	I 1	1							S P
85928	11.518	0.101	10.309	0.058		1.160	0.015	G	1.12	0.01	H	10.2767	0.0032	0.028	75		10.24	10.34		C			1							G
85929	10.666	0.037	10.006	0.033		0.612	0.042	T	0.68	0.04	L	10.0884	0.0023	0.026	120		10.03	10.14					1							G
85930	6.964	0.005	5.796	0.004		1.002	0.005	T	0.98	0.00	L	5.8437	0.0009	0.006	82		5.83	5.85					1							S
85931	9.996	0.034	9.286	0.029	A	0.800	0.495	G	0.74	0.04	L *	9.3245	0.0026	0.017	68	*	9.29	9.36		C	17337−3546	I 1	2 C D	AB	67	5.939	0.124	4.05	0.36	D
85932	8.588	0.008	8.168	0.008		0.388	0.015	G	0.45	0.02	H	8.2401	0.0016	0.015	133		8.22	8.27		C			1							S
85933	11.616	0.102	10.530	0.058		1.327	0.020	G	0.67	0.10	S	10.6905	0.0039	0.033	94		10.63	10.76		R			1							G
85934	8.375	0.012	6.631	0.007		1.595	0.011	G	2.57	0.05	F	6.3636	0.0049	0.049	82		6.31	6.46		U 2			1 S							S P
85935	10.698	0.036	9.674	0.023		0.892	0.032	T	0.90	0.02	L	9.7610	0.0022	0.026	143		9.70	9.81					1							
85936	9.326	0.015	9.020	0.016		0.291	0.021	T	0.33	0.03	L	9.0744	0.0018	0.018	112		9.04	9.11		C			1							
85937	7.677	0.007	7.750	0.009		−0.062	0.010	T	−0.04	0.01	L	7.7422	0.0012	0.010	98		7.73	7.76		C			1							S
85938	9.504	0.015	7.975	0.008		1.285	0.013	T	1.24	0.01	L	7.9945	0.0015	0.014	145		7.98	8.02					1							S
85939	10.041	0.032	8.431	0.015		1.348	0.028	T	1.31	0.03	L	8.4006	0.0013	0.011	75		8.38	8.42		C			1							
85940	8.530	0.010	7.910	0.009		0.596	0.015	G	0.67	0.01	H	7.9767	0.0018	0.014	99		7.95	8.00					1							S
85941	10.359	0.036	8.960	0.020		1.183	0.032	T	1.14	0.03	L	8.9537	0.0021	0.015	85		8.93	8.98		C			1							
85942	10.085	0.027	8.131	0.011		1.621	0.023	T	1.64	0.02	L	8.0355	0.0020	0.016	121		8.01	8.06					1							
85943	9.761	0.015	9.287	0.015		0.459	0.016	T	0.53	0.02	L	9.3621	0.0020	0.025	168		9.31	9.40					1							
85944	9.265	0.015	8.618	0.014		0.656	0.015	G	0.72	0.01	H	8.6359	0.0077	0.055	89		8.58	8.72	0.43	P 1 A			1							
85945	9.542	0.014	8.269	0.009		1.100	0.015	G	1.06	0.02	H	8.3192	0.0013	0.015	177		8.29	8.35					1							
85946	11.193	0.076	9.639	0.033	*	1.304	0.065	T	1.26	0.07	L *	9.5826	0.0024	0.018	93	*	9.56	9.62		C	17340−1102	H 1	2 C C	AB	81	0.628	0.068	3.35	0.31	
85947	10.880	0.060	8.880	0.019		1.657	0.050	T	1.68	0.05	L	8.8147	0.0039	0.032	102		8.77	8.86		U 2			1							
85948	9.570	0.017	7.650	0.007		1.628	0.015	T	1.97	0.04	O	7.5390	0.0020	0.018	145		7.51	7.57		U			1							S
85949	8.577	0.009	8.083	0.009		0.465	0.012	T	0.54	0.01	L	8.1353	0.0015	0.015	144		8.11	8.16					1							S
85950	10.529	0.038	9.238	0.021		1.098	0.034	T	1.06	0.04	L	9.2882	0.0028	0.024	95		9.25	9.33		R			1							
85951	8.579	0.009	8.199	0.009		0.360	0.012	T	0.42	0.01	L	8.2545	0.0019	0.021	149		8.23	8.29		U			1							S
85952	8.367	0.012	7.969	0.011		0.418	0.015	G	0.48	0.02	H	7.9994	0.0026	0.019	91		7.97	8.02		U			1							S
85953	8.976	0.008	8.287	0.007		0.636	0.009	T	0.70	0.01	L	8.3584	0.0010	0.015	282		8.33	8.39					1							S
85954	7.799	0.008	7.423	0.009		0.356	0.011	T	0.42	0.01	L	7.4474	0.0010	0.011	101		7.43	7.47					1 X							S
85955	9.591	0.019	8.293	0.012		1.104	0.018	T	1.07	0.02	L	8.3531	0.0010	0.011	94		8.33	8.37					1							
85956	11.207	0.054	10.649	0.052		0.522	0.067	T	0.59	0.07	L	10.7964	0.0039	0.037	121		10.74	10.86		C			1							G
85957	7.479	0.007	7.631	0.014		−0.130	0.006	G	−0.12	0.01	H	7.6126	0.0019	0.011	61		7.60	7.63					1							S
85958	10.155	0.029	9.552	0.026		0.562	0.034	T	0.64	0.03	L	9.6456	0.0017	0.018	103		9.60	9.68					1							
85959	10.084	0.036	8.218	0.015		1.551	0.031	T	1.57	0.03	L	8.1874	0.0014	0.013	63		8.16	8.21		C			1							
85960	8.340	0.009	7.677	0.008		0.600	0.009	G	0.67	0.01	H	7.7284	0.0013	0.013	120		7.71	7.75		C			1							S
85961	9.996	0.033	8.713	0.020		1.120	0.015	G	1.08	0.02	H	8.7538	0.0019	0.012	68		8.73	8.78					1							
85962	9.369	0.013	8.954	0.013		0.392	0.017	T	0.46	0.02	L	9.0294	0.0017	0.017	134		8.99	9.06		C			1							
85963	7.928	0.008	7.453	0.008		0.447	0.010	T	0.52	0.01	L	7.4972	0.0010	0.009	103		7.49	7.51					1 G							S
85964	7.896	0.008	7.344	0.007		0.517	0.010	T	0.59	0.01	L	7.3972	0.0008	0.009	107		7.38	7.41					1							S
85965	9.258	0.016	8.731	0.016		0.503	0.017	T	0.58	0.02	L	8.7784	0.0013	0.011	101		8.76	8.80			17342−1910	I 1	1 S							
85966	8.836	0.008	8.387	0.008		0.425	0.006	G	0.49	0.01	H	8.4668	0.0015	0.019	200		8.44	8.50					1							
85967	6.974	0.005	6.999	0.007		−0.018	0.008	T	0.00	0.01	L	7.0077	0.0009	0.007	59		7.00	7.02		C			1							S
85968	9.771	0.026	7.844	0.011		1.634	0.023	T	2.71	0.04	O	7.5621	0.0054	0.036	60		7.50	7.64		U 2			1 S							
85969	7.913	0.006	7.166	0.006		0.667	0.005	G	0.73	0.00	H	7.2252	0.0010	0.009	136		7.21	7.24		C			1							S
85970	9.504	0.014	8.761	0.012		0.680	0.015	T	0.74	0.01	L	8.8491	0.0020	0.020	149		8.82	8.90					1							
85971	8.920	0.013	8.908	0.016		0.016	0.019	T	0.04	0.02	L	8.8958	0.0016	0.015	108		8.87	8.92		C			1 S							
85972	7.777	0.008	7.635	0.011		0.137	0.013	T	0.15	0.01	L	7.6564	0.0014	0.011	65		7.63	7.67			17342−3544	I 1	1							S
85973	10.562	0.042	10.251	0.047		0.295	0.059	T	0.34	0.08	L	10.3473	0.0041	0.032	90		10.31	10.39					1 X							G
85974	11.441	0.107	8.596	0.017		2.267	0.079	T	2.31	0.08	L	8.0710	0.0045	0.030	73		8.01	8.11		U 2			1 S							
85975	7.535	0.008	6.430	0.005		0.953	0.007	T	0.94	0.01	L	6.4830	0.0011	0.006	63		6.47	6.49		C			1							S
85976	9.230	0.019	8.746	0.020	*	0.456	0.026	T	0.53	0.03	L *	8.8141	0.0019	0.018	84	*	8.79	8.86		D	17343+1519	I 1	2 C A	AB	244	9.070	0.013	2.33	0.07	S
85977	9.976	0.022	8.776	0.014	A	1.200	0.495	G	1.08	0.04	I *	8.7887	0.0020	0.019	106	*	8.75	8.83		D	17343+4657	I 1	2 C B	AB	99	1.388	0.034	2.98	0.14	
85978	9.727	0.017	7.905	0.008		1.547	0.015	T	2.04	0.05	O	7.7837	0.0019	0.018	133		7.76	7.81		U			1							S
85979	7.741	0.008	6.640	0.006		0.950	0.008	T	0.94	0.01	L	6.6808	0.0013	0.010	76		6.66	6.69			17343+1310	I 1	1							S
85980	7.159	0.009	7.148	0.007		0.015	0.011	T	0.03	0.01	L	7.1551	0.0013	0.009	63		7.14	7.17		C			1							S
85981	7.776	0.007	7.502	0.008		0.261	0.010	T	0.29	0.01	L	7.5347	0.0010	0.011	101		7.52	7.56					1							S
85982	9.111	0.014	7.831	0.009		1.089	0.013	T	1.05	0.01	L	7.8824	0.0010	0.011	101		7.86	7.91		C			1							
85983	10.176	0.023	8.978	0.014		1.025	0.021	T	1.00	0.02	L	9.0321	0.0022	0.019	162		9.00	9.06		C			1							
85984	9.811	0.027	8.721	0.019		0.942	0.025	T	0.93	0.02	L	8.7789	0.0018	0.015	80		8.76	8.80		C			1							
85985	8.921	0.018	8.814	0.023		0.097	0.027	T	0.11	0.03	L	8.7884	0.0325	0.174	69		8.65	9.05	0.76	P 1 A			1							G
85986	12.047	0.165	10.947	0.100		1.050	0.020	G	1.02	0.02	I	11.0608	0.0044	0.034	112		11.00	11.13					1							G
85987	6.866	0.005	6.626	0.006		0.224	0.008	T	0.25	0.01	L	6.6555	0.0009	0.008	82		6.64	6.67					1							S
85988	9.334	0.016	8.099	0.010		1.054	0.015	T	1.02	0.01	L	8.1451	0.0019	0.013	91		8.12	8.16		C			1							
85989	8.553	0.013	8.055	0.012		0.482	0.014	G	0.55	0.01	H	8.0988	0.0013	0.010	92		8.08	8.12		C			1 G							S
85990	10.202	0.030	9.656	0.030		0.517	0.018	G	0.59	0.02	H	9.6935	0.0021	0.020	84		9.66	9.73		C			1							
85991	9.816	0.019	8.424	0.011		1.177	0.017	T	1.14	0.01	L	8.4504	0.0013	0.015	151		8.41	8.47		U			1							
85992	10.205	0.023	8.390	0.010		1.542	0.021	T	2.21	0.06	O	8.2396	0.0067	0.064	140		8.14	8.37		U 2			1							
85993	9.183	0.013	7.986	0.008		1.025	0.012	T	1.00	0.01	L	8.0114	0.0015	0.015	147		7.98	8.03					1							
85994	12.402	0.203	11.448	0.143		0.840	0.184	T	0.86	0.14	L	11.5146	0.0064	0.084	178		11.31	11.71		U			1 S							G
85995	9.787	0.017	9.376	0.018	*	0.389	0.023	T	0.45	0.03	L *	9.4137	0.0040	0.028	114	*	9.38	9.47		R	17345+3935	M 1	2 C A	BA	255	0.260	0.006	0.24	0.08	
85996	7.820	0.007	7.815	0.009		0.009	0.010	T	0.03	0.01	L	7.8128	0.0015	0.015	135		7.79	7.84		C			1							S
85997	7.593	0.011	7.151	0.010		0.405	0.015	G	0.47	0.02	H	7.2018	0.0075	0.045	94		7.17	7.29	1.51	P 1 A			1							S P
85998	5.845	0.004	5.797	0.004		0.040	0.000	G	0.06	0.00	H	5.8232	0.0005	0.005	88		5.81	5.83		C	17346+0935	I 1	1							S
85999	9.824	0.030	9.312	0.030		0.520	0.000	G	0.59	0.00	H	9.2606	0.0023	0.017	70		9.23	9.29		C			1							
86000	10.763	0.041	8.829	0.014		1.635	0.218	G	1.70	0.26	K	8.6421	0.0047	0.050	130		8.57	8.71		U 2			1 S							

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors $\alpha*$ mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19 20 21 22 23 24 25 26 27 28	29	30
86001	17 34 38.21	−33 39 49.2	8.96	H	263.659 194 74	−33.663 662 53	9.52	−43.12	−49.50	1.28	0.84	1.34	1.58	0.92	−15 −22 − 6 +35 −11 + 3 − 9 +57 − 6 −17	0	−0.71
86002	17 34 38.32	−47 19 37.6	9.28	H	263.659 660 78	−47.327 098 39	3.02	−17.10	−35.30	1.34	1.05	1.36	1.55	1.10	−26 −23 −21 +38 −45 +16 −33 +65 −21 −40	0	0.32
86003	17 34 38.52	+04 05 57.0	7.63	H	263.660 517 40	+04.099 177 03	5.85	−0.63	0.81	0.76	0.52	0.96	0.81	0.54	−21 −28 + 2 − 3 +20 −25 +20 + 9 − 9 −12	0	0.00
86004	17 34 39.57	−60 28 00.7	8.98	H	263.664 895 41	−60.466 865 14	1.47	−0.05	−1.53	0.87	0.78	1.24	0.95	0.79	− 4 −22 −25 −14 −17 +18 −12 − 6 + 2 −20	0	0.28
86005	17 34 39.98	−29 15 21.0	8.74	H	263.666 575 82	−29.255 823 85	0.14	12.98	0.90	1.26	0.82	1.42	1.34	0.83	− 4 −37 −20 + 4 −33 − 5 −19 +50 −12 −29	0	0.25
86006	17 34 40.06	−45 07 53.8	8.75	G	263.666 916 39	−45.131 618 07	1.76	5.83	4.22	1.43	1.28	1.42	1.80	1.42	−37 − 5 −12 +48 −26 + 4 −31 +74 −13 −22	0	0.92
86007	17 34 40.34	+26 23 17.8	8.94	2 H	263.668 076 10	+26.388 267 95	1.65	2.47	3.08	0.67	0.95	1.18	0.87	1.08	+20 − 3 − 5 + 8 + 3 −12 + 7 −18 +11 +39	2	−1.22
*86008	17 34 41.38	+43 23 50.5	7.26	H	263.672 412 73	+43.397 361 90	5.08	39.59	−48.19	0.49	0.54	0.59	0.50	0.67	+ 3 −17 −25 −15 −15 +15 − 9 +23 −11 −11	1	0.40
*86009	17 34 41.38	+40 54 33.2	7.18	H	263.672 411 04	+40.909 211 98	6.97	4.67	23.08	0.47	0.53	0.59	0.49	0.67	− 3 + 2 −17 +10 − 4 + 4 − 3 +17 −16 −16	0	0.37
86010	17 34 41.86	−40 45 54.0	9.15	H	263.674 408 21	−40.764 996 28	10.45	−22.35	−38.76	1.38	0.99	1.50	1.73	1.08	− 6 −17 −12 +23 −20 − 4 −16 +45 − 1 −17	0	−0.61
86011 H	17 34 42.49	−32 34 54.0	5.69	1 G	263.677 044 98	−32.581 657 72 A	0.96	3.68	−1.68	1.63	1.12	1.59	1.95	1.21	− 4 −30 −10 +22 − 8 − 9 − 8 +43 − 1 − 5	0	1.27
86012	17 34 42.93	−81 04 06.1	7.70	H	263.678 872 96	−81.068 355 26	7.85	12.24	4.82	0.52	0.59	0.71	0.53	0.72	−12 −28 + 8 − 6 − 4 + 6 − 7 − 5 + 5 −19	0	−0.95
86013	17 34 43.34	+06 00 48.3	8.37	H	263.680 588 15	+06.013 415 30	20.90	−478.64	373.73	1.03	0.67	1.18	1.06	0.74	+13 −45 −21 +29 +42 −22 +44 +21 −22 +20	0	0.84
86014	17 34 43.65	−36 18 11.7	8.90	H	263.681 856 82	−36.303 256 32	2.29	3.23	−2.47	1.39	0.83	1.55	1.58	0.94	+13 −56 −17 +27 +17 −17 +12 +42 − 4 + 8	0	−0.11
86015	17 34 44.20	+32 25 01.9	7.73	H	263.684 154 51	+32.417 186 30	4.31	5.59	5.38	0.50	0.56	0.70	0.52	0.67	+ 5 −17 − 4 +10 +10 −18 +11 − 3 + 0 +10	0	0.65
86016	17 34 45.43	+34 45 05.0	6.94	H	263.689 310 87	+34.751 390 03	5.40	−4.01	22.46	0.46	0.49	0.59	0.52	0.57	+ 7 −11 + 2 + 7 +11 −14 +12 − 3 + 4 +17	0	−0.17
86017	17 34 45.97	−00 00 06.8	8.36	H	263.691 559 02	−00.001 875 83	5.61	−2.39	−6.52	1.00	0.63	1.15	1.21	0.64	− 3 −32 + 8 +24 +34 + 2 +31 +43 −22 − 4	0	0.99
*86019	17 34 46.35	−11 14 31.2	5.54	H	263.693 121 62	−11.242 006 93	8.65	3.02	3.24	0.77	0.50	0.78	1.03	0.55	−32 −10 −10 +24 −21 +13 −17 +40 −14 −43	0	0.34
*86020	17 34 46.28	−26 44 22.9	8.41	H	263.692 844 94	−26.739 689 24	1.58	4.67	−0.42	1.23	0.89	1.27	1.59	0.88	−27 −11 −29 +33 −57 +13 −41 +72 −30 −45	0	−0.49
86021	17 34 46.40	−45 07 11.5	8.76	G	263.693 316 70	−45.119 865 45	4.17	−20.52	3.12	1.39	1.23	1.41	1.80	1.37	−37 − 2 −12 +44 −24 + 7 −30 +70 −10 −19	0	1.18
86022	17 34 46.89	+19 08 14.4	7.88	H	263.695 392 88	+19.137 329 46	12.90	−16.16	−12.65	0.70	0.74	1.13	0.88	0.84	+18 −36 −33 +19 +20 −10 +11 − 5 + 8 − 1	0	−0.96
86023	17 34 46.97	−16 37 25.8	8.74	H	263.695 725 49	−16.623 833 04	3.12	4.95	−12.55	1.14	0.68	1.15	1.38	0.70	−24 −36 + 0 +22 −26 + 2 −18 +45 − 9 −30	0	−0.08
86024 H	17 34 48.52	+06 01 26.5	7.40	G	263.702 178 19	+06.024 024 75 *	13.47	11.72	−68.81	2.03	1.58	1.33	1.19	0.83	+42 −37 −12 +38 +34 −18 +40 +21 −23 +39	0	0.86
86025	17 34 48.71	−34 54 32.3	8.05	H	263.702 978 62	−34.908 977 89	1.11	−5.41	−8.94	1.17	0.86	1.21	1.52	0.92	−27 −15 −31 +51 −38 +24 −29 +71 −18 −34	0	−2.45
86026	17 34 51.07	−47 52 45.0	8.03	1 H	263.712 795 37	−47.879 177 52	1.38	−0.53	−7.03	1.08	0.82	1.05	1.28	0.88	−18 −17 −13 +48 −33 +22 −24 +69 −12 −35	0	1.69
86027	17 34 51.91	+10 15 36.1	8.16	H	263.716 295 19	+10.260 039 11	4.37	−4.37	−2.12	0.74	0.63	0.90	0.79	0.73	+ 1 − 4 −13 +28 +31 +16 +37 +20 + 0 + 4	0	0.57
86028	17 34 52.71	−01 36 18.7	7.95	G	263.719 641 54	−01.605 181 69	3.04	−2.35	−2.61	0.93	0.54	1.15	1.36	0.50	− 7 − 1 −36 −27 +43 −37 +33 +26 −12 −15	0	1.44
86029	17 34 53.16	+17 48 31.6	7.72	H	263.721 489 65	+17.808 776 98	5.16	−3.12	−1.82	0.58	0.63	0.92	0.65	0.76	+31 −31 −23 +13 +26 +10 +29 +25 + 6 + 7	0	−1.55
86030 H	17 34 54.26	−29 08 50.0	9.19	G	263.726 071 19	−29.147 216 16 A	8.41	−13.91	1.45	3.07	1.63	2.35	2.30	1.41	−20 −23 −18 +17 −34 − 7 −17 +60 −17 −23	1	0.76
86031	17 34 54.52	−42 55 01.5	8.05	G	263.727 181 25	−42.917 077 89	4.53	4.60	−7.99	0.96	0.77	0.98	1.17	0.88	−22 −24 −13 +38 −32 + 7 −29 +61 − 3 −21	0	0.16
86032	17 34 56.00	+12 33 38.1	2.08	G	263.733 353 21	+12.560 575 84	69.84	110.08	−222.61	0.76	0.70	0.88	1.02	0.89	−29 + 3 −26 −16 +59 − 9 +50 −37 +14 −45	0	1.17
86033	17 34 56.40	−59 47 53.1	9.45	H	263.734 996 55	−59.798 075 12	4.13	14.22	−17.44	1.01	0.86	1.35	1.19	0.93	− 2 −12 −13 −18 −19 +18 −19 − 2 +13 + 7	0	2.25
86034 H	17 34 56.78	+48 02 42.5	8.80	H	263.736 574 80	+48.045 127 23 *	3.36	7.63	−12.80	0.76	0.66	0.79	0.93	0.80	+11 −12 + 0 +14 + 5 −10 + 5 − 3 +14 +19	0	−0.63
86035	17 34 57.22	−32 40 20.9	10.02	G	263.738 405 42	−32.672 474 76	−1.41	3.69	−0.86	1.77	1.28	1.89	2.25	1.38	−11 −25 −25 +37 −24 + 1 −17 +66 −15 −20	0	−0.45
86036 H	17 34 59.25	+61 52 33.0	5.23	G	263.746 878 28	+61.875 831 50 A	70.98	277.38	−525.62	0.58	0.57	0.55	0.54	0.60	+ 7 −17 + 3 − 8 + 8 − 7 + 9 − 5 − 2 +11	1	−0.71
86037	17 34 59.66	+35 39 01.1	9.77	H	263.748 579 08	+35.650 318 59	−0.93	−19.59	−18.27	0.95	1.09	1.23	1.08	1.32	+26 + 4 −13 +18 +21 −12 +22 − 3 +18 +29	0	1.83
86038	17 34 59.67	−25 26 39.4	10.24	G	263.748 636 90	−25.444 276 94	8.94	−133.73	−170.18	2.14	1.20	2.22	2.82	1.14	−33 −29 + 1 +38 −55 −13 −37 +63 −22 −29	0	−0.35
86039	17 35 01.85	+18 13 22.5	8.27	H	263.757 714 09	+18.222 915 25	3.66	−24.57	9.34	0.63	0.75	1.12	0.73	0.87	− 1 −20 −11 + 9 +27 + 8 +24 + 2 +16 + 5	0	1.58
86040	17 35 01.95	+40 41 42.2	9.07	H	263.758 131 40	+40.695 066 64	3.47	−5.95	−2.14	0.72	0.78	0.89	0.79	1.01	+10 −12 −15 +16 + 0 − 3 + 0 + 7 −18 − 5	0	0.22
86041	17 35 02.13	+13 08 15.9	7.27	H	263.758 857 14	+13.137 753 95	8.38	2.87	2.98	0.73	0.63	0.91	0.70	0.69	+11 − 1 −15 +27 +49 + 0 +53 +13 +23 +33	0	0.82
86042	17 35 02.16	−71 46 01.0	9.01	H	263.759 006 87	−71.766 956 68	0.73	6.33	−5.92	0.63	0.88	1.26	0.72	1.04	+10 − 9 + 2 + 0 − 9 −11 − 9 + 1 + 3 − 2	0	0.29
86043 H	17 35 03.14	−62 06 39.2	7.02	G	263.763 066 55	−62.110 875 67 A	4.96	−5.31	−30.69	1.04	0.81	1.11	1.07	0.77	+13 −12 − 9 −33 −27 + 9 −27 −28 +19 +30	3	0.03
86044	17 35 03.68	−77 49 48.5	8.77	H	263.765 339 85	−77.830 150 76	5.23	−30.48	−41.26	0.68	0.80	1.01	0.68	0.97	+ 8 −25 − 8 −18 − 7 + 3 + 0 +10 −14 − 7	0	−1.76
86045	17 35 04.59	+20 06 59.8	10.63	H	263.769 136 24	+20.116 616 98	4.18	0.64	−33.80	1.37	1.64	2.08	2.15	2.50	+11 −14 −19 +11 +22 + 4 +18 −14 + 4 −11	0	0.03
86046 H	17 35 06.20	−00 35 50.4	9.41	H	263.775 830 92	−00.597 346 59 A	1.99	−4.14	−1.83	2.45	1.40	2.43	2.48	1.25	− 4 −28 +11 + 6 +24 + 1 +19 +20 − 9 − 3	2	0.44
86047	17 35 06.28	−38 47 58.3	6.76	H	263.776 169 46	−38.799 537 25	9.35	−4.18	28.82	0.84	0.59	0.88	1.05	0.68	+14 −25 − 7 +43 + 5 +16 + 4 +55 + 9 +26	0	−1.53
86048	17 35 06.33	−56 58 52.9	8.64	H	263.776 384 27	−56.981 358 09	5.46	12.24	−26.22	1.01	0.68	1.17	1.17	0.68	−15 − 3 − 7 −36 −14 + 0 − 9 −20 + 9 −24	0	1.71
86049	17 35 07.48	−13 38 16.0	6.87	H	263.781 154 02	−13.637 782 65	9.88	−26.24	−31.19	0.82	0.56	0.86	0.95	0.67	−19 −33 − 2 +11 −19 + 4 −17 + 5 − 5 −37	3	3.96
86050	17 35 08.19	+23 58 12.2	8.72	H	263.784 129 81	+23.970 053 09	7.97	−3.23	22.17	0.46	0.86	1.17	0.53	1.15	+ 2 − 5 −18 −12 + 2 − 3 + 2 −15 + 7 + 8	0	−1.26
86051	17 35 08.60	−38 37 26.1	8.75	G	263.785 830 52	−38.623 902 84	30.43	−312.83	−226.99	1.32	0.91	1.35	1.63	1.04	+24 −32 −10 +39 +10 + 9 + 9 +57 + 5 +33	0	1.04
86052	17 35 10.40	−28 12 13.0	8.45	G	263.793 340 53	−28.203 623 74	2.43	−3.97	−15.82	1.13	0.73	1.24	1.16	0.71	−10 −37 −10 +12 −42 −13 −25 +55 − 8 −40	0	0.71
86053	17 35 10.68	+62 27 42.1	7.05	H	263.794 517 06	+62.461 701 03	5.30	−28.47	−0.27	0.56	0.56	0.59	0.60	0.66	+14 −25 − 6 + 5 + 3 − 5 + 6 + 1 −13 +31	0	−0.68
86054	17 35 10.73	+24 20 57.9	7.29	1 H	263.794 727 01	+24.349 425 87	3.68	13.22	−21.97	0.37	0.61	0.83	0.46	0.85	+ 2 − 7 −16 − 6 + 5 + 3 + 6 −15 + 6 + 3	3	0.10
86055	17 35 13.07	−53 04 35.4	8.91	H	263.804 437 86	−53.076 503 32	4.45	4.03	13.03	1.00	0.66	1.34	1.27	0.66	−26 −21 + 0 −32 + 5 + 6 + 2 −35 +21 + 8	0	−1.66
86056	17 35 13.26	+23 11 21.8	8.84	H	263.805 238 43	+23.189 396 54	9.27	−34.47	49.33	0.55	0.94	1.24	0.69	1.22	−10 −11 + 1 +21 +16 − 4 +25 −26 − 3 + 9	1	0.24
86057	17 35 13.54	−48 40 55.1	10.13	G	263.806 427 98	−48.681 974 09	102.30	84.41	456.02	2.25	1.86	2.21	2.94	2.12	+13 −30 + 1 +52 +23 + 0 +17 +74 + 5 +18	3	3.68
86058	17 35 16.28	+55 00 12.2	9.05	2 H	263.817 815 54	+55.003 391 73	3.21	9.63	1.44	0.76	0.81	0.82	0.80	0.95	+13 −17 − 8 +24 +15 −20 +16 +24 − 4 + 6	0	−0.09
86059	17 35 16.70	−12 20 52.0	7.86	H	263.819 590 61	−12.347 775 24	5.36	−4.02	−8.93	1.08	0.65	1.10	1.20	0.75	+12 −42 − 6 +30 − 7 − 9 − 5 + 2 − 6 + 5	0	1.14
86060	17 35 18.50	−22 02 37.7	6.47	1 H	263.827 088 59	−22.043 801 31	3.69	−3.25	−8.45	0.77	0.48	0.80	0.81	0.48	−24 −36 −16 +17 −50 + 0 −32 +59 −13 −53	0	0.84
86061	17 35 18.56	−55 34 55.8	10.80	G	263.827 319 92	−55.582 170 95	0.69	4.21	−0.43	1.39	1.05	2.00	1.58	1.06	− 9 −16 + 1 −10 + 5 +23 + 5 −28 +12 + 8	0	1.08
86062	17 35 18.80	−35 58 13.7	10.16	G	263.828 336 19	−35.970 471 75	16.53	−333.13	−306.18	1.95	1.28	2.11	2.31	1.44	+ 3 −46 −17 +36 + 1 −13 + 1 +54 − 9 + 2	0	−0.98
86063	17 35 19.84	+18 53 03.7	10.02	G	263.832 669 35	+18.884 359 28	15.88	71.09	−311.49	0.85	1.09	1.74	1.47	1.58	−14 − 8 −26 −15 + 8 − 3 + 5 −18 +22 −14	3	0.91
86064	17 35 19.91	−53 21 10.4	6.09	H	263.832 964 19	−53.352 884 03	3.04	−6.28	−18.27	0.59	0.44	0.78	0.75	0.45	−37 −15 − 1 −27 +12 + 0 +10 −31 +18 −12	2	0.08
86065 H	17 35 20.26	+03 56 22.1	8.28	G	263.834 418 18	+03.939 467 15 A	7.00	5.44	1.15	1.25	0.88	1.57	1.25	0.82	−13 −23 − 9 − 8 +26 −32 +24 +10 −16 − 4	1	−0.18
86066	17 35 20.80	+69 38 01.4	8.66	H	263.836 671 03	+69.633 731 71	0.79	10.99	−10.20	0.70	0.70	0.77	0.82	0.85	+14 − 2 + 7 −16 − 1 −25 + 3 −28 −24 +35	3	0.84
*86067	17 35 24.45	+64 22 50.3	8.74	H	263.851 878 50	+64.380 632 90	13.26	11.87	−74.73	0.72	0.72	0.80	0.80	0.85	+ 1 −23 + 3 − 8 −11 +15 −11 −13 − 8 −12	0	2.24
*86068	17 35 24.37	+36 08 10.7	8.29	H	263.851 540 43	+36.136 307 76	1.36	−0.81	−0.01	0.62	0.72	0.83	0.71	0.85	+13 −14 −12 +20 +15 −19 +15 −11 +12 +20	0	−0.06
86069	17 35 26.06	−27 21 51.6	10.08	G	263.858 596 59	−27.364 339 92	7.59	−13.19	−12.25	2.49	1.51	2.25	2.78	1.93	−49 −50 − 6 +62 −61 −19 −68 +81 +15 −64	0	3.02
86070 H	17 35 26.71	+13 21 42.7	8.10	H	263.861 277 30	+13.361 863 65 A	4.80	−8.00	−18.82	1.67	1.28	1.54	1.26	1.15	− 4 + 0 −26 +16 +42 −10 +33 + 2 +10 + 8	1	0.33
86071	17 35 26.89	−36 30 13.0	8.15	H	263.862 033 99	−36.503 603 91	2.56	4.50	−5.06	1.33	0.89	1.39	1.53	1.01	+20 −51 −16 +42 +24 −13 +16 +61 + 1 +17	0	−0.56
86072	17 35 27.65	−84 41 48.2	8.48	H	263.865 205 04	−84.696 733 94	7.66	57.58	−1.10	0.58	0.66	0.76	0.64	0.82	+ 9 − 7 − 8 +10 − 1 + 1 − 1 + 9 − 5 − 5	1	1.96
86073	17 35 28.05	+31 03 55.2	11.04	2 H	263.866 878 53	+31.065 338 59	2.25	3.93	−4.88	1.03	1.24	1.51	1.16	1.64	+ 4 −17 + 0 +31 + 3 −20 + 4 + 8 + 3 + 9	4	−0.18
86074	17 35 28.33	−72 20 33.0	9.05	H	263.868 049 64	−72.342 504 11	2.71	5.99	−43.88	0.62	0.88	1.27	0.64	0.98	− 3 − 8 + 7 +15 −14 −14 −15 + 4 +15 − 2	0	−1.24
86075	17 35 28.56	+55 56 54.9	9.96	H	263.868 999 21	+55.948 580 52	0.49	−18.44	−40.49	0.90	0.95	0.96	0.90	1.13	− 2 + 0 − 3 + 9 +17 + 5 +20 + 0 − 4 + 0	2	−0.76
86076	17 35 29.12	−55 45 47.0	8.71	H	263.871 349 07	−55.763 069 13	2.35	0.06	−4.38	0.78	0.56	1.13	0.84	0.54	−22 −24 + 6 −10 − 3 +29 − 5 −31 +16 − 8	1	0.09
86077	17 35 29.27	+32 37 51.9	8.46	H	263.871 964 38	+32.631 091 86	4.21	2.92	21.70	0.58	0.71	0.87	0.59	0.84	+ 6 −23 −16 +16 +10 −23 + 6 −15 +17 + 8	1	1.36
86078	17 35 30.06	−05 55 53.6	8.13	H	263.875 267 71	−05.931 549 40	3.15	−3.22	−1.17	0.92	0.47	1.03	1.01	0.45	+ 6 −15 + 0 − 8 +16 − 8 +21 +27 − 7 −11	0	−0.70
86079	17 35 30.31	−37 50 52.0	7.90	G	263.876 280 58	−37.847 771 49	12.39	−43.35	−38.31	1.02	0.71	1.15	1.32	0.75	+12 −22 −25 +13 −22 −31 −20 +34 − 5 −23	0	−1.33
86080	17 35 30.60	+20 42 42.1	9.13	2 H	263.877 518 53	+20.711 692 68	3.80	1.56	−3.20	0.99	1.07	1.43	1.60	1.72	+13 −32 −26 +19 +15 −11 + 2 −17 − 1 −26	0	0.05
86081	17 35 31.32	−02 53 30.2	7.75	H	263.880 481 12	−02.891 711 14	3.62	6.15	−0.75	0.87	0.50	0.91	1.21	0.48	+ 0 −17 − 2 + 4 +34 + 1 +27 +47 − 7 − 7	0	1.30
86082	17 35 31.64	−23 37 15.2	8.95	H	263.881 853 94	−23.620 877 21	3.31	−21.59	−4.24	1.37	0.81	1.42	1.83	0.72	+ 3 −10 + 8 − 6 −53 −19 −31 +55 −15 −13	0	1.50
86083	17 35 31.88	−57 26 56.7	9.28	H	263.882 842 06	−57.449 084 59	12.88	78.75	24.12	1.17	0.89	1.54	1.38	0.87	−26 − 3 −22 −25 − 2 +12 + 2 −20 + 3 −27	0	0.00
86084	17 35 32.59	+05 01 00.6	8.02	2 H	263.885 804 72	+05.016 843 68	2.40	−1.17	−11.21	0.85	0.63	1.05	1.00	0.67	+ 5 −17 + 4 +18 +35 −15 +32 +36 −12 +18	0	−0.61
86085	17 35 32.62	+11 22 02.3	7.54	2 H	263.885 913 57	+11.367 297 17	2.09	3.10	−40.06	0.79	0.66	1.01	0.79	0.70	+23 −25 −25 +31 +38 + 8 +45 +31 −15 +15	0	1.13
86086	17 35 34.06	−24 37 41.3	7.70	H	263.891 900 69	−24.628 127 75	18.51	−71.25	−78.23	1.04	0.64	1.06	1.24	0.62	−23 −32 −17 +32 −44 + 7 −29 +69 −17 −36	0	1.91
86087	17 35 34.16	+61 40 58.1	9.98	G	263.892 319 37	+61.682 814 06	70.95	263.74	−514.14	1.01	1.07	1.09	1.05	1.28	+ 7 −16 + 6 − 9 + 3 −11 + 5 − 8 − 9 +15	0	−1.13
86088	17 35 35.00	−59 50 45.9	6.26	H	263.895 843 04	−59.846 097 02	2.33	−4.26	−7.29	0.57	0.47	0.71	0.63	0.46	− 9 −23 −25 −12 −23 +11 −19 −10 + 6 −27	0	0.47
86089	17 35 35.51	−20 59 57.3	9.32	H	263.897 974 06	−20.999 245 43	5.41	2.52	−17.48	1.25	0.68	1.31	1.69	0.68	− 1 −31 − 8 +11 −25 + 5 −15 +44 − 5 − 6	2	1.33
86090	17 35 36.18	+01 07 09.4	9.91	H	263.900 765 62	+01.119 276 44	9.97	−22.01	−140.13	1.23	0.81	1.56	1.53	0.85	−17 −21 − 4 +14 +32 − 7 +28 +29 −25 −16	0	0.40
86091	17 35 36.44	−41 30 59.1	9.16	H	263.901 850 64	−41.516 409 02	6.23	−20.47	−46.94	1.35	0.98	1.50	1.69	1.10	− 9 −26 −15 +13 −10 + 1 − 7 +36 − 5 −19	0	0.58
86092	17 35 39.61	−46 30 20.1	4.56	H	263.915 047 19	−46.505 590 76	8.46	−25.13	−38.32	0.70	0.56	0.72	0.80	0.60	−30 −18 −15 +32 −38 + 5 −33 +49 −11 −41	0	0.55
86093	17 35 40.21	−56 20 55.4	8.27	H	263.917 521 54	−56.348 710 23	2.47	−8.70	−17.74	0.87	0.64	1.09	0.96	0.66	−24 −27 − 9 − 5 −14 + 3 −15 + 9 +12 −33	1	0.72
*86094	17 35 41.37	+63 13 18.8	9.43	H	263.922 364 13	+63.221 878 13	3.31	3.12	21.00	0.87	0.84	0.90	0.85	0.81	−12 − 4 + 5 −28 −13 − 3 −12 −34 − 8 −13	0	0.26
*86095 H	17 35 40.77	−62 57 12.8	9.56	H	263.919 855 29	−62.953 569 24 A	0.95	−5.65	−18.45	4.50	4.36	5.74	4.28	4.22	+15 − 9 +16 −21 + 3 +15 − 5 + 1 + 3 +45	2	1.23
86096	17 35 42.36	+37 18 05.7	6.13	H	263.926 514 08	+37.301 586 59	7.67	9.44	3.00	0.44	0.49	0.57	0.46	0.66	− 4 + 9 −10 + 1 + 9 −12 + 9 −18 − 3 − 6	0	0.64
86097	17 35 42.56	−06 07 13.6	6.61	H	263.927 320 80	−06.120 431 62	8.80	−1.06	41.41	0.78	0.38	0.87	0.82	0.37	+ 3 −20 − 8 −16 +12 −16 +18 +20 −11 −14	0	0.87
86098	17 35 43.08	−37 26 23.3	6.48	H	263.929 479 54	−37.439 791 90	9.64	−9.17	−35.55	0.77	0.54	0.94	0.97	0.60	+ 4 −42 −36 +20 + 4 −36 −11 +16 +14 −40	0	1.42
86099	17 35 43.81	−14 38 37.1	7.54	H	263.932 522 66	−14.643 625 50	2.73	11.81	−23.53	1.31	0.87	1.53	1.70	1.12	− 8 −19 −11 −36 +16 −41 + 8 −51 + 8 −59	0	1.30
86100	17 35 46.90	+46 38 32.2	8.19	H	263.945 414 12	+46.642 283 57	6.06	−5.64	−2.64	0.64	0.63	0.73	0.71	0.77	+ 7 −19 −24 + 1 +19 −10 +14 + 2 +20 + 3	0	1.25

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
86001	9.626	0.024	9.024	0.023		0.560	0.025	T	0.63	0.02	L	9.0821	0.0026	0.016	71		9.06	9.11		C			1							
86002	9.784	0.029	9.347	0.030		0.426	0.034	T	0.49	0.04	L	9.3772	0.0032	0.017	63		9.34	9.41					1							
86003	9.168	0.014	7.765	0.008		1.186	0.013	T	1.15	0.01	L	7.7996	0.0009	0.007	101		7.78	7.81					1							
86004	10.601	0.042	9.127	0.021		1.241	0.037	T	1.20	0.04	L	9.1453	0.0023	0.022	108		9.11	9.18					1							
86005	10.910	0.061	8.951	0.020		1.650	0.015	G	1.63	0.01	J	8.8522	0.0020	0.017	78		8.83	8.88		C			1							
86006	9.971	0.031	8.910	0.022		0.916	0.031	G	0.96	0.02	A	8.8987	0.0025	0.018	61		8.87	8.93		C			1							
86007	10.982	0.036	9.148	0.014		1.557	0.032	T	2.16	0.08	O	9.0054	0.0032	0.031	160		8.95	9.06		U			1	S						
86008	8.897	0.010	7.382	0.006		1.274	0.009	T	1.23	0.01	L	7.4224	0.0012	0.012	137		7.40	7.44		C			1							S
86009	7.277	0.004	7.191	0.007		0.084	0.008	T	0.10	0.01	L	7.2109	0.0010	0.010	118		7.19	7.23		C			1							S
86010	9.810	0.027	9.233	0.026		0.542	0.028	T	0.62	0.03	L	9.2691	0.0023	0.021	65		9.24	9.30					1							
86011						0.045	0.032	G	0.01	0.00	L *	5.7039	0.0016	0.013	74	*	5.69	5.73	3.37	P 1 A	17347−3235	I 1	2 C	D	AD	62	0.735	0.030	3.21	0.10	S D D
86012	8.017	0.007	7.741	0.008		0.260	0.011	T	0.29	0.01	L	7.7742	0.0014	0.014	143		7.75	7.80		C			1							S
86013	9.058	0.014	8.418	0.013		0.577	0.025	G	0.69	0.02	A	8.4982	0.0016	0.014	96		8.48	8.52		C	17348+0601	I 2	1							
86014	10.102	0.034	9.054	0.023		0.910	0.031	T	0.91	0.02	L	9.0637	0.0026	0.015	64		9.03	9.09					1							
86015	7.993	0.007	7.756	0.007		0.226	0.009	T	0.25	0.01	L	7.7978	0.0013	0.015	145		7.77	7.82					1							S
86016	7.200	0.005	6.966	0.005		0.223	0.007	T	0.25	0.01	L	7.0045	0.0008	0.009	138		6.99	7.02		C			1							S
86017	9.959	0.021	8.510	0.012		1.222	0.019	T	1.18	0.02	L	8.5203	0.0014	0.014	122		8.49	8.54		C			1							
86019	5.552	0.003	5.538	0.004		0.013	0.004	T	0.03	0.00	L	5.5561	0.0006	0.005	76		5.55	5.57			17348−1115	I 1	1							S
86020	9.746	0.023	8.612	0.016		0.976	0.022	T	0.96	0.02	L	8.5758	0.0023	0.017	79		8.54	8.61					1	S						
86021	10.320	0.041	8.918	0.022		1.185	0.036	T	1.12	0.02	A	8.9264	0.0020	0.020	62		8.90	8.95		D			1							
86022	8.404	0.010	7.928	0.009		0.448	0.012	T	0.52	0.01	L	7.9793	0.0014	0.013	105		7.96	8.00		C			1							S
86023	8.767	0.016	8.744	0.020		0.026	0.024	T	0.04	0.02	L	8.7529	0.0014	0.013	71		8.73	8.77		C			1							
86024	8.009	0.009	7.447	0.008	*	0.518	0.009	G	0.55	0.02	A *	7.5104	0.0012	0.010	93	*	7.49	7.52		D	17348+0601	I 2	2 C	A	AK	242	0.272	0.009	1.47	0.07	S
86025	8.080	0.012	8.064	0.015		0.138	0.015	G	0.03	0.01	L	8.0628	0.0022	0.015	64		8.04	8.08					1							
86026	7.953	0.010	8.026	0.013		−0.062	0.015	T	−0.04	0.01	L	8.0184	0.0028	0.016	63		8.00	8.05		M			1							S
86027	8.460	0.010	8.187	0.011		0.260	0.014	T	0.29	0.02	L	8.2278	0.0021	0.013	95		8.21	8.26		C			1							
86028	8.220	0.012	7.973	0.014		0.351	0.015	G	0.41	0.02	H	8.0227	0.0011	0.008	90		8.01	8.04					1							S
86029	7.691	0.005	7.698	0.008		−0.002	0.009	T	0.02	0.01	L	7.7251	0.0009	0.010	148		7.71	7.75					1							S
86030	9.786	0.026	9.283	0.026	*	0.510	0.015	G	0.58	0.02	H *	9.3066	0.0028	0.017	73	*	9.28	9.34			17349−2909	H 1	2 C	A	AB	94	0.540	0.052	2.74	0.19	
86031	8.028	0.011	8.051	0.015		−0.004	0.006	G	0.02	0.01	H	8.0464	0.0017	0.010	72		8.03	8.07		C			1							
86032	2.315	0.003	2.106	0.003		0.155	0.003	G	0.17	0.03	C	2.1262	0.0005	0.003	67		2.12	2.14			17349+1234	I 1	1 G							S D
86033	10.081	0.025	9.508	0.024		0.536	0.031	T	0.61	0.03	L	9.5641	0.0021	0.023	115		9.53	9.61		C			1							
86034	9.130	0.014	8.829	0.015	*	0.286	0.020	T	0.33	0.03	L *	8.8746	0.0015	0.016	98	*	8.84	8.90		D	17349+4803	H 1	2 C S A		AB	51	0.155	0.007	0.47	0.39	
86035	10.171	0.041	10.128	0.061		0.103	0.023	G	0.12	0.03	H	10.0558	0.0052	0.024	65		10.01	10.09					1							G
86036	5.979	0.003	5.317	0.003	A	0.602	0.004	G	0.67	0.00	R *	5.3485	0.0007	0.006	114	*	5.34	5.36		D	17351+6152	I 1	2 C	A	AB	340	1.550	0.015	3.36	0.07	S
86037	11.108	0.049	9.914	0.028		1.022	0.044	T	1.00	0.04	L	9.9374	0.0026	0.024	128		9.89	9.99		C			1							
86038	11.012	0.072	10.446	0.070		0.671	0.050	G	0.73	0.04	H	10.3844	0.0034	0.027	65		10.34	10.43					1							G
86039	9.033	0.011	8.339	0.010		0.640	0.012	T	0.70	0.01	L	8.4019	0.0021	0.019	131		8.37	8.43					1							S
86040	9.768	0.021	9.134	0.019		0.589	0.025	T	0.66	0.02	L	9.1951	0.0019	0.018	111		9.17	9.24					1							
86041	7.387	0.006	7.294	0.008		0.091	0.009	T	0.10	0.01	L	7.3104	0.0010	0.010	79		7.30	7.33		C			1							S
86042	10.182	0.019	9.088	0.013		0.945	0.018	T	0.94	0.01	L	9.1672	0.0020	0.025	195		9.13	9.20					1							
86043	7.279	0.005	7.052	0.006	A	0.210	0.001	G	0.23	0.00	H *	7.0783	0.0010	0.010	137	*	7.06	7.09		D	17351−6207	I 1	2 C	B	AB	271	1.483	0.040	3.58	0.15	S
86044	9.293	0.013	8.826	0.012		0.453	0.014	T	0.52	0.01	L	8.8753	0.0018	0.019	142		8.84	8.91		C			1							
86045	11.221	0.061	10.781	0.068		0.415	0.084	T	0.48	0.09	L	10.7065	0.0055	0.050	100		10.56	10.79		R			1							G
86046	9.630	0.018	9.440	0.022	*	0.182	0.026	T	0.20	0.03	L *	9.4694	0.0021	0.017	99	*	9.43	9.50		C	17351−0036	H 1	2 C	C	AB	198	0.779	0.069	3.74	0.28	
86047	8.360	0.015	6.888	0.007		1.240	0.013	T	1.20	0.01	L	6.9259	0.0013	0.007	68		6.91	6.94		C			1							S
86048	9.304	0.016	8.713	0.015		0.552	0.019	T	0.62	0.02	L	8.7637	0.0020	0.019	118		8.74	8.80					1							
86049	6.924	0.007	6.880	0.007		0.040	0.009	T	0.06	0.01	L	6.8937	0.0017	0.009	56		6.87	6.93					1							S
86050	9.180	0.010	8.756	0.010		0.401	0.013	T	0.47	0.01	L	8.8119	0.0013	0.023	241		8.77	8.85					1							
86051	9.842	0.046	8.864	0.034		0.790	0.003	G	0.83	0.00	H	8.8958	0.0022	0.012	59		8.87	8.92		C	17351−3837	I 1	1							
86052	10.103	0.034	8.613	0.017		1.300	0.015	G	1.26	0.02	H	8.6059	0.0012	0.012	76		8.58	8.62					1							
86053	8.760	0.012	7.188	0.006		1.310	0.015	G	1.27	0.02	H	7.2075	0.0012	0.011	103		7.19	7.23					1							S
86054	9.300	0.011	7.460	0.005		1.530	0.010	T	1.57	0.02	L	7.4089	0.0011	0.014	207		7.39	7.43		M			1							S
86055	9.481	0.014	8.972	0.013		0.478	0.017	T	0.55	0.02	L	9.0180	0.0019	0.019	144		8.99	9.05		C			1							
86056	9.433	0.012	8.874	0.012		0.523	0.015	T	0.60	0.02	L	8.9543	0.0018	0.021	199		8.92	8.99		C			1							
86057	12.096	0.210	10.357	0.069		1.543	0.020	G	2.27	0.01	A	10.1664	0.0045	0.027	65		10.13	10.20		C			1	S						G
86058	9.401	0.023	9.072	0.024		0.312	0.031	T	0.36	0.04	L	9.1281	0.0025	0.027	83		9.09	9.20		U 2			1							
86059	9.274	0.021	8.010	0.013		1.077	0.019	T	1.04	0.02	L	8.0279	0.0017	0.010	55		8.01	8.05		C			1							
86060	6.490	0.006	6.479	0.005		0.011	0.007	T	0.03	0.01	L	6.4790	0.0025	0.019	99		6.46	6.51	9.74	P 1 A			1							S P
86061	11.447	0.074	10.784	0.064		0.640	0.020	G	0.70	0.02	H	10.9279	0.0043	0.044	165		10.83	11.00					1							G
86062	11.250	0.090	10.193	0.058		0.905	0.016	G	0.95	0.02	I	10.3161	0.0048	0.030	67		10.27	10.37					1							G
86063	11.124	0.047	10.086	0.031		0.830	0.015	G	0.87	0.01	H	10.1714	0.0024	0.023	119		10.12	10.20					1	S						G
86064	6.109	0.002	6.087	0.003		0.025	0.003	T	0.04	0.00	L	6.1019	0.0005	0.006	153		6.09	6.11		C			1							S
86065	9.486	0.016	8.395	0.011	A	1.033	0.039	G	1.05	0.04	H *	8.4493	0.0023	0.017	107	*	8.41	8.47		R	17353+0356	I 1	2 C	B	AB	244	2.178	0.042	3.66	0.13	S
86066	10.327	0.033	8.810	0.017		1.275	0.029	T	1.23	0.03	L	8.8140	0.0015	0.014	95		8.79	8.84					1							
86067	9.505	0.016	8.800	0.014		0.649	0.017	T	0.71	0.01	L	8.8740	0.0024	0.018	113		8.85	8.91					1							S
86068	9.964	0.019	8.414	0.010		1.301	0.017	T	1.26	0.02	L	8.4477	0.0017	0.018	128		8.42	8.49					1							
86069	10.802	0.054	10.257	0.056		0.684	0.063	G	0.74	0.05	H	10.2084	0.0039	0.031	85		10.15	10.25		C			1 G							G
86070	8.426	0.011	8.151	0.012	*	0.262	0.015	T	0.29	0.02	L *	8.1764	0.0019	0.014	85	*	8.15	8.20		D	17354+1322	I 1	2 C	A	AB	101	0.478	0.008	1.84	0.04	S
86071	10.109	0.040	8.290	0.017		1.514	0.034	T	1.55	0.05	L	8.2728	0.0021	0.017	65		8.25	8.30					1							
86072	9.141	0.012	8.544	0.011		0.557	0.012	T	0.63	0.01	L	8.5970	0.0020	0.018	142		8.57	8.63					1							
86073	11.667	0.087	9.883	0.028		1.516	0.075	T	5.42	0.81	K	9.7111	0.0066	0.060	143		9.64	9.83		U 2 C			1							G
86074	10.250	0.022	9.138	0.014		0.958	0.020	T	0.95	0.01	L	9.2129	0.0018	0.023	179		9.18	9.26					1							
86075	11.623	0.096	10.120	0.041		1.264	0.082	T	1.22	0.09	L	10.1160	0.0026	0.022	106		10.07	10.15		C			1							
86076	8.794	0.009	8.713	0.011		0.073	0.013	T	0.08	0.01	L	8.7363	0.0019	0.019	169		8.71	8.78					1							
86077	8.749	0.011	8.475	0.012		0.261	0.015	T	0.29	0.02	L	8.5370	0.0021	0.019	129		8.51	8.57					1							
86078	8.573	0.012	8.137	0.012		0.412	0.016	T	0.48	0.02	L	8.2225	0.0011	0.011	106		8.20	8.24		C	17355−0556	I 1	1							S
86079	8.394	0.018	7.910	0.019		0.453	0.015	G	0.52	0.02	H	7.9985	0.0016	0.012	55		7.98	8.02		C			1							S
86080	11.106	0.056	9.413	0.023		1.441	0.050	T	3.16	0.07	O	8.9863	0.0083	0.104	84		8.78	9.26		U 2			1	S						
86081	7.918	0.008	7.781	0.008		0.132	0.011	T	0.15	0.01	L	7.7993	0.0010	0.009	107		7.78	7.82		C			1							S
86082	10.800	0.052	9.128	0.021		1.397	0.044	T	1.37	0.05	L	9.0981	0.0017	0.014	91		9.07	9.12		C			1							
86083	10.023	0.025	9.317	0.022		0.650	0.027	T	0.71	0.02	L	9.4190	0.0021	0.024	108		9.39	9.45					1							
86084	10.340	0.030	8.260	0.011		1.760	0.026	T	2.63	0.04	O	8.0195	0.0040	0.053	107		7.95	8.12		U 2			1	S						P
86085	9.646	0.022	7.759	0.010		1.568	0.019	T	1.59	0.02	L	7.6579	0.0046	0.037	82		7.60	7.70		U 2			1							S
86086	8.244	0.010	7.757	0.009		0.470	0.010	T	0.54	0.01	L	7.8099	0.0016	0.012	105		7.79	7.83					1							S
86087	12.002	0.125	10.266	0.047		1.456	0.024	G	1.83	0.11	I	10.0357	0.0030	0.025	97		9.98	10.07					1							G
86088	6.156	0.004	6.250	0.004		−0.081	0.005	T	−0.06	0.01	L	6.2407	0.0007	0.007	120		6.23	6.25		C			1							S
86089	9.940	0.028	9.411	0.027		0.505	0.029	T	0.58	0.03	L	9.4259	0.0022	0.015	93		9.40	9.45					1							
86090	10.989	0.043	9.986	0.027		0.876	0.038	T	0.89	0.03	L	10.0766	0.0033	0.032	138		10.03	10.13		R			1							G
86091	9.981	0.036	9.309	0.032		0.611	0.036	T	0.68	0.03	L	9.2867	0.0032	0.018	59		9.26	9.32		C			1							
86092	4.547	0.003	4.569	0.002		−0.020	0.012	G	0.01	0.02	A	4.5653	0.0006	0.004	56		4.56	4.58		C			1							S
86093	9.477	0.014	8.378	0.010		0.949	0.013	T	0.94	0.01	L	8.4301	0.0022	0.020	154		8.40	8.46					1	S						
86094	9.901	0.029	9.495	0.030		0.384	0.039	T	0.45	0.04	L	9.5210	0.0021	0.019	87		9.48	9.56		C			1							
86095	9.864	0.031	9.481	0.036	*	0.363	0.045	T	0.42	0.05	L *	9.6483	0.0035	0.039	132	*	9.58	9.72		D	17357−6257	I 1	2 C	B	AB	108	5.105	0.017	0.11	0.03	
86096	7.376	0.005	6.237	0.003		0.978	0.002	G	0.96	0.00	H	6.2938	0.0006	0.006	120		6.29	6.31		C			1							S
86097	8.145	0.009	6.748	0.005		1.181	0.008	T	1.14	0.01	L	6.7800	0.0008	0.007	107		6.77	6.79		C			1							S
86098	6.489	0.007	6.482	0.006		0.006	0.002	G	0.03	0.00	H	6.4884	0.0010	0.008	53		6.48	6.50		C			1							S
86099	9.852	0.029	7.770	0.011		1.723	0.025	T	1.75	0.03	L	7.6435	0.0024	0.011	47		7.62	7.66					1	S						
86100	8.320	0.010	8.201	0.011		0.115	0.014	T	0.13	0.01	L	8.2333	0.0018	0.015	105		8.21	8.26					1							S

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%) δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	$\mu_{\alpha*}$ μ_δ	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
86101	17 35 47.46	+19 50 37.8	6.52	H	263.947 745 06	+19.843 820 87	8.01	−54.62	−22.67	0.55	0.60	0.86	0.84	0.77	+10	−19	−31	+ 8	+15	+ 6	+12	− 1	+13	− 5	0	−3.28
86102	17 35 47.79	+73 04 38.9	7.72	H	263.949 118 83	+73.077 482 72	6.03	−5.77	43.20	0.60	0.50	0.61	0.68	0.66	+ 7	− 4	+ 7	−20	+12	− 5	+16	− 6	−18	+ 4	0	−0.38
86103	17 35 48.41	+14 16 21.0	8.15	H	263.951 700 38	+14.272 486 93	2.76	−2.12	−14.41	0.79	0.79	1.09	0.74	0.86	+26	−28	−38	+26	+41	+ 2	+50	+35	− 6	+25	0	1.65
86104	17 35 49.17	−15 49 51.1	8.85	G	263.954 855 69	−15.830 850 14	4.75	1.78	−11.18	1.32	0.84	1.41	1.87	0.99	−19	−20	−14	− 8	+24	−13	+14	−29	+19	−33	0	1.31
86105	17 35 50.40	−65 02 42.8	7.49	H	263.960 002 53	−65.045 218 98	2.28	−13.38	−39.70	0.66	0.59	0.88	0.74	0.64	− 4	−15	−14	−11	−23	+11	−21	+ 9	+ 8	− 9	0	−1.04
86106 H	17 35 50.43	+00 59 47.8	7.55	G	263.960 130 48	+00.996 616 75 A	1.52	−1.51	−10.65	1.69	1.15	2.24	2.03	1.13	−14	− 2	−37	+14	+27	−35	+16	+24	−25	− 8	4	1.45
86107	17 35 50.79	+12 02 48.9	6.76	2 H	263.961 610 44	+12.046 922 16	2.85	−4.28	10.67	0.74	0.62	0.86	0.82	0.67	+16	+ 0	− 2	+ 9	+48	+ 7	+42	+27	+16	+43	0	2.17
86108	17 35 50.95	−06 12 06.2	9.19	H	263.962 277 45	−06.201 731 22	5.07	12.60	−14.17	1.30	0.65	1.46	1.38	0.62	+23	−18	−10	−13	+10	−22	+18	+22	−10	− 3	0	−2.55
86109	17 35 51.48	+42 24 43.8	9.11	H	263.964 493 58	+42.412 170 96	0.45	−6.87	−1.64	0.80	0.78	0.92	0.88	0.94	− 6	− 1	−20	−15	+ 6	+ 5	+ 7	−16	+22	+ 7	0	0.77
86110	17 35 51.82	−27 04 03.4	9.66	G	263.965 906 31	−27.067 612 62	7.64	16.97	13.92	1.59	1.21	1.67	2.00	1.25	−36	−18	−31	+37	−57	+16	−41	+75	−34	−50	2	1.96
86111	17 35 53.30	−04 11 03.0	8.06	H	263.972 071 02	−04.184 155 22	9.38	−19.10	8.93	0.97	0.49	1.06	1.00	0.50	+20	−52	−20	+18	+19	−14	+31	+53	−32	+ 8	0	0.52
86112	17 35 53.67	+38 00 44.3	8.59	H	263.973 634 25	+38.012 301 74	1.34	−0.43	25.10	0.62	0.70	0.80	0.67	0.89	+ 7	−15	− 1	+16	+ 5	−21	+ 7	−17	−14	+ 8	0	−1.56
86113	17 35 53.84	−61 45 43.8	8.61	H	263.974 338 62	−61.762 162 02	12.87	1.71	134.92	0.74	0.64	0.97	0.92	0.70	+11	−14	− 6	−34	−20	+ 6	−16	−17	+ 3	+ 1	0	0.70
86114	17 35 54.24	−06 07 43.8	8.04	G	263.975 995 45	−06.128 832 05	6.51	21.44	12.40	0.95	0.47	1.07	1.02	0.46	+ 8	−18	− 6	−15	+ 9	−20	+16	+20	− 9	−11	0	0.02
86115	17 35 54.59	−33 50 56.5	8.54	G	263.977 464 69	−33.849 019 69	2.53	−0.64	−5.45	1.03	0.69	1.10	1.22	0.78	−18	−35	− 5	+23	−24	− 2	−20	+49	+ 0	−26	2	−0.29
86116	17 35 55.10	+05 41 43.9	9.47	H	263.979 594 21	+05.695 522 90	3.07	−2.08	−1.20	1.14	0.77	1.34	1.42	0.84	+ 7	−13	+ 9	+27	+37	+ 4	+34	+32	−16	+21	0	−0.34
86117	17 35 57.30	−38 28 21.9	7.78	G	263.988 748 92	−38.472 736 68	3.59	−0.10	−2.79	1.07	0.75	1.10	1.35	0.86	+17	−22	−16	+43	+ 4	+12	+ 6	+53	+ 5	+23	0	−0.13
86118	17 35 59.56	+20 59 46.6	6.11	G	263.998 184 91	+20.996 278 17 A	8.50	6.71	−15.06	0.67	0.74	0.98	0.89	0.91	− 2	−19	−47	− 5	+17	−30	+ 3	−10	+22	−39	2	0.76
86119	17 36 00.65	−38 06 07.6	6.94	G	264.002 701 58	−38.102 111 86	10.28	−11.42	−51.16	0.83	0.59	0.85	1.04	0.68	+ 6	−28	−13	+36	−10	− 9	− 9	+45	+ 0	+ 5	0	−0.60
86120	17 36 01.17	+38 17 18.7	10.23	H	264.004 857 23	+38.288 535 34	2.81	−1.03	−21.19	0.97	1.18	1.30	1.16	1.31	+12	−10	−17	+10	+ 2	−25	+ 1	−27	+ 0	+19	1	1.40
86121	17 36 02.58	−51 44 32.3	9.80	H	264.010 729 85	−51.742 304 48	4.07	−5.92	−71.74	1.94	0.90	2.09	2.11	0.86	+15	−43	+18	+44	+32	+11	+30	+ 8	+ 5	+42	4	0.98
86122	17 36 03.98	+25 57 39.4	9.05	H	264.016 603 53	+25.960 931 83	1.55	9.06	−1.61	0.69	0.97	1.36	0.92	1.22	+16	+ 2	− 1	+ 0	+ 8	− 4	+ 9	−11	+37	+33	0	−0.33
86123	17 36 04.20	+11 18 45.4	7.28	H	264.017 519 55	+11.312 597 65	2.20	−0.26	0.01	0.76	0.58	0.93	0.80	0.65	+10	−23	− 7	+38	+30	+10	+33	+33	−11	+ 1	0	1.13
86124	17 36 04.60	−17 18 22.4	9.42	H	264.019 164 40	−17.306 223 05	9.74	−4.90	−2.84	1.58	0.84	1.67	1.70	0.94	+ 2	−52	−11	+18	−17	− 2	+17	+ 3	+ 2	−23	0	−0.58
86125	17 36 04.70	+07 00 53.5	7.93	H	264.019 575 84	+07.014 859 29	5.75	−16.10	−11.26	0.81	0.58	0.99	0.81	0.61	+ 7	−33	+ 0	+19	+40	+ 6	+43	+28	−23	+17	3	1.20
86126	17 36 04.91	−36 46 42.6	8.37	H	264.020 444 67	−36.778 498 77	2.47	0.54	−5.85	1.17	0.82	1.25	1.36	0.91	−16	−39	−19	+34	−29	−14	−22	+54	− 9	−40	0	−1.92
86127	17 36 05.10	−45 42 45.8	9.36	H	264.021 264 79	−45.712 724 12	4.15	4.92	−25.42	1.66	1.47	1.76	2.03	1.58	−30	+ 4	−29	+50	−39	+23	−34	+73	−29	−30	0	1.15
86128	17 36 06.40	−66 51 53.4	7.05	H	264.026 671 41	−66.864 831 54	5.06	−10.61	−31.29	0.40	0.49	0.78	0.58	0.62	+ 4	− 6	− 7	+32	−17	+ 7	−14	+38	+ 3	+14	2	−1.92
86129	17 36 08.00	−76 52 32.3	8.94	H	264.033 313 05	−76.875 645 49	7.01	−7.77	27.38	0.59	0.78	0.93	0.64	0.85	+ 3	−18	− 4	− 2	−12	−12	− 8	+29	− 6	− 9	0	0.25
86130	17 36 08.10	+28 11 06.1	6.40	H	264.033 752 42	+28.185 019 51	7.77	1.70	29.56	0.44	0.59	0.74	0.60	0.82	+15	−11	− 9	− 3	− 7	−16	− 8	−18	−10	+12	0	−0.47
86131	17 36 08.85	+44 57 38.1	11.20	H	264.036 860 28	+44.960 575 63	3.34	4.10	−0.04	1.41	1.49	1.72	1.66	1.67	+ 6	+ 9	−30	−12	+11	−30	+ 2	−21	+10	+ 2	1	−1.77
86132	17 36 09.01	−12 00 34.4	9.04	H	264.037 521 64	−12.009 562 94	6.65	5.92	−6.56	1.29	0.90	1.37	1.77	1.06	+16	−24	−28	+24	− 8	−14	−20	−23	+ 0	−14	0	0.16
86133	17 36 09.21	+52 28 59.7	8.37	1 H	264.038 384 88	+52.483 251 10	0.69	3.59	−16.95	0.60	0.68	0.69	0.60	0.82	− 4	− 4	+ 4	− 5	+ 1	+ 0	+ 1	− 1	+ 2	− 1	0	1.66
86134	17 36 09.24	−49 20 18.6	8.63	H	264.038 480 56	−49.338 508 84	6.43	−4.80	−13.86	1.34	0.91	1.41	1.33	0.98	− 4	−54	−12	+34	−19	− 8	− 8	+57	−11	−23	0	−0.31
86135	17 36 09.75	+04 50 37.0	8.72	H	264.040 612 85	+04.843 608 92	18.91	125.44	−40.61	0.86	0.59	1.08	0.95	0.61	− 9	− 3	− 8	+ 3	+24	−18	+21	+20	−18	+ 1	0	−0.06
86136	17 36 09.80	−57 36 54.4	11.61	G	264.040 853 27	−57.615 115 38	0.28	−12.94	−21.36	2.38	1.77	3.02	2.75	1.77	−24	− 4	−17	−22	+ 1	+ 6	+ 3	−24	+ 5	−18	0	−1.31
86137	17 36 10.21	+74 00 32.8	7.81	G	264.042 553 25	+74.009 123 45	5.59	7.52	3.48	0.62	0.48	0.62	0.61	0.66	+18	−21	+ 8	−39	− 8	− 9	− 3	−20	− 9	+18	0	0.28
86138	17 36 11.48	−29 40 45.3	11.14	H	264.047 822 19	−29.679 254 59	22.03	−175.83	−69.00	2.80	1.85	3.08	3.39	1.97	+ 1	−37	−19	+24	−15	+ 1	−10	+58	− 9	+ 2	0	1.42
86139	17 36 12.68	−47 21 21.1	7.95	H	264.052 851 36	−47.355 852 77	4.05	0.60	−6.71	0.92	0.72	0.95	1.10	0.78	−24	−23	− 3	+39	−25	+14	−21	+58	− 9	−24	0	0.76
86140	17 36 12.85	−30 32 30.5	8.93	G	264.053 543 13	−30.541 791 88	1.71	−2.62	−4.98	1.19	0.86	1.30	1.32	0.88	− 8	+31	−30	+37	−24	+ 6	−14	+64	−15	−33	0	1.32
86141	17 36 13.19	+71 52 42.4	8.55	H	264.054 937 64	+71.878 446 95	52.57	91.84	−36.49	0.64	0.72	0.73	0.69	0.91	+11	−18	+ 0	+ 4	− 1	− 6	+ 2	+ 4	−20	+12	0	−1.30
86142 H	17 36 13.32	−17 51 49.0	7.47	H	264.055 489 14	−17.863 610 88 A	7.65	−45.44	−86.30	2.10	1.08	1.40	1.63	0.95	+28	−18	−14	+10	−19	−25	−15	− 2	+16	−18	1	−0.37
86143	17 36 13.93	+09 42 56.6	7.37	H	264.058 060 07	+09.715 727 72	12.68	−97.44	−100.04	0.67	0.55	0.85	0.73	0.60	+12	−18	−11	+25	+28	+20	+33	+31	−13	+19	0	0.17
86144	17 36 14.10	+56 41 41.2	8.60	H	264.058 770 44	+56.694 771 51	2.38	5.74	−6.26	0.71	0.73	0.74	0.77	0.90	− 7	− 2	− 6	+28	+ 4	− 1	+ 2	+ 0	+ 6	−17	0	−0.64
86145	17 36 15.54	−63 11 36.4	7.98	H	264.064 743 93	−63.193 451 01	3.59	−2.96	−13.86	0.67	0.60	0.97	0.75	0.66	+ 9	−16	+ 7	− 2	+12	+19	+ 7	+10	+13	+26	0	0.51
86146	17 36 16.31	−33 18 22.9	8.37	G	264.067 965 98	−33.306 355 01	1.98	−2.23	−2.26	1.10	0.72	1.17	1.31	0.82	−14	−33	−17	+31	−27	− 4	−21	+50	− 6	−33	0	−0.72
86147	17 36 17.09	−65 59 50.8	7.49	H	264.071 188 91	−65.997 437 05	5.48	−7.47	−24.65	0.52	0.55	0.84	0.59	0.62	+16	−16	−15	+13	−21	+15	−18	+29	− 1	+ 6	3	−0.92
∗86148	17 36 17.53	+49 26 44.6	7.53	H	264.073 041 77	+49.445 719 06	7.15	19.08	−13.66	0.52	0.51	0.57	0.59	0.59	+ 9	−17	−12	+ 5	+ 9	− 5	+ 9	−15	+17	+28	0	1.96
∗86149 H	17 36 17.50	−28 34 18.8	9.43	2 G	264.072 923 75	−28.571 901 16 A	0.62	0.99	−0.91	2.39	1.57	2.35	2.63	1.46	−12	−20	− 6	+17	−35	− 6	−32	+52	−13	+18	1	−0.59
86150	17 36 18.37	+60 16 52.4	9.85	H	264.076 542 19	+60.281 226 92	2.25	4.85	13.61	0.84	0.92	0.92	0.97	1.27	+18	−12	+ 1	+ 5	+ 6	+ 1	+ 9	− 2	−16	+25	0	0.36
86151	17 36 19.19	+29 42 30.0	8.94	H	264.079 944 04	+29.708 334 39	2.86	11.08	2.84	0.73	0.89	1.05	0.86	1.13	+12	−13	−19	− 3	+ 0	+ 7	+ 2	−19	− 1	+11	0	0.35
86152	17 36 20.53	+01 14 47.5	8.54	H	264.085 530 33	+01.246 524 55	3.46	−18.31	14.04	0.96	0.58	1.20	1.08	0.60	−13	−32	+ 3	+33	+27	−19	+29	+34	−25	+ 0	0	0.64
86153	17 36 21.42	+27 34 00.5	6.37	2 H	264.089 262 29	+27.566 807 21	3.38	−4.59	−69.36	0.41	0.54	0.69	0.51	0.74	+ 3	− 9	+ 3	− 2	− 8	−14	− 7	−13	−14	+ 8	0	−0.70
86154	17 36 21.57	−58 22 01.3	8.00	H	264.089 861 45	−58.367 032 68	4.82	−15.42	−18.99	0.85	0.64	1.02	1.05	0.67	− 1	+ 2	− 1	−22	−19	− 5	−18	−14	− 9	+12	0	1.47
86155	17 36 21.73	+03 05 35.5	8.77	H	264.090 522 46	+03.093 203 55	0.93	−5.46	−4.95	0.99	0.63	1.18	1.14	0.64	+ 7	−22	− 9	+38	+28	+ 2	+27	+45	−18	− 1	0	−0.74
86156	17 36 22.13	−41 12 29.3	10.36	H	264.092 226 57	−41.208 151 14	1.87	−1.26	1.21	2.19	1.54	2.35	2.52	1.70	− 1	−39	−28	+29	−23	+ 0	−19	+42	− 1	−28	3	0.63
86157	17 36 22.26	−09 47 40.0	9.53	H	264.092 760 27	−09.794 450 40	4.69	53.51	−9.68	1.76	1.14	2.01	1.92	1.04	− 4	−22	−34	−16	+35	−28	+21	−45	+21	− 9	0	−0.68
86158	17 36 23.23	−20 58 38.0	8.43	H	264.096 797 03	−20.977 231 79	3.66	−8.77	−4.87	1.12	0.67	1.19	1.30	0.69	−10	−41	−17	+ 9	−36	+ 4	−23	+41	− 5	−33	0	−0.34
86159	17 36 23.36	−02 22 11.6	9.42	H	264.097 343 38	−02.369 886 98	1.36	1.92	−8.80	1.26	0.80	1.30	1.80	0.76	+25	−20	− 7	+11	+46	+ 5	+43	+54	−12	+ 6	0	1.61
86160	17 36 24.69	+25 36 58.8	7.35	H	264.102 868 07	+25.616 323 74	4.14	4.38	−10.43	0.43	0.59	0.82	0.55	0.77	+ 7	+ 1	+ 0	+12	+ 7	− 1	+12	−17	+23	+23	1	1.47
86161	17 36 25.29	+01 46 39.2	9.49	H	264.105 383 29	+01.777 550 19	1.43	1.97	−6.36	1.08	0.69	1.29	1.20	0.67	−17	−37	+21	+24	+33	+ 9	+31	+28	−24	− 7	0	1.66
86162	17 36 26.41	+68 20 32.0	9.15	G	264.110 026 50	+68.342 227 17	220.85	−320.47	−1269.55	0.88	0.98	0.92	1.08	1.31	+ 8	− 2	− 9	−40	− 2	−18	− 5	−29	− 6	+21	0	2.38
86163	17 36 27.39	−33 29 35.8	10.01	2 H	264.114 144 60	−33.493 284 96	1.32	−0.92	−0.57	1.95	1.31	2.04	2.47	1.51	−12	−27	−25	+39	−29	+ 9	−22	+53	− 9	−34	0	−0.02
86164	17 36 27.70	+63 20 11.5	7.96	H	264.115 407 85	+63.336 541 40	2.59	−0.45	−15.45	0.63	0.65	0.68	0.63	0.71	− 5	−19	− 2	−25	− 7	+ 7	−10	−37	+ 3	−14	0	0.69
86165	17 36 29.43	+22 25 52.5	9.34	H	264.122 624 53	+22.431 248 01	1.41	−7.64	4.04	0.62	1.12	1.40	0.96	1.41	−27	+ 3	−15	+ 7	+34	− 9	+40	−33	+ 2	+ 8	0	1.29
86166 H	17 36 29.51	+45 43 13.8	8.59	G	264.122 942 02	+45.720 500 03 A	6.00	9.35	17.45	1.44	1.29	1.12	1.39	1.15	+16	− 9	−18	+36	+27	−16	+19	+12	+19	+17	0	0.15
86167	17 36 29.80	+68 29 20.2	7.29	1 H	264.124 161 82	+68.488 942 60	2.21	−11.67	−19.75	0.63	0.62	0.61	0.75	0.86	+19	+ 1	−10	−40	−12	−14	−15	−23	− 8	+30	2	1.05
86168	17 36 31.53	−53 21 23.7	11.47	2 H	264.131 361 81	−53.356 593 90	−10.55	−3.40	16.02	11.09	8.62	13.91	13.74	8.04	−35	−15	− 2	−42	+20	− 8	+22	−61	+12	− 8	0	
86169	17 36 31.74	+44 43 23.6	8.18	H	264.132 259 16	+44.723 226 26	8.48	−55.31	55.53	0.65	0.65	0.78	0.77	0.76	− 2	+ 9	−32	−20	+15	−31	+ 8	−15	+19	− 4	0	0.39
86170	17 36 32.85	−38 38 05.5	4.26	H	264.136 861 48	−38.634 865 21	22.64	−18.47	−182.29	1.28	0.84	0.94	3.43	2.42	+34	−30	− 5	+70	+31	+ 8	+25	+79	+10	+40	0	−1.49
86171	17 36 33.29	−16 37 42.6	8.92	H	264.138 693 47	−16.628 512 61	5.38	2.26	−1.68	1.59	0.85	1.75	1.68	0.97	− 8	−54	−13	+13	+11	−12	+ 1	− 9	+ 8	−31	0	1.83
86172	17 36 33.37	+13 15 33.6	7.00	H	264.139 035 77	+13.259 333 66	6.37	9.94	−46.76	0.67	0.56	0.79	0.71	0.61	− 3	− 2	− 7	+16	+37	+ 0	+38	+16	+ 6	+11	2	0.12
86173 H	17 36 33.92	+48 27 29.0	7.44	G	264.141 344 18	+48.458 059 11 A	18.54	103.34	−133.65	1.96	1.70	1.15	1.16	1.25	+22	− 7	− 8	+10	+ 2	+21	+ 7	+ 7	+22	+27	0	−0.02
86174 H	17 36 34.63	+07 22 31.2	8.08	H	264.144 290 36	+07.375 320 35 ∗	4.51	3.24	11.92	0.76	0.59	0.97	0.85	0.63	−12	−16	− 9	+21	+17	+15	+20	+33	−25	−11	0	0.07
86175	17 36 35.79	−75 25 55.8	8.17	H	264.149 113 56	−75.432 171 04	1.12	2.97	0.67	0.53	0.71	0.86	0.67	0.81	+ 5	−16	+12	−10	− 9	−13	− 2	+ 4	−13	− 8	0	0.04
86176	17 36 35.98	+16 23 52.9	7.69	H	264.149 903 82	+16.398 025 63	3.50	0.94	−15.36	0.77	0.79	1.16	0.81	0.83	+ 1	− 6	−39	+17	+25	+ 4	+30	+32	−15	+ 7	0	−1.32
86177	17 36 36.08	−47 07 46.8	8.81	H	264.150 322 22	−47.129 663 89	2.99	−7.01	−22.32	1.22	0.95	1.26	1.43	1.04	−21	−22	− 9	+44	−22	+15	−19	+61	−10	−16	0	−0.04
86178	17 36 36.73	+30 47 06.7	6.04	H	264.153 022 43	+30.785 192 55	15.07	30.58	−5.66	0.37	0.46	0.57	0.41	0.57	+10	−18	−17	+12	+ 3	−22	+ 0	−20	+ 4	+11	0	−3.04
86179	17 36 36.79	+13 48 47.8	6.84	H	264.153 285 83	+13.813 284 74	11.14	−0.12	4.41	0.66	0.58	0.86	0.67	0.62	+16	− 6	−25	+13	+42	− 2	+43	+34	−12	+28	0	−0.39
∗86180	17 36 36.86	−20 04 39.4	8.68	H	264.153 567 13	−20.077 608 00	7.20	−5.22	−56.07	1.24	0.79	1.34	1.54	0.93	+ 8	−17	− 5	+ 6	−26	−16	−22	+ 8	−14	−16	0	2.10
∗86181	17 36 36.85	−16 37 22.8	10.16	H	264.153 549 55	−16.623 010 96	5.21	1.96	−12.59	2.08	1.10	2.30	2.13	1.23	− 8	−54	−12	+11	+11	−14	+ 2	−10	+ 8	−29	0	−1.51
86182	17 36 37.63	+48 35 07.7	5.35	H	264.156 774 61	+48.585 478 66	9.91	31.75	64.13	0.45	0.44	0.49	0.50	0.53	+12	−19	−14	−17	− 5	− 7	− 8	−23	+15	+ 20	1	1.33
86183	17 36 39.07	+52 34 30.3	9.38	G	264.162 773 59	+52.575 073 95	7.44	−3.00	11.05	0.71	0.80	0.81	0.72	0.92	+ 0	− 5	− 5	+ 5	+ 6	− 1	+ 7	+ 7	+ 0	+ 1	1	0.11
86184	17 36 40.03	+69 34 16.5	6.33	H	264.166 796 86	+69.571 258 89	23.53	−53.74	−217.54	0.54	0.56	0.54	0.71	0.76	− 1	−15	+ 2	−36	+13	+ 8	+14	−39	−25	− 6	1	0.91
86185	17 36 40.35	+51 05 12.1	8.40	H	264.168 128 85	+51.086 697 68	2.15	7.52	2.26	0.65	0.70	0.70	0.78	0.88	+ 1	+ 4	− 2	+28	+17	+ 1	+18	+18	+ 3	− 1	0	1.08
86186	17 36 41.00	−09 13 42.3	9.62	H	264.170 820 14	−09.228 428 28	6.92	1.46	0.70	1.54	0.91	1.84	1.74	0.90	+20	−47	−30	+ 2	+22	−15	+16	−41	+ 1	+22	2	1.71
∗86187	17 36 42.09	+68 22 58.3	8.05	H	264.175 371 12	+68.382 860 31	11.30	4.93	83.50	0.65	0.71	0.68	0.78	0.95	+ 7	− 7	−11	−34	− 2	−14	− 4	−24	−11	+21	0	1.14
∗86188	17 36 41.99	−64 31 49.7	9.21	H	264.174 938 76	−64.530 470 37	2.28	9.95	−20.67	1.02	0.93	1.38	1.28	0.93	− 2	− 6	−15	+ 1	−29	+10	−22	+22	+12	−15	0	0.46
86189	17 36 42.41	+59 30 08.9	8.29	H	264.176 691 53	+59.502 459 00	11.49	−43.85	−89.78	0.61	0.65	0.65	0.70	0.87	+17	− 8	−12	+ 5	+ 2	+ 2	+ 3	− 6	+ 8	+23	0	0.53
86190	17 36 42.55	−09 49 55.7	8.68	H	264.177 293 44	−09.832 134 48	7.65	−7.45	−1.93	1.12	0.75	1.34	1.24	0.73	+12	−38	−32	− 5	+19	−20	+ 7	−40	+12	+ 6	0	0.82
86191	17 36 46.24	+50 59 04.3	8.06	H	264.192 679 88	+50.984 540 93	3.97	13.78	−1.87	0.55	0.62	0.62	0.63	0.76	−10	+ 3	− 5	+15	+ 3	− 1	+ 4	+13	+ 5	−13	0	1.26
86192	17 36 48.54	+72 03 16.9	7.64	H	264.202 248 20	+72.054 681 19	2.86	−5.12	11.15	0.53	0.58	0.60	0.56	0.73	+ 7	−12	+ 2	− 4	− 4	−17	− 2	+ 0	−19	+12	0	0.78
86193	17 36 50.29	+10 34 28.4	7.28	H	264.209 541 37	+10.574 553 82	27.26	−146.99	−8.83	0.71	0.55	0.86	0.74	0.58	+ 4	−24	+ 1	+27	+31	+17	+34	+30	−17	+ 4	0	0.56
86194	17 36 50.88	−73 44 47.5	8.89	H	264.212 007 20	−73.746 541 33	4.06	−1.64	−5.94	0.63	0.83	1.05	0.69	0.91	+ 1	− 5	−16	− 4	+ 2	−16	− 1	− 4	+ 4	+ 1	0	1.31
86195	17 36 51.16	−65 35 56.2	8.20	H	264.213 156 44	−65.598 949 77	1.27	6.32	−8.96	0.72	0.73	1.07	0.79	0.79	− 3	−27	−11	− 3	− 9	+17	− 9	+15	+10	− 2	0	−0.92
86196 H	17 36 52.79	−17 57 11.9	9.21	H	264.219 943 37	−17.953 307 87 A	5.49	3.30	−14.21	4.69	3.11	2.13	2.91	1.58	−14	−27	− 3	+ 4	−15	− 7	−23	− 7	+ 6	−11	2	−0.36
86197	17 36 53.62	−34 02 36.8	11.15	G	264.223 430 16	−34.043 545 23	−1.34	−4.67	2.03	2.11	1.41	2.24	2.67	1.65	−11	−34	+ 0	+26	−24	−10	−18	+45	− 4	−16	0	−1.14
86198	17 36 54.96	+10 02 23.5	7.97	H	264.228 980 87	+10.039 855 75	3.47	−7.28	−10.79	0.72	0.59	0.92	0.79	0.63	+ 0	−21	− 5	+15	+28	+18	+30	+29	−18	+ 9	0	0.84
86199	17 36 55.77	+

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
86101	7.748	0.006	6.634	0.005		0.960	0.006	T	0.95	0.01	L	6.6829	0.0007	0.007	99		6.67	6.70		D			1							S
86102	7.954	0.010	7.723	0.011		0.220	0.014	T	0.24	0.02	L	7.7832	0.0014	0.009	82		7.76	7.80		C			1							S
86103	8.194	0.009	8.148	0.011		0.047	0.013	T	0.06	0.01	L	8.1708	0.0016	0.017	76		8.15	8.20					1							S
86104	10.906	0.073	8.902	0.023		0.848	0.133	G	1.77	0.09	S	8.8135	0.0055	0.029	62		8.77	8.85		R			1 S							
86105	9.046	0.012	7.628	0.007		1.198	0.011	T	1.16	0.01	L	7.6517	0.0015	0.012	116		7.63	7.67					1							S
86106	7.583	0.007	7.500	0.007	*	0.067	0.015	G	0.08	0.02	H *	7.5791	0.0013	0.010	124	*	7.56	7.60		D	17358+0100	I 1	2 C A	AB	78	2.990	0.003	0.17	0.01	S
86107	8.957	0.014	6.967	0.006		1.630	0.020	G	1.64	0.09	H	6.8674	0.0025	0.020	77		6.83	6.90		U 2			1							S
86108	9.989	0.024	9.235	0.020		0.689	0.025	T	0.75	0.02	L	9.3315	0.0015	0.016	102		9.31	9.36					1							
86109	10.669	0.038	9.229	0.019		1.215	0.033	T	1.17	0.03	L	9.2736	0.0024	0.018	101		9.25	9.30		C			1							
86110	10.715	0.052	9.683	0.034		1.071	0.015	G	1.04	0.01	I	9.7929	0.0028	0.020	81		9.76	9.82		C			1							G
86111	8.489	0.011	8.102	0.011		0.366	0.014	T	0.43	0.01	L	8.1500	0.0013	0.010	110		8.13	8.18		C	17359−0411	I 1	1							S
86112	9.844	0.018	8.700	0.012		0.983	0.017	T	0.96	0.01	L	8.7552	0.0021	0.016	125		8.72	8.78					1							
86113	9.446	0.015	8.689	0.012		0.676	0.015	T	0.74	0.01	L	8.7495	0.0014	0.016	134		8.72	8.78					1							
86114	8.545	0.011	8.058	0.011		0.458	0.014	T	0.53	0.01	L	8.1370	0.0012	0.012	99		8.12	8.15		C			1							S
86115	8.631	0.014	8.565	0.018		0.084	0.002	G	0.10	0.00	H	8.5668	0.0024	0.018	75		8.54	8.60					1							
86116	10.016	0.026	9.532	0.025		0.456	0.033	T	0.53	0.04	L	9.5662	0.0027	0.022	90		9.52	9.60					1							
86117			8.573	0.015		1.045	0.150	G	1.54	0.02	A	7.8569	0.0021	0.010	56		7.84	7.88		C			1							
86118	6.317	0.004	6.123	0.004	A	0.184	0.000	G	0.20	0.00	H	6.1662	0.0043	0.011	87	A	6.15	6.18			17360+2100	I 1	2 C A	AB	22	10.359	0.017	3.56	0.11	S
86119	7.279	0.009	6.966	0.010		0.273	0.002	G	0.31	0.00	H	7.0205	0.0012	0.009	55		7.00	7.04					1							S
86120	11.431	0.062	10.295	0.038		0.977	0.057	T	0.96	0.05	L	10.3921	0.0027	0.030	123		10.30	10.45		C			1							G
86121	10.434	0.033	9.850	0.031		0.547	0.033	T	0.62	0.03	L	9.9175	0.0040	0.028	100		9.87	9.97					1							G
86122	11.118	0.043	9.245	0.015		1.589	0.038	T	1.94	0.10	O	9.1378	0.0024	0.027	167		9.10	9.19					1							
86123	9.172	0.015	7.402	0.007		1.475	0.013	T	1.49	0.02	L	7.4055	0.0014	0.010	84		7.39	7.42		C			1							S
86124	10.009	0.041	9.522	0.042		0.470	0.045	T	0.54	0.05	L	9.5241	0.0034	0.024	59		9.48	9.56		C			1							
86125	9.730	0.021	8.067	0.010		1.390	0.018	T	1.36	0.02	L	8.0797	0.0015	0.014	116		8.06	8.11					1							
86126	8.431	0.015	8.389	0.019		0.043	0.022	T	0.06	0.02	L	8.3942	0.0021	0.013	57		8.36	8.42		C			1							
86127	10.320	0.042	9.499	0.034		0.724	0.041	T	0.78	0.03	L	9.5035	0.0032	0.023	61		9.46	9.54					1							
86128	8.391	0.006	7.158	0.004		1.053	0.006	T	1.02	0.01	L	7.2216	0.0008	0.011	278		7.20	7.24					1							S
86129	9.491	0.013	8.980	0.013		0.490	0.014	T	0.56	0.01	L	9.0427	0.0021	0.023	164		9.01	9.09					1							
86130	8.192	0.007	6.559	0.004		1.367	0.006	T	1.34	0.01	L	6.5527	0.0008	0.009	118		6.54	6.57		C			1							S
86131											T	11.3471	0.0058	0.042	103		11.29	11.41		C			1							G
86132	9.560	0.025	9.091	0.026		0.442	0.033	T	0.51	0.04	L	9.1374	0.0017	0.019	53		9.11	9.16					1							
86133	10.533	0.031	8.581	0.012		1.619	0.026	T	1.64	0.03	L	8.4835	0.0029	0.024	116		8.45	8.52		U			1							
86134	9.277	0.023	8.682	0.021		0.555	0.023	T	0.63	0.02	L	8.7547	0.0020	0.017	60		8.72	8.78		C			1							
86135	9.622	0.017	8.798	0.014		0.727	0.017	T	0.78	0.01	L	8.8587	0.0013	0.013	116		8.83	8.89					1							
86136						1.180	0.020	G	1.14	0.02	I	11.7919	0.0074	0.053	96		11.69	11.90					1							G
86137	8.447	0.012	7.879	0.010		0.561	0.015	G	0.63	0.01	H	7.9290	0.0015	0.011	100		7.91	7.94		C			1							S
86138						1.972	0.400	G	2.31	0.29	S	11.1833	0.0057	0.044	65		11.08	11.27		R			1							G
86139	9.391	0.025	8.091	0.015		1.185	0.005	G	1.15	0.01	I	8.1160	0.0014	0.011	68		8.10	8.14		C			1							
86140	10.378	0.041	9.033	0.023		1.200	0.015	G	1.16	0.01	I	9.0701	0.0022	0.016	74		9.05	9.09		C			1							
86141	9.958	0.022	8.704	0.014		1.089	0.011	G	1.16	0.02	I	8.6845	0.0012	0.013	110		8.66	8.70					1							
86142	8.183	0.013	7.577	0.012	*	0.563	0.013	T	0.64	0.01	L *	7.5933	0.0018	0.010	67	*	7.57	7.61		D	17362−1752	H 1	2 C A	AB	84	0.449	0.019	2.41	0.09	S
86143	8.476	0.009	7.487	0.007		0.866	0.008	T	0.88	0.01	L	7.5293	0.0009	0.008	103		7.52	7.55		C			1							S
86144	9.838	0.022	8.719	0.015		0.964	0.021	T	0.95	0.02	L	8.7646	0.0019	0.018	96		8.74	8.79		C			1							
86145	9.352	0.015	8.112	0.010		1.058	0.014	T	1.02	0.01	L	8.1478	0.0013	0.014	137		8.12	8.18		C			1							
86146	9.304	0.022	8.510	0.018		0.780	0.015	G	0.82	0.01	H	8.5039	0.0030	0.021	69		8.47	8.53					1							
86147	7.436	0.005	7.470	0.005		−0.028	0.006	T	−0.01	0.01	L	7.4873	0.0012	0.014	193		7.47	7.51					1							S
86148	7.700	0.007	7.553	0.009		0.141	0.011	T	0.16	0.01	L	7.5810	0.0011	0.009	107		7.56	7.60					1							S
86149	10.280	0.045	9.761	0.047	A	0.650	0.015	G	0.71	0.01	H *	9.5880	0.0061	0.039	72	*	9.53	9.67		U 2	17363−2834	I 1	2 C A	AB	59	1.608	0.018	1.84	0.06	G
86150	10.219	0.029	9.829	0.031		0.369	0.039	T	0.43	0.04	L	9.9352	0.0019	0.024	107		9.88	9.97					1							
86151	10.169	0.028	9.054	0.018		0.961	0.026	T	0.95	0.02	L	9.1083	0.0020	0.021	122		9.07	9.15		C			1							
86152	10.074	0.023	8.690	0.012		1.171	0.020	T	1.13	0.02	L	8.7059	0.0018	0.016	132		8.68	8.73					1							
86153	8.350	0.010	6.582	0.006		1.586	0.018	G	2.34	0.03	G	6.4145	0.0083	0.062	140		6.33	6.51		U 2			1 S							S P
86154	9.058	0.015	8.090	0.011		0.850	0.014	T	0.86	0.01	L	8.1540	0.0015	0.014	99		8.13	8.18					1							S
86155	10.139	0.023	8.901	0.014		1.057	0.021	T	1.02	0.02	L	8.9329	0.0014	0.014	109		8.89	8.97					1							
86156	10.902	0.078	10.560	0.097		0.584	0.107	G	0.66	0.10	R	10.4889	0.0048	0.036	58		10.35	10.54		C			1							G
86157	10.273	0.038	9.635	0.034							T	9.6605	0.0033	0.019	67		9.62	9.72		C			1							S
86158	10.988	0.070	8.718	0.019		1.873	0.058	T	1.91	0.06	L	8.5191	0.0023	0.017	80		8.49	8.55					1							
86159	11.905	0.114	9.666	0.026		1.848	0.094	T	1.88	0.10	L	9.5166	0.0021	0.024	110		9.48	9.56					1							
86160	8.856	0.009	7.475	0.005		1.169	0.008	T	1.13	0.01	L	7.5143	0.0011	0.011	169		7.49	7.54					1							S
86161	11.158	0.048	9.642	0.021		1.274	0.041	T	1.23	0.04	L	9.6483	0.0021	0.019	138		9.62	9.68		C			1 S							
86162	11.092	0.072	9.392	0.029		1.505	0.013	G	2.11	0.10	I	9.1467	0.0029	0.017	87		9.12	9.17			17366+6822	I 2	1							
86163	12.106	0.250	10.358	0.079		1.241	0.063	G	1.20	0.06	I	10.1718	0.0057	0.123	66		10.09	10.53		U 2 C			1 S							G P
86164	8.153	0.010	7.973	0.011		0.188	0.015	G	0.21	0.02	H	8.0228	0.0021	0.015	97		8.00	8.05					1							S
86165	11.287	0.044	9.508	0.016		1.482	0.037	T	1.50	0.06	L	9.4650	0.0019	0.023	192		9.43	9.51												
86166	9.131	0.014	8.652	0.014	*	0.478	0.015	G	0.55	0.02	H *	8.6931	0.0019	0.017	109	*	8.66	8.73		D	17365+4543	M 1	2 C A	AB	255	0.441	0.006	1.83	0.04	
86167	9.425	0.021	7.501	0.009		1.597	0.018	T	1.62	0.02	L	7.4025	0.0016	0.014	87		7.38	7.43		M			1							S
86168	11.604	0.095	11.183	0.108		0.411	0.118	T	0.48	0.13	L	11.6082	0.0087	0.081	137		11.48	11.72		U			1 X S							G
86169	9.420	0.016	8.291	0.011		0.972	0.015	T	0.96	0.01	L	8.3450	0.0016	0.015	107		8.32	8.37					1							S
86170	5.662	0.004	4.387	0.003		1.075	0.038	G	1.09	0.02	A	4.4270	0.0004	0.004	61		4.42	4.44		C			1 G							S
86171	10.387	0.070	9.097	0.040		1.097	0.063	T	1.06	0.07	L	9.0847	0.0027	0.016	59		9.04	9.11					1 S							
86172	8.498	0.012	7.139	0.004		1.151	0.010	T	1.11	0.01	L	7.1674	0.0013	0.009	83		7.15	7.18					1							S
86173	8.042	0.009	7.505	0.008	*	0.549	0.015	G	0.62	0.01	H *	7.5505	0.0012	0.011	111	*	7.54	7.58		D	17366+4827	M 1	2 C A	AB	14	0.362	0.008	1.92	0.05	S
86174	8.432	0.009	8.110	0.009	*	0.306	0.012	T	0.35	0.02	L *	8.1586	0.0014	0.013	110	*	8.14	8.18		C	17366+0722	I 1	2 C S A	BA	355	0.136	0.006	0.75	0.31	S
86175	10.282	0.023	8.372	0.009		1.586	0.020	T	1.61	0.02	L	8.2849	0.0013	0.018	158		8.25	8.32					1							
86176	7.935	0.008	7.730	0.010		0.196	0.012	T	0.21	0.01	L	7.7516	0.0013	0.012	74		7.72	7.78		C			1							S
86177	9.210	0.023	8.878	0.025		0.315	0.032	T	0.36	0.04	L	8.8856	0.0016	0.016	60		8.87	8.91					1							
86178	6.240	0.003	6.067	0.003		0.158	0.004	T	0.17	0.00	L	6.0964	0.0008	0.007	148		6.08	6.11		C			1							S
86179	7.085	0.006	6.866	0.006		0.209	0.008	T	0.23	0.01	L	6.9098	0.0013	0.010	91		6.89	6.93					1							S
86180	9.234	0.026	8.757	0.026		0.462	0.029	T	0.53	0.03	L	8.7803	0.0031	0.018	59		8.76	8.82					1							
86181	11.096	0.106	10.497	0.109		0.558	0.112	T	0.63	0.10	L	10.2761	0.0047	0.028	55		10.23	10.32		C			1							G
86182	6.831	0.005	5.484	0.003		1.142	0.005	T	1.11	0.01	L	5.5199	0.0007	0.006	121		5.51	5.53		C			1							S
86183	9.778	0.022	9.368	0.022		0.330	0.015	G	0.38	0.02	H	9.4561	0.0025	0.020	114		9.42	9.49		C			1							
86184	7.063	0.006	6.412	0.004		0.596	0.005	T	0.67	0.01	L	6.4609	0.0006	0.006	98		6.45	6.47					1 G							S
86185	9.611	0.017	8.517	0.012		0.945	0.016	T	0.94	0.01	L	8.5633	0.0015	0.015	117		8.54	8.59		C			1							
86186	10.135	0.025	9.684	0.026		0.425	0.033	T	0.49	0.04	L	9.7136	0.0027	0.022	90		9.68	9.74		C			1							G
86187	8.556	0.013	8.088	0.012		0.441	0.016	T	0.51	0.02	L	8.1470	0.0015	0.013	91		8.13	8.17			17366+6822	I 2	1							S
86188	10.084	0.026	9.275	0.021		0.731	0.026	T	0.78	0.02	L	9.3531	0.0019	0.016	97		9.32	9.39		C			1							
86189	8.970	0.012	8.364	0.011		0.565	0.014	T	0.64	0.01	L	8.4147	0.0016	0.014	111		8.39	8.45		C			1							
86190	9.329	0.019	8.729	0.017		0.560	0.022	T	0.63	0.02	L	8.7998	0.0020	0.015	82		8.77	8.84					1							
86191	8.449	0.009	8.082	0.009		0.348	0.012	T	0.41	0.02	L	8.1452	0.0012	0.013	118		8.12	8.17		C			1							S
86192	7.617	0.006	7.637	0.008		−0.014	0.009	T	0.01	0.01	L	7.6499	0.0011	0.009	119		7.63	7.67					1							S
86193	8.117	0.009	7.357	0.007		0.693	0.009	T	0.75	0.01	L	7.4181	0.0009	0.009	97		7.40	7.44		C	17368+1034	I 1	1							S
86194	10.141	0.020	8.995	0.012		0.985	0.018	T	0.97	0.01	L	9.0574	0.0021	0.024	195		9.02	9.10					1							
86195	10.044	0.023	8.360	0.011		1.407	0.020	T	1.39	0.02	L	8.3392	0.0019	0.019	120		8.31	8.37		C			1							
86196	9.800	0.032	9.315	0.033	*	0.469	0.035	T	0.54	0.04	L *	9.3085	0.0038	0.022	68	*	9.28	9.36		D	17369−1757	H 1	2 C A	AB	139	0.301	0.022	1.84	0.11	
86197						0.680	0.040	G	0.74	0.03	R	10.9863	0.0055	0.039	63		10.87	11.03					1 S							G
86198	8.017	0.007	7.978	0.010		0.041	0.011	T	0.06	0.01	L	7.9954	0.0012	0.012	102		7.97	8.02		C			1							S
86199	9.459	0.016	8.586	0.012		0.764	0.015	T	0.80	0.01	L	8.6411	0.0019	0.019	111		8.61	8.68		C			1							
86200	7.740	0.005	7.690	0.007		0.051	0.008	T	0.06	0.01	L	7.7111	0.0018	0.018	168		7.68	7.74		U 2			1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)											Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ $\alpha*$	$\mu_{\alpha*}$ δ	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr													%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
*86201	17 36 57.09	+68 45 25.9	4.77	H	264.237 874 72	+68.757 189 33		42.62	1.34	321.05	0.52	0.49	0.53	0.59	0.62	+17	− 8	− 8	−37	− 7	−19	−10	−19	−20	+34	1	−1.31
*86202	17 36 57.07	+50 07 14.8	9.10	H	264.237 808 87	+50.120 790 12		5.19	17.63	35.92	0.69	0.73	0.78	0.74	0.87	+ 9	−12	− 5	+16	+10	+ 6	+ 8	+13	+21	+17	0	−0.82
86203	17 36 57.48	−39 40 06.5	7.92	1 H	264.239 518 10	−39.668 466 50		2.89	0.33	−3.01	0.92	0.67	0.99	1.09	0.74	− 7	−20	−12	+31	−25	+ 6	−20	+46	− 9	−18	0	1.86
86204	17 36 58.28	+26 45 34.2	9.39	H	264.242 826 66	+26.759 486 41		2.55	0.61	−1.12	0.77	1.12	1.30	0.93	1.42	+11	−22	+ 4	− 5	−12	−11	−12	−11	+ 2	+23	0	1.39
86205	17 36 58.36	+29 52 54.5	8.35	H	264.243 182 97	+29.881 815 38		2.03	2.30	4.17	0.64	0.82	0.96	0.70	1.06	+ 8	−12	−25	− 6	+ 7	+ 0	+ 7	−24	+21	+11	0	−1.13
86206	17 36 58.46	+24 31 57.9	7.90	H	264.243 567 10	+24.532 744 66		4.85	−13.41	23.77	0.42	0.69	0.93	0.50	0.88	+ 9	− 9	−17	−14	+ 1	+ 3	+ 0	−12	+17	+12	0	−0.39
86207	17 36 58.59	+16 10 38.1	9.13	H	264.244 117 64	+16.177 261 39		2.48	8.13	−2.68	1.07	1.05	1.53	1.11	1.13	− 5	+12	−39	+22	+17	+21	+30	+28	− 7	+ 3	0	1.40
86208	17 37 01.69	−18 59 30.9	7.45	H	264.257 047 10	−18.991 922 92		8.43	−105.09	−63.97	0.92	0.57	0.96	0.99	0.63	+ 3	−36	−14	+11	−42	− 8	−34	+24	− 7	−33	0	−1.40
86209	17 37 01.76	+51 40 59.6	9.51	H	264.257 344 80	+51.683 228 13		8.35	−26.67	57.10	0.86	0.86	0.92	0.97	1.00	+ 8	− 2	−13	+ 9	+ 8	− 1	+ 8	− 7	+ 8	+11	0	0.72
86210	17 37 02.06	−82 25 49.5	8.01	H	264.258 579 63	−82.430 427 77		1.89	−0.74	−12.37	0.63	0.66	0.81	0.66	0.82	− 3	−26	+ 9	+ 4	−15	−21	−18	+ 3	+11	+ 3	1	−0.46
86211	17 37 02.38	+14 51 06.0	7.58	H	264.259 931 90	+14.851 670 03		2.14	7.19	13.45	0.69	0.69	0.94	0.64	0.73	+10	−28	−24	+22	+38	+ 1	+43	+40	−12	+14	0	0.30
86212	17 37 03.16	+11 39 19.1	7.99	H	264.263 171 03	+11.655 313 05		2.83	−1.81	−7.73	0.90	0.71	1.03	0.88	0.73	+27	−26	−17	+30	+53	− 7	+53	+43	−12	+36	0	2.22
86213	17 37 03.73	−20 42 33.4	9.95	H	264.265 548 03	−20.709 280 33		6.27	−28.01	−14.44	1.56	1.08	1.64	2.03	1.43	−20	−31	−15	+20	−20	− 1	−21	+16	+ 6	−44	0	−1.05
86214	17 37 04.24	−44 19 01.0	10.94	G	264.267 668 24	−44.316 935 42		198.32	−710.11	−937.99	2.16	1.74	2.43	2.83	2.10	+ 1	−24	−14	+21	−11	+ 0	−13	+51	− 2	+12	0	0.77
86215	17 37 04.39	+20 15 31.7	7.80	H	264.268 309 36	+20.258 818 60		8.88	4.74	19.55	0.68	0.71	0.99	0.98	0.96	+ 6	−15	−21	+25	+19	+ 7	+14	+ 7	+ 8	−19	0	−2.09
86216 H	17 37 04.62	+67 07 09.5	7.93	H	264.269 259 71	+67.119 293 60	A	6.27	13.29	−15.19	1.35	1.31	1.05	1.16	1.14	+ 2	−18	− 6	−14	− 9	+ 9	− 6	−22	− 2	+17	3	−0.25
86217	17 37 06.90	+19 19 49.8	8.73	H	264.278 753 86	+19.330 504 68		3.09	−4.25	14.22	0.79	0.84	1.22	1.19	1.04	+ 5	−15	−24	+22	+ 5	+14	+ 7	+21	− 9	−16	3	−1.29
86218	17 37 07.62	+33 44 47.8	8.59	G	264.281 759 15	+33.746 606 87		9.95	6.28	−4.57	0.61	0.66	0.82	0.75	1.03	+ 5	− 6	+ 4	+23	− 4	−10	− 3	− 4	− 2	+11	1	0.02
86219	17 37 08.84	+72 27 20.7	5.87	H	264.286 821 50	+72.455 756 93		10.17	24.06	15.34	0.44	0.43	0.50	0.49	0.61	+ 8	− 9	+ 6	− 7	+ 0	−10	+ 3	− 7	−31	+ 3	0	−0.33
86220	17 37 10.32	−67 35 15.3	8.69	H	264.292 998 20	−67.587 570 28		2.23	8.09	−11.76	0.67	0.76	1.16	0.96	0.83	−10	+ 1	−21	+43	−31	+ 5	−24	+37	−18	−12	0	−1.72
86221 H	17 37 10.83	+27 53 45.1	9.25	G	264.295 111 55	+27.895 853 13	*	32.05	−96.79	249.98	2.90	5.86	2.28	2.57	3.46	+48	− 6	− 3	−32	−56	+ 0	+16	+25	+ 1	− 2	2	0.91
86222	17 37 13.20	−14 00 03.8	7.93	H	264.304 999 02	−14.001 066 41		11.86	12.31	−15.23	0.98	0.64	1.07	0.99	0.72	− 2	−38	−14	+ 0	−20	+ 2	−17	− 6	−12	−42	0	−0.34
86223 H	17 37 13.40	−31 23 08.9	9.51	G	264.305 838 42	−31.385 817 33	*	0.81	−1.34	−7.23	3.47	2.19	2.03	2.27	1.38	− 2	−31	− 6	+14	−17	−11	−11	+40	+ 0	−14	0	−0.09
86224	17 37 14.28	+55 44 27.5	7.03	H	264.309 489 48	+55.740 971 89		6.13	−52.75	37.47	0.53	0.54	0.54	0.54	0.61	+ 5	− 4	−10	+29	+18	+ 0	+21	− 1	+ 0	+11	0	0.49
86225	17 37 14.48	+06 26 31.8	8.45	G	264.310 331 18	+06.442 178 86		7.87	−6.17	−29.36	0.99	0.65	1.25	0.94	0.68	+14	−44	− 5	+19	+45	− 9	+49	+40	−36	+28	0	−0.23
86226	17 37 16.09	−24 35 36.1	8.72	G	264.317 058 08	−24.593 353 53		14.37	56.45	48.85	1.17	0.70	1.26	1.23	0.70	− 8	−40	−15	+19	−34	− 6	−19	+62	−14	−26	0	2.70
86227 H	17 37 16.72	−49 14 41.8	6.92	H	264.319 666 52	−49.244 956 97	A	3.25	1.46	−13.54	1.39	0.96	1.37	1.29	0.92	+17	−39	−27	+20	− 3	−13	− 3	+42	−10	−14	0	0.58
86228 H	17 37 19.13	−42 59 52.2	1.86	G	264.329 690 72	−42.997 821 55	A	11.99	6.06	−0.95	0.78	0.68	0.84	1.03	0.78	− 5	−14	−15	+20	−18	−10	−14	+35	−13	+19	13	2.12
86229	17 37 19.19	+31 11 26.4	8.37	H	264.329 966 40	+31.190 664 56		13.50	8.01	31.12	0.56	0.73	0.91	0.64	0.93	+11	−23	−14	+19	+ 2	−30	− 5	−16	+10	+ 6	0	−0.62
86230 T	17 37 19.20	−40 19 01.5	10.76	H	264.329 990 10	−40.317 085 48	B	2.44	−3.17	0.51	88.54	62.48	2.33	3.46	2.19	−66	+ 0	+ 0	+ 1	− 1	+ 5	− 1	+ 1	−14	−25	0	−0.89
86231	17 37 19.74	−40 19 12.4	7.78	G	264.332 246 37	−40.320 115 50	A	2.44	−3.17	0.51	3.01	2.17	2.33	3.46	2.19	−21	−14	−11	+29	−38	+ 5	−32	+35	−14	−25	0	−0.89
86232	17 37 20.69	−02 52 26.3	7.43	H	264.336 217 45	−02.873 975 92		13.40	31.51	78.47	0.79	0.48	0.87	1.11	0.48	− 9	−11	−18	−11	+26	− 5	+22	+25	− 5	−21	2	0.08
86233	17 37 20.83	−63 46 07.6	9.40	H	264.336 805 17	−63.768 782 32		5.63	−2.33	−10.55	0.86	0.81	1.34	0.98	0.91	+18	−20	−17	−26	− 1	+25	− 5	+ 2	+24	+29	0	1.25
86234	17 37 20.89	+35 47 56.5	7.56	H	264.337 024 94	+35.799 038 15		15.78	7.03	29.58	0.54	0.55	0.66	0.62	0.69	+ 2	− 6	− 5	+ 7	+ 8	−20	+13	−31	+ 3	+15	0	−0.46
86235	17 37 22.28	+11 18 25.0	8.43	G	264.342 842 06	+11.306 932 23		6.66	−3.04	8.00	0.81	0.69	0.98	0.84	0.70	− 2	−22	+ 2	+27	+37	+ 5	+34	+32	− 2	+ 6	0	0.19
*86236	17 37 22.63	−41 42 00.8	9.29	H	264.344 275 80	−41.700 232 22		4.34	−3.08	−27.84	1.37	1.02	1.50	1.66	1.22	+ 4	−33	−10	+23	− 2	+ 4	− 3	+45	+ 4	+ 4	0	1.06
*86237	17 37 22.61	−51 10 12.2	8.53	H	264.344 199 57	−51.170 047 85		13.89	16.20	−56.07	0.96	0.60	1.10	1.07	0.62	−10	−39	− 4	+24	− 4	− 4	+ 3	+13	−14	− 1	0	2.28
86238 H	17 37 22.74	−35 43 34.0	8.29	H	264.344 758 85	−35.726 114 98	*	1.84	−0.79	−2.81	1.97	3.65	1.84	2.01	1.37	−25	− 6	−38	+31	−34	+ 6	−27	+48	−26	− 3	1	−0.77
86239	17 37 22.93	+41 56 34.0	9.00	H	264.345 547 79	+41.942 784 84		11.15	−4.82	40.98	0.74	0.79	0.90	0.81	0.96	− 6	+ 6	−16	+ 7	+ 7	− 8	+ 8	− 8	+19	− 4	0	−0.57
86240	17 37 23.94	−08 02 12.4	7.83	H	264.349 743 80	−08.036 783 01		6.74	−11.48	−21.40	0.90	0.59	1.05	0.95	0.59	+ 8	−18	−17	−11	+29	− 7	+20	−49	+19	− 3	2	1.71
86241	17 37 25.08	+50 40 06.9	8.32	H	264.354 484 18	+50.668 581 44		1.66	4.92	−31.48	0.61	0.68	0.70	0.65	0.82	− 2	− 8	−11	+10	+ 6	− 3	+ 7	+11	+ 3	− 8	3	1.38
86242	17 37 25.32	−66 31 18.4	7.55	H	264.355 490 60	−66.521 771 76		4.51	−37.14	−1.40	0.49	0.55	0.86	0.67	0.66	+ 6	−11	− 3	+35	−15	+ 2	−12	+39	+ 6	+11	0	−1.30
86243	17 37 26.27	−45 48 47.9	9.38	G	264.359 461 28	−45.813 319 17		0.63	−0.28	−5.12	2.16	1.51	2.08	2.61	1.95	−46	−40	− 8	+69	−54	−21	−63	+73	+14	−57	0	1.08
86244	17 37 26.38	−32 11 04.9	9.31	G	264.359 910 92	−32.184 700 09		11.63	−15.33	−39.04	1.58	1.01	1.88	1.87	1.12	+12	−48	−32	+25	+ 7	−21	+ 1	+38	− 2	− 3	0	−0.14
86245	17 37 26.85	+22 21 11.4	8.38	H	264.361 865 64	+22.353 178 82		17.27	−11.48	48.79	0.59	0.79	1.18	0.81	1.00	− 3	−23	−10	+ 3	+34	− 6	+32	− 6	+ 0	+15	1	0.61
86246	17 37 26.92	−38 03 58.9	6.26	H	264.362 159 23	−38.066 357 38		1.15	0.16	− 2.76	0.95	0.68	0.95	1.50	0.89	− 8	+ 2	−25	+53	− 1	− 3	− 6	+41	+18	−27	0	−0.80
*86247 H	17 37 27.39	−49 24 33.0	8.97	H	264.364 139 82	−49.409 166 47	A	11.05	−14.13	−226.10	2.64	1.80	2.59	2.49	1.73	+ 7	−45	−16	+20	−18	− 4	− 5	+45	−12	−20	1	0.68
*86248	17 37 27.31	−50 03 34.1	5.89	H	264.363 799 30	−50.059 484 78		9.43	0.84	−89.48	0.86	0.60	0.88	0.88	0.62	−29	−43	− 7	+31	−45	− 4	−31	+46	−14	−51	0	−0.82
86249	17 37 27.56	−52 59 14.0	8.97	H	264.364 842 99	−52.987 217 50		1.35	−0.08	− 9.40	1.10	0.73	1.42	1.33	0.70	−21	−29	+12	− 4	+15	− 1	+16	−30	+ 7	+ 6	0	0.47
86250	17 37 28.31	−44 09 22.2	8.61	H	264.367 977 70	−44.156 179 04		5.61	19.69	− 9.92	1.11	0.95	1.24	1.52	1.15	+10	− 5	+ 4	+26	+ 3	− 9	+ 1	+53	+ 4	+20	0	−0.24
86251	17 37 28.73	+45 13 10.3	8.11	H	264.369 720 33	+45.219 541 09		3.70	−3.08	4.76	0.62	0.70	0.78	0.79	0.80	+ 1	+ 3	−15	−12	+ 9	−31	+ 5	−11	+17	+ 7	0	1.21
86252	17 37 29.59	+20 35 46.0	7.68	H	264.373 281 09	+20.596 101 42		12.46	−17.38	−25.30	0.67	0.69	1.00	0.96	0.91	−10	−19	−21	+11	+ 7	+ 8	+10	+16	−11	−28	0	−1.79
86253	17 37 30.91	−35 19 59.0	8.16	2 H	264.378 810 60	−35.333 065 15		2.66	−1.72	− 0.93	1.19	0.84	1.35	1.46	0.96	+ 8	−36	−43	+39	−11	+ 9	+ 2	+55	−24	−16	0	−2.27
86254	17 37 31.10	+24 18 35.9	5.76	H	264.379 577 47	+24.309 968 90		13.59	− 6.19	9.29	0.32	0.48	0.66	0.38	0.59	+ 4	−11	−17	−10	+ 6	+ 0	+ 3	−15	+24	+18	1	−1.05
86255	17 37 31.53	−52 40 12.4	8.69	H	264.381 390 49	−52.670 110 44		1.34	−1.58	− 0.95	0.98	0.67	1.24	1.17	0.65	−26	−19	+12	+ 5	+ 0	− 2	+ 5	−15	+ 5	+ 4	3	0.38
86256	17 37 32.28	−34 38 46.2	8.50	H	264.384 507 87	−34.646 162 60		1.05	0.42	−19.99	1.60	0.94	1.35	1.73	1.16	−17	−43	− 1	+51	−28	−14	−27	+68	+ 8	−26	0	−0.55
86257	17 37 32.69	−66 34 10.7	10.80	H																							
86258	17 37 33.31	+23 06 26.2	8.63	G	264.388 781 68	+23.107 280 14		3.84	−0.42	− 0.02	0.80	1.15	1.36	0.82	1.58	+13	−23	−23	+ 1	+21	+ 9	+22	−34	+ 1	−13	6	2.46
86259 H	17 37 33.50	−01 01 59.2	8.45	H	264.389 588 40	−01.033 109 37	A	3.45	−11.64	− 0.40	1.45	0.75	1.47	1.41	0.67	+15	−39	−12	+ 9	+37	−30	+38	+45	−23	+18	2	−0.45
86260	17 37 33.74	−29 45 25.2	11.42	2 H	264.390 593 53	−29.757 004 95		−0.38	2.54	− 3.02	5.74	3.99	6.24	6.85	4.22	−21	−19	−15	+18	−32	− 6	−27	+50	− 8	−31	0	
86261	17 37 34.45	+23 06 36.7	9.67	H																							
86262	17 37 34.81	+37 08 25.7	9.81	H	264.395 035 17	+37.140 460 51		6.14	−13.28	− 3.76	1.71	2.04	2.19	1.95	2.47	+ 6	− 3	−14	+ 0	+ 9	− 2	+14	−32	+11	+20	0	
86263	17 37 35.23	−15 23 54.3	3.54	H	264.396 771 81	−15.398 408 35		30.93	−39.30	−61.27	0.97	0.61	1.03	1.39	0.80	−31	−36	−19	−21	+27	−15	+14	−32	+21	−52	3	−0.61
86264	17 37 35.70	+53 10 20.8	9.25	H	264.398 749 44	+53.172 453 74		2.33	0.15	4.47	0.85	0.85	0.92	1.05	1.08	+ 0	+12	−16	+23	+12	−18	+ 9	+ 3	+ 3	− 3	0	2.11
86265	17 37 36.14	−26 47 52.6	9.80	G	264.400 576 20	−26.797 946 20		2.39	−32.19	−37.88	1.87	1.42	1.85	2.17	1.37	−48	−20	−26	+46	−65	+12	−51	+83	−33	−55	0	0.37
86266	17 37 36.20	−15 34 15.7	5.94	H	264.400 851 42	−15.571 036 56		1.22	0.99	− 0.64	0.92	0.60	0.99	1.33	0.78	−28	−36	−20	−15	+24	−10	+12	−28	+20	−48	0	−0.15
86267	17 37 36.68	+79 12 47.6	7.38	H	264.402 824 45	+79.213 212 64		6.99	19.05	33.45	0.51	0.47	0.52	0.54	0.59	+ 6	−29	− 8	−17	+ 6	+ 5	+ 5	+ 9	+ 1	+11	0	−0.79
86268	17 37 37.50	−71 20 41.0	8.62	H	264.406 240 35	−71.344 719 97		2.42	23.43	−26.27	0.55	0.75	1.06	0.64	0.89	+ 3	−19	+ 0	+ 4	− 6	−12	− 7	+ 3	+ 5	− 4	1	0.71
86269	17 37 37.56	−40 48 48.7	7.27	2 T	264.406 510 39	−40.813 537 02		2.46	−0.65	− 1.25	1.00	0.70	1.04	1.06	0.75	−15	−41	−21	+36	−36	− 3	−30	+47	− 5	−37	0	−1.12
86270	17 37 37.88	−63 21 13.5	8.52	G	264.407 835 96	−63.353 749 23		4.84	4.50	−66.92	0.75	0.74	1.19	0.80	0.81	+15	−22	− 7	−10	+17	+24	+12	+11	+15	+33	1	0.71
86271	17 37 39.10	−17 49 37.2	8.57	G	264.412 910 19	−17.826 986 31		0.47	−1.58	0.91	1.08	0.70	1.14	1.44	0.85	− 9	−20	− 4	+10	−38	−10	−31	+24	− 9	−23	0	−0.07
86272 H	17 37 41.00	+42 50 01.3	7.87	H	264.420 827 67	+42.833 690 96	A	4.48	−7.77	4.63	0.88	1.04	0.84	0.78	1.11	+ 4	− 3	− 1	+ 8	− 2	+16	− 7	+ 0	− 1	− 4	0	0.15
86273	17 37 41.55	+59 08 09.5	9.32	H	264.423 106 81	+59.135 982 08		2.20	−1.85	−18.64	0.89	0.92	0.95	1.09	1.23	+18	−16	−16	+ 8	+ 5	− 3	+ 4	− 6	+ 9	+20	0	0.10
86274	17 37 42.08	−21 15 23.0	8.55	H	264.425 332 26	−21.256 384 17		2.87	−1.03	11.55	1.13	0.76	1.26	1.39	0.99	−15	−38	−26	+19	−18	−17	−27	+14	+16	−58	0	−1.53
*86275	17 37 42.86	+61 57 13.6	7.89	H	264.428 582 55	+61.953 783 22		4.88	−6.11	19.93	0.58	0.67	0.64	0.59	0.73	+ 7	−21	− 3	+ 6	+ 5	− 2	+10	−18	− 9	+21	1	−0.69
*86276	17 37 42.76	−28 38 47.8	9.07	H	264.428 181 76	−28.646 608 38		0.64	2.27	− 4.84	1.15	0.76	1.24	1.41	0.79	−12	−28	−17	+15	−41	+ 3	−28	+57	−17	−21	0	1.54
86277 H	17 37 44.76	+30 16 39.8	9.91	H	264.436 513 45	+30.277 720 86	*	4.23	1.64	−13.87	3.41	2.88	1.59	1.21	2.01	+25	− 3	+ 3	+ 1	+ 0	−13	+ 0	− 5	+ 5	+ 1	0	0.11
86278 H	17 37 46.85	−23 23 21.4	8.28	G	264.445 227 78	−23.389 286 43	A	8.98	−17.57	−33.09	1.99	1.47	1.78	2.50	1.39	−23	+ 1	−31	+28	−56	+12	−36	+64	−28	−36	4	0.57
86279	17 37 47.12	−14 07 24.0	9.98	G	264.446 325 46	−14.123 344 46		3.57	1.75	− 1.26	1.77	1.01	1.96	1.82	1.08	+21	−44	−10	−10	−19	−24	−20	−23	+ 1	−15	0	0.89
86280	17 37 47.44	−48 02 45.1	8.95	H	264.447 661 17	−48.045 867 50		3.10	−4.05	− 7.15	1.38	1.14	1.46	1.78	1.34	+12	−16	−25	+58	+ 7	+22	+14	+72	−20	+17	0	0.55
86281	17 37 48.21	−17 15 07.4	9.35	H	264.450 867 43	−17.252 055 77		8.37	2.06	−70.47	1.47	0.89	1.59	2.06	1.07	−18	−32	+ 3	+ 0	+ 6	−14	+ 4	−18	+ 4	−27	0	0.01
86282 H	17 37 48.80	+22 57 21.4	9.29	H	264.453 317 62	+22.955 932 94	A	45.17	−153.38	−145.57	2.45	4.19	4.41	2.66	5.54	+ 5	+ 4	− 8	+17	+12	+13	+15	− 1	+17	+14	2	2.13
86283	17 37 49.52	+11 41 16.9	8.27	G	264.456 338 35	+11.688 016 39		4.81	1.77	−15.29	0.79	0.67	0.97	0.79	0.66	+ 0	−11	−24	+ 4	+47	− 7	+43	+31	−11	+20	0	1.56
86284	17 37 50.72	−08 07 07.4	4.58	H	264.461 332 36	−08.118 721 26		5.94	−11.70	−20.38	0.68	0.47	0.81	0.73	0.49	+ 0	−29	−21	− 9	+22	−11	+13	−46	+13	−12	0	2.58
86285	17 37 51.01	−30 54 34.0	8.30	H	264.462 522 40	−30.909 440 27		8.01	− 6.06	−19.37	0.99	0.65	1.14	1.10	0.68	− 2	−40	−26	+14	−23	− 2	−15	+45	− 7	−24	0	0.69
86286 H	17 37 51.21	−37 51 39.9	6.68	G	264.463 391 86	−37.861 077 35	A	17.82	− 6.77	−131.09	2.16	1.46	1.68	2.15	1.40	+ 7	− 6	−11	+38	+18	− 4	+15	+43	− 2	− 1	1	2.33
86287	17 37 52.78	+18 35 21.5	9.62	G	264.469 902 47	+18.589 319 15		123.02	926.83	983.19	0.92	1.03	1.62	1.21	1.30	+ 2	−30	−16	+25	+ 7	+ 0	+ 5	+24	− 1	−27	0	−0.76
86288	17 37 53.64	−61 46 50.6	9.52	H	264.473 509 25	−61.780 732 05		16.60	31.24	− 4.46	0.94	0.78	1.26	1.14	0.88	+15	−20	− 5	−40	−19	+13	−20	−18	+14	+17	0	−0.23
86289	17 37 53.80	−42 34 00.1	7.16	G	264.474 161 40	−42.566 695 99		29.80	182.07	−357.75	0.90	0.73	0.93	1.11	0.85	− 5	−27	−10	+43	− 4	− 2	− 6	+61	− 4	+ 4	0	1.36
86290	17 37 54.52	−59 25 58.5	7.00	H	264.477 152 46	−59.432 915 52		1.25	− 1.36	−10.79	0.70	0.53	0.88	0.71	0.50	+ 0	−31	−19	−27	−21	+13	−18	+16	+ 6	− 8	3	−0.03
86291	17 37 54.82	−24 57 56.9	8.62	G	264.478 408 96	−24.965 809 13		1.05	0.14	− 7.37	1.15	0.70	1.26	1.26	0.69	+ 4	−29	−15	+11	−35	− 8	−13	+61	−21	−23	0	2.36
86292	17 37 55.10	+41 00 39.0	8.05	H	264.479 572 04	+41.010 821 51		18.31	121.64	9.19	0.58	0.67	0.73	0.59	0.78	− 3	− 7	−14	+16	+ 8	−14	+ 7	−13	− 4	− 1	0	0.43
86293	17 37 55.52	−34 47 47.3	9.16	H	264.481 326 54	−34.796 467 08		7.04	− 8.30	−25.63	1.38	0.87	1.39	1.60	1.00	−15	−38	− 5	+46	−14	− 6	−10	+56	− 9	− 9	0	0.20
86294	17 37 57.44	−39 11 22.3	8.98	2 H	264.489 336 66	−39.189 537 48		11.16	−54.82	−38.23	1.23	0.89	1.32	1.47	1.05	+15	−27	− 8	+32	− 1	+ 5	− 2	+44	+10	+17	0	1.07
86295	17 37 58.11	−46 35 06.1	8.65	H	264.492 133 96	−46.585 028 81		2.45	0.79	−21.56	1.06	0.88	1.14	1.31	0.97	−21	−13	−12	+37	−24	+13	−20	+48	−11	−22	0	−1.37
86296	17 37 59.12	−40 06 52.4	9.23	H	264.496 333 65	−40.114 557 21		2.04	3.31	− 8.08	1.50	1.08	1.52	1.83	1.19	− 5	− 9	−15	+27	−41	− 1	−35	+31	−19	−20	0	1.34
86297	17 38 00.22	−51 42 38.7	9.36	G	264.500 908 95	−51.710 749 72		2.58	−0.06	− 6.43	1.17	0.71	1.49	1.33	0.74	− 8	−45	+11	+ 8	−10	+19	− 6	− 6	+ 6	+25	0	0.19
86298	17 38 00.42	+39 43 38.6	8.92	H	264.501 764 92	+39.727 376 16		5.55	−16.17	43.94	0.70	0.83	0.90	0.69	1.03	+ 6	− 7	−10	− 6	+ 4	− 7	+ 5	−11	+ 2	+11	0	1.76
86299	17 38

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data										Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
86201	5.292	0.003	4.824	0.002		0.430	0.009	G	0.49	0.03	C	4.8698	0.0006	0.004	92		4.86	4.88		C	17369+6845	I 1	1							S
86202	9.662	0.020	9.165	0.020		0.467	0.026	T	0.54	0.03	L	9.1992	0.0021	0.016	104		9.16	9.23		C			1							
86203	9.945	0.031	8.148	0.014		1.496	0.027	T	1.52	0.04	L	8.0465	0.0028	0.018	69		8.02	8.07		U			1							
86204	10.594	0.034	9.482	0.021		0.958	0.031	T	0.95	0.02	L	9.5538	0.0028	0.031	155		9.48	9.62					1							
86205	8.451	0.010	8.359	0.013		0.090	0.015	T	0.10	0.02	L	8.3904	0.0016	0.017	125		8.36	8.42		C			1							S
86206	9.101	0.011	8.009	0.008		0.944	0.010	T	0.93	0.01	L	8.0655	0.0010	0.014	208		8.04	8.09		C			1							S
86207	10.227	0.030	9.202	0.021		0.893	0.027	T	0.90	0.02	L	9.2881	0.0026	0.017	76		9.25	9.32		C			1							
86208	8.839	0.015	7.572	0.010		1.079	0.014	T	1.04	0.01	L	7.6166	0.0007	0.009	73		7.60	7.64					1							
86209	10.176	0.030	9.567	0.027		0.567	0.035	T	0.64	0.03	L	9.6318	0.0022	0.022	100		9.59	9.68		C			1							
86210	10.162	0.025	8.207	0.010		1.622	0.021	T	1.64	0.02	L	8.1188	0.0015	0.015	139		8.09	8.14		C			1							
86211	8.853	0.013	7.692	0.009		0.997	0.012	T	0.98	0.01	L	7.7481	0.0018	0.013	87		7.73	7.77		C			1							S
86212	9.577	0.019	8.118	0.010		1.230	0.017	T	1.19	0.02	L	8.1485	0.0010	0.012	88		8.13	8.17		C			1							
86213	10.641	0.064	9.938	0.060		0.648	0.072	T	0.71	0.06	L	10.0850	0.0038	0.027	56		10.04	10.15		C			1							G
86214						1.655	0.005	G	2.82	0.01	A	10.8964	0.0047	0.037	60		10.84	10.96		C			1							G
86215	8.090	0.008	7.834	0.009		0.271	0.015	G	0.31	0.02	H	7.8670	0.0015	0.016	113		7.85	7.90					1							S
86216	8.236	0.011	7.984	0.012	*	0.240	0.015	T	0.27	0.02	L *	7.9973	0.0014	0.010	99	*	7.98	8.02		D	17371+6707	I 1	2 C A	AB	115	0.521	0.002	0.50	0.01	S
86217	9.000	0.013	8.767	0.015		0.222	0.019	T	0.24	0.02	L	8.7963	0.0019	0.021	123		8.77	8.84		C			1							
86218	9.087	0.014	8.634	0.014		0.446	0.015	G	0.52	0.02	H	8.6903	0.0013	0.016	132		8.66	8.72					1							
86219	7.174	0.005	5.988	0.004		1.016	0.005	T	0.99	0.00	L	6.0384	0.0007	0.005	100		6.03	6.05		C			1							S
86220	9.988	0.017	8.797	0.011		1.020	0.016	T	0.99	0.01	L	8.8534	0.0014	0.019	191		8.82	8.89					1							
86221	10.739	0.039	9.334	0.019	–	1.160	0.020	G	1.26	0.04	I *	9.2238	0.0032	0.024	131	–	9.17	9.27		D	17372+2754	I 1	3 C B							G
86222	8.379	0.019	7.972	0.015		0.409	0.015	G	0.48	0.02	H	8.0180	0.0018	0.012	62		8.00	8.04		C			1							S
86223	10.244	0.037	9.636	0.036	*	0.630	0.015	G	0.70	0.01	H *	9.6425	0.0032	0.022	69	*	9.61	9.68			17372–3123	H 1	2 C A	AB	3	0.271	0.012	1.61	0.17	G
86224	8.479	0.013	7.163	0.007		1.118	0.012	T	1.08	0.01	L	7.1990	0.0010	0.009	99		7.18	7.21					1							S
86225	9.046	0.014	8.517	0.013		0.505	0.014	T	0.58	0.01	L	8.5562	0.0017	0.014	113		8.53	8.58		C			1							
86226	9.382	0.017	8.789	0.016		0.541	0.005	G	0.61	0.01	H	8.8413	0.0015	0.013	98		8.82	8.87					1							
86227	6.935	0.014	6.975	0.016	*	–0.032	0.019	T	–0.01	0.02	L *	6.9183	0.0018	0.012	52	*	6.91	6.95		D	17373–4915	I 1	2 C A	AB	35	1.003	0.004	1.03	0.02	S
86228	2.374	0.003	1.904	0.006	A	0.406	0.007	G	0.48	0.02	A *	1.9269	0.0007	0.006	55	*	1.92	1.94		D	17373–4300	M 1	2 C B	AB	315	6.465	0.025	3.39	0.18	S
86229	9.068	0.013	8.429	0.012		0.594	0.015	T	0.66	0.01	L	8.4999	0.0014	0.014	148		8.48	8.52		C			1							
86230											T	10.9593	0.3032			B				D	17373–4019	I 2	1 C F D							D
86231	7.939	0.012	7.784	0.017	A	0.347	0.015	G	0.41	0.02	H	7.8198	0.0172	0.020	60	A	7.79	7.85		D	17373–4019	I 2	1 C P D							S D
86232	8.152	0.009	7.499	0.008		0.606	0.010	T	0.68	0.01	L	7.5579	0.0012	0.010	96		7.54	7.57		C			1							S
86233	9.840	0.019	9.412	0.020		0.404	0.025	T	0.47	0.03	L	9.4885	0.0023	0.021	123		9.45	9.53		C			1							
86234	8.242	0.008	7.624	0.007		0.551	0.016	G	0.62	0.01	H	7.6841	0.0011	0.012	126		7.66	7.70		C			1							S
86235	8.919	0.012	8.460	0.012		0.461	0.015	G	0.53	0.02	H	8.5271	0.0016	0.014	96		8.50	8.55		C			1							
86236	9.913	0.036	9.401	0.036		0.491	0.039	T	0.56	0.04	L	9.3948	0.0026	0.021	61		9.36	9.44		C			1							
86237	9.130	0.018	8.602	0.017		0.504	0.019	T	0.58	0.02	L	8.6368	0.0013	0.012	80		8.62	8.65		C			1							
86238	8.477	0.014	8.309	0.017	*	0.161	0.021	T	0.18	0.02	L *	8.3438	0.0028	0.015	59	*	8.32	8.37			17374–3544	H 1	2 C B	AB	318	0.267	0.035	2.87	0.39	
86239	9.667	0.018	9.072	0.017		0.555	0.022	T	0.63	0.02	L	9.1201	0.0017	0.017	101		9.09	9.15		C			1							
86240	7.979	0.008	7.862	0.010		0.113	0.012	T	0.13	0.01	L	7.8754	0.0013	0.011	109		7.86	7.90					1							S
86241	10.211	0.026	8.458	0.011		1.461	0.022	T	1.47	0.04	L	8.4497	0.0015	0.014	112		8.42	8.48			17375+5040	I 1	1							
86242	9.114	0.008	7.677	0.005		1.212	0.007	T	1.17	0.01	L	7.7092	0.0012	0.015	251		7.68	7.74					1							S
86243	9.599	0.029	9.439	0.036		0.175	0.017	G	0.19	0.02	H	9.4494	0.0039	0.021	59		9.42	9.49		C			1 G							
86244	10.027	0.040	9.471	0.038		0.600	0.015	G	0.67	0.01	H	9.4329	0.0039	0.020	69		9.40	9.47					1 S							G
86245	9.116	0.010	8.443	0.008		0.623	0.011	T	0.69	0.01	L	8.5071	0.0018	0.020	183		8.48	8.54					1							
86246	7.879	0.011	6.402	0.007		1.244	0.010	T	1.20	0.01	L	6.4193	0.0017	0.007	46		6.41	6.43		C			1							S
86247	9.679	0.044	9.004	0.038	*	0.840	0.042	G	0.86	0.03	R *	9.1164	0.0028	0.022	55	*	9.08	9.15		D	17375–4925	I 1	2 C A	AB	337	6.223	0.013	1.58	0.05	
86248	7.315	0.007	6.015	0.005		1.109	0.001	G	1.07	0.00	H	6.0563	0.0008	0.006	62		6.04	6.07					1							S
86249	10.333	0.024	9.094	0.014		1.057	0.022	T	1.02	0.02	L	9.1386	0.0021	0.024	139		9.10	9.19					1							
86250	10.014	0.037	8.758	0.023		1.071	0.034	T	1.04	0.03	L	8.7825	0.0027	0.016	61		8.76	8.81		C			1							
86251	9.396	0.016	8.226	0.011		1.004	0.015	T	0.98	0.01	L	8.2788	0.0011	0.013	113		8.25	8.30					1							S
86252	8.069	0.009	7.710	0.009		0.375	0.004	G	0.44	0.00	H	7.7619	0.0015	0.015	100		7.74	7.79					1							S
86253	8.641	0.016	8.237	0.017		0.416	0.013	G	0.48	0.01	H	8.2536	0.0155	0.076	62		8.15	8.37		U 2			1							
86254	5.898	0.002	5.772	0.002		0.114	0.003	T	0.13	0.00	L	5.8000	0.0006	0.007	220		5.79	5.81					1							S
86255	10.717	0.035	8.846	0.013		1.555	0.030	T	1.57	0.03	L	8.8081	0.0023	0.022	148		8.76	8.85					1							
86256	10.991	0.083	8.690	0.021		1.942	0.071	T	2.60	0.12	O	8.5111	0.0025	0.016	65		8.48	8.54					1 G							
86257											T	10.9410	0.0050	0.076	249		10.83	11.10		D			S							G G
86258	8.573	0.007	8.621	0.009		–0.059	0.013	G	–0.04	0.01	H	8.5812	0.0021	0.021	199		8.55	8.62		R	17376+2306	I 2	1 G							
86259	8.686	0.011	8.520	0.013	A	0.000	0.495	G	0.17	0.02	L *	8.5048	0.0013	0.012	105	*	8.49	8.53		D	17376–0102	I 1	2 C A	AB	296	3.490	0.025	3.26	0.08	
86260											T	11.4823	0.0201	0.130	67		11.24	11.62	0.19	P 1 A			1 X S							G P
86261											T	9.8116	0.0438	0.809	199		8.77	11.44		D	17376+2306	I 2	S							G
86262	10.313	0.030	9.852	0.030		0.435	0.039	T	0.50	0.04	L	9.9106	0.0030	0.025	108		9.86	9.96					1 X							
86263	3.867	0.003	3.566	0.003		0.262	0.009	G	0.29	0.02	A	3.6075	0.0009	0.004	52		3.60	3.61		C	17376–1524	I 1	1							S
86264	10.401	0.035	9.333	0.022		0.925	0.031	T	0.92	0.02	L	9.4093	0.0024	0.022	107		9.37	9.45		C			1							
86265	10.746	0.050	9.982	0.042		0.926	0.015	G	0.97	0.02	I	9.9156	0.0037	0.025	97		9.88	9.96					1							G
86266	6.358	0.006	5.981	0.007		0.357	0.009	T	0.42	0.01	L	6.0230	0.0008	0.006	58		6.01	6.03		C			1							S
86267	7.904	0.008	7.438	0.006		0.439	0.009	T	0.51	0.01	L	7.4813	0.0008	0.007	110		7.47	7.50					1							S
86268	10.023	0.016	8.737	0.010		1.094	0.015	T	1.06	0.02	L	8.7869	0.0015	0.024	217		8.75	8.82					1							
86269	8.113	0.038	7.342	0.025		0.702	0.035	T	0.76	0.03	L	7.3424	0.0268	0.159	59		7.27	7.61	3.38	P 1 A			1							S
86270	9.645	0.017	8.655	0.012		0.881	0.003	G	0.89	0.00	H	8.6889	0.0022	0.021	132		8.65	8.74					1							
86271	8.809	0.019	8.612	0.022		0.240	0.015	G	0.27	0.02	H	8.6302	0.0022	0.015	67		8.61	8.67		C			1							
86272	7.953	0.008	7.894	0.010	*	0.059	0.012	T	0.07	0.01	L *	7.8927	0.0012	0.012	123	*	7.87	7.92		D	17377+4250	H 1	2 C A	AB	346	0.490	0.011	2.72	0.05	S
86273	10.805	0.052	9.416	0.025		1.175	0.045	T	1.14	0.04	L	9.4844	0.0029	0.020	96		9.45	9.52		C			1							
86274	9.057	0.020	8.594	0.020		0.436	0.026	T	0.50	0.03	L	8.6458	0.0020	0.017	61		8.60	8.67					1							
86275	7.958	0.007	7.877	0.010		0.080	0.011	T	0.09	0.01	L	7.9246	0.0017	0.013	106		7.90	7.95					1							S
86276	9.280	0.018	9.125	0.022		0.149	0.027	T	0.16	0.03	L	9.1262	0.0014	0.012	77		9.10	9.14		C			1							
86277	10.497	0.032	9.941	0.030	*	0.521	0.039	T	0.59	0.04	L *	10.0244	0.0030	0.024	120	*	9.97	10.07		C	17377+3017	H 1	2 C A	AB	172	0.205	0.009	0.05	0.28	
86278	8.778	0.031	8.339	0.036	*	0.456	0.015	G	0.53	0.02	H *	8.3894	0.0015	0.012	70	*	8.37	8.41		D	17378–2323	I 1	2 C A	AB	109	3.250	0.010	1.24	0.03	
86279	10.274	0.044	10.127	0.060		0.247	0.003	G	0.28	0.00	H	10.0524	0.0038	0.021	54		10.01	10.09		C			1							G
86280	10.198	0.036	9.073	0.024		0.969	0.034	T	0.95	0.03	L	9.1180	0.0019	0.014	63		9.09	9.14		C			1							
86281	9.940	0.045	9.375	0.044		0.533	0.047	T	0.61	0.05	L	9.4672	0.0023	0.018	52		9.44	9.50		C			1							G
86282	10.881	0.052	9.259	0.019	*	1.360	0.020	G	1.59	0.04	I *	9.3936	0.0031	0.032	215	*	9.35	9.46		R	17378+2257	I 1	2 C A	AB	185	4.265	0.007	0.29	0.02	
86283	8.642	0.012	8.297	0.013		0.351	0.006	G	0.41	0.01	H	8.3490	0.0015	0.011	95		8.33	8.37		C			1							S
86284	4.738	0.002	4.628	0.003		0.132	0.037	G	0.22	0.02	A	4.6424	0.0005	0.005	108		4.63	4.65		C			1							S
86285	9.008	0.015	8.356	0.013		0.582	0.004	G	0.65	0.00	H	8.4210	0.0019	0.012	71		8.41	8.44		C			1							
86286	7.666	0.011	6.792	0.008	*	0.757	0.016	G	0.80	0.02	A *	6.8323	0.0016	0.008	50	*	6.82	6.84		D	17379–3752	I 1	2 C A	AB	96	0.605	0.011	1.83	0.06	S
86287	11.433	0.063	9.730	0.023		1.530	0.015	G	2.30	0.11	I	9.6468	0.0024	0.024	133		9.61	9.68					1							
86288	10.421	0.028	9.599	0.022		0.725	0.027	T	0.78	0.02	L	9.6541	0.0019	0.019	135		9.62	9.69		C			1							
86289	7.954	0.013	7.243	0.010		0.641	0.008	G	0.69	0.00	A	7.2909	0.0018	0.010	63		7.27	7.31					1							S
86290	9.178	0.014	7.199	0.006		1.677	0.013	T	2.03	0.04	O	7.0793	0.0015	0.014	121		7.06	7.10					1							S
86291	9.409	0.018	8.718	0.016		0.681	0.015	G	0.74	0.01	H	8.7559	0.0017	0.012	91		8.73	8.78		C			1							
86292	8.752	0.010	8.125	0.009		0.583	0.012	T	0.65	0.01	L	8.1798	0.0012	0.014	111		8.16	8.21					1							S
86293	9.777	0.033	9.111	0.029		0.607	0.033	T	0.68	0.03	L	9.2759	0.0028	0.016	63		9.25	9.30					1							
86294	9.920	0.037	9.048	0.029		0.763	0.036	T	0.80	0.03	L	9.1158	0.0067	0.054	60		9.06	9.23	0.15	P 1 A			1							
86295	8.984	0.025	8.647	0.027		0.320	0.034	T	0.37	0.05	L	8.7233	0.0023	0.017	63		8.69	8.75		C			1							
86296	9.463	0.026	9.295	0.032		0.153	0.039	T	0.17	0.04	L	9.2865	0.0039	0.023	57		9.24	9.33					1 S							
86297	9.983	0.029	9.369	0.027		0.526	0.015	G	0.60	0.02	H	9.4712	0.0029	0.023	100		9.44	9.51					1							
86298	9.648	0.017	8.993	0.015		0.608	0.019	T	0.68	0.02	L	9.0512	0.0020	0.017	113		9.02	9.09		C			1 S							
86299	7.654	0.007	7.733	0.008		–0.067	0.010	T	–0.04	0.01	L	7.7278	0.0012	0.011	111		7.71	7.75					1							S
86300	8.645	0.009	8.050	0.008		0.571	0.012	G	0.64	0.01	H	8.0959	0.0015	0.013	104		8.07	8.12					1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
1 2	h m s	±° ′ ″	mag	6 7	deg	deg	10	mas	mas/yr		mas		mas	mas/yr		19	20	21	22	23	24	25	26	27	28	% 29	30
86301	17 38 03.43	+43 35 56.2	7.05	H	264.514 282 45	+43.598 930 65		3.74	7.37	−13.56	0.53	0.70	0.58	0.62	0.94	+ 8	−24	−26	−27	−19	+22	−16	−52	+19	+18	0	0.17
86302	17 38 03.74	+45 33 26.3	7.50	G	264.515 596 58	+45.557 299 09		19.54	20.07	48.49	0.57	0.58	0.66	0.80	0.81	+ 6	−16	−22	+ 2	+17	−17	+ 6	−28	+21	−18	0	0.62
86303	17 38 03.82	−22 34 54.8	8.13	G	264.515 907 11	−22.581 881 70		6.33	−0.43	−15.75	0.95	0.64	1.01	1.24	0.86	− 8	−18	−13	+21	−17	+ 7	−18	+19	+ 4	−43	0	0.16
86304	17 38 03.96	−70 29 36.1	8.59	H	264.516 515 33	−70.493 347 56		4.38	−2.92	−32.10	0.53	0.81	1.16	0.54	0.92	+ 9	−15	−11	+15	−10	+ 2	−11	+22	+ 5	− 1	1	2.82
86305	17 38 05.57	−54 30 00.3	5.25	H	264.523 192 96	−54.500 070 25		23.71	−49.68	−149.54	0.53	0.37	0.75	0.56	0.36	−21	−36	+ 3	− 4	− 4	+19	− 4	−37	+19	− 1	0	0.67
86306	17 38 05.63	−56 49 16.9	7.34	2 T	264.523 470 62	−56.821 348 35		8.87	−76.64	−49.51	0.77	0.52	0.90	0.89	0.51	− 7	−13	− 8	−22	−10	−14	− 9	−15	+ 9	−19	2	0.92
86307	17 38 06.14	−26 22 13.8	10.65	G	264.525 563 26	−26.370 503 18		6.47	8.20	−31.79	2.31	1.62	2.77	2.61	1.59	−20	−43	−41	+26	−56	+19	−23	+82	−43	−47	5	−1.65
86308	17 38 06.27	+76 12 19.7	9.12	H	264.526 135 04	+76.205 469 82		2.76	2.25	−13.55	0.66	0.59	0.70	0.62	0.78	+ 7	−27	+ 8	−20	+ 4	+ 6	+ 7	+ 2	− 8	+13	0	2.43
86309	17 38 08.10	−36 14 12.6	9.99	H	264.533 749 60	−36.236 840 08		4.08	23.67	−16.11	1.67	1.05	1.91	1.70	1.15	+ 9	−56	−27	+18	−20	− 4	− 8	+29	−15	− 9	0	0.16
86310	17 38 08.32	+06 12 49.6	8.33	H	264.534 646 52	+06.213 773 26		1.90	7.95	2.36	0.96	0.76	1.19	1.13	0.74	+23	−15	+22	+33	+59	+16	+51	+49	−10	+42	0	0.46
86311	17 38 08.45	−42 52 48.7	6.09	G	264.535 189 01	−42.880 202 56		4.71	−4.66	−29.62	0.74	0.62	0.84	1.06	0.80	− 6	−14	− 9	+18	−15	−17	−17	+48	−19	+15	0	1.86
86312	17 38 08.60	−19 58 27.9	8.52	H	264.535 842 18	−19.974 426 47		3.13	−0.70	−12.99	1.17	0.80	1.23	1.45	0.99	+ 6	−34	−24	+23	−30	−12	−33	+20	+ 6	−37	0	0.46
86313	17 38 09.51	−10 55 34.5	5.74	G	264.539 637 34	−10.926 246 83		7.67	−14.40	−8.61	0.80	0.61	0.86	0.90	0.61	−30	−11	−20	−21	+42	−16	+38	−61	+17	−28	0	0.41
86314	17 38 09.69	+60 00 39.1	8.88	H	264.540 355 05	+60.010 863 50		6.51	−36.25	−64.04	0.73	0.87	0.86	0.86	1.14	+10	+ 2	− 2	+ 4	+ 8	+29	+11	+ 1	−10	+ 7	1	−0.63
86315	17 38 10.49	+34 58 31.2	7.86	H	264.543 720 51	+34.975 334 39		0.18	−6.69	5.71	0.58	0.65	0.77	0.63	0.81	+12	−13	−12	+17	+11	−16	+11	−14	+17	+19	0	0.58
86316	17 38 11.21	+04 29 28.7	7.92	H	264.546 711 46	+04.491 295 27		4.14	2.26	−10.14	0.75	0.53	0.96	0.83	0.54	− 7	−20	−14	+10	+25	−19	+24	+38	−21	− 6	2	0.52
86317	17 38 11.99	−28 02 48.2	6.83	2 G	264.549 970 51	−28.046 724 68		2.05	−6.86	−15.33	0.94	0.73	0.97	1.11	0.71	−37	−18	−29	+31	−70	+10	−50	+78	−33	−60	0	−0.67
86318	17 38 12.47	−08 06 21.2	8.90	H	264.551 963 07	−08.105 888 98		6.21	−10.69	−20.78	1.09	0.76	1.23	1.17	0.77	−14	−24	−17	−14	+26	− 9	+21	−45	+ 8	−21	0	1.55
86319	17 38 14.40	+20 33 08.6	8.57	H	264.559 980 84	+20.552 392 26		5.10	−0.49	11.56	0.81	0.85	1.18	1.19	1.11	−12	−19	−12	+19	+10	+ 5	+ 8	+22	− 4	−33	0	−0.80
86320	17 38 15.04	−01 08 58.7	8.98	H	264.562 684 58	−01.149 634 21		8.59	10.62	3.88	1.49	0.62	1.58	1.34	0.62	+15	−63	−15	+18	+37	−18	+46	+37	−39	+10	0	−0.47
86321	17 38 15.73	+18 33 27.3	9.77	H	264.565 521 33	+18.557 574 79		8.93	−188.07	−205.58	0.90	0.99	1.48	1.22	1.26	− 6	−15	−14	+23	+10	+ 9	+ 7	+10	+ 5	−26	0	−0.81
86322	17 38 16.44	−32 52 24.4	7.81	H	264.568 489 83	−32.873 456 51		2.57	0.61	−16.31	0.89	0.60	0.99	1.12	0.67	−25	−17	−22	+18	−18	− 5	−18	+35	+ 2	−38	0	−1.72
86323	17 38 17.36	+36 03 33.4	9.11	H	264.572 331 22	+36.059 285 58		2.24	8.29	11.16	0.81	0.92	1.04	0.96	1.22	+20	−12	− 9	+32	+18	−15	+20	−10	+ 5	+22	0	−0.67
86324 H	17 38 17.72	−45 12 49.8	9.81	H	264.573 848 52	−45.213 841 43	A	7.98	−26.36	−18.69	2.98	2.21	2.47	2.83	2.13	− 7	− 5	−26	+27	−22	− 2	−18	+44	−24	− 5	2	−0.20
86325	17 38 18.91	+36 44 50.2	6.78	H	264.578 809 62	+36.747 283 71		6.95	29.84	0.38	0.51	0.56	0.65	0.65	0.79	+ 7	+ 0	−12	+ 1	+ 7	+ 6	+10	−15	+ 4	+18	0	−0.45
86326	17 38 19.64	+17 50 30.3	8.51	H	264.581 838 23	+17.841 749 17		6.61	19.81	−22.95	0.80	0.71	1.08	0.78	0.77	+21	−28	−10	+27	+35	+ 1	+34	+20	+ 3	+ 3	0	−0.49
86327	17 38 19.92	−27 12 18.2	10.35	H	264.583 000 39	−27.205 048 19		18.49	−443.64	−153.97	2.35	1.73	2.22	2.69	1.63	−48	−17	−13	+46	−69	+ 5	−54	+82	−25	−58	2	−0.30
86328	17 38 20.64	+47 08 45.9	7.70	G	264.586 000 54	+47.146 096 08		5.10	−5.93	−29.65	0.63	0.60	0.70	0.65	0.73	+18	−28	−15	−17	+ 3	+ 3	− 2	−11	+21	+12	0	1.66
86329	17 38 21.20	+29 08 47.1	10.42	G	264.588 353 34	+29.146 429 04		−0.87	−6.67	23.18	1.01	1.37	1.61	1.07	1.72	+17	−28	− 8	− 8	− 2	− 2	− 4	−16	+ 5	+ 7	1	1.89
86330	17 38 22.38	+11 29 09.1	8.23	1 G	264.593 259 23	+11.485 854 92		3.77	1.09	−3.37	0.81	0.70	0.96	0.80	0.68	+18	−19	−22	+29	+52	− 3	+51	+42	−12	+29	2	−0.14
86331	17 38 23.78	−74 54 41.4	7.28	H	264.599 082 75	−74.911 507 82		2.90	−2.41	−9.20	0.41	0.52	0.66	0.44	0.58	+ 2	−11	+ 5	+11	− 7	− 9	− 6	+ 0	− 5	− 3	1	0.53
86332	17 38 24.12	+05 07 30.3	8.52	H	264.600 493 32	+05.125 092 21		5.05	−5.97	−1.40	0.79	0.58	1.08	0.79	0.59	−16	−39	+17	+10	+13	− 1	+19	+30	−28	− 1	0	0.50
86333	17 38 25.31	+12 44 14.4	7.49	H	264.605 454 03	+12.737 331 63		8.31	4.47	17.14	0.77	0.64	0.92	0.80	0.66	+10	−12	−12	+ 5	+49	+ 1	+42	+40	− 8	+35	2	0.04
86334	17 38 25.64	−68 31 22.1	7.72	H	264.606 831 98	−68.522 806 40		5.10	−1.14	−29.51	0.53	0.57	0.85	0.68	0.66	− 2	−11	− 3	+29	−24	− 9	−22	+20	+ 1	+ 0	0	0.75
86335	17 38 28.80	+19 17 01.5	9.12	H	264.620 003 21	+19.283 748 82		8.79	13.61	−49.81	0.74	0.79	1.21	1.23	1.08	− 7	−18	−10	+ 0	− 1	+18	+ 4	+10	−20	−20	0	0.07
86336	17 38 29.93	+05 01 19.1	8.07	G	264.624 717 66	+05.021 980 24		5.73	15.60	−0.64	0.79	0.54	1.01	0.78	0.56	−27	−40	+15	+ 7	+ 8	+ 1	+16	+29	−29	−16	0	−0.08
86338	17 38 32.68	−12 22 01.4	8.97	H	264.636 160 71	−12.367 049 80		3.51	9.38	−19.43	1.10	0.80	1.24	1.69	0.97	− 1	− 3	−21	+ 7	−16	+13	− 5	−20	+ 6	+24	0	1.57
86339	17 38 33.63	+15 08 44.1	10.71	H	264.640 119 30	+15.145 578 38		3.22	−23.98	−30.89	1.52	1.39	1.90	1.46	1.48	+21	−22	−29	+26	+41	+ 0	+48	+40	−24	+24	0	−0.47
86340	17 38 34.33	+71 19 53.6	9.10	H	264.643 027 93	+71.331 553 13		41.82	−124.07	314.23	0.72	0.82	0.81	0.80	1.00	+ 8	− 6	+13	+18	+ 1	− 3	+ 4	− 5	−17	+16	0	−0.56
86341	17 38 37.09	−04 38 31.9	9.33	H	264.654 527 62	−04.642 200 84		3.54	−4.21	−12.62	1.25	0.82	1.38	1.51	0.90	+25	−37	−19	+ 0	+ 2	+21	− 1	−28	+13	+20	0	−0.13
86342	17 38 37.52	−33 03 07.3	8.30	H	264.656 351 02	−33.052 016 64		4.21	−5.73	−11.38	0.99	0.72	1.12	1.26	0.79	−21	−17	−24	+23	−20	+ 2	−18	+44	+ 3	−35	0	−1.69
86343	17 38 38.13	−08 50 27.7	8.99	H	264.658 862 22	−08.841 028 89		6.26	−11.65	−20.32	1.47	0.89	1.66	1.54	0.95	− 1	−54	+ 2	+ 9	+23	−14	+35	−58	−18	+22	0	0.91
86344 H	17 38 38.26	+55 45 34.7	7.47	G	264.659 421 73	+55.759 642 35	A	9.03	4.13	−12.77	1.25	1.24	1.15	1.16	1.23	+ 4	− 7	+ 8	+ 6	+15	− 7	+19	− 5	+ 5	+22	4	2.67
86345	17 38 39.21	+35 21 39.1	9.89	H	264.663 392 42	+35.360 860 52		3.57	−4.38	−2.53	0.91	0.97	1.16	1.03	1.22	+19	−17	−13	+22	+ 7	−14	+ 5	−14	+11	+20	0	−0.08
86346	17 38 39.66	+61 14 15.6	10.29	2 H	264.665 266 51	+61.237 667 99		40.75	−31.25	59.44	11.52	12.32	12.06	11.57	14.15	+ 6	− 4	+ 8	−22	+ 3	− 7	+ 5	−24	− 5	+15	0	
86347	17 38 40.31	−54 28 09.7	9.13	G	264.667 965 90	−54.469 354 51		8.68	83.72	−4.31	0.97	0.70	1.35	1.07	0.67	−23	−35	− 2	−23	+17	+15	+12	−55	+23	− 5	0	2.48
86348	17 38 40.54	+32 06 28.7	8.75	H	264.668 910 14	+32.107 985 40		1.24	1.65	5.51	0.71	0.83	1.01	0.79	1.03	+16	−16	−22	− 8	+ 6	− 1	+ 3	−10	+18	+20	1	1.27
86349	17 38 40.63	+04 20 09.7	9.10	G	264.669 299 28	+04.336 025 55		1.98	11.56	10.14	1.06	0.69	1.24	1.19	0.70	+ 4	−15	+ 2	+24	+31	−16	+31	+42	−12	+ 3	3	−0.33
86350	17 38 43.33	+48 41 31.5	8.33	H	264.680 550 50	+48.692 070 27		1.90	−10.56	0.07	0.68	0.69	0.77	0.78	0.78	+ 5	−16	−19	− 5	+11	−11	+ 6	− 8	+17	+18	0	1.24
86351	17 38 43.39	+26 31 36.6	8.55	H	264.680 781 80	+26.526 820 67		4.81	5.77	1.25	0.60	0.82	1.08	0.75	1.05	− 1	− 3	+ 8	− 4	+ 0	+ 6	− 2	+ 5	+ 1	+16	0	0.54
86352 H	17 38 44.87	−21 54 45.4	6.19	H	264.686 955 73	−21.912 624 53	*	9.66	−33.94	−13.69	0.83	0.57	0.86	0.93	0.71	−21	−36	−16	+26	−39	+ 2	−33	+34	− 7	−61	0	−0.35
86353	17 38 44.87	+09 08 27.2	8.40	G	264.686 963 32	+09.140 885 99		4.77	−7.67	−1.65	0.81	0.64	1.03	0.82	0.68	+15	−28	−12	+17	+35	+ 7	+39	+46	−30	+16	0	0.29
86354 H	17 38 45.19	+54 06 07.8	9.92	H	264.688 278 97	+54.102 153 53	A	5.23	1.78	13.06	2.45	2.13	1.91	2.06	2.03	+24	− 9	−33	+15	+16	−22	+ 7	+ 4	−10	+ 3	0	−0.15
86355	17 38 46.22	+53 39 57.6	8.82	H	264.692 589 57	+53.665 993 13		3.57	−9.96	12.16	0.77	0.78	0.85	0.97	1.04	− 1	+13	−21	+ 6	− 6	−21	−11	+ 9	+ 3	−15	0	1.31
86356 H	17 38 46.32	−44 06 00.8	7.90	H	264.693 002 39	−44.100 223 16	A	6.78	−10.92	−33.50	1.86	1.41	1.67	1.93	1.64	+ 8	−16	− 2	+ 4	−16	+13	−12	+18	+ 8	+ 7	8	1.09
86357	17 38 46.64	+28 56 29.4	9.15	H	264.694 349 16	+28.941 488 31		4.07	20.24	−20.30	0.74	0.92	1.15	0.90	1.19	+25	−13	− 7	+ 6	− 2	−14	− 4	− 8	+ 5	+24	0	0.58
86358	17 38 47.16	−64 14 24.8	9.23	H	264.696 487 41	−64.240 226 29		2.76	−2.92	−9.78	0.98	0.94	1.50	1.02	0.91	+22	−18	−31	−28	− 7	+16	− 6	+ 4	+11	+24	0	0.40
*86359	17 38 47.59	−72 08 00.6	8.45	H	264.698 306 47	−72.133 496 49		6.17	−16.10	−28.17	0.52	0.70	1.04	0.55	0.76	+ 2	−13	− 2	+10	−17	−18	−19	+ 8	+ 4	− 4	3	2.54
*86360	17 38 47.44	−30 07 52.8	8.71	H	264.697 655 44	−30.131 336 20		10.31	−36.47	−22.43	1.21	0.77	1.34	1.28	0.76	−10	−32	−18	+22	−26	− 5	−20	+54	− 7	−23	0	1.85
86361	17 38 48.10	+22 26 13.4	8.61	H	264.700 434 63	+22.437 057 04		7.81	−13.15	31.01	0.57	0.87	1.26	0.84	1.02	− 5	− 8	+ 5	+16	+37	+ 8	+33	+ 7	+ 9	+27	0	1.15
86362	17 38 49.57	+32 44 21.8	6.58	H	264.706 529 35	+32.739 389 28		6.90	−11.09	−11.56	0.44	0.53	0.64	0.46	0.65	+ 2	−18	−14	+ 4	+13	−22	+11	−22	+12	+ 4	3	0.53
86363	17 38 49.92	−46 18 57.2	9.43	G	264.707 988 86	−46.315 879 33		2.04	−0.59	−1.29	1.67	1.29	1.77	1.76	1.30	− 4	−27	−32	+39	−34	+14	−26	+49	−10	−24	0	−0.94
86364	17 38 51.54	+08 44 14.4	9.11	H	264.714 742 16	+08.737 329 92		2.41	−2.54	−2.54	0.93	0.70	1.12	1.00	0.75	− 7	−15	− 5	+21	+27	+ 8	+29	+37	−26	− 5	0	1.90
86365	17 38 51.75	−19 32 19.3	8.61	H	264.715 609 25	−19.538 702 89		8.35	34.55	−25.81	1.18	0.79	1.17	1.43	0.90	+26	−18	− 1	− 5	−38	−19	−35	− 6	− 7	− 2	0	−0.42
86366	17 38 52.13	+22 16 28.9	7.96	H	264.717 190 49	+22.274 702 46		4.68	8.77	−2.96	0.52	0.69	0.97	0.70	0.77	− 2	−11	− 2	− 2	+29	− 4	+24	− 5	+ 6	+16	0	0.62
86367	17 38 53.05	+15 48 41.3	8.45	H	264.721 036 71	+15.811 482 14		4.72	−7.16	5.18	0.91	0.75	1.09	0.96	0.82	+ 7	−14	−20	+31	+24	+15	+30	+42	−23	+ 0	0	−0.63
86368	17 38 53.34	−45 45 34.2	7.43	G	264.722 233 93	−45.759 508 17		12.53	−55.75	−154.84	1.06	0.84	1.03	1.22	0.92	−42	− 2	−25	+53	−50	+19	−45	+56	−28	−49	3	1.10
86369 H	17 38 55.10	+07 15 04.6	9.52	H	264.729 597 90	+07.251 271 86	A	−0.99	−3.34	1.88	2.44	1.69	2.61	2.65	1.64	+ 4	+ 3	− 7	+37	+36	−12	+30	+30	−12	+11	1	2.02
86370	17 38 55.14	−10 53 11.1	8.78	H	264.729 731 01	−10.886 416 17		3.83	29.85	6.32	1.31	0.95	1.42	1.41	0.90	−17	−20	−16	−19	+41	−22	+35	−63	+13	−15	0	−0.96
86371	17 38 56.55	+51 42 49.6	8.68	H	264.735 637 39	+51.713 768 69		2.53	2.35	20.01	0.68	0.71	0.75	0.79	0.81	+ 3	+ 8	−13	+12	+15	+ 1	+18	− 2	+14	+20	0	1.54
86372	17 38 57.75	+44 12 24.8	9.56	H	264.740 636 71	+44.206 900 79		0.64	16.36	8.01	0.87	0.93	1.02	0.96	1.14	− 8	+ 0	−22	−14	+ 5	−13	+ 2	−22	+17	− 6	0	0.00
86373	17 38 57.87	+13 19 45.0	6.12	H	264.741 115 26	+13.329 155 82	+	10.68	−20.60	43.51	0.67	0.59	0.99	0.73	0.70	+21	−17	−16	+10	+36	+ 1	+37	+27	−28	+34	0	0.36
86374	17 38 57.87	+02 39 30.3	7.71	2 H	264.741 145 44	+02.658 412 41		7.99	−2.96	−0.52	0.71	0.51	0.88	0.81	0.53	−23	−17	− 2	+19	+14	+ 3	+13	+45	−20	−26	0	−1.58
86375	17 38 59.71	−43 08 42.4	7.24	G	264.748 798 43	−43.145 103 79		18.97	−231.90	−168.86	0.97	0.83	1.07	1.45	1.15	−11	− 3	+ 0	+21	−29	−22	−30	+41	−32	+22	0	2.42
86376	17 39 00.71	−28 24 44.6	7.68	H	264.752 967 12	−28.412 375 42		12.29	−74.37	−74.56	1.04	0.74	1.07	1.27	0.72	−38	−14	−27	+34	−59	+ 5	−48	+76	−32	−41	0	0.52
86377 H	17 39 03.42	−05 30 50.9	8.09	H	264.764 268 39	−05.514 129 14	*	9.09	0.20	−16.55	0.99	0.63	1.09	0.93	0.65	+21	−41	−15	+ 1	− 5	+ 4	− 7	−22	− 1	+ 2	0	0.42
86378	17 39 03.99	−60 56 24.6	7.12	G	264.766 619 74	−60.940 160 46		10.29	−17.07	−92.04	0.57	0.50	0.75	0.64	0.50	−14	−14	−13	− 3	− 6	+ 8	− 5	− 4	+ 6	−22	0	0.27
*86379	17 39 04.51	+02 03 15.2	7.74	H	264.768 804 46	+02.054 234 88		9.11	43.94	−22.90	0.81	0.52	0.93	0.97	0.52	−13	−20	+ 1	+40	+17	− 4	+13	+52	−19	−18	0	0.37
*86380	17 39 04.48	+61 20 12.0	8.09	H	264.768 687 36	+61.336 667 95		2.34	−0.34	2.49	0.66	0.73	0.73	0.69	0.81	+ 7	− 9	+ 6	+14	+10	−18	+13	− 1	− 4	+15	3	−0.55
86381	17 39 04.88	−70 41 39.2	7.44	H	264.770 345 34	−70.694 231 52		6.16	−0.87	4.29	0.37	0.54	0.77	0.37	0.62	+ 7	−15	− 9	+12	−11	− 3	−12	+17	+ 1	− 3	0	0.45
86382	17 39 05.19	+27 03 02.4	7.48	H	264.771 612 01	+27.050 668 48		8.90	−8.84	−111.81	0.46	0.59	0.76	0.59	0.75	+ 5	+ 1	− 6	− 1	− 6	−11	− 7	+ 5	−11	+ 7	0	1.01
86383	17 39 05.28	−17 26 47.0	8.60	H	264.772 018 79	−17.446 397 74		6.96	−7.20	−2.32	1.25	0.79	1.39	1.79	1.03	−16	−21	− 1	− 8	− 4	−21	− 3	− 2	+ 3	−25	0	−1.27
86384	17 39 05.55	−55 03 07.0	8.89	2 H	264.773 116 71	−55.051 931 11		−0.84	4.46	−2.70	0.92	0.68	1.37	1.01	0.63	−15	−25	+16	− 5	+ 4	+26	+ 4	−47	+14	+ 9	1	−0.35
86385	17 39 05.97	−26 56 14.6	7.70	H	264.774 865 19	−26.937 382 28		19.38	−8.15	−74.63	1.12	0.87	1.18	1.30	0.87	−43	−13	−38	+38	−70	+22	−49	+80	−38	−71	2	−0.48
86386	17 39 06.00	−58 14 09.7	9.68	H	264.774 986 18	−58.236 015 88		2.57	−0.74	−6.17	1.23	0.87	1.46	1.52	0.93	− 4	+12	+ 2	−39	−11	−17	−13	−29	−10	+18	0	0.61
86387	17 39 06.57	+04 28 26.1	8.05	H	264.777 394 51	+04.473 910 53		7.33	6.71	−6.79	0.83	0.57	1.08	0.89	0.62	− 4	−32	− 6	+15	+21	− 7	+27	+39	−24	−12	0	0.21
86388	17 39 06.70	−00 19 21.0	10.78	H	264.777 901 03	−00.322 511 60		7.74	−3.87	−15.18	2.07	1.12	2.32	2.84	1.11	+ 8	−14	−20	−16	+31	−21	+33	+41	−25	− 7	0	−2.07
86389	17 39 08.06	+15 52 17.0	9.06	H	264.783 572 67	+15.871 384 37		1.94	1.29	−10.51	0.98	0.86	1.31	1.07	0.88	− 7	−10	−29	+10	+27	+ 7	+30	+21	−24	− 4	0	1.47
86390	17 39 08.38	+48 26 28.5	7.94	G	264.784 934 45	+48.441 242 31		8.57	4.53	−40.69	0.62	0.60	0.67	0.73	0.70	+15	−16	−13	+ 8	+ 7	− 5	+ 6	−10	+14	+31	1	−1.92
86391	17 39 08.48	+02 01 41.2	6.25	H	264.785 326 68	+02.028 104 85		8.42	45.38	−22.53	0.74	0.46	0.83	0.84	0.47	− 9	−31	− 5	+43	+18	− 8	+18	+53	−26	−13	0	1.27
86392	17 39 09.51	+31 53 10.5	7.44	2 H	264.789 641 42	+31.886 261 19		2.77	−37.47	−16.01	0.51	0.64	0.74	0.63	0.78	+14	−18	−20	− 7	+ 0	− 5	+ 0	−34	+13	+23	0	−1.12
86393	17 39 09.95	−52 17 39.9	9.51	H	264.791 470 81	−52.294 418 27		11.32	14.26	−18.06	1.21	0.80	1.55	1.44	0.85	−22	−46	+18	−28	−14	+18	−16	−24	+ 8	+15	0	−0.41
86394	17 39 12.67	+26 45 27.7	8.11	H	264.802 806 67	+26.757 701 64		10.53	34.97	−65.75	0.55	0.72	0.91	0.67	0.90	+ 5	−12	+ 8	+ 6	− 5	− 2	− 4	+ 6	− 9	+ 7	0	0.31
86395	17 39 13.34	+46 09 17.9	8.22	2 H	264.805 595 26	+46.154 960 42		1.79	6.02	7.70	0.75	0.69	0.80	1.00	0.85	+ 6	− 9	−26	+25	+21	−15	+13	−14	+18	− 5	0	−0.30
86396	17 39 13.82	+41 02 31.0	8.34	H	264.807 603 82	+41.041 952 83		1.85	13.47	−6.88	0.61	0.76	0.80	0.64	0.99	− 4	+ 3	− 8	+ 4	+ 2	−18	+ 0	− 9	+ 0	− 3	0	−0.20
86397	17 39 15.18	−41 44 02.5	9.09	H	264.813 239 92	−41.734 033 09		3.12	−14.90	−17.89	1.45	1.17	1.56	1.95	1.62	− 4	−23	− 8	+24	− 4	+ 3	− 7	+43	+11	− 4	6	−1.03
86398 H	17 39 15.22	+47 14 40.9	7.97	G	264.813 430 91	+47.244 703 75	*	5.80	−9.79	35.16	0.63	0.61	0.70	0.69	0.75	+ 7	−17	−17	−14	+ 7	− 4	+ 3	− 9	+18	+ 6	0	1.78
86399	17 39 15.94	+30 15 12.5	7.18	H	264.816 402 51	+30.253 467 48		14.75	−1.88	−44.98	0.45	0.51	0.65	0.51	0.58	+ 6	−19

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
86301	7.126	0.005	7.058	0.006		0.068	0.007	T	0.08	0.01	L	7.0743	0.0009	0.009	130		7.06	7.09					1 G							S
86302	8.167	0.009	7.561	0.009		0.569	0.015	G	0.64	0.01	H	7.6062	0.0014	0.012	113		7.59	7.63					1 G							S
86303	8.561	0.015	8.170	0.015		0.415	0.015	G	0.48	0.02	H	8.2236	0.0018	0.016	48		8.20	8.25		C			1							
86304	10.288	0.019	8.721	0.009		1.315	0.017	T	1.28	0.02	L	8.7407	0.0013	0.021	244		8.71	8.78					1							
86305	5.487	0.002	5.270	0.002		0.195	0.006	G	0.20	0.02	A	5.3085	0.0005	0.006	161		5.30	5.32		C			1							S
86306	7.727	0.023	7.381	0.024		0.335	0.030	T	0.39	0.04	L	7.4111	0.0295	0.228	115		7.24	7.77	0.63	P 1 A			1							S
86307	11.520	0.101	10.804	0.094		0.690	0.015	G	0.75	0.01	H	10.7826	0.0044	0.034	88		10.71	10.83		C			1							G
86308	10.387	0.028	9.236	0.018		0.989	0.026	T	0.97	0.02	L	9.2884	0.0017	0.018	117		9.26	9.32		C			1							
86309	10.579	0.062	10.112	0.072		0.551	0.071	G	0.62	0.07	R	10.1150	0.0038	0.025	60		10.06	10.16		C			1							G
86310	9.945	0.023	8.471	0.012		1.241	0.020	T	1.20	0.02	L	8.4922	0.0018	0.018	99		8.47	8.53					1							S
86311	6.020	0.005	6.076	0.008		−0.057	0.009	G	−0.04	0.00	A	6.0753	0.0011	0.007	49		6.07	6.09					1							S
86312	10.939	0.079	8.777	0.023		1.787	0.066	T	1.81	0.07	L	8.6142	0.0031	0.019	55		8.59	8.64		C			1							
86313	7.322	0.009	5.878	0.005		1.228	0.002	G	1.19	0.00	H	5.8998	0.0007	0.007	77		5.89	5.91		C			1							S
86314	9.563	0.016	8.929	0.014		0.589	0.018	T	0.66	0.02	L	9.0108	0.0019	0.021	111		8.98	9.05		C			1							S
86315	9.909	0.019	8.043	0.008		1.551	0.016	T	1.57	0.02	L	7.9785	0.0019	0.016	128		7.95	8.01					1							
86316	8.126	0.008	7.934	0.010		0.184	0.012	T	0.20	0.01	L	7.9797	0.0011	0.013	118		7.96	8.00					1							S
86317	9.401	0.018	7.093	0.007		1.906	0.016	G	1.92	0.09	H	6.8863	0.0019	0.027	94		6.85	6.93		U 2			1 S							S
86318	9.278	0.021	8.948	0.022		0.313	0.028	T	0.36	0.04	L	8.9782	0.0021	0.019	104		8.95	9.02		C			1							
86319	8.861	0.012	8.608	0.014		0.249	0.015	G	0.28	0.02	H	8.6443	0.0023	0.016	102		8.61	8.68		C			1							
86320	9.590	0.020	9.066	0.019		0.551	0.015	G	0.62	0.01	H	9.1025	0.0018	0.013	93		9.08	9.13		C			1							
86321	10.295	0.027	9.808	0.027		0.480	0.015	G	0.55	0.02	H	9.8714	0.0021	0.022	135		9.83	9.92			17385+1834	I 1	1							
86322	7.829	0.009	7.809	0.013		0.023	0.015	T	0.04	0.01	L	7.8213	0.0012	0.010	68		7.80	7.83		C			1							S
86323	10.595	0.032	9.233	0.017		1.154	0.028	T	1.12	0.03	L	9.2802	0.0025	0.023	127		9.24	9.32		C			1							
86324	10.716	0.081	9.888	0.062	*	0.730	0.078	T	0.78	0.06	L	*	9.9455	0.0035	0.028	64	*	9.91	9.99		D	17383−4513	H 1	2 C A	AB	247	0.529	0.024	2.45	0.14	G
86325	8.303	0.011	6.896	0.004		1.189	0.009	T	1.15	0.01	L		6.9421	0.0008	0.008	121		6.93	6.96					1							S
86326	10.001	0.022	8.641	0.012		1.152	0.020	T	1.11	0.02	L		8.6745	0.0014	0.014	128		8.64	8.71		C			1							
86327						1.586	0.400	G	1.51	0.17	S		10.4769	0.0052	0.044	88		10.42	10.56		R			1							G
86328	8.177	0.009	7.728	0.009		0.453	0.015	G	0.52	0.02	H		7.7920	0.0012	0.014	118		7.77	7.81					1							S
86329	10.576	0.032	10.461	0.045		0.180	0.015	G	0.20	0.02	H		10.4316	0.0036	0.038	142		10.36	10.48					1							G
86330	8.531	0.010	8.267	0.010		0.251	0.013	T	0.28	0.02	L		8.2924	0.0023	0.015	101		8.27	8.31		M			1							S
86331	7.322	0.004	7.284	0.005		0.040	0.006	T	0.06	0.01	L		7.3041	0.0010	0.013	190		7.28	7.33					1							S
86332	8.754	0.011	8.552	0.013		0.193	0.016	T	0.21	0.02	L		8.5792	0.0018	0.015	104		8.55	8.61					1							
86333	8.779	0.012	7.616	0.008		0.998	0.011	T	0.98	0.01	L		7.6538	0.0019	0.013	84		7.63	7.68					1							S
86334	9.682	0.014	7.877	0.007		1.503	0.012	T	1.53	0.02	L		7.8441	0.0013	0.015	180		7.82	7.87		C			1							
86335	9.836	0.019	9.168	0.017		0.619	0.021	T	0.69	0.02	L		9.2544	0.0023	0.020	132		9.22	9.30		C			1							
86336	8.726	0.012	8.147	0.011		0.541	0.014	T	0.61	0.01	L		8.1813	0.0012	0.010	109		8.16	8.20		C			1							S
86338	10.534	0.043	9.080	0.022		1.226	0.038	T	1.18	0.04	L		9.1264	0.0026	0.018	64		9.09	9.16					1							
86339	11.327	0.082	10.676	0.072		0.604	0.093	T	0.67	0.08	L		10.8376	0.0037	0.032	86		10.75	10.90					1							G
86340	10.504	0.039	9.252	0.023		1.117	0.030	G	1.20	0.04	I		9.2280	0.0015	0.015	100		9.20	9.25			17386+7120	I 1	1							
86341	10.854	0.053	9.436	0.027		1.198	0.047	T	1.16	0.05	L		9.4935	0.0023	0.017	68		9.47	9.53		C			1							
86342	8.409	0.011	8.338	0.014		0.205	0.015	G	0.23	0.02	H		8.3597	0.0017	0.013	68		8.34	8.38					1							
86343	9.331	0.015	9.008	0.016		0.310	0.020	G	0.36	0.03	H		9.0700	0.0017	0.016	104		9.04	9.10		C			1							
86344	8.472	0.024	7.923	0.029	A	0.573	0.015	G	0.65	0.01	H	*	7.5865	0.0010	0.009	106	*	7.57	7.60		D	17386+5546	I 1	2 C A	AB	60	1.936	0.003	0.68	0.02	S
86345	10.607	0.035	9.972	0.032		0.590	0.041	T	0.66	0.04	L		10.0166	0.0032	0.026	132		9.96	10.06					1							
86346	11.869	0.121	10.320	0.047		1.591	0.400	G	2.58	0.91	I		10.2974	0.0059	0.042	92		10.21	10.36		U			1 X							G P
86347	9.689	0.019	9.173	0.019		0.515	0.015	G	0.59	0.02	H		9.2404	0.0018	0.019	168		9.21	9.28					1							
86348	10.689	0.038	8.930	0.015		1.466	0.032	T	1.48	0.05	L		8.8837	0.0021	0.020	125		8.85	8.92					1							
86349	8.983	0.013	9.039	0.017		−0.055	0.015	G	−0.03	0.02	A		9.0848	0.0020	0.017	112		9.05	9.12					1							
86350	9.725	0.019	8.445	0.012		1.089	0.018	T	1.05	0.02	L		8.4942	0.0019	0.017	111		8.47	8.53					1							
86351	8.782	0.010	8.568	0.012		0.204	0.015	T	0.22	0.02	L		8.6090	0.0013	0.021	152		8.58	8.65		C			1							
86352	7.243	0.013	6.306	0.006	*	0.827	0.010	T	0.85	0.01	L	*	6.3414	0.0013	0.010	54	*	6.33	6.36			17387−2155	H 1	2 C S A	AB	18	0.124	0.015	1.45	0.57	S
86353	8.749	0.010	8.422	0.011		0.311	0.016	G	0.36	0.02	H		8.4725	0.0013	0.013	106		8.45	8.49					1							
86354	10.611	0.050	9.950	0.042	*	0.613	0.055	T	0.68	0.05	L	*	10.0512	0.0028	0.029	96	*	10.00	10.11		D	17388+5406	H 1	2 C A	AB	249	0.518	0.022	2.27	0.11	
86355	9.413	0.016	8.883	0.016		0.497	0.020	T	0.57	0.02	L		8.9278	0.0022	0.017	94		8.89	8.97					1							
86356	8.660	0.015	8.161	0.014	*	0.480	0.016	T	0.55	0.02	L	*	8.0048	0.0019	0.010	59	*	7.98	8.02		D	17388−4406	I 1	2 C A	AB	57	1.137	0.006	0.09	0.02	
86357	9.673	0.017	9.196	0.017		0.449	0.022	T	0.52	0.02	L		9.2528	0.0019	0.024	145		9.21	9.29		C			1 S							
86358	10.534	0.038	9.330	0.022		1.030	0.034	T	1.00	0.03	L		9.4005	0.0024	0.023	107		9.35	9.44					1							
86359	8.581	0.007	8.482	0.009		0.089	0.010	T	0.10	0.01	L		8.4856	0.0020	0.022	192		8.45	8.53			17388−7208	I 1	1 S							
86360	9.441	0.021	8.789	0.018		0.590	0.015	G	0.66	0.01	H		8.8393	0.0022	0.013	72		8.82	8.87					1							
86361	9.371	0.012	8.686	0.010		0.633	0.013	T	0.70	0.01	L		8.7481	0.0016	0.022	183		8.71	8.79					1							
86362	7.840	0.006	6.684	0.005		0.993	0.006	T	0.97	0.01	L		6.7494	0.0010	0.009	141		6.74	6.77					1							S
86363	9.571	0.030	9.504	0.040		0.144	0.005	G	0.16	0.01	H		9.5004	0.0075	0.037	60		9.45	9.57					1							G
86364	9.251	0.013	9.110	0.015		0.136	0.019	T	0.15	0.02	L		9.1606	0.0014	0.019	117		9.13	9.19					1							
86365	9.131	0.018	8.664	0.019		0.453	0.020	T	0.52	0.02	L		8.7102	0.0017	0.012	54		8.69	8.73		C			1							
86366	8.341	0.008	8.000	0.008		0.341	0.001	G	0.40	0.00	H		8.0444	0.0012	0.016	177		8.02	8.08					1							S
86367	8.682	0.011	8.470	0.013		0.202	0.016	T	0.22	0.02	L		8.5105	0.0018	0.015	81		8.49	8.53		C			1							
86368	8.744	0.019	7.563	0.013		0.997	0.001	G	0.98	0.00	H		7.5965	0.0023	0.012	57		7.58	7.62			17389−4546	I 1	1 S							S
86369	10.008	0.026	9.662	0.029	A	1.200	0.495	G	0.26	0.11	L	*	9.5871	0.0027	0.022	104	*	9.55	9.62		D	17389+0715	I 1	2 C A	AB	107	4.778	0.023	2.28	0.09	
86370	10.562	0.036	8.940	0.017		1.358	0.031	T	1.33	0.04	L		8.9276	0.0019	0.016	80		8.90	8.98					1							
86371	10.150	0.029	8.814	0.016		1.133	0.026	T	1.10	0.03	L		8.8473	0.0022	0.016	110		8.82	8.88					1							
86372	10.845	0.048	9.608	0.027		1.056	0.043	T	1.02	0.04	L		9.7232	0.0028	0.027	113		9.68	9.77					1							
86373	6.807	0.004	6.198	0.004		0.567	0.005	T	0.64	0.01	L		6.2472	0.0006	0.006	94		6.24	6.26		C			1 O							S
86374	8.191	0.007	7.753	0.007		0.413	0.009	T	0.48	0.01	L		7.8078	0.0036	0.032	160		7.76	7.85	0.76	P 1 A			1							S
86375	8.124	0.011	7.337	0.012		0.714	0.012	G	0.77	0.00	A		7.3757	0.0007	0.006	45		7.36	7.39		D			1							S
86376	8.185	0.010	7.720	0.008		0.451	0.010	T	0.52	0.01	L		7.7768	0.0011	0.008	104		7.76	7.79					1							S
86377	8.794	0.013	8.174	0.011	*	0.577	0.015	T	0.65	0.01	L	*	8.2189	0.0015	0.013	77	*	8.20	8.25		D	17391−0531	H 1	2 C S A	AB	64	0.155	0.012	0.58	0.59	
86378	7.490	0.006	7.150	0.006		0.302	0.015	G	0.35	0.02	H		7.2062	0.0008	0.010	111		7.19	7.23					1							S
86379	8.205	0.008	7.776	0.008		0.405	0.010	T	0.47	0.01	L		7.8303	0.0012	0.012	145		7.81	7.85			17391+0202	I 2	1							S
86380	9.329	0.016	8.186	0.011		0.983	0.015	T	0.96	0.01	L		8.2573	0.0015	0.012	98		8.24	8.28					1							
86381	7.716	0.004	7.456	0.005		0.244	0.007	T	0.27	0.01	L		7.5104	0.0009	0.014	254		7.49	7.54					1							S
86382	8.049	0.007	7.536	0.007		0.482	0.009	T	0.55	0.01	L		7.5835	0.0012	0.011	160		7.57	7.60		C			1							S
86383	9.866	0.029	8.749	0.020		0.962	0.027	T	0.95	0.02	L		8.7652	0.0024	0.022	62		8.70	8.79					1							
86384	11.137	0.052	9.110	0.015		1.716	0.045	T	2.37	0.07	O		8.9297	0.0031	0.031	176		8.89	8.98		U 2			1							
86385	8.373	0.012	7.767	0.011		0.573	0.015	G	0.65	0.01	H		7.8267	0.0014	0.011	80		7.81	7.85		C			1							S
86386	10.118	0.028	9.675	0.030		0.432	0.033	T	0.50	0.04	L		9.7811	0.0027	0.021	96		9.74	9.83					1							G
86387	8.644	0.010	8.110	0.010		0.501	0.013	T	0.57	0.01	L		8.1575	0.0016	0.013	111		8.13	8.18		C			1							S
86388	11.816	0.121	10.902	0.085		0.796	0.114	T	0.83	0.08	L		10.9241	0.0050	0.039	89		10.85	11.00		C			1							G
86389	11.214	0.063	9.271	0.020		1.647	0.054	T	2.12	0.12	O		9.1351	0.0031	0.025	88		9.09	9.19					1							
86390	8.282	0.010	7.954	0.011		0.296	0.015	G	0.34	0.02	H		8.0148	0.0012	0.012	105		7.99	8.04		C			1							S
86391	7.555	0.005	6.369	0.003		1.021	0.015	G	1.02	0.02	A		6.4166	0.0005	0.006	149		6.41	6.43		C	17391+0202	I 2	1							S
86392	9.474	0.015	7.640	0.007		1.526	0.013	T	1.57	0.02	L		7.5611	0.0037	0.034	131		7.49	7.60	137.90	P 1 A			1							S
86393	10.139	0.026	9.603	0.026		0.510	0.028	T	0.58	0.03	L		9.6205	0.0023	0.025	112		9.59	9.66					1							
86394	8.760	0.017	8.164	0.015		0.543	0.013	G	0.62	0.01	H		8.2336	0.0016	0.016	154		8.21	8.26					1							S
86395	10.188	0.040	8.500	0.018		1.437	0.036	T	3.10	0.06	O		8.0964	0.0108	0.109	101		7.93	8.24		U 2			1 S							P
86396	9.516	0.017	8.422	0.012		0.945	0.016	T	0.94	0.01	L		8.5005	0.0016	0.014	109		8.48	8.52		C			1							
86397	10.500	0.053	9.194	0.029		1.110	0.047	T	1.07	0.05	L		9.2583	0.0034	0.021	57		9.21	9.29					1							
86398	8.509	0.010	8.018	0.009	*	0.451	0.015	G	0.52	0.02	H	*	8.0807	0.0013	0.014	119	*	8.06	8.11			17393+4715	H 1	2 C S C	AB	86	0.152	0.045	2.00	0.90	S
86399	7.687	0.006	7.237	0.006		0.453	0.015	G	0.52	0.02	H		7.2841	0.0010	0.010	142		7.27	7.30		C			1							S
86400	7.751	0.006	6.628	0.004		0.959	0.006	G	1.04	0.02	A		6.6566	0.0007	0.007	147		6.64	6.67		C			1 O							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ $\alpha*$	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
1 2	h m s 3	±° ′ ″ 4	mag 5 6 7		deg 8	deg 9 10		mas 11	mas/yr 12	13	mas 14	15	mas 16	mas/yr 17	18	19	20	21	22	23	24	25	26	27	28	% 29	30
86401	17 39 17.78	+17 09 23.9	10.44	H	264.824 062 61	+17.156 641 09		0.34	−0.40	−16.56	1.22	1.14	1.76	1.39	1.22	+33	−20	− 6	+23	+40	+ 7	+40	+28	−10	+24	0	0.03
86402	17 39 18.01	−18 24 41.4	9.05	H	264.825 031 12	−18.411 489 20		−2.76	−0.65	−2.33	1.28	0.80	1.36	1.27	0.88	+ 9	−42	+ 0	+ 8	−40	−16	−32	+ 1	−11	−17	0	−1.73
86403	17 39 18.50	+25 18 43.8	8.68	H	264.827 064 67	+25.312 153 08		2.34	9.91	−5.92	0.57	0.78	1.03	0.68	0.84	+19	− 9	−11	+26	+14	− 3	+13	+11	+11	+21	1	1.07
86404	17 39 20.45	−29 31 51.4	6.72	H	264.835 189 32	−29.530 935 95		6.80	−2.99	−14.63	0.86	0.53	0.94	0.87	0.52	+ 2	−47	−21	+29	−19	− 8	−11	+61	− 9	−15	0	1.40
86405	17 39 20.47	−75 04 40.8	12.58	2 H																							
86406	17 39 20.77	−43 09 52.6	7.83	H	264.836 535 17	−43.164 620 66		1.40	−8.37	−15.19	1.03	0.86	1.17	1.62	1.32	+ 0	+ 3	+ 9	+11	−21	−21	−25	+27	−33	+40	3	1.81
86407	17 39 22.56	+18 00 25.0	7.81	H	264.843 996 13	+18.006 957 76		5.36	−4.85	33.00	0.69	0.66	0.97	0.73	0.70	+28	−29	−30	+27	+31	− 4	+34	+35	− 8	− 2	0	1.27
86408	17 39 22.63	−30 49 10.5	9.51	G	264.844 292 87	−30.819 576 22		9.67	56.79	−22.33	1.36	0.93	1.56	1.56	0.92	− 6	−31	−27	+21	−32	+ 3	−21	+61	−16	−18	0	−0.64
86409	17 39 22.71	+00 37 32.5	9.39	H	264.844 634 06	+00.625 686 15		0.66	−5.80	0.14	1.27	0.67	1.47	1.32	0.64	−17	−50	+11	+ 2	+24	+ 3	+28	+37	−25	−16	0	0.12
86410	17 39 22.95	−86 53 06.5	7.56	H	264.845 615 95	−86.885 135 50		8.63	−8.76	−9.35	0.53	0.55	0.65	0.58	0.71	− 3	− 4	− 4	−20	− 9	−14	−10	+ 2	− 9	− 3	1	1.13
86411	17 39 23.42	+46 56 49.4	11.36	G	264.847 592 16	+46.947 066 86		14.97	−403.48	−72.31	1.57	1.58	1.78	1.76	2.10	+13	−25	−18	− 3	+ 5	+ 0	+ 3	− 7	+11	+ 8	0	0.74
86412 H	17 39 24.28	−15 45 41.0	9.08	G	264.851 162 37	−15.761 402 26	A	6.21	−39.35	−59.15	3.79	2.38	3.38	4.28	2.80	−12	−32	−25	− 6	+33	−27	+11	−39	+16	−49	1	1.24
86413	17 39 25.47	+79 09 48.4	8.39	G	264.856 132 78	+79.163 445 69		6.95	−5.40	31.76	0.60	0.56	0.62	0.68	0.71	+ 7	−23	− 7	−15	+ 5	+ 7	+ 3	+10	+ 4	+13	0	−1.31
*86414	17 39 27.89	+46 00 22.8	3.82	1 H	264.866 218 47	+46.006 322 16		6.58	−7.17	3.97	0.49	0.48	0.56	0.64	0.58	+ 4	−15	−25	+12	+16	−22	+10	−15	+17	+ 6	0	−0.84
*86415	17 39 27.76	−45 53 10.4	8.43	H	264.865 648 75	−45.886 214 35		21.04	130.47	−72.64	1.26	1.02	1.21	1.46	1.09	−44	− 5	−29	+56	−51	+17	−45	+60	−27	−50	0	0.82
86416	17 39 28.12	−11 16 01.1	7.92	G	264.867 179 97	−11.266 964 24		8.25	−9.32	−4.78	1.13	0.79	1.31	1.41	0.77	−20	− 9	−28	−21	+41	−43	+35	−59	+ 9	− 7	0	−0.01
86417 H	17 39 28.42	−42 14 12.5	9.10	H	264.868 425 45	−42.236 797 74	A	4.84	10.78	−17.17	2.67	2.16	2.85	3.60	2.94	− 4	−35	+ 2	+14	+ 1	−28	+ 2	+30	−21	+30	5	1.26
86418	17 39 28.84	−37 21 52.7	8.40	G	264.870 166 98	−37.364 635 28		1.31	−1.39	−2.84	1.16	0.76	1.30	1.34	0.90	+14	−47	− 9	+22	+11	− 4	+ 6	+40	+ 5	+15	0	0.11
86419	17 39 29.47	−39 20 39.2	7.41	H	264.872 803 33	−39.344 234 61		26.38	88.03	−3.97	0.84	0.63	0.91	0.99	0.68	+ 4	−16	−20	+23	−28	− 7	−26	+30	− 5	−14	0	2.30
86420	17 39 30.20	−13 38 58.8	7.57	G	264.875 845 14	−13.649 667 53		14.29	20.59	−6.17	0.97	0.57	1.14	1.14	0.68	+12	−45	−19	− 3	−21	+10	−12	− 1	− 9	+ 0	0	1.11
86421	17 39 30.40	+70 38 15.0	8.41	H	264.876 669 48	+70.637 505 90		4.16	0.17	−12.51	0.69	0.75	0.74	0.73	0.91	+ 4	−13	+ 3	+ 0	+ 9	−15	+13	−24	− 3	+12	0	0.34
86422	17 39 30.55	+44 00 04.3	6.88	H	264.877 299 18	+44.001 188 05		8.74	−26.41	27.70	0.45	0.50	0.54	0.48	0.57	− 4	− 5	−20	−14	+ 4	−11	+ 2	−20	+14	+ 0	2	0.45
86423	17 39 30.70	+27 45 45.8	11.07	2 H	264.877 918 43	+27.762 709 12		36.27	18.88	−198.98	2.05	2.80	3.50	2.52	3.64	+ 4	− 8	−13	− 7	+ 2	−11	+ 2	− 8	− 6	− 3	0	
86424	17 39 31.17	+03 23 33.9	6.63	H	264.879 867 16	+03.392 737 35		5.11	−0.36	−40.03	0.62	0.43	0.73	0.67	0.41	−13	−22	+ 7	+11	+38	− 6	+33	+36	− 9	− 5	1	1.82
86425	17 39 31.65	−39 46 49.2	8.07	G	264.881 854 50	−39.780 333 92		11.76	17.64	−26.02	1.00	0.74	1.06	1.14	0.80	− 1	−27	− 1	+22	−30	−14	−25	+21	− 9	− 4	0	0.88
86426	17 39 32.60	−05 51 32.3	9.27	H	264.885 840 57	−05.858 984 78		8.16	−4.10	−9.91	1.55	0.95	1.62	1.44	0.94	+44	−47	−29	−25	−21	− 5	−20	−51	− 3	+30	0	1.68
86427	17 39 32.76	−42 58 42.5	8.22	H	264.886 513 53	−42.978 465 09		10.08	1.03	−25.16	1.19	1.02	1.40	1.93	1.59	− 6	+ 0	+20	+11	−28	−36	−28	+22	−36	+41	3	2.03
86428	17 39 34.01	+58 48 11.9	8.08	H	264.891 690 38	+58.803 309 49		4.48	−1.32	38.66	0.70	0.67	0.71	0.87	0.80	+22	−17	−26	− 8	+ 5	+ 3	+ 5	− 7	+ 7	+20	0	0.52
86429	17 39 34.60	−38 23 44.6	8.86	H	264.894 171 07	−38.395 718 60		7.74	15.76	7.73	1.29	0.94	1.46	1.85	1.22	− 8	−15	−28	+37	− 9	+10	−10	+31	+17	−28	0	1.35
86430	17 39 36.80	+32 56 46.6	9.87	3 H	264.903 349 49	+32.946 264 95		4.62	5.65	21.31	0.85	1.07	1.22	0.91	1.37	+18	−19	−15	+19	+ 1	−12	− 5	−12	− 2	+ 0	0	−0.29
86431	17 39 37.24	+37 11 08.7	8.39	H	264.905 154 14	+37.185 746 16		18.32	−497.69	−819.78	0.63	0.72	0.78	0.65	0.84	+15	+ 9	−13	+21	+ 7	− 2	+11	−24	+ 5	+22	0	−1.17
86432	17 39 37.59	−32 19 12.4	7.16	2 H	264.906 629 95	−32.320 123 30		0.83	−1.29	−7.19	0.80	0.57	0.89	0.97	0.61	−14	−25	−13	+25	−14	− 3	−13	+51	− 4	−18	0	0.33
86433	17 39 37.67	+24 59 21.8	8.46	H	264.906 967 15	+24.989 387 86		2.12	5.81	−15.59	0.56	0.78	1.04	0.71	0.89	+ 8	−10	−13	− 3	+ 5	−15	+ 1	− 5	+13	+10	0	0.03
86434	17 39 37.78	−36 15 41.2	9.02	2 H	264.907 429 47	−36.261 451 19		1.71	−2.17	−4.64	1.61	1.06	1.85	1.76	1.06	+28	−49	−43	+ 4	−29	+ 1	− 8	+45	−25	− 2	0	−0.41
86435	17 39 40.16	+13 17 02.2	7.54	G	264.917 334 69	+13.283 945 26		8.87	0.05	−23.97	0.75	0.66	0.88	0.79	0.72	+20	−12	− 5	+23	+40	+ 9	+41	+53	− 9	+22	0	0.76
86436	17 39 40.81	+24 24 50.4	7.70	H	264.920 034 52	+24.414 005 83		4.66	−19.81	−30.31	0.38	0.59	0.85	0.47	0.71	+ 6	− 7	− 2	−11	+ 2	− 3	− 1	− 1	+13	+22	0	0.48
86437 H	17 39 41.35	−45 58 50.1	10.35	H	264.922 301 94	−45.980 592 84	A	5.08	2.82	−9.82	5.83	5.79	4.79	5.83	4.51	−38	+12	−20	+52	−35	+12	−46	+39	−27	−48	3	−1.17
86438	17 39 41.46	+64 32 11.8	8.37	H	264.922 757 75	+64.536 617 60		12.22	−103.63	−85.11	0.61	0.66	0.69	0.64	0.69	+ 9	−27	− 6	−13	−20	+15	−21	−39	− 2	− 5	0	−0.91
86439	17 39 42.07	+16 33 36.2	9.26	2 H	264.925 287 50	+16.560 063 50		0.77	−3.66	7.00	1.01	0.82	1.33	1.20	0.92	+18	−31	−13	+25	+34	+ 1	+32	+21	− 6	+12	0	−1.22
86440	17 39 44.62	+07 10 21.2	9.95	H	264.935 911 80	+07.172 544 35		−1.96	−9.14	−0.17	1.38	0.98	1.61	1.60	1.10	+11	−17	−14	+37	+31	− 3	+32	+45	−30	+ 5	2	2.05
86441	17 39 45.52	−04 58 06.2	8.43	H	264.939 654 33	−04.968 396 66	B	9.83	8.72	−7.60	7.40	4.81	4.06	4.66	2.98	+28	−26	−24	−17	− 4	− 1	−11	−37	+14	+ 9	5	0.73
*86442	17 39 45.89	−68 09 53.7	8.39	H	264.941 225 56	−68.164 928 69		6.42	−5.94	−64.96	0.60	0.62	0.93	0.85	0.71	−11	− 4	− 3	+39	−31	− 3	−26	+26	− 5	−12	0	−1.54
*86443	17 39 45.81	+02 24 59.0	9.94	G	264.940 867 93	+02.416 375 18		8.35	−365.79	74.96	1.40	0.94	1.64	1.80	0.89	+ 0	−12	−16	+23	+47	−20	+35	+49	−23	+ 1	0	0.05
86444 T	17 39 47.28	−04 58 04.8	7.78	G	264.946 985 30	−04.968 004 57	A	9.61	1.09	−3.63	2.48	1.71	2.09	2.28	1.62	+31	−28	−23	− 6	− 2	−10	−10	−21	+15	+ 8	5	0.73
86445	17 39 47.28	−38 22 06.1	8.08	H	264.947 000 80	−38.368 372 90		3.56	0.51	−13.77	1.08	0.78	1.22	1.48	0.96	− 4	−22	−25	+34	−10	+10	−10	+36	+15	−20	0	1.68
86446	17 39 47.96	+49 46 47.4	6.60	H	264.949 838 61	+49.779 842 76		7.49	−11.79	5.17	0.48	0.48	0.53	0.60	0.59	+ 4	−12	−11	+20	+ 1	+14	+ 4	− 2	+16	+21	0	−1.24
86447	17 39 48.22	−06 28 43.9	9.38	H	264.950 913 91	−06.478 868 13		9.94	8.58	−70.67	1.33	0.86	1.40	1.39	0.88	+38	−43	−29	+ 1	− 3	− 3	−15	−45	+17	+20	0	0.76
86448	17 39 48.78	+13 44 20.9	10.08	H	264.953 235 72	+13.739 132 27		2.00	−3.20	−12.05	1.16	0.99	1.37	1.13	1.01	+14	− 6	+ 5	+25	+44	+12	+45	+35	− 7	+23	0	1.10
*86449 H	17 39 50.82	−54 38 42.9	8.57	H	264.961 732 89	−54.645 242 78	*	−1.25	−4.26	−15.44	2.95	2.01	1.76	1.47	0.99	− 9	+ 3	−17	−35	+ 5	−11	+ 6	−67	+34	+ 3	1	−0.09
*86450	17 39 50.78	+72 57 53.0	8.13	2 H	264.961 565 60	+72.964 727 34		2.23	7.58	1.69	0.61	0.52	0.65	0.71	0.81	+ 8	− 8	+ 2	−16	+13	− 8	+18	−48	−20	+ 3	0	−1.04
86451	17 39 51.33	−40 16 42.9	8.01	H	264.963 860 42	−40.278 580 08		0.10	3.89	−5.55	0.97	0.74	1.04	1.13	0.82	−10	−25	− 7	+36	−24	+ 5	−18	+42	−14	−11	0	0.57
86452	17 39 53.90	−11 27 58.5	8.08	H	264.974 575 30	−11.466 251 53		5.16	−0.26	−2.11	1.14	0.74	1.23	1.59	0.76	−34	+17	−23	−41	+41	−42	+37	−55	+15	− 3	4	−0.47
86453	17 39 55.14	+44 03 56.9	9.02	G	264.979 752 75	+44.065 817 58		13.76	−104.60	−185.72	0.68	0.83	0.88	0.73	1.02	−10	+ 4	−17	−15	+ 2	−10	+ 1	− 6	+27	− 5	0	−1.07
86454	17 39 55.38	−59 15 57.8	8.86	H	264.980 737 52	−59.266 059 76		7.46	−38.94	−39.89	0.92	0.69	1.12	0.97	0.70	+ 1	−33	−10	−36	−25	+19	−20	−19	− 5	+ 0	0	2.24
86455	17 39 55.64	−23 03 40.6	8.57	H	264.981 816 95	−23.061 282 40		12.37	−12.42	−31.56	1.09	0.76	1.17	1.53	1.02	− 8	−24	−20	+24	−17	− 3	−16	+31	+ 2	−31	0	−0.91
86456	17 39 55.72	+65 00 05.0	8.39	1 H	264.982 183 45	+65.001 376 62		37.83	−21.26	106.42	0.63	0.71	0.71	0.66	0.78	+ 4	−22	− 4	− 9	−12	+ 9	−12	−30	+ 6	+10	0	1.39
86457 H	17 39 55.96	+07 48 04.1	7.06	H	264.983 156 89	+07.801 151 64	A	5.18	−34.66	−14.32	1.06	0.77	1.10	1.07	0.75	−19	−19	−17	+24	+27	−29	+19	+36	−13	−10	0	−0.21
86458	17 39 56.01	+02 25 08.7	10.03	G	264.983 370 47	+02.419 075 38		2.32	3.05	−12.03	1.46	0.93	1.72	1.87	0.88	+ 1	− 6	−20	+22	+50	−19	+38	+44	−25	+ 2	0	−0.63
86459	17 39 56.93	+56 52 13.8	7.30	H	264.987 205 49	+56.870 498 31		11.38	−87.49	−86.83	0.57	0.58	0.61	0.73	0.74	+ 2	+ 5	−31	+23	+17	−10	+11	− 5	+ 8	−15	0	−0.53
86460	17 39 57.02	+00 45 29.4	8.83	H	264.987 568 08	+00.758 171 45		1.08	−4.58	0.50	1.05	0.58	1.19	1.09	0.57	−10	−46	+ 6	+10	+16	+ 7	+21	+40	−23	−11	0	2.13
86461	17 39 57.45	−37 14 16.0	9.60	H	264.989 390 10	−37.237 779 08		7.56	−5.79	8.25	1.47	0.97	1.57	1.79	1.16	+23	−41	−11	+30	+13	− 4	+11	+49	+ 2	+25	0	−1.77
86462	17 39 57.52	+31 12 08.8	6.05	1 H	264.989 686 01	+31.202 443 10		6.12	−9.41	11.15	0.39	0.45	0.58	0.43	0.51	+ 8	−19	−15	+12	+ 7	−24	+ 5	− 9	− 3	+10	0	−1.99
86463 H	17 39 57.70	−00 38 21.2	6.51	H	264.990 426 18	−00.639 212 94	*	3.04	−5.40	−13.57	0.90	0.48	1.05	0.92	0.49	+17	−58	−27	+ 1	+22	− 1	+29	+11	−23	− 7	0	0.43
86464	17 39 57.73	−45 08 21.3	8.66	G	264.990 550 17	−45.139 246 05		0.43	−15.53	−33.07	1.09	0.86	1.25	1.30	1.03	− 9	−29	−10	+28	−10	−10	− 9	+25	− 7	− 9	0	−0.40
86465	17 39 57.77	+47 43 47.5	9.49	H	264.990 690 27	+47.729 848 47		7.33	40.50	83.96	0.91	0.87	1.00	1.04	1.02	+ 4	−25	−13	− 4	+ 7	+ 2	+ 6	−16	+10	+19	0	0.01
86466	17 40 00.46	+57 24 14.4	8.18	H	265.001 904 94	+57.403 991 60		5.04	−47.85	−27.83	0.63	0.63	0.67	0.69	0.84	+ 2	+19	− 5	+16	+14	+14	+17	+ 3	+ 5	−18	0	0.52
86467	17 40 01.00	−08 40 29.7	9.74	H	265.004 184 74	−08.674 918 00		5.64	6.31	3.27	1.59	1.22	1.97	2.04	1.27	+35	−37	−45	+ 7	+16	−23	− 7	−59	+29	+15	0	0.79
86468	17 40 01.04	−32 12 03.8	6.74	H	265.004 343 66	−32.201 053 10		1.88	−2.28	−6.55	0.85	0.56	0.91	0.93	0.58	−22	−34	− 4	+29	−24	− 9	−22	+52	− 1	−26	0	0.49
86469	17 40 02.18	+65 20 00.1	8.68	H	265.009 087 75	+65.333 358 45		1.10	−4.32	−16.40	0.73	0.78	0.80	0.71	0.91	− 5	−23	+12	−17	+15	+17	+12	−17	+21	+23	0	1.34
86470	17 40 02.53	+01 43 25.0	9.76	H	265.010 520 90	+01.723 624 23		17.63	−21.60	−23.75	1.38	0.89	1.52	1.63	0.90	+ 9	−19	−11	+35	+15	− 9	+18	+59	−24	− 6	0	0.55
86471	17 40 03.83	+29 14 13.4	7.70	H	265.015 956 57	+29.237 055 85	A	5.38	13.26	−71.54	1.47	1.66	1.65	1.57	1.71	+ 6	−19	−20	− 5	+10	− 8	+ 8	−19	+ 1	+ 1	1	1.87
86472	17 40 04.48	+29 14 25.2	10.36	H	265.018 685 14	+29.240 340 31	B	8.08	21.16	−20.99	27.77	28.96	11.71	21.12	18.50	+11	−16	−25	− 5	+ 9	−11	+ 5	−13	+ 3	+ 3	1	1.87
86473	17 40 07.08	+39 45 05.5	8.57	H	265.029 515 40	+39.751 540 92		5.45	11.23	29.02	0.68	0.76	0.86	0.69	1.08	+ 6	− 4	−12	+ 0	+ 8	− 1	+11	+ 0	+ 5	+ 7	0	0.51
86474	17 40 09.72	−39 12 17.9	7.44	H	265.040 509 94	−39.204 963 24		3.54	0.92	−6.29	0.86	0.64	0.97	1.07	0.69	+ 1	−15	−24	+20	−21	−12	−20	+31	+ 1	−20	0	2.27
86475	17 40 09.87	−03 32 09.4	7.68	H	265.041 111 23	−03.535 951 44		8.85	−8.28	5.69	0.95	0.70	1.15	1.40	0.72	+15	−15	−42	− 8	+30	−29	+ 9	−38	+26	− 4	0	1.55
86476	17 40 11.95	−02 09 08.2	6.08	2 H	265.049 777 30	−02.152 276 27		5.99	−6.55	−10.32	0.80	0.52	0.86	0.84	0.58	−15	−47	+ 2	− 2	+17	+ 5	+16	−27	+ 5	+ 2	0	0.68
86477	17 40 12.32	−73 42 36.0	8.53	H	265.051 314 71	−73.710 005 44		2.47	−4.80	−17.31	0.53	0.67	0.89	0.57	0.77	− 3	− 6	−11	−11	+ 2	−17	− 2	− 1	+ 7	+ 1	2	0.47
86478	17 40 12.78	+03 13 23.2	8.82	H	265.053 268 47	+03.223 115 91		2.60	−2.41	3.28	0.89	0.59	1.06	0.97	0.56	− 6	−18	− 3	+21	+39	−10	+35	+37	−16	− 3	1	−1.99
86479	17 40 15.21	+09 39 54.4	10.74	H	265.063 378 81	+09.665 113 93		3.01	−6.69	−68.22	5.50	4.63	7.40	5.82	4.97	− 9	−12	−17	+ 1	+21	− 9	+23	+18	−14	−18	0	
86480 H	17 40 15.77	−59 44 38.4	8.85	H	265.065 720 55	−59.744 012 98	*	1.08	0.80	−15.35	7.58	3.60	1.83	1.62	1.17	+24	−28	−13	− 6	−22	+23	−25	− 7	+ 5	−16	1	−0.59
86481	17 40 16.82	+69 08 59.9	7.01	H	265.070 082 47	+69.149 980 08		13.18	55.32	124.74	0.56	0.57	0.57	0.75	0.71	+17	− 8	−18	−24	−13	+ 0	−10	−37	+ 5	+41	3	−0.01
86482 H	17 40 18.09	+63 40 30.0	6.79	G	265.075 363 64	+63.675 010 55	A	13.21	5.56	144.99	0.74	0.81	0.73	0.75	0.90	− 3	− 5	− 9	−19	− 2	+16	− 4	−25	+ 7	−16	0	0.05
86483	17 40 19.99	+06 33 52.8	7.18	H	265.083 307 69	+06.564 657 03		2.48	−0.29	−19.57	0.69	0.50	0.92	0.76	0.53	+ 4	−25	− 3	+15	+31	− 1	+33	+30	−29	+ 8	2	−0.58
86484	17 40 21.90	−37 06 42.7	8.31	G	265.091 258 96	−37.111 857 48		6.64	−1.06	−12.18	1.09	0.76	1.15	1.34	0.85	− 9	−30	− 7	+41	− 7	− 1	− 6	+55	− 8	+ 0	0	0.54
86485	17 40 23.25	+53 20 06.8	8.30	H	265.096 857 95	+53.335 208 39		12.33	−38.26	−1.81	0.72	0.66	0.74	0.90	0.85	−10	+15	−32	+12	+21	−16	+16	− 3	+ 0	−22	0	0.10
86486	17 40 23.73	−49 24 54.6	4.76	H	265.098 884 68	−49.415 154 81		45.72	104.28	−177.67	0.76	0.52	0.79	0.74	0.54	−24	−45	− 4	+37	−44	− 6	−31	+39	−15	−39	0	0.62
86487	17 40 23.88	−28 55 23.5	7.22	1 H	265.099 479 56	−28.923 188 41		1.23	−1.68	−5.54	0.93	0.59	1.03	0.99	0.59	−13	−48	−25	+26	−38	+ 6	−21	+69	−19	−28	0	0.85
86488	17 40 24.73	+34 12 55.4	8.08	H	265.103 059 65	+34.215 395 57		4.03	−12.75	−9.40	0.58	0.69	0.80	0.60	0.79	+17	−17	−21	+ 4	+ 6	−20	+ 4	−23	+ 2	+20	1	−0.76
86489	17 40 26.74	−43 51 57.0	10.66	H	265.111 433 12	−43.865 821 45	C	28.57	−50.99	32.08	35.55	26.39	29.19	40.06	31.68	+ 2	−37	−11	+26	− 7	−12	−10	+25	+ 5	− 7	12	7.86
86490	17 40 27.31	−43 51 42.7	8.30	H	265.113 774 80	−43.861 849 96	A	1.42	−3.58	−0.44	3.72	3.05	3.26	4.35	3.70	− 8	−31	+ 5	+19	− 7	− 5	−10	+31	+ 7	+ 3	12	7.86
86491	17 40 29.99	−40 30 29.7	9.26	H	265.124 964 70	−40.508 254 43		2.46	−6.54	−14.07	1.32	1.05	1.42	1.57	1.18	− 2	−26	−22	+32	−28	+14	−22	+49	− 6	−13	0	1.13
86492	17 40 30.59	+39 05 10.5	9.88	H	265.127 462 24	+39.086 257 60		2.47	4.49	9.41	0.99	1.07	1.22	1.12	1.35	+10	−24	+ 1	+29	+19	−25	+24	+ 1	− 3	+25	3	1.16
86493	17 40 30.80	+57 51 27.4	7.69	H	265.128 340 57	+57.857 611 17		4.14	29.66	−7.50	0.63	0.62	0.67	0.67	0.78	− 7	+15	−24	− 4	+13	+10	+19	− 7	+ 5	−19	0	−1.73
86494	17 40 31.13	−02 51 52.5	7.64	1 H	265.129 707 58	−02.864 590 16		2.28	−0.91	−14.28	0.97	0.67	1.01	1.37	0.78	− 2	+ 1	−22	−35	+17	−28	+10	−32	+ 8	− 3	5	1.88
86495	17 40 31.80	−16 47 36.3	9.98	H	265.132 513 75	−16.793 412 36		4.65	22.47	−9.57	1.57	1.04	1.75	2.45	1.34	−18	+ 1	−16	−20	+16	−29	+12	−33	+12	−19	3	−0.04
86496	17 40 32.59	−15 31 50.9	9.38	G	265.135 797 16	−15.530 814 99		8.16	−68.80	−61.23	1.60	0.89	1.68	1.79	1.08	− 6	−54	− 4	+24	− 4	− 6	− 8	+ 8	+ 2	−35	2	−1.14
86497	17 40 32.96	−49 42 16.0	7.70	H	265.137 339 74	−49.704 434 43		1.90	−0.82	−28.98	1.04	0.74	1.15	1.23	0.87	−19	−32	+ 7	+22	−33	−21	−21	+29	−18	−26	0	0.18
86498	17 40 34.97	−25 37 27.7	8.96	H	265.145 689 64	−25.624 352 58		5.35	22.03	−16.23	1.18	0.78	1.29	1.61	1.03	−12	−32	−18	+17	−15	−12	−13	+

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55 56-7	58-61	62	63	64	65	66	67	68-70
86401	11.603	0.077	10.451	0.042		0.990	0.068	T	0.97	0.06	L	10.6085	0.0036	0.035	148		10.54	10.67		C		1 S							G
86402	9.194	0.027	9.076	0.033		0.175	0.008	G	0.19	0.01	H	9.1099	0.0024	0.016	59		9.09	9.14		C		1							
86403	10.054	0.018	8.801	0.011		1.068	0.016	T	1.03	0.01	L	8.8504	0.0017	0.020	166		8.82	8.88				1							
86404	7.908	0.008	6.826	0.006		0.936	0.008	T	0.93	0.01	L	6.8848	0.0008	0.007	86		6.87	6.90				1							S
86405											T	12.7232	0.0131	0.149	149		12.27	13.02		U		S							G G
86406	10.000	0.063	8.029	0.025		1.670	0.056	T	2.05	0.15	O	7.9062	0.0021	0.015	47		7.88	7.93				1							
86407	9.464	0.015	7.943	0.008		1.278	0.013	T	1.24	0.01	L	7.9725	0.0012	0.012	114		7.94	8.00		C		1							
86408	10.422	0.043	9.601	0.034		0.680	0.015	G	0.74	0.01	H	9.6459	0.0032	0.021	73		9.61	9.68		C		1							G
86409	9.657	0.020	9.413	0.023		0.233	0.029	T	0.26	0.04	L	9.4600	0.0016	0.016	104		9.43	9.49		C		1 S							
86410	8.119	0.007	7.617	0.007		0.490	0.015	G	0.56	0.02	H	7.6713	0.0012	0.010	134		7.65	7.69		C		1							S
86411						1.150	0.020	G	1.25	0.04	I	11.5605	0.0044	0.047	112		11.49	11.64				1							G
86412	10.488	0.071	9.468	0.045	*	0.760	0.015	G	0.80	0.01	H *	9.2396	0.0030	0.019	56	*	9.21	9.28		D	17394−1546 I 1	2 C A	AB	38	0.929	0.006	0.40	0.03	
86413	8.831	0.011	8.417	0.011		0.402	0.015	G	0.47	0.02	H	8.4749	0.0013	0.012	115		8.46	8.50				1							S
86414	3.591	0.003	3.777	0.002		−0.179	0.003	G	−0.21	0.03	C	3.7497	0.0013	0.009	97		3.74	3.76	3.49	P 1 A	17395+4601 I 1	1							S
86415	9.267	0.028	8.502	0.023		0.682	0.028	T	0.74	0.02	L	8.5700	0.0016	0.015	59		8.54	8.59				1							
86416	8.413	0.013	7.941	0.012		0.417	0.015	G	0.48	0.02	H	8.0111	0.0019	0.013	83		7.99	8.03		C		1							S
86417	10.521	0.053	9.281	0.030	A	0.998	0.142	G	0.98	0.11	R *	9.2643	0.0023	0.021	52	*	9.23	9.30		D	17395−4214 H 1	2 C A	AB	299	2.850	0.042	2.96	0.27	
86418	9.554	0.025	8.514	0.018		0.980	0.015	G	0.96	0.01	H	8.5184	0.0026	0.017	55		8.49	8.55		C		1							
86419	8.198	0.010	7.483	0.015		0.632	0.015	G	0.70	0.01	H	7.5464	0.0012	0.009	51		7.53	7.56		C		1							S
86420						0.404	0.015	G	0.47	0.02	H	7.6497	0.0017	0.014	65		7.63	7.67			17395−1339 I 1	1 G							S
86421	10.011	0.022	8.537	0.012		1.241	0.020	T	1.20	0.02	L	8.5706	0.0018	0.015	91		8.55	8.59		C		1							
86422	6.970	0.005	6.882	0.005		0.086	0.007	T	0.10	0.01	L	6.9113	0.0009	0.008	122		6.90	6.93				1							S
86423											T	11.2105	0.0061	0.064	144		11.09	11.31		U		1 X S							G
86424	8.649	0.009	6.804	0.004		1.534	0.008	T	1.58	0.02	L	6.7533	0.0009	0.009	143		6.74	6.77			17395+0324 I 1	1							S
86425	8.629	0.018	8.122	0.017		0.460	0.015	G	0.53	0.02	H	8.1626	0.0021	0.012	56		8.14	8.18		C		1							
86426	9.726	0.024	9.311	0.025		0.451	0.020	G	0.52	0.02	H	9.3718	0.0019	0.016	67		9.35	9.40				1							
86427	8.689	0.025	8.254	0.025		0.374	0.003	G	0.44	0.00	H	8.3061	0.0027	0.015	44		8.28	8.33		C		1 S							
86428	9.456	0.018	8.202	0.011		1.069	0.016	T	1.03	0.01	L	8.2439	0.0016	0.014	104		8.22	8.27		C		1							
86429	9.633	0.029	8.921	0.025		0.642	0.029	T	0.71	0.03	L	8.9981	0.0018	0.016	57		8.97	9.03		C		1							
86430	10.387	0.030	9.956	0.031		0.421	0.035	T	0.49	0.04	L	9.9633	0.0072	0.171	140		9.89	11.23	0.82	P 1 A		1 S							G
86431	9.090	0.013	8.450	0.012		0.576	0.005	G	0.65	0.01	H	8.5116	0.0016	0.012	101		8.49	8.53		C		1							S
86432	7.124	0.008	7.158	0.012		0.009	0.005	G	0.03	0.01	H	7.1693	0.0062	0.041	79		7.13	7.23	1.92	P 1 A		1							S
86433	10.309	0.024	8.630	0.011		1.400	0.020	G	1.38	0.02	H	8.6060	0.0017	0.018	161		8.57	8.64				1							
86434	11.741	0.154	9.535	0.036		1.864	0.130	T	2.03	0.21	K	9.1014	0.0148	0.067	57		8.99	9.20		U 2		1 S							G
86435	8.174	0.009	7.616	0.008		0.522	0.011	T	0.59	0.01	L	7.6519	0.0014	0.010	93		7.63	7.67		C		1							S
86436	7.814	0.005	7.712	0.006		0.099	0.007	T	0.11	0.01	L	7.7400	0.0009	0.013	225		7.71	7.76				1							S
86437	10.852	0.085	10.771	0.139	*	0.489	0.107	G	0.56	0.11	R *	10.4564	0.0054	0.031	54	*	10.39	10.52		D	17397−4559 H 1	2 C A	AB	169	0.405	0.015	1.04	0.12	G
86438	9.216	0.015	8.451	0.012		0.697	0.015	T	0.75	0.01	L	8.5145	0.0014	0.012	111		8.49	8.54		C		1							S
86439	11.265	0.052	9.523	0.019		1.481	0.046	T	2.84	0.06	O	9.2066	0.0086	0.097	141		8.99	9.33		U 2		1 S							P
86440	12.005	0.155	10.083	0.043		1.630	0.133	T	1.87	0.25	K	10.0414	0.0023	0.022	95		10.00	10.08				1							G
86441	8.928	0.024	8.450	0.023	B	0.471	0.019	G	0.54	0.02	R	8.5769	0.0171			B				D	17398−0458 I 2	1 C I D							D
86442	8.836	0.009	8.418	0.009		0.409	0.010	T	0.48	0.01	L	8.4880	0.0016	0.018	171		8.46	8.52				1							
86443	10.481	0.029	9.997	0.030		0.458	0.030	G	0.53	0.03	H	10.0506	0.0027	0.027	150		10.01	10.09				1							G
86444	8.265	0.011	7.820	0.012	A	0.491	0.015	G	0.56	0.02	H	7.8751	0.0112	0.019	71	A	7.80	7.90		D	17398−0458 I 2	1 C P D							S D
86445	9.427	0.025	8.192	0.016		1.054	0.023	T	1.02	0.02	L	8.2449	0.0018	0.017	57		8.22	8.27				1							
86446	6.618	0.004	6.608	0.005		0.014	0.006	T	0.03	0.01	L	6.6113	0.0008	0.006	97		6.60	6.63				1							S
86447	10.132	0.035	9.446	0.030		0.634	0.038	T	0.70	0.03	L	9.5082	0.0023	0.018	67		9.48	9.53		C		1							
86448	10.424	0.036	10.117	0.042		0.292	0.052	T	0.33	0.07	L	10.1558	0.0025	0.022	85		10.12	10.19		C		1							G
86449	10.407	0.030	8.770	0.014	*	1.370	0.026	T	1.34	0.03	L *	8.7212	0.0016	0.018	187	*	8.68	8.75		D	17398−5439 H 1	2 C A	AB	211	0.255	0.024	2.28	0.26	
86450	8.332	0.011	8.219	0.013		0.285	0.015	G	0.32	0.02	H	8.2071	0.0039	0.034	86		8.13	8.26		U 2		1							S
86451	7.983	0.014	7.995	0.016		0.013	0.015	G	0.01	0.01	L	8.0172	0.0020	0.010	64		7.99	8.04				1							S
86452	8.414	0.010	8.099	0.010		0.299	0.013	T	0.34	0.02	L	8.1577	0.0022	0.015	89		8.14	8.19		C		1							
86453	9.758	0.020	9.072	0.017		0.630	0.020	G	0.70	0.02	H	9.1449	0.0018	0.017	116		9.12	9.18				1							
86454	9.591	0.020	8.927	0.017		0.605	0.020	T	0.67	0.02	L	8.9915	0.0016	0.014	108		8.97	9.02		C		1							
86455	9.323	0.023	8.657	0.021		0.607	0.023	T	0.68	0.02	L	8.7014	0.0017	0.013	61		8.67	8.73				1							
86456	9.591	0.018	8.502	0.013		0.930	0.015	G	0.98	0.02	I	8.5318	0.0027	0.024	97		8.50	8.57		U		1							
86457	8.457	0.011	7.212	0.007	*	1.062	0.010	T	1.03	0.01	L *	7.2318	0.0010	0.011	111	*	7.21	7.25		D	17399+0748 H 1	2 C A	AB	238	0.625	0.004	2.05	0.02	S
86458	10.706	0.035	10.048	0.031		0.580	0.015	G	0.65	0.01	H	10.1655	0.0023	0.031	150		10.11	10.21				1							G
86459	8.681	0.011	7.424	0.007		1.071	0.010	T	1.04	0.01	L	7.4670	0.0012	0.010	100		7.45	7.49		C		1							S
86460	9.182	0.016	8.867	0.018		0.299	0.023	T	0.34	0.03	L	8.9081	0.0015	0.014	98		8.88	8.94		C		1							
86461	10.181	0.038	9.623	0.037		0.527	0.039	T	0.60	0.04	L	9.7117	0.0018	0.014	60		9.68	9.74		D		1							G
86462	8.129	0.008	6.244	0.004		1.599	0.007	T	1.91	0.03	O	6.1427	0.0011	0.011	148		6.12	6.16		M		1							S
86463	6.665	0.005	6.539	0.006	*	0.122	0.007	T	0.14	0.01	L *	6.5588	0.0011	0.006	72	*	6.55	6.58		D	17400−0038 I 1	2 C S A	AB	110	0.159	0.008	0.17	0.26	S
86464	10.782	0.075	8.899	0.026		1.415	0.055	G	1.52	0.02	A	8.7855	0.0027	0.015	57		8.77	8.82				1							
86465	10.066	0.029	9.490	0.028		0.538	0.036	T	0.61	0.04	L	9.6093	0.0031	0.021	93		9.56	9.65		C		1							
86466	8.720	0.011	8.216	0.011		0.474	0.014	T	0.55	0.01	L	8.2841	0.0016	0.014	111		8.26	8.31				1							S
86467	11.833	0.131	9.956	0.037		1.560	0.108	T	1.58	0.11	L	9.8645	0.0023	0.024	82		9.82	9.91		D		1							G
86468	6.713	0.006	6.725	0.008		−0.009	0.009	T	0.01	0.01	L	6.7487	0.0018	0.010	76		6.73	6.77				1							S
86469	9.932	0.025	8.768	0.016		0.999	0.023	T	0.98	0.02	L	8.8440	0.0016	0.016	102		8.82	8.87		C		1							
86470	10.817	0.051	9.875	0.034		0.831	0.045	T	0.85	0.03	L	9.9068	0.0024	0.023	113		9.87	9.96		C		1							G
86471	8.976	0.010	7.809	0.007	A	1.001	0.009	T	0.98	0.01	L	7.8681	0.0069	0.026	151	A	7.84	7.92		D	17401+2914 I 2	1 C P A							S
86472	12.112	0.154	10.495	0.054	B	1.354	0.128	T	1.32	0.15	L	10.6179	0.0779			B				D	17401+2914 I 2	1 C I A							
86473	9.126	0.013	8.612	0.012		0.483	0.016	T	0.55	0.02	L	8.6755	0.0016	0.016	102		8.65	8.71		C		1							S
86474	7.414	0.008	7.446	0.013		−0.025	0.014	T	0.00	0.01	L	7.4441	0.0018	0.010	50		7.43	7.46		C		1							S
86475	8.186	0.011	7.721	0.009		0.460	0.004	G	0.53	0.00	H	7.7806	0.0012	0.008	64		7.77	7.79		C		1							S
86476	8.306	0.011	6.368	0.006		1.608	0.010	T	1.63	0.01	L	6.1935	0.0034	0.023	71		6.17	6.23		U 2		1 S							S
86477	8.546	0.008	8.528	0.010		0.017	0.011	T	0.04	0.01	L	8.5465	0.0019	0.018	191		8.52	8.58				1							
86478	10.286	0.023	8.946	0.013		1.136	0.021	T	1.10	0.02	L	8.9920	0.0014	0.018	173		8.96	9.02		C		1							
86479	11.718	0.113	10.767	0.080		0.838	0.103	T	0.86	0.08	L	10.8876	0.0066	0.055	80		10.76	10.98		R		1 X							G
86480	10.030	0.027	8.950	0.018	*	0.934	0.024	T	0.93	0.02	L *	9.0165	0.0021	0.017	109	*	8.99	9.05			17403−5945 H 1	2 C B	AB	65	0.274	0.062	2.62	0.54	
86481	7.534	0.007	7.065	0.007		0.442	0.009	T	0.51	0.01	L	7.1113	0.0008	0.007	93		7.10	7.13		C		1							S
86482	7.560	0.012	6.988	0.015	A	0.559	0.014	G	0.63	0.01	H *	6.8689	0.0010	0.008	107	*	6.86	6.89		D	17403+6341 I 1	2 C A	AB	319	1.602	0.004	1.36	0.02	S
86483	9.194	0.014	7.334	0.007		1.546	0.012	T	1.61	0.03	L	7.3006	0.0011	0.010	101		7.28	7.32				1							S
86484	8.832	0.016	8.378	0.016		0.463	0.015	G	0.53	0.02	H	8.3999	0.0014	0.012	59		8.39	8.42		C		1							
86485	8.877	0.011	8.347	0.010		0.497	0.013	T	0.57	0.01	L	8.4088	0.0014	0.013	102		8.39	8.44		C		1							S
86486	5.240	0.005	4.806	0.004		0.415	0.020	G	0.49	0.02	A	4.8500	0.0008	0.006	58		4.84	4.86		C		1							S
86487	7.446	0.006	7.252	0.007		0.178	0.009	T	0.20	0.01	L	7.2807	0.0022	0.018	93		7.25	7.31	0.53	P 1 A		1							S P
86488	9.486	0.015	8.190	0.009		1.102	0.014	T	1.06	0.01	L	8.2489	0.0016	0.015	132		8.23	8.28				1							S
86489											T	10.8103	0.0051			C				D	17405−4352 I 2	1 C I C							
86490	9.076	0.019	8.346	0.016	A	0.642	0.023	G	0.71	0.02	H	8.4289	0.0044	0.029	54	A	8.38	8.48		D	17405−4352 I 2	1 C P C							
86491	9.818	0.034	9.310	0.034		0.488	0.036	T	0.56	0.04	L	9.3717	0.0020	0.020	63		9.34	9.41				1							
86492	10.384	0.033	9.921	0.036		0.436	0.045	T	0.50	0.05	L	9.9727	0.0027	0.029	101		9.88	10.03				1							
86493	9.190	0.014	7.813	0.009		1.165	0.013	T	1.13	0.01	L	7.8568	0.0018	0.014	104		7.83	7.88				1							S
86494	10.300	0.033	7.916	0.010		1.965	0.028	T	2.00	0.03	L	7.7278	0.0021	0.020	63		7.69	7.75		U		1							
86495	10.794	0.077	10.081	0.071		0.642	0.079	T	0.71	0.07	L	10.1144	0.0031	0.023	56		10.08	10.17		C		1							G
86496	10.218	0.053	9.499	0.046		0.753	0.015	G	0.80	0.01	H	9.5350	0.0043	0.020	55		9.50	9.56		C		1							
86497	9.006	0.028	7.809	0.018		1.025	0.026	T	1.00	0.02	L	7.8644	0.0028	0.016	55		7.84	7.89				1							
86498	9.419	0.021	8.980	0.022		0.428	0.024	T	0.50	0.03	L	9.0541	0.0020	0.015	65		9.03	9.08		C		1							
86499	7.950	0.008	6.891	0.005		0.918	0.007	T	0.92	0.01	L	6.9488	0.0008	0.008	110		6.94	6.97		C		1							S
86500	8.286	0.019	7.768	0.016	A	0.496	0.015	G	0.57	0.02	H *	7.7576	0.0013	0.009	63	*	7.74	7.77		D	17406−3539 I 1	2 C A	AB	127	1.162	0.019	2.19	0.06	S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)																						Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	$\alpha*$	$\alpha*$	δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr																			%	
1 2	3	4	5 6 7		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28									29	30
86501	17 40 37.52	+43 28 13.9	6.36	H	265.156 316 76	+43.470 527 64		8.41	54.62	56.79	0.44	0.51	0.54	0.46	0.62	+12	−23	−13	−15	−	7	−	3	−11	−13	+10	+10										1	0.19
86502	17 40 37.62	−35 21 59.1	8.83	H	265.156 758 79	−35.366 420 76		1.66	−3.49	−5.43	1.43	0.95	1.49	1.58	0.99	−	6	−41	−19	+36	−24	−	5	−15	+58	−13	−19										0	−1.20
86503	17 40 38.61	+37 52 18.7	9.20	H	265.160 864 69	+37.871 862 97		2.37	−0.92	−8.70	0.71	0.84	0.93	0.75	0.95	+	6	−15	+12	+21	+	4	−17	+12	−13	+	5	+26										0	−0.27
86504	17 40 40.35	−30 16 57.3	9.44	H	265.168 145 35	−30.282 585 41		6.15	−0.57	−8.49	1.41	0.82	1.60	1.47	0.79	+	1	−39	−17	+	8	−29	−	1	−20	+59	−12	−	3										0	0.32
86505	17 40 40.56	−62 09 44.5	8.40	H	265.169 008 59	−62.162 369 13		1.68	8.41	−27.71	0.73	0.60	0.98	1.01	0.69	+	7	−21	+	4	−	8	−16	+	5	−16	−	8	+18	+	3									0	0.77
86506 H	17 40 41.23	+31 17 15.6	6.30	H	265.171 781 62	+31.287 660 77	A	8.09	−59.41	−75.11	0.49	0.55	0.66	0.49	0.56	+18	−26	−21	+13	+	6	−18	+	3	−13	−	9	+	6										1	0.06
86507	17 40 43.01	−27 53 34.8	8.25	H	265.179 214 20	−27.893 010 10		2.66	7.00	−18.06	1.08	0.83	1.16	1.37	0.85	−	30	−24	−34	+31	−59	+21	−39	+75	−30	−54										0	0.47
86508	17 40 43.36	−32 09 20.3	7.26	H	265.180 648 62	−32.155 649 03		2.17	−1.59	−6.41	0.81	0.56	0.87	0.95	0.58	−24	−23	−	7	+23	−30	−11	−27	+53	−	4	−27										0	0.90
86509	17 40 43.79	−07 46 13.2	10.32	2 H	265.182 473 33	−07.770 334 46		22.13	−20.63	27.47	1.67	1.24	1.97	1.77	1.30	+30	−39	−36	+	9	+	5	−14	−16	−41	+21	−	5										0	−0.15
86510	17 40 44.57	−67 51 14.8	6.48	H	265.185 705 32	−67.854 121 44		8.60	−43.14	−20.85	0.41	0.45	0.69	0.57	0.50	−	5	−	2	−14	+31	−30	−	5	−27	+12	−12	−	9										0	−1.75
86511	17 40 44.94	+04 09 03.6	7.62	H	265.187 256 52	+04.150 999 03		5.65	−0.19	−13.37	0.70	0.49	0.84	0.79	0.47	−13	−29	+15	+21	+32	+	8	+28	+40	−16	−10										0	1.52
86512	17 40 48.48	−31 32 31.7	11.52	3 H	265.201 991 92	−31.542 142 97		10.54	3.26	−10.68	3.21	2.28	3.41	4.05	2.35	−	3	−17	−17	+43	−	9	+12	−	8	+73	−10	+	8										10	1.36
86513	17 40 48.62	+57 26 06.5	8.66	H	265.202 588 04	+57.435 128 34		2.10	4.80	6.21	0.69	0.76	0.76	0.75	0.88	−13	+12	−29	+	2	+17	+	6	+19	−	8	−	2	−24										2	0.28
*86514	17 40 49.96	+31 16 44.0	7.90	H	265.208 169 01	+31.278 887 45		6.82	−8.12	−14.06	0.50	0.59	0.76	0.55	0.66	+14	−19	−21	+19	+10	−26	+	5	+	7	+	2	+	8										0	−0.24
*86515	17 40 49.90	−23 50 10.0	7.90	G	265.207 903 80	−23.836 124 85		0.63	−0.26	−1.17	1.04	0.72	1.14	1.32	0.96	−19	−32	−25	+25	−27	−	4	−19	+36	−14	−60										0	−0.32
86516	17 40 50.10	−49 57 28.1	7.30	H	265.208 751 43	−49.957 802 39		13.63	114.87	−184.62	0.93	0.67	1.04	1.03	0.75	−29	−37	+	9	+32	−36	−15	−22	+33	−21	−31										0	1.12
86517	17 40 50.25	−22 18 11.1	9.95	H	265.209 366 87	−22.303 069 65		3.60	−80.33	−43.76	1.67	1.13	1.83	2.42	1.63	+	4	−13	−16	+	4	−	9	−10	−13	−	2	+18	−32										0	0.58
86518	17 40 50.87	−52 37 34.7	7.61	H	265.211 958 76	−52.626 317 16		3.06	12.73	−45.00	0.90	0.60	1.08	1.00	0.60	−50	−34	+26	+29	−34	+13	−34	+	9	+	9	−33										0	−0.99
86519	17 40 51.20	−20 51 51.6	8.84	H	265.213 317 74	−20.864 325 41		4.49	−2.33	−4.22	1.12	0.77	1.18	1.20	0.90	−10	−35	−15	+22	−28	+	2	−22	+29	−	9	−40										0	1.43
86520	17 40 51.61	+29 39 54.1	8.38	H	265.215 057 95	+29.665 018 13		1.32	11.95	6.21	0.64	0.68	0.88	0.74	0.80	+10	−15	−12	−	4	+11	−11	+	9	+	5	+	2	+15										0	0.72
86521	17 40 51.76	+26 26 15.1	9.75	H	265.215 646 45	+26.437 528 00		23.78	194.53	−302.64	0.78	0.96	1.30	1.00	1.15	+	1	+	1	−	3	−	2	+	1	−	7	−	1	+14	−15	+13									0	−1.16
86522	17 40 52.90	−29 35 58.9	8.65	H	265.220 399 39	−29.599 689 14		3.52	17.99	0.50	1.22	0.74	1.33	1.24	0.72	−	5	−42	−16	+23	−31	+	4	−18	+63	−12	−20										0	0.02
86523	17 40 53.40	−12 54 56.9	8.47	G	265.222 515 37	−12.915 795 85		4.28	14.16	−5.01	1.04	0.60	1.19	1.03	0.59	+	5	−25	−18	−15	+11	−	7	+	6	−36	+	6	−15										2	2.34
86524	17 40 53.63	−14 15 30.1	8.57	H	265.223 453 14	−14.258 348 49		1.81	32.59	−12.25	1.03	0.68	1.15	1.21	0.77	+13	−34	−28	+	4	−15	+	0	−13	+	7	−	1	−	2										3	0.21
86525	17 40 56.00	+74 26 50.9	8.94	H	265.233 316 24	+74.447 472 40		4.74	−4.48	12.94	0.77	0.67	0.76	0.74	1.00	+30	−29	+	2	−48	−20	+	4	−17	−54	−11	+18										0	0.10
86526	17 40 57.39	+00 08 07.6	10.21	H	265.239 140 52	+00.135 437 09		1.67	−3.36	−15.13	2.36	1.19	2.82	2.41	1.19	+10	−55	+	6	−	3	+	2	−19	+15	−13	−24	+12										0	1.35
86527	17 40 58.55	−32 12 52.0	6.01	2 T	265.243 948 21	−32.214 448 35		2.13	−2.03	−6.55	0.78	0.53	0.80	0.93	0.55	−23	−16	−	8	+36	−26	−	1	−24	+56	+	1	−26										0	0.45
86528	17 40 59.43	−57 53 36.5	9.15	H	265.247 617 97	−57.893 483 60		3.32	−13.27	−16.40	1.22	0.81	1.34	1.54	0.83	−	9	+	4	−	1	−40	+	0	−14	+	0	−41	−	1	+	4								0	−0.07
86529	17 40 59.75	+21 55 43.5	9.86	H	265.248 945 14	+21.928 744 20		4.93	5.51	13.42	1.06	1.11	1.70	1.21	1.22	+10	−19	+	8	−21	+17	−	6	+18	+14	−13	+15		2	1.46											
*86530	17 41 00.07	−38 06 48.0	8.58	H	265.250 274 30	−38.113 345 42		5.15	3.41	−1.31	1.12	0.75	1.28	1.35	0.87	+	7	−39	−11	+26	+	0	+13	−	5	+46	+16	+	7										0	0.93
*86531	17 41 00.04	−47 51 32.0	8.91	H	265.250 184 25	−47.858 899 09		4.29	21.25	−17.29	1.27	0.96	1.48	1.41	1.10	−11	−32	−20	+48	−15	+	7	−	2	+45	−32	−18										0	0.43
86532	17 41 00.61	−53 31 38.7	10.28	H	265.252 528 28	−53.527 411 02		−2.25	2.37	−19.35	1.69	1.26	2.37	2.00	1.26	−32	−25	+	9	−10	+	0	+13	+	1	−53	+18	−22										5	−0.69
86533	17 41 01.32	−24 00 15.8	9.95	H	265.255 505 84	−24.004 383 40		−1.71	−4.53	−1.87	1.81	1.17	1.98	2.40	1.50	−	3	−28	−23	+28	−33	−15	−27	+41	−12	−39										0	−1.28
86534	17 41 04.23	+69 13 12.9	9.67	H	265.267 608 25	+69.220 261 47		24.18	127.56	217.27	0.99	1.05	1.03	1.38	1.35	+16	−	6	−13	−17	−18	−	5	−13	−40	+	1	+38										0	−1.08
86535	17 41 04.70	−34 53 45.3	8.48	H	265.269 564 71	−34.895 911 45		5.40	−19.70	−42.70	1.23	0.83	1.32	1.49	0.91	−	3	−42	−19	+37	−11	−12	−	6	+57	−16	+	2										0	0.47
86536	17 41 05.20	−65 04 42.3	9.15	H	265.271 673 82	−65.078 412 83		11.01	11.28	−23.24	0.94	0.91	1.29	1.12	0.96	−	9	−16	−15	+17	−20	+23	−18	+22	+16	−10										0	1.15
86537	17 41 05.50	+24 30 47.2	6.37	G	265.272 906 43	+24.513 120 96	A	4.88	−18.35	54.84	0.87	1.17	1.32	0.92	1.19	+	8	−	7	+	1	−	7	+	4	−	1	+	1	+	9	+	9	+19				2	1.92
86538	17 41 05.64	+24 31 03.4	9.21	H	265.273 518 57	+24.517 603 08	B	2.06	1.21	54.17	21.17	29.27	11.60	14.26	19.79	+	7	−	6	+	2	−	5	+	3	−	3	+	1	+14	+	5	+19				2	1.92
86539	17 41 05.70	−01 23 46.1	8.14	H	265.273 730 15	−01.396 130 99		4.08	1.60	1.89	0.93	0.66	1.09	1.16	0.77	+	1	−31	−	1	+	9	+17	+25	+13	−	8	+19	+18									2	−0.33
86540	17 41 06.93	+72 25 10.6	7.60	H	265.278 895 73	+72.419 620 37		34.57	−121.86	297.22	0.62	0.56	0.68	0.65	0.85	+16	−23	−	2	−17	+	5	−10	+12	−48	−25	+	9										0	−0.87
86541 H	17 41 07.33	+16 27 52.3	8.43	H	265.280 554 94	+16.464 518 73	A	3.77	−10.00	−4.32	1.06	0.94	1.40	1.25	1.01	+39	−33	−12	+	9	+35	+	5	+34	+23	−	8	+	4									0	−0.60
86542	17 41 07.96	−41 43 01.0	11.00	G	265.283 146 82	−41.716 956 18		20.10	−30.52	−246.07	2.12	1.75	2.20	2.90	2.24	−10	−25	−18	+30	−25	−	3	−25	+54	−	5	−	4										0	0.19
86543	17 41 10.54	+14 41 54.8	9.13	H	265.293 908 03	+14.698 562 80		7.07	−5.14	11.75	1.02	1.02	1.31	1.06	1.09	+10	+	6	−10	+11	+45	−	3	+40	+51	−13	+24			0	−1.43								
86544	17 41 10.64	−65 19 40.0	8.48	H	265.294 349 61	−65.327 766 30		8.13	−43.78	−38.39	0.80	0.77	1.09	0.90	0.83	−10	−24	−22	+11	−14	+11	−14	+	9	+13	−12		2	0.40											
86545	17 41 10.70	−33 58 07.1	8.18	H	265.294 597 04	−33.968 636 12		7.35	−8.70	−12.89	1.14	0.79	1.27	1.53	0.83	−	7	−21	−35	+35	−24	+	3	−18	+57	−15	−12		0	1.96											
86546	17 41 11.00	+15 10 42.2	6.34	H	265.295 820 24	+15.178 387 82		7.76	−7.69	−4.83	0.69	0.61	0.82	0.65	0.66	+22	−17	−15	+33	+44	+	9	+50	+43	−12	+22		0	0.80											
86547	17 41 11.24	−41 41 30.1	8.53	H	265.296 830 53	−41.691 701 12	A	5.60	6.83	−8.61	3.37	2.93	2.56	4.08	3.15	−19	−26	−21	+44	−27	−	6	−26	+61	−10	−13		14	1.57											
86548	17 41 12.36	−41 41 21.5	10.45	H	265.301 510 63	−41.689 309 35	B	10.24	31.65	−3.92	24.68	20.64	16.73	26.23	20.01	−18	−26	−25	+35	−27	−10	−26	+53	−13	−19		14	1.57											
86549	17 41 13.70	+35 44 17.7	8.07	H	265.307 069 24	+35.738 236 40		2.59	4.42	10.60	0.64	0.64	0.79	0.73	0.79	+	4	−	9	+	7	+24	+13	−16	+17	+11	−	9	+16			3	0.74							
86550 H	17 41 13.81	+41 39 17.7	7.00	H	265.307 559 30	+41.654 910 78	A	5.39	−8.41	12.87	1.59	1.44	1.50	1.62	1.93	−	1	+22	−11	+12	+	0	−11	−	2	+21	−24	−16		0	1.95											
86551	17 41 15.65	−34 58 08.8	7.80	H	265.315 195 74	−34.969 105 25		11.05	−30.10	−39.97	1.13	0.77	1.18	1.39	0.85	+	1	−39	−21	+41	−	9	−	7	−	3	+61	−16	+	4		0	−0.26							
86552	17 41 16.23	−46 55 18.5	5.78	H	265.317 632 02	−46.921 811 16		4.94	10.77	−7.68	0.88	0.67	0.90	1.12	0.84	−	3	−10	−	6	+53	+	0	+25	+	2	+51	+	3	+15		0	−0.96							
86553	17 41 16.64	+05 55 57.5	7.65	1 H	265.319 328 09	+05.932 627 64		4.61	4.87	4.81	0.65	0.49	0.91	0.69	0.51	−13	−17	+	0	−	3	+29	+	0	+28	+25	−31	−	4		0	−1.63							
86554	17 41 17.67	+61 36 20.5	8.45	H	265.323 632 67	+61.605 692 04	A	1.55	1.22	3.49	2.12	2.41	1.82	1.93	2.44	+	1	−10	+19	−	7	+	5	−	7	+	5	−	2	+	1	+10		5	1.65					
86555	17 41 17.94	−19 27 26.8	8.90	G	265.324 769 64	−19.457 431 11		7.64	1.27	−51.54	1.21	0.81	1.24	1.59	1.11	+10	−40	−	3	+10	−21	+	9	−18	+	8	+	2	+18		0	−0.58							
86556	17 41 18.08	+11 14 32.6	9.10	H	265.325 325 94	+11.242 393 33		3.14	1.24	−6.25	1.02	0.87	1.25	0.98	0.86	−	7	−	5	−27	+	1	+53	−12	+52	+10	+	8	+	6		2	3.47							
86557	17 41 18.74	−40 58 22.0	7.92	H	265.328 068 64	−40.972 777 85		1.96	−5.99	1.02	1.00	0.82	1.04	1.20	0.94	−12	−18	−	5	+38	−19	+14	−19	+61	−	1	−	4		0	0.60							
86558	17 41 19.44	−33 41 26.4	8.60	H	265.331 018 06	−33.690 663 98		2.54	−0.75	−6.76	1.16	0.80	1.30	1.57	0.88	−13	−16	−18	+20	−17	−	4	−20	+51	+	0	−	3		0	−0.81							
86559	17 41 19.62	+11 46 54.3	10.51	H	265.331 747 76	+11.781 743 77		8.23	−57.51	−42.48	1.57	1.29	1.91	1.55	1.32	+	8	−	4	−24	+25	+48	−	9	+51	+15	+	2	+21		4	0.06							
86560	17 41 20.05	+61 36 18.6	9.75	H	265.333 561 99	+61.605 166 74	B	−0.45	−5.17	5.45	13.25	11.45	4.54	4.74	5.99	+	3	−	7	+18	+	3	+	4	−	9	+	4	+	0	+	2	+10		5	1.65			
86561	17 41 21.81	+51 49 05.5	6.00	H	265.340 855 23	+51.818 182 47		9.83	−28.54	−0.27	0.46	0.53	0.48	0.52	0.69	−	3	−	5	−	9	+13	+10	+	4	+10	−31	−	0	+	2		1	1.05							
86562	17 41 22.18	−66 05 47.7	11.68	2 H	265.342 431 82	−66.096 578 61		−2.44	−7.61	−24.28	2.32	2.71	4.18	3.43	3.05	−	8	−11	−13	+13	−	9	+20	−	6	+21	+	5	+	1		3	−0.49							
86563	17 41 22.51	+51 28 16.8	8.15	H	265.343 810 79	+51.471 345 60		1.63	−8.14	−0.42	0.59	0.62	0.64	0.73	0.75	+	6	−	5	−18	+26	+14	+	1	+16	−	6	+12	+14			0	1.56							
86564	17 41 23.36	+67 09 07.0	6.64	H	265.347 339 05	+67.151 951 09		2.87	−8.43	22.01	0.53	0.54	0.55	0.58	0.65	+13	−25	−13	−	6	−	6	+	3	−	2	−27	−	1	+27		0	2.54							
86565	17 41 24.92	−12 52 30.6	4.24	H	265.353 818 84	−12.875 172 68		19.41	−72.16	−55.22	0.90	0.53	1.07	0.72	0.49	+19	−51	−34	−24	+11	−	7	−	4	−47	+15	−31			5	0.55								
86566	17 41 25.66	−53 37 37.9	10.13	2 H	265.356 913 73	−53.627 200 57		1.86	6.44	−16.65	1.50	1.08	2.03	1.73	1.08	−31	−29	+	6	−17	−	7	+	5	−	5	−48	+22	−20		0	−0.87							
86567	17 41 27.12	+34 16 44.8	8.17	H	265.363 013 18	+34.279 109 39		5.66	−10.90	38.18	0.61	0.70	0.85	0.63	0.78	+	3	−16	−17	−12	+	8	−12	+	6	−	7	−	3	+	7		0	1.16							
86568	17 41 27.33	+70 27 51.1	9.72	G	265.363 866 50	+70.464 207 83		17.00	−211.11	81.09	0.94	1.00	1.02	1.07	1.25	+	6	−16	−	7	+	3	+	9	−18	+11	−15	−	1	+18		0	−0.29							
86569 H	17 41 27.68	−53 48 10.5	9.38	G	265.365 350 87	−53.802 916 05	*	16.72	−51.02	−29.69	1.28	1.03	1.80	1.49	1.06	−33	−18	−	7	−15	+	1	−	2	+	3	−56	+32	−27		0	0.85							
86570 H	17 41 27.98	+37 51 42.0	7.82	G	265.366 588 26	+37.861 659 91	A	5.19	−2.69	−4.84	0.77	0.88	0.89	0.74	0.94	+12	−	9	+	9	+25	+	8	−17	+	8	+	1	+	9	+14		1	−0.11							
86571	17 41 28.77	−44 27 25.8	8.27	H	265.369 894 31	−44.457 166 21		5.42	1.43	−32.24	1.10	0.84	1.23	1.25	1.00	+	0	−36	−17	+37	−22	−16	−17	+43	−16	−	5			0	0.93								
86572	17 41 30.69	−34 04 24.6	7.51	H	265.377 883 09	−34.073 487 26		5.34	10.25	−11.29	0.96	0.65	1.03	1.27	0.71	−14	−19	−28	+39	−23	+	5	−19	+53	−	8	−17			0	−0.12								
86573	17 41 31.53	−51 54 09.2	9.02	H	265.381 360 01	−51.902 558 71		−0.54	−0.92	3.16	1.27	0.97	1.44	1.56	1.23	−40	−21	+	0	+16	−53	+23	−53	+30	−10	−22			2	−0.04								
86574	17 41 31.68	+46 19 23.7	8.91	G	265.381 985 35	+46.323 255 47		4.80	−4.31	−7.27	0.78	0.75	0.83	0.92	0.92	+	9	−	2	−	9	+32	+18	−	8	+20	−	7	+16	+17		0	0.34							
*86575	17 41 32.32	+06 18 47.4	5.97	H	265.384 686 25	+06.313 164 23		2.63	−2.97	−3.22	0.58	0.41	0.78	0.66	0.44	−	3	−24	+	2	+19	+25	+	8	+27	+31	−31	+	0		2	−0.35							
*86576	17 41 32.29	+19 08 50.4	7.82	H	265.384 534 58	+19.147 326 64		4.38	−1.66	9.84	0.53	0.61	0.85	0.74	0.73	−	8	−14	+	1	+22	+	4	+20	+	6	+42	−15	−24		0	−0.15							
86577	17 41 35.71	+28 12 46.6	7.75	H	265.398 781 40	+28.212 951 06		3.53	0.52	−21.99	0.51	0.56	0.78	0.66	0.65	+13	−	7	−10	+	1	+	1	−15	+	0	+	5	−	9	+12		0	−1.84							
86578	17 41 35.96	+65 55 26.4	8.58	H	265.399 817 68	+65.924 007 97		0.30	−2.85	−0.20	0.57	0.73	0.68	0.41	0.74	−15	−	6	−	5	−59	+	6	+	3	+	5	−31	+	3	−25		2	0.25							
86579	17 41 37.43	+29 35 56.6	7.81	H	265.405 976 20	+29.599 049 04		4.81	3.50	−28.68	0.56	0.60	0.78	0.62	0.68	+12	−	5	−13	−11	+	8	−	5	+	7	+	1	+	5	+12		1	−1.02							
*86580	17 41 37.94	−32 06 43.7	7.91	H	265.408 097 15	−32.112 133 12		3.61	−0.59	−18.85	0.87	0.59	0.95	1.05	0.60	−14	−25	−11	+22	−29	−	1	−25	+56	−	6	−15			0	1.76								
*86581	17 41 37.93	+04 10 15.8	8.51	H	265.408 045 11	+04.171 050 34		3.96	0.84	0.12	0.88	0.57	1.03	0.93	0.54	−17	−31	+14	+11	+36	+	9	+33	+31	−22	−14			0	−1.40								
86582	17 41 39.35	−00 40 38.0	8.43	H	265.413 977 21	−00.677 214 42		2.45	8.79	1.25	0.98	0.71	1.19	1.25	0.87	+12	−41	−23	+11	+	4	+20	+	1	−	2	+18	+11			0	0.25								
86583	17 41 39.66	−25 58 20.4	10.21	H	265.415 261 67	−25.972 326 07		7.05	−79.74	58.12	1.88	1.15	2.07	2.01	1.38	−11	−48	−11	+20	−13	−21	−13	+17	+	3	−49		0	−0.20								
86584	17 41 39.89	+23 05 20.1	10.68	H	265.416 190 69	+23.088 924 33		1.59	−3.88	−5.73	1.83	2.70	3.90	2.70	3.28	+	6	−10	−17	+31	+20	−	6	+21	+	6	+	3	+24	0									
86585	17 41 41.56	+47 20 48.1	8.69	H	265.423 179 24	+47.346 691 41		0.10	−7.78	−6.06	0.76	0.84	0.88	0.81	0.96	+	3	−23	−	9	−22	+12	+	4	+10	−14	+	8	+	1	0	1.05								
86586	17 41 43.22	+24 34 22.2	7.30	H	265.430 091 79	+24.572 834 11		5.33	2.29	−27.70	0.39	0.55	0.83	0.47	0.63	+	3	−	5	+	3	−14	+	8	−	9	+	2	+14	+	3	+22	0	−1.11							
86587	17 41 44.14	+26 26 22.7	9.52	H	265.433 897 93	+26.439 634 19		1.96	−4.02	−19.59	0.83	0.92	1.37	1.08	1.16	+13	−	5	+12	+12	+	9	+	4	+10	+15	−17	+14			0	0.18								
86588	17 41 44.45	+39 59 11.6	9.49	2 H	265.435 218 79	+39.986 543 87		−1.13	6.01	−20.37	0.78	0.95	1.03	0.78	1.20	+	7	−15	−	2	+	0	+	0	−	2	+	2	−	5	−12	+14	0	−0.19							
86589	17 41 44.82	−50 44 59.7	8.77	H	265.436 730 32	−50.749 903 53		6.77	16.12	5.56	1.43	1.03	1.43	1.71	1.32	−31	−31	−	2	+50	−25	+	7	−16	+54	−20	−25			0	0.63								
86590	17 41 46.77	+41 46 55.9	9.08	H	265.444 864 67	+41.782 184 28		2.64	5.85	−3.05	0.74	0.82	0.90	0.79	1.22	+	3	−	2	−	3	+14	−

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
86501	7.914	0.008	6.494	0.005		1.199	0.007	T	1.16	0.01	L	6.5196	0.0007	0.008	125		6.50	6.54					1							S
86502	10.853	0.074	9.057	0.026		1.160	0.040	G	1.12	0.04	R	9.0002	0.0022	0.016	69		8.97	9.03		D			1 S							
86503	9.601	0.015	9.234	0.016		0.348	0.020	T	0.41	0.03	L	9.2819	0.0020	0.022	120		9.24	9.32		C			1							
86504	9.908	0.030	9.508	0.032		0.391	0.037	T	0.46	0.04	L	9.5283	0.0038	0.027	81		9.48	9.57					1							G
86505	10.296	0.026	8.556	0.011		1.451	0.022	T	1.45	0.04	L	8.5320	0.0013	0.019	138		8.50	8.56					1							
86506	7.688	0.006	6.427	0.004	*	1.075	0.005	T	1.04	0.00	L	*	6.4629	0.0008	0.009	158	*	6.45	6.48			17407+3117	I 2	2 C A	AC	77	0.784	0.015	3.81	0.07	S
86507	8.469	0.012	8.258	0.013		0.195	0.017	T	0.21	0.02	L		8.3156	0.0017	0.012	80		8.30	8.34					1							
86508	7.203	0.009	7.237	0.010		−0.015	0.011	G	−0.01	0.01	L		7.2606	0.0011	0.010	84		7.24	7.28		C			1							S
86509	11.886	0.133	10.427	0.057		1.070	0.015	G	1.03	0.01	H		10.4611	0.0065	0.089	81		10.38	10.68		U 2			1							G
86510	7.756	0.005	6.592	0.004		0.999	0.005	T	0.98	0.02	A		6.6462	0.0007	0.008	201		6.63	6.66		C			1							S
86511	7.763	0.007	7.638	0.007		0.121	0.009	T	0.14	0.01	L		7.6706	0.0010	0.010	134		7.65	7.69		C			1							S
86512											T		11.6050	0.0586	0.315	67		10.93	11.91	0.43	P 1 A			1 S							G
86513	9.425	0.017	8.740	0.014		0.633	0.018	T	0.70	0.02	L		8.7928	0.0014	0.013	109		8.77	8.82		C			1							
86514	8.066	0.007	7.905	0.010		0.155	0.011	T	0.17	0.01	L		7.9572	0.0014	0.017	156		7.93	7.99			17407+3117	I 2	1							S
86515	8.240	0.014	7.917	0.014		0.355	0.008	G	0.42	0.01	H		7.9843	0.0009	0.013	55		7.96	8.01		D			1							S
86516	8.137	0.012	7.375	0.010		0.677	0.002	G	0.74	0.00	H		7.4365	0.0011	0.009	60		7.42	7.45		C			1							S
86517	10.865	0.078	10.099	0.071		0.682	0.080	T	0.74	0.07	L		10.0886	0.0058	0.026	48		10.06	10.14					1 S							G
86518	9.317	0.016	7.783	0.009		1.289	0.014	T	1.25	0.01	L		7.7646	0.0014	0.013	126		7.74	7.79		C			1							
86519	9.337	0.023	8.882	0.024		0.443	0.026	T	0.51	0.03	L		8.9398	0.0021	0.015	55		8.92	8.97		C			1 S							
86520	9.980	0.022	8.522	0.012		1.229	0.020	T	1.19	0.02	L		8.5460	0.0016	0.020	153		8.51	8.58					1 S							
86521	11.052	0.043	9.904	0.025		0.986	0.039	T	0.97	0.03	L		9.9105	0.0025	0.027	155		9.87	9.97					1							
86522	10.315	0.033	8.833	0.017		1.248	0.029	T	1.21	0.03	L		8.8147	0.0021	0.013	90		8.79	8.84		C			1							
86523	8.716	0.017	8.539	0.020		0.199	0.020	G	0.22	0.02	H		8.5470	0.0021	0.014	81		8.52	8.57		C			1							
86524	10.143	0.035	8.750	0.019		1.178	0.031	T	1.14	0.03	L		8.7319	0.0018	0.014	69		8.70	8.76		C			1							
86525	9.217	0.015	8.986	0.017		0.220	0.021	T	0.24	0.02	L		9.0032	0.0018	0.013	100		8.98	9.02		C			1							
86526	11.839	0.134	10.305	0.060		1.289	0.116	T	1.25	0.12	L		10.3671	0.0040	0.022	55		10.31	10.40		C			1							G
86527	8.234	0.018	6.214	0.008		1.673	0.016	T	1.70	0.02	L		6.1497	0.0126	0.051	79		6.07	6.21		U 2			1							S P
86528	11.081	0.058	9.341	0.022		1.451	0.049	T	1.45	0.08	L		9.2884	0.0027	0.023	110		9.26	9.32					1							
86529	11.375	0.058	9.990	0.027		1.172	0.050	T	1.13	0.04	L		10.0264	0.0025	0.033	142		9.96	10.08					1							
86530	9.119	0.020	8.610	0.019		0.489	0.021	T	0.56	0.02	L		8.6909	0.0025	0.014	64		8.67	8.71		C			1							
86531	9.313	0.023	8.957	0.025		0.337	0.032	T	0.39	0.04	L		8.9954	0.0028	0.016	55		8.97	9.02		C			1							
86532	12.188	0.168	10.433	0.052		0.687	0.400	G	1.78	0.14	S		10.3796	0.0035	0.041	134		10.31	10.45		R			1 S							G
86533	10.551	0.070	10.138	0.081		0.390	0.099	T	0.46	0.11	L		10.0421	0.0022	0.018	48		10.01	10.07		D			1							G
86534	11.027	0.069	9.778	0.037		1.065	0.061	T	1.03	0.05	L		9.8304	0.0041	0.030	87		9.78	9.88		R			1							
86535	9.061	0.019	8.545	0.019		0.494	0.020	T	0.57	0.02	L		8.5901	0.0013	0.013	67		8.55	8.61					1							
86536	9.663	0.019	9.235	0.020		0.404	0.025	T	0.47	0.03	L		9.2406	0.0023	0.024	111		9.19	9.29					1							
86537	7.892	0.006	6.492	0.004	A	1.204	0.005	G	1.17	0.00	G		6.5418	0.0053	0.019	220	A	6.52	6.58		D	17411+2430	I 2	1 C P A							S
86538	9.840	0.019	9.278	0.018	B	0.457	0.004	G	0.56	0.12	L		9.4079	0.0655			B				D	17411+2430	I 2	1 C I A							
86539	9.470	0.018	8.279	0.012		1.020	0.017	T	0.99	0.01	L		8.3108	0.0019	0.017	78		8.28	8.35		C			1							
86540	8.490	0.012	7.681	0.010		0.720	0.015	G	0.77	0.01	H		7.7413	0.0014	0.011	99		7.72	7.76		C	17412+7226	I 1	1							S
86541	8.658	0.008	8.506	0.010	*	0.146	0.012	T	0.16	0.01	L	*	8.4857	0.0010	0.012	145	*	8.47	8.51		D	17411+1628	I 1	2 C A	AB	270	0.827	0.006	2.02	0.02	S
86542						2.800	0.020	G	1.85	0.23	S		10.4995	0.0047	0.036	51		10.45	10.56		R			1							G
86543	9.733	0.024	9.186	0.023		0.512	0.030	T	0.58	0.03	L		9.2474	0.0028	0.018	85		9.21	9.29		C			1							
86544	9.181	0.015	8.547	0.013		0.584	0.015	T	0.66	0.01	L		8.6111	0.0017	0.016	113		8.57	8.64					1							
86545	8.622	0.014	8.250	0.015		0.363	0.018	T	0.42	0.02	L		8.2632	0.0018	0.013	70		8.24	8.29					1 S							
86546	6.383	0.004	6.339	0.004		0.040	0.005	T	0.06	0.00	L		6.3570	0.0012	0.008	78		6.34	6.37					1							S
86547	8.387	0.014	8.476	0.019	A	−0.076	0.022	T	−0.06	0.03	L		8.5073	0.0116	0.035	57	A	8.48	8.58		D	17412−4141	I 2	1 C P A							
86548	10.580	0.079	10.184	0.100	B	0.375	0.118	T	0.44	0.13	L		10.2829	0.0544			B				D	17412−4141	I 2	1 C I A							
86549	9.820	0.022	8.212	0.011		1.347	0.019	T	1.31	0.02	L		8.2228	0.0016	0.014	114		8.20	8.25					1							
86550	7.268	0.009	7.076	0.007	*	0.184	0.010	T	0.20	0.01	L	*	7.0640	0.0012	0.010	109	*	7.04	7.08		D	17412+4139	I 1	2 C A	AB	298	0.742	0.002	0.14	0.01	S
86551	8.601	0.015	7.871	0.013		0.655	0.015	T	0.72	0.01	L		7.9349	0.0013	0.009	67		7.92	7.95		C			1							S
86552	5.764	0.004	5.781	0.004		−0.004	0.012	G	0.01	0.00	A		5.7901	0.0008	0.006	54		5.78	5.80		C			1							S
86553	8.053	0.009	7.667	0.008		0.365	0.011	T	0.43	0.01	L		7.7343	0.0017	0.016	129		7.71	7.76		U			1							S
86554	10.298	0.028	8.563	0.012	A	1.447	0.024	T	1.45	0.04	L		8.5853	0.0189	0.075	111	A	8.50	8.73		D	17413+6136	I 2	1 C P A							
86555	9.428	0.027	8.939	0.027		0.505	0.015	G	0.58	0.02	H		9.0055	0.0031	0.016	49		8.98	9.04		C			1							
86556	9.183	0.014	9.143	0.018		0.042	0.021	T	0.06	0.02	L		9.1195	0.0021	0.020	97		9.08	9.16					1 S							
86557	10.158	0.043	8.133	0.016		1.715	0.038	T	2.22	0.09	O		7.9830	0.0019	0.013	62		7.96	8.01		C			1							
86558	10.523	0.052	8.713	0.020		1.507	0.044	T	1.54	0.07	L		8.7257	0.0023	0.013	72		8.70	8.75		C			1							
86559	11.559	0.107	10.661	0.070		0.783	0.099	T	0.82	0.10	L		10.6419	0.0043	0.039	87		10.59	10.71					1							G
86560	11.529	0.091	9.736	0.030	B	1.500	0.490	G	1.53	0.73	R		9.6042	0.0379			B				D	17413+6136	I 2	1 C I A							
86561	7.364	0.007	6.112	0.004		1.068	0.006	T	1.03	0.01	L		6.1675	0.0007	0.007	119		6.15	6.18					1 G							S
86562											T		11.8211	0.0108	0.096	120		11.63	11.97		U			1							D
86563	9.767	0.019	8.299	0.011		1.237	0.017	T	1.20	0.02	L		8.3168	0.0012	0.014	114		8.29	8.34		C			1							
86564	8.575	0.011	6.807	0.006		1.473	0.010	T	1.49	0.01	L		6.7707	0.0009	0.009	98		6.76	6.79					1							S
86565	4.356	0.003	4.253	0.003		0.086	0.009	G	0.10	0.02	A		4.2762	0.0005	0.004	95		4.27	4.29		C			1							S
86566	11.446	0.081	10.030	0.035		1.196	0.069	T	1.16	0.07	L		10.2712	0.0039	0.043	135		10.21	10.33		U			1 S							G
86567	9.524	0.015	8.278	0.010		1.063	0.014	T	1.03	0.01	L		8.3383	0.0013	0.015	129		8.31	8.37					1							S
86568	10.773	0.048	9.792	0.030		0.760	0.020	G	0.80	0.02	H		9.8728	0.0028	0.024	97		9.83	9.91		C			1							
86569	10.440	0.028	9.445	0.019	*	0.900	0.015	G	0.94	0.01	I	*	9.5597	0.0032	0.025	149	*	9.53	9.61			17415−5348	H 1	2 C S A	AB	347	0.188	0.006	0.30	0.20	
86570	8.367	0.010	7.896	0.010	A	0.466	0.015	G	0.54	0.02	H	*	7.9276	0.0012	0.011	132	*	7.90	7.94		C	17415+3752	I 1	2 C B	AB	325	1.511	0.027	3.75	0.18	S
86571	8.910	0.017	8.327	0.016		0.539	0.015	G	0.61	0.02	H		8.3837	0.0021	0.017	65		8.35	8.41		C			1							
86572	7.685	0.007	7.522	0.009		0.149	0.011	T	0.16	0.01	L		7.5608	0.0013	0.010	73		7.55	7.58		C			1							S
86573	10.283	0.030	9.160	0.020		0.967	0.028	T	0.95	0.02	L		9.1886	0.0020	0.018	94		9.16	9.21		C			1							
86574	9.282	0.018	8.926	0.019		0.294	0.015	G	0.34	0.02	H		8.9955	0.0022	0.019	103		8.96	9.03					1							
86575	7.612	0.006	6.100	0.003		1.271	0.005	T	1.23	0.01	L		6.1238	0.0006	0.008	118		6.11	6.14					1							S
86576	7.759	0.006	7.802	0.009		−0.035	0.010	T	−0.01	0.01	L		7.8115	0.0013	0.013	127		7.79	7.83		C			1							S
86577	9.287	0.013	7.884	0.008		1.186	0.012	T	1.15	0.01	L		7.9147	0.0010	0.015	162		7.89	7.94		C			1							S
86578	10.385	0.030	8.720	0.014		1.392	0.026	T	1.37	0.03	L		8.7259	0.0021	0.015	108		8.70	8.75		C			1							
86579	9.010	0.012	7.915	0.008		0.946	0.011	T	0.94	0.01	L		7.9750	0.0014	0.014	151		7.95	8.00		C			1							
86580	7.903	0.011	7.906	0.011		0.002	0.014	T	0.02	0.01	L		7.9171	0.0012	0.009	85		7.90	7.94		C			1							S
86581	8.825	0.012	8.523	0.013		0.287	0.017	T	0.33	0.02	L		8.5838	0.0016	0.015	133		8.55	8.61					1							S
86582	8.662	0.012	8.460	0.014		0.193	0.017	T	0.21	0.02	L		8.4961	0.0021	0.017	66		8.47	8.54		C			1							
86583	11.054	0.073	10.467	0.070		0.549	0.075	T	0.62	0.07	L		10.3308	0.0045	0.026	58		10.26	10.38					1							G
86584	11.412	0.047	10.834	0.046		0.540	0.058	T	0.61	0.06	L		10.7997	0.0035	0.040	233		10.73	10.87		C			1 X							G
86585	10.673	0.040	8.821	0.015		1.540	0.034	T	1.59	0.07	L		8.8075	0.0022	0.019	95		8.78	8.85		C			1							
86586	8.680	0.008	7.423	0.005		1.071	0.007	T	1.04	0.01	L		7.4698	0.0010	0.012	208		7.45	7.49					1							S
86587	10.985	0.037	9.650	0.019		1.132	0.033	T	1.10	0.03	L		9.6840	0.0031	0.028	155		9.63	9.73		C			1							
86588	11.353	0.068	9.758	0.027		1.360	0.060	T	3.25	0.09	O		9.3170	0.0107	0.095	116		9.15	9.47		U 2			1 S							
86589	9.338	0.028	8.857	0.028		0.465	0.031	T	0.54	0.03	L		8.8699	0.0021	0.016	57		8.85	8.91					1							
86590	9.162	0.014	9.092	0.018		0.069	0.021	T	0.08	0.02	L		9.1110	0.0023	0.018	108		9.08	9.14		C			1							
86591	10.687	0.040	9.066	0.018		1.357	0.035	T	1.32	0.04	L		9.0655	0.0021	0.026	105		9.03	9.12					1							
86592	8.931	0.014	7.832	0.009		0.949	0.013	T	0.94	0.01	L		7.8918	0.0013	0.012	107		7.86	7.91					1							S
86593	10.741	0.079	10.305	0.088		0.459	0.020	G	0.53	0.02	H		10.3037	0.0058	0.029	44		10.23	10.35					1							G
86594	11.526	0.087	9.689	0.027		1.560	0.075	T	1.87	0.25	K		9.5414	0.0026	0.023	96		9.50	9.58					1							
86595	10.079	0.025	9.645	0.027		0.410	0.034	T	0.48	0.04	L		9.7030	0.0019	0.024	116		9.66	9.74					1							
86596	7.356	0.005	6.801	0.005	*	0.520	0.006	T	0.59	0.01	L	*	6.8443	0.0008	0.008	147	*	6.83	6.86		D	17418+2130	I 1	2 C A	AB	36	0.268	0.003	0.85	0.05	S
86597	9.415	0.015	9.378	0.019		−0.019	0.004	G	0.00	0.00	H		9.4054	0.0021	0.022	134		9.37	9.45					1							
86598	9.030	0.023	8.409	0.021		0.574	0.023	T	0.65	0.02	L		8.4603	0.0030	0.019	58		8.41	8.50					1							
86599	6.808	0.003	6.938	0.004		−0.113	0.004	T	−0.10	0.01	L		6.9289	0.0008	0.011	245		6.91	6.95					1							S
86600	10.425	0.029	9.196	0.017		1.050	0.026	T	1.02	0.02	L		9.2223	0.0017	0.021	130		9.19	9.26					1							

Number	Descriptor: epoch J1991.25					Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V			α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ		F1	F2
	h m s	±° ′ ″	mag			deg	deg		mas	mas/yr		mas		mas	mas/yr		$\alpha*$	$\alpha*$	δ	$\alpha*$	δ	π	$\alpha*$	δ	π	$\mu_{\alpha*}$		%	
1 2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
86601	17 41 50.10	+15 24 57.1	7.81	1	H	265.458 765 11	+15.415 872 40		2.74	4.35	1.76	0.82	0.76	1.06	0.83	0.82	+ 1	− 2	−21	+22	+43	− 3	+45	+26	+ 9	+13		0	−0.96
86602	17 41 50.35	−47 30 45.1	7.41		G	265.459 775 97	−47.512 515 90		8.25	4.36	20.70	1.10	0.77	1.17	1.14	0.86	+15	−42	−27	+52	+10	+ 3	+16	+51	−16	− 1		0	0.19
86603	17 41 51.01	−17 39 34.1	9.45		G	265.462 528 61	−17.659 466 58		5.04	−1.27	−29.09	1.60	1.11	1.92	2.21	1.51	− 4	+ 3	−16	−30	+ 5	−44	− 1	−26	+ 3	−44		7	−0.06
86604	17 41 51.12	+08 13 06.4	8.91		H	265.462 998 97	+08.218 443 70		4.47	−5.02	5.52	0.93	0.68	1.12	1.02	0.69	−16	− 4	−15	+12	+29	− 4	+26	+28	−24	− 8		0	−1.07
86605	17 41 51.58	−17 53 48.5	9.85	2	H	265.464 929 36	−17.896 800 90		−1.20	−1.64	1.57	1.71	1.24	2.14	2.28	1.55	+ 1	+ 7	+ 0	−32	+ 2	−52	− 1	−38	− 3	−32		0	1.19
86606 H	17 41 51.68	−09 44 07.3	9.24		H	265.465 353 29	−09.735 370 43	*	4.84	−24.62	−62.06	1.27	0.85	1.44	1.37	0.85	− 9	−27	+17	− 1	+30	+ 2	+28	−50	− 9	− 6		0	0.07
86607	17 41 53.89	−40 05 39.7	8.70		H	265.474 542 99	−40.094 358 46		2.00	−4.99	−3.37	1.11	0.85	1.23	1.30	0.92	+10	−29	−23	+19	−16	− 4	−15	+40	+ 9	− 3		5	−0.03
86608	17 41 55.16	+21 07 44.6	8.66		H	265.479 823 12	+21.129 063 39		3.74	−3.92	−6.09	0.77	0.78	1.20	0.95	0.84	+19	−37	+ 0	− 3	+39	+ 9	+36	+25	−11	+17		2	2.66
86609	17 41 55.26	+41 01 29.9	7.90		H	265.480 242 55	+41.024 977 13		3.74	10.75	−9.66	0.59	0.66	0.73	0.62	0.89	− 4	+ 8	−10	+18	+ 5	−13	+ 5	− 4	+ 2	− 5		0	1.37
86610 H	17 41 55.69	−58 49 15.5	8.32		H	265.482 051 96	−58.820 967 12	A	2.21	−5.10	−9.94	1.54	1.28	1.65	1.62	1.18	− 8	−10	−24	− 3	−41	+14	−37	−13	− 1	−17		1	−0.59
86611	17 41 55.84	+04 22 00.5	6.96		G	265.482 671 73	+04.366 819 07		3.56	13.96	−9.33	0.68	0.43	0.87	0.68	0.42	−12	−43	+11	+15	+34	+ 8	+38	+34	−35	−12		1	0.24
86612	17 41 55.91	+56 03 57.9	8.14		H	265.482 950 21	+56.066 080 43		3.94	−4.24	−9.52	0.62	0.65	0.65	0.68	0.79	+ 8	+11	− 4	+33	+16	+ 7	+17	+10	+ 8	+ 1		1	−2.34
86613	17 41 56.06	+45 29 46.9	8.45		H	265.483 599 31	+45.496 366 42		12.34	−72.79	−158.57	0.66	0.69	0.77	0.87	0.96	+13	+ 3	−14	+ 8	+ 8	−22	+ 4	− 8	+10	+ 2		3	0.28
86614	17 41 56.31	+72 08 58.2	4.57		H	265.484 612 70	+72.149 499 16	A	45.38	26.60	−269.77	0.92	1.02	0.82	0.86	1.18	+21	−19	+ 0	−17	+ 1	− 7	+ 6	−32	−25	+12		1	−0.34
86615	17 41 57.29	−44 01 16.9	9.83		H	265.488 719 27	−44.021 370 90		16.08	−50.65	110.59	35.32	25.98	41.11	42.77	30.05	+ 6	−31	−16	+ 7	− 9	−13	− 4	+22	− 9	−18		0	
86616	17 41 57.44	+40 44 39.3	12.18		H	265.489 333 30	+40.744 254 62		26.13	−183.76	200.06	2.28	2.84	2.94	2.55	3.89	+11	−11	−16	+ 8	+12	−19	+11	−15	+ 2	+ 7		0	2.74
86617	17 41 57.46	−31 21 02.4	9.13		H	265.489 433 92	−31.350 656 01		4.23	−18.44	−32.35	1.22	0.76	1.36	1.40	0.75	− 5	−26	+ 1	+24	−23	−15	−19	+58	− 5	+ 0		0	0.19
86618	17 41 57.82	−22 18 48.2	9.20		H	265.490 918 67	−22.313 396 30		6.81	−6.35	−65.26	1.53	1.07	1.61	2.19	1.42	−20	−12	−11	+18	−16	+ 3	−15	+28	+ 1	−25		0	−1.58
86619	17 41 57.92	−29 05 33.3	9.17		H	265.491 353 62	−29.092 575 27		7.20	−23.58	−35.41	1.48	1.06	1.54	1.76	1.05	−24	−27	−30	+42	−53	+18	−33	+77	−29	−47		0	0.44
86620	17 41 58.04	+72 09 27.3	5.81		G	265.491 826 76	+72.157 575 91	B	44.80	34.97	−273.61	3.71	3.07	1.94	2.11	2.74	+18	−18	− 2	− 8	+ 1	−10	+ 5	−24	−23	+ 9		1	−0.34
86621	17 41 58.37	+44 44 21.1	8.47		H	265.493 219 40	+44.739 181 69		13.35	−126.97	28.48	0.65	0.67	0.75	0.76	0.87	+ 7	− 6	−15	− 3	+ 7	−18	+ 5	−21	+17	+ 6		1	0.77
86622	17 41 58.39	+53 26 44.9	9.17		G	265.493 294 19	+53.445 812 56		1.48	−0.59	0.15	0.86	0.72	0.80	1.01	0.92	+10	+ 0	− 8	+30	+23	− 5	+25	+12	+ 1	+13		0	1.01
86623 H	17 41 58.64	+15 57 07.8	5.54		G	265.494 326 02	+15.952 179 42	A	28.15	−6.99	103.01	0.68	0.62	0.81	0.67	0.63	+20	−14	+ 5	+29	+42	+10	+47	+35	+ 5	+28		1	−0.91
86624	17 41 59.03	−33 30 13.7	6.66	2	H	265.495 943 26	−33.503 804 42		0.52	−0.17	−1.61	0.81	0.54	0.89	1.11	0.60	−12	−23	− 3	+21	−16	− 2	−18	+ 4	− 8	+10	+ 2	3	−0.83
86625 H	17 41 59.57	+10 37 59.3	7.43		H	265.498 212 18	+10.633 134 78	*	2.14	−7.66	−16.01	1.50	0.88	0.99	0.90	0.70	+13	−10	−29	+ 4	+49	−25	+39	+25	− 6	+25		2	−0.09
86626	17 42 00.31	−80 39 43.6	9.33		H	265.501 298 55	−80.662 101 92		4.53	−52.02	−38.45	0.73	0.89	1.01	0.72	0.99	− 6	−21	+ 1	−24	− 8	+ 9	− 6	+24	+ 2	−12		0	−0.10
86627	17 42 01.60	+27 38 42.3	6.73		H	265.506 647 66	+27.645 093 90		8.59	3.88	40.04	0.41	0.49	0.68	0.54	0.58	+ 4	+ 3	− 2	− 7	+ 1	−25	+ 1	+ 8	−12	+ 4		0	−0.98
86628	17 42 03.62	−50 30 38.4	6.28	2	H	265.515 073 61	−50.510 666 93		2.20	2.19	−15.02	0.89	0.64	0.96	0.94	0.79	−31	−49	+12	+33	−19	− 2	−12	+42	−12	−20		0	1.29
86629	17 42 03.62	−30 29 32.0	8.75		H	265.515 084 00	−30.492 215 24		6.96	−3.94	11.87	1.25	0.71	1.38	1.43	0.75	+ 5	−48	− 7	+34	+ 3	− 8	− 1	+66	− 2	+23		2	0.20
86630	17 42 03.82	+73 27 42.0	7.78		H	265.515 929 96	+73.461 660 46		6.26	4.35	11.46	0.54	0.49	0.60	0.57	0.74	+20	−12	+ 4	−18	+ 0	−19	+ 8	−37	−16	+20		0	−1.72
86631	17 42 04.11	+36 31 47.9	10.63		H	265.517 121 22	+36.529 975 90		3.58	20.24	−20.95	1.12	1.22	1.40	1.40	1.44	+15	− 3	−12	+34	+19	−22	+19	− 8	+ 5	+19		0	−0.35
86632 H	17 42 04.94	−52 47 49.7	9.04		H	265.520 572 88	−52.797 137 59	A	11.52	−19.05	−36.51	3.74	2.54	3.54	3.91	2.24	−54	− 7	+29	+41	−37	+ 7	−36	+16	− 8	−54		1	0.88
86633	17 42 05.29	−26 50 44.1	8.10		G	265.522 032 30	−26.845 592 84		5.67	3.56	−29.25	1.03	0.76	1.08	1.36	1.00	−33	−19	−20	+24	−33	+ 6	−24	+40	−19	−65		0	−0.43
86634	17 42 06.02	+20 09 58.4	8.20		H	265.525 075 82	+20.166 225 79		8.82	−3.44	51.64	0.70	0.69	1.04	1.15	0.83	+ 0	−12	+ 6	−14	+25	−14	+15	+27	+ 6	+13		0	0.59
86635	17 42 06.33	+33 53 23.1	8.90		H	265.526 380 75	+33.889 750 34		1.15	−2.05	−11.05	0.75	0.82	1.02	0.92	0.97	+20	− 5	− 5	+11	+ 6	−21	+ 7	− 7	+ 0	+34		0	0.75
86636	17 42 06.80	+17 02 00.6	8.27		G	265.528 326 67	+17.033 508 56		2.73	−1.71	10.65	0.84	0.87	1.06	0.93	1.01	+48	−13	− 8	+38	+49	+11	+53	+58	+ 1	+37		0	−0.35
86637	17 42 08.72	+25 25 30.2	8.23		G	265.536 327 39	+25.425 046 10		3.85	−11.93	−4.26	0.50	0.58	0.80	0.63	0.66	+ 8	−12	− 8	+21	+11	− 3	+10	+21	− 6	+ 9		0	−0.52
86638 H	17 42 11.06	+49 00 09.2	8.59		H	265.546 077 25	+49.002 555 75	A	3.17	−5.94	4.75	1.28	1.32	1.29	1.34	1.56	+ 6	−13	− 7	−12	+11	− 4	+ 7	− 1	+ 9	+11		1	0.52
86639	17 42 11.84	+80 16 56.8	7.08	1	H	265.549 315 83	+80.282 435 72		3.02	−8.02	3.52	0.52	0.51	0.56	0.54	0.65	+ 9	−21	−14	− 4	− 4	+19	− 6	+24	− 4	+18		0	0.37
86640	17 42 12.60	−55 56 16.7	8.25		H	265.552 502 81	−55.937 979 96		3.26	2.45	−45.43	0.84	0.66	1.13	0.86	0.59	− 7	−31	+17	−19	+11	+ 7	− 6	−47	− 6	+ 5		3	−0.18
86641	17 42 12.61	−69 01 10.5	7.70		H	265.552 529 80	−69.019 573 71		5.07	−8.30	−29.11	0.53	0.58	0.86	0.62	0.68	+11	−24	− 3	+13	−17	− 6	−16	+17	+ 2	+15		2	−1.76
86642	17 42 13.33	+38 04 13.5	7.29		H	265.555 560 57	+38.070 410 19		24.06	−109.29	94.75	0.54	0.57	0.69	0.62	0.79	+ 2	−12	+11	+21	+ 4	−11	+ 4	−14	−16	+ 5		0	−1.01
86643	17 42 13.48	+52 03 22.7	8.05		H	265.556 146 63	+52.056 319 00		4.37	−18.49	78.10	0.59	0.60	0.65	0.60	0.74	+ 1	− 9	−11	+ 4	+ 2	+ 4	+ 3	− 3	+ 6	+ 1		0	−0.93
86644	17 42 13.65	+04 55 38.7	9.66		G	265.556 859 64	+04.927 422 86		26.21	−276.98	−13.21	3.82	2.57	4.68	3.82	2.47	−22	−13	− 7	−18	+40	−17	+38	+ 5	−21	−10		0	
86645	17 42 13.83	+17 05 23.2	10.66		H	265.557 623 24	+17.089 790 96		16.57	−4.38	−160.96	3.53	3.42	4.65	4.14	4.09	+23	− 9	+ 1	+13	+40	+ 8	+40	+28	+ 1	+27		0	
86646	17 42 14.32	−08 04 17.2	9.31		H	265.559 685 28	−08.071 446 91		6.76	−16.33	−5.92	1.32	0.86	1.41	1.69	0.98	+21	−22	−26	+26	+18	−11	+ 6	−31	+19	+ 7		0	−0.07
86647 H	17 42 14.68	−48 38 32.3	7.72		H	265.561 157 49	−48.642 301 42	A	11.71	22.80	5.97	1.80	1.35	1.83	1.93	1.47	+ 7	−30	−36	+35	−30	+15	−22	+34	−28	−36		3	0.75
86648	17 42 15.10	+17 13 42.1	7.20		H	265.562 919 19	+17.228 359 34		6.72	−18.94	−8.43	0.64	0.65	0.88	0.71	0.77	+29	−20	−17	+36	+39	+ 5	+43	+40	− 7	+13		0	0.89
86649	17 42 15.91	+06 44 33.9	9.25		H	265.566 277 44	+06.742 753 56		8.40	−3.34	9.92	0.99	0.71	1.27	1.16	0.75	−14	−11	+ 1	+ 8	+19	− 4	+17	+33	−23	−10		0	1.04
86650	17 42 16.80	−32 31 23.8	7.85	2	H	265.570 016 93	−32.523 274 05		3.91	3.59	16.69	0.89	0.60	0.98	1.05	0.62	−10	−27	− 6	+28	−18	+ 7	−17	+57	+ 2	− 6		0	0.06
86651	17 42 16.97	−42 48 36.0	8.63		H	265.570 706 65	−42.809 996 70		3.26	−17.44	−23.09	1.26	0.94	1.41	1.72	1.17	+16	−31	−13	+10	+ 3	− 7	− 1	+45	+ 2	+23		0	−0.58
86652	17 42 17.39	−49 16 15.1	7.98		G	265.572 440 47	−49.270 874 50		11.40	−15.75	−28.06	1.14	0.82	1.20	1.37	0.99	−18	−27	− 1	+26	−34	−11	−26	+27	−17	−37		0	0.02
86653	17 42 18.06	−35 48 04.1	7.61		G	265.575 259 89	−35.801 134 14		1.01	−1.88	−1.85	1.04	0.67	1.15	1.20	0.71	+10	−36	−24	+26	−15	−11	− 6	+50	−19	− 2		2	−2.32
86654	17 42 19.41	+50 55 42.1	9.32		H	265.580 878 13	+50.928 374 98		9.24	−72.91	92.21	0.71	0.81	0.83	0.78	0.95	+ 8	+ 2	−21	+13	+12	− 5	+12	− 4	+19	+ 3		0	−0.71
86655	17 42 20.33	−23 20 57.6	7.61		H	265.584 695 90	−23.349 321 09		6.79	−84.89	39.93	1.01	0.67	1.12	1.30	0.91	−13	−39	−24	+20	−13	−15	−18	+17	+ 8	−60		0	−0.32
86656	17 42 20.77	+19 37 09.9	8.22	1	H	265.586 533 18	+19.619 417 72		2.65	−38.11	25.55	0.64	0.80	1.10	0.96	0.98	−15	−13	+15	+14	+ 8	+10	+ 4	+45	− 2	−16		0	0.07
86657	17 42 21.13	+23 28 13.6	8.56		H	265.588 035 27	+23.470 443 94		2.23	6.16	−26.60	0.45	0.79	1.13	0.58	0.92	+ 1	− 7	− 3	+24	+12	+ 3	+13	+16	+ 5	+23		0	1.55
86658 H	17 42 21.17	−46 17 55.9	7.47	2	H	265.588 199 81	−46.298 860 50	A	5.59	10.32	−8.18	4.25	3.31	2.62	2.95	2.22	− 2	+12	−24	+35	−29	+25	−30	+30	−23	−59		2	2.26
86659	17 42 22.13	+27 44 07.2	9.88		H	265.592 221 56	+27.735 321 63		5.43	13.14	−3.16	0.80	1.05	1.32	0.92	1.17	− 1	− 3	+ 6	−11	− 5	−18	− 2	+21	−11	− 4		0	1.15
86660	17 42 22.50	+09 26 58.3	7.39		H	265.593 759 88	+09.449 523 03		7.43	3.34	12.18	0.71	0.55	0.88	0.75	0.60	−18	−23	−10	+11	+18	+ 9	+23	+31	−29	−17		0	−0.68
86661	17 42 25.21	−09 04 33.3	9.74		G	265.605 022 59	−09.075 912 56		30.38	24.92	−46.29	1.35	0.94	1.51	1.53	0.99	− 5	−16	− 8	− 2	+20	−10	+13	−43	+ 8	−16		0	−1.06
86662	17 42 25.58	+12 44 56.7	9.59		H	265.606 591 54	+12.749 075 07		0.02	−1.03	−8.94	1.22	1.06	1.49	1.30	1.21	+15	−22	−11	+15	+48	− 2	+48	+44	−24	+27		0	−0.48
86663	17 42 26.07	+13 43 16.2	7.71		H	265.608 641 37	+13.721 164 27		4.22	−9.26	−6.02	0.82	0.68	0.95	0.87	0.78	+ 3	− 7	+ 0	+24	+31	+11	+33	+32	+ 1	+11		0	0.44
86664	17 42 26.85	−73 23 33.8	7.34		H	265.611 858 58	−73.392 718 79		5.69	−5.38	−29.99	0.43	0.49	0.69	0.47	0.58	− 3	−10	− 3	−12	− 7	− 7	− 8	+ 2	+ 4	− 5		0	1.40
86665	17 42 27.07	−29 26 19.9	8.05		H	265.612 800 26	−29.438 862 43		8.72	8.86	−22.16	1.11	0.76	1.14	1.30	0.76	−25	−30	−26	+39	−50	+15	−35	+71	−19	−44		0	−0.04
86666	17 42 27.72	+20 39 23.3	9.73		H	265.615 483 14	+20.656 465 02		3.93	−5.73	8.38	1.66	1.75	2.58	2.20	2.01	+19	−30	−11	−14	+35	− 7	+25	+19	+ 5	+22		0	
86667	17 42 28.40	+24 33 51.5	5.56	1	H	265.618 322 28	+24.564 310 06		8.92	−55.19	−103.84	0.32	0.44	0.64	0.40	0.49	+ 3	− 8	+ 4	− 9	+ 7	−15	+ 5	+ 0	+ 1	+23		2	−0.88
86668	17 42 29.08	+25 48 03.5	7.56		H	265.621 154 11	+25.800 959 53		2.26	−0.02	21.98	0.46	0.53	0.73	0.58	0.64	+ 2	−14	− 7	+17	+ 7	+ 1	+ 8	+12	−16	+ 1		0	−0.68
86669	17 42 29.11	−15 59 34.6	8.73		H	265.621 302 78	−15.992 931 06		2.32	0.25	−0.85	1.20	0.84	1.27	1.79	1.20	− 7	−26	+14	+22	− 5	− 3	− 2	+10	− 8	− 7		3	0.93
86670	17 42 29.28	−39 01 47.7	2.39	1	H	265.621 999 08	−39.029 920 92		7.03	−6.49	−25.55	0.64	0.48	0.73	0.79	0.55	− 1	−26	−13	+13	− 9	−20	−15	+13	+21	−19		0	1.58
86671	17 42 29.55	−02 25 25.7	7.75		H	265.623 141 33	−02.423 817 57		4.61	4.82	−10.41	1.06	0.68	1.12	1.20	0.78	+ 9	−33	+ 8	+ 0	− 1	−12	+ 3	−16	− 6	+22		0	−0.66
86672	17 42 30.36	−28 44 55.2	9.02	2	H	265.626 487 24	−28.748 677 78		13.70	−1.60	−42.15	1.56	1.06	1.58	1.85	1.08	−34	−24	−33	+47	−58	+17	−40	+75	−31	−55		0	0.63
86673	17 42 30.48	−24 17 27.2	9.87		G	265.627 018 48	−24.290 890 38		1.99	−3.89	−2.27	1.71	1.12	1.96	2.59	1.54	− 3	−15	−22	+19	− 9	−20	− 8	+27	−24	− 4		0	0.61
86674	17 42 30.90	−50 39 19.2	7.78		G	265.628 761 75	−50.655 347 22		7.65	−110.88	−158.55	1.12	0.81	1.17	1.26	1.01	−35	−41	+12	+40	−20	+ 8	−16	+46	− 7	−24		0	−0.44
86675	17 42 32.30	−20 06 15.3	8.26		H	265.634 581 65	−20.104 259 28		1.84	8.03	−3.72	0.90	0.63	0.96	1.02	0.76	−10	−29	−25	+25	−33	− 1	−33	+28	+ 0	−47		0	−1.43
86676	17 42 32.86	+16 52 24.1	8.27		H	265.636 913 28	+16.873 359 27		3.71	1.58	−14.14	0.76	0.75	1.00	0.82	0.89	+31	−25	−18	+24	+35	+12	+41	+46	− 4	+20		0	0.42
86677	17 42 35.18	−04 50 59.1	6.62	2	H	265.646 564 78	−04.849 737 15		4.24	17.61	−9.90	0.98	0.78	1.14	1.13	0.87	+ 6	−18	−24	−23	+13	−40	− 5	−54	+22	−29		0	−0.79
86678	17 42 36.26	−03 49 00.8	9.61		H	265.651 072 72	−03.816 887 03		4.19	−7.50	−19.71	1.21	1.02	1.53	1.70	1.19	+10	− 5	−45	− 7	+21	+ 2	+12	−49	+42	− 5		3	−0.13
86679	17 42 36.75	+29 25 08.1	6.64		H	265.653 139 51	+29.418 905 47		8.86	−15.19	−0.51	0.45	0.46	0.62	0.53	0.53	+ 6	− 5	− 4	−16	+11	−15	+ 9	+ 5	−10	+15		0	0.18
86680	17 42 37.66	+75 32 21.6	7.82		H	265.656 930 66	+75.539 332 46		4.09	−17.90	12.58	0.57	0.57	0.64	0.56	0.75	+ 5	−31	+10	− 3	− 3	−17	+ 6	−13	−25	+18		0	−2.00
86681 H	17 42 38.36	+26 33 06.1	7.51		G	265.659 826 67	+26.551 707 69	A	4.52	26.66	6.60	0.84	0.98	1.24	0.98	1.13	+ 2	+ 3	−15	+18	+ 1	− 1	+ 0	+19	−18	− 1		1	0.64
86682	17 42 39.75	−34 49 43.6	9.24		H	265.665 626 51	−34.828 773 67		2.71	−6.42	−10.47	1.58	1.11	1.74	1.74	1.09	+10	−44	−40	+33	−27	− 7	−21	+47	− 7	−26		0	0.47
86683	17 42 40.23	−15 33 33.2	7.01		H	265.667 613 25	−15.559 219 21		6.62	14.36	−6.08	0.88	0.57	0.98	0.94	0.64	− 3	−35	−14	+11	−14	+ 5	−10	+ 0	−13	−23		0	0.91
86684	17 42 40.53	−22 22 10.4	9.09		H	265.668 858 33	−22.369 553 83	A	13.03	−2.08	−67.21	3.89	2.76	3.13	4.62	3.22	−27	−19	−21	+19	−19	− 4	−16	+25	− 6	−47		0	1.25
86685	17 42 40.85	−22 21 49.7	11.07		H	265.670 190 49	−22.363 811 30	B	2.15	45.99	−39.46	48.19	32.93	25.04	35.67	24.40	−23	−24	−17	+14	−17	− 8	−15	+17	− 2	−43		0	1.25
86686	17 42 42.06	−19 54 24.8	9.44		G	265.675 250 44	−19.906 888 60		5.95	−4.41	−2.37	1.36	0.88	1.42	1.40	1.06	− 3	−50	−18	+11	−33	+ 3	−28	+16	− 2	−42		0	−0.81
86687	17 42 43.58	+62 10 33.8	9.22		H	265.681 584 81	+62.176 055 08		3.37	−8.56	11.11	0.76	0.78	0.80	0.77	0.88	− 2	−19	− 7	+13	+15	+ 2	+19	− 1	− 7	+ 9		0	−0.70
86688	17 42 44.37	−51 50 34.4	7.95	1	H	265.684 883 76	−51.842 883 97		2.62	−9.27	−0.06	0.84	0.64	1.02	1.08	0.71	−43	−21	+21	+20	−46	+17	−43	+ 8	−10	−31		0	0.49
86689	17 42 46.33	−38 28 03.0	8.37		H	265.693 051 79	−38.467 513 70		3.84	7.64	−13.12	1.12	0.82	1.15	1.46	0.88	+12	−15	+ 1	+15	−26	−15	−18	+40	+ 2	+ 2		0	1.67
86690	17 42 47.01	−50 00 02.5	7.75		G	265.695 880 77	−50.000 696 88		16.81	−76.87	−143.44	1.01	0.78	1.15	1.30	0.99	−18	−28	+ 4	+30	−12	−19	− 7	+30	−15	−10		0	1.68
86691	17 42 48.21	−58 35 19.4	10.02		G	265.700 880 82	−58.588 720 81		21.90	11.13	−283.83	1.56	1.10	1.67	1.78	1.06	+12	+ 7	+ 1	−52	−22	−15	−19	−51	+ 0	+15		0	−0.93
86692	17 42 48.66	+43 10 08.4	8.33		G	265.702 731 29	+43.168 991 81	A	6.33	11.62	−1.97	1.42	1.77	1.38	1.38	1.89	+ 8	− 4	+ 3	+10	+ 0	+13	+ 0	− 8	+ 3	+11		1	0.49
86693	17 42 49.23	−45 16 14.3	8.61		H	265.705 131 78	−45.270 638 01		1.96	1.19	−8.05	1.10	0.84	1.24	1.23	0.88	+ 2	−28	−20	+25	−20	− 4	−18	+25	− 6	−23		0	0.69
86694	17 42 49.37	−40 19 12.1	8.72		G	265.705 712 89	−40.320 017 62		8.66	−61.61	−395.59	1.13	0.90	1.25	1.45	1.09	+14	−19	− 9	+32	+ 5	+ 6	+ 1	+54	+18	+22		0	−0.24
*86695	17 42 49.99	+85 40 12.5	7.58		H	265.708 293 65	+85.670 134 39		8.75	7.92	−11.69	0.50	0.50	0.56	0.56	0.56	+ 3	−11	+ 1	+ 5	+ 5	+14	+ 3	+16	+ 4	+18		0	0.68
*86696	17 42 49.98	−27 50 38.1	8.82		H	265.708 249 76	−27.843 922 44		6.45	−1.05	2.49	1.71	1.40	1.60	2.59	1.85	−59	−11	−33	+51	−51

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
86601	9.878	0.026	7.990	0.011		1.602	0.023	T	1.78	0.08	O	7.9076	0.0033	0.018	83		7.88	7.94		U			1							
86602	7.958	0.009	7.460	0.008		0.471	0.015	G	0.54	0.02	H	7.5056	0.0013	0.008	50		7.49	7.52					1							S
86603	10.222	0.057	9.511	0.051		0.565	0.020	G	0.64	0.02	H	9.5715	0.0030	0.018	55		9.54	9.61					1							G
86604	9.387	0.017	8.931	0.017		0.427	0.020	G	0.49	0.02	H	9.0103	0.0019	0.020	96		8.98	9.05		C			1							
86605	9.918	0.040	9.635	0.049		0.269	0.059	T	0.30	0.07	L	9.8547	0.0075	0.047	53		9.79	9.98		U 2			1 S							G
86606	12.001	0.126	9.523	0.025	*	1.246	0.317	G	2.19	0.10	S *	9.2978	0.0044	0.034	82	*	9.26	9.35		R	17419−0944	H 1	2 C S B	AB	191	0.118	0.008	0.44	0.87	
86607	8.781	0.017	8.732	0.022		0.050	0.026	T	0.06	0.02	L	8.7242	0.0016	0.011	58		8.70	8.75		D			1							
86608	10.052	0.018	8.753	0.011		1.104	0.016	T	1.07	0.02	L	8.8250	0.0017	0.017	164		8.80	8.86		C			1							
86609	8.003	0.008	7.894	0.012		0.106	0.013	T	0.12	0.01	L	7.9454	0.0015	0.012	107		7.93	7.97		C			1							S
86610	9.836	0.024	8.548	0.014	*	1.096	0.022	T	1.06	0.02	L *	8.4850	0.0020	0.016	114	*	8.46	8.52		D	17419−5849	I 1	2 C A	AB	293	1.095	0.007	1.33	0.02	
86611	8.137	0.008	7.092	0.006		0.908	0.008	T	0.91	0.01	L	7.1326	0.0009	0.009	136		7.12	7.15					1							S
86612	9.332	0.016	8.233	0.011		0.949	0.015	T	0.94	0.01	L	8.2998	0.0013	0.011	97		8.28	8.32		C			1							
86613	9.066	0.014	8.502	0.013		0.528	0.017	T	0.60	0.02	L	8.5634	0.0017	0.014	110		8.54	8.59		C			1							
86614	5.073	0.003	4.613	0.003	A	0.434	0.004	T	0.50	0.00	L	4.6681	0.0042	0.005	98	A	4.65	4.68		D	17420+7209	I 2	1 C P D							S D
86615	10.432	0.067	10.068	0.076		0.345	0.094	T	0.40	0.13	L	9.9042	0.0034	0.028	64		9.86	9.94		D	17419−4401	I 1	1 X S							G
86616						1.600	0.082	G	2.60	0.20	I	12.1785	0.0090	0.076	98		12.05	12.30					1							D
86617	10.278	0.033	9.227	0.023		0.912	0.030	T	0.91	0.02	L	9.2927	0.0031	0.021	89		9.26	9.33					1							G
86618	9.925	0.042	9.319	0.041		0.563	0.043	T	0.64	0.04	L	9.3257	0.0034	0.022	51		9.30	9.38					1 S							
86619	9.717	0.023	9.206	0.022		0.457	0.020	G	0.53	0.02	H	9.2760	0.0017	0.015	79		9.25	9.30					1							
86620	6.362	0.006	5.790	0.005	B	0.530	0.000	G	0.60	0.00	H	5.8680	0.0096			B				D	17420+7209	I 2	1 C I D							S D
86621	9.365	0.017	8.564	0.014		0.725	0.017	T	0.78	0.01	L	8.6130	0.0015	0.016	127		8.58	8.64		C			1							
86622	9.309	0.016	9.113	0.019		0.110	0.015	G	0.12	0.01	H	9.1984	0.0018	0.017	107		9.17	9.24		C			1							
86623	5.998	0.002	5.586	0.003	A	0.387	0.012	G	0.44	0.00	L *	5.6259	0.0006	0.006	126	*	5.61	5.64		D	17420+1557	M 1	2 C C	AB	132	1.229	0.043	4.15	0.09	S
86624	8.108	0.014	6.883	0.009		1.047	0.013	G	1.02	0.01	L	6.7753	0.0106	0.053	73		6.72	6.87		U 2 C			1							S P
86625	9.387	0.016	7.636	0.008	*	1.460	0.014	T	1.47	0.02	L *	7.5633	0.0018	0.014	100	*	7.54	7.59			17420+1038	H 1	2 C A	AB	227	0.209	0.022	2.37	0.33	
86626	10.789	0.036	9.454	0.019		1.132	0.032	T	1.10	0.03	L	9.4958	0.0018	0.020	146		9.45	9.53		C			1							
86627	6.940	0.004	6.749	0.005		0.183	0.006	T	0.20	0.01	L	6.7872	0.0007	0.008	157		6.77	6.81		C			1							S
86628	8.487	0.022	6.527	0.018		1.661	0.023	T	2.59	0.08	O	6.2856	0.0163	0.128	57		6.16	6.48		U 2			1 S							S
86629	9.390	0.019	8.789	0.018		0.554	0.015	G	0.63	0.01	H	8.8716	0.0020	0.014	90		8.85	8.90		C			1							
86630	7.835	0.009	7.788	0.011		0.048	0.013	T	0.06	0.01	L	7.8025	0.0013	0.012	93		7.78	7.82		C			1							S
86631	11.148	0.053	10.620	0.053		0.495	0.067	T	0.57	0.07	L	10.7346	0.0030	0.029	119		10.67	10.80					1							G
86632	9.573	0.024	8.935	0.023	*	0.593	0.029	T	0.66	0.03	L *	9.1727	0.0024	0.023	120	*	9.14	9.22		D	17421−5248	I 1	2 C A	AB	125	4.628	0.010	0.25	0.03	
86633	8.549	0.014	8.149	0.014		0.407	0.015	G	0.47	0.02	H	8.1846	0.0021	0.012	60		8.16	8.22		C			1							
86634	8.866	0.014	8.267	0.012		0.559	0.016	T	0.63	0.01	L	8.3267	0.0012	0.017	115		8.30	8.36		D			1							S
86635	10.175	0.024	9.001	0.015		1.007	0.022	T	0.98	0.02	L	9.0657	0.0017	0.020	129		9.02	9.11		C			1							
86636	8.574	0.008	8.311	0.009		0.279	0.015	G	0.32	0.02	H	8.3411	0.0017	0.016	125		8.32	8.37		C			1							S
86637	8.509	0.007	8.249	0.008		0.226	0.010	G	0.25	0.01	H	8.2966	0.0013	0.016	177		8.27	8.33					1							S
86638	9.547	0.030	8.626	0.023	*	0.815	0.028	T	0.84	0.02	L *	8.7394	0.0019	0.019	109	*	8.71	8.77		D	17422+4900	I 1	2 C A	AB	121	3.235	0.006	1.47	0.03	
86639	9.206	0.014	7.280	0.006		1.633	0.013	T	2.04	0.04	O	7.1576	0.0027	0.019	110		7.12	7.18		U 2			1							S
86640	9.861	0.020	8.394	0.011		1.236	0.018	T	1.19	0.02	L	8.4141	0.0016	0.018	158		8.38	8.45		C			1							
86641	7.908	0.006	7.729	0.007		0.164	0.009	T	0.18	0.01	L	7.7517	0.0012	0.013	164		7.74	7.78		C	17422−6901	I 1	1							S
86642	8.059	0.007	7.374	0.007		0.633	0.008	T	0.70	0.01	L	7.4199	0.0012	0.010	119		7.40	7.44		C			1 G							S
86643	9.214	0.014	8.149	0.010		0.923	0.013	T	0.92	0.01	L	8.2093	0.0014	0.014	112		8.18	8.23					1							
86644	10.907	0.044	9.810	0.029		0.965	0.009	G	1.01	0.01	I	9.7773	0.0022	0.019	141		9.74	9.82					1 X S							
86645	12.103	0.132	10.835	0.064		1.075	0.118	T	1.14	0.17	L	10.7973	0.0041	0.039	121		10.73	10.86		C			1 X S							G
86646	9.958	0.023	9.359	0.021		0.580	0.020	G	0.65	0.02	H	9.4299	0.0023	0.025	80		9.38	9.47		C			1							
86647	8.212	0.019	7.734	0.018	*	0.463	0.020	T	0.53	0.02	L *	7.8231	0.0030	0.017	53	*	7.80	7.85		R	17422−4839	I 1	2 C A	AB	68	7.989	0.008	1.18	0.02	S
86648	7.219	0.005	7.197	0.006		0.025	0.007	T	0.04	0.01	L	7.2135	0.0010	0.010	120		7.20	7.23		C			1							S
86649	9.818	0.020	9.312	0.019		0.476	0.025	T	0.55	0.03	L	9.3530	0.0016	0.016	102		9.32	9.38					1							
86650	8.273	0.022	7.881	0.019		0.400	0.020	G	0.39	0.02	A	7.9267	0.0108	0.130	84		7.68	8.14	0.12	P 1 A			1							S P
86651	10.180	0.045	8.769	0.025		1.192	0.040	T	1.15	0.04	L	8.7987	0.0022	0.012	54		8.78	8.82		C			1							
86652	8.514	0.022	8.020	0.021		0.478	0.015	G	0.55	0.02	H	8.0829	0.0013	0.010	56		8.06	8.10		D			1							S
86653	8.008	0.010	7.643	0.011		0.360	0.008	G	0.42	0.01	H	7.7010	0.0012	0.011	60		7.68	7.72		C			1							S
86654	10.196	0.030	9.428	0.025		0.700	0.031	T	0.76	0.03	L	9.4599	0.0024	0.018	112		9.42	9.49		C			1 S							
86655	9.024	0.017	7.750	0.011		1.085	0.016	T	1.05	0.01	L	7.7755	0.0018	0.011	62		7.76	7.79		C			1							
86656	9.527	0.017	8.323	0.011		1.030	0.016	T	1.00	0.01	L	8.3845	0.0015	0.016	130		8.36	8.43		M			1							S
86657	10.068	0.016	8.694	0.009		1.163	0.014	T	1.12	0.01	L	8.7325	0.0015	0.019	243		8.70	8.77					1 S							
86658	7.576	0.011	7.468	0.015	*	0.098	0.017	T	0.11	0.02	L *	7.5058	0.0091	0.051	59	*	7.43	7.57	0.49	P 1 A	17424−4618	H 1	2 C A	AB	316	0.357	0.010	1.14	0.06	S P
86659	10.362	0.029	9.960	0.031		0.380	0.039	T	0.44	0.04	L	9.9628	0.0025	0.035	154		9.90	10.03					1							
86660	7.536	0.005	7.404	0.007		0.127	0.008	T	0.14	0.01	L	7.4392	0.0011	0.010	110		7.42	7.46		C			1							S
86661	11.163	0.065	9.898	0.037		1.050	0.015	G	1.02	0.01	I	9.8722	0.0028	0.021	82		9.83	9.91		C			1							G
86662	10.892	0.058	9.714	0.032		1.010	0.052	T	0.99	0.04	L	9.7529	0.0024	0.024	86		9.71	9.80		C			1							
86663	8.782	0.012	7.814	0.009		0.850	0.011	T	0.86	0.01	L	7.8663	0.0017	0.013	88		7.84	7.89		C			1							S
86664	7.313	0.004	7.304	0.006		0.037	0.030	G	−0.02	0.02	A	7.3323	0.0009	0.011	194		7.31	7.35		C			1							S
86665	8.492	0.012	8.081	0.012		0.387	0.015	G	0.45	0.02	H	8.1380	0.0014	0.012	84		8.12	8.16		C			1							
86666	11.280	0.056	9.834	0.024		1.219	0.048	T	1.18	0.05	L	9.8893	0.0028	0.028	157		9.85	9.96					1 X							
86667	7.446	0.004	5.725	0.002		1.436	0.004	T	1.43	0.01	L	5.6947	0.0007	0.009	210		5.68	5.71		M	17424+2434	I 1	1							S
86668	9.189	0.011	7.694	0.006		1.258	0.010	T	1.22	0.01	L	7.7175	0.0012	0.014	182		7.69	7.74					1							
86669	11.224	0.098	8.952	0.026		1.875	0.081	T	1.91	0.08	L	8.8219	0.0025	0.021	46		8.79	8.86					1 S							
86670	2.161	0.004	2.357	0.006		−0.171	0.006	T	−0.22	0.02	A	2.3164	0.0013	0.007	41		2.31	2.33	0.20	P 1 A			1							S P
86671	9.260	0.018	7.927	0.011		1.131	0.017	T	1.09	0.02	L	7.9214	0.0015	0.011	63		7.89	7.94		C			1							S
86672	9.959	0.032	9.096	0.025		0.757	0.031	T	0.80	0.02	L	9.1593	0.0045	0.041	70		9.10	9.24		U 2			1							P
86673	10.655	0.060	9.950	0.053		0.648	0.016	G	0.71	0.01	H	9.9898	0.0034	0.025	54		9.95	10.03		C			1							G
86674	8.950	0.021	7.912	0.015		0.940	0.002	G	0.99	0.00	I	7.9349	0.0019	0.012	59		7.91	7.95					1							
86675	8.586	0.016	8.301	0.018		0.271	0.023	T	0.31	0.03	L	8.3313	0.0015	0.010	65		8.31	8.35					1							
86676	8.301	0.007	8.254	0.009		0.048	0.011	T	0.06	0.01	L	8.2893	0.0018	0.018	135		8.26	8.31					1							S
86677	9.056	0.016	6.848	0.006		1.865	0.014	T	2.75	0.02	O	6.5933	0.0029	0.019	60		6.57	6.63		U 2			1 S							S
86678	9.863	0.030	9.590	0.034		−0.020	0.040	G	0.00	0.04	R	9.6160	0.0016	0.018	57		9.59	9.65		C			1							
86679	6.962	0.004	6.681	0.004		0.297	0.004	G	0.34	0.01	H	6.7189	0.0007	0.008	151		6.71	6.73					1							S
86680	9.099	0.014	7.936	0.009		0.998	0.013	T	0.98	0.01	L	7.9860	0.0008	0.008	103		7.97	8.00					1							S
86681	8.754	0.009	7.625	0.006	A	0.990	0.015	G	0.95	0.01	L *	7.6547	0.0012	0.015	159	*	7.63	7.68		D	17426+2633	I 1	2 C B	AB	25	7.784	0.039	3.52	0.14	S
86682	10.716	0.055	9.423	0.032		1.100	0.050	T	1.06	0.05	L	9.4099	0.0026	0.016	69		9.38	9.43		C			1							
86683	7.092	0.008	7.026	0.007		0.066	0.010	T	0.08	0.01	L	7.0365	0.0008	0.006	54		7.02	7.05		C			1							S
86684	9.808	0.034	9.168	0.032	A	0.594	0.041	T	0.66	0.04	L	9.2147	0.0418	0.049	59	A	9.10	9.28		D	17427−2222	I 2	1 C P A							
86685	11.478	0.171	10.679	0.136	B	0.724	0.168	T	0.78	0.12	L	10.7344	0.1385			B				D	17427−2222	I 2	1 C I A							
86686	10.268	0.047	9.555	0.040		0.635	0.020	G	0.70	0.02	H	9.5713	0.0033	0.021	59		9.54	9.61		C			1							G
86687	9.383	0.015	9.231	0.018		0.146	0.022	T	0.16	0.02	L	9.2760	0.0017	0.016	109		9.25	9.31					1							
86688	10.164	0.029	8.154	0.011		1.702	0.026	T	2.18	0.06	O	8.0114	0.0021	0.018	125		7.98	8.03		U			1							
86689	8.914	0.021	8.471	0.021		0.418	0.027	T	0.48	0.03	L	8.4689	0.0026	0.013	57		8.45	8.49		C			1							
86690	8.357	0.013	7.795	0.014		0.512	0.004	G	0.58	0.00	H	7.8592	0.0018	0.015	56		7.83	7.89					1							S
86691	11.145	0.066	10.153	0.044		0.824	0.004	G	0.86	0.00	H	10.1568	0.0024	0.027	104		10.11	10.20		D			1							G
86692	8.688	0.011	8.352	0.012	A	0.338	0.001	G	0.39	0.00	H	8.3976	0.0061	0.017	119	A	8.37	8.44		D	17428+4310	I 2	1 C P D							S D
86693	10.643	0.057	8.795	0.022		1.537	0.048	T	1.59	0.10	L	8.7348	0.0028	0.016	54		8.71	8.77					1							
86694	9.234	0.022	8.792	0.023		0.456	0.022	G	0.53	0.02	H	8.8244	0.0024	0.017	58		8.79	8.85		C			1							
86695	7.960	0.007	7.621	0.007		0.348	0.015	G	0.41	0.02	H	7.6598	0.0012	0.009	111		7.64	7.68		C			1							S
86696	9.356	0.029	8.893	0.029		0.450	0.032	T	0.52	0.03	L	8.9232	0.0018	0.019	53		8.89	8.97		C			1							
86697	11.410	0.098	10.802	0.087	B	0.567	0.115	T	0.64	0.11	L	11.0919	0.0505			B				D	17428+4310	I 2	1 C I D							D
86698	7.579	0.009	5.709	0.005		1.553	0.004	G	1.56	0.09	H	5.6553	0.0010	0.007	67		5.64	5.66		M			1							S
86699	10.549	0.045	9.056	0.022		1.256	0.039	T	1.21	0.04	L	9.0651	0.0027	0.014	54		9.04	9.09		C			1							
86700	10.448	0.038	8.922	0.019		1.270	0.020	G	1.23	0.02	H	8.9346	0.0015	0.016	79		8.90	8.96		C			1							

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)										Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
86701	17 42 53.02	−49 57 04.0	8.68	H	265.720 935 97	−49.951 123 11	6.57	−99.09	−77.41	1.29	0.95	1.44	1.67	1.28	−16	−38	+ 5	+30	− 9	−20	− 2	+30	−14	− 9	0	−0.49
86702	17 42 54.88	−10 47 41.1	9.21	H	265.728 656 49	−10.794 754 96	13.83	31.10	−78.13	1.32	0.77	1.44	1.69	0.83	−12	−41	+ 4	−10	+29	+ 0	+27	−34	− 8	+ 7	0	0.58
86703	17 42 57.48	−79 28 40.3	8.60	1 H	265.739 493 30	−79.477 869 82	1.16	0.58	5.52	0.63	0.68	0.85	0.72	0.78	−16	−22	+ 7	+32	−12	−10	−14	+ 8	+14	−16	0	0.13
86704	17 42 57.71	−57 58 00.2	8.31	H	265.740 449 36	−57.966 719 54	7.13	−22.57	−1.80	1.12	0.70	1.11	1.44	0.73	+23	+17	+ 4	−56	−28	−19	−27	−47	+ 1	+34	0	0.42
86705	17 42 58.66	−24 33 23.0	10.57	G	265.744 411 05	−24.556 383 96	3.97	−40.90	−82.01	1.93	1.39	2.17	2.71	1.84	−15	−11	−31	+15	−33	+ 1	−27	+37	−22	−39	0	0.67
86706	17 42 59.58	+30 21 24.5	8.49	H	265.748 262 79	+30.356 804 83	5.90	−8.06	−0.19	0.60	0.64	0.83	0.70	0.68	+15	−16	− 5	+21	+18	−13	+17	+26	− 8	+25	2	−2.12
86707 H	17 43 00.67	+05 47 22.1	10.68	H	265.752 783 47	+05.789 475 98 A	50.80	225.71	−60.54	3.62	2.50	3.38	2.83	1.76	−24	−13	−12	− 7	+22	−19	+21	+17	−28	−25	2	0.60
86708	17 43 01.28	−49 11 46.2	10.00	H	265.755 325 82	−49.196 157 66	7.85	−6.50	−39.57	1.68	1.34	1.95	2.10	1.65	−17	− 6	−15	+23	−38	+ 7	−31	+27	−37	−31	0	−0.50
86709	17 43 01.30	+29 39 10.6	7.13	2 H	265.755 416 67	+29.652 941 90	2.21	10.52	−14.10	0.50	0.50	0.69	0.58	0.57	+ 4	−13	+ 0	−13	+ 8	−11	+ 8	+ 5	−16	+11	0	0.76
86710	17 43 01.99	+17 40 45.0	8.15	2 H	265.758 310 21	+17.679 177 91	1.08	12.12	−16.06	0.87	0.81	1.17	1.09	0.98	+17	−20	−20	+44	+20	− 1	+19	+41	− 6	− 7	0	1.45
86711	17 43 03.46	+37 34 10.8	7.98	2 H	265.764 413 31	+37.569 674 11	4.48	8.90	−1.81	0.54	0.60	0.68	0.55	0.66	− 3	− 9	+14	+17	+ 6	− 6	+ 9	+ 9	+ 1	+16	2	−0.02
86712	17 43 04.68	−70 52 21.4	9.69	2 H	265.769 495 81	−70.872 618 31	0.11	−1.77	−18.53	0.70	0.99	1.45	0.69	1.12	− 4	−22	−17	+16	−22	− 7	−22	+21	−12	−19	1	1.87
86713	17 43 05.58	+44 05 03.2	6.38	1 H	265.773 252 56	+44.084 235 52	2.67	−42.39	34.71	0.48	0.53	0.56	0.53	0.63	− 3	+ 3	−15	−23	+ 5	−17	+ 3	−31	+16	− 1	0	0.07
86714	17 43 05.91	+09 04 25.9	11.82	G	265.774 619 28	+09.073 858 70	13.71	−31.54	188.07	2.28	1.67	2.93	2.40	1.76	−17	−22	− 4	+10	+27	+ 5	+30	+18	−32	−13	0	−1.80
86715	17 43 06.49	+01 44 15.5	8.84	G	265.777 049 54	+01.737 642 96	3.09	−6.12	−8.94	1.03	0.81	1.23	1.23	0.90	+19	−31	−38	−17	− 4	+ 8	− 8	−38	+25	+22	0	1.44
86716	17 43 06.86	−33 03 04.6	6.44	1 H	265.778 602 53	−33.051 275 44	1.22	−2.98	− 5.48	0.90	0.55	0.96	1.01	0.57	− 4	−38	−13	+39	− 8	+ 6	− 9	+58	+ 3	+ 3	0	−1.48
86717	17 43 06.99	+10 21 44.2	8.31	H	265.779 121 94	+10.362 290 51	5.26	−8.09	−13.80	0.80	0.63	0.95	0.82	0.63	+ 4	−13	−16	+ 7	+47	−18	+42	+32	−14	+25	0	−1.61
86718	17 43 07.42	−44 46 00.3	8.29	H	265.780 909 67	−44.766 740 97	2.91	6.93	4.89	1.06	0.77	1.11	1.22	0.84	− 1	−24	−12	+30	−28	− 8	−24	+32	− 6	−11	0	1.18
86719	17 43 08.13	−26 10 37.1	10.01	H	265.783 895 61	−26.176 966 99	10.16	−17.89	−11.70	1.60	1.05	1.80	2.07	1.38	+ 5	−32	−24	+ 7	−12	−16	−15	+10	+10	−48	0	−0.11
86720	17 43 08.70	−56 23 25.3	10.90	G	265.786 238 94	−56.390 372 07	9.46	−57.90	−195.76	2.76	2.29	3.44	3.11	2.19	− 7	−20	+ 7	−34	− 2	+ 2	+ 4	−64	+ 1	+13	0	
86721 H	17 43 10.66	+24 47 11.1	7.92	G	265.794 404 55	+24.786 407 39 A	12.46	−52.41	−25.38	0.70	0.90	1.17	0.87	1.04	+ 5	− 2	+ 1	+ 9	+ 7	− 2	+ 6	+20	+ 9	+11	2	1.03
86722	17 43 15.72	+21 36 38.6	7.51	G	265.815 502 64	+21.610 715 79	42.45	−123.15	−619.84	0.78	0.73	0.98	1.00	0.88	+15	−21	+17	−27	+44	+29	+43	+46	+11	+17	0	1.85
86723	17 43 15.95	+32 59 03.8	7.74	H	265.816 454 88	+32.984 383 64	4.66	−5.32	13.18	0.46	0.50	0.65	0.50	0.55	+ 8	−14	−16	+ 7	+11	−25	+ 9	+15	−12	+ 8	1	0.34
86724	17 43 16.08	+17 41 22.9	7.99	H	265.817 010 77	+17.689 690 36	4.31	−5.62	3.05	0.87	0.76	1.09	1.04	0.95	+29	−17	−13	+53	+35	− 6	+29	+37	+14	+ 1	0	0.91
86725	17 43 17.71	−27 53 02.3	6.40	H	265.823 774 33	−27.883 971 95	1.11	4.04	− 3.72	0.96	0.73	0.91	1.44	1.03	−48	−19	−30	+47	−48	+ 7	−43	+55	−13	−75	0	−0.16
86726	17 43 18.06	+22 47 35.4	8.97	H	265.825 230 59	+22.793 171 89	2.54	−2.84	−2.80	0.60	0.93	1.30	0.82	1.09	− 4	− 8	−11	+27	+13	− 5	+12	+17	− 4	+ 5	1	0.89
86727	17 43 18.47	+18 49 26.6	8.15	H	265.826 958 58	+18.824 069 30	3.12	−5.92	4.96	0.76	0.74	1.04	0.86	0.89	+14	−33	−13	+31	+15	+ 9	+16	+33	− 7	−19	0	−0.76
86728	17 43 18.94	−57 43 26.2	6.85	2 H	265.828 933 55	−57.723 954 29	3.32	−3.20	−6.02	0.73	0.53	0.83	0.91	0.53	−16	− 6	+ 7	−32	+ 4	−17	+ 8	−47	+ 0	− 3	0	1.54
86729 H	17 43 19.53	−60 08 45.8	8.37	H	265.831 355 91	−60.146 049 66 A	6.46	−3.53	−45.09	1.79	1.57	2.07	1.84	1.42	+ 1	−21	− 5	− 3	− 9	+ 6	−11	−23	+ 6	− 5	1	3.14
86730	17 43 20.72	−27 14 31.1	8.76	H	265.836 332 12	−27.241 963 24	2.00	−12.38	−12.19	1.33	0.93	1.44	1.70	1.21	−20	−28	−21	+20	−28	+ 9	−16	+39	−19	−56	6	−0.19
86731	17 43 21.64	+24 19 39.5	5.73	H	265.840 161 61	+24.327 645 91	26.13	−116.66	72.26	0.31	0.42	0.63	0.37	0.48	+ 4	− 8	− 3	−13	+11	−13	+ 6	+ 8	+ 8	+19	0	0.10
86732	17 43 22.02	+14 17 42.4	6.22	H	265.841 755 80	+14.295 099 83	8.78	1.24	28.02	0.62	0.51	0.74	0.67	0.56	+ 8	− 8	− 3	+21	+35	+13	+36	+31	− 4	+ 9	2	1.22
86733 H	17 43 22.89	+33 56 41.5	8.19	H	265.845 393 70	+33.944 873 42 B	4.38	−5.70	−6.45	1.35	1.53	1.73	1.33	1.59	+22	+ 2	−13	+12	+ 3	−15	+ 4	− 2	−14	+10	1	0.31
86734	17 43 23.16	−09 00 33.1	8.95	H	265.846 496 16	−09.009 195 16	4.91	−16.15	−1.10	1.13	0.76	1.31	1.26	0.80	+11	−23	−19	+ 2	+11	−14	+ 0	−34	+18	− 6	2	0.66
86735	17 43 24.28	−46 35 16.6	7.53	H	265.851 176 01	−46.587 937 37	2.49	−2.13	− 4.53	1.07	0.79	1.08	1.30	0.93	+ 4	−17	−11	+55	+ 4	+13	+ 6	+52	+ 4	+22	0	0.96
86736	17 43 25.85	−21 40 59.1	4.86	H	265.857 728 97	−21.683 085 66	57.00	−97.93	−44.57	0.80	0.54	0.79	0.92	0.64	−24	−32	−11	+42	−36	+19	−31	+51	− 8	−38	0	−1.56
*86737	17 43 26.00	−35 17 51.6	6.92	2 H	265.858 324 55	−35.297 659 13	1.95	−1.07	−0.77	1.06	0.67	1.20	1.11	0.66	+16	−52	−36	+24	−23	− 9	−13	+45	−11	−14	2	−0.24
*86738	17 43 25.98	+21 39 43.7	8.43	1 H	265.858 238 06	+21.662 132 76	2.84	5.19	− 4.86	0.81	0.81	1.19	1.06	1.00	− 3	−32	+ 5	−36	+33	+19	+19	+27	+10	+15	0	1.04
86739	17 43 26.40	−78 41 34.3	7.01	H	265.859 985 80	−78.692 854 41	3.69	−12.80	−1.56	0.48	0.50	0.65	0.51	0.54	− 7	−24	−13	+20	−11	− 7	−14	+ 2	− 3	−28	0	−0.56
86740	17 43 27.26	+27 01 22.3	7.40	H	265.863 592 76	+27.022 855 62	4.44	−7.42	− 8.35	0.47	0.53	0.73	0.61	0.63	+ 0	− 4	+ 0	− 4	+ 8	− 8	+ 7	+17	−12	+ 2	0	0.43
86741	17 43 27.63	−68 56 14.4	8.73	G	265.865 134 16	−68.937 330 76	13.95	−70.09	−158.99	0.67	0.77	1.14	0.76	0.88	+13	−26	− 3	+16	−17	− 8	−15	+15	− 3	+19	0	−0.78
86742	17 43 28.38	+04 34 00.9	2.76	H	265.868 237 14	+04.566 916 84	39.78	−40.67	158.80	0.59	0.41	0.75	0.61	0.40	−21	−38	+ 8	+ 3	+39	+12	+39	+28	−32	−17	0	−0.42
86743	17 43 29.88	+19 32 48.3	8.97	H	265.874 497 58	+19.546 752 27	5.74	20.86	−25.81	0.84	0.97	1.40	1.17	1.21	−10	−13	+12	+16	+ 9	+ 2	+ 6	+28	+13	−16	1	−0.62
86744	17 43 30.09	−30 10 36.9	7.79	H	265.875 392 66	−30.176 923 66	7.43	−1.59	−16.17	0.94	0.62	1.02	1.13	0.65	−10	−32	−20	+30	−20	+ 1	−16	+63	−14	− 7	0	0.37
86745	17 43 32.14	−47 21 57.2	9.22	H	265.883 925 74	−47.365 877 78	9.02	−81.84	−79.69	1.54	1.12	1.74	1.62	1.16	+11	−34	−37	+55	− 4	− 1	+ 2	+49	−19	− 5	0	−0.57
86746	17 43 32.33	−55 37 42.5	9.03	G	265.884 697 80	−55.628 467 89	8.41	26.16	−206.35	0.96	0.79	1.35	0.99	0.72	−12	−36	+16	−23	− 4	+18	+ 1	−61	− 2	+ 6	0	0.72
86747 H	17 43 33.09	−57 01 19.6	6.64	G	265.887 889 49	−57.022 123 70 A	2.67	−9.33	−11.58	0.83	0.68	0.95	0.95	0.63	+ 5	−19	− 8	−12	− 1	− 2	− 2	−37	+ 4	+18	1	0.29
86748	17 43 34.53	−60 04 33.5	9.02	H	265.893 865 37	−60.075 968 85	2.43	0.38	−10.50	0.82	0.68	1.09	0.85	0.67	−15	−31	+ 4	−17	− 2	+21	− 2	−24	+ 2	− 9	0	−0.06
86749	17 43 34.93	+34 46 44.6	9.98	H	265.895 560 04	+34.779 045 68 B	3.27	5.91	−19.75	12.57	13.03	9.82	9.09	10.58	+14	−24	− 6	−10	− 1	− 7	+ 0	− 8	−11	+10	1	2.58
86750	17 43 35.03	+34 46 29.5	7.78	H	265.895 958 88	+34.774 859 71 A	3.74	2.38	−16.67	1.22	1.24	1.20	1.14	1.30	+12	−27	− 5	− 1	− 2	− 9	+ 0	− 5	−15	+ 5	1	2.58
86751	17 43 35.19	−32 39 45.9	6.65	2 H	265.896 625 30	−32.662 761 61	1.58	−0.56	− 6.44	0.79	0.54	0.84	1.06	0.59	−14	−14	− 6	+35	−18	+ 5	−18	+58	− 1	+ 5	0	1.13
*86752	17 43 36.09	−34 04 53.0	7.71	H	265.900 376 59	−34.081 390 67	3.49	−2.26	− 8.02	1.12	0.76	1.18	1.35	0.80	+21	−35	−28	+44	+11	− 7	+12	+63	−12	+26	0	−1.37
*86753	17 43 36.07	+28 39 58.6	8.97	H	265.900 279 03	+28.666 274 35	2.86	13.39	− 9.86	0.71	0.80	1.04	0.95	0.94	+11	+ 6	+ 1	+ 4	+ 6	−15	+ 5	+14	−16	+14	0	−0.30
86754	17 43 36.29	+41 37 00.7	8.41	H	265.901 209 75	+41.616 868 01	5.99	7.06	33.63	0.61	0.71	0.78	0.64	0.95	− 5	+ 0	− 8	+14	− 2	− 8	− 4	+ 8	−19	−13	1	0.37
86755	17 43 37.27	−45 58 16.7	6.92	H	265.905 302 04	−45.971 303 44	4.42	7.81	− 8.98	0.83	0.63	0.86	0.98	0.69	−23	−16	−20	+42	−27	+ 8	−24	+44	−11	−35	0	0.82
86756 H	17 43 38.77	+22 36 43.3	8.26	G	265.911 538 25	+22.612 022 52 A	5.44	−19.21	−12.87	1.78	2.42	2.76	1.93	2.70	+ 0	+ 5	+ 2	+ 3	+14	− 6	+14	− 1	+16	+29	1	1.00
86757	17 43 39.09	+15 00 50.9	8.24	H	265.912 895 40	+15.014 145 73	3.22	−4.17	−22.20	0.84	0.73	1.08	0.87	0.73	−20	− 5	− 4	+ 5	+32	+12	+31	+11	−10	− 3	0	−1.98
86758	17 43 39.16	−49 05 29.6	10.14	H	265.913 147 67	−49.091 560 57	5.60	−5.89	−29.98	1.88	1.51	2.17	2.28	1.86	−13	+ 3	−10	+26	−36	+ 2	−34	+24	−37	−23	0	1.97
86759	17 43 39.74	−71 28 21.3	9.22	H	265.915 564 36	−71.472 591 43	5.27	−18.57	−34.25	0.65	0.85	1.22	0.74	0.94	+ 7	−13	− 3	+ 3	−15	−17	−16	− 4	− 1	− 5	1	0.78
86760	17 43 42.06	−61 32 48.1	8.38	2 H	265.925 263 06	−61.546 704 34	0.45	−16.15	−20.04	0.85	0.70	1.06	1.09	0.84	+22	−21	−15	−32	−24	+13	−25	−22	+14	+31	2	0.68
86761	17 43 42.51	−29 37 07.1	10.26	T	265.927 105 58	−29.618 650 90	2.36	−6.66	−15.88	1.96	1.44	2.07	2.57	1.51	−21	−23	−29	+34	−50	+21	−32	+69	−24	−42	0	0.39
86762 H	17 43 43.12	−38 11 45.3	8.03	G	265.929 687 15	−38.195 915 95 A	1.48	4.44	− 3.53	1.61	1.19	1.53	1.85	1.21	+16	−29	− 5	+12	−17	− 1	−16	+43	+ 5	+22	3	−0.67
86763	17 43 43.55	+12 06 24.0	9.26	H	265.931 439 25	+12.106 677 94	9.26	−0.42	−32.54	0.90	0.82	1.21	0.94	0.82	− 2	−14	− 1	+ 5	+39	+14	+38	+22	−14	+ 6	2	−0.55
86764	17 43 44.29	−46 36 22.6	8.13	H	265.934 545 50	−46.606 271 44	2.57	4.05	− 3.59	1.24	0.89	1.36	1.55	1.02	+ 4	− 9	−30	+55	− 4	+24	+ 5	+48	− 1	+ 9	3	0.90
86765	17 43 44.32	−03 55 02.2	7.67	G	265.934 648 56	−03.917 279 49	33.36	−107.96	−242.76	1.01	0.85	1.09	1.19	0.95	−32	+14	−43	−47	+40	−32	+32	−58	+33	−48	2	0.49
86766	17 43 45.35	−66 48 27.8	8.49	G	265.938 970 36	−66.807 725 43	9.35	68.34	19.13	0.59	0.64	1.13	0.82	0.71	+ 3	−21	−13	+31	−31	−10	−23	+15	− 9	+ 1	0	2.53
86767	17 43 46.62	−42 09 05.9	9.70	H	265.944 242 43	−42.151 647 94	7.92	27.92	−17.90	1.67	1.23	1.70	2.73	1.54	+13	−20	−18	+11	−23	+ 2	−19	+42	− 6	+34	0	−0.95
86768	17 43 47.02	−07 04 46.5	6.30	H	265.945 936 37	−07.079 582 49	2.34	−7.12	−10.39	0.71	0.46	0.80	0.70	0.51	+ 3	−48	−10	+12	− 7	+12	− 5	−13	− 3	− 9	0	1.91
86769	17 43 48.45	−13 30 30.3	6.36	H	265.951 883 77	−13.508 429 17	23.43	−71.14	−110.93	0.78	0.45	0.89	0.84	0.46	+ 6	−37	−25	−17	+21	−13	+12	−41	+10	− 3	2	1.92
86770	17 43 50.29	−67 24 10.3	7.59	2 H	265.959 553 44	−67.402 860 25	2.52	5.77	−37.52	0.50	0.55	0.93	0.68	0.61	+ 8	−13	−10	+39	−30	− 3	−23	+16	−11	+ 4	0	−1.87
86771	17 43 50.55	+02 00 29.5	8.66	H	265.960 614 67	+02.008 196 31	1.70	−2.50	3.71	1.16	0.92	1.37	1.41	1.07	+26	−33	−33	−23	−14	+11	−13	−45	+25	+43	2	0.81
86772	17 43 51.44	+07 50 05.3	8.99	H	265.964 350 42	+07.834 799 50	3.37	0.15	2.48	1.09	0.78	1.31	1.20	0.76	+15	−17	− 2	+25	+51	+ 8	+48	+43	−25	+15	0	−0.03
86773	17 43 52.92	−49 55 34.8	8.69	H	265.970 510 72	−49.926 341 09	3.95	6.26	− 5.88	1.39	1.04	1.53	1.98	1.43	−16	−28	− 6	+34	− 5	−21	− 4	+33	− 8	−17	0	2.07
86774	17 43 54.40	+11 34 57.2	8.37	H	265.976 687 35	+11.582 544 66	4.08	−33.80	−23.58	0.80	0.66	1.00	0.88	0.65	−11	− 9	−17	+10	+30	+ 9	+29	+28	−21	− 5	0	0.89
86775	17 43 55.84	+69 04 26.8	7.82	H	265.982 685 50	+69.074 109 90	15.80	−61.79	−43.21	0.64	0.65	0.65	0.83	0.78	+22	−13	−18	−23	−18	− 1	−15	−38	+ 0	+43	1	0.81
86776	17 43 55.95	+43 22 48.3	10.49	G	265.983 144 49	+43.380 076 97	105.39	9.48	−602.62	1.03	1.05	1.15	1.26	1.23	+22	− 5	+ 3	−18	−11	−16	−10	−22	− 4	+25	0	0.87
86777	17 43 56.50	−06 16 08.7	8.77	2 H	265.985 399 04	−06.269 081 68	1.83	2.39	− 6.36	0.98	0.70	1.10	1.08	0.76	+14	−30	− 7	− 8	− 4	+ 6	− 6	−42	+ 3	+ 8	4	1.82
86778	17 43 56.50	−22 45 42.9	8.64	H	265.985 432 68	−22.761 909 84	3.05	8.59	− 1.39	1.25	0.78	1.41	1.38	0.92	+14	−46	−29	+ 9	−20	−13	−19	+13	− 1	−32	0	0.03
86779	17 43 56.79	+04 19 58.5	8.04	H	265.986 631 92	+04.332 910 67	1.66	−3.08	6.48	0.79	0.54	1.04	0.82	0.55	−17	−32	+ 4	+ 7	+37	+11	+38	+29	−33	−10	0	−0.16
86780	17 43 57.59	−56 21 20.0	7.65	H	265.989 955 60	−56.355 553 17	2.39	34.66	−23.15	0.74	0.56	0.99	0.79	0.54	+ 4	−35	+12	− 6	−10	− 2	+ 1	−49	− 8	+28	3	1.26
86781	17 43 58.17	+55 09 35.3	9.06	H	265.992 364 71	+55.159 798 45	11.78	9.44	70.60	0.71	0.66	0.73	0.76	0.82	+ 5	−10	−10	+ 5	+ 9	− 9	+10	− 3	+ 1	+ 9	0	−0.62
86782	17 43 59.16	+53 48 06.3	5.75	H	265.996 512 72	+53.801 754 82	7.90	13.32	−16.35	0.46	0.44	0.48	0.55	0.61	+ 2	+ 2	−18	+12	+17	−12	+ 8	−16	+ 2	−17	0	1.39
86783	17 43 59.41	−73 03 53.2	8.70	H	265.997 533 66	−73.064 767 95	9.03	36.79	−102.13	0.60	0.78	1.06	0.66	0.91	− 8	− 7	− 5	+18	−11	−12	−13	+16	+ 2	− 5	0	−0.44
86784	17 44 00.70	−52 36 45.6	7.78	H	266.002 903 35	−52.612 671 40	3.77	−2.87	− 6.49	0.79	0.57	0.99	0.92	0.63	−43	−30	+21	+28	−34	+17	−32	+ 6	− 3	−29	0	−1.04
86785	17 44 00.81	−01 48 25.5	7.70	H	266.003 369 91	−01.807 073 66	4.76	−0.86	− 1.75	0.82	0.60	0.92	1.05	0.74	+ 5	−18	−20	−10	− 3	+ 0	− 1	−20	− 9	+ 5	0	−0.77
86786	17 44 00.82	−05 55 46.4	7.21	H	266.003 428 96	−05.929 549 85	12.22	3.23	− 8.71	0.80	0.56	0.88	0.83	0.61	+15	−35	− 8	− 4	− 9	+ 5	−12	−29	+ 0	− 2	4	3.04
86787	17 44 02.20	−75 40 55.1	8.85	H	266.009 174 71	−75.681 963 61	2.82	−8.41	−14.83	0.62	0.73	0.95	0.75	0.82	+ 6	−21	−10	+ 9	− 6	− 2	− 2	+15	−13	−11	1	0.35
86788	17 44 02.42	−44 38 06.9	8.24	G	266.010 072 25	−44.635 254 15	1.92	−2.52	− 4.00	1.00	0.74	1.04	1.13	0.77	−11	−22	− 8	+36	−35	− 6	−30	+40	− 7	−22	0	0.14
86789	17 44 03.54	−04 33 34.2	9.79	H	266.014 732 71	−04.559 499 81 A	6.85	21.93	1.82	3.15	2.42	2.87	3.40	2.29	+47	− 7	−44	−45	− 5	−40	−34	−67	+31	+ 3	0	0.51
86790	17 44 04.09	−48 18 43.6	7.89	H	266.017 031 22	−48.312 099 17	3.67	−1.66	− 5.13	1.11	0.76	1.24	1.07	0.77	+ 0	−42	−26	+24	−32	+10	−24	+23	−14	−34	0	0.69
86791	17 44 04.31	+45 02 04.8	6.75	H	266.017 961 14	+45.034 663 07	6.09	0.34	16.16	0.47	0.48	0.56	0.61	0.62	− 4	+ 1	− 4	+ 1	+ 3	−27	+ 2	− 7	− 9	− 6	1	−1.84
86792	17 44 05.67	−38 48 20.3	6.74	H	266.023 616 61	−38.805 634 63	6.69	−12.91	−45.31	0.78	0.59	0.81	0.96	0.63	− 4	−20	− 3	+28	−28	−12	−23	+45	+ 6	−18	0	−0.52
86793	17 44 06.36	−58 07 32.5	8.59	H	266.026 485 76	−58.125 681 51	8.68	−145.04	−40.91	1.22	0.77	1.20	1.44	0.75	+ 7	+13	+ 9	−56	−13	−28	−11	−57	− 9	+13	0	−0.20
86794	17 44 06.68	−70 14 29.8	8.16	G	266.027 838 92	−70.241 605 61	0.97	−0.96	−38.33	0.42	0.65	0.93	0.45	0.74	+11	−11	− 9	−14	−16	+ 5	−15	+11	− 1	+ 3	2	0.63
86795	17 44 07.52	+56 11 37.1	8.37	H	266.031 334 67	+56.193 646 86	6.82	−18.46	−56.83	0.65	0.68	0.67	0.67	0.88	+10	+18	−18	+30	+17	− 1	+20	+21	+ 4	− 7	0	−0.03
86796	17 44 08.72	−51 50 00.9	5.12	H	266.036 321 10	−51.833 588 36	65.46	−15.06	−191.17	0.71	0.50	0.80	0.93	0.54	−56	−17	+ 6	+38	−52	+31	−48	+21	−13	−50	2	1.36
86797	17 44 10.00	+00 21 17.8	8.07	H	266.041 682 72	+00.354 941 44	10.46	−10.01	−12.79	1.06	0.74	1.23	1.14	0.76	+41	−54	−50	+ 6	−18	+12	−17	−20	+13	+21	0	−0.24
86798	17 44 11.00	+52 44 20.6	9.64	H	266.045 816 61	+52.739 047 07	7.61	12.57	10.59	0.87	0.90	0.96	0.98	1.20	+ 5	+ 6	−26	− 2	+12	−13	+15	+14	−11	− 8	0	−0.23
86799	17 44 12.61	−41 39 40.5	7.86	H	266.052 544 40	−41.661 249 32	1.34	−0.75	− 4.07	1.09	0.84	1.15	1.55	1.02	−16	−10	+ 3	+24	−33	−18	−32	+43

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
86701	9.468	0.025	8.818	0.022		0.595	0.025	T	0.67	0.02	L	8.8110	0.0023	0.016	56		8.78	8.84		C			1							
86702	10.013	0.024	9.240	0.020		0.703	0.024	T	0.76	0.02	L	9.3542	0.0020	0.019	85		9.33	9.38		C			1							
86703	10.789	0.034	8.787	0.012		1.696	0.030	T	1.88	0.08	O	8.6930	0.0025	0.023	151		8.66	8.73		U			1							
86704	9.977	0.023	8.455	0.012		1.279	0.020	T	1.24	0.02	L	8.4631	0.0016	0.017	115		8.44	8.49					1							
86705	11.371	0.126	10.914	0.145		0.750	0.015	G	0.79	0.01	H	10.7042	0.0036	0.031	55		10.65	10.76		C			1							G
86706	8.828	0.012	8.526	0.013		0.287	0.017	T	0.33	0.02	L	8.5617	0.0015	0.017	135		8.53	8.60					1							
86707						1.507	0.015	G	2.12	0.12	I *	10.7375	0.0029	0.025	130	*	10.69	10.78		D	17430+0547	H 1	2 C B	AB	122	0.434	0.027	1.84	0.12	G
86708	10.814	0.089	10.021	0.068		0.703	0.085	T	0.76	0.07	L	10.1367	0.0041	0.023	54		10.09	10.18		C			1							G
86709	9.116	0.012	7.379	0.006		1.477	0.011	T	2.75	0.03	O	7.0947	0.0081	0.065	140		7.00	7.20	29.52	P 1 A			1 S							S
86710	10.213	0.030	8.387	0.013		1.551	0.027	T	2.56	0.05	O	8.1555	0.0071	0.050	97		8.09	8.25		U 2			1 S							
86711	8.372	0.008	8.016	0.009		0.351	0.015	G	0.41	0.02	H	8.0652	0.0063	0.041	126		8.01	8.11	0.13	P 1 A			1							S
86712	10.028	0.016	9.726	0.018		0.288	0.026	T	0.33	0.03	L	9.7622	0.0029	0.047	240		9.70	9.95	4.28	P 1 A			1 S							
86713	8.397	0.010	6.569	0.005		1.521	0.009	T	1.56	0.01	L	6.4988	0.0017	0.014	123		6.47	6.52		U 2			1							S
86714						1.328	0.020	G	1.54	0.03	I	11.9422	0.0076	0.067	111		11.83	12.03					1							D
86715	9.542	0.020	8.891	0.018		0.614	0.015	G	0.68	0.01	H	8.9674	0.0017	0.015	75		8.95	8.99					1							
86716	8.784	0.015	6.640	0.006		1.813	0.013	T	2.39	0.03	O	6.4731	0.0027	0.016	82		6.44	6.50		U 2			1 S							S
86717	8.520	0.009	8.315	0.010		0.196	0.013	T	0.21	0.01	L	8.3786	0.0017	0.014	99		8.36	8.42					1							
86718	9.523	0.026	8.441	0.018		0.936	0.024	T	0.93	0.02	L	8.4520	0.0018	0.016	63		8.43	8.48		C	17431−4446	I 1	1 S							
86719	10.719	0.064	10.075	0.058		0.624	0.015	G	0.69	0.01	H	10.1384	0.0036	0.021	54		10.10	10.17					1							G
86720	11.647	0.106	10.803	0.081		0.758	0.020	G	0.80	0.02	H	11.0800	0.0038	0.034	129		11.02	11.14		C			1 X							G
86721	8.813	0.010	8.013	0.008	A	0.730	0.015	G	0.78	0.01	H *	8.0370	0.0013	0.014	180	*	8.01	8.07		C	17432+2447	I 1	2 C A	AB	241	3.354	0.021	3.28	0.08	S
86722	8.453	0.009	7.592	0.008		0.752	0.005	G	0.87	0.02	A	7.6442	0.0011	0.010	120		7.63	7.66		C			1 G							S
86723	7.889	0.006	7.754	0.008		0.130	0.009	T	0.14	0.01	L	7.7919	0.0010	0.012	161		7.77	7.81					1							S
86724	8.148	0.008	8.010	0.009		0.133	0.011	T	0.15	0.01	L	8.0392	0.0015	0.014	100		8.01	8.07			17433+1741	I 1	1 S							S
86725	6.915	0.008	6.450	0.007		0.438	0.010	T	0.51	0.01	L	6.4965	0.0014	0.008	55		6.48	6.51		C			1							S
86726	11.076	0.040	9.172	0.013		1.615	0.035	T	2.09	0.08	O	9.0403	0.0021	0.022	185		8.99	9.09					1							
86727	9.559	0.018	8.279	0.011		1.089	0.016	T	1.05	0.02	L	8.3212	0.0016	0.014	109		8.29	8.35		C			1							
86728	11.306	0.088	7.211	0.008		2.450	0.510	G	3.29	0.35	P	6.6595	0.0312	0.174	114		6.47	6.87		U 2 C	17433−5743	I 1	1 S							P
86729	8.906	0.013	8.484	0.013	A	0.300	0.495	G	0.46	0.04	L *	8.4598	0.0016	0.019	118	*	8.43	8.50		D	17433−6009	I 1	2 C A	AB	116	3.062	0.016	2.35	0.12	
86730	10.516	0.050	8.964	0.022		1.303	0.043	T	1.26	0.04	L	8.9167	0.0028	0.018	66		8.89	8.95					1 S							
86731	6.554	0.003	5.807	0.002		0.683	0.003	T	0.74	0.00	L	5.8684	0.0005	0.007	230		5.86	5.88		C			1							S
86732	6.727	0.004	6.270	0.004		0.426	0.005	G	0.51	0.03	C	6.3192	0.0009	0.007	92		6.31	6.33					1							S
86733	8.832	0.011	8.436	0.011	*	0.375	0.015	T	0.44	0.02	L *	8.2796	0.0018	0.017	131	*	8.25	8.31		D	17434+3357	I 1	2 C A	BA	265	1.235	0.004	0.34	0.01	S
86734	10.811	0.046	9.095	0.019		1.432	0.039	T	1.42	0.06	L	9.0877	0.0025	0.019	85		9.06	9.12					1							
86735	7.492	0.008	7.522	0.012		−0.040	0.015	G	−0.02	0.01	H	7.5284	0.0021	0.010	53		7.51	7.54		C			1							S
86736	5.413	0.004	4.918	0.003		0.469	0.015	G	0.54	0.02	A	4.9689	0.0006	0.004	57		4.96	4.98		C			1							S
86737	9.596	0.025	7.179	0.008		2.000	0.015	G	2.41	0.03	C	6.9483	0.0037	0.021	69		6.91	6.98		U 2			1 S							S
86738	10.714	0.040	8.632	0.013		1.762	0.035	T	2.21	0.08	O	8.4926	0.0024	0.023	123		8.45	8.52		U			1							
86739	8.841	0.009	7.160	0.005		1.404	0.008	T	1.38	0.01	L	7.1480	0.0009	0.012	160		7.12	7.17					1							S
86740	8.829	0.010	7.515	0.006		1.116	0.009	T	1.08	0.01	L	7.5674	0.0012	0.014	169		7.54	7.59					1							S
86741	9.393	0.013	8.793	0.012		0.548	0.003	G	0.62	0.00	H	8.8502	0.0017	0.020	165		8.81	8.89		C			1 S							
86742	4.304	0.002	2.899	0.002		1.168	0.022	G	1.10	0.02	A	2.9279	0.0003	0.004	139		2.92	2.94					1							S P
86743	10.306	0.027	9.100	0.017		1.032	0.025	T	1.00	0.02	L	9.1407	0.0022	0.026	119		9.10	9.18		C			1							
86744	8.086	0.011	7.813	0.011		0.260	0.015	T	0.29	0.02	L	7.8570	0.0011	0.011	85		7.83	7.87		C			1							S
86745	9.933	0.031	9.349	0.029		0.547	0.031	T	0.62	0.03	L	9.3361	0.0028	0.017	57		9.31	9.38		C			1							
86746	9.949	0.020	9.090	0.016		0.746	0.002	G	0.79	0.00	H	9.1793	0.0022	0.020	134		9.14	9.21		C			1							
86747	6.643	0.005	6.661	0.006	A	−0.017	0.005	G	0.01	0.01	H *	6.6313	0.0008	0.009	142	*	6.62	6.65		D	17436−5701	I 1	2 C A	AB	103	1.161	0.005	1.78	0.02	S
86748	9.007	0.014	8.986	0.018		0.020	0.020	T	0.04	0.02	L	9.0343	0.0014	0.017	108		9.01	9.06		C			1							
86749	10.994	0.050	9.890	0.031	B	0.952	0.046	T	0.94	0.03	L	10.3213	0.0386			B				D	17436+3447	I 2	1 C I A							
86750	9.085	0.011	7.905	0.007	A	1.011	0.010	T	0.99	0.01	L	7.9444	0.0061	0.038	150	A	7.90	8.02		D	17436+3447	I 2	1 C P A							S
86751	8.784	0.013	6.933	0.006		1.571	0.012	T	2.94	0.02	O	6.5699	0.0051	0.084	91		6.44	6.67		U 2			1 S							S
86752	7.709	0.009	7.708	0.012		0.006	0.014	T	0.03	0.01	L	7.7237	0.0012	0.010	72		7.71	7.74		C			1							S
86753	10.250	0.027	9.069	0.016		1.012	0.024	T	0.99	0.02	L	9.1348	0.0022	0.023	141		9.08	9.17					1							
86754	8.897	0.011	8.453	0.011		0.419	0.014	T	0.49	0.01	L	8.5047	0.0016	0.016	119		8.48	8.55					1							S
86755	6.882	0.007	6.907	0.007		−0.027	0.013	G	−0.01	0.02	A	6.9189	0.0009	0.008	60		6.90	6.93		C			1							S
86756	8.790	0.011	8.352	0.010	*	0.451	0.015	G	0.52	0.02	H *	8.3610	0.0013	0.017	172	*	8.33	8.39		D	17436+2237	I 1	2 C A	AB	220	0.557	0.003	0.13	0.01	S
86757	9.916	0.025	8.376	0.013		1.290	0.020	G	1.25	0.02	H	8.4000	0.0018	0.012	90		8.38	8.43		C			1							
86758	10.782	0.076	10.155	0.067		0.583	0.088	T	0.65	0.08	L	10.2646	0.0046	0.028	59		10.22	10.31		C			1							G
86759	9.723	0.013	9.263	0.013		0.447	0.014	T	0.52	0.01	L	9.3223	0.0020	0.026	220		9.27	9.36					1							
86760	10.535	0.036	8.585	0.013		1.653	0.032	T	2.07	0.08	O	8.4578	0.0035	0.028	103		8.41	8.51		U			1							
86761	12.204	0.238	10.431	0.074		1.332	0.015	G	1.54	0.02	I	10.3485	0.0047	0.034	66		10.29	10.40					1							G
86762	8.116	0.012	7.962	0.024	*	0.160	0.001	G	0.18	0.00	H *	8.1007	0.0033	0.015	61	*	8.08	8.13		D	17437−3812	I 1	2 C A	AB	340	1.960	0.005	1.81	0.02	
86763	10.188	0.027	9.358	0.022		0.747	0.026	T	0.79	0.02	L	9.4071	0.0019	0.016	99		9.38	9.44		C			1							
86764	10.011	0.044	8.296	0.020		1.431	0.038	T	1.42	0.06	L	8.2720	0.0019	0.013	57		8.25	8.29		C			1							
86765	8.492	0.012	7.758	0.013		0.676	0.015	G	0.74	0.01	H	7.8020	0.0014	0.012	62		7.78	7.82		C			1							S
86766	9.059	0.008	8.531	0.008		0.516	0.015	G	0.59	0.02	H	8.5957	0.0015	0.022	241		8.56	8.63					1							
86767	10.236	0.046	9.725	0.047		0.480	0.059	T	0.55	0.06	L	9.8062	0.0033	0.025	58		9.75	9.84		C			1							G
86768	6.670	0.004	6.334	0.005		0.324	0.007	T	0.38	0.01	L	6.3745	0.0011	0.007	70		6.36	6.39					1							S
86769	6.801	0.004	6.409	0.004		0.384	0.009	G	0.45	0.01	H	6.4492	0.0007	0.007	106		6.44	6.46		C			1							S
86770	9.790	0.013	7.802	0.005		1.684	0.011	T	2.19	0.03	O	7.6546	0.0022	0.029	247		7.62	7.70		U 2			1							S
86771	10.802	0.050	8.863	0.018		1.609	0.042	T	1.63	0.04	L	8.7741	0.0022	0.014	64		8.76	8.80		C			1							
86772	9.268	0.017	8.966	0.018		0.287	0.023	T	0.33	0.03	L	9.0656	0.0017	0.014	91		9.04	9.09					1							
86773	10.925	0.076	8.879	0.024		1.694	0.064	T	1.72	0.07	L	8.7947	0.0038	0.021	54		8.77	8.83					1							
86774	10.073	0.028	8.523	0.014		1.301	0.025	T	1.26	0.03	L	8.5204	0.0018	0.018	96		8.50	8.56		C			1							
86775	8.468	0.012	7.880	0.010		0.554	0.015	G	0.63	0.01	H	7.9428	0.0011	0.010	89		7.93	7.96		C			1							S
86776	12.155	0.160	10.767	0.074		1.528	0.018	G	2.28	0.13	I	10.5200	0.0033	0.029	117		10.46	10.56					1							G
86777	10.050	0.029	9.041	0.020		0.881	0.026	T	0.89	0.02	L	8.9402	0.0095	0.061	77		8.87	9.17		U 2 C			1 S							P
86778	10.282	0.043	8.785	0.022		1.261	0.040	T	1.22	0.04	L	8.7733	0.0025	0.015	53		8.75	8.80		C			1							
86779	10.225	0.030	8.235	0.012		1.649	0.026	T	1.67	0.03	L	8.1480	0.0018	0.018	169		8.12	8.18					1							
86780	9.236	0.014	7.789	0.008		1.220	0.013	T	1.18	0.01	L	7.8138	0.0011	0.015	140		7.79	7.84					1							
86781	9.817	0.022	9.119	0.019		0.644	0.024	T	0.71	0.02	L	9.1992	0.0019	0.016	96		9.18	9.23		C			1							
86782	5.770	0.004	5.752	0.004		0.017	0.005	T	0.04	0.01	L	5.7652	0.0006	0.005	105		5.76	5.77		C			1 G							S
86783	9.415	0.012	8.770	0.011		0.592	0.012	T	0.66	0.01	L	8.8302	0.0016	0.020	191		8.79	8.86					1							
86784	7.778	0.006	7.779	0.007		0.004	0.008	T	0.02	0.01	L	7.7912	0.0017	0.015	128		7.77	7.82					1							S
86785	7.900	0.009	7.719	0.013		0.173	0.015	T	0.19	0.01	L	7.7551	0.0014	0.011	67		7.73	7.78		C			1							S
86786	8.469	0.012	7.326	0.007		0.983	0.011	T	0.96	0.01	L	7.3703	0.0013	0.009	71		7.36	7.39		C			1							S
86787	8.938	0.010	8.846	0.012		0.083	0.014	T	0.10	0.01	L	8.8889	0.0023	0.023	157		8.85	8.93					1							
86788	8.164	0.012	8.250	0.016		−0.044	0.006	G	−0.02	0.01	H	8.2293	0.0015	0.011	62		8.21	8.25		C			1							
86789	10.410	0.041	9.821	0.037	A	0.491	0.020	G	0.56	0.02	H	9.8950	0.0132	0.023	65	A	9.85	9.94			17441−0434	M 1	2 C B	AB	65	11.556	0.052	2.65	0.16	G
86790	9.092	0.022	7.998	0.015		0.945	0.020	T	0.94	0.01	L	8.0520	0.0021	0.013	53		8.03	8.07		C			1							S
86791	6.702	0.004	6.739	0.005		−0.029	0.006	T	−0.01	0.01	L	6.7468	0.0011	0.009	113		6.73	6.77		C			1							S
86792	7.978	0.015	6.846	0.010		0.974	0.014	T	0.96	0.01	L	6.9019	0.0012	0.007	57		6.89	6.92		C			1							S
86793	9.775	0.020	8.714	0.014		0.920	0.018	T	0.92	0.01	L	8.7538	0.0019	0.017	112		8.73	8.79					1							
86794	10.065	0.016	8.323	0.007		1.445	0.005	G	1.44	0.01	H	8.3081	0.0012	0.017	286		8.27	8.34					1							
86795	8.944	0.013	8.428	0.013		0.505	0.015	G	0.58	0.02	H	8.4803	0.0013	0.012	96		8.45	8.50		C			1							S
86796	5.984	0.003	5.198	0.002		0.694	0.015	G	0.71	0.02	A	5.2585	0.0004	0.005	140		5.25	5.27		C			1							S
86797	8.621	0.012	8.114	0.012		0.476	0.015	T	0.55	0.02	L	8.1713	0.0011	0.009	65		8.15	8.19		D			1							S
86798	10.230	0.031	9.653	0.028		0.539	0.037	T	0.61	0.04	L	9.7565	0.0026	0.022	94		9.72	9.79		C			1							
86799	7.867	0.012	7.861	0.018		0.033	0.015	G	0.05	0.01	H	7.8722	0.0018	0.012	57		7.85	7.89		C			1							S
86800	9.665	0.033	9.163	0.033		0.483	0.036	T	0.55	0.04	L	9.2707	0.0024	0.016	65		9.24	9.30					1							

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Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg	mas	mas/yr		mas		mas	mas/yr												%	
1 2	3	4	5 6 7		8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
86801	17 44 14.50	−41 16 14.8	9.47	H	266.060 407 24	−41.270 786 47	2.67	−4.91	−19.92	1.55	1.29	1.66	2.20	1.52	− 3	− 7	− 6	+41	− 3	+ 3	− 6	+60	− 7	+26	0	1.46
86802	17 44 15.15	−34 46 16.5	7.94	H	266.063 136 01	−34.771 255 59	2.93	1.39	−4.94	1.20	0.85	1.40	1.35	0.80	+ 1	−43	−43	+29	−37	− 1	−23	+55	−18	−27	0	0.22
86803	17 44 15.15	−27 45 48.0	9.45	G	266.063 144 44	−27.763 335 00	7.57	−18.21	−43.93	1.39	0.91	1.60	1.90	1.23	− 8	−37	−34	+ 5	−20	+14	− 9	+21	−12	−49	0	−1.71
86804	17 44 15.35	+71 11 50.4	9.89	H	266.063 977 81	+71.197 334 49	19.29	−85.47	182.30	0.94	0.79	1.02	1.14	1.16	+21	− 1	+ 0	+20	− 2	+ 7	− 1	−38	−10	+20	0	−0.87
86805	17 44 15.74	+05 42 51.6	8.28	G	266.065 568 21	+05.714 324 03	2.21	−0.98	−7.22	0.78	0.57	1.01	0.85	0.59	− 9	−25	+ 3	+13	+33	+ 2	+35	+36	−29	−15	0	0.10
86806	17 44 16.39	+51 47 13.0	8.40	H	266.068 273 88	+51.786 952 19	7.29	5.24	−32.87	0.65	0.62	0.65	0.74	0.79	+ 8	− 8	− 7	+39	+12	− 2	+12	+ 5	+ 1	+ 4	0	−2.18
86807	17 44 16.79	−17 26 12.6	7.26	H	266.069 976 62	−17.436 824 78	4.41	−6.83	−3.22	1.21	0.84	1.32	1.83	1.30	−36	−17	−10	−38	+31	−35	+30	−42	+ 4	−70	7	1.49
86808	17 44 17.07	+33 13 34.1	6.98	H	266.071 112 21	+33.226 131 85	1.96	−7.26	−4.00	0.44	0.46	0.60	0.48	0.51	+ 4	−14	−16	+11	+13	−24	+10	+18	− 9	+ 8	0	1.27
86809	17 44 17.25	+14 24 36.1	6.18	2 H	266.071 869 46	+14.410 031 19	6.93	−3.69	14.62	0.61	0.49	0.74	0.61	0.52	− 1	+ 4	−17	+13	+33	+14	+38	+21	− 4	+10	0	0.51
86810	17 44 17.56	−40 06 38.0	8.53	H	266.073 162 37	−40.110 554 38	1.13	3.49	−5.42	1.13	0.92	1.35	1.60	1.11	+ 0	− 1	−19	+24	+ 5	− 9	+ 3	+45	+26	− 8	0	−0.30
86811	17 44 17.77	−23 40 44.2	7.33	G	266.074 042 30	−23.678 956 03	8.15	36.79	−14.93	0.96	0.65	1.07	1.23	0.85	− 7	−34	−26	+19	−20	− 8	−16	+29	− 3	−53	0	1.07
86812	17 44 17.97	+78 33 29.0	9.62	H	266.074 871 29	+78.558 069 43	0.99	−1.44	14.22	0.78	0.76	0.79	0.84	0.95	+12	− 8	−13	−28	+ 5	− 3	+ 6	−11	− 2	+10	0	0.38
86813	17 44 18.37	+13 47 02.1	6.91	H	266.076 555 00	+13.783 921 61	5.62	−1.23	19.87	0.67	0.53	0.79	0.71	0.59	+ 6	−16	− 4	+11	+34	+11	+36	+30	−10	+ 9	0	0.88
86814	17 44 19.68	−16 51 52.8	7.49	G	266.081 988 14	−16.864 679 44	17.89	−6.49	−45.05	1.03	0.71	1.16	1.29	0.97	−19	−34	+11	− 2	−21	−15	−12	− 9	−19	−41	0	1.38
86815 H	17 44 19.80	−72 13 16.3	6.51	H	266.082 483 40	−72.221 189 31	A 22.67	−8.81	109.43	1.22	1.51	1.34	1.04	1.22	−11	− 2	− 5	−26	−18	− 4	−13	+ 5	+ 3	+ 1	2	−0.11
86816	17 44 21.81	+16 00 23.1	8.94	H	266.090 884 63	+16.006 410 91	7.86	1.40	1.96	0.79	0.77	1.31	0.87	0.84	+21	−35	−11	+24	+39	+ 0	+40	+12	−26	+ 3	0	0.98
86817	17 44 22.05	+40 26 51.1	7.92	H	266.091 861 90	+40.447 534 25	3.52	3.85	−48.86	0.56	0.64	0.71	0.59	0.78	+ 3	− 3	− 6	+15	+ 1	− 4	+ 1	− 5	−17	+ 3	0	−0.81
86818	17 44 22.79	−12 01 08.4	9.94	G	266.094 964 88	−12.019 002 13	7.28	−0.58	−27.27	1.58	1.01	1.90	1.53	0.97	+14	−35	−36	−17	+28	−16	+10	−54	+26	− 7	0	1.30
86819	17 44 23.96	−22 11 41.7	6.58	H	266.099 852 37	−22.194 905 06	13.01	16.13	−0.06	1.06	0.67	0.96	1.13	0.76	−51	−45	+17	+34	−42	− 4	−43	+39	+12	−35	0	−1.23
86820 H	17 44 24.09	+02 58 02.4	8.42	H	266.100 389 59	+02.967 326 13	A 1.91	−4.83	−3.11	2.22	1.61	2.20	2.03	1.54	+36	−37	−12	−18	− 8	− 6	+ 2	−34	− 6	+40	2	1.44
86821	17 44 25.52	+08 11 44.1	8.79	H	266.106 314 46	+08.195 579 64	8.60	−55.90	−40.03	0.91	0.68	1.17	0.98	0.72	+ 5	−16	−18	+22	+35	+10	+38	+37	−37	+ 4	2	2.14
86822	17 44 26.26	−17 08 44.6	8.18	H	266.109 421 43	−17.145 720 07	8.05	14.77	−16.73	1.20	0.89	1.33	1.73	1.31	−26	−11	+13	−31	+11	−29	+16	−35	− 9	−60	0	1.82
86823	17 44 26.79	+60 34 25.9	8.58	H	266.111 606 09	+60.573 860 94	2.41	−0.04	−41.66	0.72	0.70	0.75	0.84	0.86	+13	+ 1	− 4	+13	+22	− 4	+23	+ 8	+24	+33	0	−0.46
86824	17 44 27.94	+31 39 40.7	8.23	H	266.116 422 73	+31.661 310 04	13.45	3.59	59.25	0.63	0.62	0.82	0.74	0.72	+ 9	−21	+ 1	+ 0	+ 8	+ 1	+10	+24	− 9	+ 7	0	−1.75
86825	17 44 30.36	+31 02 59.8	8.60	H	266.126 503 84	+31.049 955 85	3.68	−11.25	−14.51	0.66	0.71	0.92	0.68	0.78	+23	−27	−21	+25	+17	−27	+16	+23	−11	+14	0	−1.28
86826	17 44 30.75	−54 53 21.5	8.79	H	266.128 125 25	−54.889 296 99	5.10	−11.40	−31.28	0.93	0.77	1.16	1.11	0.81	−35	−21	+ 3	−23	+16	− 2	+14	−48	+ 4	−42	0	1.87
86827	17 44 30.88	−56 49 21.6	9.02	H	266.128 660 73	−56.822 678 68	2.48	−19.74	−43.64	0.95	0.83	1.30	1.06	0.79	−18	−28	+28	−15	+ 9	+ 6	+22	−59	−12	+18	0	1.40
86828 H	17 44 32.15	+18 59 32.0	8.51	H	266.133 949 95	+18.992 208 36	A 0.82	−2.90	−4.39	1.54	1.50	1.91	1.59	1.66	− 1	−16	−19	+24	+13	+ 1	+11	+ 9	−12	−38	0	0.57
86829	17 44 32.23	−47 26 26.4	8.69	H	266.134 271 25	−47.440 666 67	3.66	6.54	−15.47	1.33	0.99	1.56	1.40	0.99	+17	−33	−41	+51	− 5	− 2	+ 0	+48	−19	− 1	0	0.41
86830	17 44 33.09	+67 17 44.4	9.67	G	266.137 855 57	+67.295 659 10	7.14	−140.72	−221.27	0.87	0.95	0.94	1.02	1.22	+ 8	−22	− 4	− 8	+ 1	− 2	+ 5	−27	−12	+13	0	−0.72
86831	17 44 34.09	+02 34 45.9	6.16	G	266.142 035 43	+02.579 407 51	A 7.09	7.21	13.64	3.04	2.30	2.74	2.62	2.16	+33	−44	−41	−27	−11	− 8	−22	−41	+20	+10	18	1.40
86832	17 44 34.68	−10 20 10.7	8.12	H	266.144 482 25	−10.336 299 25	8.05	12.16	−9.31	0.96	0.58	1.10	1.23	0.66	− 6	−30	−17	+ 0	+12	−18	+ 6	−25	+ 8	− 9	0	−0.31
86833	17 44 34.78	−07 24 29.2	8.01	H	266.144 901 39	−07.408 101 29	10.68	−62.03	−31.65	1.05	0.62	1.11	1.16	0.69	+10	−42	−24	+30	+ 2	+11	+ 7	+ 8	−10	− 5	0	0.99
86834	17 44 35.33	−59 31 01.5	8.07	G	266.147 196 58	−59.517 095 36	3.50	32.84	−74.18	0.81	0.66	1.05	0.82	0.62	− 9	−31	− 6	−27	− 4	+18	− 4	−41	+ 6	− 8	0	1.22
86835	17 44 35.47	+02 34 44.7	6.67	H	266.147 773 30	+02.579 096 50	B 6.01	5.15	12.83	17.07	10.83	5.76	5.32	4.35	+28	−48	−30	−16	−13	− 8	−18	−26	+10	+11	18	1.40
86836	17 44 36.60	−86 29 10.5	11.07	3 H	266.152 507 14	−86.486 244 87	* −1.18	3.38	−15.96	2.04	2.34	3.04	2.56	3.71	+ 0	+ 5	+ 3	−15	− 8	+ 1	− 7	+ 8	+ 2	−17	3	1.95
86837	17 44 37.08	−17 28 22.3	9.60	H	266.154 481 04	−17.472 867 81	4.39	−0.62	−13.28	1.93	1.39	2.15	2.74	1.89	−28	−13	− 1	−40	+31	−41	+31	−55	+ 0	−54	0	1.28
86838	17 44 37.09	−08 46 28.7	9.51	H	266.154 546 88	−08.774 641 42	3.55	−0.30	−3.92	1.51	1.01	1.76	1.64	1.11	+10	−35	−19	− 1	+ 6	−21	− 8	−30	+18	−19	0	1.14
86839	17 44 37.27	+45 11 40.8	9.83	G	266.155 284 92	+45.194 663 50	3.06	7.94	3.91	0.93	0.93	1.09	1.13	1.22	+ 7	−10	−18	+ 6	+ 3	−19	− 2	− 5	−15	−11	4	0.33
86840	17 44 37.63	+29 33 36.2	9.31	H	266.156 783 55	+29.560 064 05	7.77	−52.59	−54.91	0.71	0.88	1.09	0.84	1.07	+ 9	− 9	− 8	− 2	+ 1	−20	+ 1	+ 0	− 9	+ 9	0	0.40
86841	17 44 38.01	+49 13 54.6	8.53	H	266.158 369 78	+49.231 825 36	2.26	−36.53	−23.37	0.71	0.75	0.80	0.85	0.96	+14	−20	−15	+ 2	+ 3	− 7	+ 2	−11	+ 6	+20	0	−1.12
86842	17 44 39.34	+48 31 47.7	9.26	H	266.163 897 23	+48.529 919 61	−1.25	−31.83	−28.31	0.86	0.88	0.94	1.07	1.14	+19	−24	−15	+15	+ 7	−10	+ 9	−18	− 1	+23	0	−0.13
86843	17 44 39.45	−52 19 51.3	8.98	G	266.164 384 70	−52.330 906 33	2.29	3.59	−21.46	1.09	0.75	1.34	1.42	0.85	−40	−13	+15	+37	−40	+28	−39	+ 7	− 9	−32	0	0.13
86844	17 44 40.20	−44 14 44.7	9.85	H	266.167 494 24	−44.245 762 07	4.05	9.47	−35.28	1.92	1.45	1.94	2.25	1.52	−14	−17	−13	+35	−46	− 6	−36	+50	−21	−30	0	1.92
86845	17 44 41.80	−01 44 24.6	8.03	H	266.174 185 25	−01.740 155 66	2.68	14.41	−4.45	1.03	0.79	1.16	1.33	0.94	+25	−19	+ 9	−12	−21	−20	−15	−42	−22	+25	0	0.35
86846	17 44 42.00	+35 06 22.5	9.23	2 H	266.174 992 87	+35.106 248 00	0.00	−3.34	7.78	0.79	0.85	1.02	0.83	0.99	+10	−17	−10	+14	+12	−12	+14	+27	−12	+ 9	0	−0.97
86847	17 44 42.01	−42 43 45.5	5.87	H	266.175 024 11	−42.729 300 09	12.12	5.18	−0.97	0.84	0.59	0.95	1.11	0.70	+ 1	−27	−17	+12	−10	− 4	−11	+39	+ 5	− 2	3	−1.25
86848	17 44 42.97	+09 30 52.8	8.77	H	266.179 039 84	+09.514 658 13	3.77	12.45	−39.62	0.86	0.65	1.06	0.91	0.69	−19	−22	− 8	+ 5	+30	+ 0	+32	+11	−27	−17	0	−0.42
86849	17 44 43.42	−45 44 40.0	8.34	H	266.180 897 30	−45.744 437 09	4.10	−6.97	−20.64	1.05	0.80	1.12	1.32	0.93	−10	−21	− 6	+42	− 5	+11	− 6	+50	+ 4	+ 0	0	0.01
86850	17 44 43.83	−46 02 33.3	6.71	H	266.182 628 78	−46.042 589 21	3.41	7.65	−8.62	0.79	0.62	0.83	1.05	0.74	+ 1	−10	−10	+43	+ 1	+11	+ 2	+49	+ 3	+ 9	0	1.96
86851	17 44 44.21	+25 00 19.0	8.57	H	266.184 202 13	+25.005 276 68	1.61	−13.49	−12.66	0.58	0.72	1.02	0.78	0.96	+ 9	− 5	+ 1	+ 3	+ 9	+ 2	+ 7	+23	+ 8	+17	0	−1.34
86852	17 44 44.26	+02 26 50.2	8.46	G	266.184 427 64	+02.447 264 26	10.49	6.89	15.91	1.13	0.81	1.27	1.31	0.90	+38	−42	−37	− 4	−12	+11	−15	−30	+21	+34	4	0.13
*86853	17 44 45.32	−39 50 54.1	8.60	H	266.188 854 04	−39.848 348 77	9.49	−9.04	−31.10	1.20	0.97	1.25	1.77	1.17	−11	− 1	− 9	+47	−12	+ 6	−11	+62	+17	− 8	0	−0.83
*86854	17 44 45.30	−55 41 04.6	8.88	H	266.188 757 93	−55.684 609 53	0.59	−15.13	−37.06	1.05	0.87	1.43	1.18	0.83	− 6	−29	+ 7	−21	−13	+12	− 5	+57	+ 0	+12	0	−0.09
86855	17 44 45.83	+60 18 46.2	8.35	H	266.190 948 70	+60.312 833 83	11.45	−9.79	102.77	0.63	0.70	0.70	0.70	0.80	+20	−20	− 8	− 1	+16	+ 9	+11	+ 2	+22	+33	0	−0.16
86856	17 44 45.91	+44 25 38.2	9.42	H	266.191 283 50	+44.427 290 78	6.41	−12.84	0.88	0.80	0.82	0.91	0.85	1.02	+ 5	+ 8	− 6	−18	+ 1	−14	+ 0	− 9	− 1	+ 1	0	1.59
86857	17 44 46.42	−46 45 33.3	10.32	H	266.193 399 12	−46.759 258 09	6.64	14.06	−16.66	2.49	1.86	2.76	3.16	2.00	− 3	− 9	−34	+58	− 7	+ 7	− 2	+57	−20	+ 0	0	0.95
86858 H	17 44 48.70	−26 35 19.8	8.80	H	266.202 924 62	−26.588 835 95	A 10.21	−14.26	−42.76	1.55	1.09	1.55	1.91	1.27	− 6	−22	−21	+ 5	− 9	−26	−23	+ 4	+22	−28	1	−0.93
86859	17 44 49.77	+35 13 03.5	6.62	H	266.207 378 73	+35.217 637 38	7.68	−27.26	15.64	0.46	0.48	0.60	0.50	0.54	+ 1	−12	−11	+ 4	+12	−17	+12	+13	−12	+ 7	0	−1.87
86860	17 44 50.30	−51 23 11.2	8.83	H	266.209 578 12	−51.386 436 11	1.18	−16.40	−10.74	1.17	0.81	1.29	1.71	0.93	−40	−23	+ 2	+15	−52	+26	−46	+10	− 3	−43	0	0.06
*86861 H	17 44 50.82	+31 07 54.6	7.69	H	266.211 764 59	+31.131 822 16	A 9.88	−26.57	10.74	0.92	1.03	1.14	0.88	1.00	+14	+ 0	− 1	+17	+12	−18	+13	+ 0	− 5	+13	1	1.75
*86862	17 44 50.69	−00 08 04.6	8.47	H	266.211 228 34	−00.134 614 55	1.54	−5.50	1.10	1.14	0.70	1.21	1.24	0.80	+ 7	−48	−22	+30	+ 3	+ 0	+ 6	− 3	+ 4	+14	0	0.63
86863	17 44 51.91	+38 19 24.8	7.89	H	266.216 291 61	+38.323 546 96	4.54	−1.22	11.02	0.57	0.55	0.68	0.63	0.64	+ 4	+ 1	− 5	+ 5	+ 2	−20	+ 1	+ 7	−12	− 1	0	0.27
86864	17 44 52.21	−02 57 40.8	9.13	H	266.217 535 00	−02.961 336 48	3.94	8.09	−1.17	1.35	0.97	1.46	1.65	1.22	+16	−45	− 3	− 4	− 5	+14	− 6	−40	+12	+28	3	0.69
86865 H	17 44 52.83	+37 52 08.2	8.84	H	266.220 106 00	+37.868 936 26	A 3.72	−3.75	6.50	1.00	0.93	1.06	0.99	0.97	+ 1	−18	+14	+39	+ 3	−15	+12	− 4	−28	+ 3	0	0.15
86866	17 44 54.53	−24 41 02.4	8.84	H	266.227 203 08	−24.683 992 59	8.77	51.43	−9.00	1.27	0.85	1.44	1.58	1.11	+ 0	−45	−36	+22	−30	− 9	−30	+25	+ 1	−64	3	1.37
86867	17 44 55.12	−77 21 12.6	8.01	H	266.229 662 15	−77.353 500 46	6.21	10.09	−16.96	0.52	0.65	0.81	0.53	0.73	+ 3	− 8	− 8	−17	− 2	− 8	− 4	+21	− 2	+ 5	2	−0.27
86868	17 44 55.37	+16 41 09.0	8.59	H	266.230 721 92	+16.685 838 44	14.57	−21.33	71.06	0.79	0.77	1.23	0.87	0.84	+32	−27	−34	+19	+31	+ 9	+39	+29	−17	+ 3	0	0.20
86869	17 44 55.47	+50 02 39.6	7.02	2 H	266.231 129 91	+50.044 330 21	−1.01	−2.32	−11.95	0.64	0.62	0.68	0.83	0.81	+12	− 4	− 1	+18	+10	+16	+16	−14	+20	+34	1	1.27
86870	17 44 55.77	+59 50 57.3	8.62	H	266.232 376 48	+59.849 238 69	0.92	14.95	0.40	0.68	0.83	0.80	0.79	0.97	− 1	− 7	+ 3	−11	+11	+20	+ 7	+ 5	+16	+18	3	−0.57
86871	17 44 55.84	−57 32 43.8	5.97	H	266.232 683 00	−57.545 510 15	8.03	18.09	−12.25	0.67	0.53	0.78	0.79	0.52	−12	+ 1	+ 7	−39	+ 5	−21	+ 9	−61	− 4	+ 3	0	2.83
86872	17 44 55.94	+49 07 10.2	8.82	H	266.233 077 43	+49.119 513 81	1.69	−7.32	3.57	0.74	0.74	0.80	0.89	0.98	+17	−17	− 7	− 4	− 5	− 7	− 3	−19	− 5	+24	0	1.05
*86873 H	17 44 56.48	−18 39 26.3	8.49	2 H	266.235 315 88	−18.657 306 99	A −0.58	5.80	−3.78	3.01	2.25	2.96	3.34	2.47	+18	−13	−29	−16	+ 6	−20	+ 1	−25	+ 1	+ 5	4	3.63
*86874	17 44 56.23	+82 52 32.3	9.40	H	266.234 301 22	+82.875 649 45	6.75	17.85	29.51	0.82	0.75	0.87	0.87	0.93	− 1	−29	+ 0	+18	+ 7	− 7	+13	+20	−23	+ 3	1	−0.07
86875 H	17 44 59.25	−16 45 46.5	8.01	H	266.246 861 76	−16.762 925 90	* 5.07	−0.74	7.07	2.19	1.58	1.51	1.71	1.22	−15	−46	+ 7	− 3	+ 1	−21	+11	−22	−19	−19	1	−0.40
86876	17 44 59.38	+70 26 54.8	8.97	H	266.247 396 05	+70.448 547 91	9.98	−1.51	−44.17	0.73	0.70	0.80	0.80	0.93	+12	−20	−12	− 5	+ 3	−12	+ 6	−39	− 7	+15	1	−0.64
86877	17 45 00.43	+13 01 29.0	7.62	H	266.251 797 62	+13.024 710 16	12.72	−3.28	22.98	0.72	0.62	0.88	0.68	0.63	+ 4	−14	− 1	+15	+46	+10	+47	+34	−11	+13	2	−0.01
86878	17 45 00.90	−67 07 47.3	8.49	H	266.253 750 89	−67.129 817 99	11.45	17.91	−60.51	0.55	0.68	1.13	0.71	0.72	+24	− 7	−22	+11	−22	+ 1	−18	+ 9	− 5	+19	0	−1.21
86879	17 45 01.68	+37 40 46.9	9.99	H	266.257 003 72	+37.679 694 75	−1.28	−3.65	−8.55	0.89	0.94	1.08	0.97	1.11	+14	− 7	+ 0	+ 9	+ 3	− 7	+ 4	+ 5	− 3	+11	3	1.18
86880	17 45 02.11	−35 31 53.8	7.05	H	266.258 792 73	−35.531 623 15	5.52	1.60	−33.47	1.04	0.77	0.99	1.25	0.82	+21	−27	−19	+58	+16	− 1	+17	+72	− 5	+18	0	−0.60
86881	17 45 02.68	−72 47 25.8	7.76	H	266.261 176 45	−72.790 509 20	2.02	10.81	−9.21	0.46	0.59	0.82	0.51	0.70	−12	−14	+ 5	+12	−16	−21	−16	+ 8	+ 2	− 9	1	0.85
86882	17 45 02.83	+19 17 25.2	8.14	1 H	266.261 795 95	+19.290 340 48	21.63	156.82	50.10	0.67	0.72	1.05	0.76	0.80	− 2	−25	− 6	+25	+26	− 5	+18	+ 0	+14	−14	0	0.36
86883	17 45 06.93	−30 10 59.3	9.07	H	266.278 865 78	−30.183 148 87	1.70	−1.92	1.69	1.45	0.97	1.57	1.92	1.18	−12	−39	−29	+25	−37	+ 6	−23	+47	−19	−32	0	0.00
86884	17 45 07.71	−09 48 54.4	8.25	2 H	266.282 105 04	−09.815 100 51	2.82	−0.12	−8.74	1.08	0.65	1.24	1.34	0.74	+19	−42	−34	+28	+21	−24	+ 3	−10	+18	− 2	0	0.08
86885	17 45 08.27	+42 35 16.7	8.36	H	266.284 448 49	+42.587 961 59	3.14	6.90	−13.07	0.62	0.62	0.70	0.65	0.66	+15	− 4	− 1	+13	+ 5	− 4	+ 6	− 9	− 4	+18	3	0.94
86886	17 45 09.34	+38 59 26.9	8.19	H	266.288 897 79	+38.990 812 49	3.05	3.87	−45.93	0.66	0.59	0.77	0.78	0.71	− 7	− 6	− 8	− 3	+12	−27	+12	− 9	−12	+ 3	0	−0.93
86887	17 45 09.36	−33 49 26.1	8.96	H	266.289 004 30	−33.823 927 19	0.18	−3.46	−4.37	1.45	0.92	1.53	1.86	1.01	+16	−38	− 9	+40	+ 7	−14	+ 8	+61	−12	+39	0	−1.67
86888 H	17 45 09.83	−74 58 48.9	8.97	H	266.290 954 02	−74.980 241 55	A 6.01	−16.18	27.77	1.07	1.38	1.51	1.17	1.50	+ 0	−10	− 9	− 8	− 1	+ 3	− 1	−32	+ 0	+ 0	1	−0.28
86889	17 45 13.47	−37 20 42.2	8.76	H	266.306 106 32	−37.345 053 60	3.32	1.65	−16.59	1.26	0.89	1.47	1.57	0.92	− 3	−33	−34	+19	−41	+32	−22	+53	−16	−26	0	0.14
86890	17 45 13.59	−02 45 43.7	7.40	H	266.306 626 44	−02.762 143 56	4.92	9.93	−11.24	0.87	0.61	0.94	1.06	0.70	+ 2	−35	− 6	− 4	− 2	+11	+ 3	−40	− 4	+ 7	2	1.19
86891	17 45 15.59	+06 53 59.2	8.76	H	266.314 956 79	+06.899 778 73	3.06	−5.44	−6.46	0.87	0.69	1.20	0.95	0.72	−19	−32	+ 8	+ 8	+30	+ 0	+30	+35	−30	− 8	0	−0.40
86892	17 45 16.26	−33 18 42.7	9.47	G	266.317 758 49	−33.311 863 15	6.38	−9.55	−10.13	1.43	0.92	1.51	1.78	0.93	+16	−28	−19	+30	−11	+ 0	− 4	+63	−15	+25	0	−0.33
86893	17 45 17.07	+00 49 23.2	9.30	H	266.321 137 07	+00.823 113 77	−2.12	−5.88	7.87	1.46	1.11	1.59	1.88	1.21	+41	−25	−36	−29	−27	+ 4	−28	+43	+15	+46	0	0.04
86894	17 45 17.67	−45 38 13.3	7.72	H	266.323 618 91	−45.637 014 22	1.37	−3.88	−2.09	0.90	0.68	0.99	1.14	0.80	+ 9	−27	−19	+37	+ 1	+ 7	+ 0	+47	+11	+ 4	0	1.39
86895	17 45 18.82	−78 31 54.5	12.59	H	266.328 408 02	−78.531 800 35	A 11.37	2.45	−0.92	6.11	6.89	6.58	6.81	7.32	+ 0	−18	+ 9	+11	− 5	+ 1	− 9	+ 7	+ 7	−14	0	−1.23
86896	17 45 19.59	−78 32 08.9	13.39	H	266.331 616 11	−78.535 814 75	B 13.05	17.64	−13.58	50.77	57.45	26.44	27.43	29.58	+ 1	−18	+ 4	+ 0	− 3	− 1	− 6	− 6	+ 2	−24	0	−1.23
86897	17 45 19.64	−04 57 30.5	11.91	G	266.331 835 39	−04.958 480 46	−3.32	3.79	6.60	3.63	2.74	4.27	4.93	3.02	+28	+ 2	−33	−33	+ 5	−40	−13	−52	+22	− 4	14	2.90
86898	17 45 20.81	−28 25 22.4	9.29	G	266.336 689 92	−28.422 901 54	0.21	−0.54	0.47	1.55	1.01	1.70	2.10	1.

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
86801	10.160	0.041	9.476	0.037		0.632	0.046	T	0.70	0.04	L	9.5996	0.0037	0.027	59		9.55	9.65					1						G
86802	8.939	0.017	8.087	0.014		0.748	0.017	T	0.79	0.01	L	8.0778	0.0012	0.010	75		8.06	8.09		C			1						S
86803	10.446	0.050	9.565	0.037		0.744	0.015	G	0.79	0.01	H	9.6112	0.0022	0.015	55		9.59	9.64		D			1						G
86804	11.163	0.061	9.962	0.034		1.028	0.054	T	1.00	0.04	L	10.0619	0.0034	0.022	92		10.01	10.09		C			1						
86805	8.323	0.008	8.309	0.010		0.048	0.008	G	0.06	0.01	H	8.3114	0.0015	0.015	137		8.29	8.33		C			1						
86806	8.767	0.011	8.431	0.012		0.328	0.013	G	0.38	0.02	H	8.4755	0.0014	0.012	115		8.45	8.50		C			1						S
86807	8.692	0.018	7.403	0.011		1.096	0.016	T	1.06	0.02	L	7.4337	0.0031	0.011	39		7.42	7.45					1						S
86808	6.841	0.004	6.965	0.004		−0.108	0.005	T	−0.09	0.01	L	6.9510	0.0008	0.008	158		6.94	6.96					1						S
86809	6.458	0.005	6.225	0.005		0.211	0.006	G	0.26	0.03	C	6.2540	0.0015	0.011	98		6.24	6.34		P 1 A	17443+1425	I 1	1						S
86810	10.789	0.065	8.867	0.024		1.595	0.055	T	1.61	0.06	L	8.6898	0.0021	0.014	55		8.67	8.71		C			1	S					
86811	7.707	0.013	7.339	0.013		0.353	0.015	G	0.41	0.02	H	7.4046	0.0022	0.010	53		7.39	7.42					1						S
86812	9.616	0.018	9.647	0.025		−0.024	0.028	T	0.00	0.03	L	9.6242	0.0024	0.021	114		9.60	9.66		C			1	S					
86813	7.237	0.006	6.943	0.005		0.280	0.007	T	0.32	0.01	L	6.9871	0.0012	0.009	95		6.97	7.00					1						S
86814	8.067	0.016	7.545	0.015		0.536	0.015	G	0.61	0.02	H	7.6065	0.0016	0.009	44		7.59	7.63					1						S
86815	7.067	0.003	6.566	0.004	*	0.472	0.006	G	0.54	0.01	H	*	6.6101	0.0008	0.009	203	*	6.60	6.62		D	17443−7213	I 1	2 C	A	AB	171	0.393	0.002	0.16	0.01	S
86816	9.424	0.014	8.983	0.014		0.416	0.018	T	0.48	0.02	L	9.0393	0.0016	0.019	142		9.01	9.08		D			1	S					
86817	9.861	0.019	8.099	0.009		1.469	0.017	T	1.48	0.03	L	8.0537	0.0014	0.015	128		8.02	8.08			17444+4027	I 1	1						S
86818	10.646	0.049	10.039	0.045		0.582	0.020	G	0.65	0.02	H	10.0810	0.0025	0.020	85		10.03	10.12					1						G
86819	6.946	0.006	6.613	0.006		0.330	0.003	G	0.38	0.00	H	6.6621	0.0012	0.007	62		6.65	6.67		C			1 G						S
86820	9.826	0.034	8.502	0.019	*	1.220	0.015	G	1.18	0.01	H	*	8.5480	0.0035	0.021	57	*	8.53	8.60		D	17444+0258	I 1	2 C	A	AB	302	7.755	0.017	2.03	0.07	
86821	9.342	0.018	8.843	0.018		0.469	0.023	T	0.54	0.02	L	8.8945	0.0020	0.014	91		8.87	8.92		C			1						
86822	8.611	0.017	8.221	0.017		0.369	0.022	T	0.43	0.02	L	8.2697	0.0028	0.013	45		8.25	8.30					1						S
86823	10.028	0.028	8.708	0.016		1.121	0.025	T	1.08	0.03	L	8.7521	0.0018	0.016	101		8.72	8.78		C			1						
86824	8.837	0.010	8.283	0.010		0.518	0.015	G	0.59	0.02	H	8.3384	0.0018	0.018	134		8.30	8.37					1						S
86825	10.170	0.022	8.710	0.012		1.230	0.020	T	1.19	0.02	L	8.7618	0.0016	0.018	159		8.73	8.79		C			1						
86826	10.165	0.023	8.929	0.014		1.055	0.021	T	1.02	0.02	L	8.9578	0.0020	0.021	129		8.93	8.99					1						
86827	10.547	0.033	9.146	0.017		1.184	0.029	T	1.14	0.03	L	9.1832	0.0017	0.018	133		9.15	9.21		C			1						
86828	8.627	0.010	8.589	0.012	*	0.040	0.015	T	0.06	0.01	L	*	8.5255	0.0019	0.018	108	*	8.49	8.56		D	17445+1900	I 1	2 C	A	AB	248	1.058	0.006	1.12	0.02	S
86829	9.758	0.028	8.760	0.020		0.873	0.026	T	0.88	0.02	L	8.8428	0.0012	0.014	60		8.81	8.88			17445−4726	I 1	1						
86830	10.483	0.033	9.753	0.028		0.695	0.005	G	0.75	0.00	H	9.7941	0.0019	0.020	100		9.75	9.84					1						
86831	6.232	0.006	6.137	0.006	A	0.131	0.004	G	0.15	0.00	H	6.1625	0.0372	0.152	64	A	5.93	6.35		D	17446+0235	I 2	1 C P	A					S
86832	8.647	0.015	8.178	0.015		0.470	0.015	G	0.54	0.02	H	8.2266	0.0015	0.010	76		8.21	8.25		C			1						
86833	8.843	0.017	8.097	0.014		0.682	0.017	T	0.74	0.01	L	8.1540	0.0018	0.015	65		8.13	8.19					1						S
86834	9.353	0.016	8.213	0.011		0.978	0.005	G	0.96	0.00	H	8.2364	0.0017	0.017	115		8.21	8.26		C			1						
86835	6.565	0.008	6.497	0.011	B	0.061	0.013	T	0.07	0.01	L	6.4368	0.0403			B				D	17446+0235	I 2	1 C I	A					S
86836						1.500	0.510	G	1.53	0.76	R	11.1955	0.1354	1.093	131		9.57	12.72	346.00	P 1 A			1 V						D
86837	10.261	0.062	9.646	0.061		0.570	0.064	T	0.64	0.06	L	9.7286	0.0035	0.022	35		9.69	9.77					1						G
86838	11.861	0.110	9.760	0.028		1.738	0.091	T	1.76	0.09	L	9.6084	0.0033	0.030	81		9.56	9.66		R			1	S					
86839	10.292	0.030	9.850	0.031		0.363	0.015	G	0.42	0.02	H	9.9493	0.0030	0.023	112		9.90	10.01					1						
86840	9.954	0.021	9.343	0.019		0.569	0.025	T	0.64	0.02	L	9.4347	0.0023	0.023	145		9.39	9.48		C			1						
86841	9.939	0.023	8.675	0.014		1.077	0.021	T	1.04	0.02	L	8.6970	0.0024	0.018	104		8.66	8.72					1						
86842	10.615	0.041	9.387	0.024		1.049	0.037	T	1.02	0.03	L	9.4282	0.0027	0.024	101		9.38	9.48					1	S					
86843	9.336	0.015	8.996	0.016		0.351	0.015	G	0.41	0.02	H	9.0546	0.0026	0.021	127		9.01	9.09					1						
86844	10.414	0.049	9.851	0.048		0.527	0.061	T	0.60	0.06	L	9.9640	0.0045	0.032	70		9.89	10.02			17447−4415	I 1	1	S					G
86845	9.531	0.022	8.189	0.013		1.138	0.020	T	1.10	0.02	L	8.2007	0.0020	0.012	58		8.17	8.22		C	17447−0145	I 1	1						
86846	11.408	0.061	9.443	0.018		1.665	0.052	T	2.12	0.11	O	9.3073	0.0051	0.043	128		9.25	9.36		U 2			1						
86847	6.066	0.004	5.896	0.004		0.163	0.005	T	0.18	0.01	L	5.9240	0.0008	0.006	61		5.91	5.94		C	17447−4244	I 1	1						S
86848	10.110	0.024	8.907	0.015		1.029	0.022	T	1.00	0.02	L	8.9343	0.0022	0.015	110		8.90	8.96					1						
86849	10.118	0.036	8.425	0.016		1.414	0.031	T	1.39	0.05	L	8.4768	0.0021	0.014	65		8.45	8.50		C			1						
86850	6.697	0.006	6.707	0.007		−0.008	0.008	T	0.01	0.01	L	6.7206	0.0008	0.006	60		6.71	6.74		D			1						S
86851	10.413	0.024	8.696	0.010		1.433	0.021	T	1.42	0.03	L	8.7049	0.0021	0.022	172		8.67	8.74					1						
86852	8.977	0.016	8.492	0.015		0.468	0.015	G	0.54	0.02	H	8.5607	0.0013	0.012	65		8.54	8.58		C			1						
86853	9.017	0.020	8.653	0.021		0.367	0.015	G	0.43	0.02	H	8.6831	0.0031	0.020	60		8.65	8.71					1						
86854	10.477	0.031	9.017	0.016		1.230	0.027	T	1.19	0.03	L	9.0416	0.0018	0.020	112		9.01	9.08					1	S					
86855	8.912	0.013	8.414	0.013		0.526	0.015	G	0.60	0.02	H	8.4667	0.0012	0.014	106		8.44	8.49		C			1						S
86856	9.876	0.020	9.487	0.021		0.368	0.027	T	0.43	0.03	L	9.5014	0.0024	0.021	123		9.45	9.55		C			1						
86857	11.492	0.168	10.428	0.095		0.736	0.126	G	0.78	0.11	R	10.4612	0.0042	0.029	54		10.41	10.51		C			1						G
86858	9.334	0.026	8.931	0.027	A	0.452	0.400	G	0.57	0.06	L	*	8.9131	0.0020	0.015	59	*	8.89	8.94		C	17448−2635	I 1	2 C	A	AB	141	2.745	0.036	3.30	0.14	
86859	8.069	0.007	6.759	0.004		1.113	0.006	T	1.08	0.01	L	6.7897	0.0006	0.007	141		6.77	6.80					1						S
86860	10.763	0.035	8.996	0.015		1.472	0.030	T	1.49	0.04	L	8.9579	0.0024	0.016	117		8.93	8.99		C			1						
86861	8.204	0.011	7.682	0.011	*	0.490	0.014	T	0.56	0.01	L	*	7.7996	0.0013	0.014	155	*	7.77	7.82		D	17448+3108	I 1	2 C	A	AB	328	4.705	0.004	0.88	0.02	S
86862	8.807	0.013	8.509	0.014		0.303	0.001	G	0.40	0.02	A	8.5545	0.0025	0.016	64		8.53	8.59		C			1						
86863	7.916	0.008	7.884	0.008		0.034	0.010	T	0.05	0.01	L	7.9049	0.0011	0.013	126		7.88	7.93					1						S
86864	9.631	0.022	9.159	0.022		0.415	0.020	G	0.48	0.02	H	9.2232	0.0020	0.015	58		9.20	9.27		C			1						
86865	8.794	0.010	8.862	0.014	A	0.000	0.495	G	−0.02	0.03	L	*	8.8318	0.0016	0.017	120	*	8.80	8.86		C	17449+3752	I 1	2 C	C	AB	219	4.383	0.069	4.47	0.53	
86866	10.089	0.035	8.976	0.023		0.959	0.033	T	0.95	0.02	L	9.0068	0.0022	0.016	64		8.98	9.04					1						
86867	8.158	0.006	8.023	0.007		0.130	0.009	T	0.14	0.01	L	8.0565	0.0015	0.016	158		8.03	8.09					1						S
86868	9.267	0.014	8.639	0.012		0.584	0.016	T	0.66	0.01	L	8.7156	0.0021	0.018	112		8.68	8.74					1						S
86869	7.638	0.009	7.152	0.007		0.451	0.012	G	0.52	0.01	H	7.1189	0.0037	0.035	102		7.04	7.18		U 2			1	S					S P
86870	10.479	0.036	8.783	0.015		1.416	0.031	T	1.40	0.05	L	8.7570	0.0018	0.013	91		8.73	8.78		C			1						
86871	7.122	0.005	6.071	0.003		0.912	0.004	T	0.91	0.00	L	6.1285	0.0006	0.008	130		6.12	6.14			17449−5733	I 1	1						S
86872	10.662	0.043	8.954	0.017		1.426	0.037	T	1.41	0.06	L	8.9508	0.0019	0.017	110		8.92	8.99		C			1						
86873	11.978	0.208	8.878	0.024	A	2.700	0.450	G	2.70	0.46	J	*	8.4739	0.0073	0.089	57	*	8.34	8.58		U 2 C	17449−1839	I 1	2 C	D	AB	220	2.120	0.105	3.71	0.79	D
86874	10.570	0.035	9.547	0.024		0.891	0.032	T	0.90	0.02	L	9.5585	0.0016	0.019	109		9.53	9.59		C			1						
86875	8.607	0.015	8.094	0.014	*	0.482	0.019	T	0.55	0.02	L	*	8.1108	0.0023	0.011	57	*	8.10	8.14		D	17450−1646	I 1	2 C	A	AB	344	0.233	0.006	0.55	0.14	
86876	9.587	0.020	9.028	0.019		0.523	0.025	T	0.60	0.03	L	9.0841	0.0018	0.016	100		9.06	9.11		C			1						
86877	8.467	0.011	7.678	0.010		0.716	0.011	T	0.77	0.01	L	7.7595	0.0011	0.013	95		7.74	7.78					1						S
86878	9.031	0.008	8.541	0.008		0.473	0.009	T	0.54	0.01	L	8.5984	0.0016	0.021	226		8.57	8.64		C			1						
86879	11.964	0.132	10.120	0.041		1.565	0.114	T	1.71	0.17	K	10.0946	0.0030	0.027	123		10.05	10.13		C			1						
86880	6.985	0.007	7.036	0.009		−0.043	0.010	T	−0.02	0.01	L	7.0430	0.0008	0.007	68		7.03	7.05		D			1						S
86881	9.703	0.015	7.923	0.007		1.483	0.013	T	1.50	0.02	L	7.8874	0.0013	0.015	202		7.86	7.91					1						
86882	9.085	0.013	8.206	0.010		0.769	0.013	T	0.81	0.01	L	8.2764	0.0026	0.020	124		8.25	8.31		U			1						
86883	10.843	0.072	9.239	0.029		1.344	0.061	T	1.31	0.07	L	9.2208	0.0035	0.015	53		9.20	9.24		C			1						G
86884	8.911	0.016	8.355	0.015		0.584	0.018	G	0.66	0.02	H	8.3762	0.0031	0.023	76		8.33	8.41		U 2			1						
86885	9.655	0.018	8.455	0.011		1.027	0.016	T	1.00	0.01	L	8.5290	0.0011	0.012	120		8.50	8.55					1						
86886	9.705	0.017	8.339	0.010		1.157	0.015	T	1.12	0.01	L	8.3605	0.0012	0.012	118		8.33	8.38					1						
86887	10.755	0.053	9.081	0.022		1.399	0.045	T	1.38	0.05	L	9.1015	0.0017	0.015	82		9.08	9.13		C			1						
86888	10.226	0.033	8.960	0.018	*	1.079	0.030	T	1.04	0.03	L	*	9.1393	0.0024	0.022	156	*	9.10	9.18		D	17452−7459	I 1	2 C	A	AB	164	2.962	0.008	1.63	0.03	
86889	9.241	0.028	8.833	0.030		0.399	0.034	T	0.46	0.04	L	8.8557	0.0028	0.013	57		8.84	8.88		C			1						
86890	7.629	0.009	7.414	0.010		0.205	0.013	T	0.23	0.01	L	7.4622	0.0007	0.005	58		7.45	7.47					1						S
86891	10.377	0.030	8.879	0.015		1.260	0.026	T	1.22	0.03	L	8.9244	0.0015	0.015	123		8.90	8.95		C			1						
86892	10.029	0.027	9.530	0.029		0.512	0.020	G	0.58	0.02	H	9.5834	0.0017	0.021	96		9.55	9.63					1						G
86893	10.646	0.047	9.454	0.029		1.021	0.043	T	0.99	0.04	L	9.4692	0.0021	0.018	58		9.44	9.52		C			1						
86894	7.689	0.008	7.696	0.011		−0.002	0.012	T	0.02	0.01	L	7.7236	0.0020	0.015	70		7.70	7.75					1						S
86895											T	12.7084	0.0552	0.145	153	A	12.45	12.96		D	17453−7832	I 2	1 C P	D					D D
86896											T	13.5037	0.1102			B				D	17453−7832	I 2	1 C I	D					D
86897						1.113	0.005	G	1.19	0.01	I	12.0389	0.0070	0.058	60		11.89	12.16					1	S					D G
86898	9.612	0.028	9.309	0.034		0.320	0.015	G	0.37	0.02	H	9.3770	0.0048	0.024	50		9.33	9.41					1						G
86899						1.230	0.020	G	1.19	0.02	I	11.2057	0.0072	0.052	108		11.14	11.29					1						G
86900	12.258	0.134	10.625	0.050		1.392	0.118	T	1.77	0.21	K	10.6953	0.0037	0.036	135		10.62	10.75					1						G

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas			mas/yr												%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
86901	17 45 21.58	+30 32 59.6	8.05	H	266.339 916 41	+30.549 897 03		3.33	−6.44	8.27	0.57	0.66	0.84	0.70	0.79	+20	− 4	− 9	+26	+14	−23	+13	+ 8	− 7	+23	0	0.76
86902	17 45 23.31	+28 14 52.7	10.52	H	266.347 111 31	+28.247 973 94		5.36	−25.38	−180.73	1.02	1.28	1.63	1.32	1.63	+ 8	−14	+ 8	− 4	− 5	−18	− 1	+ 0	−13	+ 5	2	−0.34
86903	17 45 25.16	−37 29 49.0	8.56	H	266.354 832 89	−37.496 930 92		9.22	1.92	−17.33	1.17	0.84	1.25	1.38	0.88	+ 5	−29	−19	+16	−27	+12	−20	+45	+ 3	− 9	0	−0.42
86904	17 45 25.74	+39 21 43.7	8.39	H	266.357 252 98	+39.362 146 03		2.09	−0.73	8.55	0.67	0.63	0.78	0.79	0.74	− 1	−11	+ 1	+ 7	+ 2	−15	+ 5	− 5	−11	+14	0	0.32
86905	17 45 26.99	−43 36 28.1	7.90	2 H	266.362 443 06	−43.607 798 54		3.63	−14.77	0.48	0.94	0.68	1.08	1.22	0.78	−10	−25	− 7	+16	−19	−15	−16	+38	− 9	− 5	0	1.01
86906	17 45 27.24	+11 08 40.9	6.93	2 H	266.363 519 50	+11.144 684 78		9.54	33.84	6.17	0.73	0.54	0.84	0.77	0.56	− 4	−20	− 3	+ 2	+44	+ 8	+40	+35	−20	+15	0	−1.05
86907	17 45 27.87	+22 19 30.5	8.53	H	266.366 117 88	+22.325 134 27		3.63	−18.61	−33.19	0.76	0.78	1.12	0.89	0.94	−10	−12	− 5	−20	+24	− 3	+19	+11	+20	− 6	0	0.08
86908 H	17 45 28.47	+35 53 35.9	8.03	G	266.368 631 52	+35.893 304 51	A	8.23	14.12	8.42	0.86	0.86	0.97	0.93	0.85	+12	−13	+ 5	+ 0	+11	− 8	+10	+13	+ 7	+11	0	0.52
86910	17 45 29.86	+00 04 12.8	9.00	H	266.374 416 33	+00.070 212 19		9.98	59.13	−76.06	1.26	0.87	1.39	1.48	0.94	+20	−34	−33	+29	+ 8	+10	+14	− 9	+ 3	+22	0	−0.60
86911	17 45 30.00	−29 07 04.2	10.02	H	266.375 019 04	−29.117 820 17		10.73	5.44	−12.66	2.13	1.42	2.19	3.06	1.94	−28	−21	−34	+39	−46	+25	−37	+46	−19	−65	0	−0.04
86912	17 45 31.92	+13 01 10.3	7.15	H	266.383 014 56	+13.019 533 04		4.49	1.71	0.95	0.64	0.54	0.82	0.61	0.54	− 6	−22	−15	+ 5	+40	+ 4	+42	+27	−20	+ 2	2	0.61
86913	17 45 31.95	−59 40 56.4	8.43	H	266.383 109 74	−59.682 343 53		5.30	5.56	3.17	0.75	0.66	1.00	0.79	0.63	−15	−22	+ 8	−19	+ 4	+12	+ 5	−43	+ 0	− 4	0	−0.01
86914	17 45 33.22	−40 48 13.1	9.24	G	266.388 412 58	−40.803 629 28		14.60	−212.53	−202.52	1.36	1.04	1.53	1.80	1.22	+12	−27	−15	+19	− 5	− 9	−10	+46	+ 4	+25	0	−1.19
86915	17 45 33.28	−30 58 55.5	8.86	H	266.388 663 85	−30.982 083 46		8.47	−19.66	−43.44	1.23	0.82	1.26	1.47	0.88	−21	−23	−14	+38	−29	+ 9	−23	+56	−10	−31	0	0.35
86916	17 45 33.57	+46 51 19.3	10.69	H	266.389 880 16	+46.855 352 48		44.50	−30.46	4.10	1.31	1.21	1.41	1.37	1.41	−13	−34	+ 2	−10	+ 9	+ 0	+12	−19	− 8	− 2	0	−0.90
86917 H	17 45 34.25	−03 30 16.2	8.08	H	266.392 713 41	−03.504 498 50	A	3.83	12.18	0.93	1.77	1.22	1.71	1.49	1.16	+16	−36	−17	−16	− 3	−11	−13	−48	+15	+ 5	2	−0.08
∗86924	17 45 40.23	−26 39 00.1	9.80	G	266.417 641 16	−26.650 025 82		3.32	−2.59	−6.29	1.45	0.96	1.59	1.91	1.30	−12	−39	−22	+16	−19	−14	−23	+20	+14	−49	0	−1.57
∗86925	17 45 40.23	+31 30 16.9	6.22	H	266.417 631 06	+31.504 683 87		0.80	4.56	−2.27	0.41	0.44	0.57	0.44	0.48	+ 5	−24	− 4	+10	+11	−23	+11	− 1	+ 2	+14	0	0.95
86926	17 45 40.44	−20 12 16.1	8.75	H	266.418 509 35	−20.204 480 56		0.54	14.66	−23.65	1.22	0.79	1.31	1.41	0.97	− 9	−35	−15	+15	− 5	+ 8	− 3	+17	− 6	−45	0	−0.44
86927	17 45 42.78	+17 12 51.7	8.71	G	266.428 253 51	+17.214 357 81		4.26	−1.78	−1.80	0.81	0.72	1.11	1.02	0.84	+17	−31	− 6	+28	+28	− 4	+22	+21	− 1	−15	0	0.66
86928 H	17 45 43.94	−58 58 46.6	8.77	G	266.433 065 29	−58.979 619 54	A	14.36	−32.00	−41.86	2.16	1.86	2.42	2.17	1.60	−20	−32	−15	−26	− 2	+13	− 1	−47	+16	−12	3	−0.09
86929	17 45 44.00	−64 43 25.4	3.61	G	266.433 343 47	−64.723 734 50		8.79	−11.08	−56.37	0.46	0.45	0.65	0.52	0.51	− 1	−17	−19	− 5	− 7	+14	− 5	+ 2	+ 4	− 4	0	−1.28
86930	17 45 44.25	−68 38 51.5	7.32	H	266.434 369 57	−68.647 646 23		8.63	8.57	22.37	0.45	0.53	0.78	0.60	0.62	+ 8	− 6	+ 0	+11	−23	− 8	−20	+ 3	+ 5	+17	0	1.01
86931	17 45 44.88	−22 10 51.3	12.29	H	266.436 989 58	−22.180 916 02		−6.34	−0.20	1.23	7.90	5.08	8.95	10.22	6.54	− 9	−40	−17	+20	− 5	−32	−13	+ 8	+10	−38	0	1.24
86932	17 45 45.08	+47 03 29.2	9.59	H	266.437 833 91	+47.058 123 42		1.63	−15.27	−16.28	0.90	0.95	1.01	0.98	0.99	− 2	−24	+ 1	−13	+11	− 3	+12	−23	− 5	+ 4	0	1.12
86933	17 45 45.19	−53 35 20.1	9.13	H	266.438 296 13	−53.588 915 96		3.23	−6.40	−15.06	1.34	0.92	1.46	1.58	1.13	−44	−40	+ 7	+40	−34	+ 4	−35	+25	+ 9	−46	0	−0.41
86934	17 45 46.81	−45 46 30.2	10.07	H	266.445 021 34	−45.775 044 13		9.12	−99.87	−158.36	1.73	1.24	1.86	2.13	1.50	+15	−34	− 8	+38	+ 9	+10	+ 4	+52	+15	+22	3	1.25
86935	17 45 49.61	−64 19 30.9	6.93	H	266.456 694 66	−64.325 237 06		6.01	6.75	−18.49	0.50	0.50	0.73	0.54	0.56	+ 3	−16	−18	−13	+ 0	+12	+ 0	+ 1	+ 9	+ 7	0	−1.78
86936	17 45 50.73	−10 21 14.3	7.76	H	266.461 391 75	−10.353 965 47		5.78	5.94	−9.46	0.95	0.60	1.09	1.38	0.72	+ 3	−21	−22	+ 1	+17	−23	+ 8	−21	+13	− 2	2	0.29
86937	17 45 51.78	−86 17 54.3	9.71	G	266.465 768 80	−86.298 410 47		5.68	29.19	−15.32	0.85	0.95	1.11	0.93	1.21	− 5	− 7	+ 0	−15	−14	−24	−14	+14	− 7	−13	4	1.71
86938	17 45 53.32	−13 18 23.2	11.91	G	266.472 156 72	−13.306 431 78		26.89	54.38	97.69	3.38	2.36	3.79	4.32	2.57	−17	−11	−30	−22	+29	−18	+28	−59	+24	+ 8	2	−0.82
86939	17 45 53.72	+38 52 53.3	6.53	H	266.473 834 86	+38.881 465 01		8.42	2.43	−33.03	0.50	0.48	0.60	0.57	0.54	− 6	+ 8	− 6	−11	+13	−27	+11	+ 1	− 5	+ 3	0	−0.33
86940	17 45 54.20	+08 54 18.4	8.16	H	266.475 834 70	+08.905 110 77		15.36	−47.37	23.77	0.80	0.67	0.99	0.81	0.66	+12	−26	− 1	+25	+45	−10	+42	+48	−16	+25	0	1.75
86941	17 45 54.78	+21 53 17.4	8.28	H	266.478 251 97	+21.888 162 98	A	4.22	−11.79	3.61	1.99	1.99	2.21	2.33	2.15	+ 7	−25	−12	−27	+25	+ 4	+20	+ 5	+ 9	+ 7	8	1.47
86942	17 45 55.95	+21 52 58.3	9.24	H	266.483 110 81	+21.882 871 36	B	5.60	−8.29	7.10	5.45	5.62	4.56	4.62	4.16	+ 9	−17	−11	−15	+35	+ 2	+30	+ 6	+10	+ 3	8	1.47
86943	17 45 56.82	−48 56 03.5	6.83	H	266.486 737 11	−48.934 300 90		1.78	−0.18	−3.99	0.91	0.69	1.04	1.04	0.74	−30	−21	−21	+38	−39	− 5	−32	+42	−24	−38	0	2.70
86944	17 45 57.07	+05 41 40.0	7.59	H	266.487 782 42	+05.694 456 45		4.64	2.79	−8.60	0.79	0.61	1.03	0.91	0.60	− 7	−13	+13	+32	+24	+ 8	+22	+52	−19	−19	0	0.85
86945	17 45 57.94	−52 41 48.3	9.36	H	266.491 416 29	−52.696 755 76		12.41	−106.89	−75.15	1.22	0.83	1.53	1.34	0.86	−33	−35	+22	+25	−38	+14	−37	− 9	+ 2	−23	0	−0.47
86946 H	17 45 58.44	+39 19 21.0	6.51	1 H	266.493 520 06	+39.322 503 73	A	2.92	5.35	13.98	0.60	0.60	0.65	0.61	0.64	− 4	− 4	− 5	+16	+ 7	− 6	+10	− 6	− 7	+ 9	3	0.54
86947 H	17 46 00.87	−34 35 08.6	9.27	H	266.503 643 33	−34.585 710 35	∗	5.19	2.22	8.92	1.59	1.03	1.96	1.63	0.95	+25	−53	−46	+19	−18	− 4	− 4	+56	−24	+10	0	−0.27
86948	17 46 00.92	−29 04 51.1	9.01	H	266.503 837 53	−29.080 848 22		2.64	4.06	−0.14	1.78	1.27	1.91	2.87	1.89	−31	−20	−35	+30	−36	+12	−29	+40	−11	−71	0	−0.43
86949	17 46 01.58	−26 58 20.2	7.41	H	266.506 589 21	−26.972 291 01		2.23	−2.22	−3.84	0.98	0.69	1.02	1.48	0.95	−15	−18	−19	+34	− 6	− 4	− 6	+39	− 7	−20	0	1.13
86950	17 46 01.86	+32 00 43.5	11.11	H	266.507 748 87	+32.012 075 77		22.64	−208.10	22.14	1.34	1.50	1.82	1.48	1.78	+20	− 9	−12	− 4	+ 5	+ 6	+ 5	+ 3	+ 3	+22	2	0.45
86951	17 46 05.49	−36 39 32.4	8.46	H	266.522 856 90	−36.658 989 22		1.52	−6.16	−18.03	1.15	0.83	1.17	1.40	0.91	−20	−28	+ 4	+44	−12	+10	−17	+65	+12	− 4	0	−1.08
86952	17 46 06.10	+55 32 05.3	8.83	H	266.525 430 57	+55.534 797 34		13.37	−83.68	24.08	0.80	0.68	0.75	0.85	0.91	+11	+ 2	−18	+39	+14	−10	+12	+13	− 6	+ 4	0	−1.02
86953	17 46 06.26	−32 24 13.4	9.38	H	266.526 073 17	−32.403 727 73		8.20	−27.62	−32.69	1.48	0.98	1.59	1.85	1.03	+ 5	−33	−19	+33	−12	+ 0	− 9	+62	− 7	+14	0	−0.91
86954	17 46 07.33	+05 31 48.8	6.85	H	266.530 521 53	+05.530 216 92		2.42	0.36	−7.16	0.62	0.47	0.83	0.69	0.46	−13	−23	+ 8	+ 8	+36	+ 9	+35	+34	−25	−15	0	0.42
86955	17 46 08.34	+52 28 45.7	8.27	H	266.534 741 60	+52.479 354 95		4.28	5.22	−17.09	0.59	0.66	0.67	0.62	0.78	+ 1	+ 2	−23	+16	+ 9	− 3	+ 8	−11	+ 5	− 9	0	1.83
86956	17 46 08.73	−44 36 33.6	8.74	G	266.536 381 40	−44.609 327 05		5.84	15.23	−3.25	1.17	0.86	1.16	1.44	0.95	−21	−18	−11	+45	−32	+ 5	−27	+50	− 7	−21	2	0.55
86957	17 46 08.81	+67 37 42.0	8.40	1 H	266.536 688 11	+67.628 327 63		1.19	−2.83	5.84	0.73	0.74	0.74	0.84	0.91	+ 5	−17	− 1	−33	+ 6	− 6	+ 8	−33	− 7	+34	3	1.25
∗86958 H	17 46 10.51	−59 20 23.6	8.54	H	266.543 788 40	−59.339 885 87	∗	2.80	7.47	−2.66	0.92	0.75	1.20	0.97	0.72	−13	−28	− 6	−29	+ 6	+22	+ 4	−44	+14	− 3	3	−0.44
∗86959 H	17 46 10.48	+53 56 59.0	8.97	H	266.543 664 28	+53.949 725 85	A	3.80	−6.91	17.89	1.91	1.66	1.33	1.46	1.56	− 8	+ 9	− 8	− 3	+12	− 8	+12	− 2	+11	+ 6	1	0.29
86960	17 46 10.92	+05 39 29.6	7.34	H	266.545 512 98	+05.658 233 84		3.20	−0.65	−7.83	0.73	0.56	0.95	0.85	0.56	− 9	−17	+15	+29	+24	+12	+22	+50	−17	−21	0	−0.43
86961 T	17 46 12.66	−32 06 10.0	10.49	G	266.552 763 44	−32.102 773 28	B	161.77	−49.82	−319.82	89.41	68.55	11.29	92.85	47.25	−70	− 6	− 6	+ 1	+ 0	− 2	+ 0	+ 1	− 5	+ 9	19	3.86
86962	17 46 13.65	+09 16 07.3	9.27	H	266.556 854 35	+09.268 698 29		1.22	3.46	−7.49	0.94	0.76	1.11	1.07	0.79	− 8	−18	− 1	+14	+33	− 7	+31	+27	−12	− 3	0	0.38
86963	17 46 14.47	−32 06 06.0	11.39	G	266.560 282 43	−32.101 656 81	A	161.77	−77.62	−270.12	12.33	8.74	11.29	13.61	7.75	+21	−46	−49	+30	−12	−13	+ 0	+68	−32	+ 9	19	3.86
86964	17 46 15.19	−01 09 00.2	8.84	2 H	266.563 276 34	−01.150 050 18		0.00	1.55	2.02	1.08	0.78	1.17	1.24	0.91	+ 9	−29	+ 6	+ 4	− 4	− 2	− 2	−23	+ 1	+20	0	−1.09
86965	17 46 17.51	−40 43 44.8	8.55	G	266.572 969 05	−40.729 115 75		13.58	−8.89	−189.26	1.24	0.96	1.46	1.78	1.12	+14	−19	−32	+21	− 8	−18	−13	+30	+ 6	+12	3	−1.32
86966	17 46 19.72	−14 04 53.7	8.61	H	266.582 151 67	−14.081 588 17		3.92	9.19	−3.90	1.18	0.80	1.38	1.23	0.80	+26	−39	−31	+ 4	+16	−16	+ 2	−60	+21	+12	2	−0.56
86967	17 46 21.73	−33 46 17.9	9.45	G	266.590 528 74	−33.771 645 39		4.27	−6.87	−31.78	1.54	1.02	1.70	1.77	0.99	+ 7	−30	−24	+30	−24	− 6	−13	+64	−25	+ 8	0	−1.35
86968	17 46 24.80	−39 06 37.9	8.51	H	266.603 323 96	−39.110 536 47		2.42	−2.62	−7.95	1.10	0.80	1.16	1.32	0.90	+ 1	−27	+ 5	+33	− 6	+ 7	− 7	+53	+ 6	+ 6	0	−0.05
86969	17 46 24.88	+01 02 39.7	6.64	H	266.603 683 88	+01.044 349 99		1.34	−4.07	−0.10	0.81	0.55	0.92	0.82	0.62	+20	−50	−18	+ 1	− 1	+ 8	+ 0	−16	+ 9	+37	4	0.15
86970	17 46 25.35	−24 08 28.0	8.43	H	266.605 621 69	−24.141 101 06		6.11	−16.48	−23.40	1.13	0.73	1.26	1.39	0.94	− 1	−43	−24	+ 9	−19	−14	−20	+10	+ 3	−48	0	0.43
86971	17 46 25.39	−26 12 01.1	8.49	2 H	266.605 792 39	−26.200 307 93		2.41	2.78	−1.68	1.15	0.80	1.17	1.63	1.08	−38	−10	−24	+32	−40	+ 7	−35	+43	−20	−58	0	0.90
86972	17 46 26.54	−61 05 42.8	8.38	H	266.610 597 80	−61.095 218 89		9.28	28.83	−108.95	0.88	0.76	1.09	1.06	0.87	+ 9	−20	−15	−17	−22	+15	−18	−36	+ 9	+22	0	0.93
∗86973	17 46 27.75	−78 16 35.1	8.26	H	266.615 634 68	−78.276 405 76		3.29	22.00	−29.06	0.62	0.69	0.87	0.64	0.77	− 4	−25	− 3	− 5	− 6	+10	− 3	+11	− 4	−20	0	−0.98
∗86974	17 46 27.72	+27 43 21.0	3.42	H	266.615 495 53	+27.722 499 17		119.05	−291.42	−750.00	0.40	0.45	0.62	0.49	0.53	− 7	−20	−17	+ 3	+ 4	−12	+ 3	+ 3	− 2	− 7	0	−0.36
86975	17 46 27.84	+17 34 09.9	8.03	G	266.615 993 87	+17.569 424 89		15.88	−34.28	−171.50	0.80	0.67	1.01	1.00	0.75	+20	−28	−19	+43	+27	+ 0	+21	+36	− 3	− 9	0	0.49
86976	17 46 28.30	−34 53 08.0	7.51	H	266.617 896 24	−34.885 562 98		1.39	4.62	−2.30	1.05	0.72	1.29	1.07	0.66	+12	−47	−37	+26	−24	−11	−11	+61	−23	− 7	0	−0.83
86977	17 46 28.60	+06 14 08.3	7.88	G	266.619 179 16	+06.235 635 53		4.57	−3.59	−28.24	0.80	0.60	1.09	0.86	0.61	−17	−24	− 1	+ 8	+22	− 7	+27	+42	−25	−26	0	−0.38
86978	17 46 28.89	−55 48 57.8	8.24	H	266.620 360 05	−55.816 044 01		4.15	−7.55	−19.46	0.83	0.66	1.06	0.93	0.66	− 1	−25	+16	− 6	−25	− 5	−15	−42	−11	+17	0	1.36
86979	17 46 29.25	−49 36 41.3	8.09	H	266.621 870 10	−49.611 472 84		4.03	−8.71	−19.18	1.08	0.84	1.15	1.32	0.95	−10	−16	−15	+54	−10	+11	− 8	+59	− 7	− 1	0	3.12
86980	17 46 29.73	+13 35 18.0	8.31	H	266.623 887 60	+13.588 329 83		3.59	7.08	2.13	0.85	0.70	1.06	0.88	0.73	+ 4	− 9	−14	+ 9	+39	+ 6	+40	+28	−14	+ 6	4	1.00
86981	17 46 30.07	+27 14 44.7	9.74	H	266.625 281 43	+27.245 759 35		0.38	−5.50	4.53	1.04	1.19	1.65	1.32	1.53	+15	− 3	+ 0	+20	+19	−12	+19	+ 7	+ 2	+17	1	−2.66
86982	17 46 30.30	+53 34 44.4	7.60	H	266.626 270 67	+53.578 990 83		8.39	9.78	−33.32	0.59	0.58	0.62	0.65	0.63	+ 8	+ 0	−27	+28	+21	−19	+18	− 8	+ 1	+10	1	1.65
86983	17 46 30.74	−39 15 53.2	7.07	H	266.628 086 70	−39.264 787 18		4.49	5.24	−12.10	0.83	0.67	0.84	1.09	0.81	+30	−23	− 8	+46	+25	+ 2	+21	+63	+11	+33	0	0.37
86984	17 46 31.47	+16 24 43.0	10.59	H	266.631 141 41	+16.411 941 01		2.76	4.70	−8.10	1.32	1.18	1.96	1.46	1.37	+23	−22	−11	+13	+36	+11	+42	+28	−19	+ 1	0	0.53
86985	17 46 31.80	−07 59 07.1	7.35	H	266.632 508 08	−07.985 298 15		18.02	−1.54	−147.42	0.84	0.55	0.92	0.91	0.62	− 5	−38	− 5	+16	− 2	+15	− 3	+ 6	− 2	−19	0	1.36
86986	17 46 31.90	+39 19 09.1	10.21	G	266.632 902 82	+39.319 193 09		3.42	22.39	−2.60	0.88	0.91	1.07	1.05	1.09	+ 1	− 6	+ 6	+ 5	+ 8	− 6	+ 8	+ 3	− 2	+12	0	0.63
86987	17 46 32.60	−02 51 40.3	7.57	H	266.635 836 80	−02.861 199 65		4.48	−30.42	−54.06	0.94	0.68	1.03	1.23	0.80	+14	−17	− 3	+15	+20	+23	+18	−22	+14	+20	0	−0.28
86988	17 46 33.68	−14 45 26.6	8.43	H	266.640 338 58	−14.757 389 78		4.28	1.36	−7.35	1.03	0.66	1.16	1.10	0.65	+17	−23	−17	− 3	+19	−13	+12	−58	+ 9	+12	2	2.15
86989	17 46 35.30	−61 37 45.7	9.25	H	266.647 085 24	−61.629 370 99		7.39	0.27	−1.02	0.97	0.86	1.27	1.21	0.96	+ 9	−16	−14	−15	−10	+20	− 7	−35	+10	+18	0	1.24
86990	17 46 35.44	−57 18 56.7	10.75	G	266.647 661 64	−57.315 755 08		172.08	−1119.87	−1352.52	1.76	1.53	2.22	2.13	1.51	− 4	−19	+27	−35	−10	− 4	+ 3	−66	−16	+33	0	0.37
86991	17 46 35.99	−62 45 03.3	7.51	H	266.649 963 00	−62.750 908 69		28.58	−47.49	−382.36	0.58	0.52	0.83	0.74	0.58	+ 9	−17	− 3	+ 0	− 2	+18	− 4	− 9	+10	+ 2	0	−1.14
86992	17 46 36.34	−16 00 13.0	8.19	H	266.651 417 60	−16.003 599 40		16.07	22.54	−17.22	0.96	0.58	1.07	1.04	0.59	+20	−28	− 7	−17	− 1	−19	− 2	−51	− 3	+22	0	−0.99
86993	17 46 36.42	+06 07 14.3	7.76	H	266.651 760 34	+06.120 643 47		1.40	−1.42	−8.19	0.76	0.55	1.01	0.80	0.57	−23	−29	+ 2	+ 9	+23	− 5	+28	+37	−31	−26	0	0.14
86994	17 46 37.13	−52 17 42.1	9.18	H	266.654 691 02	−52.295 016 98		11.28	−20.00	−33.97	1.12	0.76	1.38	1.48	0.84	−41	−18	+ 8	+28	−31	+27	−32	−12	− 6	−45	0	0.30
86995	17 46 39.40	−01 12 51.9	9.14	H	266.664 168 09	−01.214 407 94	A	6.76	−9.18	6.54	2.32	1.88	2.24	2.43	1.87	+23	−14	+22	−27	−31	−27	−21	−64	−23	+41	7	0.75
86996 H	17 46 40.19	+14 46 44.6	8.06	H	266.667 464 66	+14.779 052 39	A	6.71	−13.97	11.54	1.86	1.65	2.56	2.19	1.70	+23	−20	− 5	+37	+37	+ 6	+33	+19	−15	−10	6	3.13
86997	17 46 40.26	−66 07 06.2	9.46	G	266.667 762 01	−66.118 399 77		11.32	15.80	−339.00	0.84	1.03	1.74	1.35	1.43	− 6	−32	−16	−33	−17	+26	−12	+ 8	−24	+13	0	1.57
86998	17 46 40.33	−21 30 40.3	9.19	G	266.668 041 17	−21.511 195 61	A	4.92	2.60	−15.65	3.72	2.49	3.02	4.13	2.89	−13	−41	−22	+14	− 9	−11	−16	+ 4	+14	−39	2	0.38
86999	17 46 40.52	+45 52 40.8	7.97	1 G	266.668 820 99	+45.877 989 91		5.84	0.62	1.44	0.59	0.56	0.67	0.74	0.64	+ 1	− 7	+ 2	+16	+ 1	−26	+ 5	+ 0	−10	+21	0	0.05
∗87000	17 46 40.75	−21 30 19.4	11.16	G	266.669 777 75	−21.505 390 34	B	27.84	−6.46	17.95	75.29	49.84	40.94	58.01	40.13	−18	−39	−13	+14	− 7	−16	−15	+ 4	+12	−46	2	0.38

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags		AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61		62	63	64	65	66	67	68-70
86901	9.505	0.016	8.187	0.009		1.119	0.014	T	1.08	0.01	L	8.2224	0.0015	0.014	140		8.20	8.25		C			1 S							
86902	11.552	0.087	10.667	0.060		0.789	0.079	T	0.82	0.06	L	10.6758	0.0032	0.034	141		10.60	10.73		C			1							G
86903	9.122	0.026	8.616	0.025		0.486	0.027	T	0.56	0.03	L	8.6678	0.0023	0.014	57		8.65	8.70		C			1							
86904	9.984	0.020	8.535	0.011		1.222	0.018	T	1.18	0.02	L	8.5516	0.0023	0.016	126		8.52	8.58					1							
86905	10.161	0.037	8.116	0.014		1.731	0.033	T	2.36	0.07	O	7.9404	0.0049	0.025	69		7.90	7.99		U 2			1							
86906	8.085	0.009	7.050	0.006		0.900	0.008	T	0.90	0.01	L	7.0943	0.0038	0.020	89		7.04	7.12		U 2 C			1							S
86907	9.759	0.018	8.643	0.012		0.962	0.017	T	0.95	0.01	L	8.6919	0.0024	0.021	122		8.66	8.73					1							
86908	8.344	0.009	8.051	0.009	*	0.273	0.015	G	0.31	0.02	H *	8.0953	0.0014	0.012	125	*	8.07	8.12		C	17455+3554	H 1	2 C C		AB	77	0.688	0.045	4.10	0.16	S
86910	10.001	0.029	9.109	0.021		0.801	0.015	G	0.88	0.02	A	9.1565	0.0019	0.017	66		9.11	9.18		D			1							
86911	10.717	0.072	10.092	0.062		0.602	0.015	G	0.67	0.01	H	10.1513	0.0069	0.035	50		10.06	10.20					1							G
86912	8.496	0.010	7.265	0.007		1.051	0.010	T	1.02	0.01	L	7.3131	0.0010	0.009	101		7.30	7.34		C			1							S
86913	8.933	0.013	8.481	0.012		0.426	0.016	T	0.49	0.02	L	8.5249	0.0014	0.014	115		8.51	8.55		C			1							
86914	10.203	0.061	9.438	0.051		0.737	0.003	G	0.78	0.00	H	9.3901	0.0031	0.017	57		9.36	9.42		C			1							
86915	9.681	0.028	8.930	0.024		0.671	0.028	T	0.73	0.02	L	8.9996	0.0021	0.014	64		8.98	9.02		C			1							
86916	12.150	0.152	10.938	0.086		1.045	0.144	T	1.71	0.17	K	10.7981	0.0050	0.038	105		10.75	10.86					1							G
86917	8.378	0.010	8.158	0.012	*	0.210	0.015	T	0.23	0.02	L *	8.1458	0.0017	0.009	66	*	8.13	8.17		D	17456−0330	I 1	2 C A		AB	219	0.726	0.005	1.38	0.02	S
86918	9.425	0.013	8.887	0.013		0.504	0.017	T	0.58	0.02	L	8.9521	0.0020	0.022	146		8.92	8.99					1							
86919	8.489	0.015	8.054	0.016		0.456	0.015	G	0.53	0.02	H	8.0972	0.0012	0.009	54		8.08	8.12		D			1							
86920	10.029	0.024	9.508	0.023		0.489	0.030	T	0.56	0.03	L	9.5273	0.0027	0.023	111		9.49	9.56		C			1							
86921	8.030	0.016	7.487	0.013	*	0.516	0.016	T	0.59	0.02	L *	7.4119	0.0009	0.009	124	*	7.40	7.43		D	17456−5047	I 1	2 C A		AB	182	1.141	0.003	0.05	0.01	S
86922	10.067	0.040	9.739	0.048		0.316	0.068	T	0.36	0.09	L	9.6432	0.0027	0.022	54		9.60	9.68					1							G
86923	10.864	0.048	8.954	0.018		1.586	0.041	T	1.61	0.04	L	8.8892	0.0021	0.016	93		8.86	8.91					1							
86924	10.266	0.042	9.843	0.046		0.406	0.020	G	0.47	0.02	H	9.9140	0.0031	0.018	60		9.88	9.95		C			1							G
86925	6.220	0.003	6.244	0.003		0.008	0.031	G	0.09	0.03	C	6.2486	0.0007	0.007	134		6.24	6.27					1							S
86926	10.724	0.068	8.902	0.026		1.516	0.058	T	1.55	0.09	L	8.8711	0.0031	0.016	52		8.84	8.91					1							
86927	10.236	0.030	8.808	0.016		1.183	0.005	G	1.14	0.01	H	8.8623	0.0014	0.013	96		8.84	8.90		C			1							
86928	9.442	0.017	8.857	0.016	A	0.569	0.015	G	0.64	0.01	H *	8.8852	0.0030	0.020	109	*	8.85	8.92			17457−5859	I 1	2 C C		AB	301	4.213	0.096	3.72	0.21	
86929	5.127	0.003	3.723	0.002		1.161	0.074	G	1.09	0.02	A	3.7700	0.0005	0.005	119		3.76	3.78					1							S
86930	7.820	0.006	7.370	0.006		0.424	0.008	T	0.49	0.01	L	7.4206	0.0010	0.011	167		7.40	7.44					1							S
86931											T	12.4389	0.0164	0.099	51		12.07	12.63					1 S							G
86932	11.155	0.057	9.661	0.026		1.257	0.049	T	1.22	0.05	L	9.7560	0.0025	0.023	111		9.69	9.80					1							
86933	11.235	0.062	9.345	0.021		1.603	0.054	T	2.14	0.12	O	9.2044	0.0031	0.030	105		9.15	9.25					1							
86934	10.909	0.069	10.247	0.065		0.604	0.071	T	0.67	0.06	L	10.2000	0.0042	0.031	69		10.13	10.24					1							G
86935	7.203	0.005	6.957	0.005		0.234	0.007	T	0.26	0.01	L	6.9943	0.0011	0.010	133		6.97	7.01					1							S
86936	8.120	0.009	7.816	0.012		0.289	0.014	T	0.33	0.02	L	7.8324	0.0016	0.011	71		7.81	7.85		C			1							S
86937	10.247	0.023	9.735	0.023		0.462	0.004	G	0.53	0.00	H	9.8298	0.0030	0.026	129		9.78	9.87					1							
86938						1.440	0.015	G	1.77	0.04	I	12.0556	0.0086	0.066	78		11.95	12.15					1							G
86939	7.805	0.007	6.649	0.005		0.993	0.007	T	0.97	0.01	L	6.6952	0.0007	0.008	122		6.68	6.71		C			1							S
86940	8.796	0.013	8.225	0.012		0.559	0.015	G	0.59	0.01	L	8.2750	0.0017	0.015	101		8.25	8.30					1							S
86941	8.422	0.010	8.272	0.012	A	0.144	0.015	T	0.16	0.01	L	8.3379	0.0080	0.031	127	A	8.24	8.38		D	17459+2153	I 2	1 C P A							S
86942	9.440	0.021	9.115	0.023	B	0.309	0.029	T	0.35	0.04	L	9.2794	0.0146			B				D	17459+2153	I 2	1 C I A							
86943	9.054	0.020	7.009	0.008		1.693	0.017	T	1.72	0.02	L	6.9383	0.0018	0.012	61		6.93	6.96					1							S
86944	7.559	0.006	7.566	0.009		−0.005	0.009	T	0.02	0.01	L	7.5979	0.0013	0.014	125		7.58	7.62					1							S
86945	10.097	0.025	9.427	0.022		0.610	0.025	T	0.68	0.02	L	9.4941	0.0023	0.021	136		9.45	9.53					1							
86946	8.115	0.009	6.637	0.005	*	1.390	0.015	G	1.36	0.02	I *	6.6539	0.0014	0.016	129	*	6.63	6.68	98.90	P 1 A	17460+3919	I 1	2 C A		AB	349	7.897	0.018	3.54	0.08	S P
86947	9.938	0.033	9.441	0.037	*	0.467	0.045	T	0.54	0.05	L *	9.3737	0.0021	0.019	82	*	9.34	9.41			17460−3435	H 1	2 C S B		AB	27	0.117	0.016	0.58	1.04	
86948	10.555	0.055	9.223	0.030		1.130	0.049	T	1.09	0.05	L	9.1772	0.0018	0.017	50		9.15	9.22		C			1							
86949	8.170	0.015	7.520	0.010		0.604	0.015	T	0.67	0.01	L	7.5352	0.0021	0.014	63		7.52	7.57		D			1 S							S
86950											T	11.2485	0.0052	0.054	137		11.14	11.33					1 S							G
86951	8.347	0.013	8.443	0.018		−0.086	0.005	G	−0.07	0.01	H	8.4403	0.0021	0.018	66		8.40	8.46					1							
86952	9.539	0.019	8.872	0.016		0.618	0.021	T	0.69	0.02	L	8.9636	0.0022	0.017	97		8.93	8.99					1							
86953	10.123	0.032	9.422	0.028		0.633	0.032	T	0.70	0.03	L	9.5095	0.0018	0.017	82		9.47	9.55		D			1							G
86954	6.831	0.005	6.842	0.006		−0.008	0.007	T	0.01	0.01	L	6.8551	0.0009	0.010	126		6.84	6.87		C			1 S							S
86955	8.281	0.009	8.256	0.011		0.028	0.013	T	0.04	0.01	L	8.2909	0.0019	0.017	101		8.27	8.32					1							S
86956	10.092	0.035	8.891	0.022		1.027	0.004	G	1.00	0.00	H	8.9137	0.0018	0.016	71		8.88	8.94					1							
86957	10.462	0.033	8.584	0.013		1.560	0.028	T	1.58	0.03	L	8.5175	0.0022	0.021	101		8.48	8.55		U			1							
86958	10.147	0.026	8.699	0.014	*	1.221	0.024	T	1.18	0.02	L *	8.7051	0.0021	0.017	116	*	8.68	8.73			17462−5920	H 1	2 C S B		AB	289	0.182	0.067	1.77	1.00	
86959	10.388	0.031	9.091	0.018	*	1.103	0.028	T	1.07	0.03	L *	9.1312	0.0022	0.018	97	*	9.11	9.16		D	17462+5357	H 1	2 C B		AB	285	0.488	0.040	3.14	0.16	
86960	7.335	0.007	7.339	0.008		−0.002	0.009	T	0.02	0.01	L	7.3530	0.0011	0.011	127		7.34	7.37		C			1							S P
86961						1.463	0.015	G	1.86	0.07	I	13.3707	0.2552			B				D	17462−3206	I 2	1 C L D							G D
86962	11.030	0.053	9.404	0.022		1.361	0.045	T	1.33	0.05	L	9.4234	0.0015	0.016	101		9.40	9.46		C			1 S							
86963						1.439	0.007	G	1.77	0.02	I	11.2003	0.0579	0.324	67	A	10.54	11.46		D	17462−3206	I 2	1 C P D							D
86964	9.011	0.016	8.850	0.019		0.134	0.015	G	0.15	0.01	H	8.8917	0.0064	0.050	58		8.85	8.98		U 2 C			1							
86965	9.332	0.029	8.695	0.026		0.629	0.015	G	0.70	0.01	H	8.6859	0.0025	0.017	50		8.65	8.71					1 S							
86966	10.757	0.045	8.801	0.016		1.622	0.038	T	1.64	0.04	L	8.7250	0.0015	0.014	90		8.70	8.76					1							
86967	9.991	0.028	9.508	0.030		0.502	0.020	G	0.57	0.02	H	9.5448	0.0025	0.019	96		9.51	9.58		C			1							G
86968	10.960	0.075	8.722	0.019		1.847	0.062	T	1.88	0.06	L	8.6014	0.0024	0.015	69		8.58	8.64		C			1							
86969	8.820	0.018	6.813	0.008		1.663	0.016	T	1.69	0.02	L	6.7515	0.0016	0.011	53		6.73	6.77					1							S
86970	10.158	0.036	8.599	0.019		1.308	0.032	T	1.27	0.03	L	8.5833	0.0023	0.013	61		8.55	8.61					1							
86971	10.731	0.063	8.801	0.022		1.602	0.053	T	1.62	0.05	L	8.6052	0.0032	0.024	56		8.57	8.67	936.07	P 1 C			1 S							P
86972	8.881	0.013	8.425	0.012		0.443	0.014	T	0.51	0.01	L	8.4740	0.0020	0.019	107		8.45	8.51					1							
86973	9.702	0.015	8.398	0.009		1.108	0.014	T	1.07	0.01	L	8.4265	0.0018	0.021	154		8.40	8.46					1							
86974	4.357	0.002	3.501	0.002		0.750	0.015	G	0.71	0.02	G	3.5596	0.0005	0.004	146		3.55	3.57			17465+2744	I 1	1							S
86975	8.764	0.012	8.088	0.010		0.631	0.015	G	0.70	0.01	H	8.1591	0.0012	0.014	109		8.14	8.19		C			1							S
86976	7.473	0.008	7.504	0.013		−0.024	0.014	T	0.00	0.01	L	7.5100	0.0016	0.009	75		7.50	7.52					1							S
86977	9.193	0.014	7.996	0.009		1.034	0.006	G	1.01	0.01	H	8.0482	0.0015	0.013	129		8.02	8.07					1							
86978	8.266	0.009	8.249	0.011		0.016	0.012	T	0.04	0.01	L	8.2555	0.0015	0.013	113		8.23	8.28		C			1							
86979	8.153	0.012	8.111	0.015		0.038	0.017	T	0.05	0.01	L	8.1138	0.0019	0.011	64		8.10	8.14		C			1							S
86980	9.731	0.018	8.428	0.011		1.107	0.016	T	1.07	0.02	L	8.4739	0.0012	0.013	97		8.46	8.50		C			1							
86981	11.026	0.045	9.858	0.027		1.002	0.041	T	0.98	0.03	L	9.9007	0.0033	0.030	151		9.85	9.96		C			1							
86982	7.774	0.007	7.609	0.008		0.158	0.010	T	0.17	0.01	L	7.6556	0.0015	0.014	96		7.63	7.68					1							S
86983	7.100	0.005	7.083	0.007		0.020	0.008	T	0.04	0.01	L	7.0848	0.0016	0.012	72		7.07	7.11		C			1							S
86984	11.035	0.044	10.643	0.050		0.371	0.062	T	0.43	0.07	L	10.6727	0.0029	0.032	113		10.61	10.74					1							G
86985	8.154	0.013	7.422	0.009		0.671	0.013	T	0.73	0.01	L	7.4864	0.0016	0.010	61		7.47	7.51					1							S
86986	9.813	0.022	10.149	0.040		−0.290	0.015	G	−0.32	0.02	H	10.0980	0.0028	0.028	129		10.04	10.14					1							G
86987	9.247	0.019	7.725	0.010		1.279	0.017	T	1.24	0.02	L	7.7317	0.0022	0.013	62		7.72	7.75					1							S
86988	8.791	0.011	8.489	0.012		0.287	0.015	T	0.33	0.02	L	8.5030	0.0016	0.013	107		8.48	8.53		D			1 S							
86989	9.793	0.021	9.278	0.021		0.493	0.022	T	0.57	0.02	L	9.3610	0.0024	0.022	105		9.32	9.40		C			1							
86990						1.660	0.027	G	2.54	0.02	A	10.7574	0.0036	0.035	123		10.68	10.81					1							G
86991	8.265	0.009	7.582	0.008		0.617	0.003	G	0.69	0.00	H	7.6410	0.0010	0.010	133		7.62	7.66		C			1							S
86992	8.860	0.011	8.260	0.010		0.558	0.015	G	0.63	0.01	H	8.3110	0.0016	0.014	108		8.30	8.34					1							
86993	7.714	0.007	7.745	0.008		−0.026	0.009	T	0.00	0.01	L	7.7553	0.0014	0.011	128		7.74	7.77		C			1							S P
86994	9.824	0.020	9.200	0.018		0.577	0.020	T	0.65	0.02	L	9.3025	0.0020	0.019	134		9.27	9.33					1							
86995	9.860	0.026	9.198	0.023	A	0.614	0.029	T	0.68	0.03	L	9.2670	0.0093	0.017	60	A	9.24	9.34		D	17466−0113	I 1	2 C A		AB	116	10.410	0.010	1.24	0.04	
86996	8.593	0.014	8.063	0.013	*	0.497	0.017	T	0.57	0.02	L *	8.1670	0.0016	0.014	121	*	8.14	8.19		D	17467+1447	I 1	2 C A		AB	284	6.970	0.003	0.12	0.01	S
86997	10.210	0.024	9.520	0.021		0.624	0.002	G	0.69	0.00	H	9.5866	0.0026	0.026	151		9.53	9.65					1 G							
86998	9.798	0.036	9.330	0.038	A	0.503	0.020	G	0.58	0.02	H	9.3242	0.0410	0.030	58	A	9.25	9.36		D	17467−2131	I 2	1 C P D							D
86999	8.422	0.010	7.986	0.009		0.393	0.015	G	0.46	0.02	H	8.0558	0.0012	0.014	107		8.03	8.08		M			1							S
87000	11.646	0.190	10.999	0.179	B	0.529	0.020	G	0.60	0.02	H	11.3927	0.2188			B				D	17467−2131	I 2	1 C I D							D

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)																						Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	$\alpha*$	$\alpha*$	δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr																			%	
1 2	3	4	5 6 7		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28													29	30
*87001	17 46 40.65	+25 44 57.3	6.97	G	266.669 390 22	+25.749 256 39		5.81	−37.05	−43.23	0.40	0.47	0.65	0.50	0.57	+ 8	−12	−16	+12	+ 5	− 1	+ 5	+ 4	+ 5	+ 7													0	0.21
87002	17 46 41.04	+05 46 27.5	7.14	H	266.671 010 35	+05.774 294 30		3.74	−0.11	−8.23	0.72	0.53	0.91	0.84	0.55	−15	−21	+ 6	+25	+19	+ 7	+20	+43	−23	−29													0	−0.87
87003	17 46 41.75	−23 41 04.8	7.90	H	266.673 947 62	−23.684 659 84		6.32	22.27	−15.84	1.00	0.65	1.09	1.20	0.81	− 4	−35	−21	+11	−32	−10	−29	+18	− 4	−38													0	0.40
87004	17 46 41.79	−04 03 11.5	8.63	H	266.674 144 69	−04.053 181 80		4.47	10.21	6.29	1.31	0.98	1.27	1.31	1.01	+34	−13	+ 4	−50	−30	−21	−30	−59	−11	+23													0	1.37
87005	17 46 42.04	−19 59 54.1	9.91	G	266.675 165 09	−19.998 350 72		0.50	−3.07	−24.14	1.55	0.99	1.74	1.89	1.22	− 6	−17	−22	+12	+ 2	+ 5	+ 1	+ 6	+ 3	−40													0	0.85
*87006	17 46 42.30	+27 58 59.1	9.02	H	266.676 248 09	+27.983 086 14		0.93	−2.27	0.19	0.68	0.82	1.07	0.90	0.96	+ 1	−12	− 6	− 2	+ 4	−17	+ 5	− 6	−11	+ 8													0	0.63
*87007	17 46 42.29	+25 13 15.7	9.52	2 H	266.676 224 33	+25.221 027 03		1.50	−3.31	−18.19	0.80	1.01	1.45	1.10	1.30	+11	−12	−13	+19	+ 1	+ 0	+ 3	+ 8	−10	+12													0	0.82
*87008	17 46 42.25	−42 37 13.6	10.08	H	266.676 042 78	−42.620 432 40		4.56	7.16	−3.31	2.05	1.47	2.25	2.49	1.69	+ 8	−35	−15	+33	−12	− 1	−12	+52	+ 5	+ 8													0	−0.34
87009	17 46 43.06	−25 45 17.6	9.09	H	266.679 399 69	−25.754 883 79		5.07	−2.86	−10.06	1.22	0.82	1.25	1.58	1.08	−24	−21	−16	+28	−36	+ 6	−31	+35	−13	−59													0	1.67
87010	17 46 43.80	+50 03 09.3	10.58	G	266.682 480 21	+50.052 588 85		25.85	105.14	−350.85	1.20	1.11	1.24	1.54	1.33	+ 5	−10	− 3	−13	− 1	− 3	+ 1	−19	− 7	+24													1	1.07
87012	17 46 48.21	+14 00 33.9	8.59	H	266.700 861 91	+14.009 420 62		4.82	−3.78	8.50	0.87	0.71	1.18	0.88	0.70	− 5	−16	−20	− 3	+38	− 4	+36	+24	−29	+11													0	−1.25
87013	17 46 48.56	−59 06 14.1	9.06	H	266.702 340 52	−59.103 903 41		13.43	−29.62	−76.05	1.05	0.87	1.29	1.12	0.80	− 8	−21	− 5	−28	+ 2	+10	+ 2	−54	+ 8	− 4													0	0.42
87014	17 46 48.63	+10 05 24.3	9.04	H	266.702 624 82	+10.090 094 54		4.14	−10.79	10.10	0.95	0.76	1.16	0.93	0.70	−27	+ 4	−26	− 9	+46	−20	+40	+12	− 1	−12													0	−0.92
87015	17 46 50.23	−77 04 54.5	9.42	G	266.709 295 41	−77.081 806 78		3.66	0.44	−9.06	0.71	0.91	1.08	0.89	1.13	+ 8	− 2	− 9	+ 0	− 8	− 3	− 7	+16	− 3	+ 6													2	−0.84
87016	17 46 50.60	−06 51 45.0	8.27	H	266.710 823 55	−06.862 496 65		2.82	25.88	9.00	1.14	0.66	1.21	1.14	0.71	+35	−56	−32	+26	+19	+ 2	+11	+ 1	+ 8	+19													2	1.46
87017	17 46 50.76	+10 07 02.3	8.51	G	266.711 499 39	+10.117 313 15		15.47	−27.87	−228.67	0.87	0.69	1.02	0.91	0.66	−29	− 9	−12	−13	+46	−21	+41	+ 8	− 3	−17													0	−0.89
87018	17 46 51.04	−48 00 29.7	8.57	H	266.712 652 15	−48.008 236 91		3.73	2.56	−34.07	1.28	1.08	1.42	1.45	1.04	−21	−22	−41	+39	−49	+16	−40	+54	−16	−38													0	1.32
87019	17 46 51.50	+37 08 40.1	9.94	H	266.714 578 97	+37.144 472 18		0.32	3.00	−37.76	0.93	0.96	1.12	1.04	1.06	+ 8	− 5	+ 7	+ 3	− 1	+ 5	− 2	+16	− 2	+17													0	0.96
87020	17 46 51.67	+58 38 19.3	8.61	H	266.715 275 91	+58.638 701 83		4.19	8.24	−2.34	0.70	0.75	0.76	0.88	0.98	+15	−20	−15	+ 9	− 3	+ 6	− 5	+ 9	+11	+19													2	1.31
87021	17 46 52.04	−58 11 43.3	7.52	H	266.716 829 81	−58.195 368 93		6.61	13.49	−16.61	0.86	0.66	0.92	0.94	0.60	+ 9	− 4	−15	−50	− 5	−20	− 8	−60	+ 7	− 3													0	0.75
87022	17 46 52.54	−31 34 53.9	10.72	G	266.718 922 27	−31.581 638 01		1.77	3.11	−2.79	1.94	1.27	2.13	2.64	1.54	− 3	−29	− 1	+24	+ 1	+18	− 1	+39	+ 5	+ 7													3	1.39
87023	17 46 53.13	−41 16 54.6	7.62	H	266.721 378 67	−41.281 838 96		0.06	−0.27	−0.77	0.98	0.73	1.14	1.59	0.98	+14	−12	− 4	+ 4	−18	−29	−19	+20	−15	+44													0	0.47
87024	17 46 53.18	+36 05 15.2	6.55	H	266.721 600 60	+36.087 543 83		3.85	11.25	−27.63	0.46	0.47	0.58	0.54	0.50	+ 7	−12	− 1	+23	+19	+ 0	+ 7	+19													1	−1.21
87025	17 46 53.57	+28 05 41.0	8.10	G	266.723 216 67	+28.094 723 46		4.49	10.30	14.33	0.53	0.65	0.84	0.70	0.78	− 1	− 7	−16	−10	+ 2	−12	+ 1	+ 0	− 8	+ 0													0	−0.34
87026	17 46 53.58	+41 52 48.8	8.95	H	266.723 269 15	+41.880 211 38		4.18	−1.95	21.70	0.75	0.72	0.85	0.76	0.81	+14	− 4	+ 2	+ 2	+ 9	−17	+11	+ 3	− 2	+13													0	0.24
87027	17 46 53.70	+29 24 31.2	8.41	G	266.723 769 23	+29.408 674 09		2.24	0.80	10.50	0.59	0.65	0.83	0.71	0.76	+13	− 7	− 4	+ 1	+11	− 1	+ 9	+17	− 1	+19													1	0.60
87028	17 46 56.11	+17 53 17.6	8.38	H	266.733 801 16	+17.888 219 74		2.43	−6.71	4.23	0.86	0.77	1.04	1.13	0.92	+20	−14	−11	+57	+25	+ 4	+16	+38	−15	−13													2	0.24
87029	17 46 57.23	−43 29 24.1	10.40	H	266.738 458 84	−43.490 016 50	B	8.85	−0.93	−72.09	50.88	39.67	24.05	39.55	28.14	+28	−21	−31	+ 4	− 8	−34	−15	+11	− 9	− 6													12	0.79
87030	17 46 57.37	−32 24 51.5	8.31	H	266.739 039 60	−32.414 297 61		2.46	0.40	−5.10	1.06	0.71	1.17	1.42	0.79	+16	−24	−20	+16	− 9	−10	− 8	+45	− 7	+20													0	0.79
87031	17 46 57.44	−43 55 51.9	9.71	H	266.739 348 96	−43.931 079 46		4.36	−6.31	−27.34	1.70	1.19	1.89	2.10	1.31	+ 0	−21	−20	+10	−22	− 9	−17	+28	−10	−15													0	1.87
87032	17 46 57.77	+05 25 32.6	8.87	H	266.740 698 38	+05.425 710 69		0.82	−2.55	−8.95	0.93	0.70	1.17	1.10	0.76	−12	−28	− 6	+22	+27	− 8	+27	+36	−21	−14													0	−0.98
87033	17 46 57.88	−43 29 36.4	7.64	G	266.741 182 89	−43.493 454 99	A	1.86	−0.12	−0.39	2.07	1.57	1.80	2.30	1.56	+18	−27	−29	+19	−11	−26	−12	+33	−14	− 4													12	0.79
87034	17 46 58.05	−06 12 32.1	8.22	H	266.741 865 89	−06.208 922 90		22.21	−70.27	−93.07	1.31	0.73	1.24	1.47	1.18	− 1	−46	−18	−31	+26	+22	+19	−43	+ 5	−46													0	1.74
87035	17 46 58.61	−16 35 27.4	10.65	G	266.744 222 64	−16.590 934 45		21.36	163.86	−151.97	1.94	1.25	2.18	2.99	1.70	+23	−19	+ 4	−32	−20	− 6	−12	−58	−12	+43													0	0.69
87036	17 47 01.02	+59 15 12.2	7.80	H	266.754 262 42	+59.253 395 00		5.96	−34.81	76.44	0.60	0.61	0.64	0.74	0.79	+12	−19	− 6	− 3	+ 6	+15	+ 5	+ 4	+ 4	+30													0	0.98
87037	17 47 03.29	+33 38 16.5	9.10	H	266.763 709 48	+33.637 905 61		2.48	10.65	−11.94	0.81	0.91	1.08	0.90	1.11	+13	−13	− 7	+22	+16	−21	+16	+19	+ 3	+10													1	1.06
87038	17 47 03.73	−29 14 54.1	9.33	H	266.765 546 78	−29.248 355 38		9.52	−19.93	−40.53	1.63	1.19	1.79	2.55	1.65	−21	−15	−40	+32	−38	+14	−31	+39	−20	−48													0	−0.69
87039	17 47 04.04	+26 25 10.1	10.18	H	266.766 839 90	+26.419 476 53		1.92	−2.87	16.99	1.04	1.31	1.68	1.23	1.56	+16	+ 3	−17	+ 5	+16	− 6	+16	+16	+ 9	+15													2	1.82
87040	17 47 06.02	−40 51 33.7	7.91	G	266.775 064 06	−40.859 361 92		1.16	6.07	−1.19	0.94	0.75	1.16	1.63	1.04	+ 5	− 5	−30	+ 1	− 6	−33	−17	+ 7	+14	+ 4													0	−2.71
*87041	17 47 07.34	+19 28 10.5	8.82	H	266.780 588 71	+19.469 574 78		1.61	2.52	−0.12	0.75	0.82	1.29	0.86	0.87	+10	−26	−10	+13	+36	−13	+28	+ 1	+ 9	− 3													1	−0.30
*87042 H	17 47 07.30	−38 06 43.5	6.41	H	266.780 396 82	−38.112 097 11	*	8.55	−3.36	−27.60	0.76	0.54	0.83	0.88	0.58	− 8	−27	− 2	+19	−21	+ 1	−17	+42	+ 0	−15													0	−0.90
87043	17 47 07.39	−59 59 39.3	6.51	1 H	266.780 780 90	−59.994 245 55		9.42	−11.20	−37.03	0.57	0.47	0.72	0.61	0.47	−17	−23	+ 3	− 8	+ 4	+16	+ 7	−43	+ 6	− 2													0	−0.57
87044 H	17 47 08.04	+17 41 49.3	5.61	H	266.783 497 46	+17.697 040 78	A	8.86	11.07	−11.19	0.80	0.71	0.82	0.85	0.68	+35	−12	−21	+47	+33	+10	+32	+50	−16	− 2													1	−1.00
87045 H	17 47 08.05	+47 36 44.0	6.47	H	266.783 525 40	+47.612 222 92	*	7.60	−13.94	6.63	1.54	2.00	0.82	0.75	0.86	−55	−10	− 4	−12	+ 7	+ 7	+ 5	− 1	− 5	− 1													2	−0.21
87046	17 47 08.31	−43 00 42.8	9.31	H	266.784 610 32	−43.011 879 08		2.72	0.30	−2.33	1.71	1.21	1.95	2.15	1.33	− 1	−30	−29	+31	−20	−10	−20	+39	+ 1	−17													0	−1.08
87047 H	17 47 09.16	+15 02 14.0	7.99	H	266.788 152 01	+15.037 217 14	A	2.46	−4.34	−7.50	1.42	1.41	1.63	1.35	1.14	+16	− 3	+13	+26	+32	+11	+32	+23	+12	− 5													0	−0.20
87048	17 47 09.99	+04 25 45.8	7.86	H	266.791 604 50	+04.429 388 09		11.24	−24.89	−31.78	0.74	0.58	0.92	0.80	0.69	−12	−37	− 2	+ 8	+25	+ 8	+30	+15	−20	+ 4													0	2.16
*87049	17 47 11.93	+63 07 21.0	7.94	H	266.799 723 09	+63.122 512 49		3.71	2.54	13.40	0.62	0.59	0.62	0.78	0.74	+13	− 6	−10	+26	+ 6	+13	+ 8	+12	+ 6	+24													0	−1.11
*87050	17 47 11.93	−08 33 25.8	9.87	H	266.799 716 05	−08.557 176 94		7.54	3.75	−6.17	1.51	1.01	1.63	1.71	1.12	−22	−21	+ 9	− 1	+26	+16	+24	−27	+ 4	−18													0	1.49
87051	17 47 12.16	+69 44 52.4	8.73	H	266.800 669 50	+69.747 875 74		4.63	−7.91	−30.87	0.79	0.76	0.82	0.95	1.04	+17	+ 3	−21	−40	−12	−22	−18	−38	+ 3	+23													0	−0.27
87052	17 47 13.66	+28 54 36.7	7.57	H	266.806 901 51	+28.910 186 16		4.06	−1.99	1.04	0.49	0.54	0.70	0.63	0.64	+ 8	+ 0	−10	− 8	+ 7	− 7	+ 5	− 2	+ 3	+14													0	−0.77
87053	17 47 15.56	+43 17 37.1	8.31	H	266.814 847 48	+43.293 648 71		6.96	−3.49	32.02	0.59	0.58	0.67	0.66	0.66	+ 4	−17	+ 9	− 2	+ 7	− 7	+ 8	+13	− 9	+12													1	1.32
87054	17 47 18.94	−42 01 44.6	8.63	H	266.828 933 91	−42.029 065 03		0.54	−6.99	−8.08	1.12	0.80	1.19	1.45	0.95	− 1	+ 1	+10	+50	− 3	+10	− 3	+50	+ 0	+26													0	−0.23
87055	17 47 19.44	+78 23 27.2	8.55	H	266.830 984 98	+78.390 898 75		18.09	−120.53	177.38	0.59	0.61	0.64	0.65	0.78	+ 4	− 8	− 4	− 1	+11	− 9	+12	− 4	−10	+ 1													0	−0.37
87056	17 47 22.26	+11 25 24.8	9.11	G	266.842 734 08	+11.423 547 62		6.01	8.95	18.95	1.03	0.80	1.17	1.13	0.88	+ 9	−18	−16	+18	+47	−10	+46	+31	−17	+15													0	−1.54
87057	17 47 24.48	+84 42 09.6	8.30	H	266.852 005 37	+84.702 678 93		4.39	1.20	16.33	0.58	0.60	0.65	0.61	0.63	+ 4	−25	− 2	−13	+ 9	+13	+ 4	+16	+ 4	+18													0	1.40
87058	17 47 25.06	+24 14 47.9	7.69	H	266.854 416 45	+24.246 644 44		3.63	−8.11	23.56	0.37	0.59	0.85	0.45	0.74	+ 6	− 8	−17	+ 2	− 2	− 4	− 1	+ 5	−18	+ 7													0	0.47
87059	17 47 25.08	+22 46 42.9	8.84	H	266.854 503 75	+22.778 570 97		12.06	13.76	52.04	0.58	0.81	1.11	0.75	0.91	+ 7	−13	−14	+36	+16	−12	+14	+ 1	+15	+14													0	−0.26
87060	17 47 25.21	−21 11 56.2	9.83	H	266.855 044 03	−21.198 931 66		1.66	−7.60	−13.52	2.02	1.33	2.13	2.71	1.68	−15	−26	− 4	+19	−17	+ 1	−13	+15	− 8	−15													0	1.47
87061 H	17 47 27.09	−18 06 25.6	7.45	G	266.862 875 95	−18.107 107 67	A	7.28	1.68	−4.85	1.58	1.10	1.38	1.61	1.02	−28	−29	−13	−26	+41	−11	+32	−49	+ 5	−22													4	−0.33
87062	17 47 27.83	−08 46 44.5	10.60	G	266.865 940 52	−08.779 040 96		10.34	242.73	−364.77	1.96	1.26	2.20	2.17	1.40	− 2	−38	−17	+10	+15	− 8	+12	−18	+ 2	− 7													0	0.31
87063	17 47 28.24	−35 42 04.6	7.66	2 H	266.867 661 74	−35.701 264 11	*	2.75	−1.85	−3.95	1.76	1.27	1.42	2.03	1.71	− 9	−46	+ 6	+62	−11	−22	−24	+82	+23	− 8													0	0.08
87064	17 47 28.63	−21 05 42.9	10.34	G	266.869 277 79	−21.095 256 02		4.06	63.88	−171.16	1.73	1.19	1.83	2.41	1.54	− 3	−17	− 1	+10	− 8	− 2	− 7	+ 8	− 1	−12													0	0.34
87065	17 47 30.69	+27 08 01.8	11.03	H	266.877 862 78	+27.133 846 88		0.93	3.79	12.78	1.29	1.58	2.16	1.57	1.95	+19	−23	− 7	+14	+ 8	+ 2	+ 9	+16	− 6	+15													0	1.04
87066	17 47 30.71	−43 25 03.8	9.25	H	266.877 943 42	−43.417 710 56		16.42	−22.42	−97.64	1.38	0.97	1.63	1.82	1.03	−12	−22	−14	+23	−23	−32	−22	+34	−10	−17													0	−0.10
87067	17 47 31.27	−37 50 46.8	9.02	H	266.880 275 22	−37.846 320 43		2.51	−9.19	−23.47	1.40	1.00	1.50	1.64	1.01	− 7	−23	−14	+28	−35	+ 5	−24	+52	−16	−21													0	−0.24
87068	17 47 31.40	−20 50 14.3	7.19	H	266.880 834 30	−20.837 311 02		5.33	−2.32	−11.90	0.94	0.62	0.96	1.44	0.85	− 8	+ 2	− 7	+33	−12	+15	−10	+29	− 2	+ 5													0	1.58
87069	17 47 31.87	+18 53 21.7	6.67	H	266.882 798 57	+18.889 351 04		7.54	−3.34	2.71	0.60	0.55	0.80	0.65	0.58	+14	−27	−27	+28	+36	−19	+29	+21	+ 5	− 6													0	−0.05
87070	17 47 32.84	−56 09 57.5	7.36	H	266.886 826 21	−56.165 959 70		11.12	8.83	−10.35	0.69	0.54	0.93	0.81	0.59	− 5	−31	+12	+ 7	−11	+13	− 3	−27	+ 3	+26													2	−0.50
87071	17 47 33.49	+15 51 04.1	10.18	H	266.889 544 26	+15.851 125 60		9.99	−6.07	−16.23	1.07	0.96	1.61	1.52	1.13	+30	−16	− 3	+12	+29	+15	+29	+25	− 6	− 3													0	0.00
87072	17 47 33.63	−27 49 50.7	4.53	3 H	266.890 112 76	−27.830 762 55		3.03	−3.62	−10.67	0.82	0.55	0.94	1.01	0.71	−11	−40	−36	+16	−12	+ 2	− 8	+23	− 2	−65													0	0.63
87073	17 47 35.08	−40 07 37.1	2.99	1 H	266.896 171 37	−40.126 981 97		1.82	0.44	−6.40	0.66	0.49	0.73	0.83	0.58	+ 9	−32	−12	+25	+ 3	−17	− 3	+35	+10	+ 9													0	−0.94
87074	17 47 36.79	−14 43 32.8	5.93	H	266.903 302 67	−14.725 781 18		6.39	−22.19	−17.58	0.77	0.51	0.86	0.90	0.55	+ 0	−24	−11	− 6	+19	−11	+15	−52	+11	+ 0													2	2.10
87075	17 47 37.08	+15 02 06.1	7.70	H	266.904 510 95	+15.035 014 26		3.09	12.96	5.37	0.63	0.54	0.87	0.79	0.60	+18	−17	+ 5	+29	+33	+ 7	+31	+34	− 5	+ 0													0	−0.29
87076	17 47 37.35	−64 04 08.3	8.90	H	266.905 627 62	−64.068 982 38		3.42	3.28	3.38	0.82	0.84	1.25	0.83	0.89	+ 8	−15	+17	−23	+ 3	+13	+ 0	−15	− 3	+27													0	−2.38
87077	17 47 37.69	−57 24 14.6	8.06	H	266.907 031 42	−57.404 064 52		3.58	4.40	−1.32	0.96	0.68	1.05	1.06	0.66	+20	− 7	+14	−37	−20	−24	−15	−59	−13	+32													0	0.38
87078	17 47 37.77	−38 21 36.2	8.38	H	266.907 392 04	−38.360 050 07		2.24	1.42	−1.92	1.14	0.83	1.24	1.44	0.93	+ 5	−28	+ 3	+24	− 4	− 4	− 4	+48	+ 2	+10													0	−0.80
87079	17 47 38.07	+73 07 58.2	7.74	H	266.908 627 20	+73.132 845 29		25.10	53.74	−67.99	0.58	0.54	0.63	0.64	0.74	+ 8	−21	+11	+ 0	+10	−14	+20	−29	−26	+15													0	0.03
*87080	17 47 38.51	+23 53 55.1	9.67	H	266.910 445 99	+23.898 640 68		3.41	−19.45	−3.56	0.63	1.08	1.59	0.79	1.29	+ 8	− 5	−25	+24	+ 6	+ 1	+ 8	+12	−14	+15													1	1.02
*87081	17 47 38.49	+02 22 32.9	8.86	H	266.910 389 35	+02.375 811 12		3.07	−21.35	−11.05	1.14	0.94	1.33	1.47	1.11	+23	−25	−31	−25	−10	+11	−10	−42	+18	+26													0	−0.01
87082	17 47 39.26	+27 47 42.3	9.47	G	266.913 584 50	+27.795 080 72		8.28	−132.80	−212.27	0.74	0.97	1.31	1.02	1.19	− 7	− 7	+ 5	+15	− 7	−23	− 4	+10	− 4	+ 7													1	1.21
87083	17 47 39.69	−55 47 24.7	9.08	G	266.915 354 69	−55.790 196 43		21.65	−13.79	−171.00	1.11	0.89	1.41	1.38	0.91	− 2	−17	+25	−24	−16	+ 2	− 9	−47	−15	+14													0	−1.01
87084	17 47 39.95	+20 12 09.8	9.94	H	266.916 441 81	+20.202 728 47		15.25	90.21	130.30	0.90	0.94	1.54	1.25	1.07	+ 6	−28	+ 2	− 4	+36	+17	+27	+15	+ 8	+ 7													0	2.89
87085	17 47 41.80	−35 13 19.8	7.59	H	266.924 168 22	−35.222 175 61		2.98	4.68	−0.28	0.97	0.72	1.11	1.27	0.76	− 4	−19	−16	+31	−11	−12	−14	+67	−17	+22													0	0.19
87086	17 47 41.85	+59 49 28.2	8.69	G	266.924 381 41	+59.824 512 32		15.24	37.71	−68.67	0.65	0.72	0.72	0.77	0.81	+15	− 5	− 5	+ 0	+ 6	+12	+ 6	−11	+21	+34													0	0.65
87087	17 47 42.00	−73 58 15.1	8.70	H	266.925 008 92	−73.970 871 07		2.06	7.47	−0.06	0.57	0.76	1.02	0.61	0.84	+ 1	−13	−12	− 9	+ 1	−22	− 3	−13	+10	− 6													0	1.85
87088	17 47 42.13	−57 26 55.6	7.53	G	266.925 531 69	−57.448 768 69		12.31	5.99	15.56	0.82	0.62	0.91	0.92	0.59	+31	+ 4	+29	−43	−34	−28	−27	−64	−27	+43													0	1.48
87089	17 47 42.41	+04 56 24.6	8.91	H	266.926 713 56	+04.940 169 94		26.16	−545.99	−215.83	0.89	0.71	1.16	1.05	0.85	−29	−21	+ 1	+10	+15	+10	+19	+ 5	−21	−15													0	−0.31
87090	17 47 42.55	−62 01 57.9	7.72	H	266.927 304 07	−62.032 750 02		2.75	−8.88	−12.63	0.62	0.59	0.84	0.73	0.66	− 3	−18	− 2	− 5	+ 6	+11	+ 7	−23	− 9	− 3													0	−0.41
87091	17 47 42.85	−82 12 57.4	9.01	1 H	266.928 560 00	−82.215 937 80		32.66	−38.99	−207.27	0.81	0.83	1.09	0.87	0.99	− 6	−34	−18	+ 6	−10	−25	−18	− 2	+ 6	−18

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″		ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65		66	67	68-70
87001	7.161	0.004	7.002	0.005		0.166	0.026	G	0.27	0.02	A	7.0223	0.0008	0.010	167		7.01	7.04		C			1							S
87002	7.112	0.005	7.135	0.007		−0.019	0.007	T	0.00	0.01	L	7.1382	0.0006	0.008	122		7.13	7.15		D			1							S
87003	8.239	0.015	7.941	0.015		0.327	0.015	G	0.38	0.02	H	7.9784	0.0018	0.012	60		7.96	8.00					1							S
87004	9.072	0.017	8.672	0.018		0.378	0.023	T	0.44	0.03	L	8.7147	0.0026	0.019	64		8.69	8.75		C			1							
87005	10.820	0.083	10.041	0.070		0.906	0.015	G	0.91	0.01	H	10.0070	0.0024	0.021	52		9.91	10.07		C			1							G
87006	9.437	0.023	9.072	0.024		0.349	0.015	G	0.41	0.02	H	9.1064	0.0018	0.023	145		9.07	9.14			17467+2759	I 1	1							
87007	11.038	0.036	9.637	0.018		1.184	0.032	T	1.14	0.03	L	9.6795	0.0025	0.031	164		9.62	9.73		U			1							
87008	10.660	0.058	10.126	0.057		0.501	0.073	T	0.57	0.08	L	10.1931	0.0036	0.027	67		10.14	10.24		C			1 S							G
87009	9.350	0.024	9.102	0.028		0.232	0.037	T	0.26	0.05	L	9.1584	0.0031	0.015	54		9.13	9.18		C			1							
87010						1.360	0.015	G	1.59	0.03	I	10.7732	0.0040	0.030	95		10.72	10.84					1							G
87012	8.753	0.012	8.604	0.014		0.143	0.017	T	0.16	0.02	L	8.6456	0.0019	0.016	89		8.62	8.68		C			1 S							
87013	9.822	0.021	9.159	0.018		0.605	0.021	T	0.67	0.02	L	9.1946	0.0031	0.024	110		9.16	9.23					1							
87014	9.677	0.018	9.106	0.017		0.534	0.022	T	0.61	0.02	L	9.1584	0.0015	0.016	116		9.13	9.18					1							
87015	11.169	0.047	9.527	0.018		1.322	0.006	G	1.32	0.09	H	9.5742	0.0024	0.026	153		9.54	9.62		C			1							G
87016	10.248	0.032	8.468	0.014		1.483	0.028	T	1.50	0.04	L	8.4004	0.0015	0.014	71		8.37	8.44					1							
87017	9.139	0.013	8.536	0.012		0.525	0.002	G	0.60	0.00	H	8.6242	0.0012	0.013	114		8.60	8.65					1							
87018	9.992	0.032	8.680	0.019		1.114	0.029	T	1.08	0.03	L	8.7417	0.0026	0.017	57		8.72	8.77		C			1							
87019	11.366	0.065	10.017	0.031		1.143	0.056	T	1.11	0.05	L	10.1100	0.0030	0.028	122		10.06	10.16					1							
87020	10.101	0.028	8.735	0.015		1.157	0.025	T	1.12	0.02	L	8.7723	0.0014	0.013	95		8.75	8.80		C			1							
87021	7.788	0.007	7.551	0.007		0.226	0.009	T	0.25	0.01	L	7.5867	0.0016	0.014	117		7.57	7.62					1							S
87022	11.049	0.095	10.575	0.097		0.220	0.015	G	0.24	0.02	H	10.8074	0.0051	0.025	52		10.71	10.86		C	17469−3135	I 1	1							G
87023	9.834	0.039	7.793	0.014		1.690	0.033	T	1.71	0.03	L	7.7229	0.0024	0.013	52		7.70	7.74					1							
87024	8.476	0.010	6.712	0.004		1.470	0.009	T	1.48	0.01	L	6.6789	0.0011	0.009	140		6.66	6.69					1							S
87025	8.282	0.011	8.063	0.012		0.159	0.006	G	0.18	0.01	H	8.1324	0.0017	0.017	151		8.10	8.17					1							S
87026	10.748	0.046	9.098	0.018		1.380	0.039	T	1.35	0.05	L	9.0965	0.0019	0.019	129		9.07	9.14		C			1							
87027	8.748	0.010	8.445	0.011		0.311	0.015	G	0.36	0.02	H	8.4857	0.0015	0.018	147		8.46	8.52		C			1							
87028	10.017	0.022	8.512	0.012		1.266	0.020	T	1.22	0.02	L	8.5426	0.0019	0.015	98		8.52	8.57		C			1							
87029	10.292	0.045	9.907	0.049	B	0.364	0.062	T	0.43	0.07	L	10.6607	0.1413			B				D	17470−4330	I 2	1 C I D							D
87030	8.391	0.013	8.372	0.016		0.159	0.015	G	0.18	0.01	H	8.3642	0.0013	0.013	70		8.34	8.39		C			1							
87031	10.046	0.038	9.687	0.044		0.340	0.054	T	0.40	0.07	L	9.7916	0.0042	0.025	64		9.74	9.84					1							G
87032	8.990	0.012	8.884	0.015		0.096	0.018	T	0.11	0.02	L	8.9135	0.0018	0.019	132		8.88	8.94		C			1							G
87033	7.528	0.007	7.612	0.010	A	−0.060	0.015	G	−0.04	0.01	H	7.5915	0.0091	0.025	74	A	7.56	7.64		D	17470−4330	I 2	1 C P D							S D
87034	9.032	0.015	8.312	0.013		0.661	0.016	T	0.72	0.01	L	8.3541	0.0023	0.016	78		8.33	8.38		C			1 G							
87035	11.884	0.121	10.607	0.064		1.019	0.007	G	1.07	0.01	I	10.7650	0.0038	0.030	104		10.71	10.82		C			1 G							G
87036	9.207	0.016	7.931	0.010		1.086	0.015	T	1.05	0.01	L	7.9712	0.0012	0.011	86		7.96	8.00					1							S
87037	10.245	0.026	9.175	0.017		0.927	0.024	T	0.92	0.02	L	9.2642	0.0024	0.026	142		9.21	9.32					1							
87038	9.930	0.037	9.311	0.035		0.573	0.038	T	0.65	0.04	L	9.4508	0.0043	0.021	50		9.43	9.48		C			1							G
87039	11.381	0.056	10.264	0.033		0.962	0.051	T	0.95	0.04	L	10.3440	0.0038	0.046	147		10.24	10.42					1							G
87040	7.893	0.013	7.887	0.019		−0.002	0.013	G	0.02	0.01	H	7.9272	0.0021	0.013	46		7.91	7.95		C			1							S
87041	10.199	0.024	8.958	0.015		1.059	0.022	T	1.03	0.02	L	8.9921	0.0023	0.022	135		8.96	9.04					1							
87042	6.386	0.005	6.405	0.007	*	−0.020	0.002	G	0.00	0.00	H	* 6.4135	0.0008	0.005	58	*	6.40	6.43		D	17471−3807	I 1	2 C S A	AB	183	0.173	0.005	1.06	0.15	S
87043	6.872	0.006	6.539	0.006		0.321	0.009	T	0.37	0.01	L	6.5911	0.0031	0.030	126		6.53	6.64	0.11	P 1 A			1							S
87044	5.665	0.002	5.625	0.003	*	0.036	0.004	T	0.05	0.00	L	* 5.6341	0.0008	0.006	101	*	5.63	5.64		D	17471+1742	I 1	2 C A	AB	263	0.545	0.002	1.34	0.01	S
87045	6.586	0.004	6.478	0.005	*	0.095	0.003	G	0.11	0.00	H	* 6.5088	0.0009	0.007	111	*	6.50	6.52		C	17471+4737	M 1	2 C C	AB	143	0.244	0.058	3.29	0.44	S
87046	10.860	0.064	9.405	0.031		1.227	0.056	T	1.19	0.06	L	9.4710	0.0049	0.028	67		9.43	9.51		C			1							
87047	8.055	0.006	8.002	0.008	*	0.054	0.009	T	0.07	0.01	L	* 8.0153	0.0014	0.013	137	*	7.99	8.04		D	17472+1502	I 1	2 C A	AB	153	0.428	0.002	0.62	0.02	S
87048	8.378	0.010	7.929	0.010		0.510	0.001	G	0.58	0.00	H	7.9672	0.0013	0.012	99		7.95	7.99		C			1							S
87049	8.033	0.009	7.952	0.011		0.080	0.013	T	0.09	0.01	L	7.9736	0.0011	0.010	103		7.95	7.99					1							S
87050	10.388	0.046	9.934	0.048		0.458	0.020	G	0.53	0.02	H	9.9694	0.0045	0.030	59		9.92	10.01					1							G
87051	9.254	0.016	8.756	0.015		0.468	0.020	T	0.54	0.02	L	8.8317	0.0026	0.019	95		8.80	8.87					1							
87052	7.556	0.006	7.571	0.008		−0.009	0.009	T	0.01	0.01	L	7.5794	0.0011	0.010	139		7.56	7.60		C			1							S
87053	8.675	0.009	8.345	0.010		0.313	0.013	T	0.36	0.02	L	8.3815	0.0013	0.017	123		8.36	8.41					1							S
87054	8.610	0.015	8.630	0.020		−0.016	0.022	T	0.01	0.02	L	8.6355	0.0021	0.014	58		8.61	8.67		C			1							
87055	9.382	0.016	8.629	0.013		0.660	0.015	G	0.72	0.01	H	8.6851	0.0014	0.014	122		8.67	8.71					1							
87056	9.570	0.017	9.135	0.018		0.390	0.020	G	0.46	0.02	H	9.2028	0.0020	0.018	98		9.18	9.23					1							
87057	8.381	0.009	8.296	0.010		0.061	0.015	G	0.07	0.01	H	8.3287	0.0014	0.013	124		8.31	8.36					1							S
87058	9.322	0.011	7.820	0.006		1.263	0.010	T	1.22	0.01	L	7.8474	0.0011	0.014	235		7.82	7.87		C			1							S
87059	9.555	0.014	8.909	0.012		0.600	0.016	T	0.67	0.01	L	8.9698	0.0019	0.024	190		8.94	9.01					1							
87060	11.557	0.142	10.083	0.061		1.241	0.121	T	1.20	0.12	L	9.9991	0.0037	0.029	62		9.95	10.05		D			1 S							G
87061	7.829	0.009	7.505	0.010	*	0.317	0.024	G	0.37	0.03	H	* 7.5246	0.0013	0.010	83	*	7.51	7.54		D	17475−1806	I 1	2 C A	AB	317	0.985	0.017	2.69	0.06	S
87062						0.605	0.044	G	0.67	0.04	H	10.6986	0.0034	0.027	60		10.66	10.76					1							G
87063	12.239	0.282	8.254	0.015		2.100	0.470	G	2.09	0.48	J	7.7340	0.0265	0.122	77		7.69	7.98		U 2 C			1 V							P
87064	11.021	0.092	10.435	0.090		0.572	0.020	G	0.64	0.02	H	10.4544	0.0042	0.026	61		10.41	10.49		C			1							G
87065	11.750	0.088	11.003	0.073		0.683	0.090	T	0.74	0.07	L	11.1683	0.0041	0.046	146		11.09	11.25					1							G
87066	10.103	0.036	9.330	0.030		0.688	0.036	T	0.75	0.03	L	9.3899	0.0031	0.018	65		9.36	9.44		C			1							
87067	10.354	0.052	9.179	0.034		1.008	0.048	T	0.98	0.04	L	9.1822	0.0027	0.018	55		9.14	9.21		C			1 S							
87068	7.659	0.010	7.235	0.007		0.401	0.011	T	0.47	0.01	L	7.2832	0.0013	0.009	60		7.27	7.30					1							S
87069	6.752	0.004	6.671	0.006		0.080	0.007	T	0.09	0.01	L	6.7001	0.0011	0.010	93		6.68	6.71					1							S
87070	7.806	0.008	7.400	0.008		0.393	0.016	G	0.46	0.02	H	7.4511	0.0012	0.010	114		7.43	7.47					1							S
87071	10.815	0.041	10.157	0.037		0.601	0.041	T	0.67	0.04	L	10.3024	0.0026	0.026	129		10.26	10.35		C			1							G
87072	5.452	0.048	4.638	0.031		0.600	0.020	G	0.76	0.02	A	4.6672	0.0181	0.249	53		4.37	4.98	7.01	P 1 A			1							S
87073	3.617	0.004	3.069	0.004		0.509	0.009	G	0.64	0.02	A	3.1093	0.0012	0.007	59		3.10	3.12		M	17476−4008	I 1	1							S
87074	5.944	0.004	5.935	0.003		0.009	0.004	T	0.03	0.00	L	5.9432	0.0006	0.006	82		5.93	5.95		C			1							S
87075	7.891	0.007	7.723	0.008		0.161	0.010	T	0.18	0.01	L	7.7553	0.0016	0.015	138		7.73	7.78					1 S							S
87076	10.256	0.025	9.035	0.016		1.043	0.023	T	1.01	0.02	L	9.0685	0.0031	0.023	137		9.03	9.11					1							
87077	9.875	0.021	8.217	0.010		1.386	0.018	T	1.36	0.02	L	8.2016	0.0017	0.017	135		8.17	8.23					1							
87078	10.513	0.050	8.526	0.018		1.647	0.042	T	1.67	0.04	L	8.4910	0.0023	0.013	61		8.47	8.51		C			1							
87079	8.449	0.010	7.810	0.009		0.619	0.015	G	0.69	0.01	H	7.8694	0.0014	0.010	101		7.85	7.89		C			1							S
87080	10.998	0.032	9.794	0.018		1.030	0.029	T	1.00	0.02	L	9.8399	0.0024	0.033	251		9.78	9.90		C			1 S							
87081	10.920	0.072	9.076	0.025		1.533	0.060	T	1.58	0.13	L	8.9849	0.0020	0.017	67		8.95	9.02		C			1 S							
87082	10.241	0.038	9.614	0.035		0.640	0.015	G	0.70	0.01	H	9.6054	0.0023	0.030	152		9.56	9.65			17477+2748	I 1	1							
87083	10.132	0.029	9.153	0.021		0.820	0.002	G	0.86	0.00	H	9.2270	0.0024	0.017	93		9.20	9.26		C	17477−5548	I 1	1							
87084	10.983	0.037	9.994	0.025		0.866	0.033	T	0.88	0.02	L	10.0998	0.0031	0.033	176		10.04	10.16		R			1							G
87085	7.583	0.011	7.589	0.015		−0.001	0.017	T	0.02	0.02	L	7.6013	0.0018	0.011	79		7.58	7.62					1							S
87086	9.431	0.017	8.740	0.015		0.610	0.015	G	0.68	0.01	H	8.8161	0.0019	0.017	98		8.79	8.84		C			1							
87087	10.068	0.018	8.810	0.011		1.072	0.016	T	1.04	0.01	L	8.8725	0.0017	0.020	183		8.84	8.91		C			1 S							
87088	7.964	0.007	7.572	0.008		0.403	0.004	G	0.47	0.00	H	7.6066	0.0013	0.012	135		7.59	7.63		C			1							S
87089	9.898	0.020	8.998	0.016		0.822	0.011	G	0.86	0.01	H	9.0504	0.0020	0.018	111		9.02	9.08		C			1							G
87090	9.160	0.014	7.843	0.008		1.118	0.013	T	1.08	0.01	L	7.8865	0.0014	0.014	121		7.86	7.91					1							
87091	10.283	0.025	9.134	0.016		0.980	0.024	T	1.02	0.02	L	9.1552	0.0021	0.023	137		9.12	9.20		U	17476−8213	I 1	1							
87092	10.631	0.059	9.674	0.041		0.847	0.002	G	0.89	0.00	H	9.6857	0.0026	0.017	59		9.66	9.72					1 S							G
87093	8.756	0.019	8.462	0.021		0.280	0.027	T	0.32	0.03	L	8.4892	0.0018	0.013	61		8.47	8.52		C			1							
87094	10.147	0.025	8.884	0.015		1.076	0.023	T	1.04	0.02	L	8.9488	0.0019	0.019	117		8.92	8.98					1							
87095	10.242	0.024	8.919	0.014		1.123	0.022	T	1.09	0.02	L	8.9694	0.0026	0.019	148		8.94	9.00					1							
87096	11.044	0.095	9.387	0.039		1.386	0.081	T	1.36	0.10	L	9.3347	0.0029	0.019	61		9.30	9.39					1 S							
87097	10.689	0.044	10.001	0.036		0.635	0.047	T	0.70	0.04	L	10.0746	0.0023	0.024	100		10.02	10.12		C			1 X							G G
87098	8.140	0.008	8.012	0.009		0.124	0.011	T	0.14	0.01	L	8.0505	0.0013	0.013	143		8.03	8.07					1 G							S
87099	8.091	0.013	6.357	0.006		1.446	0.011	T	1.44	0.02	L	6.3123	0.0018	0.010	42		6.30	6.33					1							S
87100	7.852	0.007	7.227	0.006		0.594	0.001	G	0.66	0.00	H	7.2682	0.0009	0.009	131		7.25	7.29					1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
1 2	h m s	±° ′ ″	mag		deg	deg	mas	mas/yr		mas		mas	mas/yr		19	20	21	22	23	24	25	26	27	28	%	
	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18											29	30
87101	17 47 46.16	−09 36 16.6	9.68	G	266.942 339 97	−09.604 616 27	10.61	−144.69	−209.48	1.39	0.90	1.53	1.93	1.07	+12	−22	−21	+10	+ 0	−21	− 5	−13	+ 2	+ 3	0	−0.56
87102	17 47 47.55	−34 18 38.4	6.94	H	266.948 121 12	−34.310 668 66	3.99	2.24	−4.51	0.92	0.59	1.08	0.95	0.57	+11	−48	−28	+26	−20	−16	−10	+59	−19	+ 1	0	−1.71
87103	17 47 50.75	−65 50 40.8	9.12	H	266.961 453 91	−65.844 664 26	3.94	−13.35	−33.69	0.75	0.97	1.37	0.95	1.06	−15	− 4	−13	+ 4	−13	+15	− 9	+ 9	−16	− 5	1	1.26
87104 H	17 47 51.56	−44 32 36.8	8.29	H	266.964 819 71	−44.543 567 62 A	6.07	−17.89	−22.39	1.87	1.31	1.61	1.95	1.25	−10	−11	−22	+34	−35	− 3	−25	+49	−12	−23	2	0.04
87105	17 47 52.06	+34 16 40.4	6.61	H	266.966 913 72	+34.277 881 81	2.40	−1.47	−3.79	0.43	0.46	0.57	0.47	0.52	+ 3	−17	− 8	− 3	+15	− 7	+13	+ 9	− 2	+12	1	0.81
87106	17 47 52.48	−48 23 52.2	9.73	H	266.968 681 67	−48.397 821 10	13.00	−12.29	−72.86	1.39	1.09	1.66	1.68	1.16	− 3	−13	− 7	+13	−26	−20	−22	+33	−16	+ 0	0	0.87
87107	17 47 52.77	+06 24 09.3	7.47	2 H	266.969 859 19	+06.402 573 35	1.86	−26.25	−59.54	0.74	0.55	1.03	0.79	0.58	−10	−19	−21	+ 7	+31	− 4	+33	+38	−37	−18	0	0.60
87108	17 47 53.57	+02 42 26.9	3.75	G	266.973 225 15	+02.707 458 75	34.42	−23.15	−75.12	0.82	0.59	0.99	0.88	0.64	+29	−54	−22	−18	−30	+31	−17	−27	+ 0	+30	0	−0.33
87109	17 47 54.18	−28 37 36.0	10.20	G	266.975 753 87	−28.626 659 28	4.10	−3.61	−2.19	1.84	1.14	2.03	2.32	1.49	− 7	−43	−20	+ 8	−14	+12	− 8	+19	− 3	−34	0	−0.18
87110	17 47 54.41	+36 00 05.9	7.58	H	266.976 697 93	+36.001 630 62	4.69	1.08	−28.94	0.52	0.50	0.64	0.63	0.57	+13	−10	− 5	+18	+15	−20	+13	+13	+ 4	+19	1	−0.56
87111	17 47 55.02	+64 05 54.3	9.32	H	266.979 234 52	+64.098 424 52	3.23	−7.50	−19.09	0.70	0.77	0.78	0.73	0.91	+ 0	−15	− 8	−12	+ 3	+15	− 1	+ 7	+17	+16	0	0.67
87112	17 47 55.90	+03 34 28.9	8.81	H	266.982 928 17	+03.574 696 15	−0.18	15.24	−2.71	1.46	1.00	1.81	1.29	0.98	+50	−67	−47	−28	−19	+31	+ 2	−24	− 3	+46	0	2.19
87113	17 47 56.17	+14 45 13.1	7.88	H	266.984 057 07	+14.753 633 43	1.01	0.48	−18.31	0.73	0.62	1.01	0.84	0.67	+17	− 7	+ 1	+16	+40	+ 1	+39	+27	+ 2	+10	0	−1.85
87114	17 47 56.69	+36 33 18.6	6.51	2 H	266.986 218 97	+36.555 162 84	3.25	20.26	−8.92	0.45	0.49	0.58	0.51	0.61	+ 4	− 3	+ 5	+20	+11	− 1	+ 9	+16	+ 1	+ 6	0	−1.76
87115	17 47 57.08	+01 32 30.3	8.69	H	266.987 838 12	+01.541 751 71	1.64	−3.19	−0.42	1.16	0.90	1.22	1.49	1.15	+37	−35	−17	−30	−27	− 6	−25	−49	+ 6	+52	0	−0.82
87116	17 47 57.69	−34 01 03.0	7.20	G	266.990 392 67	−34.017 498 97	37.19	−205.14	−565.43	1.01	0.64	1.15	1.06	0.63	+ 2	−48	−23	+32	−23	−16	−14	+60	−16	− 5	0	−0.21
87117	17 47 57.92	+36 07 00.7	7.61	H	266.991 317 76	+36.116 867 54	10.67	24.81	67.85	0.53	0.54	0.64	0.62	0.60	+ 8	− 5	− 2	+19	+17	−14	+16	+13	+10	+16	0	−0.12
87118	17 47 58.57	+39 58 49.8	7.61	1 H	266.994 029 03	+39.980 494 43	5.84	−11.71	129.87	0.51	0.62	0.64	0.56	0.77	−10	+ 2	−12	+12	−13	+ 7	−10	+33	−26	−14	0	0.67
87119	17 47 59.37	+47 35 02.2	6.80	H	266.997 366 61	+47.583 940 41	5.71	1.88	−32.25	0.49	0.47	0.54	0.53	0.54	+ 7	−20	− 7	− 7	+ 3	− 6	+ 5	+ 1	−11	+ 7	0	−0.33
87120	17 48 00.13	+09 46 55.5	7.28	H	267.000 557 52	+09.782 087 23	2.22	1.05	−6.38	0.72	0.55	0.83	0.74	0.54	−25	+17	−15	−22	+49	−24	+45	+ 4	+ 8	−13	0	0.82
87121	17 48 00.47	−37 10 22.7	9.70	H	267.001 974 61	−37.172 978 76	7.65	−16.80	−8.73	1.64	1.10	1.78	1.86	1.07	+ 1	−29	−11	+13	−33	− 3	−24	+47	− 4	− 9	0	−1.57
87122	17 48 00.79	−22 40 29.7	9.73	H																						
87123	17 48 01.09	+32 39 20.9	8.35	H	267.004 561 27	+32.655 799 75	6.49	−27.49	20.35	0.58	0.68	0.86	0.67	0.77	+13	− 2	− 7	+ 3	+ 6	−27	+ 5	+11	− 6	+14	1	0.03
87124	17 48 01.43	+44 06 24.8	7.70	H	267.005 945 43	+44.106 894 71	13.33	−25.64	24.01	0.58	0.56	0.66	0.68	0.71	+ 1	+ 6	− 6	−11	− 5	− 5	− 1	+24	−26	−13	0	−0.32
87125	17 48 01.63	−43 26 36.0	8.17	H	267.006 775 61	−43.443 346 20	7.73	−18.69	13.33	1.19	0.85	1.36	1.64	0.93	− 3	+ 0	−10	+ 5	−31	−30	−28	+24	−11	−14	2	1.59
87126	17 48 04.60	−67 23 00.2	8.21	H	267.019 146 40	−67.383 383 18	5.46	10.51	−24.50	0.54	0.68	1.07	0.69	0.79	+16	− 8	−10	+25	−24	− 2	−21	+16	− 7	+10	0	−1.36
87127	17 48 06.37	−66 12 15.3	7.82	H	267.026 528 55	−66.204 245 28	2.47	1.96	−4.79	0.53	0.66	0.91	0.64	0.74	−28	− 7	− 2	− 5	− 4	+ 3	− 1	− 2	−25	−12	1	1.10
87128	17 48 06.53	−27 26 46.3	9.68	G	267.027 215 49	−27.446 195 98	2.15	5.27	−27.06	1.60	1.02	1.69	1.92	1.31	−19	−43	−19	+28	− 8	−15	−17	+16	+11	−55	0	−0.11
87129	17 48 06.62	−18 17 28.4	9.63	G	267.027 572 69	−18.291 214 81	5.53	−3.08	− 8.46	1.39	0.90	1.36	1.43	0.91	−37	−37	− 5	−37	+44	− 4	+39	−65	+ 3	−41	0	−0.79
87130	17 48 07.60	+40 35 31.9	7.93	H	267.031 679 14	+40.592 188 92	4.06	−2.75	−12.54	0.55	0.59	0.67	0.61	0.78	− 5	+ 6	−14	+21	− 5	− 2	− 7	+27	−21	−10	0	−0.34
87131	17 48 08.98	−69 33 36.5	7.93	H	267.037 424 91	−69.560 137 94	2.75	4.10	−29.68	0.46	0.65	0.93	0.48	0.76	+10	−11	− 4	−30	−22	+ 4	−23	− 5	+ 8	+ 4	0	0.36
87132	17 48 10.24	+06 16 17.5	9.27	G	267.042 655 21	+06.271 526 73	0.81	−3.42	−2.50	1.02	0.75	1.43	1.03	0.78	− 7	−25	− 8	+12	+31	− 5	+34	+36	−34	− 5	0	0.18
87133 H	17 48 11.04	−46 30 14.0	10.31	H	267.046 020 60	−46.503 894 42 A	3.65	1.16	1.52	5.70	4.44	3.30	3.43	2.31	− 5	−24	−13	+32	− 9	−11	− 3	+36	−12	−15	1	0.26
87134	17 48 11.25	−34 34 55.0	7.78	H	267.046 890 60	−34.581 939 50	2.86	3.01	−2.35	1.07	0.72	1.23	1.15	0.73	+22	−46	−20	+34	+ 2	−18	+ 7	+66	−17	+26	0	−1.24
87135	17 48 13.04	+38 13 58.0	7.78	H	267.054 333 12	+38.232 773 66	18.90	58.89	−77.03	0.53	0.57	0.66	0.61	0.64	+ 0	− 1	+ 1	+14	+11	−21	+12	+ 4	+ 3	+ 4	0	−0.64
87136 H	17 48 14.04	−28 00 53.1	9.20	2 G	267.058 495 84	−28.014 745 20 *	−0.12	1.41	−7.18	1.39	0.90	1.48	1.76	1.20	− 8	−39	−22	+37	− 6	−15	−17	+26	+18	−49	0	−0.17
87137	17 48 14.31	−51 26 50.8	8.49	G	267.059 625 60	−51.447 453 56	8.64	7.37	−0.49	1.00	0.65	1.11	1.24	0.72	−49	−30	+ 8	+28	−41	+13	−39	+14	+13	−39	0	−1.75
87138	17 48 14.56	−65 34 14.3	7.90	H	267.060 648 02	−65.570 637 85	2.78	−0.67	−16.19	0.64	0.67	0.90	0.72	0.76	− 7	−13	−14	+ 1	−14	+13	−12	− 1	−10	−11	0	1.15
87139 H	17 48 14.66	−36 43 50.2	8.40	H	267.061 100 23	−36.730 605 36 A	1.92	−0.58	−2.76	3.01	2.03	2.69	2.82	1.66	+50	−28	−14	+ 2	−34	+24	− 9	+45	+ 3	−13	1	1.12
87140	17 48 15.08	−35 53 42.9	7.10	H	267.062 846 79	−35.895 239 74	4.75	−12.68	−25.31	0.88	0.64	0.93	1.05	0.67	− 8	−24	− 4	+41	−11	+ 3	−13	+65	+ 6	+ 2	0	−0.06
87141	17 48 15.34	+08 01 56.1	8.95	H	267.063 913 45	+08.032 239 73	3.69	−0.63	− 3.98	0.92	0.68	1.25	0.92	0.64	−20	−21	+ 4	+ 6	+42	− 2	+39	+36	−31	−11	0	0.19
87142	17 48 15.97	−67 41 45.1	7.84	H	267.066 521 46	−67.695 855 24	12.86	−8.62	−93.49	0.50	0.59	0.97	0.72	0.73	+12	− 6	− 9	+38	−27	+ 8	−20	+14	− 1	+18	0	−0.22
87143	17 48 16.11	−01 00 59.6	7.70	H	267.067 108 18	−01.016 550 08	3.76	5.98	− 2.55	0.90	0.70	0.95	1.06	0.77	+31	−22	−13	−10	−32	+ 4	−27	−38	−10	+29	0	0.91
87144	17 48 16.82	−32 40 15.8	7.36	H	267.070 064 10	−32.671 061 66	8.95	−25.53	−39.23	1.03	0.69	1.02	1.30	0.81	+35	−35	−22	+36	+16	−17	+12	+39	+ 1	+26	0	−0.14
87145	17 48 17.22	+54 59 30.0	8.49	H	267.071 757 91	+54.991 678 23	14.14	−18.91	32.19	0.68	0.70	0.71	0.74	0.94	+ 9	− 4	−13	+21	+ 8	− 6	+ 8	+33	−15	+12	0	−0.35
87146	17 48 17.28	−47 15 18.4	7.11	H	267.071 992 73	−47.255 123 61	7.26	2.22	6.32	0.93	0.70	1.01	1.00	0.67	−26	−24	−31	+45	−47	+ 9	−38	+51	−20	−44	0	0.76
87147	17 48 18.41	+07 10 53.5	9.17	G	267.076 707 68	+07.181 521 00	17.89	−185.66	−221.89	0.92	0.69	1.44	0.95	0.72	−26	− 2	−21	− 5	+30	+ 5	+26	+30	−48	−25	0	0.89
87148	17 48 18.56	−42 42 09.5	9.10	H	267.077 327 25	−42.702 638 74	−1.18	0.68	−17.35	1.51	1.09	1.65	1.83	1.23	−16	−26	−28	+43	−36	+ 2	−29	+45	−16	−22	2	0.61
87149	17 48 19.22	−01 48 29.7	7.74	H	267.080 081 99	−01.808 256 99	10.02	8.34	0.48	0.87	0.61	0.96	1.02	0.74	+20	−40	−15	+ 7	− 6	+ 7	− 4	+20	+ 7	+27	0	1.73
87150	17 48 20.23	+03 48 15.1	6.22	H	267.084 307 82	+03.804 197 52	1.32	14.59	7.04	1.04	0.68	1.26	0.99	0.75	+53	−72	−46	−33	−29	+30	− 7	−26	− 4	+54	3	1.27
*87151	17 48 20.37	+03 41 34.6	8.94	H	267.084 890 32	+03.692 954 80	4.88	−3.60	4.13	1.63	1.16	1.92	1.52	1.19	+51	−64	−43	−36	−25	+19	−12	−38	+ 0	+51	0	0.07
*87152	17 48 20.36	+33 48 01.4	8.18	H	267.084 852 91	+33.800 388 84	17.91	−69.90	−42.59	0.61	0.72	0.86	0.66	0.90	+ 1	−19	− 9	+15	+ 2	−23	+ 1	+26	− 1	− 3	3	1.98
87153	17 48 21.06	+15 44 00.2	8.54	H	267.087 764 36	+15.733 381 25	2.92	− 8.43	− 5.79	0.78	0.74	1.17	0.93	0.86	+12	−18	+ 4	+10	+34	+25	+36	+29	−17	+ 1	0	−0.57
87154	17 48 22.23	−60 39 38.3	8.35	H	267.092 645 01	−60.660 650 00	18.11	−21.53	−26.82	0.76	0.68	0.99	0.91	0.71	− 2	−15	+ 3	−20	− 8	+13	− 5	−44	+13	+17	0	−0.14
87155	17 48 22.46	−35 58 46.5	8.53	H	267.093 566 37	−35.979 574 27	12.16	−10.60	−44.94	1.23	0.91	1.24	1.55	0.96	+ 1	− 8	+ 0	+45	− 8	+ 6	− 7	+66	+ 6	+13	2	1.17
87156	17 48 22.52	−23 13 57.2	7.89	G	267.093 828 12	−23.232 559 53	8.85	15.08	− 9.69	1.02	0.71	1.09	1.26	0.88	−18	−21	−11	+15	−36	−11	−30	+26	−14	−43	0	−0.48
*87157	17 48 24.71	+77 01 44.6	7.51	H	267.102 938 02	+77.029 053 50	9.82	−32.80	73.85	0.53	0.54	0.56	0.59	0.64	− 1	− 4	+ 2	− 5	+10	−12	+13	−26	− 6	+ 5	0	1.78
*87158	17 48 24.75	+20 33 55.5	5.69	H	267.103 135 61	+20.565 427 49	13.04	25.03	5.52	0.45	0.45	0.68	0.67	0.54	− 4	−19	−10	−17	+27	+ 4	+24	+ 9	− 3	−10	0	2.62
*87159	17 48 24.92	−55 47 27.2	8.44	H	267.103 842 00	−55.790 887 80	8.49	−9.97	−54.97	0.92	0.70	1.14	1.11	0.75	− 8	−29	+14	−12	−23	+10	−18	−35	− 1	+ 8	0	−0.98
*87160 H	17 48 23.72	−81 53 43.8	8.20	H	267.098 817 07	−81.895 509 29 A	3.55	−9.07	−27.09	1.92	1.79	2.14	1.83	2.02	+ 8	−41	−14	− 3	−12	− 5	−17	−17	+ 9	−13	2	2.46
87161	17 48 25.56	−16 49 37.8	8.35	H	267.106 493 74	−16.827 157 90	3.36	−5.96	−10.71	1.14	0.59	1.25	1.14	0.59	+32	−40	−13	− 1	+ 4	−17	+ 1	−43	− 2	+27	0	1.30
87162	17 48 26.28	−30 17 58.0	7.99	H	267.109 503 86	−30.299 446 81	13.32	−39.66	−10.58	1.28	0.88	1.20	1.82	1.18	−34	−19	−30	+53	−50	+ 8	−46	+56	−14	−67	0	−0.05
87163	17 48 27.84	−26 58 29.8	6.31	2 H	267.115 987 33	−26.974 931 64	2.87	−1.17	− 5.48	0.81	0.56	0.81	1.04	0.74	−35	−28	−20	+26	−19	+ 0	−18	+30	+ 0	−64	0	−0.63
87164	17 48 28.13	−38 08 00.6	7.20	H	267.117 225 01	−38.133 494 69	2.75	6.37	− 4.37	0.85	0.61	0.93	1.02	0.63	−11	−16	− 3	+31	−20	+ 6	−19	+54	− 2	− 4	0	−0.70
87165	17 48 31.59	−82 46 27.7	8.67	G	267.131 623 39	−82.774 359 06	9.90	32.78	24.06	0.62	0.68	0.82	0.74	0.82	− 3	−18	− 3	+ 6	−14	−20	−17	−10	+ 9	− 8	0	−1.25
87166 H	17 48 33.66	+23 39 09.2	8.28	H	267.140 246 39	+23.652 565 60 A	3.74	−8.17	21.32	0.78	1.21	1.63	0.92	1.40	+ 2	− 1	+ 0	+ 6	+ 6	+ 2	+ 8	− 4	− 4	+ 4	0	0.11
87167	17 48 34.80	−55 21 12.2	7.93	H	267.145 012 31	−55.353 394 55	4.72	17.75	1.26	0.93	0.70	1.08	1.27	0.78	−16	−21	+12	−11	−20	−14	−15	−29	+ 4	−33	0	1.89
87168	17 48 35.15	+39 17 17.7	10.07	H	267.146 450 69	+39.288 262 86	15.77	−35.69	−254.32	1.05	1.06	1.25	1.24	1.36	+15	−11	− 6	+11	+ 7	−12	+ 7	+17	− 4	+15	0	0.81
87169	17 48 35.80	−62 56 16.5	9.03	H	267.149 172 20	−62.937 905 40	9.58	−15.83	−44.18	0.82	0.83	1.24	1.02	0.92	+15	− 2	+ 9	−10	− 6	+ 9	− 7	−25	− 9	+ 6	1	1.37
87170	17 48 36.86	−02 11 46.3	7.79	H	267.153 568 45	−02.196 195 17	1.92	−0.67	0.20	0.84	0.59	0.92	1.03	0.71	+20	−28	−10	+12	+ 1	+16	+ 2	−13	+13	+30	0	0.62
*87171 H	17 48 37.49	−45 01 39.3	8.48	H	267.156 190 64	−45.027 583 94 A	7.43	7.22	19.63	2.22	1.78	1.95	2.51	1.77	−22	−15	−10	+59	−20	+14	−27	+74	+ 3	−13	1	−0.27
*87172	17 48 37.24	+44 49 52.9	8.56	G	267.155 161 94	+44.831 352 93	8.49	5.05	11.78	0.64	0.64	0.73	0.71	0.67	+ 5	+11	+10	− 5	+ 3	−17	+ 4	+ 3	− 3	+ 3	0	0.58
87173	17 48 37.50	−30 28 33.4	8.70	2 H	267.156 248 41	−30.475 956 44	2.21	1.83	−1.96	1.36	0.96	1.30	2.06	1.37	−29	−13	−21	+40	−47	+ 7	−43	+44	−12	−64	3	2.03
87174	17 48 38.08	−55 24 06.6	6.09	H	267.158 683 34	−55.401 826 60	19.58	−21.39	34.56	0.67	0.51	0.78	0.82	0.54	−12	−21	+21	+ 6	−35	− 5	−29	−18	−11	−18	2	1.03
87175	17 48 38.23	−69 55 51.8	7.68	H	267.159 304 21	−69.931 045 06	2.03	−4.96	−13.46	0.37	0.54	0.77	0.38	0.60	+11	−14	− 9	−30	−22	+ 8	−18	+ 1	− 3	− 4	0	1.37
87176 H	17 48 38.63	−18 53 46.3	10.13	H	267.160 960 94	−18.896 197 48 A	8.69	−69.89	−98.36	6.00	4.02	5.08	5.78	3.52	+ 6	−32	−12	−30	+40	−17	+29	−59	+10	−26	0	0.48
87177	17 48 38.78	−10 16 25.8	8.31	H	267.161 591 55	−10.273 822 36	5.13	7.54	−76.73	1.03	0.73	1.22	1.21	0.83	+22	−27	−26	− 2	+ 4	−11	− 8	−33	+24	+ 4	0	0.14
87178	17 48 39.11	+21 04 48.2	8.13	H	267.162 941 88	+21.080 065 84	3.10	1.75	3.16	0.71	0.67	1.06	0.89	0.72	−15	−19	− 9	−30	+29	−15	+24	− 6	−12	− 6	0	0.78
87179	17 48 40.47	+64 45 59.8	7.61	H	267.168 613 30	+64.766 609 88	3.93	−10.86	25.99	0.50	0.52	0.56	0.53	0.54	+ 3	−24	−16	−25	− 7	+ 9	−10	−36	+19	+ 2	0	1.08
87180	17 48 42.19	+23 12 35.5	9.07	H	267.175 784 03	+23.209 859 62	1.84	1.39	− 7.17	0.56	0.78	1.21	0.72	0.88	+ 8	−21	− 9	+36	+ 9	−12	+ 8	+12	+ 2	+12	0	−0.54
87181	17 48 42.74	−39 53 55.6	6.98	H	267.178 070 92	−39.898 787 43	3.95	2.15	− 7.42	0.76	0.56	0.82	0.95	0.66	+ 1	−31	− 6	+26	−10	− 8	−11	+37	+ 4	+ 7	0	0.66
87182	17 48 43.20	+11 42 52.0	9.54	H	267.179 983 81	+11.714 441 64	29.63	4.53	207.79	1.20	0.97	1.44	1.18	1.05	+ 2	−13	−18	− 1	+50	− 5	+50	+27	−24	+15	0	−0.20
87183	17 48 43.22	−60 40 37.0	8.65	H	267.180 088 27	−60.676 943 87	3.63	−13.09	−33.73	0.89	0.72	1.13	1.01	0.80	+13	−26	− 7	−24	−10	+17	− 9	−36	+12	+34	0	0.24
87184	17 48 43.38	+05 42 04.6	7.51	H	267.180 733 88	+05.701 277 41	1.19	− 2.43	− 4.65	0.66	0.54	0.84	0.75	0.65	−25	−24	− 4	+ 5	+20	+ 9	+24	+ 9	−16	− 6	2	0.48
87185	17 48 43.46	−48 14 41.0	8.56	H	267.181 082 15	−48.244 713 48	0.61	−1.68	−11.10	1.38	0.99	1.53	1.54	1.04	+ 7	−22	−20	+29	−26	− 6	−22	+37	−16	+ 7	0	1.94
87186	17 48 43.83	+01 09 51.1	8.90	H	267.182 626 83	+01.164 204 83 A	5.15	−2.79	− 0.95	4.99	3.44	4.05	4.78	3.38	+19	−47	−17	+20	+ 7	−19	+10	−35	− 1	+29	0	1.17
87187	17 48 45.07	+01 09 53.9	11.31	H	267.187 797 09	+01.164 977 68 B	5.15	−2.79	− 0.95	75.84	59.92	4.05	4.78	3.38	−16	− 3	− 1	+ 1	+ 0	−19	+ 1	− 2	− 1	+29	0	1.17
87188	17 48 46.27	+48 50 08.6	7.37	H	267.192 787 94	+48.835 710 21	0.91	5.13	− 1.89	0.58	0.54	0.62	0.64	0.61	+19	−19	− 5	− 4	+ 5	−16	+ 8	+10	−25	+23	0	1.42
87189	17 48 46.42	+16 36 59.1	8.28	1 H	267.193 403 75	+16.616 407 08	3.18	6.40	− 1.10	0.80	0.78	1.09	0.92	0.92	+ 0	−18	− 4	+39	+16	− 6	+18	+48	− 3	−18	0	0.48
87190	17 48 47.22	+45 41 59.5	8.22	2 H	267.196 738 87	+45.699 872 39 *	3.12	− 4.06	−16.63	0.68	0.65	0.76	0.81	0.74	− 5	−21	+17	− 1	− 1	−20	+ 5	− 5	+17	+15	0	1.53
87191	17 48 47.60	−35 03 25.6	7.51	3 H	267.198 327 03	−35.057 118 28	2.14	6.17	0.08	1.05	0.72	1.17	1.31	0.77	+30	−39	−18	+11	− 3	− 5	− 2	+58	− 8	+41	0	−1.68
87192	17 48 47.88	+19 15 18.0	6.13	H	267.199 495 21	+19.254 994 39	5.33	−8.84	9.13	0.55	0.48	0.75	0.57	0.47	+29	−38	−22	+25	+44	−18	+38	+24	− 4	+12	5	1.47
87193	17 48 48.61	+22 58 24.7	9.03	H	267.202 523 07	+22.973 523 81	−0.02	− 6.79	−22.81	0.61	0.82	1.13	0.78	0.93	+ 6	−12	− 7	+38	+11	− 1	+11	+17	+ 2	+10	0	0.46
87194	17 48 49.15	+25 37 22.7	5.09	1 G	267.204 787 91	+25.622 962 16	15.94	− 3.67	−38.51	0.35	0.43	0.61	0.48	0.53	+ 6	− 1	−19	+ 7	+ 5	− 1	+ 4	+12	−12	+15	0	0.75
87195	17 48 51.27	−40 18 01.5	9.04	H	267.213 620 59	−40.300 423 59	5.78	17.15	0.67	1.40	1.06	1.47	1.99	1.27	+ 4	−21	−16	+28	−20	−12	−16	+43	−17	+21	0	0.10
87196	17 48 51.34	−33 51 45.1	8.65	H	267.213 930 87	−33.862 514 11	−0.08	6.24	− 1.17	1.29	0.88	1.48	1.47	0.89	+13	−46	−34	+32	−15	−12	− 6	+56	−17	− 1	0	−0.03
87197	17 48 51.49	+36 34 37.5	9.12	H	267.214 526 44	+36.577 090 35	5.77	− 6.77	7.54	0.79	0.76	0.90	0.98	0.89	+10	+ 3	− 4	+43	+11	+ 8	+12	+10	− 2	+13	1	1.47
87198	17 48 51.62	−39 25 48.8	8.42	G	267.215 097 81	−39.430 234 66	14.14	−12.77	−47.00	1.06	0.69	1.17	1.19	0.79	+ 1	−43	− 1	+22	− 5	+ 7	− 9	+45	+ 7	+14	2	1.01
87199	17 48 51.88	+79 19 57.1	7.51	H	267.216 185 70	+79.332 529

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data										Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags		AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61		62	63	64	65	66	67	68-70
87101	10.508	0.044	9.732	0.036		0.672	0.031	G	0.73	0.03	H	9.8122	0.0032	0.019	68		9.77	9.86		C			1								G
87102	6.932	0.005	6.935	0.007		0.002	0.008	T	0.02	0.01	L	6.9471	0.0008	0.006	87		6.94	6.96		C			1								S
87103	10.418	0.030	9.219	0.018		1.026	0.027	T	1.00	0.02	L	9.2884	0.0028	0.025	137		9.25	9.33					1								
87104	9.976	0.032	8.468	0.017	*	1.268	0.028	T	1.23	0.03	L *	8.4484	0.0015	0.014	64	*	8.42	8.47		D	17479−4433	I 1	2 C	A	AB	105	0.611	0.016	2.40	0.07	
87105	6.419	0.003	6.586	0.004		−0.144	0.004	T	−0.14	0.01	L	6.5647	0.0008	0.009	135		6.55	6.58			17479+3417	I 1	1								S
87106	10.687	0.064	9.792	0.047		0.781	0.061	T	0.82	0.04	L	9.8663	0.0026	0.018	58		9.83	9.90		C			1								G
87107	9.551	0.017	7.707	0.008		1.565	0.015	T	2.60	0.03	O	7.4627	0.0028	0.033	129		7.41	7.51		U 2			1	S							S
87108	3.807	0.003	3.751	0.002		0.043	0.004	G	0.05	0.02	A	3.7637	0.0005	0.004	66		3.75	3.77		C			1								S
87109	11.138	0.086	10.283	0.062		0.652	0.015	G	0.72	0.01	H	10.3310	0.0036	0.023	56		10.28	10.37		C			1								G
87110	7.766	0.006	7.589	0.008		0.170	0.009	T	0.19	0.01	L	7.6355	0.0007	0.010	133		7.62	7.65					1								S
87111	9.600	0.018	9.317	0.020		0.269	0.025	T	0.30	0.03	L	9.3896	0.0018	0.021	119		9.34	9.43		C			1								
87112	10.762	0.066	8.975	0.025		1.488	0.056	T	1.51	0.08	L	8.9442	0.0028	0.020	58		8.92	9.00					1								
87113	9.230	0.012	7.998	0.008		1.052	0.011	T	1.02	0.01	L	8.0442	0.0015	0.013	122		8.02	8.07		C			1								
87114	8.675	0.009	6.722	0.004		1.655	0.008	T	2.15	0.03	O	6.5798	0.0036	0.042	146		6.47	6.66		U 2			1 G								S
87115	9.096	0.017	8.722	0.018		0.354	0.023	T	0.42	0.03	L	8.7763	0.0026	0.015	58		8.75	8.81		C			1								S
87116	8.098	0.013	7.246	0.014		0.748	0.015	T	0.74	0.02	A	7.3274	0.0011	0.008	86		7.31	7.34		C			1								S
87117	8.663	0.010	7.717	0.008		0.834	0.010	T	0.85	0.01	L	7.7682	0.0013	0.014	147		7.75	7.80		C			1								S
87118	7.831	0.007	7.628	0.008		0.194	0.010	T	0.21	0.01	L	7.6684	0.0016	0.017	129		7.64	7.70		U			1 G								S
87119	8.155	0.009	6.936	0.006		1.042	0.008	T	1.01	0.01	L	6.9699	0.0009	0.008	119		6.96	6.99		C			1								S
87120	7.514	0.006	7.317	0.006		0.188	0.008	T	0.21	0.01	L	7.3468	0.0011	0.010	107		7.33	7.36					1								S
87121	10.451	0.070	9.774	0.061		0.615	0.070	T	0.68	0.06	L	9.8283	0.0022	0.020	65		9.80	9.87		C			1								G
87122											T	9.8620	0.0029	0.018	48		9.81	9.92		D	17480−2241	I 1		S							G G
87123	9.601	0.018	8.452	0.012		0.987	0.017	T	0.97	0.01	L	8.5107	0.0020	0.019	131		8.47	8.55					1								
87124	8.748	0.011	7.788	0.008		0.844	0.010	T	0.86	0.01	L	7.8540	0.0014	0.011	109		7.83	7.87		C			1								S
87125	8.929	0.017	8.209	0.015		0.648	0.017	T	0.71	0.01	L	8.3023	0.0027	0.018	62		8.27	8.33					1								S
87126	8.419	0.006	8.233	0.007		0.171	0.009	T	0.19	0.01	L	8.2673	0.0015	0.018	222		8.24	8.30					1								S
87127	7.707	0.006	7.810	0.007		−0.089	0.008	T	−0.07	0.01	L	7.7961	0.0013	0.015	160		7.77	7.82					1								S
87128	10.275	0.059	9.847	0.067		0.563	0.015	G	0.64	0.01	H	9.7957	0.0037	0.022	54		9.74	9.83					1								G
87129	10.204	0.031	9.630	0.030		0.445	0.001	G	0.51	0.00	H	9.7463	0.0027	0.018	96		9.70	9.77					1	S							G
87130	8.208	0.009	7.946	0.010		0.249	0.013	T	0.28	0.02	L	8.0016	0.0016	0.017	121		7.97	8.03					1								S
87131	9.499	0.011	8.063	0.006		1.212	0.010	T	1.17	0.01	L	8.0925	0.0010	0.016	250		8.06	8.12					1								
87132	9.416	0.016	9.269	0.020		0.127	0.017	G	0.14	0.02	H	9.3329	0.0019	0.020	116		9.30	9.36		C	17482+0617	I 1	1								G
87133	11.047	0.085	10.494	0.085	*	0.518	0.107	T	0.59	0.11	L *	10.4230	0.0043	0.032	59	*	10.37	10.47		D	17482−4630	I 1	2 C	A	AB	140	0.337	0.011	0.83	0.11	G
87134	7.774	0.011	7.778	0.017		0.101	0.015	G	0.02	0.01	L	7.7864	0.0015	0.008	82		7.77	7.80		C			1								S
87135	8.548	0.009	7.848	0.008		0.647	0.015	G	0.71	0.01	H	7.9105	0.0010	0.011	119		7.89	7.93		C			1								S
87136	11.147	0.135	9.362	0.044	*	1.170	0.020	G	1.13	0.02	H *	9.0185	0.0053	0.037	61	*	8.93	9.06		U 2	17482−2801	H 1	2 C	S A	AB	353	0.147	0.009	0.63	0.60	G
87137	8.993	0.011	8.547	0.011		0.451	0.015	G	0.52	0.02	H	8.5848	0.0011	0.015	147		8.56	8.61		C			1								
87138	7.835	0.007	7.901	0.010		−0.056	0.011	T	−0.03	0.01	L	7.8836	0.0018	0.014	114		7.86	7.92					1								S
87139	8.654	0.019	8.651	0.025	A	0.000	0.495	G	0.03	0.03	L *	8.4129	0.0021	0.015	75	*	8.39	8.44		D	17482−3644	I 1	2 C	A	AB	28	1.335	0.011	0.64	0.02	
87140	7.031	0.006	7.080	0.008		−0.042	0.009	T	−0.02	0.01	L	7.0942	0.0012	0.008	82		7.08	7.11		C			1								S
87141	9.101	0.013	8.969	0.016		0.127	0.019	T	0.14	0.02	L	8.9992	0.0014	0.016	136		8.97	9.03		C			1								
87142	8.287	0.006	7.871	0.006		0.393	0.008	T	0.46	0.01	L	7.9283	0.0010	0.014	256		7.91	7.96		C			1								S
87143	9.753	0.024	7.868	0.011		1.566	0.021	T	1.58	0.02	L	7.8152	0.0019	0.011	58		7.79	7.84					1								
87144	7.534	0.012	7.386	0.010		0.135	0.015	T	0.15	0.01	L	7.4137	0.0012	0.008	59		7.40	7.43					1								S
87145	9.075	0.014	8.541	0.013		0.501	0.017	T	0.57	0.02	L	8.6013	0.0017	0.015	103		8.58	8.64		C			1								S
87146	7.283	0.007	7.130	0.009		0.147	0.011	T	0.16	0.01	L	7.1686	0.0011	0.008	55		7.16	7.18		C			1								S
87147	10.130	0.025	9.285	0.019		0.797	0.002	G	0.84	0.00	H	9.3243	0.0021	0.016	122		9.30	9.34					1								
87148	9.478	0.025	9.124	0.028		0.344	0.033	T	0.40	0.04	L	9.1794	0.0035	0.023	66		9.14	9.21					1								
87149	8.083	0.012	7.782	0.012		0.309	0.001	G	0.35	0.00	H	7.8215	0.0015	0.011	64		7.80	7.84		C			1								S
87150	6.391	0.005	6.243	0.006		0.135	0.007	T	0.15	0.01	L	6.2738	0.0014	0.009	57		6.26	6.29		C			1								S
87151	9.615	0.026	9.012	0.024		0.562	0.031	T	0.64	0.03	L	9.0587	0.0030	0.015	56		9.03	9.08		C			1								
87152	8.949	0.012	8.265	0.010		0.632	0.013	T	0.70	0.01	L	8.3164	0.0015	0.016	131		8.29	8.35		C			1	S							S
87153	10.076	0.021	8.665	0.012		1.192	0.019	T	1.15	0.02	L	8.7075	0.0016	0.013	124		8.68	8.73		C			1								
87154	9.229	0.016	8.425	0.013		0.711	0.016	T	0.77	0.01	L	8.4832	0.0017	0.018	118		8.45	8.51					1								
87155	9.333	0.021	8.604	0.019		0.654	0.021	T	0.72	0.02	L	8.6664	0.0020	0.014	80		8.64	8.69		C			1	S							
87156	8.338	0.017	7.896	0.016		0.413	0.015	G	0.48	0.02	H	7.9768	0.0014	0.010	56		7.96	8.00		C			1								S
87157	8.230	0.010	7.588	0.008		0.596	0.011	T	0.67	0.01	L	7.6405	0.0008	0.010	124		7.62	7.66		C	17485+7702	I 1	1								S
87158	6.897	0.004	5.799	0.002		0.938	0.004	G	0.93	0.00	H	5.8558	0.0006	0.007	152		5.84	5.87					1								S
87159	8.955	0.015	8.483	0.015		0.445	0.019	T	0.51	0.02	L	8.5410	0.0022	0.015	86		8.52	8.57		C			1								
87160	9.379	0.020	8.283	0.014	*	0.947	0.018	T	0.94	0.01	L *	8.3640	0.0019	0.019	142	*	8.33	8.42		D	17484−8154	I 1	2 C	A	AB	68	9.869	0.005	0.34	0.02	
87161	8.576	0.010	8.374	0.012		0.186	0.015	T	0.20	0.02	L	8.4120	0.0014	0.013	107		8.39	8.43		C			1								
87162	8.639	0.016	8.045	0.014		0.529	0.008	G	0.60	0.01	H	8.1015	0.0013	0.011	57		8.08	8.13		C			1								
87163	6.444	0.008	6.340	0.009		0.094	0.011	T	0.11	0.01	L	6.3462	0.0072	0.051	60		6.29	6.44	2.62	P 1 A			1								S
87164	7.162	0.009	7.177	0.009		0.009	0.011	G	0.00	0.01	L	7.2011	0.0009	0.008	62		7.19	7.22		C			1								S
87165	9.211	0.013	8.696	0.013		0.474	0.007	G	0.55	0.01	H	8.7692	0.0014	0.016	134		8.74	8.79		C			1								
87166	9.714	0.013	8.506	0.009	A	1.000	0.495	G	1.01	0.03	L *	8.4517	0.0013	0.018	269	*	8.42	8.49		D	17486+2339	I 1	2 C	A	AB	238	1.197	0.008	1.87	0.04	S
87167	9.267	0.016	8.058	0.010		1.034	0.015	T	1.01	0.01	L	8.1020	0.0013	0.014	88		8.08	8.12		C			1								
87168	11.376	0.070	10.191	0.040		1.008	0.064	T	1.05	0.08	L	10.2063	0.0036	0.032	118		10.15	10.25					1								G
87169	9.751	0.017	9.097	0.016		0.598	0.017	T	0.67	0.01	L	9.1600	0.0018	0.022	132		9.13	9.20		C	17486−6256	I 1	1								
87170	7.965	0.010	7.806	0.013		0.153	0.015	T	0.17	0.01	L	7.8423	0.0012	0.012	72		7.83	7.87					1								S
87171	8.900	0.027	8.528	0.033	*	0.363	0.037	T	0.42	0.04	L *	8.5629	0.0015	0.014	69	*	8.53	8.59		D	17486−4502	I 1	2 C	A	AB	325	4.021	0.006	1.23	0.03	
87172	9.046	0.013	8.621	0.014		0.456	0.015	G	0.53	0.02	H	8.6545	0.0011	0.016	116		8.63	8.68					1								
87173	10.426	0.053	8.945	0.026		1.247	0.046	T	1.21	0.04	L	8.8289	0.0218	0.212	50		8.70	9.21	9.31	P 1 A			1								
87174	6.424	0.004	6.126	0.004		0.283	0.005	T	0.32	0.01	L	6.1646	0.0008	0.005	85		6.16	6.18					1								S
87175	7.630	0.004	7.677	0.005		−0.040	0.006	T	−0.02	0.01	L	7.6777	0.0008	0.013	279		7.66	7.71					1	S							S
87176	11.229	0.112	10.297	0.076	A	−0.300	0.495	G	0.93	0.07	B *	10.2943	0.0034	0.026	83	*	10.25	10.34		R	17486−1854	I 1	2 C	B	AB	219	3.784	0.085	2.38	0.17	G
87177	9.853	0.024	8.486	0.014		1.158	0.022	T	1.12	0.02	L	8.4819	0.0020	0.014	72		8.46	8.50		C			1								
87178	9.472	0.014	8.239	0.009		1.053	0.013	T	1.02	0.01	L	8.2935	0.0014	0.016	125		8.26	8.32		C			1								
87179	7.664	0.008	7.600	0.008		0.064	0.011	T	0.07	0.01	L	7.6329	0.0010	0.008	108		7.62	7.65		C			1								S
87180	10.296	0.018	9.159	0.012		0.978	0.017	T	0.96	0.01	L	9.2399	0.0017	0.023	251		9.20	9.28					1								
87181	6.932	0.010	6.974	0.011		−0.034	0.014	T	−0.01	0.01	L	6.9747	0.0014	0.008	60		6.96	6.99					1								S
87182	11.036	0.057	9.675	0.028		1.153	0.050	T	1.12	0.04	L	9.6988	0.0041	0.032	95		9.66	9.77		R			1								
87183	10.036	0.026	8.796	0.016		1.058	0.024	T	1.02	0.02	L	8.8206	0.0018	0.017	114		8.79	8.85		C			1								
87184	7.492	0.005	7.507	0.007		−0.012	0.008	T	0.01	0.01	L	7.5131	0.0015	0.012	123		7.50	7.54					1								S P
87185	9.754	0.027	8.713	0.019		0.905	0.025	T	0.91	0.02	L	8.7174	0.0020	0.019	58		8.68	8.74			17487−4815	I 1	1	S							
87186	10.370	0.055	8.977	0.029	A	1.178	0.049	T	1.14	0.04	L	9.0660	0.0516	0.036	57	A	9.01	9.12		D	17487+0110	I 2	1 C	P D							D
87187	11.656	0.131	11.138	0.133	B	0.486	0.169	T	0.56	0.18	L	10.4741	0.1668			B				D	17487+0110	I 2	1 C	F D							D
87188	9.158	0.014	7.505	0.007		1.382	0.012	T	1.35	0.01	L	7.5149	0.0012	0.011	103		7.50	7.54		C			1								S
87189	10.279	0.028	8.418	0.011		1.547	0.024	T	1.61	0.05	L	8.3932	0.0023	0.023	109		8.35	8.42		U			1								
87190	9.852	0.021	8.399	0.012		1.243	0.020	T	3.74	0.07	O	7.8032	0.0262	0.176	114		7.60	8.06	59.54	P 1 A			1 V								
87191	7.659	0.019	7.545	0.019		0.111	0.025	T	0.12	0.03	L	7.5560	0.0078	0.131	81		7.45	8.28	7.71	P 1 A			1	S							
87192	6.160	0.003	6.134	0.003		0.024	0.004	T	0.04	0.00	L	6.1458	0.0005	0.008	134		6.13	6.16		C			1								S
87193	11.118	0.038	9.202	0.013		1.625	0.033	T	1.70	0.09	O	9.1318	0.0020	0.025	220		9.08	9.18					1								
87194	6.579	0.003	5.226	0.002		1.141	0.011	G	1.09	0.03	C	5.2614	0.0007	0.008	170		5.25	5.27		M			1								S
87195			9.328	0.029		0.385	0.100	G	0.51	0.10	L	9.1427	0.0017	0.020	60		9.11	9.18		C			1								
87196	8.935	0.017	8.750	0.021		0.170	0.026	T	0.19	0.03	L	8.7020	0.0048	0.028	74		8.66	8.75					1								
87197	9.475	0.014	9.161	0.015		0.298	0.019	T	0.34	0.03	L	9.1945	0.0017	0.022	139		9.16	9.23		C			1								
87198	8.986	0.022	8.432	0.022		0.474	0.015	G	0.55	0.02	H	8.5257	0.0019	0.013	75		8.50	8.55		C			1								
87199	7.945	0.009	7.544	0.010		0.379	0.012	T	0.44	0.01	L	7.5999	0.0011	0.011	104		7.58	7.62					1								S
87200	9.027	0.014	8.568	0.013		0.433	0.018	T	0.50	0.02	L	8.6482	0.0015	0.015	101		8.62	8.68		C			1								S

17719 | 14374

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%) δ α*	π α*	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
87201	17 48 57.21	+04 57 47.8	10.28	H	267.238 370 57	+04.963 265 72 B	0.84	1.30	−14.91	30.49	23.33	15.23	22.35	16.49	−11	−25	−23	+11	+26	−10	+24	+10	+ 0	− 2	1	0.56
87202	17 48 57.84	+04 58 03.5	7.51	H	267.241 007 01	+04.967 639 81 A	10.90	−2.65	−34.53	1.43	1.15	1.38	1.53	1.26	− 6	−23	−25	+20	+31	−18	+26	+24	− 1	+ 2	1	0.56
87203	17 48 57.88	−59 23 10.3	8.32	H	267.241 150 72	−59.386 184 86	3.61	−1.62	−11.23	0.72	0.64	0.94	0.78	0.62	−18	−13	− 7	−10	+11	+ 9	+12	−47	+12	−10	0	−0.20
87204 H	17 48 58.27	+37 03 43.0	7.18	H	267.242 805 45	+37.061 934 24 *	18.80	58.49	−84.25	0.51	0.56	0.63	0.58	0.70	− 9	+ 2	−11	+15	−10	+ 6	−11	+35	−10	− 8	0	−1.20
87205	17 48 59.14	+13 30 07.5	9.54	H	267.246 430 51	+13.502 084 20	1.96	10.87	5.67	0.97	0.83	1.16	1.00	0.89	−27	−14	+ 4	− 2	+38	+10	+38	− 1	+ 0	−16	0	0.36
87206	17 49 00.01	−46 56 26.7	9.77	H	267.250 051 40	−46.940 736 26	−1.43	4.77	−3.69	1.49	1.15	1.66	1.70	1.17	−11	−28	−21	+39	−26	− 2	−21	+52	− 9	−23	0	−0.65
87207 H	17 49 01.11	−16 14 59.6	9.02	G	267.254 615 64	−16.249 898 63 A	24.29	3.26	−34.05	1.97	1.22	2.01	1.94	1.04	+42	−23	−14	− 6	+ 7	−31	− 7	−55	+ 3	+29	0	0.41
87208	17 49 01.46	−57 43 42.6	8.60	H	267.256 091 81	−57.728 504 13	−0.21	−9.02	−4.85	1.13	0.85	1.24	1.16	0.78	+17	−20	+12	−45	−20	−17	−14	−66	−13	+28	0	−1.56
87209	17 49 02.03	+68 20 30.6	7.70	H	267.258 472 66	+68.341 832 60	2.57	7.13	−2.15	0.59	0.63	0.61	0.64	0.70	+24	−12	− 5	−30	−13	− 9	−13	−32	− 6	+39	3	−0.74
87210	17 49 02.29	+54 11 39.5	6.60	H	267.259 532 33	+54.194 298 54	9.01	2.28	35.65	0.53	0.48	0.54	0.57	0.58	− 1	+ 3	− 7	+12	+11	−14	+11	+11	−13	− 4	0	0.15
87211	17 49 03.96	+62 47 55.2	6.70	H	267.266 497 08	+62.798 665 72	19.34	−71.42	66.75	0.56	0.56	0.55	0.64	0.67	+10	−13	− 4	+37	+13	− 2	+14	+26	− 1	+18	0	−0.61
87212	17 49 04.33	+50 46 50.0	5.02	H	267.268 057 64	+50.780 544 78	15.03	−51.89	218.15	0.41	0.44	0.47	0.53	0.56	+ 6	− 8	− 3	−12	− 6	+16	− 4	−17	−15	+ 5	0	0.66
87213	17 49 04.52	−11 20 29.1	8.89	H	267.268 813 63	−11.341 429 18	4.94	−33.07	−20.83	1.39	0.91	1.66	1.58	1.00	+19	−16	−10	−19	+ 0	−38	−13	−48	+ 4	−15	0	1.58
87214	17 49 05.05	−47 42 09.3	8.44	H	267.271 047 74	−47.702 576 95	9.04	2.49	14.10	1.15	0.87	1.25	1.24	0.87	− 7	−26	−28	+32	−32	+ 8	−25	+45	− 9	−26	3	3.60
87215	17 49 06.12	+63 02 59.0	8.65	H	267.275 514 12	+63.049 718 71	3.88	−6.69	17.64	0.74	0.70	0.76	0.91	0.88	+19	−17	−15	+15	+10	+17	+10	+11	+17	+28	0	0.90
87216	17 49 06.51	−23 26 51.7	9.22	H	267.277 112 28	−23.447 681 05	4.12	−12.43	−24.33	1.39	0.93	1.55	1.81	1.17	−25	−19	−23	+12	−14	−18	−17	+16	− 2	−46	0	−0.20
87217	17 49 07.18	−71 05 43.0	7.49	H	267.279 932 59	−71.095 275 65	4.08	9.26	−7.71	0.38	0.57	0.80	0.44	0.64	+ 0	−12	−11	+ 9	−14	− 3	−15	+ 0	− 2	−12	0	0.58
*87218 H	17 49 07.99	−36 31 23.8	8.40	G	267.283 291 02	−36.523 270 59 A	0.44	1.05	−3.77	2.65	1.87	2.56	2.75	1.57	+19	−26	−15	+ 8	−20	+13	−11	+39	+ 1	+13	2	−0.71
*87219	17 49 07.93	+08 16 08.7	8.58	H	267.283 055 14	+08.269 073 28	1.91	−0.50	1.07	0.85	0.69	1.12	0.93	0.61	−16	−12	+17	+10	+42	−14	+36	+42	+ 0	− 8	0	1.72
87220	17 49 10.47	−31 42 11.5	4.79	H	267.293 638 80	−31.703 184 35	5.37	4.22	−7.89	0.73	0.54	0.78	0.97	0.76	−13	−25	− 7	+24	+ 7	+ 3	+ 0	+20	+26	−25	0	−0.10
87221 H	17 49 11.01	−33 15 00.8	9.84	2 G	267.295 892 33	−33.250 229 61 *	−5.82	3.04	0.73	1.36	0.94	1.53	1.58	1.01	+27	−48	−41	+21	− 7	−13	− 8	+26	− 2	− 8	0	2.29
87222	17 49 11.79	+20 11 49.7	8.16	H	267.299 113 20	+20.197 151 14	9.06	−20.20	47.66	0.77	0.67	1.10	0.94	0.81	+ 2	−37	+ 2	+26	+27	+ 0	+25	+33	−10	− 4	1	1.61
87223	17 49 17.31	−30 35 50.4	6.65	H	267.322 111 05	−30.597 342 91	19.78	59.93	−42.81	0.95	0.71	0.81	1.39	0.97	−53	− 3	−18	+52	−53	+19	−49	+55	−18	−70	0	1.46
87224	17 49 19.05	+01 57 40.4	6.44	H	267.329 365 50	+01.961 226 06	9.54	−7.40	77.12	0.88	0.68	0.96	1.12	0.82	+28	−33	−22	−34	−26	+ 5	−18	−48	− 5	+42	0	−1.03
87225	17 49 19.38	+24 10 34.9	7.88	H	267.330 765 13	+24.176 354 69	4.74	−1.54	13.00	0.37	0.61	0.88	0.47	0.77	− 2	− 3	−16	+ 7	+ 1	+ 7	+ 2	+25	−26	+ 4	1	−0.76
87226	17 49 19.67	+46 41 00.0	9.39	H	267.331 941 56	+46.683 344 95	2.57	−2.49	−0.61	0.84	0.75	0.92	0.97	0.88	− 7	−29	− 2	+18	+ 1	−17	+ 7	+ 4	−21	− 1	0	−0.42
87227	17 49 20.65	−23 22 08.9	7.80	H	267.336 047 52	−23.369 149 57	7.46	−12.77	−29.46	0.92	0.62	0.99	1.13	0.75	−21	−22	−11	+17	−22	−12	−19	+21	−10	−44	0	0.81
87228	17 49 20.85	+53 00 54.4	10.14	2 H	267.336 871 64	+53.015 098 76	−1.40	−7.11	−5.89	1.53	1.55	1.66	1.80	1.69	+ 8	− 8	−14	− 3	+10	−10	+ 9	− 9	−11	+ 7	0	
87229	17 49 23.24	−58 05 12.3	9.58	H	267.346 829 20	−58.086 738 19	2.15	−6.28	−21.70	1.35	1.01	1.37	1.47	0.94	+ 4	−18	+ 9	−60	− 5	− 1	− 4	−67	−10	+17	0	−0.88
87230	17 49 23.90	−34 05 40.6	9.03	G	267.349 599 62	−34.094 603 58	3.52	−0.60	−5.49	1.47	1.02	1.70	1.63	1.00	+33	−47	−36	+24	− 4	−17	+ 6	+57	−20	+15	0	−0.06
87231	17 49 24.43	+33 11 22.7	8.29	H	267.351 787 29	+33.189 645 18	8.51	13.11	−10.82	0.57	0.67	0.82	0.64	0.79	+ 5	− 2	−11	+13	+11	−28	+ 9	+ 7	+ 2	+ 1	0	0.03
87232	17 49 24.75	−38 59 01.6	7.01	H	267.353 127 57	−38.983 783 09	2.61	3.35	0.60	0.82	0.57	0.89	0.95	0.62	− 4	−41	−16	+29	−18	+ 6	−16	+56	+ 0	+ 1	0	−0.30
87233	17 49 26.19	−29 26 18.9	8.32	H	267.359 133 93	−29.438 576 93	6.58	6.73	−30.43	1.07	0.78	1.16	1.54	1.02	−20	−11	−33	+26	−32	+11	−28	+32	−11	−52	0	2.36
87234	17 49 26.94	+76 57 44.2	5.02	H	267.362 237 04	+76.962 277 97	31.13	37.33	247.98	0.44	0.47	0.47	0.45	0.54	− 1	− 7	+ 4	−15	+ 6	−18	+10	−28	− 5	+ 6	0	−0.43
87235	17 49 27.23	−20 49 51.2	8.09	H	267.363 453 08	−20.830 883 60	3.46	−4.48	−10.54	1.08	0.80	1.13	1.55	1.09	−30	−11	−21	+18	−22	− 4	−21	+27	− 4	−53	0	−0.41
87236	17 49 27.32	−07 47 05.1	8.97	H	267.363 849 20	−07.784 759 97	6.04	−18.66	−56.06	1.15	0.76	1.30	1.26	0.86	+10	−34	−19	+10	+10	+11	+ 6	− 4	+12	− 5	0	1.30
87237	17 49 28.10	+68 41 19.9	6.92	G	267.367 063 86	+68.688 854 00	9.43	−7.75	70.82	0.56	0.54	0.57	0.66	0.66	+24	−10	− 5	−25	−13	−10	−11	−34	− 7	+40	3	−1.84
87238	17 49 28.36	−29 18 53.0	8.03	H	267.368 180 79	−29.314 735 79	9.95	44.28	−16.83	1.09	0.72	1.17	1.44	0.96	−24	−33	−15	+17	−19	− 2	−11	+27	−15	−50	0	1.46
87239	17 49 28.69	−08 49 23.9	9.90	G	267.369 559 78	−08.823 300 54	8.32	−10.05	−21.63	1.59	1.00	1.76	1.90	1.21	− 3	−35	−11	+11	+ 2	−11	+ 8	−14	−14	+ 8	3	0.89
87240	17 49 29.10	−35 22 41.1	7.34	H	267.371 231 30	−35.378 091 69	4.72	3.72	−4.15	0.84	0.61	0.95	0.98	0.62	− 3	−26	−15	+29	−19	+ 1	−17	+62	− 7	+ 7	0	−0.49
87241	17 49 31.66	−45 39 46.6	8.77	H	267.381 934 17	−45.662 936 66	7.42	−8.75	−16.30	1.36	1.03	1.31	1.59	1.07	−10	−17	−26	+62	−31	+ 9	−24	+66	−17	−29	0	−0.28
87242	17 49 32.75	−69 44 54.2	8.42	H	267.386 449 08	−69.748 375 15	2.22	7.11	−8.13	0.45	0.65	0.91	0.47	0.72	+13	−14	−10	−32	−23	+ 6	−20	+ 0	− 4	+ 1	1	0.15
*87243	17 49 33.92	+56 49 37.6	7.52	H	267.391 331 17	+56.827 120 67	2.47	−6.15	−6.83	0.58	0.60	0.61	0.66	0.75	+ 2	+11	−10	+ 8	+19	+ 1	+21	+12	− 4	−13	0	1.36
*87244	17 49 33.90	+00 54 22.5	7.49	1 H	267.391 266 20	+00.906 245 89	0.62	−0.08	−7.41	0.95	0.68	1.04	1.06	0.79	+ 4	−36	− 4	+14	+21	− 2	+24	−18	+ 7	+29	0	−0.61
87245	17 49 34.30	+20 38 14.4	7.41	1 H	267.392 920 95	+20.637 340 95	2.73	−3.64	−15.25	0.56	0.57	0.85	0.81	0.61	− 2	−19	+ 0	−11	+34	− 1	+23	+22	+ 4	+ 7	0	1.13
87246	17 49 35.62	−20 00 24.0	7.59	H	267.398 407 57	−20.006 678 76	6.25	−10.57	−17.65	0.99	0.66	0.97	1.14	0.69	−43	−10	−20	−39	+51	−21	+43	−61	+18	−53	2	1.50
87247	17 49 35.84	+04 22 36.2	7.51	G	267.399 318 14	+04.376 709 28	10.82	−18.04	−21.49	0.81	0.64	0.97	0.95	0.74	+33	−47	−33	− 8	−18	+25	−10	−21	+ 6	+30	0	−0.71
87248	17 49 39.22	−77 14 16.1	8.57	H	267.413 435 56	−77.237 796 15	1.96	1.66	−13.08	0.59	0.74	0.90	0.58	0.78	+ 6	−20	−13	−20	− 5	− 7	− 4	+ 2	− 1	− 6	0	0.25
87249	17 49 40.61	+39 36 28.0	7.76	H	267.419 193 47	+39.607 786 09	2.84	16.33	−26.08	0.55	0.61	0.67	0.65	0.90	− 3	− 3	+ 2	+ 9	− 3	+ 4	− 2	+29	− 8	+ 7	0	−2.31
87250	17 49 41.79	−29 16 57.3	9.53	G	267.424 112 13	−29.282 584 81	6.43	2.84	21.10	1.60	0.99	1.73	1.98	1.30	−17	−41	−14	+12	−15	+ 1	− 8	+19	−12	−42	3	−1.56
87251	17 49 42.40	+20 55 21.9	7.47	H	267.426 683 44	+20.922 753 80	2.49	9.76	−5.23	0.60	0.55	0.86	0.85	0.60	− 8	−15	− 5	−20	+35	−10	+26	+17	− 7	+ 0	1	1.94
87252	17 49 42.47	+10 52 53.0	10.01	G	267.426 975 77	+10.881 401 06	1.95	−23.96	−9.64	1.06	0.88	1.35	1.11	0.97	−26	−22	+ 1	−17	+32	+ 6	+36	+ 8	−27	−27	0	0.10
*87253	17 49 42.95	−43 34 46.4	10.17	H	267.428 942 01	−43.579 546 47	2.25	2.86	−21.58	2.08	1.51	2.29	2.43	1.76	+ 8	−31	−10	+25	−17	+ 3	−17	+24	+ 6	+ 1	0	0.86
*87254	17 49 42.85	−52 54 59.9	8.04	H	267.428 560 12	−52.916 649 65	3.77	13.09	−73.77	0.91	0.62	1.11	1.02	0.67	−27	−35	+ 3	+21	−37	+17	−36	+ 3	+ 7	−26	0	0.89
87255	17 49 44.88	−42 36 19.0	8.20	2 H	267.436 979 72	−42.605 273 46	1.03	−3.45	−5.18	1.16	0.83	1.31	1.33	0.89	−15	−20	−20	+35	−38	− 1	−31	+37	−18	−18	0	1.10
87256	17 49 45.81	−10 28 29.5	8.97	H	267.440 887 76	−10.474 860 99	8.40	−11.23	−35.25	1.19	0.85	1.39	1.35	0.98	+19	−29	−30	+ 5	− 7	− 9	−21	−23	+20	−20	0	−0.68
87257	17 49 46.90	−41 26 32.4	7.57	1 H	267.445 405 56	−41.442 326 31	1.26	−4.55	−10.33	0.85	0.64	1.02	1.32	0.81	+ 1	− 5	−26	+20	+ 1	−23	− 5	+28	+11	− 2	0	−0.46
87258	17 49 47.95	−76 12 06.7	7.47	H	267.449 790 75	−76.201 853 82	6.05	33.36	−53.16	0.48	0.58	0.71	0.59	0.70	+ 1	−17	+ 3	+ 1	− 6	+ 4	− 5	+22	− 6	− 1	0	−0.62
87259	17 49 50.91	+14 34 49.9	10.32	H	267.462 117 49	+14.580 528 23	1.14	−0.54	−6.41	1.18	1.18	2.04	1.49	1.35	+45	−23	−19	+13	+31	− 9	+35	+34	− 6	+14	3	0.19
87260	17 49 51.35	−53 19 34.0	7.99	H	267.463 963 67	−53.326 105 94	7.41	−10.14	−11.32	0.86	0.59	1.01	0.94	0.65	−35	−39	+11	+25	−31	+ 9	−31	+13	+ 9	−29	0	−0.52
87261	17 49 51.45	−37 02 36.1	3.19	H	267.464 380 20	−37.043 371 05	25.71	42.09	27.77	0.83	0.59	0.87	0.91	0.57	−20	−29	−18	+37	−40	+ 2	−34	+59	− 7	−27	4	−0.98
87262	17 49 51.50	+02 57 48.0	8.00	H	267.464 570 98	+02.963 331 25	3.88	−10.52	−13.63	0.99	0.89	1.26	1.22	1.04	+25	−40	−12	−35	−25	+34	−12	−51	+ 1	+49	0	0.65
87263	17 49 52.54	+31 02 14.5	7.63	H	267.468 917 89	+31.037 349 49	7.24	8.28	−8.00	0.51	0.55	0.72	0.55	0.59	+12	−20	−14	+22	+17	−26	+16	−12	− 2	+17	0	−0.23
87264	17 49 53.01	−61 42 52.8	6.41	H	267.470 863 72	−61.714 658 92	4.73	5.47	−18.75	0.56	0.48	0.69	0.66	0.50	−15	−17	+ 2	+ 4	+ 1	+10	+ 4	−39	+ 9	− 4	0	0.08
87265	17 49 54.05	+06 12 23.2	8.91	H	267.475 209 12	+06.206 452 69	2.36	7.20	3.29	0.91	0.75	1.17	1.00	0.88	−25	− 9	−12	+ 1	+23	+ 1	+26	+ 5	−17	−12	0	−0.06
87266	17 49 55.23	−17 18 50.4	8.96	H	267.480 115 43	−17.313 992 67	0.13	2.13	−3.11	1.10	0.60	1.24	1.21	0.64	+14	−42	−20	+ 7	+16	− 5	+11	−39	+14	+19	0	−0.14
87267	17 49 55.32	+17 57 06.4	9.60	H	267.480 520 28	+17.951 774 94	1.45	−2.96	−31.88	1.15	1.07	1.60	1.34	1.09	+12	−40	−15	+43	+38	−15	+28	+21	− 7	− 5	0	−1.26
87268	17 49 55.51	−12 36 33.3	8.04	H	267.481 296 59	−12.609 240 43	3.50	−11.95	0.22	1.01	0.67	1.18	1.14	0.76	+10	−43	−22	− 2	+ 0	− 5	− 8	−41	+13	− 5	0	2.17
87269	17 49 55.71	+26 11 10.9	9.36	H	267.482 131 98	+26.186 371 61	1.55	−2.86	−11.81	0.74	0.83	1.20	0.90	0.94	+ 8	+ 3	−20	+ 1	+16	− 3	+15	− 4	+ 4	+12	0	0.45
87270	17 49 56.51	+33 28 28.0	9.77	H	267.485 456 43	+33.474 457 09	1.75	12.37	23.26	0.86	0.99	1.23	0.96	1.24	− 4	−15	+ 2	+ 8	+ 1	−22	+ 2	− 3	+ 0	− 1	0	0.05
87271	17 49 56.88	+20 52 12.0	7.43	1 H	267.487 000 67	+20.870 007 05	2.84	8.84	−24.85	0.61	0.58	0.88	0.85	0.61	−10	−11	−11	−19	+35	−12	+25	+12	− 6	+ 1	0	−0.22
87272	17 49 57.04	+00 30 43.4	8.59	H	267.487 680 56	+00.512 068 52	13.44	20.37	−14.36	1.08	0.85	1.14	1.18	0.93	−29	−19	− 9	−18	+26	− 1	+28	−39	+13	− 4	0	−1.12
87273	17 49 57.49	−24 12 25.1	7.02	H	267.489 527 78	−24.206 968 15	10.08	−55.08	−34.70	0.89	0.58	0.96	1.03	0.71	−23	−34	−16	+18	−27	− 7	−23	+21	− 9	−63	0	−1.05
87274	17 49 58.76	+41 57 18.9	8.05	G	267.494 828 97	+41.955 263 58 A	8.49	17.08	−40.11	1.51	1.49	1.33	1.42	1.60	+11	− 8	− 6	+10	+ 9	−26	+ 9	+11	− 4	+ 6	1	0.81
*87275	17 49 58.97	+41 57 39.3	10.21	H	267.495 707 33	+41.960 912 77 B	2.64	8.65	−37.09	22.78	26.98	10.74	12.59	18.78	+ 6	− 3	− 8	+ 5	+ 9	−25	+ 8	+ 5	− 1	+ 0	1	0.81
*87276	17 49 58.90	+22 11 20.7	8.75	H	267.495 431 72	+22.189 088 41	2.37	18.32	−11.39	0.81	0.72	1.03	1.02	0.77	+ 7	−21	−21	−11	+28	−10	+21	+12	− 4	+11	0	−1.13
*87277	17 49 58.89	−41 22 46.3	7.94	H	267.495 357 34	−41.379 540 60	1.35	0.04	−8.81	0.96	0.70	1.10	1.45	0.88	− 4	+ 0	−14	+27	− 5	−20	− 7	+36	+ 3	+ 6	0	0.07
87278	17 50 01.23	+24 28 05.1	7.11	H	267.505 139 66	+24.468 080 43	3.33	1.81	−3.05	0.34	0.50	0.72	0.45	0.63	+ 1	−10	−20	+ 8	− 6	− 3	− 3	+23	−27	− 3	0	−1.17
87279 H	17 50 02.19	−42 38 07.8	9.15	H	267.509 143 39	−42.635 495 45 B	7.06	−0.18	−28.45	6.56	4.69	4.10	4.60	2.73	+29	−17	−11	+16	−15	− 3	−11	+14	−20	−39	3	−1.43
87280	17 50 03.33	+48 23 38.8	6.78	1 H	267.513 890 21	+48.394 119 45	2.72	0.78	13.21	0.50	0.48	0.54	0.58	0.55	+14	−20	− 6	+16	+13	+ 4	+17	+11	−16	+22	1	−0.21
87281 H	17 50 05.07	−26 37 43.4	9.09	G	267.521 141 35	−26.628 729 55 A	1.44	−2.83	−6.06	2.35	1.68	1.78	2.02	1.33	+21	−31	−34	+19	− 1	−16	−14	+ 0	+12	−26	1	−0.69
*87282	17 50 05.49	−26 48 38.7	7.97	G	267.522 884 39	−26.810 758 39	6.87	−2.95	−0.26	1.03	0.70	1.13	1.26	0.85	−19	−30	−30	+23	−22	− 8	−24	+22	+ 0	−53	0	0.74
*87283	17 50 05.42	−76 36 01.4	9.05	H	267.522 570 33	−76.600 375 04	5.33	−8.40	−46.42	0.69	0.83	1.01	0.81	0.93	+14	−22	+ 4	+13	− 4	− 8	− 2	+22	− 4	+ 7	1	2.10
87284 H	17 50 05.95	+02 13 50.1	8.37	H	267.524 788 65	+02.230 572 80 A	2.61	1.81	−0.20	2.93	2.50	2.46	2.67	2.31	+37	−37	−16	−42	−33	+ 7	−28	−60	+ 0	+45	0	0.69
87285	17 50 06.71	−71 18 35.5	8.58	H	267.527 976 34	−71.309 866 46	9.70	30.23	26.99	0.54	0.75	1.10	0.62	0.85	+ 6	−13	− 5	+ 9	−16	−13	−16	+ 3	− 6	− 7	1	0.02
87286	17 50 07.36	−64 18 18.5	6.57	1 H	267.530 686 76	−64.305 139 38	7.24	−3.45	17.25	0.51	0.48	0.73	0.53	0.54	− 4	−29	+ 3	−18	+ 6	+19	+ 4	−19	+ 8	+13	0	−2.33
87287	17 50 07.61	+15 29 43.2	8.02	G	267.531 709 95	+15.495 334 50	1.77	8.20	10.82	0.67	0.62	0.94	0.82	0.72	+25	− 7	+ 0	+28	+34	+19	+35	+37	+ 1	+ 0	0	0.05
87288	17 50 08.74	−14 13 54.0	8.40	H	267.536 409 62	−14.231 676 76	1.86	−9.30	−16.09	1.09	0.73	1.30	1.32	0.80	− 6	−18	−36	−11	+36	−29	+21	−45	+31	−18	0	2.52
87289	17 50 09.26	+09 50 54.1	6.74	H	267.538 593 78	+09.848 372 44	4.74	−28.77	−41.92	0.70	0.55	0.87	0.77	0.52	−29	− 4	−22	− 9	+46	−24	+38	+12	− 9	−19	2	−0.68
87290	17 50 09.30	−00 40 44.2	8.08	H	267.538 760 48	−00.678 937 84	0.96	−3.63	−10.51	0.88	0.66	0.94	1.04	0.77	+30	−27	−15	− 9	−30	+11	−24	−30	+ 7	+30	0	0.55
*87291	17 50 09.70	+59 02 24.7	7.67	H	267.540 424 19	+59.040 207 89	4.94	−0.42	−5.91	0.58	0.54	0.58	0.71	0.62	+17	−22	− 2	−12	+ 3	+ 7	+ 0	− 5	+ 6	+39	0	−0.23
*87292	17 50 09.70	−67 29 30.2	9.29	1 G	267.540 396 44	−67.491 734 09	30.13	16.54	−298.84	0.79	0.91	1.45	1.03	1.10	+12	−16	+ 6	+32	−14	− 3	−12	+ 4	+ 5	+16	0	−0.31
87293	17 50 10.10	+78 18 23.5	6.25	H	267.542 086 78	+78.306 515 95	3.66	3.30	9.56	0.45	0.50	0.51	0.48	0.63	+ 7	−14	+ 3	+ 3	+10	−13	+14	− 7	+17	+ 9	0	−0.27
87294	17 50 11.11	−40 05 25.5	4.78	1 H	267.546 291 70	−40.090 428 23	0.88	3.63	−2.73	0.59	0.44	0.65	0.81	0.55	+ 6	−21	− 6	+16	− 8	− 7	−11	+35	+ 6	+22	0	0.39
87295	17 50 11.90	+70 08 33.3	8.61	H	267.549 570 21	+70.142 586 43	1.93	−0.69	12.88	0.71	0.62	0.76	0.78	0.88	+22	−17	−14	−20	− 5	−20	− 6	−41	− 2	+23	0	−1.07
87296	17 50 13.75	−62 40 50.7	7.38	H	267.557 306 84	−62.680 747 91	4.87	21.62	−20.73	0.60	0.56	0.85	0.74	0.59	+ 9	−18	+ 5	+ 2	+ 1	+ 6	− 1	−37	+ 1	+ 7	0	−0.92
87297 H	17 50 15.00	+25 17 27.5	6.58	H	267.562 487 25	+25.290 967 56 A	6.36	9.62	12.85	0.49	0.60	0.77	0.56	0.65	+11	−19	−24	+ 5	+ 4	− 5	+ 2	+ 2	− 3	+ 5	2	0.55
87298	17 50 15.19	−41 26 30.0	8.34	2 H	267.563 290 06	−41.441 667 91	1.47	−0.90	−4.95	1.04	0.78	1.20	1.54	0.96	− 3	− 3	−18	+30	+ 0	−18	− 4	+40	+ 5	+ 5	0	−0.92
87299	17 50 16.12	+28 13 54.6	8.36	H	267.567 165 97	+28.231 825

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
87201	10.433	0.042	9.658	0.032	B	0.697	0.009	G	0.75	0.01	H	10.1869	0.0922			B				D	17490+0458	I 2	1 C I A							
87202	8.019	0.008	7.542	0.008	A	0.453	0.002	G	0.52	0.00	H	7.6097	0.0102	0.029	111	A	7.56	7.65		D	17490+0458	I 2	1 C P A							S
87203	8.278	0.009	8.315	0.011		−0.031	0.012	T	−0.01	0.01	L	8.3156	0.0015	0.015	117		8.29	8.35		C			1							
87204	7.785	0.007	7.236	0.006	*	0.514	0.008	T	0.59	0.01	L *	7.2874	0.0011	0.011	128	*	7.27	7.31		D	17490+3704	I 1	2 C S A	AB	128	0.146	0.005	0.49	0.27	S
87205	11.113	0.056	9.692	0.028		1.200	0.049	T	1.16	0.05	L	9.7063	0.0022	0.022	101		9.66	9.75					1							
87206	9.671	0.030	9.839	0.048		0.120	0.015	G	0.13	0.01	H	9.8204	0.0027	0.021	57		9.79	9.88		C			1							G
87207	10.086	0.047	8.990	0.032	A	0.880	0.015	G	0.92	0.01	H *	9.0641	0.0022	0.018	102	*	9.03	9.10		D	17490−1615	I 1	2 C A	AB	85	3.902	0.028	2.71	0.08	
87208	10.802	0.042	8.848	0.014		1.621	0.035	T	1.64	0.04	L	8.7068	0.0018	0.018	124		8.68	8.74					1							
87209	7.821	0.008	7.701	0.011		0.116	0.013	T	0.13	0.01	L	7.7402	0.0013	0.011	98		7.72	7.77		C			1							S
87210	6.866	0.005	6.631	0.006		0.224	0.007	T	0.25	0.01	L	6.6669	0.0009	0.007	94		6.66	6.68		C			1							S
87211	7.138	0.005	6.744	0.006		0.373	0.007	T	0.44	0.01	L	6.7883	0.0008	0.009	113		6.77	6.80			17491+6248	I 1	1							S
87212	5.072	0.003	5.025	0.003		0.043	0.004	T	0.06	0.00	L	5.0431	0.0005	0.005	118		5.04	5.05		C			1 G							S
87213	10.662	0.048	9.081	0.023		1.326	0.042	T	1.29	0.05	L	9.0490	0.0021	0.016	76		9.02	9.08		C	17491−1120	I 1	1 S							
87214	8.863	0.020	8.458	0.020		0.396	0.024	T	0.46	0.03	L	8.5295	0.0020	0.014	55		8.51	8.55		C			1							
87215	9.108	0.013	8.698	0.013		0.388	0.017	T	0.45	0.02	L	8.7351	0.0022	0.016	103		8.71	8.76					1							S
87216	11.109	0.100	9.311	0.036		1.497	0.084	T	1.52	0.12	L	9.3493	0.0033	0.018	58		9.32	9.37		C			1							G
87217	7.652	0.004	7.512	0.005		0.127	0.006	T	0.14	0.02	A	7.5341	0.0009	0.012	237		7.51	7.55					1							S
87218	8.509	0.015	8.586	0.022	A	−0.006	0.024	G	0.00	0.01	L *	8.4471	0.0021	0.012	79	*	8.43	8.47		C	17491−3631	I 1	2 C B	AB	179	1.356	0.015	2.14	0.18	
87219	8.726	0.009	8.587	0.011		0.134	0.013	T	0.15	0.01	L	8.6283	0.0014	0.014	143		8.61	8.66		C			1							
87220	4.752	0.003	4.802	0.004		−0.028	0.023	G	0.01	0.02	A	4.7954	0.0007	0.004	48		4.79	4.80					1							S
87221	11.643	0.144	9.018	0.027	*	0.070	0.015	G	2.06	0.22	S *	8.7631	0.0116	0.065	52	*	8.65	8.84		R 2	17492−3315	M 1	2 C S A	AC	184	0.171	0.010	0.40	0.30	G
87222	9.364	0.013	8.272	0.009		0.944	0.012	T	0.93	0.01	L	8.3193	0.0014	0.015	169		8.29	8.35		C			1 G							
87223	7.059	0.006	6.684	0.007		0.355	0.009	T	0.42	0.01	L	6.7332	0.0013	0.008	59		6.72	6.76			17493−3036	I 1	1							S
87224	8.036	0.009	6.588	0.005		1.236	0.000	G	1.19	0.00	H	6.6058	0.0010	0.006	65		6.60	6.62		C			1							S
87225	8.078	0.006	7.897	0.007		0.173	0.009	T	0.19	0.01	L	7.9402	0.0012	0.014	235		7.91	7.97					1							
87226	9.752	0.019	9.422	0.021		0.331	0.015	G	0.39	0.02	H	9.4653	0.0022	0.025	119		9.43	9.52					1							
87227	8.173	0.015	7.844	0.015		0.331	0.015	G	0.39	0.02	H	7.8791	0.0027	0.018	58		7.85	7.91					1							S
87228	12.318	0.172	10.351	0.049		1.561	0.082	G	1.69	0.17	K	10.2461	0.0070	0.066	89		10.13	10.35		U 2			1 X							G
87229	10.078	0.024	9.622	0.024		0.430	0.031	T	0.50	0.03	L	9.6737	0.0021	0.024	125		9.63	9.71		C			1							
87230	9.164	0.024	9.082	0.031		0.131	0.015	G	0.15	0.01	H	9.0680	0.0026	0.019	67		9.03	9.10					1							
87231	8.741	0.010	8.318	0.010		0.400	0.013	T	0.47	0.01	L	8.3838	0.0014	0.016	132		8.35	8.41					1							
87232	6.889	0.006	6.997	0.006		−0.077	0.006	G	−0.06	0.01	H	6.9900	0.0013	0.010	77		6.97	7.01					1							S
87233	8.747	0.018	8.365	0.019		0.366	0.015	G	0.43	0.02	H	8.4047	0.0023	0.016	58		8.38	8.43					1							
87234	5.636	0.002	5.083	0.002		0.518	0.003	T	0.59	0.00	L	5.1318	0.0005	0.004	121		5.13	5.14					1							S
87235	10.472	0.051	8.314	0.017		1.783	0.043	T	1.81	0.04	L	8.1846	0.0025	0.014	62		8.16	8.20					1							
87236	10.631	0.043	9.163	0.022		1.237	0.038	T	1.20	0.04	L	9.1267	0.0031	0.020	69		9.10	9.17		C			1							
87237	7.226	0.008	6.945	0.007		0.261	0.006	G	0.29	0.01	H	6.9799	0.0006	0.007	97		6.97	6.99					1							S
87238	8.413	0.016	8.076	0.017		0.325	0.026	T	0.38	0.04	L	8.1086	0.0016	0.010	56		8.09	8.12		C	17495−2919	I 1	1							S
87239	10.424	0.045	10.053	0.052		0.500	0.020	G	0.57	0.02	H	10.0511	0.0033	0.019	50		10.02	10.08		C			1							G
87240	7.354	0.009	7.349	0.013		0.022	0.009	G	0.02	0.01	L	7.3484	0.0011	0.007	91		7.34	7.36		C			1							S
87241	9.226	0.023	8.826	0.024		0.378	0.031	T	0.44	0.03	L	8.8603	0.0020	0.016	61		8.83	8.89		C			1							
87242	8.396	0.006	8.404	0.007		−0.006	0.008	T	0.01	0.01	L	8.4249	0.0013	0.018	270		8.39	8.46					1							
87243	9.447	0.018	7.657	0.009		1.491	0.016	T	1.51	0.02	L	7.6418	0.0012	0.014	101		7.62	7.67					1							S
87244	10.103	0.029	7.802	0.010		1.898	0.025	T	1.93	0.03	L	7.5772	0.0029	0.020	67		7.54	7.61		U			1 S							S
87245	9.567	0.014	7.659	0.006		1.584	0.012	T	1.60	0.01	L	7.5254	0.0022	0.021	139		7.49	7.56	12.73	P 1 A			1							S
87246	7.833	0.010	7.621	0.012		0.196	0.015	T	0.21	0.02	L	7.6564	0.0011	0.010	84		7.64	7.68			17495−2001	I 1	1							S
87247	7.964	0.012	7.584	0.009		0.360	0.014	T	0.42	0.01	L	7.6000	0.0013	0.010	54		7.59	7.63		C			1							S
87248	10.494	0.029	8.727	0.012		1.472	0.025	T	1.49	0.04	L	8.7015	0.0019	0.020	148		8.67	8.73					1							
87249	9.424	0.015	7.886	0.008		1.292	0.013	T	1.25	0.01	L	7.9155	0.0012	0.010	116		7.90	7.93		C			1							
87250	10.078	0.042	9.508	0.041		0.561	0.015	G	0.63	0.01	H	9.6107	0.0030	0.019	56		9.58	9.65					1							G
87251	9.556	0.016	7.638	0.007		1.592	0.014	T	1.61	0.01	L	7.5816	0.0015	0.015	131		7.56	7.61					1							S
87252	11.531	0.077	10.170	0.037		1.120	0.020	G	1.08	0.02	H	10.1710	0.0020	0.021	112		10.14	10.21					1							G
87253	10.700	0.057	10.309	0.067		0.370	0.082	T	0.43	0.09	L	10.2540	0.0065	0.038	50		10.19	10.31			17497−4335	I 1	1							G
87254	9.781	0.019	8.206	0.010		1.321	0.017	T	1.28	0.02	L	8.1974	0.0016	0.014	120		8.18	8.22					1							
87255	10.134	0.043	8.480	0.020		1.409	0.039	T	2.98	0.06	O	8.1247	0.0075	0.049	58		8.01	8.18		U 2			1 S							
87256	9.694	0.022	9.039	0.020		0.608	0.025	T	0.68	0.02	L	9.0977	0.0026	0.020	62		9.06	9.13		C			1							
87257	7.470	0.008	7.561	0.013		−0.078	0.014	T	−0.06	0.02	L	7.5507	0.0023	0.020	60		7.51	7.57	3.21	P 1 A			1							S
87258	8.884	0.010	7.594	0.006		1.097	0.009	T	1.06	0.01	L	7.6426	0.0011	0.013	154		7.62	7.66					1							S
87259	11.721	0.088	10.337	0.039		1.171	0.075	T	1.13	0.07	L	10.4907	0.0031	0.028	118		10.44	10.54					1							G
87260	8.522	0.010	8.034	0.010		0.459	0.013	T	0.53	0.01	L	8.0911	0.0016	0.015	119		8.06	8.11					1							S
87261	4.732	0.003	3.321	0.003		1.192	0.003	T	1.15	0.02	A	3.3521	0.0005	0.004	45		3.35	3.37			17499−3703	I 1	1							S
87262	9.876	0.029	8.182	0.013		1.415	0.025	T	1.40	0.04	L	8.1389	0.0021	0.017	66		8.11	8.17					1							
87263	8.043	0.008	7.666	0.007		0.353	0.001	G	0.41	0.00	H	7.7169	0.0010	0.010	134		7.69	7.74					1							S
87264	6.336	0.004	6.395	0.005		−0.049	0.006	T	−0.03	0.01	L	6.3960	0.0009	0.007	115		6.39	6.41		C			1							S
87265	10.581	0.032	9.059	0.016		1.279	0.028	T	1.24	0.03	L	9.0719	0.0029	0.022	105		9.04	9.11					1							
87266	9.280	0.014	9.005	0.016		0.262	0.020	T	0.29	0.03	L	9.0328	0.0016	0.017	120		9.01	9.07					1							
87267	10.625	0.037	9.737	0.027		0.791	0.034	T	0.82	0.02	L	9.7530	0.0026	0.023	96		9.72	9.79		C			1							
87268	9.674	0.024	8.186	0.013		1.252	0.021	T	1.21	0.02	L	8.1981	0.0012	0.010	69		8.18	8.22					1							
87269	9.612	0.015	9.366	0.017		0.234	0.021	T	0.26	0.03	L	9.4327	0.0022	0.025	167		9.39	9.47		C			1 S							
87270	11.248	0.053	9.862	0.025		1.172	0.046	T	1.13	0.04	L	9.9352	0.0026	0.027	142		9.88	9.98					1							
87271	9.530	0.015	7.688	0.007		1.532	0.013	T	1.58	0.03	L	7.5547	0.0024	0.021	132		7.52	7.59		U			1 S							S
87272	9.500	0.019	8.687	0.015		0.734	0.019	T	0.78	0.01	L	8.7375	0.0016	0.015	65		8.71	8.76		D	17500+0031	I 1	1 S							
87273	8.462	0.020	7.154	0.008		1.111	0.017	T	1.07	0.02	L	7.1839	0.0016	0.009	61		7.17	7.20		C			1							S
87274	8.435	0.009	8.058	0.009	A	0.388	0.015	G	0.45	0.02	H	8.1371	0.0177	0.040	112	A	8.05	8.18		D	17500+4157	I 2	1 C P A							S
87275	10.662	0.046	9.961	0.039	B	0.646	0.049	T	0.71	0.04	L	10.3431	0.1084			B				D	17500+4157	I 2	1 C I A							
87276	8.940	0.012	8.768	0.014		0.165	0.017	T	0.18	0.02	L	8.8125	0.0020	0.020	123		8.78	8.85		C			1							
87277	7.865	0.012	7.941	0.016		−0.060	0.015	G	−0.04	0.01	H	7.9292	0.0014	0.012	60		7.91	7.96		C			1							S
87278	7.002	0.004	7.095	0.004		−0.085	0.003	G	−0.07	0.00	H	7.0826	0.0009	0.012	213		7.06	7.10					1							S
87279	9.944	0.033	9.274	0.029	*	0.610	0.033	T	0.68	0.03	L *	9.2856	0.0027	0.019	61	*	9.26	9.32		D	17500−4238	I 1	2 C A	BA	288	0.470	0.008	0.13	0.04	
87280	6.623	0.004	6.749	0.005		−0.109	0.006	T	−0.09	0.01	L	6.7469	0.0017	0.014	107		6.72	6.76		U 2 C			1							S
87281	9.248	0.022	9.072	0.027	*	0.169	0.020	G	0.18	0.02	H *	9.1200	0.0023	0.016	55	*	9.08	9.15		D	17501−2638	M 1	2 C A	AC	208	0.387	0.028	2.82	0.11	
87282	8.463	0.014	7.999	0.014		0.441	0.015	G	0.51	0.02	H	8.0711	0.0015	0.009	57		8.05	8.09		D			1 S							
87283	9.735	0.016	9.109	0.014		0.578	0.016	T	0.65	0.01	L	9.1759	0.0016	0.020	155		9.14	9.21		C			1							
87284	9.504	0.022	8.548	0.016	*	0.828	0.021	T	0.85	0.01	L *	8.5135	0.0023	0.013	58	*	8.49	8.53		D	17501+0214	I 1	2 C A	AB	322	0.481	0.004	0.73	0.02	S
87285	9.057	0.009	8.612	0.009		0.418	0.016	G	0.48	0.02	H	8.6720	0.0016	0.019	218		8.63	8.71		C			1							
87286	6.951	0.005	6.616	0.004		0.334	0.004	G	0.39	0.01	H	6.6537	0.0012	0.012	143		6.63	6.67		M			1							S
87287	7.852	0.006	8.000	0.008		−0.123	0.009	G	−0.11	0.01	H	7.9837	0.0011	0.014	131		7.96	8.01		C			1							S
87288	8.646	0.011	8.419	0.013		0.211	0.017	T	0.23	0.02	L	8.4705	0.0015	0.014	74		8.45	8.50		C			1							
87289	8.564	0.011	6.887	0.006		1.401	0.010	T	1.38	0.01	L	6.8834	0.0009	0.007	103		6.87	6.90		C			1							S
87290	8.211	0.010	8.095	0.011		0.112	0.014	T	0.13	0.01	L	8.1169	0.0016	0.009	60		8.10	8.13		C			1							S
87291	7.984	0.009	7.717	0.010		0.288	0.004	G	0.33	0.01	H	7.7445	0.0014	0.013	107		7.72	7.77					1							S
87292	10.638	0.024	9.384	0.013		0.974	0.003	G	1.02	0.00	I	9.4444	0.0021	0.032	219		9.40	9.50		U			1							
87293	8.161	0.009	6.420	0.004		1.452	0.008	T	1.45	0.01	L	6.3877	0.0012	0.010	120		6.37	6.40					1							S
87294	5.098	0.003	4.837	0.004		0.259	0.008	G	0.41	0.02	A	4.8648	0.0013	0.015	72		4.85	4.90		U 2	17502−4005	I 1	1							S
87295	10.225	0.033	8.737	0.017		1.252	0.029	T	1.21	0.03	L	8.7688	0.0018	0.016	98		8.75	8.80					1							
87296	8.708	0.016	7.497	0.011		1.036	0.015	T	1.01	0.01	L	7.5512	0.0012	0.011	144		7.53	7.57		C			1							S
87297	6.688	0.003	6.559	0.004	*	0.125	0.005	T	0.14	0.01	L *	6.6261	0.0008	0.009	179	*	6.61	6.64		D	17502+2517	I 1	2 C A	AB	138	6.368	0.005	2.33	0.02	S
87298	8.289	0.012	8.344	0.016		−0.046	0.018	T	−0.02	0.02	L	8.3284	0.0037	0.030	61		8.30	8.45		U 2			1							S
87299	8.961	0.011	8.412	0.010		0.514	0.013	T	0.59	0.01	L	8.4760	0.0019	0.018	163		8.45	8.51					1							S
87300	9.238	0.017	8.589	0.015		0.560	0.015	G	0.63	0.01	H	8.6678	0.0012	0.017	98		8.64	8.70					1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)																						Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ																						F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas			mas/yr		$\alpha*$	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	$\alpha*$	δ	δ	π	$\alpha*$	δ	π	$\mu_{\alpha*}$			%	
1 2	3	4	5 6 7		8	9 10		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28											29	30
87301	17 50 17.68	−39 47 38.5	8.74	H	267.573 677 04	−39.794 021 87		2.28	−18.77	−20.03	1.20	0.79	1.34	1.64	0.93	+14	−23	− 1	+ 4	−17	− 7	−15	+28	−10	+35											0	−0.51
87302	17 50 18.86	−47 13 49.8	7.57	1 G	267.578 591 29	−47.230 507 40		1.74	9.99	−6.85	0.85	0.65	0.95	1.03	0.68	−14	−20	−26	+34	−31	+ 6	−25	+37	−10	−31											0	−1.06
87303	17 50 19.30	−51 07 12.5	8.38	H	267.580 407 20	−51.120 143 70		2.71	7.44	−34.42	1.00	0.67	1.16	1.27	0.74	−49	−25	+ 9	+20	−31	+ 2	−29	+ 0	+23	−41											0	0.82
87304	17 50 19.97	−23 59 18.3	9.77	G	267.583 202 09	−23.988 402 93		−0.70	0.83	0.94	1.86	1.11	2.01	2.02	1.30	−15	−44	− 7	+17	− 3	− 1	− 6	+12	+ 6	−15											0	0.28
87305	17 50 20.62	+43 18 09.2	8.45	H	267.585 910 06	+43.302 561 59		4.10	−6.91	−6.65	0.65	0.67	0.76	0.85	0.96	+ 0	−26	− 5	−10	− 1	− 2	+ 9	+26	−11	−21											0	0.18
87306	17 50 21.16	−27 03 41.6	6.96	H	267.588 146 39	−27.061 562 09		8.11	−19.73	−44.29	0.97	0.60	1.03	1.15	0.78	−15	−42	−25	+25	−21	+ 3	−20	+21	− 4	−62											0	−0.93
87307	17 50 22.24	−41 30 46.9	9.69	G	267.592 684 96	−41.513 039 44		4.25	2.01	−13.74	1.63	1.23	1.94	2.50	1.51	+ 6	− 2	−28	+29	+ 9	−24	+ 3	+40	+ 6	+ 2											0	−2.78
87308	17 50 22.87	+29 19 19.3	5.51	H	267.595 299 76	+29.322 026 69		12.23	30.88	47.88	0.41	0.42	0.56	0.48	0.48	+ 7	− 8	− 6	−10	+ 1	−14	+ 0	− 7	+ 0	+17											1	1.04
87309 H	17 50 23.20	+35 26 14.7	8.06	H	267.596 681 91	+35.437 421 13 A		6.63	−15.18	4.94	2.51	3.45	3.30	2.89	3.82	+13	−17	−13	+22	+ 7	−26	+10	−31	+13	+26											23	4.81
87310	17 50 24.56	+58 19 33.2	8.64	H	267.602 331 58	+58.325 897 70		2.80	−3.27	−13.42	0.69	0.70	0.74	0.73	0.81	− 3	+17	− 7	+13	+ 9	+17	+10	+14	− 9	− 7											0	0.23
87311	17 50 25.13	+70 45 36.2	9.70	2 H	267.604 688 97	+70.760 068 92		2.86	−3.28	21.52	0.86	0.72	0.93	0.95	1.08	+21	−23	−12	+ 6	− 6	+ 1	− 3	−47	− 6	+19											2	0.24
87312	17 50 25.65	−61 55 28.8	6.77	H	267.606 858 68	−61.924 677 15		17.44	−53.45	23.85	0.57	0.51	0.74	0.65	0.52	− 7	−14	+ 3	− 2	+ 4	+11	+ 6	−36	+ 5	+ 3											0	0.58
87313 H	17 50 27.15	+41 11 59.4	9.06	H	267.613 129 89	+41.199 820 32 A		2.16	17.43	−6.08	1.77	1.89	1.86	1.79	1.79	+ 0	−19	− 9	+17	+ 4	−23	+ 0	+ 0	+ 7	+12											3	0.65
87314	17 50 28.39	−53 36 44.6	5.68	2 H	267.618 292 97	−53.612 380 82 A		3.96	2.43	−10.42	0.90	0.63	0.94	0.95	0.59	−37	−20	+ 1	+32	−37	+15	−38	+ 9	+ 8	−40											11	0.78
87315	17 50 28.52	+44 29 21.9	7.83	H	267.618 835 49	+44.489 407 75		3.81	16.51	14.08	0.63	0.58	0.68	0.72	0.68	+ 2	+13	+ 8	−22	+ 6	− 9	+ 5	+ 8	+ 6	+ 7											0	0.42
87316	17 50 30.19	−54 43 50.9	7.69	H	267.625 809 73	−54.730 795 28		16.25	−11.43	−10.97	0.96	0.62	0.98	1.20	0.68	−43	−34	+14	+34	−36	−13	−37	+20	+18	−53											0	0.46
87317	17 50 31.36	+57 26 36.5	7.99	H	267.630 648 60	+57.443 476 47		3.83	−6.17	17.67	0.60	0.58	0.60	0.65	0.69	+ 9	+14	+ 3	+23	+18	− 1	+17	+15	− 3	− 6											0	−0.45
87318	17 50 31.49	+02 04 47.4	9.44	H	267.631 191 39	+02.079 821 45		7.03	0.77	5.21	1.47	1.09	1.69	1.68	1.39	+29	−48	− 9	−14	−23	+ 4	+ 0	−39	−25	+57											5	1.65
87319 H	17 50 31.50	+36 50 46.0	6.89	H	267.631 262 06	+36.846 118 18 *		3.09	−6.37	−0.45	1.29	0.93	0.66	0.61	0.65	−39	− 2	− 9	+31	− 6	+ 5	− 2	+16	+ 0	− 6											1	−0.11
87320	17 50 33.03	+35 23 24.2	8.45	H	267.637 619 43	+35.390 061 20		6.39	−6.72	35.62	0.65	0.66	0.88	0.74	0.71	+12	−22	−16	+13	+17	−35	+12	− 3	− 1	+12											3	−0.43
87321	17 50 33.28	+23 15 21.4	7.73	H	267.638 665 59	+23.255 951 02		2.62	−3.07	−14.30	0.38	0.58	0.86	0.51	0.66	+ 1	−12	−18	+30	+ 8	− 4	+ 9	+17	− 8	+ 5											0	−0.10
87322	17 50 34.05	−06 02 59.9	10.17	G	267.641 871 82	−06.049 965 55		45.67	−26.05	−131.40	1.53	1.32	2.06	2.16	1.36	+ 8	−15	−61	− 8	+44	−37	+19	−37	+35	−21											2	0.16
87323 H	17 50 34.21	+39 31 31.0	8.33	H	267.642 542 11	+39.525 289 09 A		12.38	−0.40	85.92	0.98	1.05	1.07	1.08	1.34	+ 7	+ 7	+ 3	+31	+ 6	+12	+ 4	+30	−14	+ 2											2	0.11
87324	17 50 34.69	−49 29 44.6	7.17	H	267.644 535 29	−49.495 711 30		9.08	−4.98	3.80	0.83	0.51	0.99	0.98	0.52	−46	−21	− 5	+38	−45	+20	−40	+ 7	+19	−32											2	0.49
87325 H	17 50 34.89	+07 13 57.9	7.72	H	267.645 378 38	+07.232 762 92 A		10.26	7.08	23.12	1.83	1.71	1.90	1.39	1.19	−21	− 7	− 8	−16	+27	−11	+33	+ 3	−22	− 4											0	−0.38
87326	17 50 37.19	+09 32 31.5	7.80	H	267.654 968 25	+09.542 090 86		3.38	−2.87	−11.20	0.87	0.74	1.04	0.98	0.65	− 2	+ 2	−22	+ 1	+68	−28	+59	+39	− 9	+ 9											0	−0.12
87327	17 50 37.64	−79 17 26.2	9.51	H	267.656 846 08	−79.290 615 72		8.34	12.35	−36.70	0.76	0.78	1.02	0.83	0.90	−10	−27	− 7	+29	− 5	−14	− 8	+11	+ 2	−18											1	−0.12
*87328	17 50 37.80	+51 14 31.5	7.60	H	267.657 520 24	+51.242 092 79		4.31	−24.25	38.42	0.50	0.51	0.55	0.56	0.60	+ 4	− 1	− 2	+18	+ 4	+ 5	+ 4	+17	−19	− 1											0	−1.92
*87329	17 50 37.78	−23 07 29.2	10.07	G	267.657 433 08	−23.124 780 15		5.33	7.98	−71.19	5.06	3.36	5.55	6.08	3.86	−13	−27	−15	−12	+10	−12	+ 9	−24	− 6	−31											3	
87330	17 50 38.34	−40 19 05.8	9.10	H	267.659 756 16	−40.318 287 68		31.99	20.99	−25.20	1.45	1.03	1.48	2.35	1.27	+ 0	− 8	+ 1	+17	−36	−17	−28	+32	−20	+30											0	0.31
87331	17 50 39.07	+39 33 17.6	8.09	H	267.662 799 31	+39.554 882 93		2.92	−23.43	−21.42	0.63	0.68	0.77	0.74	0.95	+ 2	+ 2	− 3	+18	− 1	+ 4	+ 0	+26	−13	− 6											0	−0.81
87332	17 50 39.13	−21 55 51.9	9.30	H	267.663 030 73	−21.931 094 65		7.31	4.36	−11.38	1.43	0.82	1.40	2.13	1.04	+34	−30	−16	+34	+16	−13	+16	+ 8	− 7	+35											0	0.10
87333	17 50 42.43	−16 09 15.5	8.28	H	267.676 780 16	−16.154 310 47		2.61	−1.49	−19.54	1.18	0.68	1.40	1.17	0.65	+30	−41	−29	− 6	+10	−30	− 9	−45	+14	− 6											2	1.15
87334	17 50 43.56	+22 10 30.4	8.25	H	267.681 513 17	+22.175 112 55		5.80	−14.14	−67.44	0.71	0.65	0.97	0.95	0.69	+ 5	−17	−27	−14	+26	−20	+15	+10	+ 0	+14											0	0.68
87335	17 50 43.61	+11 56 47.9	6.19	H	267.681 705 18	+11.946 629 07		6.41	−9.00	−33.26	0.63	0.50	0.79	0.68	0.56	−16	−20	− 7	+ 4	+29	− 1	+31	+22	−22	−12											2	1.18
87336	17 50 43.71	−35 31 55.1	7.82	H	267.682 134 37	−35.531 974 68		0.21	−3.73	−4.41	0.93	0.69	1.01	1.22	0.76	+ 1	−16	+ 3	+33	− 3	+ 8	− 7	+58	+ 8	+24											0	−0.19
87337	17 50 44.37	−42 27 40.2	8.60	H	267.684 871 90	−42.461 172 20		6.13	−3.85	−33.23	1.23	0.88	1.41	1.45	0.93	−11	−26	−20	+36	−32	−15	−28	+36	−17	−14											0	1.70
87338	17 50 45.47	−05 19 48.7	8.28	H	267.689 458 10	−05.330 203 56		5.20	−4.95	−9.87	0.99	0.68	1.10	1.00	0.77	−12	−38	−23	−18	+23	− 8	+13	−23	+19	−34											0	1.44
87339	17 50 45.60	+26 27 54.2	9.02	H	267.690 015 36	+26.465 060 40		4.60	12.41	−21.43	0.67	0.80	1.16	0.90	0.94	+ 5	− 8	− 1	+ 3	+15	− 8	+10	+18	+10	+16											0	1.54
87340 H	17 50 47.15	+48 23 52.4	8.30	H	267.696 464 64	+48.397 880 10 A		2.59	−1.26	21.02	1.06	1.05	1.06	1.14	1.14	+ 8	−10	−12	+20	+ 4	+ 3	+ 9	+35	−33	+ 5											2	−0.05
87341	17 50 48.37	+22 18 59.0	6.14	H	267.701 551 28	+22.316 380 65		10.25	16.75	−20.73	0.41	0.42	0.61	0.51	0.45	+12	−19	−20	+ 6	+22	−14	+17	+17	− 6	+16											0	0.10
87342	17 50 49.34	−46 21 49.1	7.87	H	267.705 582 56	−46.363 652 66		3.04	12.93	8.24	1.00	0.73	1.13	1.05	0.73	− 1	−32	−15	+43	−20	− 9	−16	+39	−14	−22											0	0.36
*87343	17 50 51.82	−33 42 27.7	8.01	H																																	
*87344	17 50 51.78	−42 19 47.9	6.69	H	267.715 732 60	−42.329 967 11		5.86	−24.63	−63.57	0.83	0.59	0.98	0.92	0.62	− 4	−32	−18	+30	−30	−15	−23	+34	−16	−11											0	0.55
87345	17 50 52.34	−33 42 20.4	8.00	H	267.718 095 92	−33.705 666 13 *		15.46	2.95	−2.84	2.26	1.33	2.41	2.00	1.41	+17	−65	−17	+ 8	−11	−22	+ 2	+13	+ 4	−47											13	1.94
87346	17 50 52.51	−54 48 09.3	12.63	H	267.718 785 88	−54.802 571 33		−2.21	−3.92	−13.35	5.62	3.53	6.21	8.19	3.96	−23	−31	+ 8	+17	−40	+ 0	−37	+ 8	+25	−26											0	1.51
87347	17 50 54.35	+35 20 36.0	8.88	H	267.726 476 38	+35.343 334 98		7.85	−17.02	−19.45	0.71	0.74	0.96	0.83	0.83	+13	−15	−20	+13	+13	−35	+ 6	+ 2	− 2	+ 9											0	0.96
87348	17 50 54.83	−44 06 50.8	10.25	G	267.728 457 40	−44.114 114 06		2.52	−0.14	−23.44	1.82	1.43	2.03	2.38	1.88	+ 8	−23	− 3	+32	+13	+ 5	+ 7	+37	+23	+17											0	1.36
87349	17 50 55.12	+37 42 17.6	8.10	G	267.729 650 32	+37.704 889 27		9.97	−13.09	−83.53	0.57	0.57	0.68	0.65	0.64	+ 9	+ 7	−11	+15	+14	−14	+13	+ 8	+ 4	+12											0	−2.08
87350	17 50 55.49	−76 03 29.7	7.15	H	267.731 198 45	−76.058 254 82		7.94	25.02	−84.30	0.45	0.54	0.67	0.56	0.67	+ 0	−16	+ 0	+ 1	− 8	+ 5	− 6	+22	− 4	− 7											0	−0.58
87351	17 50 56.78	−17 15 25.3	8.38	H	267.736 583 11	−17.257 029 31		4.06	6.98	−24.19	0.97	0.57	1.09	0.98	0.58	+ 5	−40	−19	− 2	+15	− 6	+ 9	−41	+ 9	− 1											0	2.15
87352	17 50 57.27	+29 59 44.9	6.78	H	267.738 626 67	+29.995 807 09		8.11	−5.30	3.12	0.45	0.50	0.64	0.53	0.55	+13	− 6	−22	−18	+ 1	−11	− 2	−25	+13	+20											0	0.03
87353	17 50 58.42	−50 17 27.3	7.49	2 H	267.743 410 08	−50.290 902 90		1.22	−0.41	−1.42	0.86	0.56	1.02	1.05	0.57	−41	−20	+ 4	+28	−47	+12	−40	− 5	+20	−26											1	−0.60
87354	17 50 58.51	+72 29 10.8	8.45	G	267.743 774 14	+72.486 319 65		3.28	−1.81	−1.90	0.69	0.68	0.74	0.74	0.90	+ 5	− 9	+ 7	−12	+ 7	−19	+13	−29	−13	+11											1	1.72
87355 H	17 50 58.86	+18 21 00.4	8.03	H	267.745 232 44	+18.350 114 59 A		4.46	1.08	2.35	2.15	1.91	1.65	1.52	1.14	+16	−11	−26	+32	+38	−26	+29	+ 6	+18	− 6											1	−1.17
87356	17 50 59.19	+62 18 04.7	8.31	H	267.746 607 76	+62.301 303 07		2.49	−10.76	12.66	0.65	0.68	0.69	0.71	0.85	+ 0	− 6	−24	+15	+ 5	− 4	+ 6	+16	− 8	−10											0	−0.64
87357	17 50 59.92	+27 45 25.9	9.64	H	267.749 653 21	+27.757 196 20		6.42	7.97	13.91	0.95	1.06	1.45	1.20	1.15	+17	−26	−26	+11	+12	−12	+ 5	− 2	+ 8	+ 1											0	0.07
87358	17 51 01.06	+12 12 48.2	8.90	H	267.754 419 72	+12.213 391 36		1.20	−0.21	4.71	1.04	0.80	1.26	1.01	0.86	− 5	−33	− 3	+ 3	+46	+ 6	+51	+14	−29	+ 5											2	−1.04
87359	17 51 01.96	−49 19 49.8	10.41	H	267.758 172 71	−49.330 497 21		−2.67	−2.07	−19.62	1.85	1.14	2.11	2.34	1.25	−33	−22	+ 5	+25	−31	+ 6	−28	+ 0	+21	−21											0	2.44
87360	17 51 02.12	−35 04 13.9	7.60	G	267.758 845 23	−35.070 533 27		2.97	4.06	−4.09	0.93	0.66	1.05	1.13	0.71	+ 4	−33	−10	+20	−12	− 6	−12	+51	− 1	+13											0	−2.37
87361	17 51 03.22	−32 59 22.2	8.42	H	267.763 434 59	−32.989 500 05		−0.82	3.84	−0.70	1.15	0.81	1.31	1.25	0.92	+21	−52	−37	+27	+ 8	−17	+ 2	+25	+ 2	−15											0	−0.93
87362	17 51 03.62	+30 14 01.5	8.36	H	267.765 062 67	+30.233 739 18		9.28	−12.60	−27.98	0.60	0.73	0.92	0.72	0.90	+ 6	− 3	−20	+ 4	+ 8	−10	+ 7	−21	− 2	+ 6											0	0.59
87363	17 51 04.18	+08 31 50.7	6.97	H	267.767 429 45	+08.530 745 67		9.60	32.78	33.64	0.65	0.50	0.80	0.68	0.46	−20	− 6	+ 3	− 7	+48	−13	+41	+30	−11	− 7											2	0.66
87364	17 51 04.86	−30 58 12.3	8.19	H	267.770 237 44	−30.970 094 65		2.38	3.23	0.70	1.27	0.94	1.27	2.06	1.45	−17	−23	−33	+42	−37	− 5	−41	+35	+ 5	−52											0	−0.71
87365	17 51 04.89	+05 13 44.3	6.82	H	267.770 361 32	+05.228 981 66		3.38	1.28	19.86	0.77	0.66	0.99	0.78	0.72	+22	−49	−34	−17	−16	+25	− 6	−23	+ 2	+19											0	0.02
87366	17 51 05.40	−54 15 54.2	8.34	G	267.772 488 21	−54.265 068 81		5.36	8.53	−48.76	1.06	0.73	1.07	1.28	0.79	−51	−20	+ 5	+37	−37	−11	−37	+17	+10	−55											0	−0.66
*87367	17 51 06.89	+32 30 34.3	9.26	H	267.778 714 05	+32.509 521 19		15.28	4.22	95.59	0.83	0.88	1.08	0.95	0.95	+11	− 1	− 6	+28	+10	−11	+10	− 6	+ 3	+14											4	−0.14
*87368	17 51 06.85	−32 18 27.4	9.25	2 G	267.778 545 61	−32.307 613 04		6.67	−6.25	−27.79	1.50	1.06	1.58	1.71	1.26	+14	−39	−26	+27	− 2	− 8	− 3	+24	− 5	+17											0	−0.31
87369	17 51 07.37	−27 23 46.0	8.90	H	267.780 703 09	−27.396 108 17		23.12	−57.01	−106.89	1.25	0.83	1.30	1.61	1.08	− 7	−26	−19	+29	−20	+ 9	−20	+26	− 1	−40											0	0.37
87370	17 51 07.71	−22 55 15.0	7.15	G	267.782 113 94	−22.920 819 49		23.10	51.06	−77.39	0.89	0.59	0.97	1.02	0.70	−10	−37	−25	+21	−33	− 4	−27	+27	−11	−50											0	0.51
87371	17 51 07.76	+38 26 33.1	7.81	H	267.782 337 19	+38.442 514 76		4.72	9.11	7.97	0.58	0.57	0.69	0.63	0.67	+ 2	+ 2	−12	+ 4	+10	−20	+ 9	+ 5	+ 3	+ 2											0	−0.67
87372 H	17 51 07.82	−38 09 15.7	9.35	H	267.782 600 92	−38.154 362 31 *		10.50	−30.66	−54.03	1.33	0.92	1.45	1.80	1.05	− 5	−21	− 5	+40	− 1	+16	− 5	+59	+ 9	+22											0	0.32
87373	17 51 07.92	−63 11 35.9	9.22	H	267.783 005 07	−63.193 293 27		4.04	−0.03	−24.99	0.84	0.84	1.20	1.02	0.93	+ 3	−20	− 3	−17	+ 4	+ 4	+ 4	+ 2	−39	+10											4	0.43
87374	17 51 08.67	−56 45 46.1	12.29	H	267.786 116 15	−56.762 799 67		2.08	−65.68	−131.21	3.36	2.62	4.37	3.92	2.73	− 2	−30	+14	+ 8	−17	− 2	− 3	−29	−13	+25											2	1.60
87375	17 51 08.98	+27 04 06.3	8.40	H	267.787 411 25	+27.068 411 43		4.53	3.55	3.47	0.59	0.63	0.90	0.71	0.71	+ 9	−17	− 8	+ 1	+ 8	+ 4	+ 7	+12	+ 2	+12											0	2.07
87376	17 51 09.04	−51 23 49.6	9.62	H	267.787 651 99	−51.397 116 81		7.52	−23.07	21.83	1.22	0.80	1.50	1.51	0.89	−40	−26	+10	+23	−28	+ 3	−28	+ 8	+24	−27											0	−0.73
*87377 H	17 51 10.26	+44 54 27.8	7.34	G	267.792 732 59	+44.907 715 97 A		9.42	70.69	16.48	1.46	1.48	1.49	1.46	1.52	− 9	+ 5	+20	−22	+ 4	−32	+ 2	+30	+14	− 3											3	2.06
*87378	17 51 10.21	−23 57 42.3	9.72	H	267.792 522 23	−23.961 742 89		8.39	−38.90	−90.86	1.58	1.04	1.72	1.81	1.20	−21	−27	−13	+12	− 5	−13	− 5	+ 6	− 9	−43											0	−1.08
87379	17 51 11.03	−53 07 49.0	6.09	H	267.795 961 78	−53.130 270 30		6.42	15.79	0.65	0.64	0.43	0.75	0.69	0.44	−35	−31	+ 2	+29	−38	+14	−36	+ 8	+ 5	−35											0	−0.18
87380	17 51 12.42	−30 33 34.7	8.09	H	267.801 749 64	−30.559 629 74 B		4.76	30.93	−2.96	9.78	7.18	5.27	11.93	6.63	−11	− 3	−34	+20	−53	+16	−45	+15	−14	−17											16	0.22
87381	17 51 12.55	−30 33 24.7	6.70	G	267.802 291 80	−30.556 862 59 A		2.59	10.97	−2.68	2.32	1.71	1.55	3.42	2.25	−24	− 8	−30	+34	−49	+11	−41	+28	−13	−23											16	0.22
87382	17 51 14.03	+40 04 20.8	6.55	H	267.808 478 49	+40.072 439 24		29.93	−16.49	9.69	0.45	0.49	0.55	0.48	0.56	− 1	− 1	− 4	+ 1	+ 2	−13	+ 1	+10	+ 0	+ 0											0	−1.32
87383	17 51 15.32	−35 53 26.9	8.49	H	267.813 849 52	−35.890 802 36		4.73	−13.64	−17.22	1.13	0.77	1.25	1.29	0.76	+ 8	−28	−20	+21	−27	+11	−21	+47	− 2	+ 9											0	−0.33
87384	17 51 20.40	+43 13 21.2	10.77	H	267.834 993 40	+43.222 548 37		12.07	−136.47	189.28	1.35	1.60	1.59	1.60	2.27	− 2	−13	+ 7	− 7	− 6	+ 9	+ 3	+49	+ 5	−19											0	2.16
87385	17 51 24.86	+74 34 08.7	6.75	H	267.853 579 82	+74.569 087 33		5.69	2.14	−1.70	0.54	0.57	0.57	0.53	0.70	+21	−22	+28	−37	−26	−11	−21	−35	−20	+39											1	−0.33
87386	17 51 25.76	−53 50 19.0	6.61	H	267.857 329 73	−53.838 600 54		16.64	−15.29	−76.41	0.74	0.46	0.81	0.77	0.48	−37	−38	+ 6	+31	−37	+ 3	−37	+ 8	+11	−41											0	−0.23
87387	17 51 26.78	−37 26 37.4	8.40	H	267.861 584 90	−37.443 728 37		1.79	−5.34	−13.96	1.16	0.76	1.26	1.38	0.77	+ 0	−29	−17	+37	−23	− 4	−17	+56	− 9	+ 5											0	0.34
87388	17 51 27.45	−18 59 29.2	11.64	G	267.864 385 51	−18.991 452 25		19.08	45.79	−292.37	2.99	1.85	3.11	3.46	1.81	− 2	−18	+ 3	− 2	+40	+ 1	+32	−58	+ 7	− 2											0	−0.11
87389 H	17 51 32.00	−50 06 54.9	9.57	H	267.883 321 60	−50.115 241 12 *		1.94	6.33	−14.00	3.37	2.56	2.17	2.46	1.28	−14	−23	−10	+ 7	−45	+14	−42	−12	+29	−12											0	−0.37
87390	17 51 32.57	−40 46 20.4	5.94	2 H	267.885 721 15	−40.772 327 68		4.42	−51.34	−55.00	0.78	0.56	0.83	1.17	0.68	− 1	−11	−10	+37	+ 9	−15	− 9	+52	− 8	+22											0	−0.90
87391	17 51 33.75	−30 17 13.5	8.86	H	267.890 620 19	−30.287 093 74		2.39	8.05	−1.80	1.54	1.03	1.56	2.48	1.48	−15	+ 4	− 6	+43	− 7	+34	− 7	+36	−11	−23											0	−0.52
87392	17 51 33.97	−62 38 07.7	7.60	H	267.891 521 24	−62.635 474 08		2.93	−10.60

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
87301	10.371	0.087	8.780	0.039		1.334	0.075	T	1.30	0.09	L	8.8973	0.0019	0.012	61		8.87	8.92		C			1							
87302	7.792	0.008	7.603	0.011		0.173	0.013	T	0.19	0.01	L	7.5976	0.0066	0.023	61		7.56	7.63	22.57	P 1 A			1							S P
87303	9.668	0.018	8.496	0.012		1.005	0.017	T	0.98	0.01	L	8.5457	0.0016	0.018	131		8.51	8.57					1							
87304	10.753	0.092	9.982	0.076		0.786	0.020	G	0.82	0.01	H	9.9107	0.0034	0.022	58		9.86	9.94		C			1 G							G
87305	9.828	0.020	8.573	0.013		1.070	0.019	T	1.03	0.02	L	8.6203	0.0012	0.013	115		8.60	8.64		C			1							
87306	7.210	0.007	6.994	0.009		0.200	0.011	T	0.22	0.01	L	7.0236	0.0011	0.008	52		7.01	7.04		C			1							S
87307	10.194	0.038	9.791	0.045		0.400	0.020	G	0.47	0.02	H	9.7561	0.0039	0.025	55		9.71	9.79		C	17504−4131	I 1	1	S						G
87308	6.895	0.004	5.639	0.003		1.071	0.004	T	1.04	0.00	L	5.6832	0.0008	0.006	152		5.67	5.70					1							S
87309	8.581	0.016	8.079	0.018	*	0.472	0.022	T	0.54	0.02	L *	8.1602	0.0013	0.013	129	*	8.14	8.18		D	17504+3526	I 1	2 C	C	AB	96	3.413	0.028	1.90	0.08	S
87310	10.166	0.027	8.782	0.015		1.171	0.024	T	1.13	0.02	L	8.8091	0.0018	0.016	110		8.78	8.85		C			1							
87311	11.164	0.063	9.812	0.031		1.146	0.055	T	1.11	0.05	L	9.8748	0.0087	0.073	93		9.76	10.00		U 2			1	S						P
87312	7.372	0.006	6.835	0.005		0.529	0.004	G	0.60	0.00	H	6.8852	0.0008	0.009	116		6.87	6.90		C			1							S
87313	9.567	0.025	8.993	0.023	*	0.537	0.030	T	0.61	0.03	L *	9.1781	0.0024	0.022	112	*	9.13	9.22		D	17505+4112	I 1	2 C	A	AB	256	4.207	0.004	0.55	0.02	
87314	5.546	0.014	5.661	0.014	A	−0.099	0.017	T	−0.08	0.02	L	5.6496	0.0054	0.084	114	A	5.63	6.01		P 1 A	17505−5337	I 1	2 C	B	AB	267	12.343	0.033	3.75	0.17	S W
87315	7.962	0.009	7.839	0.009		0.119	0.012	T	0.13	0.01	L	7.8796	0.0017	0.014	109		7.86	7.90					1							S
87316	8.386	0.011	7.753	0.011		0.583	0.012	T	0.65	0.01	L	7.8125	0.0015	0.013	89		7.79	7.83					1							S
87317	7.986	0.009	7.987	0.009		0.004	0.012	T	0.02	0.01	L	8.0037	0.0010	0.010	105		7.98	8.03					1							S
87318	9.904	0.032	9.543	0.035		0.342	0.044	T	0.40	0.06	L	9.5203	0.0041	0.019	56		9.49	9.55					1	S						
87319	8.149	0.008	7.009	0.005	*	0.980	0.007	T	0.96	0.01	L *	7.0518	0.0012	0.010	132	*	7.04	7.07		D	17505+3651	I 1	2 C	A	AB	155	0.232	0.008	1.59	0.10	S
87320	8.947	0.011	8.497	0.011		0.424	0.014	T	0.49	0.01	L	8.5448	0.0013	0.014	124		8.52	8.57					1							
87321	9.297	0.010	7.847	0.006		1.223	0.009	T	1.18	0.01	L	7.8895	0.0011	0.015	240		7.86	7.92					1							
87322	12.218	0.238	10.249	0.060		1.419	0.016	G	1.76	0.00	A	10.2439	0.0035	0.022	59		10.20	10.29					1							G
87323	8.955	0.012	8.437	0.012	A	0.623	0.126	G	0.56	0.02	L *	8.4363	0.0018	0.013	112	*	8.41	8.46		D	17506+3932	M 1	2 C	A	AB	82	1.741	0.019	3.03	0.07	S
87324	7.529	0.005	7.213	0.005		0.328	0.015	G	0.38	0.02	H	7.2518	0.0012	0.012	153		7.23	7.27			17506−4930	I 1	1							S
87325	8.260	0.009	7.796	0.011	*	0.437	0.013	T	0.51	0.01	L *	7.8190	0.0012	0.010	98	*	7.80	7.84		D	17506+0714	I 1	2 C	A	AB	174	0.438	0.002	0.16	0.02	S
87326	7.926	0.008	7.806	0.012		0.116	0.013	T	0.13	0.01	L	7.8415	0.0013	0.011	112		7.82	7.87					1							S
87327	10.141	0.021	9.571	0.019		0.537	0.021	T	0.61	0.02	L	9.6294	0.0026	0.025	159		9.58	9.67		C			1							
87328	8.988	0.013	7.713	0.008		1.086	0.012	T	1.05	0.01	L	7.7709	0.0010	0.010	134		7.75	7.79		C			1							S
87329	10.735	0.074	10.134	0.074		0.602	0.020	G	0.67	0.02	H	10.2004	0.0039	0.024	58		10.14	10.24		C			1 X	S						G
87330	10.415	0.070	9.286	0.046		0.964	0.066	T	1.01	0.06	L	9.2480	0.0026	0.018	67		9.21	9.27					1							
87331	9.341	0.016	8.213	0.011		0.971	0.015	T	0.96	0.01	L	8.2575	0.0014	0.012	114		8.24	8.28		C			1							S
87332	9.902	0.036	9.364	0.036		0.546	0.015	G	0.62	0.01	H	9.4181	0.0031	0.021	64		9.39	9.47		C			1							G
87333	8.575	0.011	8.299	0.013		0.263	0.016	T	0.30	0.02	L	8.3522	0.0015	0.016	85		8.33	8.38		D			1							
87334	8.919	0.012	8.306	0.011		0.571	0.014	T	0.64	0.01	L	8.3703	0.0013	0.016	129		8.34	8.40		C			1							S
87335	7.812	0.009	6.332	0.005		1.247	0.004	G	1.21	0.00	H	6.3530	0.0008	0.008	89		6.34	6.37					1							S
87336	7.826	0.011	7.826	0.017		0.020	0.015	G	0.03	0.01	L	7.8358	0.0012	0.012	78		7.82	7.86					1							S
87337	9.014	0.020	8.635	0.021		0.370	0.025	T	0.43	0.03	L	8.6864	0.0032	0.016	56		8.66	8.71		C			1							
87338	8.686	0.015	8.300	0.015		0.365	0.020	T	0.43	0.02	L	8.3641	0.0019	0.016	69		8.34	8.39					1							
87339	10.342	0.025	9.137	0.015		1.031	0.023	T	1.00	0.02	L	9.1893	0.0018	0.021	158		9.14	9.22		C			1	S						
87340	9.487	0.018	8.434	0.012	A	0.700	0.495	G	0.89	0.02	L *	8.4607	0.0013	0.013	105	*	8.44	8.49		D	17508+4824	I 1	2 C	A	AB	155	1.080	0.028	3.09	0.10	
87341	6.429	0.003	6.171	0.003		0.242	0.004	T	0.27	0.01	L	6.2064	0.0008	0.008	148		6.20	6.23					1							S
87342	9.373	0.022	7.994	0.013		1.167	0.020	T	1.13	0.02	L	8.0360	0.0016	0.013	68		8.01	8.06		C			1							
87343						0.570	0.020	G	0.64	0.02	H	8.1383	0.0573	0.334	45		7.68	9.04		D	17509−3342	I 2		S						G
87344	8.013	0.012	6.798	0.006		1.039	0.010	T	1.01	0.01	L	6.8543	0.0012	0.008	61		6.84	6.87		C			1							S
87345	10.110	0.044	8.349	0.020		1.660	0.510	G	1.64	0.52	J	8.1089	0.0625	0.278	45		7.63	8.35		D	17509−3342	I 2	1 V							
87346											T	12.7593	0.0210	0.133	72		12.56	13.03					1							G
87347	9.373	0.015	8.916	0.015		0.431	0.019	T	0.50	0.02	L	8.9797	0.0022	0.020	128		8.94	9.02					1							
87348	11.027	0.074	10.372	0.070		0.611	0.020	G	0.68	0.02	H	10.3986	0.0043	0.029	49		10.35	10.44		C			1							G
87349	8.618	0.010	8.132	0.010		0.473	0.015	G	0.54	0.02	H	8.1950	0.0013	0.013	121		8.18	8.23		C			1							S
87350	8.423	0.009	7.263	0.006		0.996	0.008	T	0.97	0.01	L	7.3170	0.0009	0.010	162		7.30	7.33		C			1							S
87351	8.736	0.011	8.419	0.012		0.304	0.018	T	0.35	0.02	L	8.4534	0.0014	0.014	109		8.43	8.48					1							
87352	6.876	0.004	6.787	0.005		0.087	0.006	T	0.10	0.01	L	6.8196	0.0010	0.011	144		6.80	6.84					1							S
87353	9.767	0.016	7.713	0.007		1.745	0.020	G	2.14	0.02	A	7.5545	0.0026	0.022	171		7.52	7.59		U 2			1							S
87354	9.973	0.022	8.562	0.012		1.180	0.015	G	1.14	0.01	H	8.6138	0.0021	0.014	104		8.59	8.64					1							
87355	9.320	0.014	8.152	0.009	*	1.002	0.013	T	0.98	0.01	L *	8.1963	0.0011	0.016	104	*	8.18	8.22		D	17510+1821	H 1	2 C	A	AB	213	0.421	0.035	3.06	0.10	
87356	10.172	0.029	8.456	0.013		1.432	0.025	T	1.42	0.04	L	8.4486	0.0018	0.014	115		8.42	8.48		C			1							
87357	10.210	0.026	9.691	0.025		0.487	0.033	T	0.56	0.04	L	9.7434	0.0034	0.034	157		9.68	9.79					1							
87358	10.299	0.032	9.016	0.018		1.092	0.029	T	1.05	0.03	L	9.0670	0.0015	0.018	91		9.04	9.10		C	17511+1211	I 1	1							
87359	10.974	0.047	10.405	0.045		0.532	0.058	T	0.60	0.06	L	10.5255	0.0036	0.043	142		10.45	10.60					1	S						G
87360	7.611	0.014	7.625	0.019		0.007	0.003	G	0.03	0.00	H	7.6116	0.0009	0.010	73		7.60	7.63					1							S
87361	9.075	0.019	8.495	0.018		0.542	0.023	T	0.62	0.02	L	8.5361	0.0028	0.016	48		8.51	8.57		C			1							
87362	8.805	0.011	8.404	0.011		0.379	0.014	T	0.44	0.01	L	8.4497	0.0016	0.014	128		8.43	8.48		C			1							
87363	7.378	0.005	7.008	0.005		0.351	0.007	T	0.41	0.01	L	7.0490	0.0011	0.011	131		7.03	7.07					1							S
87364	8.299	0.015	8.216	0.018		0.149	0.015	G	0.16	0.01	H	8.2404	0.0017	0.011	49		8.21	8.27		C			1							
87365	8.714	0.014	6.987	0.007		1.441	0.012	T	1.44	0.02	L	6.9535	0.0011	0.009	69		6.94	6.97		C			1							S
87366	8.754	0.013	8.377	0.014		0.394	0.004	G	0.46	0.00	H	8.4281	0.0017	0.015	95		8.39	8.46					1							
87367	10.249	0.026	9.320	0.019		0.807	0.025	T	0.85	0.03	L	9.3995	0.0028	0.027	121		9.36	9.45					1							
87368	10.016	0.041	9.386	0.038		0.681	0.015	G	0.74	0.01	H	9.3838	0.0081	0.041	44		9.32	9.43		U			1							
87369	9.842	0.034	9.019	0.029		0.726	0.034	T	0.78	0.02	L	9.0413	0.0027	0.014	59		9.01	9.06		C			1							
87370	7.940	0.009	7.223	0.009		0.656	0.015	G	0.72	0.01	H	7.2732	0.0014	0.008	65		7.25	7.29					1							S
87371	9.024	0.012	7.907	0.008		0.962	0.011	T	0.95	0.01	L	7.9747	0.0012	0.013	120		7.95	8.00		C			1							S
87372	10.372	0.044	9.506	0.035	*	0.759	0.043	T	0.80	0.03	L *	9.4863	0.0016	0.016	73	*	9.47	9.51		D	17511−3809	H 1	2 C	S A	AB	25	0.183	0.010	0.65	0.34	
87373	9.621	0.016	9.250	0.016		0.362	0.020	T	0.42	0.02	L	9.2990	0.0025	0.023	136		9.26	9.34					1							
87374											T	12.4132	0.0100	0.084	94		12.23	12.54					1	S						G
87375	8.524	0.009	8.410	0.010		0.101	0.015	G	0.11	0.02	H	8.4429	0.0022	0.019	156		8.41	8.48					1	S						
87376	10.430	0.032	9.695	0.027		0.659	0.032	T	0.72	0.03	L	9.7497	0.0023	0.023	114		9.71	9.78		C			1							G
87377	8.556	0.032	8.098	0.032	B	0.397	0.015	G	0.46	0.02	H *	7.4237	0.0015	0.015	114	*	7.41	7.46		D	17512+4455	I 1	2 C	A	AB	326	3.415	0.003	0.09	0.02	S
87378	10.588	0.063	9.825	0.053		0.680	0.063	T	0.74	0.05	L	9.8587	0.0022	0.019	52		9.82	9.89		C			1							G
87379	6.088	0.003	6.082	0.003		0.010	0.004	T	0.03	0.00	L	6.0967	0.0006	0.006	120		6.09	6.11		C			1							S
87380	8.227	0.016	8.099	0.019	B	0.146	0.022	G	0.19	0.06	L	8.1980	0.0224			B				D	17512−3033	I 2	1 C	I A						
87381	6.723	0.006	6.704	0.010	A	0.026	0.003	G	0.04	0.00	H	6.7199	0.0065	0.020	51	A	6.70	6.77		D	17512−3033	I 2	1 C	P A						S
87382	7.209	0.005	6.633	0.005		0.541	0.005	T	0.61	0.01	L	6.6720	0.0008	0.008	117		6.66	6.69		C			1							S
87383	9.047	0.025	8.559	0.026		0.471	0.028	T	0.54	0.03	L	8.5941	0.0012	0.014	78		8.57	8.62		C			1							
87384	11.844	0.127	10.755	0.076		0.941	0.113	T	0.93	0.08	L	10.9329	0.0037	0.037	109		10.85	11.00					1							G
87385	7.074	0.005	6.777	0.006		0.282	0.007	T	0.32	0.01	L	6.8209	0.0011	0.006	105		6.81	6.83					1							S
87386	6.929	0.005	6.643	0.004		0.271	0.007	T	0.31	0.01	L	6.6843	0.0010	0.008	110		6.67	6.70					1							S
87387	10.371	0.047	8.537	0.019		1.526	0.040	T	1.57	0.06	L	8.5190	0.0014	0.013	90		8.50	8.54		C			1							
87388						1.367	0.015	G	1.60	0.03	I	11.6994	0.0055	0.051	114		11.59	11.79					1	S						D
87389	10.641	0.031	9.693	0.022	*	0.836	0.028	T	0.85	0.02	L *	9.7229	0.0024	0.029	161	*	9.68	9.78		C	17515−5007	H 1	2 C	A	AB	259	0.250	0.028	1.05	0.44	G
87390	7.964	0.010	6.135	0.005		1.572	0.015	G	2.12	0.05	F	6.0126	0.0028	0.027	74		5.97	6.04		U 2	17515−4046	I 1	1	S						S P
87391	8.948	0.020	8.919	0.028		0.132	0.015	G	0.15	0.01	H	8.9095	0.0039	0.020	49		8.88	8.96					1							
87392	9.290	0.018	7.753	0.010		1.291	0.016	T	1.25	0.02	L	7.7577	0.0011	0.011	135		7.74	7.78		C			1							S
87393	7.062	0.005	5.886	0.003		1.008	0.005	T	0.98	0.00	L	5.9411	0.0008	0.007	123		5.93	5.96			17516−6010	I 1	1							S
87394	10.036	0.018	9.613	0.019		0.413	0.021	T	0.48	0.02	L	9.6924	0.0026	0.029	166		9.63	9.74					1							
87395	9.304	0.029	7.931	0.018		1.162	0.027	T	1.12	0.02	L	7.9576	0.0016	0.013	40		7.93	7.98					1							
87396	9.840	0.026	8.150	0.013		1.412	0.023	T	1.39	0.03	L	8.0982	0.0015	0.010	63		8.08	8.12					1							
87397	9.119	0.016	9.254	0.024		−0.090	0.015	G	−0.07	0.02	H	9.2263	0.0034	0.030	86		9.17	9.28		U 2			1							
87398	9.506	0.016	8.163	0.010		1.139	0.015	T	1.10	0.02	L	8.2098	0.0015	0.015	127		8.18	8.23					1							
87399	8.096	0.013	7.409	0.009		0.623	0.012	T	0.69	0.01	L	7.4659	0.0017	0.012	59		7.45	7.49		C			1							S
87400	11.077	0.055	9.902	0.031		1.008	0.049	T	0.98	0.04	L	10.0551	0.0023	0.021	109		10.00	10.09					1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)											Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π δ	π $\alpha*$	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$		F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr													%	
1 2	3	4	5 6 7		8	9 10		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
87401	17 51 40.10	+25 05 47.0	9.17	H	267.917 089 55	+25.096 389 59		2.47	16.48	1.47	0.68	0.88	1.29	0.86	1.00	+ 2	−11	−13	+ 7	+ 5	−13	+ 5	+14	−16	+10		0	0.22
87402	17 51 40.72	−12 28 35.2	10.36	H	267.919 658 60	−12.476 432 78		14.10	8.99	184.50	1.73	1.10	1.87	1.90	1.24	+15	−36	−10	+12	+16	− 9	+ 7	−27	+ 8	+ 0		0	−0.11
87403	17 51 41.02	−67 36 26.4	7.89	H	267.920 899 86	−67.607 327 08		1.89	6.89	4.54	0.53	0.68	1.05	0.72	0.89	+12	−11	−13	+30	−26	+ 4	−24	+15	− 6	+12		0	−0.81
87404	17 51 44.55	−45 36 02.5	6.09	H	267.935 629 58	−45.600 686 94		4.78	11.16	−7.98	0.74	0.55	0.86	0.82	0.57	− 6	−33	−25	+38	−21	− 3	−18	+31	−14	−36		0	2.37
87405	17 51 44.72	+56 07 12.7	7.04	H	267.936 350 61	+56.120 193 95		7.34	24.42	−0.17	0.54	0.49	0.55	0.65	0.63	− 7	+ 5	− 1	+12	+13	− 4	+12	+ 9	−20	−14		0	1.30
87406	17 51 44.93	−04 13 52.9	8.41	H	267.937 209 63	−04.231 361 76		4.28	−9.47	−2.19	0.92	0.66	1.05	0.94	0.75	+ 7	−36	−15	− 4	+ 7	+ 8	+ 5	− 5	+ 7	−18		0	1.19
*87407 H	17 51 45.36	+28 14 15.9	8.93	H	267.939 016 46	+28.237 751 46	A	6.78	19.35	−18.13	1.47	1.70	1.88	1.60	1.77	− 5	− 4	− 7	− 4	+ 8	− 5	+ 8	− 5	+ 7	+12		1	−0.73
*87408	17 51 45.36	+49 53 01.4	9.17	2 H	267.939 007 07	+49.883 710 66		3.87	−7.99	23.56	0.81	0.68	0.82	1.00	0.85	+13	−18	+ 2	+ 2	+ 3	− 1	+ 6	+14	−20	+21		0	1.56
87409	17 51 47.93	+15 00 23.8	7.53	H	267.949 718 70	+15.006 622 51		6.35	2.35	−23.88	0.67	0.58	1.01	0.80	0.72	+20	−30	− 9	+22	+32	+ 9	+40	+34	−33	− 6		0	1.28
87410	17 51 48.51	−19 31 30.0	6.80	H	267.952 118 00	−19.525 012 74		12.60	8.46	−74.44	1.01	0.66	0.93	1.12	0.65	−49	−21	−14	−42	+60	−10	+55	−74	+14	−48		2	−1.13
87411	17 51 49.63	−21 03 31.3	8.65	H	267.956 810 56	−21.058 708 06		5.31	15.06	−2.05	1.27	0.82	1.42	1.47	0.81	−10	−31	−29	− 8	+53	−29	+29	−67	+24	−41		0	−0.70
87412	17 51 50.61	−44 20 09.5	9.14	H	267.960 879 49	−44.335 982 04		5.68	4.27	−51.96	1.32	1.07	1.50	1.83	1.39	+ 3	−20	− 9	+33	+15	+ 0	+ 9	+40	+16	+13		0	1.18
87413	17 51 50.66	−16 17 45.1	11.39	G	267.961 100 62	−16.295 849 24		7.03	60.72	−163.40	2.56	1.53	2.92	3.38	1.71	+15	−28	−22	− 2	+ 9	−25	+ 2	−42	+ 6	+13		0	0.76
87414	17 51 51.77	−84 06 40.1	7.63	H	267.965 721 09	−84.111 134 49		13.71	13.44	−7.96	0.53	0.55	0.66	0.62	0.60	− 5	−17	−11	+18	− 7	−16	−11	+ 2	+ 2	−26		0	0.77
87415	17 51 52.18	+12 00 28.9	7.78	H	267.967 416 28	+12.008 031 25		6.53	−4.68	−9.21	0.76	0.65	0.97	0.71	0.66	−19	−17	− 4	−15	+39	+ 6	+38	+26	−23	− 7		2	1.22
87416	17 51 52.23	+49 16 27.7	8.56	H	267.967 622 31	+49.274 351 01		1.33	−8.50	5.17	0.72	0.68	0.77	0.79	0.74	+20	−24	− 6	+11	+11	−10	+16	+24	−26	+24		0	1.61
87417 H	17 51 52.55	+02 53 59.4	8.17	H	267.968 978 39	+02.899 833 51	A	2.92	−13.51	−9.62	1.70	1.39	1.71	2.17	1.76	+11	−20	−29	−24	−32	+15	−23	−29	+ 8	+27		1	0.81
87418	17 51 52.65	+61 25 08.3	9.16	H	267.969 365 88	+61.418 985 56		2.41	12.01	18.16	0.79	0.73	0.77	0.89	0.85	+19	− 2	−16	+17	+10	+ 7	+11	+20	− 6	+18		0	−1.56
87419	17 51 52.89	−28 47 12.2	10.11	H	267.970 376 88	−28.786 713 32		2.22	−0.76	−41.21	1.77	1.18	1.85	2.45	1.62	−21	−34	− 4	+20	−16	−17	−17	+17	+ 5	−42		0	−0.37
87420	17 51 52.97	+13 33 07.5	8.27	G	267.970 711 20	+13.552 075 61		10.92	−25.18	−58.16	0.77	0.71	1.05	0.81	0.72	− 8	−22	+ 6	+ 1	+45	+10	+43	+22	−14	− 1		0	0.27
87421	17 51 54.53	−72 40 05.3	9.22	H	267.977 214 71	−72.668 148 39		0.18	−13.51	−6.58	0.67	0.94	1.26	0.71	1.10	− 6	−13	+ 9	+16	− 9	−15	− 9	+10	− 1	− 2		1	−0.18
87422	17 51 55.05	−25 46 22.6	7.79	H	267.979 392 54	−25.772 939 28		4.40	9.39	−14.33	0.93	0.60	1.00	1.25	0.78	−19	−31	− 3	+ 9	−16	−16	−12	+14	− 7	−32		0	0.31
87423 H	17 51 55.85	+07 23 47.5	8.17	G	267.982 691 21	+07.396 539 73	A	0.64	−2.65	−8.59	2.10	1.81	1.70	1.42	1.16	−24	+ 1	−17	− 6	+18	−21	+10	+ 3	+ 2	+20		0	0.32
87424	17 51 57.38	−11 19 45.0	10.10	G	267.989 073 96	−11.329 158 44		6.10	−8.21	−20.35	1.72	1.21	1.89	2.21	1.46	+38	−30	−26	− 9	−18	−21	−30	−39	+16	+17		0	0.04
87425	17 51 57.41	+81 39 42.8	8.94	H	267.989 192 26	+81.661 888 08		11.18	−16.95	102.54	0.72	0.66	0.77	0.79	0.89	+ 5	−29	−11	+ 2	+ 1	+11	+ 4	+10	− 5	+ 9		0	−1.95
87426	17 51 57.87	+54 36 45.4	10.59	G	267.991 111 31	+54.612 606 65		13.84	−63.80	197.17	1.14	1.11	1.21	1.29	1.33	+15	+ 3	+ 0	+ 9	+ 4	−12	+ 4	+10	−20	+16		1	2.70
87427 H	17 51 58.46	+15 19 34.6	6.43	H	267.993 603 55	+15.326 274 17	B	7.40	−6.88	40.23	1.80	1.58	2.00	1.88	1.48	+42	+ 9	+14	+14	+33	+16	+42	+30	+14	+19		2	1.58
87428	17 51 59.45	−01 14 12.5	6.33	H	267.997 699 52	−01.236 811 50		7.33	−3.25	2.44	0.89	0.56	0.98	1.01	0.62	+37	−43	−37	+24	− 3	+24	+ 8	+ 3	+ 2	+32		5	−0.89
87429	17 52 00.04	−28 22 08.9	9.82	G	268.000 171 40	−28.369 139 37		−0.54	−0.68	0.97	2.56	1.45	2.19	2.54	1.65	−35	−51	+ 4	+14	−21	−17	−26	+19	+10	−20		0	1.59
87430	17 52 00.07	+04 29 14.3	6.70	H	268.000 293 72	+04.487 298 02		3.93	−0.51	−0.39	0.99	0.85	1.08	1.07	0.93	+57	−53	−30	−29	−52	+24	−40	−57	+ 1	+51		0	0.56
87431	17 52 00.30	+31 07 13.6	8.29	H	268.001 237 98	+31.120 448 58		3.36	−10.98	−21.20	0.60	0.73	0.88	0.69	0.79	+10	−16	−12	+29	+15	−23	+16	− 9	+ 2	+21		0	−0.61
87432	17 52 00.72	+01 05 57.2	7.22	H	268.003 004 23	+01.099 228 64		3.68	5.86	7.22	0.81	0.64	0.95	0.97	0.74	− 6	−25	+ 2	+ 1	+14	+26	+16	−11	+ 1	+ 7		0	1.72
87433	17 52 00.73	−28 01 20.5	8.58	H	268.003 026 95	−28.022 374 10		−2.40	−1.11	−1.76	1.17	0.77	1.27	1.48	1.01	− 8	−44	−30	+28	−21	+ 6	−17	+37	− 2	−42		0	2.02
*87434	17 52 00.88	+46 38 37.9	6.37	H	268.003 682 46	+46.643 855 63		9.31	30.21	−115.78	0.48	0.48	0.54	0.62	0.59	+ 2	−12	−12	+ 8	+12	−14	+10	+13	− 1	+ 1		1	−0.68
*87435	17 52 00.86	+06 43 46.7	7.60	H	268.003 598 22	+06.729 641 43		13.43	−0.58	24.24	0.73	0.58	0.93	0.75	0.64	−24	−28	− 1	+ 6	+29	+ 0	+35	− 8	−13	+ 5		0	−0.20
87436	17 52 00.91	−09 58 41.4	8.83	G	268.003 808 76	−09.978 175 33		4.16	21.59	−9.98	1.11	0.79	1.27	1.20	0.91	−12	−37	+ 2	− 8	+ 1	+13	− 2	−37	+ 0	−22		3	1.18
87437 H	17 52 00.98	+15 42 16.6	10.17	H	268.004 063 32	+15.704 606 27	A	12.67	−128.53	−153.75	2.12	2.31	2.62	2.19	2.37	+ 4	− 6	+20	+19	+46	+20	+46	+31	+ 9	+ 2		4	0.07
87438	17 52 01.77	−32 03 14.2	9.32	H	268.007 364 86	−32.053 945 41		8.04	3.87	20.34	1.60	1.17	1.60	2.05	1.52	− 6	−33	−19	+37	−24	+ 2	−17	+39	−17	−42		0	−0.14
87439	17 52 02.50	+16 37 57.2	7.55	H	268.010 413 21	+16.632 547 67		6.05	−8.98	2.45	0.60	0.61	0.90	0.76	0.78	−13	−17	− 1	+26	+11	+ 0	+10	+26	+ 3	−34		0	−0.89
87440	17 52 02.57	+24 18 16.1	7.00	H	268.010 694 25	+24.304 486 11		3.73	2.92	−9.27	0.35	0.52	0.74	0.46	0.64	+ 3	− 8	− 9	+10	+ 5	− 2	+ 5	+25	−12	+ 7		0	1.00
87441	17 52 03.06	+33 53 17.7	7.34	H	268.012 753 46	+33.888 239 23		5.07	−8.79	−12.59	0.51	0.55	0.68	0.52	0.58	+10	−20	−18	+19	+15	−17	+13	− 8	+ 7	+16		0	0.61
87442	17 52 03.62	−04 46 37.0	8.43	H	268.015 076 63	−04.776 945 14		2.60	−3.97	−12.25	1.05	0.70	1.17	1.03	0.80	− 7	−47	−13	+ 1	− 1	+ 8	− 2	− 1	+ 4	−29		0	0.35
87443	17 52 03.90	−38 15 29.7	8.69	H	268.016 270 63	−38.258 257 08		8.59	28.72	17.68	1.19	0.78	1.34	1.56	0.88	+ 0	−29	−14	+25	−16	+10	−14	+47	− 3	+20		0	−0.11
87444	17 52 04.22	−15 01 34.1	8.22	H	268.017 587 25	−15.026 146 92		1.91	−1.83	1.31	1.12	0.69	1.37	1.31	0.71	−14	−12	−32	−34	+33	−47	+18	−51	+27	−38		0	1.29
*87445	17 52 04.73	+39 58 55.1	6.01	H	268.019 708 21	+39.981 963 97		4.67	−12.64	51.50	0.43	0.45	0.52	0.48	0.55	+ 2	+ 7	− 3	+ 6	+ 4	− 4	+ 5	+ 3	+ 3	+ 7		0	−0.67
*87446	17 52 04.96	+33 54 39.4	8.39	2 H	268.020 685 08	+33.910 952 64		1.86	−15.19	−27.93	0.63	0.67	0.84	0.67	0.73	+11	−28	−16	+ 5	+10	− 8	+ 6	− 7	+12	+16		0	1.67
*87447	17 52 04.72	−60 23 36.4	7.46	H	268.019 651 28	−60.393 444 75	A	11.30	16.96	−67.72	0.87	0.81	1.07	0.97	0.80	+ 0	− 8	−10	−12	−20	+23	−17	−37	+10	+ 8		2	0.44
87448	17 52 05.21	+01 06 40.3	6.55	H	268.021 691 96	+01.111 197 31		7.01	−7.41	−10.18	0.74	0.59	0.87	0.88	0.67	−10	−24	− 5	− 1	+16	+26	+20	−11	+ 3	+ 9		0	1.39
87449	17 52 05.80	+26 17 26.3	7.95	H	268.024 166 47	+26.290 647 80		4.85	−1.92	−41.24	0.51	0.54	0.79	0.69	0.64	+11	+ 5	−10	+ 2	+18	− 6	+14	+15	+ 9	+21		0	−0.29
*87450	17 52 07.25	−59 11 05.9	8.81	H	268.030 203 19	−59.184 969 91		3.17	1.62	−23.73	0.86	0.72	1.03	0.94	0.75	−29	−22	+ 5	−39	+21	+18	+24	−54	− 1	−12		0	1.36
*87451	17 52 07.25	+08 49 22.6	8.10	H	268.030 200 17	+08.822 956 00		1.81	−8.03	−7.11	0.82	0.64	1.07	0.97	0.58	−30	+13	−26	−22	+53	−33	+42	+16	− 4	−25		0	0.06
87452	17 52 07.78	−43 12 17.5	8.03	H	268.032 432 01	−43.204 864 94		0.58	0.95	−5.94	1.12	0.81	1.18	1.24	0.83	+ 6	−24	−22	+37	−28	+ 6	−24	+39	− 3	− 4		0	−0.32
87453	17 52 09.14	−24 40 00.7	12.09	G	268.038 073 47	−24.666 866 90		29.49	−39.69	83.04	33.40	23.77	36.21	40.73	26.94	+ 7	−28	−21	+11	− 9	− 7	− 8	+ 8	− 5	−19		5	
87454	17 52 09.23	+42 51 25.8	7.56	H	268.038 465 57	+42.857 159 76		2.95	6.61	−14.23	0.53	0.59	0.62	0.65	0.76	+ 3	+ 9	− 2	+ 3	+ 1	− 4	+ 6	+41	− 3	−10		1	−0.28
87455	17 52 10.81	−28 27 04.1	8.46	H	268.045 032 43	−28.451 129 55		1.10	1.53	−1.34	1.30	0.84	1.48	1.66	1.06	− 3	−40	−23	+21	−15	−28	−20	+16	+ 0	−37		0	−0.16
87456	17 52 11.70	−30 09 06.0	8.71	H	268.048 750 44	−30.151 656 65		0.42	0.09	−1.19	1.64	1.08	1.62	2.61	1.56	−16	+12	− 6	+48	−11	+33	−11	+37	−10	−20		0	−1.25
87457	17 52 11.83	+64 46 11.5	11.15	G	268.049 278 42	+64.769 865 13		31.94	−1.38	−347.21	1.48	1.34	1.45	1.77	1.61	− 2	−26	−10	−18	+17	− 2	+14	−18	+ 5	+11		1	−1.62
87458	17 52 13.24	−22 09 40.4	8.98	G	268.055 159 40	−22.161 216 48		−1.03	−11.92	−16.72	2.38	1.39	2.81	3.26	1.53	+17	−26	−22	+ 2	+11	−33	− 4	−47	+15	+ 2		2	−1.45
87459	17 52 13.33	+32 00 50.2	7.20	H	268.055 555 20	+32.013 937 26		4.39	−1.42	−0.01	0.49	0.54	0.68	0.55	0.57	+ 9	−24	−18	− 8	+ 5	− 9	+ 2	−16	+ 5	+ 5		0	−0.15
87460	17 52 13.66	−34 47 57.1	5.88	G	268.056 912 99	−34.799 183 58		3.93	3.29	−5.35	0.76	0.56	0.87	1.00	0.72	+ 1	−31	−16	+10	+ 8	−21	+ 0	+10	+17	−24		0	−1.30
87461	17 52 14.80	−53 17 21.6	10.60	G	268.061 649 45	−53.289 327 30		4.99	−20.56	−6.37	4.12	2.93	4.81	5.13	3.35	−29	−23	− 9	+18	−28	+ 1	−28	− 1	+ 9	−42		2	
87462	17 52 15.34	+44 40 09.1	8.43	H	268.063 919 31	+44.669 180 98		2.55	11.74	1.66	0.69	0.68	0.77	0.79	0.79	+ 8	− 3	+ 4	−21	+10	−11	+ 9	+ 9	+10	+11		0	0.90
87463	17 52 15.93	+38 41 05.5	8.17	H	268.066 360 73	+38.684 859 92		2.65	5.78	13.31	0.65	0.69	0.81	0.73	0.88	+ 2	− 5	−12	+ 7	+ 5	−13	+ 5	+15	−14	−10		0	−1.16
87464	17 52 16.74	−07 33 40.6	9.94	G	268.069 752 19	−07.561 264 76		32.41	−226.80	353.31	1.52	1.17	1.94	2.03	1.40	− 3	−21	−42	− 2	+36	−34	+10	−46	+40	−36		0	−0.73
87465	17 52 16.95	+34 12 04.3	8.55	H	268.070 644 18	+34.201 183 43		6.90	12.04	−49.26	0.64	0.64	0.81	0.64	0.69	+ 3	−20	− 9	+ 4	+13	− 9	+12	−11	+13	+16		5	−0.88
87466	17 52 17.07	−31 19 41.2	6.97	H	268.071 144 69	−31.328 113 86		7.14	−17.79	−17.07	1.16	0.88	1.17	1.80	1.31	−16	−22	−38	+46	−30	− 4	−31	+42	−16	−41		0	−2.20
87467	17 52 18.17	+36 24 08.8	10.35	H	268.075 689 46	+36.402 433 49		5.91	−154.86	−244.96	0.97	0.98	1.17	1.16	1.12	+ 0	− 9	−12	+34	+ 2	+ 3	+ 3	+11	−13	+ 0		0	−0.96
87468	17 52 18.22	−13 39 23.2	8.94	H	268.075 903 45	−13.656 444 33		3.93	5.50	−2.14	1.37	0.79	1.46	1.75	0.94	+ 0	−34	− 8	+16	+19	− 5	+17	−26	+ 5	+ 7		3	1.77
87469 H	17 52 18.54	−51 42 50.2	7.40	G	268.077 268 23	−51.713 936 18	*	11.67	22.00	40.79	1.33	1.01	1.12	1.05	0.66	−15	−29	− 4	− 9	−15	+11	−20	−39	+32	−21		1	0.51
87470	17 52 19.13	+76 00 02.3	7.37	H	268.079 724 61	+76.000 626 16		4.58	1.05	17.54	0.51	0.51	0.54	0.51	0.59	+ 7	−20	+ 2	−10	+ 3	−21	+ 8	−22	−10	+20		0	1.76
87471	17 52 19.32	−03 01 27.4	8.69	H	268.080 502 03	−03.024 285 86		5.65	−8.59	−29.57	1.07	0.71	1.19	1.12	0.79	+10	−34	− 2	+ 2	− 6	− 9	− 4	− 9	+ 4	+ 7		0	−0.49
87472	17 52 19.76	−34 25 00.6	5.84	H	268.082 332 16	−34.416 830 44		4.38	3.35	−4.86	0.81	0.61	0.92	1.13	0.80	+ 2	−23	−21	+19	+ 4	−26	− 6	+10	+16	−34		0	−1.25
87473	17 52 20.35	−71 10 37.8	9.00	1 H	268.084 786 10	−71.177 167 07		3.05	0.83	−31.67	0.63	0.97	1.40	0.67	1.17	− 3	−11	+ 0	+ 6	−25	− 7	−26	+ 8	−12	−20		0	−1.02
87474	17 52 21.06	+06 46 03.4	7.81	2 H	268.087 741 21	+06.767 615 95		2.45	5.80	−44.89	0.74	0.58	0.93	0.76	0.65	−33	−30	+ 7	+ 5	+22	+ 6	+34	−15	−26	− 1		0	−1.13
87475	17 52 22.38	−01 25 48.7	7.71	H	268.093 264 47	−01.430 205 67		5.90	2.33	−14.30	0.88	0.60	1.05	1.28	0.72	+18	−10	−24	+30	− 6	+46	+ 8	+ 1	+17	+32		0	0.19
87476	17 52 23.46	−18 05 24.4	7.57	G	268.097 769 23	−18.090 099 95		8.40	−10.44	6.68	0.80	0.47	0.88	0.76	0.48	+ 7	−41	−12	+ 1	+13	− 1	+ 5	−32	+ 4	−15		0	1.45
87477	17 52 23.93	+24 59 33.6	7.40	1 H	268.099 720 96	+24.992 671 23		5.82	−3.46	−14.36	0.43	0.56	0.80	0.58	0.67	+ 1	− 5	− 6	− 4	− 1	−22	− 2	+14	−15	+ 7		0	1.73
87478	17 52 25.38	+60 23 46.6	6.86	H	268.105 733 50	+60.396 270 63		5.09	−1.72	42.28	0.52	0.50	0.53	0.61	0.54	+ 9	−10	− 9	+ 4	+12	+ 0	+10	+ 7	+ 6	+22		0	−0.18
87479	17 52 25.60	+11 59 28.6	8.39	H	268.106 669 42	+11.991 274 26		16.10	−10.66	39.55	0.85	0.76	1.11	0.79	0.75	−24	−30	+11	−11	+40	+ 6	+40	+20	−24	− 9		2	−0.23
87480	17 52 26.70	+02 59 39.2	7.57	H	268.111 245 97	+02.994 219 61		6.61	26.00	−3.91	0.86	0.64	1.02	0.96	0.79	+17	−47	−23	− 7	− 7	+15	+ 5	−10	−10	+32		0	1.91
87481	17 52 26.95	+17 14 29.0	8.57	H	268.112 304 66	+17.241 400 41		3.12	12.83	−5.41	0.96	0.85	1.20	1.12	0.95	+17	−13	− 4	+49	+35	+ 1	+30	+25	− 1	− 1		0	−0.44
87482	17 52 26.98	−29 33 13.4	8.26	H	268.112 413 20	−29.553 728 12		7.98	4.64	−21.82	1.04	0.72	1.11	1.50	1.00	− 7	− 4	− 2	+15	+ 6	− 4	+ 4	+ 9	+14	−31		0	2.17
87483	17 52 28.36	+50 23 29.9	8.17	H	268.118 165 60	+50.391 649 41		1.47	10.71	−7.40	0.62	0.59	0.69	0.80	0.78	+ 7	− 9	−12	+ 2	− 7	+ 0	− 2	+23	−33	+ 1		0	1.24
87484	17 52 30.45	−20 33 52.5	10.79	G	268.126 864 25	−20.564 572 23		10.64	−30.77	−218.90	2.50	1.42	2.46	2.60	1.39	−27	−41	+ 1	−29	+43	−11	+41	−71	− 4	−19		4	0.85
87485	17 52 31.19	+16 54 02.1	6.60	H	268.129 939 84	+16.900 595 76		11.57	40.66	−34.18	0.56	0.53	0.80	0.64	0.59	+ 8	−22	− 7	+37	+31	−13	+25	+18	+10	− 5		0	0.96
87486	17 52 32.14	+27 11 37.5	7.30	H	268.133 930 96	+27.193 738 50		11.65	22.93	−24.83	0.47	0.50	0.70	0.61	0.56	+ 6	−12	−10	+10	+12	− 3	+10	+12	+ 1	+10		0	0.19
87487	17 52 33.00	+14 01 53.2	11.87	H	268.137 482 56	+14.031 436 61		19.21	−72.25	−201.06	2.41	2.25	3.90	2.94	2.63	+18	−25	+ 2	+22	+38	+ 3	+38	+23	−17	−10		0	−1.27
87488	17 52 33.13	−60 49 13.8	8.51	H	268.138 058 05	−60.820 493 32		5.46	−1.60	−42.39	0.85	0.80	1.07	1.03	0.80	+ 4	− 7	+ 8	−26	−10	+ 4	− 5	−56	+ 5	+25		0	−0.57
87489	17 52 33.24	−00 07 15.8	8.96	H	268.138 511 51	−00.121 051 69		6.07	3.88	−10.89	1.32	0.94	1.42	1.50	1.10	+19	−30	−21	−30	− 5	−19	−11	−41	+ 9	+31		0	−0.96
87490	17 52 34.14	+01 42 34.6	7.75	1 H	268.142 233 25	+01.709 613 59		7.38	40.72	10.74	0.92	0.68	1.10	1.08	0.78	− 6	−29	+ 1	+ 9	+22	+38	+31	− 9	+ 0	+23		3	1.64
87491	17 52 35.46	+01 18 18.2	5.91	H	268.147 763 51	+01.305 049 81		9.30	−32.72	−14.91	0.74	0.57	0.87	0.88	0.65	− 6	−30	−10	+ 0	+16	+24	+18	− 9	+ 3	+ 6		0	2.69
87492	17 52 35.90	−69 01 45.2	9.60	1 H	268.149 589 98	−69.029 216 67		−2.24	27.57	−24.11	0.87	1.06	1.55	0.98	1.31	+13	−12	+ 8	+ 6	−28	− 6	−29	− 8	− 1	+19		1	0.43
87493	17 52 36.22	+15 44 00.2	8.64	H	268.150 913 26	+15.733 383 96		3.87	−2.36	− 9.07	0.78	0.76	1.15	0.90	0.86	+ 8	−18	− 2	+15	+35	+ 1	+36	+24	− 5	+12		2	1.05
87494	17 52 37.06	−05 15 43.3	6.82	H	268.154 436 31	−05.262 021 87		7.28	−12.19	−18.75	0.93	0.53	1.05	0.93	0.63	− 3	−57	−13	− 4	+ 6	+18	+ 7	−17	− 1	−16		0	1.10
87495	17 52 38.70	−06 08 36.8	6.18	2 T	268.161 265 97	−06.143 565 06		1.14	−0.70	− 5.09	0.81	0.63	0.80	0.99	0.74	−36	− 6	−23	−35	+45	−11	+40	−53	+19	−46		0	1.87
87496	17 52 38.97	+08 38 53.4	7.79	H	268.162 357 13	+08.648 152 91		5.66	8.46	− 8.91	0.80	0.58	1.00	1.08	0.75	−28	+ 5	−13	−24	+38	− 6	+43	+ 9	−28	−38		0	0.25
87497	17 52 39.69	+29 43 16.3	9.31	2 H	268.165 386 49	+29.721 196 84		2.36	−17.11	− 6.92

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
87401	10.571	0.028	9.302	0.015		1.081	0.025	T	1.04	0.02	L	9.3384	0.0021	0.024	190		9.29	9.38		C			1 S							
87402	11.404	0.088	10.480	0.062		0.901	0.015	G	0.94	0.02	I	10.5190	0.0040	0.033	71		10.48	10.58					1							G
87403	9.744	0.012	8.038	0.006		1.424	0.011	T	1.41	0.02	L	8.0293	0.0014	0.017	225		8.01	8.06					1							
87404	7.290	0.008	6.199	0.005		0.949	0.001	G	0.94	0.00	H	6.2551	0.0016	0.007	63		6.24	6.27					1							S
87405	7.332	0.006	7.074	0.006		0.246	0.008	T	0.28	0.01	L	7.1137	0.0012	0.010	112		7.10	7.14					1							S
87406	8.605	0.013	8.434	0.014		0.164	0.018	T	0.18	0.02	L	8.4662	0.0021	0.014	71		8.44	8.49		C			1							
87407	9.320	0.019	8.674	0.019	*	0.600	0.023	T	0.67	0.02	L *	9.0577	0.0026	0.025	160	*	9.02	9.09		D	17518+2814	I 1	2 C	A	AB	319	2.436	0.006	0.54	0.02	
87408	9.566	0.022	9.247	0.024		0.303	0.030	T	0.35	0.04	L	9.2484	0.0038	0.032	95		9.19	9.29		U 2			1							
87409	7.958	0.008	7.561	0.008		0.358	0.010	G	0.42	0.01	H	7.6157	0.0015	0.013	112		7.59	7.64					1							S
87410	7.152	0.005	6.831	0.005		0.308	0.008	T	0.35	0.01	L	6.8715	0.0008	0.007	113		6.86	6.89					1							S
87411	10.171	0.026	8.823	0.015		1.143	0.024	T	1.11	0.02	L	8.8171	0.0016	0.016	98		8.79	8.84		C			1 S							
87412	9.746	0.026	9.200	0.025		0.518	0.027	T	0.59	0.03	L	9.2500	0.0037	0.017	56		9.22	9.28		C			1							
87413						0.697	0.007	G	0.75	0.01	H	11.5067	0.0046	0.040	87		11.40	11.58					1							G
87414	8.348	0.009	7.692	0.008		0.600	0.009	T	0.67	0.01	L	7.7573	0.0009	0.012	122		7.73	7.78					1							S
87415	9.076	0.013	7.886	0.008		1.019	0.012	T	0.99	0.01	L	7.9428	0.0017	0.015	92		7.91	7.97					1							
87416	10.610	0.037	8.783	0.015		1.520	0.032	T	1.56	0.05	L	8.6756	0.0021	0.019	114		8.64	8.71					1							
87417	8.450	0.012	8.258	0.014	A	0.400	0.495	G	0.16	0.04	L *	8.2253	0.0023	0.013	62	*	8.20	8.25		D	17519+0254	I 1	2 C	A	AB	66	2.304	0.014	2.12	0.06	S
87418	9.577	0.019	9.161	0.019		0.393	0.025	T	0.46	0.03	L	9.2505	0.0021	0.020	97		9.21	9.28		C			1							
87419	10.750	0.084	10.157	0.078		0.450	0.020	G	0.52	0.02	H	10.2154	0.0030	0.023	60		10.12	10.25		C			1							G
87420	9.149	0.014	8.353	0.012		0.720	0.020	G	0.77	0.01	H	8.4021	0.0014	0.014	114		8.38	8.43					1							
87421	10.688	0.028	9.359	0.015		1.128	0.025	T	1.09	0.03	L	9.3894	0.0022	0.028	215		9.33	9.43					1							
87422	9.172	0.021	7.914	0.014		1.072	0.020	T	1.04	0.02	L	7.9611	0.0015	0.010	62		7.94	7.99					1							
87423	8.096	0.009	8.143	0.011	*	−0.020	0.015	G	0.00	0.01	H *	8.1242	0.0017	0.013	97	*	8.10	8.15		D	17519+0724	I 1	2 C	A	AB	44	0.384	0.004	1.03	0.02	S
87424	10.864	0.056	10.170	0.049		0.683	0.020	G	0.74	0.02	H	10.2605	0.0042	0.030	69		10.19	10.31		C			1							G
87425	9.693	0.019	9.000	0.017		0.640	0.021	T	0.70	0.02	L	9.0714	0.0022	0.018	114		9.05	9.12		C			1							
87426	11.883	0.150	10.851	0.101		0.945	0.020	G	0.99	0.02	I	10.7808	0.0035	0.030	95		10.72	10.83		C			1							G
87427	7.762	0.010	6.600	0.007	*	0.997	0.009	T	0.98	0.01	L *	6.6006	0.0010	0.008	113	*	6.59	6.62		D	17520+1520	I 1	2 C	A	BA	170	0.839	0.002	0.02	0.01	S
87428	7.768	0.010	6.441	0.006		1.126	0.009	T	1.09	0.01	L	6.4950	0.0008	0.008	65		6.48	6.51		C			1							S
87429	11.952	0.244	10.004	0.068		1.410	0.031	G	1.39	0.04	I	9.9239	0.0033	0.029	52		9.87	9.98		C			1 G							G
87430	9.028	0.018	6.929	0.008		1.736	0.016	T	1.76	0.02	L	6.7976	0.0027	0.013	52		6.78	6.82					1 S							S
87431	9.706	0.017	8.406	0.010		1.105	0.015	T	1.07	0.02	L	8.4577	0.0017	0.018	135		8.43	8.49					1							
87432	7.496	0.007	7.264	0.007		0.347	0.006	G	0.41	0.01	H	7.2988	0.0019	0.011	68		7.28	7.31			17521+0106	I 2	1							S
87433	13.247	0.704	9.280	0.031		3.315	0.581	T	2.83	0.03	J	8.5372	0.0161	0.103	65		8.41	8.69		R 2 C			1 S							P
87434	7.735	0.006	6.493	0.004		1.060	0.006	T	1.03	0.01	L	6.5422	0.0010	0.008	119		6.53	6.56					1							S
87435	8.110	0.008	7.649	0.007		0.435	0.010	T	0.50	0.01	L	7.6977	0.0009	0.008	106		7.69	7.72		C			1							S
87436	9.267	0.020	8.856	0.021		0.349	0.020	G	0.41	0.03	H	8.9234	0.0023	0.011	49		8.91	8.94		C			1							
87437	11.102	0.053	10.249	0.040	A						T *	10.3077	0.0039	0.037	107	*	10.24	10.35			17520+1542	H 1	2 C	D	AB	185	4.530	0.096	3.48	0.39	G D
87438	10.431	0.056	9.414	0.037		0.876	0.052	T	0.89	0.04	L	9.4614	0.0030	0.020	45		9.43	9.50		C			1							G
87439	7.597	0.006	7.553	0.008		0.045	0.009	T	0.06	0.01	L	7.5747	0.0012	0.012	101		7.55	7.60		C			1							S
87440	8.663	0.007	7.127	0.004		1.290	0.006	T	1.25	0.01	L	7.1533	0.0008	0.010	227		7.13	7.17					1							S
87441	8.655	0.009	7.446	0.006		1.034	0.008	T	1.01	0.01	L	7.5079	0.0014	0.012	138		7.49	7.53					1							S
87442	8.812	0.013	8.457	0.014		0.337	0.018	T	0.39	0.02	L	8.5101	0.0020	0.019	75		8.48	8.55					1							
87443	9.504	0.023	8.781	0.020		0.650	0.023	T	0.71	0.02	L	8.8278	0.0019	0.016	74		8.80	8.85					1							
87444	9.511	0.018	8.348	0.012		0.998	0.017	T	0.98	0.01	L	8.3875	0.0012	0.010	79		8.36	8.41					1							
87445	7.760	0.007	6.160	0.004		1.341	0.006	T	1.31	0.01	L	6.1637	0.0007	0.008	117		6.15	6.18		C			1							S
87446	10.373	0.028	8.613	0.012		1.496	0.025	T	2.42	0.06	O	8.4229	0.0032	0.030	137		8.37	8.48		U 2			1							
87447	7.832	0.008	7.475	0.009	A	0.338	0.011	T	0.39	0.01	L	7.5423	0.0041	0.021	120	A	7.52	7.60		D	17521−6024	I 1	2 C	A	AB	238	10.239	0.011	2.73	0.05	S
87448	7.934	0.009	6.685	0.006		1.065	0.008	T	1.03	0.01	L	6.7223	0.0014	0.008	71		6.71	6.73			17521+0106	I 2	1							S
87449	8.023	0.007	7.956	0.008		0.067	0.010	T	0.08	0.01	L	7.9793	0.0011	0.015	167		7.95	8.01					1							S
87450	9.927	0.021	8.930	0.015		0.872	0.019	T	0.88	0.01	L	8.9665	0.0018	0.017	112		8.93	9.00					1							
87451	8.334	0.008	8.117	0.009		0.207	0.011	T	0.23	0.01	L	8.1653	0.0014	0.015	127		8.14	8.19		C			1							S
87452	8.045	0.010	8.039	0.013		0.010	0.015	T	0.03	0.01	L	8.0472	0.0025	0.014	58		8.02	8.07					1 S							S
87453						0.800	0.020	G	0.84	0.02	H	12.7311	0.0149	0.133	51		12.22	12.94					1 X S							G G
87454	7.549	0.008	7.555	0.008		−0.001	0.010	T	0.02	0.01	L	7.5696	0.0013	0.010	111		7.55	7.59		C			1							S
87455	10.829	0.084	8.609	0.023		1.875	0.072	T	1.98	0.20	O	8.5378	0.0027	0.016	58		8.50	8.56		C			1							
87456	11.538	0.176	9.054	0.031		2.093	0.147	T	2.26	0.29	K	8.7656	0.0038	0.023	40		8.73	8.81					1 S							
87457						1.370	0.020	G	1.61	0.04	I	11.3038	0.0049	0.039	110		11.22	11.36		C			1							G
87458											T	10.6286	0.0042	0.041	99		10.50	10.69					1 S							
87459	7.339	0.005	7.212	0.006		0.123	0.007	T	0.14	0.01	L	7.2482	0.0009	0.011	143		7.23	7.27		C			1							S
87460	5.737	0.006	5.868	0.012		−0.111	0.009	G	−0.10	0.01	H	5.8530	0.0010	0.007	48		5.84	5.87					1							S P
87461	11.528	0.094	10.732	0.082		1.010	0.020	G	1.06	0.02	I	10.5732	0.0033	0.035	113		10.52	10.63		D			1 X S							G
87462	9.590	0.019	8.541	0.013		0.911	0.017	T	0.91	0.01	L	8.5881	0.0018	0.016	111		8.56	8.62		C			1							
87463	9.846	0.020	8.310	0.010		1.290	0.018	T	1.25	0.02	L	8.3261	0.0018	0.014	120		8.31	8.36		C			1							
87464	11.472	0.091	10.138	0.045		1.151	0.001	G	1.25	0.00	I	10.0627	0.0035	0.024	64		10.02	10.10		C			1							G
87465	8.991	0.012	8.585	0.012		0.407	0.015	G	0.47	0.02	H	8.6390	0.0019	0.019	136		8.60	8.68					1							
87466	8.926	0.024	7.131	0.012		1.495	0.021	T	1.52	0.03	L	7.0946	0.0013	0.010	40		7.08	7.11		C			1							S
87467	10.823	0.043	10.446	0.049		0.520	0.053	G	0.59	0.06	R	10.4682	0.0038	0.029	120		10.40	10.52					1							G
87468	10.882	0.060	9.115	0.022		1.472	0.051	T	1.49	0.08	L	9.0798	0.0025	0.021	66		9.04	9.11					1 S							
87469	7.934	0.008	7.455	0.007	*	0.486	0.015	G	0.56	0.02	H *	7.4943	0.0010	0.009	118	*	7.48	7.51		D	17523−5143	H 1	2 C	A	AB	84	0.251	0.013	1.89	0.22	S
87470	7.741	0.008	7.397	0.007		0.326	0.010	T	0.38	0.01	L	7.4500	0.0011	0.010	118		7.43	7.46		C			1							S
87471	9.388	0.023	8.753	0.020		0.590	0.026	T	0.66	0.02	L	8.8118	0.0026	0.017	60		8.79	8.85		C			1							
87472	7.267	0.019	5.966	0.011		1.129	0.013	G	1.09	0.01	H	6.0113	0.0010	0.009	46		6.00	6.03					1							S
87473	10.636	0.025	9.142	0.012		1.257	0.022	T	1.22	0.02	L	9.1621	0.0017	0.027	211		9.13	9.22		U			1							
87474	9.902	0.021	8.075	0.009		1.551	0.019	T	2.81	0.03	O	7.7592	0.0065	0.047	99		7.64	7.82		U 2			1 S							
87475	8.105	0.012	7.731	0.012		0.354	0.016	T	0.42	0.02	L	7.7951	0.0016	0.010	63		7.78	7.81		C			1							S
87476	8.009	0.009	7.616	0.008		0.402	0.015	G	0.47	0.02	H	7.6526	0.0010	0.009	97		7.64	7.67					1							S
87477	8.932	0.010	7.534	0.006		1.182	0.009	T	1.14	0.01	L	7.5620	0.0012	0.015	198		7.54	7.58		M			1							S
87478	7.087	0.005	6.879	0.006		0.199	0.007	T	0.22	0.01	L	6.9195	0.0012	0.009	111		6.90	6.94					1							S
87479	9.139	0.014	8.455	0.013		0.632	0.016	T	0.70	0.01	L	8.5193	0.0021	0.019	98		8.49	8.56					1							S
87480	7.926	0.010	7.602	0.011		0.308	0.014	T	0.35	0.02	L	7.6524	0.0011	0.011	76		7.63	7.68		C			1							S
87481	10.112	0.023	8.677	0.012		1.211	0.020	T	1.17	0.02	L	8.7305	0.0020	0.018	96		8.70	8.76		C			1							
87482	8.633	0.021	8.286	0.023		0.281	0.020	G	0.32	0.03	H	8.3341	0.0018	0.010	50		8.31	8.36		C			1 S							
87483	8.315	0.010	8.179	0.011		0.131	0.014	T	0.15	0.01	L	8.2170	0.0016	0.015	103		8.20	8.24					1							S
87484						0.910	0.020	G	0.95	0.02	I	10.9662	0.0035	0.031	101		10.92	11.01		C			1							G
87485	7.093	0.005	6.655	0.004		0.440	0.004	G	0.51	0.00	H	6.7012	0.0010	0.008	111		6.69	6.72		C			1							S
87486	7.645	0.005	7.320	0.005		0.309	0.007	T	0.35	0.01	L	7.3745	0.0008	0.010	162		7.36	7.39		C	17525+2712	I 1	1							S
87487											T	12.0223	0.0072	0.076	143		11.86	12.13					1 S							D
87488	9.952	0.025	8.624	0.015		1.127	0.023	T	1.09	0.02	L	8.6773	0.0021	0.018	110		8.65	8.72					1							
87489	9.366	0.020	8.974	0.021		0.371	0.027	T	0.43	0.03	L	9.0489	0.0020	0.014	46		9.02	9.07		C			1							
87490	8.772	0.014	7.849	0.011		0.817	0.013	T	0.84	0.01	L	7.9055	0.0028	0.023	59		7.86	7.94		U			1							S
87491	7.982	0.009	6.105	0.005		1.573	0.008	G	1.58	0.09	H	6.0289	0.0014	0.008	71		6.01	6.04					1							S
87492	10.880	0.035	9.722	0.021		1.046	0.005	G	1.02	0.00	I	9.7421	0.0029	0.032	174		9.67	9.80		U			1							
87493	8.634	0.010	8.617	0.013		0.020	0.015	T	0.04	0.01	L	8.6505	0.0025	0.019	106		8.62	8.69					1							
87494	8.102	0.010	6.951	0.007		0.989	0.010	T	0.97	0.01	L	6.9875	0.0016	0.010	69		6.97	7.01					1 G							S
87495	7.879	0.051	6.324	0.033		1.250	0.020	G	1.51	0.02	A	6.2490	0.0693	0.228	59		6.01	6.49	17.14	P 1 A			1							S
87496	8.161	0.010	7.814	0.009		0.366	0.001	G	0.43	0.00	H	7.8774	0.0013	0.012	119		7.85	7.90		C			1 G							S
87497	9.818	0.020	9.340	0.020		0.450	0.026	T	0.52	0.03	L	9.4060	0.0071	0.058	142		9.30	9.47	0.18	P 1 A			1							P
87498						1.180	0.070	G	1.14	0.06	I	11.0753	0.0189	0.089	43		10.94	11.21		U			1 S							G
87499	10.240	0.037	9.782	0.040	*	0.432	0.049	T	0.50	0.05	L *	9.8946	0.0026	0.033	130	*	9.83	9.95		D	17527+1940	I 1	2 C	B	AB	181	4.731	0.007	0.34	0.02	
87500	12.064	0.128	10.485	0.046		1.324	0.107	T	1.29	0.12	L	10.7768	0.0044	0.044	143		10.67	10.85					1							G

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
1 2	h m s	±° ′ ″	mag	5 6 7	deg	deg	10	mas	mas/yr		mas		mas	mas/yr		19	20	21	22	23	24	25	26	27	28	% 29	30
*87501	17 52 40.90	−64 37 14.3	8.03	H	268.170 397 75	−64.620 647 97		3.37	−5.03	−20.94	0.66	0.61	0.95	0.63	0.62	− 1	−41	− 4	−23	+ 6	+22	+ 7	−16	+ 1	+ 9	0	−1.44
87502	17 52 41.38	−52 28 49.4	8.24	H	268.172 397 35	−52.480 401 11	A	1.73	0.80	−7.39	2.36	1.57	1.98	2.74	1.58	−34	−27	− 7	+21	−41	+ 7	−41	+ 8	+20	−40	9	2.30
87503	17 52 41.56	−52 28 37.2	10.24	H	268.173 179 37	−52.477 009 81	B	6.03	16.18	−6.63	17.72	11.06	11.60	16.39	8.98	−35	−26	−10	+24	−41	+11	−40	+ 0	+20	−37	9	2.30
87504	17 52 42.38	+38 49 14.3	7.01	1 H	268.176 583 09	+38.820 640 54		2.86	−4.50	−4.51	0.54	0.52	0.64	0.60	0.68	+ 1	− 6	− 6	− 6	+ 0	−10	+ 3	+14	−12	−10	0	−1.25
87505	17 52 43.76	−38 38 33.4	7.76	G	268.182 336 81	−38.642 624 93		1.96	2.22	−1.52	0.97	0.67	1.08	1.16	0.71	−10	−26	−26	+27	−28	+14	−23	+50	− 7	− 7	0	0.36
87506	17 52 44.02	+37 17 10.6	8.99	H	268.183 418 68	+37.286 284 87		4.32	3.87	−7.90	0.71	0.69	0.85	0.79	0.74	+ 9	−16	−14	+ 4	+ 7	+15	+ 7	+14	+ 4	+20	0	0.39
87507	17 52 45.12	+04 32 07.6	8.83	H	268.187 979 36	+04.535 456 27		7.93	6.12	4.20	1.19	0.89	1.43	1.28	0.98	+39	−48	−37	−11	−12	+25	− 7	−31	+13	+35	0	0.53
87508	H 17 52 45.52	−31 38 07.6	8.58	G	268.189 678 93	−31.635 454 38	A	0.65	0.10	−1.46	1.82	1.45	1.72	2.50	1.86	+ 9	− 2	−40	+25	−42	+ 3	−46	+27	−13	−43	5	−0.36
87509	17 52 45.60	−36 15 10.8	10.04	G	268.189 997 38	−36.252 995 21		5.12	−0.86	2.05	1.71	1.11	1.92	1.88	1.06	+17	−29	−22	+14	−29	− 2	−21	+42	− 9	+10	0	−0.06
87510	17 52 46.16	−55 22 56.1	11.95	H	268.192 332 87	−55.382 258 98		−0.91	5.41	−61.91	4.71	2.92	4.97	6.97	3.41	+14	−26	−12	−10	−35	−22	−35	−10	+27	−11	0	1.78
87511	17 52 47.27	+03 47 39.0	9.51	2 H	268.196 978 92	+03.794 157 49		5.06	2.82	−21.66	1.23	1.04	1.37	1.50	1.33	+36	−39	−19	−20	−22	+17	−21	−41	+12	+39	0	1.36
87512	17 52 47.61	−46 07 16.0	8.51	H	268.198 391 08	−46.121 101 94		2.15	−6.46	−11.07	1.15	0.67	1.20	1.27	0.71	− 5	−29	−18	+44	−29	− 5	−42	− 1	+ 8	−42	0	0.59
87513	17 52 47.62	−03 33 50.0	7.53	H	268.198 434 83	−03.563 896 15		2.15	5.82	6.42	0.83	0.57	0.93	0.89	0.64	+ 3	−30	−23	+ 0	+11	− 1	+ 8	−16	+12	− 1	0	−0.45
87514	17 52 48.75	−49 25 04.6	8.86	H	268.203 107 97	−49.417 955 15		0.55	−6.16	−17.61	1.10	0.74	1.42	1.42	0.75	−30	− 8	−11	+18	−50	+21	−40	−15	+15	−18	0	1.20
87515	17 52 49.19	+17 49 59.6	8.23	G	268.204 943 55	+17.833 222 40		9.95	50.54	−31.39	0.92	0.80	1.15	1.02	0.83	+24	−32	−25	+54	+45	−24	+34	+26	+ 9	+14	3	−1.79
87516	17 52 49.22	−34 06 53.4	6.05	G	268.205 091 07	−34.114 821 09		4.68	2.37	−4.83	0.80	0.60	0.90	1.13	0.81	+17	−28	−23	+21	+13	−22	+ 6	+19	+ 7	+ 0	0	−0.81
87517	17 52 49.98	+27 32 52.3	8.83	H	268.208 238 78	+27.547 860 78		1.64	−4.99	−7.85	0.75	0.77	1.06	0.96	0.82	+13	−11	−14	+18	+22	− 8	+17	+13	+ 6	+10	0	0.75
87518	17 52 50.07	−71 46 10.7	10.99	H	268.208 639 75	−71.769 643 22		5.29	−17.11	−39.43	1.08	1.52	2.27	1.20	1.80	+ 5	− 7	+13	+ 3	−15	−20	−14	+ 1	− 4	+ 0	2	2.19
87519	H 17 52 50.33	+23 46 33.7	9.03	H	268.209 701 36	+23.776 018 00	*	0.30	1.59	1.97	0.50	0.82	1.13	0.64	1.05	− 2	−12	− 6	+ 9	+ 7	+14	+ 9	+17	−12	+ 1	0	3.61
87520	17 52 50.58	+21 32 31.5	9.61	H	268.210 741 21	+21.542 076 80		1.75	4.81	1.17	0.90	0.93	1.31	1.05	0.99	+ 1	− 8	−19	− 4	+25	− 7	+20	+15	+ 2	+13	0	2.73
87521	17 52 51.87	−00 02 15.2	8.45	H	268.216 126 11	−00.037 561 70		4.09	8.25	3.31	1.07	0.72	1.18	1.19	0.84	+11	−36	−13	−16	+ 1	−15	− 1	−25	+ 1	+27	0	0.73
87522	17 52 51.90	−56 09 17.1	6.51	H	268.216 261 04	−56.154 758 03		3.13	−3.27	−20.62	0.68	0.50	0.76	0.80	0.52	−20	−21	+ 8	+28	−40	− 5	−33	+12	−13	−25	0	0.83
87523	17 52 52.47	−41 59 45.8	6.19	G	268.218 634 48	−41.996 059 27		30.55	141.81	−190.53	0.78	0.55	0.90	0.98	0.57	−12	−20	−17	+32	−27	−25	−27	+43	− 5	−23	2	2.02
87524	H 17 52 52.59	+29 40 49.7	7.93	H	268.219 136 74	+29.680 466 82	*	1.65	−0.72	−1.80	0.83	1.11	0.89	0.77	0.80	+ 0	− 7	+18	− 5	+ 8	+ 5	+ 7	+10	− 1	+ 5	2	0.25
87525	17 52 54.71	+07 44 01.2	8.32	H	268.227 966 90	+07.733 672 43		1.30	−14.69	−8.80	0.78	0.69	1.09	0.84	0.73	−14	−20	−11	− 1	+26	−27	+26	−11	−10	+14	0	0.04
87526	17 52 55.05	+38 54 56.6	9.22	H	268.229 371 10	+38.915 725 69		6.22	4.37	16.07	0.86	0.84	1.03	1.00	1.06	− 2	−15	− 2	+ 3	+ 0	− 7	+ 3	+12	−14	−12	0	−0.17
87527	17 52 55.07	−24 12 54.2	8.69	1 H	268.229 455 37	−24.215 069 43		0.98	−6.78	−9.08	1.23	0.62	1.26	1.49	0.67	+24	−36	−20	+34	+12	− 3	+ 0	−28	+18	+11	0	−1.11
87528	17 52 55.24	+53 24 49.9	9.34	H	268.230 171 86	+53.413 863 86		1.29	−18.23	3.49	0.87	0.79	0.91	1.05	0.97	+ 2	− 9	− 9	+ 6	+ 4	− 7	+ 7	+15	−27	− 6	0	−1.15
87529	17 52 55.77	−35 01 08.0	6.55	G	268.232 370 47	−35.018 879 42		3.16	2.76	−5.16	0.83	0.64	0.91	1.18	0.86	− 6	−18	−18	+ 6	+13	−21	− 1	−19	+20	−43	0	−1.03
87530	17 52 56.03	+66 25 08.7	7.68	H	268.233 478 26	+66.419 070 43		3.13	1.00	1.94	0.50	0.55	0.60	0.36	0.59	+ 0	−20	−16	−60	−11	+14	−11	−17	+13	−17	1	1.04
87531	17 52 56.77	+42 12 44.9	7.46	H	268.236 547 57	+42.212 472 57		8.56	−13.91	−3.12	0.50	0.52	0.59	0.51	0.62	− 6	− 3	− 8	+ 5	+ 3	−11	+ 3	+17	−10	+ 0	0	1.13
87532	17 52 57.60	−35 37 27.1	6.03	G	268.239 992 75	−35.624 183 07		15.57	9.28	−54.04	0.84	0.54	0.93	0.94	0.56	+ 4	−39	−24	+15	−23	+ 0	−21	+24	+ 5	−15	3	1.56
87533	H 17 52 58.68	−07 55 08.0	7.64	G	268.244 516 92	−07.918 900 43	A	15.08	−62.82	−255.27	1.69	1.06	1.70	1.84	1.08	+26	−34	−42	+ 5	+24	−39	− 2	−39	+26	+ 4	0	−0.35
87534	H 17 52 58.97	+83 54 27.1	7.51	H	268.245 712 97	+83.907 523 55	A	4.10	3.28	7.98	1.82	1.76	1.24	1.20	1.27	−14	−17	− 7	+ 0	+ 2	− 7	+ 2	+ 1	− 2	+37	0	−0.62
87535	H 17 52 59.23	−50 56 53.7	9.01	H	268.246 807 16	−50.948 258 03	A	6.30	5.73	29.07	2.54	1.65	2.44	2.80	1.59	−21	−20	+11	+23	−19	− 5	−18	− 6	+21	−38	0	0.79
87536	17 52 59.39	−02 15 26.8	8.31	H	268.247 446 57	−02.257 450 16	A	1.65	1.01	2.63	3.24	2.31	2.61	2.65	2.01	+19	−28	−19	−24	− 6	− 8	− 9	−26	+ 3	+ 5	0	1.98
87537	17 53 00.50	−02 15 37.8	10.02	H	268.252 078 98	−02.260 503 56	B	1.65	−8.24	−15.27	30.33	22.07	2.61	13.37	10.27	+16	− 2	− 1	−18	+ 0	− 8	+ 0	−11	+ 3	+ 5	0	1.98
87538	17 53 03.34	−02 34 45.3	7.47	2 H	268.263 923 56	−02.579 249 62		2.91	−41.10	−40.46	0.99	0.64	1.03	0.94	0.70	+ 9	−39	−10	−20	−22	− 3	−20	−19	− 4	+ 7	0	0.36
87539	17 53 03.36	−75 01 10.0	8.05	H	268.263 995 97	−75.019 448 15		13.96	−50.89	−340.85	0.51	0.66	0.80	0.57	0.79	+ 6	+ 1	− 7	− 8	− 4	−10	− 3	+ 4	− 3	− 7	1	−0.33
87540	17 53 03.51	−10 53 58.2	6.17	G	268.264 637 25	−10.899 488 80		11.94	43.55	−30.22	0.87	0.56	1.01	0.92	0.62	+13	−38	−21	−15	−10	−27	−20	−36	+ 9	−19	0	−0.74
87541	17 53 04.08	+77 23 02.1	9.28	2 H	268.267 012 69	+77.383 923 94		3.00	−2.01	17.62	0.70	0.72	0.74	0.76	0.87	+ 3	− 5	− 1	+ 3	+10	− 5	+11	−18	− 7	+ 5	0	−1.75
87542	17 53 04.49	+53 16 33.8	9.30	H	268.268 724 83	+53.276 064 52		1.57	−12.72	15.90	0.84	0.73	0.85	1.07	0.90	+ 5	− 1	− 8	+ 3	+ 1	−11	+ 1	+15	−20	− 1	0	−2.00
87543	17 53 04.77	−43 34 01.4	10.22	H	268.269 878 58	−43.567 049 39		5.44	11.84	−16.37	2.00	1.59	2.13	2.47	1.75	− 3	−21	−27	+44	−23	+18	−19	+58	+ 1	+ 5	0	−0.27
87544	H 17 53 05.03	−13 39 00.6	7.14	G	268.270 965 93	−13.650 176 24	A	16.51	18.03	−22.04	1.33	0.83	1.34	1.60	0.92	+ 5	−37	+ 5	− 1	+ 8	−11	+13	−21	−16	− 1	0	0.36
87545	H 17 53 06.22	−08 51 39.1	8.88	H	268.275 897 75	−08.860 860 04	*	1.34	−1.65	−10.55	29.40	22.95	2.55	2.89	2.22	+91	−23	−19	−11	−17	+ 1	−23	−38	+15	+57	2	−0.75
87546	H 17 53 07.08	−21 24 44.6	9.49	G	268.279 500 00	−21.412 375 11	*	5.06	3.11	−29.16	1.61	0.94	1.73	2.42	1.00	−15	−30	−16	−14	+40	−26	+32	−53	+ 1	− 4	0	0.93
87547	17 53 07.99	−66 44 35.9	9.09	H	268.283 296 24	−66.743 301 34		3.98	0.67	−17.02	0.69	0.85	1.24	0.81	0.98	− 7	−11	+ 7	−10	− 1	+ 5	+ 1	−10	−14	+17	0	−0.61
87548	17 53 08.95	+28 36 03.2	8.61	H	268.287 293 44	+28.600 879 88		3.91	−19.86	−4.97	0.63	0.73	0.96	0.74	0.80	+ 2	−20	− 5	+ 5	+ 9	−12	+ 7	+14	− 2	+ 6	0	−0.25
87549	17 53 09.00	−45 45 58.0	8.59	H	268.287 486 21	−45.766 102 58		3.33	6.32	−11.72	1.26	0.72	1.24	1.49	0.76	−25	−20	+ 4	+54	−33	−10	−38	+ 8	− 3	+44	0	0.78
87550	17 53 10.82	−79 02 31.1	8.37	H	268.295 084 34	−79.041 975 72		5.18	7.88	6.27	0.63	0.67	0.86	0.71	0.74	− 7	−28	+ 4	+21	−10	− 7	−10	+12	+ 5	−12	1	0.14
87551	17 53 11.13	−58 51 51.5	7.38	H	268.296 373 97	−58.864 311 35		7.70	12.68	9.47	0.71	0.55	0.87	0.76	0.54	−21	−29	+ 0	−29	+23	+14	+23	−43	+ 0	−10	1	−0.93
87552	17 53 11.58	−10 22 18.1	7.92	H	268.298 269 98	−10.371 683 84		10.10	−30.44	−48.11	1.09	0.62	1.23	0.94	0.68	− 5	−59	− 6	− 5	−14	− 1	−10	−25	− 7	−25	0	1.57
87553	17 53 12.38	+29 29 12.8	8.80	H	268.301 602 54	+29.486 882 19		4.74	15.89	−68.88	0.66	0.77	1.00	0.83	0.94	+13	− 3	− 3	−16	− 3	− 4	− 4	+ 1	+ 6	+12	0	0.94
87554	17 53 12.39	−42 14 42.5	9.16	H	268.301 630 12	−42.245 129 00		−0.09	1.84	−15.56	1.44	1.01	1.67	2.13	1.03	+14	− 3	−12	−11	−35	−36	−29	+25	−10	+ 2	0	0.18
87555	17 53 12.48	−32 01 56.4	6.79	H	268.302 018 23	−32.032 341 98		0.93	2.08	−3.51	1.03	0.81	1.11	1.43	1.04	− 7	−29	−44	+41	−40	+18	−25	+54	−27	−59	0	−0.60
87556	17 53 12.74	+43 46 23.3	10.16	3 H	268.303 063 64	+43.773 140 04		2.65	0.57	−16.73	1.01	0.90	1.06	1.07	1.03	+ 9	−12	+ 1	−11	+12	− 6	+12	+21	+ 1	+11	0	0.48
87557	17 53 13.83	−22 32 12.2	8.36	H	268.307 624 02	−22.536 725 74		1.95	0.68	−5.28	1.01	0.58	1.18	1.09	0.60	+12	−38	−23	+ 3	+13	−28	− 8	−45	+16	−25	0	0.52
87558	17 53 14.26	+06 06 04.5	5.77	H	268.309 416 40	+06.101 254 23		31.87	−127.82	69.89	0.59	0.48	0.77	0.68	0.55	− 6	−27	−17	+17	− 7	+24	+ 6	+ 2	−20	− 1	0	−0.63
87559	17 53 15.37	−05 55 43.8	6.86	G	268.314 054 80	−05.928 820 03		4.57	10.45	−30.98	0.81	0.59	0.84	0.89	0.67	−23	−27	− 8	−15	+27	+ 2	+24	−31	+ 6	−29	0	−0.19
87560	17 53 15.98	−34 37 15.0	6.96	G	268.316 570 43	−34.620 835 36		3.94	3.10	−4.92	0.87	0.69	0.97	1.33	1.00	− 3	−13	−20	+14	+ 1	−21	− 9	− 4	+15	−33	0	−0.84
87561	17 53 17.12	−17 29 01.1	8.23	G	268.321 345 98	−17.483 638 74		−0.11	−1.76	−1.18	0.98	0.59	1.09	0.98	0.61	+ 5	−41	−14	+ 8	+15	−14	+ 4	−28	+10	−15	2	1.36
87562	17 53 17.79	−47 13 01.3	10.23	H	268.324 137 91	−47.217 038 22		2.78	0.99	−5.76	1.93	1.15	2.03	2.27	1.21	− 5	−29	+ 5	+24	−39	− 3	−39	−29	+18	− 7	0	−0.28
87563	H 17 53 18.02	+40 00 28.2	5.17	G	268.325 090 92	+40.007 837 07	A	8.97	7.85	50.36	0.50	0.50	0.53	0.49	0.53	+ 7	+11	− 3	− 1	+ 4	− 3	+ 7	+10	+ 0	+ 8	3	0.32
87564	17 53 18.22	−65 29 18.4	6.48	G	268.325 907 63	−65.488 443 03		6.28	−22.87	−64.85	0.48	0.54	0.76	0.61	0.59	−11	− 5	+ 2	+ 7	− 8	+ 7	− 6	−20	−16	−13	0	−0.20
87565	H 17 53 18.64	+24 59 29.4	7.94	G	268.327 673 07	+24.991 499 83	A	19.81	−64.27	−47.42	1.85	1.91	1.87	1.50	1.73	+ 0	− 3	−10	− 8	+14	−19	+ 7	− 6	+ 4	+ 1	1	−0.88
87566	17 53 19.20	+02 40 04.8	7.41	H	268.329 997 35	+02.667 999 10		4.76	9.55	0.16	0.86	0.63	0.96	0.94	0.76	+28	−42	−19	+ 2	+ 8	+ 8	+15	− 9	−10	+35	0	0.97
87567	H 17 53 19.58	−34 43 50.9	6.14	G	268.331 577 78	−34.730 792 37	*	3.95	1.65	−8.07	2.34	1.92	1.12	1.61	1.10	−46	+11	− 9	− 9	+ 2	−51	− 1	− 5	+10	+33	16	0.24
87568	17 53 21.90	−18 52 33.6	8.67	1 H	268.341 267 26	−18.875 986 63		4.51	−0.91	3.49	1.17	0.71	1.29	1.36	0.76	− 6	−24	− 1	+ 5	+15	+10	+15	−34	+ 5	+ 0	0	0.82
87569	H 17 53 23.47	−34 53 42.4	5.58	G	268.347 794 37	−34.895 109 76	A	3.09	2.38	−6.15	4.40	3.38	2.96	3.64	2.58	−36	−10	+ 5	+ 6	+16	−20	+13	− 2	+15	− 4	14	−0.23
87570	17 53 23.73	+10 57 37.7	8.39	G	268.348 880 37	+10.960 480 15		3.13	0.74	−8.85	0.73	0.66	0.95	0.78	0.67	−14	− 2	− 5	+ 4	+34	− 2	+32	+39	−12	−16	0	−0.07
87571	17 53 24.02	+14 47 50.5	8.84	G	268.350 067 72	+14.797 349 60		3.44	12.76	1.63	0.81	0.80	1.28	1.06	0.95	+12	−21	+ 5	+15	+37	+31	+39	+29	−26	−11	0	1.47
87572	17 53 24.60	+63 04 14.6	8.14	H	268.352 480 31	+63.070 733 65		8.71	−6.26	26.40	0.61	0.57	0.61	0.69	0.64	+ 6	−13	−14	+19	+ 9	− 3	+10	+14	− 9	+15	0	−1.57
87573	17 53 25.10	+81 18 41.4	9.03	H	268.354 584 74	+81.311 489 35		7.70	13.89	−7.26	0.70	0.66	0.77	0.80	0.87	+ 1	−33	−10	− 5	+ 3	+15	+ 9	− 1	−12	+14	0	−1.67
87574	17 53 26.69	−15 39 25.4	9.35	G	268.361 194 93	−15.657 047 80		0.16	−1.58	−8.23	2.94	1.87	3.63	3.49	2.02	+20	−27	−22	− 9	+ 4	−41	−11	−45	+11	− 1	0	
87575	17 53 26.75	−50 53 18.7	8.78	H	268.361 441 28	−50.888 537 80		5.87	3.86	−8.05	1.03	0.67	1.34	1.24	0.74	−33	−28	− 7	+23	−37	+10	−36	− 5	+31	−24	0	0.91
87576	17 53 27.50	+52 23 07.7	8.52	2 G	268.364 570 13	+52.385 462 19		2.79	6.24	0.99	0.59	0.59	0.63	0.65	0.64	+ 4	+ 1	− 1	+11	+17	−14	+17	+10	− 7	+ 2	0	−0.29
87577	17 53 27.68	+32 22 05.0	8.20	H	268.365 352 41	+32.368 047 03		6.35	−25.54	−15.21	0.58	0.64	0.80	0.64	0.70	+ 5	−16	−12	− 1	+10	− 5	+10	− 7	−10	+ 2	0	−0.28
87578	17 53 29.49	−21 46 06.8	9.63	H	268.372 875 11	−21.768 551 58		−2.87	2.14	−0.77	1.66	0.96	1.83	2.17	0.97	−14	−32	−21	−20	+40	−26	+27	−62	+11	−17	0	−0.17
87579	17 53 29.98	+21 19 30.5	8.50	G	268.374 923 06	+21.325 152 34		40.22	−71.50	57.34	0.68	0.74	1.04	0.88	0.86	+ 4	− 6	− 7	− 4	+33	− 3	+27	+12	+15	+14	0	−0.39
87580	17 53 30.00	−36 30 30.8	7.98	1 H	268.374 980 43	−36.508 543 76		3.00	1.98	−6.03	0.94	0.62	1.03	1.16	0.65	− 2	−14	−15	+27	−26	+ 8	−22	+44	− 2	+ 6	0	−1.28
87581	17 53 30.25	+39 27 11.6	9.09	H	268.376 042 35	+39.453 230 21		7.30	−13.21	−33.01	0.80	0.85	0.99	0.93	1.00	+ 0	− 1	+16	+18	+ 1	− 4	+ 3	+ 3	− 6	+ 6	0	0.04
87582	17 53 30.26	+21 03 34.0	8.67	H	268.376 064 82	+21.059 437 88		1.62	16.58	3.04	0.73	0.77	1.12	1.04	0.84	−11	− 6	− 8	−26	+36	− 7	+17	+ 7	+20	+19	1	−0.58
87583	17 53 30.57	+22 09 51.0	9.27	H	268.377 365 99	+22.164 170 09		−1.12	8.98	−1.04	0.84	0.94	1.32	1.09	1.10	+ 8	−22	−19	+20	+13	− 6	+12	+27	− 9	+ 8	0	2.33
87584	17 53 30.94	+31 25 30.2	10.25	H	268.378 925 29	+31.425 049 13		−1.73	−3.37	−10.90	0.99	1.13	1.38	1.11	1.31	+24	−17	−13	+18	+10	− 8	+10	+10	− 8	+11	0	2.16
87585	17 53 31.63	+56 52 20.8	3.73	H	268.381 789 61	+56.872 452 16		29.26	93.65	78.44	0.48	0.46	0.49	0.51	0.56	− 6	+13	+ 2	+17	+16	− 7	+16	+12	−13	−11	0	−0.90
87586	17 53 31.86	+35 40 21.0	7.26	H	268.382 763 01	+35.672 491 59		2.08	−3.34	−25.61	0.54	0.55	0.70	0.63	0.68	+ 7	−10	−18	+20	− 2	−23	− 6	+13	−18	− 1	0	0.92
87587	17 53 32.11	−42 00 04.5	9.04	H	268.383 795 56	−42.001 248 28		8.08	−9.87	−127.55	1.34	0.95	1.47	1.85	0.96	+ 4	− 4	−10	+10	−38	−22	−31	+36	−12	− 2	0	0.96
87588	17 53 33.58	−21 09 15.0	9.36	H	268.389 897 23	−21.154 166 77		2.76	1.03	−8.98	1.70	1.00	1.70	2.32	1.02	−26	−19	− 8	−18	+43	−24	+44	−56	− 5	+ 1	0	0.83
87589	17 53 34.21	−27 16 57.6	6.88	H	268.392 546 38	−27.282 653 47		6.28	17.05	3.37	0.93	0.62	1.05	1.23	0.84	− 4	−36	−29	+26	+ 0	+ 0	− 5	+23	+13	−37	0	1.44
87590	17 53 34.86	−08 42 30.1	8.12	H	268.395 245 41	−08.708 360 10		9.23	22.81	−0.30	0.97	0.73	1.04	1.11	0.81	+22	− 5	− 5	−14	−16	− 1	−20	−46	+ 3	+10	0	0.73
87591	17 53 35.32	+51 56 16.8	9.75	H	268.397 151 71	+51.937 989 58		1.33	7.56	−5.28	1.05	0.88	0.98	1.16	1.01	+10	+10	− 2	+32	+28	− 6	+28	+ 3	− 6	+12	4	1.64
87592	17 53 35.82	+04 51 32.3	7.72	1 H	268.399 242 64	+04.858 981 97		2.55	−1.47	−6.94	0.98	0.74	1.17	1.03	0.83	+46	−58	−39	−19	−23	+19	−14	−38	+ 7	+46	0	0.65
87593	17 53 36.17	+24 46 37.9	7.59	G	268.400 714 80	+24.777 181 93		7.28	26.24	16.99	0.44	0.56	0.84	0.59	0.67	+ 1	− 6	+ 3	− 3	− 1	−22	+ 0	+18	−12	+ 6	0	1.11
87594	17 53 36.49	+61 02 37.7	7.88	G	268.402 033 02	+61.043 805 21		19.42	7.91	26.74	0.62	0.60	0.63	0.71	0.68	+19	−11	+ 0	+13	+ 8	+ 9	+ 9	+21	−10	+15	0	−0.42
87595	17 53 36.56	+23 07 00.7	12.04	H	268.402 337 90	+23.116 863 80	B	−24.93	−17.84	31.94	49.57	75.19	57.63	42.25	55.61	+ 4	−13	−19	+29	+ 7	− 5	+ 8	− 2	−13	+ 3	0	0.33
87596	17 53 36.58	+05 13 14.7	8.30	H	268.402 397 85	+05.220 748 17		3.73	−24.46	−39.39	1.01	0.82	1.21	1.12	0.91	+35	−47	−29	−13	−12	+25	− 5	−38	+ 8	+37	0	−0.50
87597	17 53 37.61	+23 07 16.3	8.93	H	268.406 715 03	+23.121 196 61	A	1.42	−3.55	−14.30	1.27	1.93	2.03	1.45	1.95	+ 4	−14	−20	+43	+ 6	− 2	+ 7	+23	−11	+ 3	0	0.33
87598	17 53 39.01	−69 03 01.9	9.76	H	268.412 554 64	−69.050

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
87501	8.021	0.007	8.038	0.008		−0.011	0.010	T	0.01	0.01	L	8.0337	0.0017	0.015	132		8.01	8.07					1							S
87502	8.236	0.009	8.232	0.011	A	0.008	0.013	T	0.03	0.01	L	8.2565	0.0054	0.025	112	A	8.23	8.32		D			1 C P A							S
87503	10.094	0.027	9.979	0.035	B	0.111	0.041	T	0.12	0.04	L	10.4169	0.0329			B				D			1 C I A							
87504	9.099	0.012	7.204	0.006		1.574	0.011	T	1.59	0.01	L	7.1230	0.0012	0.012	119		7.10	7.14		M			1							S
87505	7.745	0.009	7.756	0.015		0.000	0.008	G	0.02	0.01	H	7.7749	0.0015	0.010	71		7.76	7.79		C			1							S
87506	8.950	0.011	8.976	0.014		−0.019	0.016	T	0.00	0.01	L	8.9914	0.0017	0.019	126		8.95	9.03					1							
87507	9.295	0.020	8.887	0.021		0.386	0.027	T	0.45	0.03	L	8.9181	0.0025	0.016	61		8.89	8.94		C			1							
87508	8.563	0.019	8.590	0.024	A	0.118	0.015	G	0.13	0.01	H *	8.5871	0.0038	0.017	43	*	8.56	8.61			17528−3138	I 1	2 C C	AB	215	2.045	0.053	3.77	0.18	
87509	10.534	0.071	10.150	0.093		0.402	0.020	G	0.47	0.02	H	10.1163	0.0040	0.024	74		10.08	10.17					1							G
87510											T	12.0735	0.0140	0.090	78		11.86	12.21					1 S							G
87511	10.224	0.032	9.568	0.029		0.609	0.037	T	0.68	0.03	L	9.6367	0.0038	0.025	69		9.59	9.74		U 2			1							
87512	8.744	0.014	8.516	0.016		0.212	0.021	T	0.23	0.02	L	8.5714	0.0022	0.019	88		8.54	8.60					1							
87513	9.252	0.019	7.681	0.010		1.350	0.015	G	1.32	0.02	H	7.6780	0.0012	0.011	63		7.66	7.71		C			1							S
87514	10.268	0.025	8.986	0.014		1.091	0.022	T	1.05	0.02	L	9.0269	0.0023	0.022	154		8.99	9.06					1							
87515	8.801	0.012	8.287	0.012		0.506	0.015	G	0.58	0.02	H	8.3317	0.0016	0.014	89		8.31	8.35					1							S
87516	7.647	0.013	6.190	0.007		1.241	0.000	G	1.20	0.00	H	6.2146	0.0010	0.006	48		6.21	6.23		C			1							S
87517	10.829	0.040	9.011	0.016		1.513	0.034	T	1.55	0.05	L	8.9521	0.0023	0.026	151		8.91	9.00					1							
87518	11.875	0.088	10.971	0.065		0.803	0.081	T	0.83	0.06	L	11.1448	0.0034	0.044	207		11.07	11.22					1							G
87519	10.760	0.028	9.176	0.012	*	1.328	0.024	T	1.29	0.03	L *	9.1810	0.0015	0.023	279	*	9.13	9.23			17528+2347	H 1	2 C S C	AB	148	0.157	0.046	1.47	0.80	
87520	9.720	0.018	9.623	0.022		0.095	0.027	T	0.11	0.03	L	9.6441	0.0028	0.032	139		9.59	9.71					1							
87521	8.559	0.015	8.468	0.018		0.089	0.022	T	0.10	0.02	L	8.4820	0.0014	0.009	50		8.46	8.50					1							
87522	7.989	0.008	6.637	0.005		1.146	0.007	T	1.11	0.01	L	6.6768	0.0009	0.007	89		6.66	6.69		C			1							S
87523	6.823	0.005	6.260	0.006		0.523	0.004	G	0.60	0.00	H	6.3107	0.0008	0.007	67		6.30	6.32		C			1							S
87524	8.207	0.007	7.971	0.009	*	0.225	0.010	T	0.25	0.01	L *	8.0009	0.0016	0.016	139	*	7.97	8.03		D	17529+2941	I 1	2 C A	BA	97	0.185	0.004	0.60	0.15	S
87525	9.720	0.023	8.460	0.014		1.074	0.021	T	1.04	0.02	L	8.4903	0.0014	0.012	100		8.47	8.52		C			1							
87526	9.715	0.019	9.250	0.019		0.438	0.025	T	0.51	0.03	L	9.3180	0.0024	0.023	123		9.28	9.35					1							
87527	11.343	0.111	8.866	0.025		2.087	0.094	T	3.30	0.15	O	8.5009	0.0033	0.025	80		8.47	8.55		U			1 S							
87528	10.738	0.038	9.416	0.021		1.122	0.034	T	1.08	0.04	L	9.5062	0.0021	0.018	100		9.48	9.54		C			1							
87529	6.565	0.009	6.569	0.011		0.000	0.001	G	0.02	0.00	H	6.5575	0.0016	0.008	53		6.54	6.57		C			1							S
87530	8.826	0.012	7.781	0.009		0.908	0.011	T	0.91	0.01	L	7.8438	0.0012	0.012	119		7.83	7.87					1							S
87531	7.756	0.008	7.487	0.008		0.256	0.011	T	0.29	0.01	L	7.5296	0.0012	0.010	122		7.52	7.55		C			1							S
87532	6.422	0.008	6.055	0.007		0.342	0.006	G	0.40	0.01	H	6.1092	0.0009	0.005	64		6.10	6.12		C			1							S
87533	8.408	0.015	7.723	0.012	*	0.631	0.015	G	0.70	0.01	H *	7.7622	0.0015	0.008	61	*	7.75	7.78		D	17530−0755	I 1	2 C A	AB	54	0.979	0.017	2.17	0.05	S
87534	8.405	0.012	7.603	0.007	*	0.726	0.011	T	0.78	0.01	L *	7.6511	0.0012	0.012	111	*	7.63	7.67		D	17530+8354	I 1	2 C A	AB	45	0.413	0.003	0.21	0.02	S
87535	9.547	0.023	8.992	0.022	*	0.525	0.024	T	0.60	0.03	L *	9.1304	0.0022	0.020	114	*	9.10	9.17		D	17530−5057	I 1	2 C A	AB	231	3.630	0.009	1.03	0.04	
87536	10.410	0.047	8.462	0.018	A	0.907	0.178	G	1.55	0.08	M	8.4287	0.0360	0.071	62	A	8.29	8.51		D	17530−0215	I 2	1 C P A							
87537	11.698	0.133	9.914	0.044	B						T	9.8116	0.1056			B				D	17530−0215	I 2	1 C F A							
87538	9.297	0.021	7.713	0.011		1.351	0.020	T	3.60	0.07	O	7.1315	0.0256	0.147	55		6.90	7.37		U 2			1 S							S P
87539	8.777	0.009	8.121	0.008		0.600	0.009	T	0.67	0.01	L	8.1782	0.0013	0.015	151		8.15	8.20					1 S							S
87540	7.606	0.007	6.309	0.005		1.110	0.000	G	1.07	0.00	H	6.3388	0.0008	0.006	60		6.33	6.35		C			1							S
87541	9.644	0.021	9.334	0.022		0.294	0.028	T	0.34	0.04	L	9.3529	0.0042	0.033	124		9.30	9.40	0.13	P 1 A			1							
87542	10.653	0.040	9.430	0.024		1.045	0.036	T	1.02	0.03	L	9.4657	0.0029	0.019	103		9.43	9.50		C			1							
87543	10.699	0.052	10.179	0.054		0.488	0.068	T	0.56	0.07	L	10.3239	0.0054	0.029	58		10.27	10.37		C			1							G
87544	7.806	0.012	7.275	0.013	A	0.518	0.015	G	0.59	0.02	H *	7.2474	0.0012	0.009	79	*	7.23	7.27		D	17531−1339	I 1	2 C A	AB	251	1.580	0.007	1.71	0.02	S
87545	9.537	0.022	8.939	0.020	*	0.558	0.026	T	0.63	0.02	L *	9.0045	0.0024	0.017	66	*	8.97	9.03		D	17531−0852	H 1	2 C B	AB	227	0.233	0.040	0.61	0.27	
87546	10.233	0.028	9.583	0.026	*	0.705	0.015	G	0.76	0.01	H *	9.6026	0.0019	0.017	103	*	9.56	9.64		D	17531−2125	H 1	2 C S B	AB	356	0.150	0.036	1.60	0.68	G
87547	9.080	0.013	9.086	0.017		−0.004	0.019	T	0.02	0.02	L	9.1000	0.0018	0.018	134		9.07	9.14					1							
87548	9.968	0.022	8.724	0.013		1.061	0.020	T	1.03	0.02	L	8.7820	0.0021	0.017	156		8.74	8.82					1							
87549	10.103	0.036	8.712	0.020		1.176	0.032	T	1.14	0.03	L	8.7586	0.0023	0.018	82		8.73	8.79		C			1							
87550	9.327	0.013	8.459	0.010		0.776	0.012	T	0.81	0.01	L	8.5223	0.0014	0.015	161		8.49	8.55		C			1							
87551	7.853	0.007	7.423	0.006		0.402	0.012	G	0.47	0.01	H	7.4721	0.0010	0.015	144		7.44	7.50					1							S
87552	8.604	0.015	7.980	0.013		0.576	0.015	G	0.65	0.01	H	8.0482	0.0014	0.009	53		8.03	8.06		C			1							S
87553	9.603	0.017	8.866	0.014		0.675	0.018	T	0.73	0.01	L	8.9381	0.0021	0.019	146		8.90	8.97					1							
87554	9.605	0.025	9.174	0.026		0.407	0.033	T	0.47	0.04	L	9.2570	0.0034	0.025	66		9.20	9.29					1							
87555	8.608	0.017	6.939	0.009		1.395	0.015	T	1.37	0.02	L	6.9363	0.0021	0.011	45		6.92	6.95					1							S
87556	10.485	0.034	10.235	0.042		0.234	0.055	T	0.26	0.07	L	10.2305	0.0049	0.090	121		10.17	10.95		P 1 A			1							G
87557	10.209	0.026	8.543	0.012		1.393	0.023	T	1.37	0.03	L	8.5046	0.0019	0.014	117		8.48	8.53		C			1							
87558	6.286	0.004	5.815	0.003		0.425	0.008	G	0.49	0.01	H	5.8676	0.0006	0.005	90		5.86	5.88		C			1							S
87559						1.266	0.015	G	1.22	0.02	H	6.9916	0.0008	0.007	68		6.98	7.00		C	17533−0556	I 1	1							S
87560						−0.026	0.014	G	−0.01	0.01	L	6.9641	0.0013	0.009	50		6.95	6.98					1							S P
87561	9.825	0.022	8.383	0.012		1.320	0.015	G	1.28	0.02	H	8.3838	0.0011	0.014	96		8.36	8.41		D			1							
87562	10.748	0.039	10.315	0.045		0.409	0.055	T	0.48	0.06	L	10.3272	0.0039	0.036	116		10.25	10.37					1							G
87563	6.719	0.006	5.304	0.003	A	1.166	0.011	G	1.13	0.01	H *	5.3146	0.0011	0.009	117	*	5.30	5.33		D	17533+4000	I 1	2 C A	AB	112	1.629	0.014	3.55	0.06	S
87564	7.875	0.007	6.581	0.004		1.086	0.000	G	1.05	0.00	H	6.6394	0.0009	0.009	129		6.63	6.65					1							S
87565	8.885	0.010	8.027	0.007	*	0.740	0.015	G	0.79	0.01	H *	8.0734	0.0014	0.017	189	*	8.05	8.10		D	17533+2459	I 1	2 C A	AB	88	0.380	0.002	0.14	0.02	
87566	8.803	0.015	7.548	0.010		1.070	0.014	T	1.03	0.01	L	7.5768	0.0020	0.013	65		7.56	7.60					1							S
87567			6.112	0.010	*	−0.041	0.014	G	0.00	0.01	L *	6.1376	0.0017	0.007	49	*	6.12	6.15		D	17533−3444	I 1	2 C A	AS	58	0.255	0.007	0.05	0.07	S
87568	10.415	0.036	8.878	0.017		1.291	0.031	T	1.25	0.03	L	8.8333	0.0024	0.020	91		8.80	8.87		U			1							
87569	6.997	0.018	5.714	0.008	*	1.098	0.007	G	1.06	0.01	H *	5.7446	0.0009	0.006	50	*	5.73	5.75		D	17534−3454	I 1	2 C B	AB	220	0.397	0.005	0.07	0.04	S
87570	8.345	0.008	8.366	0.010		−0.030	0.015	G	−0.01	0.01	H	8.3839	0.0014	0.015	124		8.35	8.42			17534+1057	I 1	1							
87571	9.150	0.012	8.853	0.013		0.287	0.015	G	0.33	0.02	H	8.9130	0.0017	0.014	122		8.89	8.94					1							
87572	8.538	0.009	8.167	0.009		0.351	0.012	T	0.41	0.01	L	8.2222	0.0013	0.013	120		8.20	8.25					1							S
87573	9.499	0.017	9.056	0.017		0.418	0.022	T	0.48	0.02	L	9.1290	0.0023	0.017	105		9.10	9.16					1 S							
87574	9.527	0.024	9.372	0.030		0.159	0.020	G	0.18	0.02	H	9.4103	0.0019	0.018	66		9.38	9.45		C			1 X							
87575	9.307	0.016	8.815	0.015		0.463	0.020	T	0.53	0.02	L	8.8789	0.0015	0.013	117		8.86	8.90		C			1							
87576	9.017	0.013	8.568	0.013		0.404	0.005	G	0.47	0.01	H	8.6137	0.0017	0.017	124		8.59	8.70		U 2 C			1							
87577	8.534	0.010	8.224	0.011		0.296	0.015	G	0.34	0.02	H	8.2746	0.0017	0.016	142		8.25	8.30		C			1							S
87578	10.679	0.044	9.665	0.029		0.385	0.020	G	0.45	0.02	H	9.7149	0.0021	0.026	111		9.67	9.75					1 S							G
87579	9.725	0.016	8.611	0.011		0.940	0.008	G	0.98	0.01	I	8.6377	0.0025	0.024	143		8.60	8.67					1							
87580	7.981	0.016	7.985	0.013		−0.013	0.002	G	0.01	0.00	H	7.9855	0.0032	0.023	72		7.95	8.01	3.58	P 1 A			1							S
87581	9.820	0.017	9.162	0.016		0.610	0.020	T	0.68	0.02	L	9.2158	0.0019	0.022	124		9.18	9.25		C			1							
87582	9.939	0.018	8.788	0.012		0.989	0.017	T	0.97	0.01	L	8.8337	0.0018	0.020	140		8.80	8.88		C			1							
87583	11.329	0.062	9.416	0.020		1.588	0.052	T	1.61	0.05	L	9.3859	0.0029	0.027	129		9.34	9.45					1							
87584	12.395	0.182	10.429	0.045		1.666	0.154	T	1.77	0.21	K	10.3464	0.0027	0.032	138		10.28	10.40		C			1							G
87585	5.264	0.003	3.867	0.002		1.177	0.015	G	1.11	0.03	C	3.8948	0.0005	0.004	112		3.89	3.90		C	17535+5653	I 1	1							S
87586	9.154	0.013	7.416	0.007		1.450	0.012	T	1.45	0.02	L	7.3979	0.0012	0.013	123		7.38	7.42					1							S
87587	9.773	0.026	9.064	0.023		0.639	0.026	T	0.70	0.02	L	9.1718	0.0028	0.018	69		9.14	9.21		C			1							
87588	9.773	0.020	9.440	0.023		0.316	0.028	T	0.36	0.04	L	9.4343	0.0033	0.026	109		9.40	9.47					1							G
87589	7.093	0.007	6.908	0.008		0.177	0.010	T	0.19	0.01	L	6.9383	0.0011	0.009	58		6.93	6.96		C			1 S							S
87590	8.536	0.012	8.164	0.013		0.383	0.015	G	0.45	0.02	H	8.2044	0.0019	0.017	65		8.17	8.23					1							
87591	11.102	0.061	9.875	0.034		1.048	0.055	T	1.02	0.04	L	9.9055	0.0019	0.022	106		9.87	9.95					1							
87592	7.715	0.010	7.727	0.014		−0.006	0.016	T	0.01	0.01	L	7.7259	0.0033	0.021	59		7.69	7.75		U 2			1							S
87593	7.946	0.006	7.622	0.005		0.330	0.006	G	0.38	0.01	H	7.6694	0.0009	0.011	200		7.65	7.69		C			1							S
87594	8.587	0.011	7.959	0.010		0.599	0.015	G	0.67	0.01	H	7.9968	0.0013	0.011	101		7.97	8.01			17536+6103	I 1	1							S
87595	12.142	0.144	11.252	0.097	B	0.792	0.130	T	0.82	0.09	L	11.8634	0.2383			B				D	17536+2307	I 2	1 C I B							
87596	9.412	0.022	8.424	0.016		0.865	0.020	T	0.88	0.01	L	8.4538	0.0029	0.013	52		8.43	8.47					1							
87597	10.490	0.026	9.045	0.013	A	1.219	0.023	T	1.18	0.02	L	9.0918	0.0232	0.029	197	A	9.03	9.13		D	17536+2307	I 2	1 C P B							
87598	10.300	0.022	9.782	0.021		0.486	0.027	T	0.56	0.03	L	9.8669	0.0022	0.028	186		9.82	9.92					1							
87599	8.905	0.015	7.599	0.010		1.110	0.014	T	1.07	0.01	L	7.6241	0.0015	0.012	64		7.61	7.64		C			1							S
87600	7.765	0.005	7.716	0.007		0.050	0.008	T	0.06	0.01	L	7.7386	0.0012	0.012	140		7.72	7.76		C			1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
1 2	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr												%	
	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
87601	17 53 40.57	+56 23 30.0	8.00	H	268.419 061 35	+56.391 664 42		14.40	−74.69	120.56	0.63	0.58	0.64	0.71	0.68	+ 2	+15	+ 5	+ 8	+14	+ 0	+12	+15	−16	− 1	0	0.24
87602	17 53 40.78	−53 25 29.8	7.84	H	268.419 924 10	−53.424 956 10		4.11	77.27	−5.15	0.94	0.65	1.15	1.05	0.66	−32	−24	− 3	+29	−31	+12	−30	+ 1	+ 1	−37	0	−0.48
87603	17 53 42.49	+64 06 56.7	10.72	G	268.427 049 38	+64.115 745 68		0.93	−3.89	−6.59	1.27	1.29	1.30	1.36	1.43	+ 6	− 5	+ 4	−25	+ 1	+ 1	− 2	− 8	− 3	+24	0	0.63
87604	17 53 44.96	+57 03 21.3	10.90	3 H	268.437 320 86	+57.055 914 86		−0.85	−0.58	16.76	1.06	1.04	1.09	1.20	1.20	+ 7	+ 4	+ 2	+21	+24	+ 6	+22	+ 9	−21	+ 1	0	−0.41
87605	17 53 45.02	+28 57 15.8	9.45	H	268.437 603 87	+28.954 388 12		2.36	−0.25	16.89	0.74	0.82	1.13	0.88	0.87	+ 8	− 6	− 2	− 3	− 1	−21	− 2	+ 6	− 7	+14	0	0.47
87606	17 53 47.10	−19 53 14.1	7.22	H	268.446 241 62	−19.887 239 67		4.67	6.80	−3.46	0.91	0.57	0.91	0.97	0.58	−35	−29	− 2	−29	+42	−11	+39	−59	− 2	−36	0	−0.49
*87607	17 53 48.67	−44 17 21.0	11.19	G	268.452 788 75	−44.289 175 02		31.11	−139.71	−162.74	2.66	1.84	2.98	2.88	1.83	+18	−38	−26	+34	−16	− 3	−14	+34	+ 0	− 5	0	0.84
*87608	17 53 48.63	−57 59 19.3	8.54	H	268.452 644 78	−57.988 699 86		0.07	9.07	−1.87	0.95	0.67	1.12	1.05	0.69	+ 9	−30	− 3	−19	−19	+ 7	−18	−27	+ 7	+12	0	0.65
87609	17 53 49.43	+73 17 45.6	8.97	H	268.455 942 44	+73.295 995 17		2.26	6.75	0.64	0.68	0.70	0.74	0.74	0.89	+ 6	−18	+11	− 1	+ 5	−17	+10	−24	−22	+ 6	0	1.69
87610	17 53 49.70	+30 22 13.4	7.45	H	268.457 084 09	+30.370 379 11		7.69	−7.58	−1.22	0.51	0.56	0.73	0.60	0.61	− 4	−10	+ 2	+ 1	+ 8	−21	+ 8	+ 0	− 5	+ 7	0	0.20
87611	17 53 51.21	−41 10 32.5	7.91	H	268.463 380 37	−41.175 692 49		0.56	2.33	−4.51	1.03	0.72	1.11	1.27	0.76	− 9	− 6	+ 1	+33	−29	−14	−25	+47	−12	− 2	0	−0.31
87612	17 53 52.10	+47 00 58.4	9.64	H	268.467 101 09	+47.016 234 88		13.14	−162.69	71.55	0.86	0.89	0.99	1.02	1.09	+ 7	−17	−17	+ 7	+ 5	−14	+ 3	+19	− 8	+ 8	0	0.23
87613 H	17 53 52.48	−32 28 41.1	8.36	G	268.468 678 36	−32.478 081 96	A	5.28	0.52	7.63	2.05	1.48	1.88	2.52	1.76	−19	−42	−14	+51	−28	− 4	−25	+47	−10	−54	0	−0.20
87614	17 53 53.15	+49 48 10.7	10.94	H	268.471 438 25	+49.802 959 57		5.71	−49.64	167.75	1.48	1.54	1.66	1.73	1.96	+20	−25	− 4	+ 5	+ 7	− 9	+14	+22	−22	+12	0	2.55
87615	17 53 54.36	+09 47 07.3	8.32	H	268.476 519 06	+09.785 352 37		6.81	−6.96	−4.68	0.87	0.68	1.08	0.95	0.65	− 8	−11	− 8	+ 1	+48	−12	+45	+35	−19	− 9	0	−0.57
87616	17 53 54.77	−34 45 09.8	6.00	2 G	268.478 215 19	−34.752 709 86		3.23	2.45	−4.70	0.77	0.57	0.83	1.01	0.72	+ 4	−23	−20	+13	− 7	−12	−16	− 5	+ 6	−35	0	−0.67
87617	17 53 54.92	+35 07 00.4	10.66	H	268.478 847 75	+35.116 775 93		2.25	−15.09	−17.38	1.12	1.25	1.50	1.31	1.53	+ 4	−15	+ 5	+ 1	+ 5	− 8	+ 7	− 4	− 9	+ 8	0	1.75
87618	17 53 55.14	+48 31 06.5	8.40	H	268.479 731 27	+48.518 475 73		8.61	37.68	30.26	0.72	0.63	0.74	0.82	0.73	+ 7	−28	+ 3	+15	+13	+ 1	+14	+13	− 5	+19	1	1.68
87619	17 53 55.40	−58 16 21.3	7.56	H	268.480 826 19	−58.272 595 05		4.28	14.14	0.16	0.68	0.49	0.84	0.75	0.50	− 3	−27	−10	−23	+ 1	+ 9	− 1	−27	+11	+ 4	0	−1.05
87620	17 53 56.84	+18 35 24.2	8.14	H	268.486 845 58	+18.590 064 28		1.94	−4.06	0.51	0.72	0.72	1.03	0.81	0.86	+28	−27	−27	+32	+49	−11	+47	+15	−10	− 2	0	−0.37
87621	17 53 56.87	+07 55 23.9	7.97	G	268.486 963 93	+07.923 292 03		8.04	43.18	−8.08	0.73	0.63	0.99	0.82	0.71	−26	−20	+ 0	− 2	+24	−25	+28	−16	−11	− 3	0	1.54
87622	17 53 58.02	−00 52 58.3	8.95	H	268.491 755 64	−00.882 865 82		4.63	−0.64	6.58	1.18	0.85	1.27	1.42	1.06	− 6	−20	− 6	−16	+27	+11	+21	−14	+25	+24	0	0.39
87623	17 53 58.10	+44 09 53.0	9.02	H	268.492 081 79	+44.164 727 54		2.80	10.70	0.46	0.75	0.68	0.79	0.76	0.76	− 1	− 6	− 4	−19	+11	−10	+11	+ 7	+ 1	+ 3	1	−0.36
87624	17 53 58.13	−34 49 51.8	6.41	1 G	268.492 222 34	−34.831 042 28		3.35	4.33	−4.59	0.82	0.61	0.90	1.09	0.78	+ 2	−24	−19	+ 7	+ 5	− 7	− 3	−13	+10	−33	0	−0.37
87625	17 53 58.89	−17 24 44.5	8.34	H	268.495 371 64	−17.412 369 49		−1.68	−9.14	−6.99	1.01	0.66	1.12	1.06	0.69	+ 4	−22	−17	−10	+16	−17	+ 5	−43	+15	−21	2	1.05
87626	17 53 58.94	+18 33 51.4	8.97	H	268.495 596 00	+18.564 287 31		−0.97	−3.08	−4.61	0.97	1.05	1.48	1.11	1.12	+44	−39	−49	+45	+56	−24	+44	+13	− 5	+ 4	0	0.86
87627	17 54 00.11	+34 40 01.4	7.57	H	268.500 438 56	+34.667 059 63		3.73	−23.88	−40.58	0.55	0.60	0.74	0.60	0.71	+ 0	−18	−14	− 7	+10	− 7	+ 9	− 4	+ 5	+ 1	0	−0.89
87628	17 54 00.58	+19 32 50.8	8.80	H	268.502 435 33	+19.547 438 15		1.39	3.56	−2.00	0.86	0.83	1.25	0.86	0.95	+23	−42	−10	+26	+42	−11	+39	+18	− 2	+ 9	0	−0.76
87629	17 54 00.73	+49 47 42.2	8.37	H	268.503 029 68	+49.795 068 07		6.32	−0.63	29.66	0.71	0.63	0.76	0.85	0.93	+ 5	−12	− 6	− 2	+ 0	−18	+ 3	+13	−25	+ 2	0	0.19
87630	17 54 01.36	+73 07 16.5	7.99	H	268.505 660 41	+73.121 239 14		3.02	−29.63	26.80	0.60	0.62	0.64	0.68	0.80	+ 6	− 9	+13	− 6	+ 5	−13	+ 9	−17	−11	+11	0	1.79
87631	17 54 01.41	+42 38 49.5	7.35	H	268.505 871 85	+42.647 085 65		4.29	6.11	3.61	0.51	0.51	0.60	0.57	0.58	+ 5	− 2	−12	+ 5	+11	−12	+ 9	+12	+ 2	+ 9	1	0.15
87632	17 54 03.19	+32 31 01.0	11.10	H	268.513 291 77	+32.516 936 50		1.45	−1.45	2.03	1.37	1.56	1.96	1.57	1.88	+17	−26	−18	+10	+ 5	− 2	+ 3	+15	+ 9	+ 6	0	0.61
87633	17 54 03.69	−01 37 09.4	6.72	H	268.515 393 48	−01.619 264 06		6.25	−11.27	−19.83	0.69	0.50	0.78	0.67	0.53	+11	−34	−20	−13	−24	+13	−20	−14	− 4	+ 0	0	0.45
87634 H	17 54 04.12	+39 27 49.3	8.90	H	268.517 154 50	+39.463 684 92	A	8.27	−4.65	34.07	1.27	1.33	1.38	1.30	1.38	+ 8	+ 6	+14	+28	+ 6	− 5	+ 7	+13	− 6	+ 8	2	0.02
87635	17 54 04.21	−48 20 30.7	8.44	H	268.517 550 36	−48.341 865 78		5.47	0.03	−46.54	1.03	0.63	1.19	1.23	0.65	−33	−12	+ 4	+46	−36	+17	−30	− 6	+ 7	−20	0	0.72
87636	17 54 05.10	+27 20 34.1	8.15	H	268.521 259 95	+27.342 800 72		9.35	−42.94	−119.37	0.59	0.64	0.89	0.76	0.74	+ 4	+ 1	−12	+ 8	+20	− 2	+18	+ 7	+ 7	+10	0	0.39
87637	17 54 05.36	+00 41 58.3	8.52	H	268.522 318 47	+00.699 535 02		2.97	22.70	−24.55	1.04	0.78	1.17	1.30	0.95	+15	−28	−19	−11	− 2	+11	+ 3	−19	− 5	+32	3	−1.82
87638 H	17 54 05.62	−75 14 14.6	8.14	G	268.523 401 90	−75.237 394 40	A	19.21	−54.50	−174.83	1.16	1.51	1.72	1.22	1.75	+ 3	−15	+ 0	+ 3	−11	+ 5	− 8	+37	−13	+ 0	1	0.61
87639	17 54 05.77	+78 40 46.5	7.60	H	268.524 031 73	+78.679 576 23		6.20	11.49	22.59	0.52	0.53	0.56	0.58	0.68	+ 5	−10	+ 3	− 7	+ 3	−10	+ 5	−16	−14	+ 9	0	−0.05
87640	17 54 06.35	−14 54 28.4	8.69	H	268.526 447 33	−14.907 880 34		3.00	−2.08	−5.67	1.20	0.76	1.50	1.55	0.82	−14	+ 3	−33	−38	+37	−55	+22	−56	+32	−40	0	1.90
87641 H	17 54 07.37	+47 02 13.6	8.98	G	268.530 728 56	+47.037 124 19	A	5.78	16.33	4.03	2.63	4.33	1.12	1.10	1.33	−29	− 3	− 6	+10	+ 3	− 4	+ 7	+19	−28	− 5	1	−0.15
87642	17 54 07.56	−11 20 15.1	6.51	H	268.531 497 27	−11.337 531 75		7.67	8.41	−2.04	0.86	0.55	0.96	1.15	0.66	+ 1	−32	−22	+18	+ 2	− 8	− 4	−21	+15	− 5	0	−0.54
87643	17 54 07.87	+16 56 37.7	8.91	3 H	268.532 781 76	+16.943 804 16		4.78	−20.88	17.69	0.94	0.86	1.15	1.12	0.91	+25	−22	−15	+47	+36	− 8	+33	+43	−11	+ 8	0	−2.15
*87644 H	17 54 08.05	+29 48 44.9	8.32	H	268.533 552 08	+29.812 468 67	A	5.78	5.66	−8.71	1.68	2.01	2.11	1.77	2.08	+ 2	− 2	+ 8	− 9	+ 5	− 7	+ 5	− 7	+ 4	+11	2	1.58
*87645	17 54 08.01	+34 09 50.9	9.03	H	268.533 364 38	+34.164 131 29		2.75	−3.10	0.53	0.66	0.70	0.87	0.70	0.78	+ 8	−18	−10	+ 2	+10	−10	+ 9	+ 4	+ 5	+11	1	1.22
87646 H	17 54 09.43	−42 42 59.5	9.41	H	268.539 279 10	−42.716 525 75	*	−0.64	0.22	−5.48	1.53	1.13	1.68	2.01	1.23	− 5	−21	+ 0	+24	−18	−24	−17	+45	+ 0	+ 3	3	−0.72
87647	17 54 09.74	+40 28 00.3	8.69	H	268.540 583 05	+40.466 756 98		4.53	−6.06	−2.63	0.59	0.65	0.73	0.63	0.69	− 4	− 5	− 5	− 3	− 1	−11	− 2	+ 4	+ 3	+ 5	0	−0.15
87648	17 54 11.00	−56 48 34.0	8.91	H	268.545 849 35	−56.809 443 71		1.14	0.17	−5.93	1.18	0.84	1.25	1.52	0.88	+ 4	−10	+ 7	+ 4	−47	+ 0	−39	−10	−12	+ 4	0	−1.19
87649	17 54 11.90	−52 33 07.4	8.98	H	268.549 573 25	−52.552 054 02		3.33	−2.02	−37.13	1.32	0.86	1.51	1.54	0.95	−43	−37	+ 3	+23	−28	+ 2	−30	− 2	+16	−50	0	−0.16
87650	17 54 12.75	−52 30 13.7	10.47	H	268.553 117 78	−52.503 799 74		1.37	−3.49	2.76	2.20	1.38	2.52	2.41	1.50	−39	−43	+ 5	+27	−34	+ 1	−37	+ 4	+18	−46	0	0.02
87651	17 54 12.82	−40 25 24.8	9.12	H	268.553 412 85	−40.423 554 03		9.16	−111.00	65.79	1.31	0.91	1.51	1.79	1.10	− 1	−31	+ 1	+23	− 7	− 7	− 8	+45	− 2	+21	0	1.26
87652	17 54 13.38	+08 42 25.8	8.95	H	268.555 762 45	+08.707 162 14		0.88	−0.79	−10.52	1.14	0.97	1.55	1.35	1.04	−40	+26	−24	−35	+39	−39	+30	−29	− 8	+ 1	0	−1.65
87653	17 54 13.89	−46 32 28.8	9.25	H	268.557 869 49	−46.541 335 69		3.94	10.10	−36.49	1.44	0.86	1.50	1.61	0.91	+15	−35	−11	+20	−38	− 7	−46	−35	+23	− 4	4	−1.09
87654	17 54 14.05	+06 00 29.5	9.51	H	268.558 544 75	+06.008 195 08		0.63	2.16	1.71	1.16	1.08	1.59	1.43	1.19	+ 8	−36	−32	−22	−20	+38	− 3	−33	− 8	− 2	0	0.49
87655	17 54 14.21	+11 07 51.4	6.24	2 H	268.559 205 21	+11.130 954 38		14.72	−70.81	−163.11	0.62	0.55	0.81	0.81	0.60	−30	−14	+ 6	+ 5	+15	− 1	+24	+34	−16	−43	0	0.80
87656	17 54 14.38	−34 43 39.5	6.88	G	268.559 906 74	−34.727 634 27		2.78	3.20	−5.94	0.87	0.64	0.92	1.15	0.81	+ 1	−25	−23	+22	−10	− 9	−19	+ 1	+ 8	−39	0	−1.96
87657	17 54 15.67	−31 15 39.2	8.83	G	268.565 288 79	−31.260 882 65		2.93	2.88	−7.16	1.38	1.07	1.48	1.92	1.45	−23	−16	−35	+38	−37	+20	−25	+47	−36	−60	0	−0.15
87658	17 54 15.81	−41 35 53.5	11.13	G	268.565 876 48	−41.598 196 26		22.27	−75.26	−203.13	6.75	4.62	7.66	8.36	5.02	− 2	−28	−25	+26	−22	−14	−20	+34	− 8	−20	0	
87659	17 54 15.97	−04 12 42.9	7.75	H	268.566 542 76	−04.211 923 91		1.76	6.40	−3.88	0.79	0.59	0.88	0.87	0.69	−12	−26	− 9	− 3	+ 6	+ 6	+ 6	−11	− 4	−29	0	0.72
87660	17 54 18.27	−47 25 36.6	8.75	G	268.576 119 40	−47.426 829 59		2.95	−18.05	−21.49	1.18	0.75	1.34	1.48	0.76	+ 0	−11	+16	+21	−40	− 4	−38	−41	+ 8	− 4	0	−1.43
87661 H	17 54 18.35	−25 57 43.7	9.00	H	268.576 446 72	−25.962 134 83	A	5.88	31.66	−0.45	3.07	2.26	1.61	1.75	0.97	+45	−16	−12	+ 3	− 6	− 7	−13	−27	+11	+22	1	−0.54
87662 H	17 54 18.39	+53 57 19.3	9.97	H	268.576 619 27	+53.955 350 35	B	3.10	6.78	−16.52	3.68	2.90	2.27	2.83	2.33	+19	− 3	− 4	+22	+10	−16	+ 7	+ 9	−27	+ 6	2	−0.22
87663	17 54 23.78	+86 33 31.0	7.67	H	268.599 101 76	+86.558 604 66		4.70	1.10	21.17	0.55	0.57	0.62	0.60	0.68	+ 5	−12	− 8	+ 4	+ 9	+ 8	+11	+18	− 7	+ 7	0	0.78
87664	17 54 24.16	−33 37 06.2	8.48	H	268.600 674 53	−33.618 383 53		15.56	−112.38	−147.81	1.12	0.77	1.25	1.50	1.02	+15	−36	−27	+19	+ 1	−19	− 3	+16	− 2	+ 9	0	−0.83
87665	17 54 24.38	−38 37 34.5	7.18	H	268.601 573 46	−38.626 236 63		19.71	3.67	−121.61	0.95	0.64	1.00	1.08	0.67	−10	−35	− 6	+32	−26	+ 0	−24	+54	− 3	+10	0	0.99
87666	17 54 25.10	+59 53 33.2	8.73	H	268.604 598 05	+59.892 548 38		4.22	11.47	−9.17	0.70	0.71	0.74	0.82	0.79	+11	−15	−10	− 7	+ 6	− 4	+ 6	+ 4	−13	+26	0	2.36
87667	17 54 25.31	−68 39 28.1	7.51	H	268.605 449 03	−68.657 807 40		1.73	−3.65	−10.90	0.54	0.62	0.96	0.71	0.76	+14	−11	− 1	+29	−32	−13	−29	−13	−11	+15	0	−1.79
87668	17 54 26.13	−23 14 09.7	9.24	2 H	268.608 884 12	−23.236 018 17		−2.33	1.95	−0.20	1.12	0.61	1.25	1.25	0.63	+19	−37	−20	+13	+12	−18	− 6	−48	+18	− 4	2	1.31
87669	17 54 26.50	−66 05 58.5	8.20	H	268.610 403 49	−66.099 592 06		5.22	7.49	0.69	0.57	0.75	1.10	0.71	0.82	−15	− 3	+ 6	− 3	− 2	− 3	+ 2	−22	−19	+ 5	0	0.66
87670	17 54 26.75	+75 10 16.4	6.39	H	268.611 441 30	+75.171 214 97		6.81	−12.52	38.11	0.54	0.56	0.54	0.58	0.63	+25	−19	+10	−29	−25	− 4	−22	−39	− 5	+46	0	0.26
87671	17 54 27.12	−34 28 00.2	6.10	H	268.613 003 45	−34.466 711 07		3.87	1.90	−4.62	0.77	0.57	0.84	0.98	0.70	+ 8	−28	−18	+ 9	− 8	−17	−16	−10	+ 8	−27	0	−1.74
87672	17 54 27.30	−37 27 00.5	8.02	H	268.613 744 31	−37.450 132 83		2.52	2.74	−0.38	1.05	0.69	1.09	1.39	0.77	+ 5	−22	−12	+47	− 5	+ 6	− 1	+58	− 1	+30	0	1.82
87673	17 54 27.39	−58 54 41.4	7.52	H	268.614 139 41	−58.911 506 18		3.77	−0.08	−22.94	0.62	0.50	0.82	0.69	0.51	− 5	−17	−17	−15	+12	+ 1	+ 9	−27	+18	+ 6	0	−2.31
87674	17 54 28.12	−27 17 38.7	9.10	H	268.617 176 46	−27.294 086 21		−2.64	−1.14	−2.73	1.60	0.98	1.89	2.09	1.31	+ 3	−49	−33	+ 7	+11	−13	− 6	−10	+23	−26	3	1.32
87675	17 54 28.33	+03 43 55.9	6.57	H	268.618 061 11	+03.732 196 83		3.69	6.92	−20.31	0.72	0.57	0.83	0.87	0.74	+15	−38	−14	−13	−11	+12	− 8	−24	+ 4	+27	0	0.53
87676	17 54 28.49	+39 14 21.9	9.15	H	268.618 698 23	+39.239 418 50		6.19	15.73	25.80	0.80	0.78	0.94	0.92	0.91	− 2	− 9	− 7	+13	+ 6	− 8	+ 6	+ 2	− 5	+ 0	0	−0.68
87677	17 54 28.80	−64 52 01.4	9.52	H	268.620 004 31	−64.867 048 16		2.99	−4.91	−2.83	0.89	0.92	1.29	0.90	0.92	+ 6	−23	+16	−14	+ 0	+ 7	+ 1	−24	− 8	+17	0	0.57
87678	17 54 29.82	−03 27 43.6	7.32	H	268.624 251 04	−03.462 104 71		19.43	18.46	−144.12	0.78	0.54	0.86	0.78	0.60	+ 5	−34	−16	+ 9	+ 4	+ 3	+ 0	+ 0	+10	−14	0	−0.25
87679	17 54 30.08	−26 37 54.3	8.55	H	268.625 317 43	−26.631 754 31		20.76	−0.98	−138.88	1.14	0.62	1.25	1.34	0.69	+ 9	−41	−20	+18	+20	− 3	+ 1	−30	+21	−15	0	−0.62
87680	17 54 30.84	+38 27 21.5	8.53	H	268.628 505 03	+38.455 967 22		6.46	0.91	25.10	0.65	0.68	0.81	0.73	0.83	+ 2	− 7	−11	+18	+ 5	−19	+ 3	+ 8	−13	− 6	0	−0.84
87681	17 54 31.20	+30 24 37.7	11.50	3 H	268.629 990 47	+30.410 473 16		0.60	3.10	1.16	1.17	1.27	1.64	1.42	1.43	+ 2	−21	− 7	−16	+ 4	−10	+ 2	+ 4	− 1	+ 8	4	−1.38
87682	17 54 31.64	+23 13 56.4	8.56	H	268.631 836 45	+23.232 338 41		2.70	3.96	−16.73	0.48	0.77	1.01	0.60	0.85	+ 4	− 6	−28	+39	+ 0	+ 9	+ 3	+38	−12	− 2	0	0.15
87683	17 54 33.68	+16 18 32.5	7.80	H	268.640 326 39	+16.309 016 75		3.85	−5.03	−2.69	0.69	0.66	0.91	0.83	0.71	+11	− 8	− 3	+32	+35	− 1	+31	+30	+ 0	+ 0	0	−0.09
87684	17 54 34.26	−28 08 06.0	10.22	G	268.642 759 42	−28.135 006 14		2.97	−5.06	1.21	1.77	1.25	1.80	2.40	1.70	−22	−25	− 7	+25	−21	−10	+20	+26	+ 0	−46	0	0.59
87685	17 54 34.33	+24 16 14.5	8.44	H	268.643 059 80	+24.270 703 53		5.32	−3.77	−13.47	0.46	0.67	0.96	0.57	0.80	+13	−12	−13	+23	+ 7	+ 3	+ 7	+28	+ 2	+15	0	1.03
87686	17 54 38.26	−33 57 22.7	7.81	H	268.659 417 49	−33.956 303 93		4.12	3.65	−5.97	0.94	0.69	1.02	1.22	0.86	+ 1	−20	− 7	+17	+ 0	−13	− 2	+12	+ 1	− 9	0	−1.35
87687	17 54 38.62	+64 59 35.0	8.21	G	268.660 932 18	+64.993 057 83		12.55	4.56	−59.16	0.66	0.65	0.67	0.75	0.75	+ 8	−30	− 4	+17	+14	+ 3	+13	+34	− 7	+21	0	−0.05
87688	17 54 38.69	−40 15 10.7	8.14	1 H	268.661 211 55	−40.252 964 60		1.91	0.76	8.53	1.11	0.81	1.25	1.59	0.97	−14	−10	+ 1	+30	−12	−13	−14	+46	− 9	+17	0	0.11
87689	17 54 38.73	−40 20 53.3	8.79	H	268.661 387 75	−40.348 125 56		10.95	−45.99	31.09	1.19	0.78	1.40	1.42	0.85	+ 0	−37	−10	+20	−18	−15	−14	+38	− 8	+ 4	0	0.31
87690	17 54 39.01	−29 13 40.8	8.86	H	268.662 533 09	−29.228 000 83		−1.88	0.86	−1.47	1.40	1.02	1.40	2.25	1.62	+ 4	+ 6	+ 0	+46	− 1	+29	+ 0	+42	+22	+14	4	0.99
87691	17 54 40.03	+45 33 14.7	7.68	H	268.666 776 11	+45.554 071 23		15.59	41.27	24.98	0.53	0.56	0.63	0.59	0.59	+ 3	−15	−19	+ 2	+ 7	−22	+ 3	+ 6	− 4	+ 7	3	1.86
87692	17 54 40.55	+18 11 08.5	7.76	2 H	268.668 962 92	+18.185 684 85		0.67	−1.92	−6.92	0.77	0.73	0.98	0.86	0.80	+42	−34	−21	+46	+60	−25	+55	+40	− 7	+26	1	0.79
87693	17 54 43.37	+20 16 19.5	9.77	2 H	268.680 706 43	+20.272 083 67		6.47	−220.79	−350.50	4.77	5.14	7.85	5.79	5.75	− 6	−19	−10	−18	+24	−17	+19	−25	+ 9	−14	0	
87694	17 54 44.24	+45 13 01.2	8.04	H	268.684 344 12	+45.217 004 74		2.24	−2.01	0.34	0.57	0.57	0.64	0.66	0.64	+13	−21	−15	−11	+ 1	− 8	+ 0	+ 4	+ 2	+ 9	4	−0.55
*87695	17 54 44.31	−55 53 54.3	7.31	H	268.684 643 70	−55.898 404 20		5.19	8.11	−10.49	0.74	0.53	0.84	1.04	0.57	−22	−12	+ 1	+15	−23	−20	−21	+ 2	+ 7	−38	0	0.51
*87696	17 54 44.30	−60 14 17.6	8.50	H	268.684 562 60	−60.238 235 76		9.67	−34.90	−162.33	0.84	0.69	1.09	0.99	0.74	+13	−12	− 1	−32	−17	+13	−15	−44	+ 6	+34	0	0.87
87697	17 54 45.54	−51 03 47.4	10.86	2 H	268.689 739 14	−51.063 163 90		0.56	−4.86	−7.17	2.45	1.54	2.82	3.02	1.73	−34	−23	+ 4	+35

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
87601	8.967	0.012	8.097	0.010		0.777	0.012	T	0.81	0.01	L	8.1487	0.0014	0.013	123		8.13	8.18					1							S
87602	9.304	0.017	7.971	0.010		1.131	0.015	T	1.09	0.02	L	8.0101	0.0017	0.012	100		7.99	8.03		C			1							
87603						1.120	0.015	G	1.08	0.02	H	11.0419	0.0045	0.036	115		10.99	11.10		C			1							G
87604	12.123	0.274	10.230	0.069		1.606	0.233	T	5.75	0.90	K	9.3769	0.0177	0.190	111		8.98	9.66		U 2			1	S						G
87605	9.770	0.017	9.463	0.019		0.292	0.024	T	0.33	0.03	L	9.5248	0.0024	0.025	149		9.49	9.57		C			1							
87606	8.767	0.011	7.372	0.007		1.179	0.010	T	1.14	0.01	L	7.3823	0.0016	0.010	91		7.37	7.40		C			1							S
87607						1.350	0.015	G	1.57	0.03	I	11.2628	0.0088	0.055	64		11.16	11.34					1							G
87608	10.567	0.034	8.706	0.013		1.547	0.029	T	1.61	0.06	L	8.6596	0.0019	0.019	122		8.63	8.68					1							
87609	10.447	0.034	9.063	0.017		1.171	0.030	T	1.13	0.03	L	9.1363	0.0014	0.014	102		9.11	9.16		C			1							
87610	7.713	0.007	7.473	0.007		0.229	0.009	T	0.25	0.01	L	7.5223	0.0012	0.011	136		7.50	7.54		C			1							S
87611	9.823	0.028	8.059	0.013		1.470	0.024	T	1.48	0.04	L	8.0431	0.0018	0.010	70		8.02	8.06					1							
87612	10.591	0.041	9.711	0.030		0.770	0.039	T	0.81	0.03	L	9.7840	0.0020	0.021	123		9.73	9.82		C			1							
87613	9.454	0.040	8.384	0.027	*	0.960	0.015	G	0.95	0.01	H	* 8.5314	0.0026	0.017	53	*	8.51	8.56		D	17539−3229	I 1	2 C	A	AB	333	5.698	0.011	2.17	0.06	
87614	12.149	0.214	10.917	0.109		1.052	0.187	T	1.02	0.15	L	11.1143	0.0049	0.042	102		10.99	11.19					1							G
87615	9.860	0.038	8.453	0.022		1.189	0.034	T	1.15	0.03	L	8.4745	0.0015	0.014	118		8.45	8.50		C			1							
87616						−0.060	0.150	G	0.02	0.01	L	5.9758	0.0063	0.102	46		5.95	6.19	2.79	P 1 A	17539−3445	I 1	1	S						S
87617	11.436	0.071	10.746	0.065		0.637	0.079	T	0.70	0.07	L	10.7970	0.0036	0.039	118		10.75	10.87					1							G
87618	9.044	0.014	8.456	0.013		0.549	0.017	T	0.62	0.02	L	8.5247	0.0014	0.015	107		8.50	8.55		C			1							S
87619	7.726	0.007	7.587	0.007		0.134	0.009	T	0.15	0.01	L	7.6114	0.0012	0.012	143		7.59	7.63		C			1							S
87620	8.213	0.007	8.132	0.008		0.080	0.010	T	0.09	0.01	L	8.1715	0.0012	0.015	139		8.15	8.20					1							
87621	8.545	0.010	8.034	0.010		0.480	0.013	T	0.55	0.01	L	8.0800	0.0016	0.015	102		8.06	8.11					1							S
87622	10.395	0.042	9.107	0.024		1.096	0.038	T	1.06	0.04	L	9.1193	0.0020	0.016	58		9.09	9.14					1							
87623	9.209	0.014	9.055	0.017		0.167	0.015	G	0.18	0.01	H	9.0722	0.0016	0.017	115		9.05	9.11		C			1							
87624						0.000	0.006	G	0.02	0.01	H	6.4160	0.0023	0.013	47		6.40	6.44	4.46	P 1 A			1							S P
87625	10.596	0.041	8.553	0.014		1.692	0.035	T	1.72	0.04	L	8.4420	0.0021	0.016	90		8.41	8.47					1							
87626	10.877	0.045	9.114	0.016		1.469	0.038	T	1.48	0.06	L	9.0970	0.0020	0.022	137		9.06	9.13					1							
87627	8.982	0.012	7.683	0.007		1.104	0.011	T	1.07	0.01	L	7.7413	0.0014	0.013	140		7.72	7.77					1							S
87628	8.864	0.012	8.803	0.015		0.061	0.018	T	0.07	0.01	L	8.8282	0.0020	0.017	122		8.79	8.86					1							
87629	9.524	0.019	8.455	0.013		0.926	0.017	T	0.92	0.01	L	8.5267	0.0016	0.015	108		8.50	8.56					1							
87630	9.487	0.015	8.139	0.009		1.143	0.014	T	1.11	0.01	L	8.1573	0.0012	0.011	105		8.14	8.18		C			1							
87631	8.627	0.010	7.445	0.007		1.013	0.010	T	0.99	0.01	L	7.5199	0.0009	0.010	122		7.51	7.54		C			1							S
87632	11.773	0.105	11.035	0.094		0.567	0.107	G	0.64	0.10	R	11.2210	0.0050	0.046	120		11.15	11.29		C			1							G
87633	6.806	0.005	6.730	0.006		0.075	0.007	T	0.09	0.01	L	6.7455	0.0011	0.007	72		6.73	6.76		C			1							S
87634	9.433	0.021	8.856	0.019	*	0.539	0.025	T	0.61	0.03	L	* 9.0170	0.0021	0.023	125	*	8.98	9.05		D	17541+3928	I 1	2 C	A	AB	284	5.446	0.013	2.29	0.06	S
87635	8.969	0.011	8.515	0.011		0.442	0.012	T	0.51	0.01	L	8.5415	0.0020	0.021	144		8.51	8.58			17541−4820	I 1	1	S						
87636	8.710	0.010	8.194	0.009		0.485	0.012	T	0.56	0.01	L	8.2561	0.0017	0.015	149		8.23	8.28					1							S
87637	10.087	0.030	8.692	0.017		1.179	0.027	T	1.14	0.02	L	8.6838	0.0024	0.019	70		8.66	8.71		C			1							
87638	8.893	0.017	8.238	0.015	A	0.642	0.004	G	0.71	0.00	H	* 8.2538	0.0014	0.017	153	*	8.23	8.28			17541−7514	I 1	2 C	B	AB	19	6.090	0.060	3.52	0.20	S
87639	8.083	0.006	7.651	0.008		0.428	0.015	G	0.50	0.02	H	7.6954	0.0010	0.009	114		7.68	7.71		C			1							S
87640	9.220	0.017	8.778	0.017		0.431	0.019	T	0.50	0.02	L	8.7918	0.0019	0.015	72		8.76	8.81					1							
87641	9.368	0.016	8.990	0.016	*	0.343	0.004	G	0.40	0.01	H	* 9.0582	0.0017	0.020	122	*	9.03	9.09		D	17541+4702	H 1	2 C	A	AB	162	0.309	0.016	2.04	0.18	
87642	8.077	0.010	6.665	0.006		1.193	0.009	T	1.15	0.01	L	6.6787	0.0012	0.008	63		6.67	6.69			17541−1120	I 1	1							S
87643	9.150	0.015	8.986	0.018		0.150	0.022	T	0.17	0.02	L	8.9649	0.0037	0.043	101		8.94	9.48	1.55	P 1 A			1							
87644	8.951	0.012	8.568	0.012	*	0.363	0.016	T	0.42	0.02	L	* 8.4040	0.0019	0.020	144	*	8.37	8.45		D	17541+2949	I 1	2 C	A	AB	240	1.108	0.004	0.13	0.01	S
87645	9.147	0.012	9.044	0.015		0.100	0.018	T	0.11	0.02	L	9.0672	0.0017	0.019	141		9.03	9.11					1							
87646	10.456	0.050	9.523	0.035	*	0.824	0.045	T	0.85	0.03	L	* 9.5606	0.0032	0.026	66	*	9.50	9.61		C	17542−4243	H 1	2 C	S A	AB	354	0.173	0.015	0.48	0.52	
87647	8.839	0.012	8.679	0.015		0.154	0.018	T	0.17	0.02	L	8.7433	0.0016	0.015	122		8.72	8.77		C			1							
87648	10.186	0.031	9.023	0.020		0.998	0.029	T	0.98	0.02	L	9.0757	0.0029	0.021	84		9.04	9.11		C			1							
87649	10.527	0.035	9.095	0.018		1.208	0.031	T	1.17	0.03	L	9.1442	0.0022	0.017	95		9.11	9.17		C			1							
87650	11.220	0.067	10.510	0.058		0.653	0.072	T	0.72	0.06	L	10.6082	0.0055	0.041	102		10.57	10.67					1							G
87651	9.782	0.030	9.233	0.029		0.520	0.031	T	0.59	0.03	L	9.2311	0.0038	0.024	71		9.20	9.26					1							
87652	10.657	0.042	9.115	0.020		1.295	0.037	T	1.25	0.04	L	9.1089	0.0024	0.020	87		9.07	9.14		C			1	S						
87653	9.811	0.019	9.292	0.019		0.497	0.020	T	0.57	0.02	L	9.3590	0.0028	0.021	112		9.32	9.39		C			1							
87654	10.044	0.036	9.555	0.035		0.460	0.046	T	0.53	0.05	L	9.6198	0.0029	0.017	57		9.59	9.66		C			1							
87655	6.801	0.012	6.309	0.012		0.474	0.013	T	0.55	0.01	L	6.3431	0.0108	0.128	138		6.25	6.55	0.80	P 1 A	17542+1108	I 1	1 G							S
87656						0.036	0.027	G	0.02	0.01	L	6.8978	0.0018	0.010	49		6.89	6.91					1							S
87657	8.890	0.021	8.885	0.028		0.151	0.015	G	0.17	0.01	H	8.8316	0.0022	0.016	45		8.80	8.88		C			1							
87658						0.912	0.003	G	0.96	0.00	I	11.0973	0.0077	0.059	70		11.01	11.20		R			1 X							G
87659	10.354	0.037	8.036	0.011		1.912	0.031	T	1.95	0.03	L	7.8298	0.0025	0.016	70		7.80	7.85					1							
87660	10.310	0.027	8.884	0.014		1.220	0.015	G	1.18	0.01	I	8.9152	0.0020	0.017	125		8.88	8.94					1							
87661	9.740	0.031	9.083	0.027	*	0.600	0.031	T	0.67	0.03	L	* 9.1279	0.0018	0.015	88	*	9.10	9.15		D	17543−2558	I 1	2 C	A	AB	43	0.321	0.005	0.62	0.05	
87662	10.537	0.041	10.025	0.040	*	0.481	0.052	T	0.55	0.06	L	* 10.0722	0.0025	0.022	96	*	10.03	10.10		D	17543+5357	I 1	2 C	A	BA	257	0.375	0.005	0.28	0.05	
87663	9.130	0.017	7.789	0.010		1.137	0.015	T	1.10	0.02	L	7.8361	0.0013	0.012	134		7.81	7.86					1							S
87664	9.296	0.030	8.600	0.027		0.630	0.030	T	0.70	0.03	L	8.6098	0.0018	0.013	46		8.59	8.63					1							
87665	7.693	0.010	7.246	0.010		0.435	0.011	T	0.50	0.01	L	7.2819	0.0010	0.007	74		7.27	7.29					1							S
87666	9.906	0.022	8.826	0.015		0.934	0.020	T	0.93	0.01	L	8.8890	0.0021	0.021	115		8.85	8.92					1							
87667	8.696	0.008	7.613	0.006		0.937	0.008	T	0.93	0.01	L	7.6680	0.0010	0.013	178		7.65	7.69					1							S
87668	12.777	0.259	9.954	0.033		2.372	0.215	T	3.46	0.98	K	8.9827	0.0050	0.144	116		8.80	9.31		U 2 C			1	S						G
87669	9.447	0.012	8.319	0.008		0.971	0.011	T	0.96	0.01	L	8.3666	0.0016	0.019	166		8.34	8.40					1							
87670	7.629	0.008	6.499	0.004		0.972	0.007	T	0.96	0.01	L	6.5510	0.0010	0.009	110		6.54	6.57					1							S
87671	6.164	0.008	6.110	0.009		0.055	0.011	T	0.07	0.01	L	6.1279	0.0013	0.008	52		6.12	6.14					1							S
87672	9.721	0.023	8.202	0.012		1.277	0.020	T	1.24	0.02	L	8.1837	0.0014	0.012	97		8.16	8.20					1							
87673	7.472	0.006	7.519	0.007		−0.038	0.008	T	−0.02	0.01	L	7.5127	0.0014	0.013	148		7.49	7.54		C			1							S
87674	11.191	0.113	9.342	0.035		1.580	0.015	G	1.55	0.01	J	9.2250	0.0022	0.017	52		9.20	9.28		C			1							
87675	8.475	0.013	6.732	0.006		1.453	0.011	T	1.46	0.02	L	6.7029	0.0012	0.011	73		6.68	6.72					1							S
87676	9.512	0.014	9.161	0.015		0.333	0.019	T	0.39	0.03	L	9.2289	0.0018	0.020	127		9.19	9.26		C			1							
87677	9.980	0.023	9.573	0.024		0.385	0.031	T	0.45	0.03	L	9.6178	0.0028	0.025	114		9.57	9.66					1							
87678	7.915	0.009	7.374	0.008		0.516	0.007	G	0.59	0.01	H	7.4276	0.0017	0.011	71		7.41	7.45					1							S
87679	9.497	0.025	8.632	0.020		0.758	0.025	T	0.80	0.02	L	8.6893	0.0020	0.015	78		8.66	8.72		C			1							
87680	9.178	0.014	8.593	0.013		0.546	0.017	T	0.62	0.02	L	8.6463	0.0014	0.014	112		8.62	8.68					1							S
87681	11.463	0.086	11.349	0.103		0.111	0.125	T	0.12	0.13	L	11.5350	0.0647	0.557	134		10.55	11.98	0.40	P 1 A			1							G
87682	8.804	0.008	8.589	0.009		0.205	0.011	T	0.23	0.01	L	8.6224	0.0015	0.019	228		8.59	8.65					1							
87683	9.091	0.014	7.910	0.009		1.012	0.013	T	0.99	0.01	L	7.9617	0.0012	0.011	104		7.94	7.99		C			1							
87684	10.649	0.092	10.379	0.113		0.270	0.020	G	0.30	0.03	H	10.2977	0.0057	0.028	52		10.26	10.34		C			1							G
87685	8.524	0.007	8.455	0.008		0.069	0.010	T	0.08	0.01	L	8.4667	0.0012	0.018	230		8.44	8.50					1							
87686	7.857	0.016	7.813	0.020		0.078	0.015	G	0.09	0.02	H	7.8401	0.0012	0.013	54		7.82	7.86					1							S
87687	8.777	0.011	8.259	0.010		0.508	0.015	G	0.58	0.02	H	8.3192	0.0015	0.015	119		8.29	8.35					1							S
87688	10.341	0.042	8.329	0.015		1.667	0.036	T	1.69	0.04	L	8.2445	0.0030	0.024	72		8.21	8.28		U			1							
87689	9.626	0.026	8.870	0.022		0.675	0.026	T	0.73	0.02	L	8.9221	0.0025	0.018	72		8.90	8.95		C			1							
87690	10.274	0.065	9.094	0.043		1.011	0.061	T	0.99	0.05	L	9.0282	0.0023	0.015	49		8.99	9.07		C			1	S						
87691	8.581	0.009	7.777	0.008		0.727	0.009	T	0.78	0.01	L	7.8226	0.0009	0.010	130		7.80	7.84					1							S
87692	7.644	0.006	7.725	0.008		−0.069	0.009	T	−0.05	0.01	L	7.7398	0.0024	0.026	128		7.70	7.78		U 2			1							S
87693	10.280	0.030	9.853	0.031		0.442	0.023	G	0.51	0.02	H	9.8658	0.0052	0.045	133		9.80	9.98		U 2			1 X	S						
87694	8.033	0.008	8.028	0.009		0.009	0.011	T	0.03	0.01	L	8.0473	0.0011	0.012	128		8.02	8.07					1							S
87695	7.335	0.005	7.299	0.006		0.033	0.007	T	0.05	0.01	L	7.3241	0.0011	0.011	94		7.31	7.34		C			1							S
87696	9.049	0.015	8.574	0.015		0.460	0.016	T	0.53	0.02	L	8.5997	0.0016	0.014	108		8.58	8.62					1							
87697	11.478	0.087	10.784	0.077		0.640	0.095	T	0.70	0.08	L	10.9934	0.0076	0.071	109		10.87	11.09		U			1							G
87698	6.996	0.011	6.981	0.013		0.019	0.016	T	0.04	0.01	L	6.9697	0.0020	0.009	52		6.95	6.98					1							S
87699	8.560	0.013	8.305	0.015		0.244	0.005	G	0.27	0.01	H	8.3412	0.0020	0.011	68		8.33	8.36		C			1							
87700	10.326	0.055	9.527	0.046	*	0.708	0.055	T	0.76	0.05	L	* 9.4538	0.0032	0.022	51	*	9.42	9.49		D	17548−3207	I 1	2 C	A	AB	229	1.073	0.022	1.39	0.13	G

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)											Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ $\alpha*$	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr													%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
87701	17 54 51.11	+12 40 38.6	8.23	H	268.712 978 96	+12.677 402 24		5.78	−18.09	−21.55	0.81	0.79	1.13	0.78	0.73	−17	−13	−11	−10	+50	− 1	+44	+27	−19	+ 2		0	−0.09
87702	17 54 51.29	−47 33 31.0	9.92	H	268.713 724 67	−47.558 624 42		5.18	8.67	−19.88	1.70	1.02	1.90	2.05	1.00	−14	−25	+22	+31	−41	−17	−36	−30	+12	−11		2	−0.74
87703	17 54 51.53	+69 13 19.1	8.38	H	268.714 725 89	+69.221 979 43		1.23	−6.52	−4.68	0.72	0.55	0.70	0.99	0.85	+16	+ 3	− 7	−21	− 3	−11	+ 0	−42	+ 9	+21		0	−0.75
87704	17 54 51.66	−63 16 32.9	7.82	H	268.715 267 03	−63.275 802 66		3.24	0.07	−51.97	0.64	0.61	0.96	0.87	0.66	+ 6	−12	+14	− 2	+ 9	+21	+ 3	−25	+21	+15		0	−2.37
87705	17 54 52.55	+25 38 40.1	8.77	H	268.718 962 61	+25.644 472 11		3.77	−3.27	−12.09	0.55	0.66	0.98	0.69	0.77	+ 0	−12	−14	+ 3	+ 7	−11	+ 6	+15	−16	+ 9		2	0.12
87706	17 54 54.04	−24 53 13.5	6.18	H	268.725 177 69	−24.887 088 59		−0.40	1.29	−2.65	0.79	0.41	0.85	0.77	0.43	+10	−53	− 4	+ 1	− 9	− 1	− 8	−41	+ 0	+ 6		0	1.95
87707	17 54 54.96	−73 28 29.0	8.21	H	268.729 003 70	−73.474 732 05		1.70	−4.08	−59.26	0.55	0.72	0.96	0.61	0.83	− 4	− 8	− 8	+ 3	−11	−10	−12	−10	−15	−15		0	0.21
87708 H	17 54 55.72	−11 37 54.9	6.96	G	268.732 156 70	−11.631 919 83	A	15.39	8.12	41.09	1.39	0.96	1.41	1.50	0.99	+11	−20	−27	−15	+20	−24	+ 6	−38	+26	−17		2	0.15
87709	17 54 57.46	−60 15 47.6	8.61	H	268.739 395 85	−60.263 233 14		2.81	−0.53	−4.55	0.80	0.64	1.03	0.91	0.67	+ 6	−15	+ 1	−23	− 8	+11	− 6	−34	+ 3	+25		0	0.69
87710	17 54 57.70	−07 44 01.7	6.92	H	268.740 435 89	−07.733 811 62		22.30	−54.52	−54.15	0.86	0.65	0.99	1.43	0.91	− 7	−11	−17	−17	+17	−33	+ 8	−46	+19	−16		0	0.84
87711	17 54 57.96	−43 09 22.4	7.55	H	268.741 504 87	−43.156 216 92		1.06	−7.43	−3.96	1.01	0.58	1.01	1.27	0.64	+ 0	−13	− 7	+49	−18	+16	−14	+32	+20	+14		0	0.02
87712	17 55 00.20	−22 58 52.0	8.46	H	268.750 838 66	−22.981 113 91		1.09	0.10	−7.87	1.07	0.61	1.18	1.21	0.60	+10	−29	−19	+ 9	+32	−19	+13	−53	+18	−11		0	0.04
87713	17 55 00.62	+40 26 54.6	8.16	H	268.752 566 63	+40.448 502 59		5.50	−3.30	3.10	0.59	0.59	0.69	0.62	0.63	+14	−13	−13	− 1	+ 3	−10	+ 3	+ 1	− 5	+10		0	−0.76
87714	17 55 01.58	−20 24 21.8	9.28	G	268.756 563 94	−20.406 067 92		2.94	2.42	−5.46	1.55	0.89	1.63	2.00	0.93	− 3	−27	−17	+ 4	+45	−19	+35	−47	+10	− 2		0	−0.52
87715	17 55 03.32	+10 35 31.9	9.59	H	268.763 820 49	+10.592 194 12		16.29	−6.77	201.16	1.09	0.92	1.46	1.11	0.86	+ 2	+ 7	−16	+ 4	+59	−11	+53	+43	−19	+ 8		0	0.33
87716	17 55 04.25	+58 44 45.7	9.00	H	268.767 695 67	+58.746 020 20		5.25	1.80	27.68	0.65	0.71	0.70	0.67	0.71	+11	−12	+ 7	+ 8	+19	+ 9	+18	+14	− 1	+18		3	1.28
87717	17 55 04.43	+21 36 36.3	8.22	H	268.768 440 01	+21.610 087 85		7.73	10.98	−36.87	0.69	0.70	1.04	0.86	0.87	− 3	−32	− 1	−12	+27	+19	+24	+18	− 3	+ 5		0	0.46
87718 H	17 55 06.13	−18 17 31.4	8.75	H	268.775 530 68	−18.292 053 46	A	3.39	1.12	−4.52	1.88	1.22	1.88	2.03	1.18	+44	−30	−37	+16	+13	−10	− 2	−30	+24	+27		2	−0.23
87719	17 55 06.61	−27 32 31.1	9.05	H	268.777 553 08	−27.541 981 74		4.83	−12.78	−29.80	1.48	0.84	1.64	1.71	0.93	+ 3	−46	−25	+14	+24	−15	+ 2	−40	+22	−26		0	0.64
87720	17 55 06.90	−09 51 18.1	9.80	H	268.778 744 04	−09.855 034 77		2.79	−3.55	−5.85	1.54	1.00	1.67	1.41	1.05	+29	−46	−22	− 7	−13	− 1	−15	−30	− 3	+ 2		5	0.63
87721	17 55 07.94	+41 27 57.6	8.21	H	268.783 077 17	+41.466 000 37		14.30	−29.17	−176.86	0.57	0.59	0.68	0.59	0.69	− 2	−11	− 5	+ 2	+ 8	−16	+ 8	+17	− 9	+ 3		0	0.57
87722	17 55 08.03	−36 28 32.3	6.05	H	268.783 454 35	−36.475 632 76		4.36	2.88	−5.22	0.77	0.53	0.85	0.97	0.60	−10	−20	−11	+22	−13	− 7	−14	+22	+ 7	−20		3	−1.04
87723	17 55 08.05	−48 09 29.7	8.98	H	268.783 526 25	−48.158 258 29		3.59	9.49	−15.09	1.02	0.65	1.17	1.24	0.65	−36	−22	+19	+39	−40	+ 7	−30	−15	+ 8	−15		0	−0.64
87724	17 55 08.35	+24 13 54.6	8.44	H	268.784 774 64	+24.231 824 08		4.57	−5.21	−6.03	0.45	0.65	0.92	0.56	0.77	+12	−12	− 6	+25	+ 9	+ 3	+ 8	+19	+ 3	+13		0	0.47
87725	17 55 08.76	−29 48 41.1	8.36	G	268.786 480 14	−29.811 422 64		3.32	−0.39	6.26	1.17	0.87	1.23	1.70	1.34	− 5	−29	−12	+25	−11	+ 0	−15	+25	+17	−22		0	−0.93
87726	17 55 09.52	−54 20 14.2	9.20	H	268.789 664 64	−54.337 271 17		11.71	47.24	−8.58	1.25	0.82	1.45	1.55	0.89	−24	−27	− 2	+17	−32	+15	−30	+ 2	+16	−13		2	0.90
87727	17 55 09.76	−07 28 19.3	8.86	H	268.790 666 35	−07.472 036 41		4.57	−6.00	−4.83	1.14	1.04	1.63	1.63	1.16	+18	−33	−59	− 6	+31	−38	− 7	−61	+41	−26		0	2.92
87728	17 55 11.14	+72 00 18.5	5.43	H	268.796 407 65	+72.005 133 88		4.51	8.03	−2.92	0.47	0.51	0.51	0.47	0.66	−13	−30	+10	−12	+17	− 5	+26	−38	−18	− 3		1	0.24
87729	17 55 11.37	−12 04 07.4	9.46	H	268.797 394 55	−12.068 717 71		7.69	7.36	−0.90	1.49	0.84	1.60	1.69	0.91	+21	−38	−29	+34	+24	−14	+ 1	−20	+22	−13		0	0.15
87730	17 55 11.93	+69 36 56.2	6.86	H	268.799 726 37	+69.615 622 28		4.44	16.35	−24.69	0.58	0.57	0.61	0.75	0.68	+36	−26	−17	−36	−27	+18	−20	−47	+11	+37		1	1.35
87731	17 55 13.02	−39 34 03.0	9.09	G	268.804 237 22	−39.567 496 34		10.00	−43.93	−53.65	1.32	0.94	1.48	1.93	1.13	− 9	−15	− 6	+25	−22	−13	−22	+46	−15	+26		0	1.82
87732	17 55 15.46	+15 16 50.3	7.91	H	268.814 423 86	+15.280 645 77		9.42	33.94	−100.10	0.65	0.66	0.93	0.77	0.82	+ 1	−16	−15	− 4	+22	+ 2	+30	+32	− 8	−17		0	1.74
87733	17 55 15.90	−30 36 03.7	8.32	H	268.816 265 87	−30.601 024 75		5.12	−1.60	−3.68	1.30	1.00	1.49	1.86	1.35	+17	−26	−41	+28	+11	−19	+ 6	+27	− 6	− 5		0	−0.59
87734	17 55 16.08	+44 00 04.0	8.18	H	268.816 987 97	+44.001 109 28		7.05	19.74	−28.77	0.64	0.60	0.70	0.66	0.63	+ 0	− 9	−13	−21	+ 8	−12	+ 7	+ 0	− 5	− 1		1	−0.26
87735	17 55 16.88	+05 42 15.4	7.24	1 H	268.820 339 41	+05.704 291 60		1.92	−9.84	−22.63	0.80	0.68	0.96	0.85	0.72	+33	−39	−28	−17	−18	+28	−11	−32	+13	+43		0	−1.71
87736	17 55 17.23	+68 30 08.4	8.98	H	268.821 801 81	+68.502 331 82		2.54	−11.06	4.37	0.80	0.63	0.82	0.99	0.92	+19	−14	− 2	−20	−13	−15	−13	−34	− 6	+15		0	−0.36
87737	17 55 20.16	+19 27 27.2	8.04	H	268.833 996 00	+19.457 568 23		2.29	5.94	−16.37	0.75	0.72	0.98	0.80	0.76	+26	−31	−14	+35	+52	−10	+48	+15	+ 0	+21		0	0.56
87738	17 55 20.97	+00 40 01.3	8.30	G	268.837 380 75	+00.667 028 41		14.01	−11.10	−10.32	1.10	0.74	1.17	1.22	0.85	+19	−36	−26	−32	− 4	+12	− 4	−24	+ 7	+28		0	−0.17
87739	17 55 21.75	−49 34 10.3	9.95	G	268.840 636 38	−49.569 534 89		9.14	25.01	−17.81	1.42	0.97	1.95	1.85	1.15	− 9	−30	−12	− 3	−42	+32	−39	−30	+35	+13		2	−0.17
87740	17 55 22.64	+08 54 02.9	8.79	H	268.844 329 17	+08.900 801 77		1.96	0.52	1.23	1.09	0.94	1.45	1.27	0.96	−53	+33	−33	−39	+38	−43	+24	−27	− 6	−11		0	−0.73
87741	17 55 23.07	+09 48 03.6	8.27	H	268.846 119 63	+09.801 006 68		0.97	1.14	−7.52	0.76	0.65	0.99	0.87	0.67	−23	− 6	+ 6	−12	+41	− 7	+36	+17	−22	−13		0	0.19
87742	17 55 23.07	−85 49 47.6	8.36	H	268.846 138 95	−85.829 895 60		3.24	5.86	−18.19	0.61	0.67	0.77	0.64	0.82	− 1	− 2	−11	−13	− 3	−13	− 3	+25	− 5	− 7		1	0.79
87743	17 55 23.39	+38 37 28.4	8.34	H	268.847 473 62	+38.624 551 58		6.27	2.48	37.95	0.61	0.59	0.72	0.68	0.74	+ 6	− 5	− 7	− 1	+ 4	−17	+ 3	+ 4	+ 0	+ 1		0	−0.52
87744	17 55 23.62	+55 58 15.9	6.09	H	268.848 406 78	+55.971 091 32		17.75	35.70	124.46	0.51	0.46	0.51	0.57	0.56	− 5	+ 4	+ 1	− 2	+13	−15	+14	+12	−10	− 2		2	1.98
*87745	17 55 24.83	+03 45 16.0	10.12	H	268.853 444 54	+03.754 443 48		38.01	−78.42	27.44	1.74	1.48	1.92	2.26	2.00	+31	−33	−20	−14	−35	+ 6	−27	−24	−10	+38		0	0.95
*87746	17 55 24.78	+36 11 20.1	7.92	2 H	268.853 243 58	+36.188 919 38		32.37	−135.97	−20.28	0.58	0.56	0.70	0.67	0.64	+ 8	−12	− 7	+29	+ 6	−19	+ 8	+ 5	− 3	+17		0	1.12
*87747	17 55 25.19	+26 02 59.9	5.47	2 T	268.854 942 07	+26.049 978 48		1.02	4.39	4.97	0.36	0.40	0.59	0.45	0.45	+ 8	−15	− 5	+ 8	+11	−15	+10	+14	−11	+18		2	0.41
*87748 H	17 55 25.09	+39 29 53.6	8.90	H	268.854 533 14	+39.498 221 47	A	9.49	−7.05	−6.42	1.42	1.42	1.50	1.43	1.37	+ 7	+ 9	− 4	+ 9	+ 6	− 6	+ 6	+15	+ 8	+13		4	0.56
87749	17 55 25.37	+32 26 18.0	7.44	H	268.855 703 21	+32.438 343 95		2.64	−4.56	6.46	0.47	0.50	0.64	0.53	0.54	+ 9	−14	− 9	+ 1	+14	−18	+12	+ 6	− 3	+11		0	1.75
87750	17 55 25.64	+25 14 40.3	8.14	H	268.856 835 94	+25.244 532 54		1.71	−3.86	−25.60	0.53	0.63	0.97	0.68	0.72	+ 2	+ 4	−17	− 6	+11	−25	+ 6	+ 4	− 3	+ 9		3	0.60
87751	17 55 27.55	−62 59 31.7	10.17	H	268.864 775 79	−62.992 130 83	B	9.39	−14.54	−15.46	28.94	29.84	9.18	22.33	27.18	+25	−19	− 5	− 3	+ 0	+19	− 1	−22	+16	+35		2	2.57
87752	17 55 27.84	+08 33 35.4	8.30	H	268.866 008 28	+08.559 823 02		12.55	14.52	−70.98	0.88	0.76	1.19	1.02	0.86	−31	+ 1	−21	−21	+43	−35	+38	− 7	− 4	− 2		0	−0.97
87753 H	17 55 29.92	−56 17 54.5	8.70	H	268.874 664 81	−56.298 466 05	A	2.03	7.42	1.31	1.76	1.27	1.86	2.21	1.25	−16	−18	−13	+14	−21	−27	−20	− 2	+13	−30		1	0.17
87754	17 55 30.76	−62 59 27.5	8.89	H	268.878 166 77	−62.990 978 62	A	11.35	11.01	14.95	2.22	2.15	2.43	2.52	2.40	+25	−21	−17	−10	− 5	+22	− 4	−18	+15	+29		2	2.57
87755	17 55 30.94	−41 24 01.9	10.73	G	268.878 921 24	−41.400 515 84		15.88	35.62	−191.00	2.38	1.63	2.54	2.81	1.67	− 1	−25	−16	+24	−43	− 8	−33	+36	−18	− 5		0	−0.88
87756	17 55 33.43	−30 40 59.9	8.90	1 G	268.889 279 12	−30.683 310 41		2.01	−0.43	−0.79	1.39	0.98	1.48	1.98	1.43	+15	−38	−27	+30	+ 9	−18	+ 7	+31	− 5	− 9		0	0.17
87757	17 55 34.59	−05 03 25.1	9.08	H	268.894 131 33	−05.056 972 19		5.29	−9.61	−16.35	1.19	0.86	1.31	1.36	0.99	− 3	−23	+ 9	+10	+ 9	+ 7	+ 8	−20	−10	− 8		2	1.77
87758	17 55 34.84	−71 59 36.1	8.89	H	268.895 172 49	−71.993 350 23		1.16	−5.19	−5.37	0.58	0.82	1.16	0.63	0.97	− 5	−10	+ 4	+15	−12	−14	−13	− 8	− 6	− 8		2	0.36
87759 H	17 55 36.15	+25 07 54.4	8.10	G	268.900 604 61	+25.131 774 17	A	2.03	−2.74	−6.15	1.40	1.32	1.40	1.13	1.05	− 7	+ 1	− 5	− 4	+ 3	−21	+ 3	+14	−11	+ 5		1	0.38
87760	17 55 36.93	−29 58 39.3	8.28	H	268.903 861 00	−29.977 574 01		6.68	−10.54	−10.02	1.10	0.82	1.19	1.63	1.28	− 7	−26	−14	+10	− 4	−11	− 9	+ 5	+15	− 3		3	−0.90
87761 H	17 55 37.51	+02 04 29.7	6.77	H	268.906 279 29	+02.074 923 14	*	5.07	7.58	4.46	0.73	0.56	0.87	0.87	0.67	+ 6	−28	+ 2	+ 7	+24	+31	+22	+ 5	+12	+27		0	1.12
87762	17 55 40.41	+23 53 05.4	8.28	H	268.918 386 83	+23.884 823 78		2.59	−12.88	9.08	0.41	0.67	0.91	0.49	0.75	+ 6	−16	−19	+15	+ 9	+ 1	+ 8	+13	+ 0	+ 4		0	−0.31
87763	17 55 40.80	−77 33 29.3	8.53	H	268.919 986 79	−77.558 145 21		14.91	11.79	−5.38	0.53	0.71	0.83	0.54	0.75	− 3	−19	− 4	− 8	− 2	+ 2	+ 3	+10	−14	−18		0	−1.10
87764	17 55 41.66	+55 41 01.5	9.07	1 H	268.923 591 03	+55.683 738 12		12.01	−12.19	27.78	0.91	0.85	0.98	1.08	1.08	+ 8	+23	+16	+10	+13	− 3	+ 7	+ 4	−25	+ 0		0	0.76
87765	17 55 42.15	−55 43 00.2	9.17	H	268.925 642 08	−55.716 728 14		−0.20	11.31	−11.40	1.23	0.89	1.47	1.67	0.97	−11	−17	− 9	+10	−27	−22	−26	+10	+13	−33		0	1.36
87766	17 55 43.00	+61 23 45.2	7.36	H	268.929 187 20	+61.395 889 77		6.79	−6.20	23.39	0.58	0.50	0.56	0.67	0.57	+12	−14	+ 4	+ 5	+14	+ 4	+15	+24	−13	+14		0	1.06
87767	17 55 44.20	−44 55 48.1	7.82	H	268.934 147 34	−44.930 030 59		6.01	−0.91	−27.23	0.98	0.57	1.16	1.09	0.55	−13	−33	−11	+39	−19	−22	−26	− 1	+14	−30		0	−0.25
87768	17 55 44.93	+18 30 01.8	9.22	2 G	268.937 194 40	+18.500 500 11	A	43.40	−45.94	−47.79	1.64	1.67	2.21	1.74	1.69	+43	−37	−13	+27	+50	− 9	+52	+31	−24	+18		1	0.95
87769	17 55 45.34	+11 48 14.4	8.43	H	268.938 921 98	+11.804 001 89		17.80	2.09	−33.19	0.83	0.75	1.06	0.82	0.67	−30	−14	+13	− 3	+37	+ 2	+31	+36	− 8	−23		1	0.46
87770	17 55 46.95	−46 47 26.2	10.02	H	268.945 621 65	−46.790 605 10		6.65	−7.58	−61.97	2.01	1.11	2.15	2.19	1.16	+14	−43	− 3	+16	−45	−11	−52	−40	+34	+ 1		0	2.67
87771	17 55 49.11	−39 20 48.8	7.92	H	268.954 628 92	−39.346 899 50		1.46	13.98	−2.19	1.15	0.87	1.37	1.54	1.04	−23	−16	−21	+37	−25	−21	−26	+59	−37	+19		5	0.90
87772	17 55 49.61	−71 53 47.4	8.04	H	268.956 690 61	−71.896 497 39		3.87	8.05	31.14	0.47	0.70	0.99	0.51	0.89	− 4	− 4	+ 2	+ 4	− 8	−10	− 9	−11	+ 1	− 8		2	−1.20
87773	17 55 50.03	+33 25 16.4	10.16	G	268.958 450 88	+33.421 208 36		39.56	10.19	−235.06	1.55	1.71	2.14	1.69	1.89	+ 7	−25	− 8	+ 8	+ 6	−20	+ 7	+ 2	− 9	+ 7		0	
87774	17 55 50.08	−23 07 48.6	9.58	H	268.958 673 79	−23.130 161 25		−0.19	3.94	−7.99	1.47	0.87	1.62	1.73	0.89	+10	−27	−13	+ 2	+20	−13	+ 6	−54	+14	− 6		0	0.60
87775 H	17 55 50.44	−52 02 53.8	8.86	H	268.960 162 47	−52.048 266 89	A	5.55	14.89	−69.73	2.03	1.30	2.08	2.17	1.34	−16	−33	+ 4	− 3	−27	+ 5	−25	− 9	+14	−25		1	0.34
87776	17 55 50.62	−37 09 09.5	9.46	H	268.960 901 89	−37.152 644 73		4.56	−8.21	−5.12	1.52	1.13	1.56	2.22	1.31	−16	−11	−21	+48	−21	+17	−17	+59	+ 4	+13		0	1.19
87777	17 55 50.81	+22 27 51.2	5.62	H	268.961 715 91	+22.464 221 13		6.67	−2.11	−0.17	0.36	0.43	0.63	0.46	0.55	+13	−17	−18	+14	+ 1	+ 2	+ 3	+15	−10	+15		0	0.23
87778	17 55 51.30	−70 31 52.3	8.53	H	268.963 740 15	−70.531 206 06	A	5.85	−1.59	−11.79	1.14	1.78	2.01	1.06	1.85	+ 4	−14	− 7	+ 9	−12	− 3	−11	+ 1	−19	− 6		1	−0.30
87779	17 55 53.02	−02 46 21.3	9.10	H	268.970 904 98	−02.772 583 41		5.81	−8.53	−16.73	1.12	0.80	1.23	1.17	0.89	+19	−30	−18	+13	− 5	+16	+ 3	− 4	−15	+14		0	0.69
87780	17 55 53.23	−87 14 25.0	7.96	H	268.971 810 36	−87.240 265 37		2.98	6.46	−11.94	0.60	0.63	0.73	0.71	0.76	+ 4	− 5	−12	+ 3	+ 3	+ 0	+ 3	+15	− 2	+ 4		3	1.64
87781	17 55 54.63	−73 46 26.1	8.62	H	268.977 606 64	−73.773 924 37		3.60	−3.54	18.30	0.63	0.91	1.17	0.66	1.01	− 1	− 5	−11	−13	−10	−16	−15	−22	−10	−23		2	1.18
87782	17 55 54.96	−18 48 07.6	6.48	H	268.979 006 84	−18.802 105 17		8.99	13.03	−20.23	0.75	0.46	0.83	0.87	0.50	− 7	−22	+ 2	+ 1	+ 5	−12	+ 6	−30	+ 0	− 2		0	1.47
87783	17 55 55.00	−72 41 26.4	9.64	H	268.979 182 35	−72.690 676 47		12.83	7.38	−191.38	0.75	1.15	1.48	0.81	1.36	−12	−13	+ 9	+ 9	−11	−16	− 9	− 4	−11	−10		1	3.77
87784	17 55 55.08	−70 31 37.4	10.97	H	268.979 510 45	−70.527 048 94	B	31.55	5.06	−29.12	15.44	27.44	18.42	8.68	16.68	+ 3	−16	− 8	+ 6	−10	− 3	− 9	− 7	−13	− 8		1	−0.30
87785	17 55 56.19	−34 17 11.8	7.96	H	268.984 108 35	−34.286 613 57		3.20	1.53	−3.87	0.94	0.69	1.00	1.21	0.85	− 2	−19	− 6	+14	− 7	− 9	− 9	− 1	+ 1	−19		0	−1.85
87786	17 55 56.60	+03 44 21.5	8.16	H	268.985 836 22	+03.739 306 27		1.47	0.70	−8.10	1.02	0.85	1.19	1.34	1.15	+21	−24	− 3	−17	−28	− 1	−17	−37	−19	+44		0	−2.69
87787	17 55 58.03	−68 30 55.2	10.45	G	268.991 806 55	−68.515 334 42		−1.06	2.74	−18.99	1.21	1.30	2.02	1.77	1.59	+12	− 9	− 2	+44	−38	− 2	−29	− 7	− 9	+17		0	1.67
87788	17 55 58.46	−16 24 27.3	11.30	G	268.993 576 84	−16.407 569 53		13.47	10.69	−632.25	8.18	5.30	9.52	8.79	5.69	+ 7	−29	−28	−12	+14	−26	− 1	−46	+23	−12		0	
87789	17 55 59.22	−48 56 21.8	7.15	H	268.996 759 32	−48.939 401 36		2.45	8.09	−0.39	0.80	0.54	0.98	0.98	0.59	−28	−23	− 9	+24	−47	+24	−41	−11	+22	−11		0	0.19
87790	17 56 01.18	+05 09 41.3	7.39	H	269.004 920 30	+05.161 476 46		2.09	0.36	−6.68	0.83	0.73	1.08	1.10	0.91	+34	−33	−42	−17	−14	+32	− 5	−22	+20	+49		0	−0.26
87791	17 56 01.27	−33 37 40.9	8.79	G	269.005 298 90	−33.628 023 66		7.01	−5.24	−28.26	1.25	0.88	1.27	1.68	1.15	+ 7	−27	−22	+13	−28	− 1	−29	+ 3	+ 3	−15		0	−0.99
87792	17 56 02.40	+13 40 57.1	8.80	H	269.010 013 96	+13.682 533 66		1.17	4.41	4.43	0.73	0.70	1.26	0.92	0.80	+26	−22	− 9	+17	+29	+22	+35	+34	−23	− 5		0	1.09
87793	17 56 04.39	−53 34 56.8	9.49	H	269.018 287 51	−53.582 454 11		8.00	55.78	−35.38	1.24	0.88	1.48	1.50	0.92	−26	−15	+ 5	+26	−25	+ 6	−24	− 2	+ 4	−27		4	−0.33
87794	17 56 04.45	−42 19 23.7	6.78	H	269.018 532 40	−42.323 238 99		4.19	5.21	−36.34	0.78	0.45	0.82	1.01	0.46	+ 4	−16	+ 0	+22	−37	−16	−33	− 8	+11	− 1		0	−0.52
87795	17 56 06.45	−67 15 02.5	7.76	H	269.026 887 63	−67.250 686 04		5.27	−6.02	−37.77	0.50	0.63	0.98	0.66	0.79	+ 3	−14	+ 9	+12	−11	+12	− 7	−10	+ 1	+26		0	−0.25
87796	17 56 06.57	+01 25 49.4	9.50	H	269.027 363 78	+01.430 388 40		3.17	2.89	−25.61	1.29	0.97	1.61	1.79	1.22	+14	−11	− 7	+13	+10	+44	+16	+ 3	+17	+37		3	1.33
87797	17 56 07.40	−01 24 36.1	7.85	2 H	269.030 833 97	−01.410 018 48		1.46	3.84	−0.83

No.	Tycho Magnitudes					Colour Indices					Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
87701	9.641	0.021	8.347	0.013		1.100	0.019	T	1.06	0.02	L	8.4005	0.0013	0.009	95		8.37	8.43					1							
87702	10.834	0.042	9.985	0.032		0.762	0.040	T	0.80	0.03	L	10.0745	0.0027	0.025	127		10.02	10.12					1 S							G
87703	10.035	0.027	8.533	0.014		1.263	0.024	T	1.22	0.03	L	8.5392	0.0016	0.013	90		8.52	8.56		C			1							
87704	9.160	0.012	7.943	0.007		1.040	0.011	T	1.01	0.01	L	7.9849	0.0012	0.012	135		7.96	8.01					1							
87705	8.967	0.010	8.786	0.012		0.150	0.015	G	0.17	0.01	H	8.8222	0.0016	0.020	183		8.79	8.86					1							
87706	6.194	0.003	6.198	0.004		0.001	0.005	T	0.02	0.01	L	6.1920	0.0010	0.010	100		6.18	6.21					1							S
87707	9.855	0.018	8.347	0.010		1.268	0.016	T	1.23	0.02	L	8.3713	0.0014	0.019	175		8.34	8.40					1							
87708	7.443	0.007	7.024	0.005	A	0.420	0.015	G	0.46	0.01	L *	7.0513	0.0011	0.007	68	*	7.04	7.06		C	17550−1138	I 1	2 C C	AB	144	3.214	0.053	3.98	0.10	S
87709	8.620	0.012	8.610	0.015		0.014	0.018	T	0.03	0.02	L	8.6277	0.0013	0.015	114		8.60	8.66					1							
87710	7.883	0.010	7.000	0.008		0.759	0.015	G	0.76	0.02	A	7.0655	0.0014	0.009	52		7.05	7.08		C			1							S
87711	9.262	0.020	7.700	0.011		1.311	0.018	T	1.27	0.02	L	7.7071	0.0013	0.011	74		7.69	7.73		C			1							
87712	8.838	0.011	8.491	0.011		0.329	0.015	T	0.38	0.02	L	8.5459	0.0017	0.016	122		8.52	8.57					1							
87713	8.428	0.008	8.180	0.009		0.236	0.011	T	0.26	0.01	L	8.2302	0.0013	0.013	110		8.21	8.26					1							
87714	10.273	0.036	9.422	0.028		0.918	0.015	G	0.92	0.01	H	9.4120	0.0023	0.017	80		9.39	9.45		C			1							G
87715	10.397	0.031	9.698	0.027		0.632	0.031	T	0.70	0.03	L	9.7200	0.0023	0.020	129		9.69	9.75		C			1							
87716	9.328	0.014	9.015	0.015		0.297	0.019	T	0.34	0.03	L	9.0781	0.0023	0.021	123		9.04	9.11					1							
87717	8.878	0.010	8.281	0.009		0.557	0.012	T	0.63	0.01	L	8.3359	0.0016	0.020	135		8.30	8.37					1							S
87718	10.304	0.037	8.975	0.020	A	1.200	0.495	G	1.01	0.03	L *	8.9143	0.0027	0.018	84	*	8.88	8.94		D	17551−1818	I 1	2 C A	AB	67	7.629	0.020	2.39	0.07	
87719	10.717	0.077	9.213	0.036		1.250	0.050	G	1.21	0.05	H	9.2085	0.0021	0.019	80		9.18	9.25					1							G
87720	10.541	0.040	9.877	0.035		0.615	0.045	T	0.68	0.04	L	9.9345	0.0030	0.024	64		9.89	9.99					1							G
87721	8.863	0.011	8.268	0.010		0.555	0.013	T	0.63	0.01	L	8.3271	0.0011	0.013	130		8.30	8.36		C			1							
87722	6.137	0.004	6.062	0.006		0.074	0.007	T	0.09	0.01	L	6.0835	0.0008	0.007	58		6.07	6.09		C			1							S
87723	9.486	0.017	9.010	0.017		0.448	0.022	T	0.52	0.02	L	9.0756	0.0014	0.015	138		9.05	9.11		C			1							
87724	8.485	0.007	8.436	0.008		0.050	0.010	T	0.06	0.01	L	8.4576	0.0012	0.019	232		8.43	8.49					1							
87725	9.000	0.030	8.449	0.029		0.539	0.020	G	0.61	0.02	H	8.4730	0.0024	0.011	47		8.45	8.49		C			1							
87726	9.877	0.024	9.268	0.022		0.566	0.024	T	0.64	0.02	L	9.3220	0.0021	0.016	82		9.30	9.36		C			1							
87727	9.169	0.019	8.902	0.022		0.285	0.020	G	0.32	0.03	H	8.9330	0.0017	0.012	55		8.90	8.95		D			1 S							
87728	5.815	0.003	5.456	0.003		0.340	0.004	T	0.40	0.01	L	5.5071	0.0010	0.007	106		5.50	5.52					1							S
87729	10.000	0.026	9.495	0.026		0.426	0.020	G	0.49	0.02	H	9.5581	0.0029	0.017	64		9.51	9.59		C			1							G
87730	8.002	0.008	6.970	0.007		0.898	0.008	T	0.90	0.01	L	7.0237	0.0008	0.008	100		7.01	7.04					1 G							S
87731	9.749	0.027	9.197	0.026		0.489	0.002	G	0.56	0.00	H	9.2178	0.0026	0.020	73		9.19	9.25		C			1							
87732	8.621	0.010	7.976	0.009		0.599	0.012	T	0.67	0.01	L	8.0333	0.0013	0.011	104		8.02	8.05		C			1							S
87733	10.555	0.086	8.603	0.030		1.619	0.072	T	1.64	0.07	L	8.4275	0.0032	0.017	43		8.40	8.46		C			1							
87734	8.778	0.010	8.235	0.010		0.531	0.015	G	0.60	0.02	H	8.2956	0.0012	0.014	116		8.27	8.32					1							S
87735	9.447	0.024	7.441	0.010		1.662	0.021	T	1.69	0.02	L	7.3449	0.0020	0.011	51		7.32	7.36		M			1							S
87736	10.363	0.034	9.125	0.021		1.057	0.031	T	1.02	0.03	L	9.1433	0.0016	0.018	92		9.11	9.17		C			1							
87737	9.361	0.016	8.168	0.011		1.022	0.015	T	1.00	0.01	L	8.2087	0.0015	0.014	128		8.19	8.24					1							
87738	8.939	0.017	8.362	0.016		0.529	0.015	G	0.60	0.02	H	8.4185	0.0019	0.014	60		8.39	8.44					1							
87739	10.653	0.039	10.069	0.038		0.606	0.020	G	0.68	0.02	H	10.1024	0.0025	0.028	110		10.06	10.14		C			1							G
87740	9.125	0.017	8.797	0.018		0.311	0.023	T	0.36	0.03	L	8.8653	0.0012	0.018	79		8.84	8.90		D			1							
87741	8.247	0.010	8.270	0.013		−0.016	0.015	T	0.01	0.01	L	8.2700	0.0015	0.013	96		8.25	8.29					1							
87742	9.585	0.015	8.478	0.010		0.955	0.014	T	0.94	0.01	L	8.5210	0.0012	0.015	134		8.48	8.55		D			1							
87743	8.845	0.013	8.417	0.013		0.404	0.017	T	0.47	0.02	L	8.4352	0.0016	0.013	116		8.41	8.46		C			1							S
87744	6.470	0.004	6.131	0.003		0.316	0.005	G	0.36	0.01	H	6.1706	0.0007	0.007	103		6.16	6.18					1							S
87745	12.059	0.198	10.273	0.057		1.460	0.040	G	1.56	0.01	A	10.2398	0.0035	0.024	65		10.20	10.29		C			1							G
87746	9.019	0.012	8.023	0.009		0.859	0.012	T	0.87	0.01	L	8.0639	0.0045	0.035	122		8.01	8.12		U 2 C			1							S
87747	5.891	0.008	5.508	0.005		0.341	0.015	G	0.41	0.03	C	5.5550	0.0084	0.068	177		5.47	5.64	63.81	P 1 A			1							S
87748	9.396	0.020	8.829	0.019	*	0.530	0.025	T	0.60	0.03	L *	9.0126	0.0019	0.020	128	*	8.98	9.05		D	17554+3930	I 1	2 C A	AB	100	5.569	0.004	0.70	0.02	
87749	7.463	0.006	7.437	0.007		0.029	0.009	T	0.05	0.01	L	7.4527	0.0009	0.011	140		7.43	7.48					1							S
87750	9.525	0.014	8.265	0.009		1.074	0.013	T	1.04	0.01	L	8.3093	0.0013	0.016	193		8.28	8.34		C			1							S
87751	11.899	0.119	10.274	0.045	B	1.360	0.100	T	1.33	0.12	L	10.4807	0.0633			B				D	17555−6259	I 2	1 C I A							
87752	8.931	0.014	8.354	0.013		0.536	0.015	G	0.61	0.02	H	8.4181	0.0020	0.012	86		8.39	8.45		C			1							
87753	10.187	0.027	8.880	0.016	A	1.100	0.495	G	1.04	0.06	L *	8.8645	0.0019	0.018	89	*	8.84	8.90		D	17555−5618	I 1	2 C B	AB	148	1.680	0.036	3.27	0.20	
87754	9.508	0.017	8.909	0.015	A	0.558	0.017	T	0.63	0.02	L	9.0099	0.0210	0.052	132	A	8.86	9.07		D	17555−6259	I 2	1 C P A							
87755	11.987	0.224	10.699	0.113		1.033	0.020	G	1.08	0.02	I	10.8412	0.0055	0.038	68		10.78	10.90					1							G
87756	8.945	0.029	8.932	0.041		0.134	0.015	G	0.15	0.01	H	8.9089	0.0022	0.017	41		8.87	8.94		U			1							
87757	9.779	0.029	9.160	0.027		0.576	0.035	T	0.65	0.03	L	9.2090	0.0035	0.029	50		9.16	9.25		R	17556−0503	I 1	1							
87758	8.875	0.009	8.888	0.011		−0.010	0.012	T	0.01	0.01	L	8.8925	0.0021	0.023	214		8.85	8.93					1							
87759	8.334	0.007	8.109	0.008	*	0.236	0.015	G	0.26	0.02	H *	8.1419	0.0015	0.018	201	*	8.11	8.17		D	17556+2508	I 1	2 C A	AB	95	0.358	0.003	1.03	0.03	S
87760	8.627	0.023	8.321	0.026		0.279	0.015	G	0.32	0.02	H	8.3556	0.0019	0.012	50		8.33	8.37					1 S							
87761	7.462	0.008	6.846	0.007	*	0.574	0.010	T	0.65	0.01	L *	6.8914	0.0009	0.008	68	*	6.88	6.91		D	17556+0204	H 1	2 C S A	AB	205	0.127	0.008	0.50	0.39	S
87762	9.581	0.011	8.398	0.007		1.014	0.010	T	0.99	0.01	L	8.4499	0.0014	0.019	289		8.42	8.48					1							
87763	9.143	0.012	8.590	0.011		0.524	0.012	T	0.60	0.01	L	8.6458	0.0019	0.019	154		8.62	8.69		C			1							
87764	9.744	0.021	9.137	0.019		0.566	0.025	T	0.64	0.02	L	9.1828	0.0028	0.029	89		9.14	9.24		U			1							
87765	10.665	0.040	9.332	0.022		1.131	0.036	T	1.09	0.04	L	9.3385	0.0031	0.022	88		9.30	9.38					1 S							
87766	7.574	0.009	7.372	0.009		0.193	0.012	T	0.21	0.01	L	7.4183	0.0010	0.008	85		7.41	7.43					1							S
87767	9.113	0.013	7.939	0.009		1.007	0.012	T	0.98	0.01	L	7.9858	0.0015	0.015	111		7.96	8.01		C			1							
87768	10.631	0.032	9.342	0.018	A	1.180	0.015	G	1.14	0.01	I	9.2990	0.0243	0.036	150	A	9.24	9.35		U	17557+1830	H 1	2 C D	AB	47	18.788	0.088	3.00	0.35	D
87769	9.257	0.014	8.507	0.011		0.685	0.014	T	0.74	0.01	L	8.5712	0.0014	0.014	148		8.54	8.60					1							
87770	11.026	0.050	10.164	0.038		0.771	0.047	T	0.81	0.03	L	10.1673	0.0036	0.032	125		10.10	10.22					1							G
87771	9.356	0.020	8.060	0.012		1.102	0.018	T	1.06	0.02	L	8.0905	0.0018	0.012	79		8.07	8.11		C			1							
87772	9.377	0.012	8.164	0.007		1.037	0.011	T	1.01	0.01	L	8.2050	0.0013	0.016	213		8.18	8.23		C			1							
87773	11.886	0.089	10.392	0.038		1.185	0.020	G	1.80	0.03	A	10.2552	0.0033	0.039	138		10.18	10.31		R			1 X							G
87774	10.106	0.029	9.649	0.031		0.631	0.003	G	0.70	0.00	H	9.7132	0.0028	0.023	114		9.67	9.75		C			1 S							G
87775	10.325	0.028	9.156	0.018	A	1.000	0.495	G	1.03	0.06	L *	9.0230	0.0021	0.018	105	*	8.99	9.05		D	17558−5203	I 1	2 C A	AB	24	1.732	0.009	2.04	0.04	
87776	10.090	0.042	9.606	0.045		0.468	0.047	T	0.54	0.05	L	9.5663	0.0028	0.020	69		9.53	9.61		C			1							G
87777	7.240	0.005	5.756	0.003		1.249	0.005	T	1.21	0.01	L	5.7835	0.0007	0.007	155		5.77	5.79					1							S
87778	9.713	0.012	8.622	0.008	A	0.943	0.011	T	0.93	0.01	L	8.6913	0.0138	0.024	270	A	8.64	8.73		D	17559−7032	I 2	1 C P D							D
87779	9.371	0.019	9.120	0.022		0.239	0.027	T	0.27	0.03	L	9.1731	0.0026	0.027	65		9.13	9.23		C			1							
87780	10.026	0.021	8.137	0.009		1.569	0.018	T	1.59	0.02	L	8.0736	0.0011	0.012	124		8.05	8.10					1							
87781	9.916	0.018	8.761	0.012		0.992	0.017	T	0.97	0.01	L	8.7883	0.0019	0.022	172		8.75	8.83					1 S							
87782	6.549	0.004	6.484	0.005		0.056	0.004	G	0.07	0.00	H	6.5016	0.0011	0.008	91		6.49	6.52					1							S
87783	10.413	0.023	9.661	0.019		1.118	0.015	G	0.59	0.10	S	9.7482	0.0035	0.037	212		9.69	9.81		R			1							
87784	11.807	0.087	10.622	0.049	B	1.015	0.078	T	0.99	0.06	L	10.8089	0.0726			B				D	17559−7032	I 2	1 C I D							D
87785	8.017	0.016	7.989	0.025		0.101	0.015	G	0.11	0.02	H	7.9975	0.0017	0.010	59		7.98	8.02					1							
87786	10.076	0.032	8.336	0.014		1.451	0.028	T	1.45	0.04	L	8.2931	0.0021	0.013	55		8.27	8.32		C			1							
87787	12.007	0.103	10.519	0.042		1.390	0.020	G	1.36	0.02	I	10.5724	0.0035	0.037	174		10.50	10.63					1							G
87788						0.691	0.041	G	0.75	0.03	H	11.3898	0.0068	0.064	70		11.19	11.51					1 X							G G
87789	8.342	0.009	7.257	0.006		0.938	0.008	T	0.93	0.01	L	7.3070	0.0010	0.010	141		7.29	7.33		C			1							S
87790	7.322	0.008	7.385	0.010		−0.053	0.012	T	−0.03	0.01	L	7.3730	0.0022	0.011	55		7.36	7.39					1							S
87791	9.210	0.028	8.800	0.030		0.381	0.020	G	0.45	0.02	H	8.8791	0.0024	0.015	45		8.85	8.91					1							
87792	9.048	0.011	8.838	0.012		0.201	0.015	T	0.22	0.02	L	8.8666	0.0013	0.016	151		8.84	8.89					1							S
87793	10.226	0.034	9.486	0.029		0.663	0.034	T	0.72	0.03	L	9.6206	0.0027	0.019	84		9.59	9.66		C			1							
87794	7.095	0.006	6.813	0.006		0.270	0.015	G	0.30	0.02	H	6.8548	0.0008	0.008	102		6.84	6.87					1							S
87795	9.017	0.012	7.864	0.008		0.990	0.011	T	0.97	0.01	L	7.9206	0.0014	0.015	166		7.90	7.95					1							
87796	10.288	0.038	9.542	0.032		0.682	0.039	T	0.74	0.03	L	9.6372	0.0034	0.021	60		9.60	9.69		C			1							
87797	10.397	0.039	8.095	0.013		1.943	0.034	T	3.14	0.06	O	7.7232	0.0087	0.047	58		7.65	7.82		U 2			1 S							P
87798	6.772	0.009	6.739	0.013		0.035	0.015	T	0.05	0.01	L	6.7569	0.0015	0.008	49		6.74	6.77		C			1							S
87799	8.738	0.017	8.251	0.017		0.480	0.015	G	0.55	0.02	H	8.3003	0.0019	0.014	63		8.27	8.32					1							
87800	8.940	0.020	8.233	0.019	*	0.650	0.015	G	0.71	0.01	H *	8.3187	0.0014	0.014	139	*	8.30	8.35		D	17561+2130	I 1	2 C A	AB	171	4.053	0.014	2.58	0.06	S

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg		Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)										Soln F1 %	F2
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
87801 H	17 56 10.96	−27 14 26.9	9.88	H	269.045 652 78	−27.240 810 92	A	3.50	16.54	−14.50	6.97	3.44	6.73	7.19	3.28	+28	−43	−25	+13	+16	−18	+ 1	−59	+27	+ 5	1	0.27
87802 H	17 56 12.00	+39 26 21.1	8.04	H	269.050 004 69	+39.439 204 63	A	11.99	79.85	−42.82	0.92	1.08	1.05	0.94	1.12	+ 4	+ 5	− 6	+25	+ 9	−12	+ 6	+11	− 9	+13	1	−0.39
87803	17 56 12.03	+03 28 20.9	10.48	G	269.050 112 36	+03.472 475 37		26.54	−264.32	−237.23	1.99	1.68	2.10	2.74	2.32	+42	−20	− 1	− 9	−27	− 8	−20	−34	−15	+55	0	1.42
87804	17 56 12.39	−57 09 43.1	12.18	3 H	269.051 618 42	−57.161 984 00		1.10	−31.26	−27.57	3.53	2.53	3.92	4.09	2.68	− 8	−28	−14	+14	−43	+16	−40	+ 9	+10	− 9	2	0.44
87805	17 56 13.39	−46 42 07.7	7.43	1 H	269.055 773 70	−46.702 131 26		0.57	0.59	−2.71	0.88	0.47	0.98	1.02	0.51	− 5	−33	−20	+36	−33	+ 6	−41	−29	+38	−13	0	1.14
87806	17 56 13.64	+06 46 23.1	8.91	H	269.056 815 02	+06.773 081 60		2.28	20.39	5.80	1.07	0.92	1.30	1.08	1.02	+11	−38	−26	− 4	+ 7	+10	+ 6	−22	+19	+25	0	−0.52
87807	17 56 15.03	−04 34 34.9	7.77	H	269.062 615 95	−04.576 359 99		4.81	−3.95	−15.12	0.89	0.63	0.92	0.99	0.72	+25	−30	−23	+30	+29	+ 4	+26	+ 7	+ 8	+17	0	0.09
87808	17 56 15.18	+37 15 01.9	3.86	1 G	269.063 243 89	+37.250 521 58		4.87	2.74	7.24	0.42	0.45	0.54	0.48	0.57	− 5	− 1	− 8	+13	− 3	+ 4	− 3	+17	−24	− 6	0	−1.53
87809	17 56 15.19	−25 40 22.0	7.87	H	269.063 303 32	−25.672 775 59		1.12	−1.15	−9.28	0.88	0.47	0.94	0.96	0.49	+ 8	−31	−14	+21	+20	+ 5	+ 7	−37	+19	− 6	0	−0.20
87810	17 56 16.08	−32 28 30.0	6.59	2 H	269.066 984 20	−32.474 988 77	*	−2.08	3.69	−3.47	1.43	0.87	1.62	2.18	1.35	− 1	−46	−37	+61	−10	−34	−32	+33	+17	−54	0	−0.80
87811	17 56 16.70	+02 59 09.1	8.25	H	269.069 569 01	+02.985 851 98		3.67	3.80	−11.53	0.93	0.71	1.12	1.05	0.86	+28	−46	−29	+ 2	− 4	+15	− 3	−12	+ 6	+16	0	0.30
87812	17 56 18.40	+00 40 13.3	5.82	1 H	269.076 679 21	+00.670 355 71		3.93	−3.72	−0.36	0.82	0.54	0.97	0.82	0.58	+32	−56	−34	−27	−23	+33	−12	−28	+ 5	+28	0	−0.41
87813	17 56 19.04	−15 48 44.5	5.93	1 H	269.079 338 64	−15.812 360 72		13.11	−9.61	−66.17	0.88	0.61	0.98	0.96	0.65	−35	−23	−35	−33	+49	−38	+29	−58	+33	−66	0	1.36
87814	17 56 19.23	−53 20 41.8	8.06	H	269.080 113 74	−53.344 935 61		2.38	−43.11	−71.67	0.95	0.65	1.09	1.10	0.68	−35	−14	+ 1	+39	−37	+14	−35	+ 8	− 4	−37	0	0.32
87815	17 56 20.17	+62 36 35.4	7.72	1 G	269.084 028 21	+62.609 823 11		12.02	−52.16	100.42	0.59	0.58	0.61	0.63	0.64	+18	−14	−20	+18	+14	−20	+13	+17	−17	+15	0	0.83
*87816	17 56 22.07	+58 12 53.0	10.99	G																							
*87817 H	17 56 21.30	−72 18 43.2	8.34	H	269.088 740 60	−72.311 990 25	A	7.44	−57.72	−53.39	0.77	1.07	1.29	0.80	1.14	+ 2	+ 5	+ 1	+15	− 4	+ 3	− 9	− 5	−11	− 6	2	−0.82
*87818	17 56 21.28	+31 07 36.6	9.27	2 H	269.088 667 98	+31.126 821 04		−0.89	− 6.24	7.17	0.74	0.82	1.04	0.85	1.02	+17	−14	−16	+28	+ 7	−11	+ 5	+22	− 2	+ 7	1	1.02
*87819	17 56 21.29	−21 57 21.5	6.86	2 H	269.088 720 88	−21.955 979 62		8.19	− 8.13	−40.43	1.00	0.61	0.98	1.02	0.60	−44	−27	−20	−45	+55	−22	+46	−69	+ 9	−60	0	−0.06
87820	17 56 23.33	+58 13 06.7	10.00	H	269.097 202 63	+58.218 525 69		−5.74	−16.91	−57.63	30.46	28.14	15.23	29.11	27.12	− 8	+22	−20	−88	+ 2	−20	+ 2	−87	+23	+10	0	
87821	17 56 24.17	−54 22 41.0	7.55	H	269.100 691 79	−54.378 045 44		3.26	− 2.93	− 9.96	0.81	0.54	0.89	0.92	0.57	−14	−31	+ 2	+15	−39	+ 3	−34	− 2	+ 5	− 9	2	0.78
87822	17 56 24.18	−65 43 15.5	6.36	G	269.100 734 45	−65.720 964 39		28.92	84.63	−318.58	0.48	0.50	0.81	0.67	0.70	− 6	−26	− 3	−24	−15	+22	− 7	−32	−19	+ 3	1	0.73
87823 H	17 56 24.41	+18 19 37.3	6.66	G	269.101 720 65	+18.327 025 23	A	4.73	− 1.83	−11.36	1.39	1.35	1.63	1.67	1.39	+32	−12	+ 6	+28	+52	− 4	+50	+35	−21	+39	1	1.90
87824	17 56 24.44	−26 46 23.5	7.39	H	269.101 844 52	−26.773 187 19		21.15	−16.90	−83.95	1.06	0.52	1.14	1.14	0.56	+21	−56	−26	+19	+ 9	+ 3	− 6	−38	+23	+10	7	0.97
87825	17 56 24.60	+19 53 19.9	7.19	H	269.102 517 12	+19.888 872 16		8.66	− 5.76	−15.83	0.61	0.57	0.86	0.61	0.58	+14	−37	− 8	+22	+40	−13	+35	+13	+ 1	+12	0	0.93
87826	17 56 25.15	−47 27 06.5	7.84	H	269.104 811 77	−47.451 815 40		3.82	6.86	−25.36	0.98	0.62	1.12	1.21	0.64	− 3	−17	+11	+32	−36	− 9	−31	−14	+ 3	+ 0	0	−1.07
87827	17 56 26.23	+62 37 10.6	7.61	H	269.109 298 53	+62.619 614 29		2.36	9.97	−13.15	0.55	0.56	0.57	0.58	0.59	+14	−10	− 8	+16	+10	−15	+10	+12	−14	+13	0	−0.01
87828	17 56 26.69	+32 11 12.1	8.30	H	269.111 225 13	+32.186 693 54		1.42	− 4.26	−10.81	0.63	0.66	0.85	0.68	0.67	+ 9	−26	− 5	−10	+13	−11	+11	+ 9	− 4	+11	0	1.16
87829	17 56 26.98	−10 11 20.2	8.99	H	269.112 406 06	−10.188 938 92		6.39	− 7.08	−24.54	1.14	0.77	1.23	1.42	0.92	+18	−20	+ 0	− 2	−20	− 3	−14	−34	−12	+28	0	−0.39
87830	17 56 28.30	−06 33 06.1	8.84	H	269.117 896 51	−06.551 692 06		3.50	3.39	− 6.24	1.22	0.90	1.33	1.31	1.01	− 5	−34	−16	+ 0	+18	− 2	+18	−39	+ 3	− 3	2	2.41
87831	17 56 33.31	+20 58 52.8	9.38	H	269.138 802 98	+20.981 338 12		−0.86	− 4.09	− 0.21	0.86	1.00	1.45	1.14	1.17	+ 2	− 8	− 5	−16	+25	+12	+20	+19	+ 5	+12	0	−0.31
87832	17 56 34.92	−19 01 05.8	9.74	G	269.145 506 39	−19.018 273 66		−1.72	0.12	− 0.34	1.50	0.91	1.67	1.78	1.03	+ 3	−31	−17	+ 5	+11	−11	+ 6	−30	+13	+ 6	0	1.33
87833	17 56 36.38	+51 29 20.2	2.24	1 H	269.151 574 39	+51.488 951 01		22.10	− 8.52	−23.05	0.42	0.43	0.46	0.48	0.51	− 1	+ 5	+ 3	+11	+ 9	− 9	+10	+ 6	+ 0	+ 5	1	1.15
87834	17 56 37.82	+18 36 44.7	6.55	H	269.157 572 82	+18.612 416 45		24.12	212.22	6.31	0.60	0.57	0.82	0.68	0.62	+31	−32	−19	+29	+55	−18	+52	+19	−15	+16	0	−1.10
87835	17 56 40.47	+06 50 25.4	7.65	H	269.168 637 29	+06.840 394 38		0.11	−12.57	− 5.66	0.78	0.66	0.91	0.81	0.75	+19	−43	−25	−17	− 8	+10	−10	−28	+13	+21	0	0.13
87836	17 56 41.82	−28 03 55.3	5.76	H	269.174 245 96	−28.065 349 40		19.87	31.86	−18.17	0.74	0.44	0.77	0.87	0.47	− 9	−26	+ 4	+15	+ 8	+ 0	+ 2	−35	+ 8	−13	0	−0.42
87837	17 56 42.04	+11 52 20.6	8.12	H	269.175 156 92	+11.872 377 24		18.71	34.17	−139.37	0.76	0.68	0.99	0.71	0.63	−22	−16	− 7	− 8	+45	− 5	+42	+38	−27	−15	0	−0.25
87838	17 56 42.56	+29 29 29.5	9.86	H	269.177 339 86	+29.491 538 30	A	5.63	23.15	− 3.49	2.82	3.11	3.21	2.93	2.99	+ 6	−15	− 4	− 8	+ 5	+ 1	+ 7	+17	−13	+ 7	0	0.34
87839	17 56 42.86	−31 31 18.2	8.72	H	269.178 583 76	−31.521 718 71		4.26	5.25	2.34	1.30	0.69	1.31	1.52	0.77	−13	−42	− 7	+29	+11	−17	− 1	−27	+ 6	−34	0	0.85
87840	17 56 43.00	+44 59 14.6	6.92	H	269.179 150 79	+44.987 383 96		2.96	− 5.37	− 5.77	0.51	0.47	0.54	0.59	0.53	+ 4	+ 3	− 4	−17	+10	− 7	+ 9	− 3	+ 1	+ 6	0	−0.87
87841	17 56 43.12	−09 00 52.5	8.60	H	269.179 657 76	−09.014 597 00		14.12	5.03	−86.60	1.06	0.75	1.23	1.11	0.82	+16	−29	−23	−13	+ 0	−20	−16	−47	+19	−15	0	−1.61
87842	17 56 43.97	+29 29 14.2	10.38	H	269.183 196 30	+29.487 277 41	B	5.74	22.90	− 7.67	9.16	10.10	6.33	5.78	5.78	+ 7	−12	− 6	− 5	+ 7	+ 1	+ 8	+17	−15	+10	0	0.34
87843	17 56 44.18	−82 04 08.4	8.84	H	269.184 079 31	−82.069 010 10		8.00	6.57	−18.44	0.78	0.79	1.02	0.86	0.89	+ 6	−29	− 9	− 4	−12	−21	−11	+ 6	− 2	− 8	0	0.67
87844	17 56 46.35	−35 12 05.2	7.70	1 H	269.193 145 37	−35.201 446 72		3.37	3.55	− 7.55	0.99	0.69	1.08	1.19	0.80	+22	−37	−36	+21	− 7	− 6	−17	+ 2	+11	−27	0	1.24
87845	17 56 47.15	−59 54 49.8	9.20	H	269.196 444 56	−59.913 842 55		0.96	− 3.49	−17.66	1.05	0.84	1.36	1.20	0.85	+ 0	− 8	+ 6	−32	+ 5	− 1	+ 6	−42	− 3	+21	0	−2.00
87846	17 56 47.43	−44 20 31.9	4.85	G	269.197 606 82	−44.342 198 71		9.39	− 3.19	−19.50	0.77	0.37	0.81	0.77	0.36	−15	−35	+ 0	+47	−34	− 5	−39	+ 3	+17	−26	0	0.38
87847	17 56 47.75	−04 04 54.5	5.44	H	269.198 950 85	−04.081 801 89		7.66	− 5.52	− 8.86	0.62	0.44	0.71	0.60	0.48	+10	−44	−12	+ 9	−10	+13	− 5	− 5	− 8	+ 1	0	−0.15
87848	17 56 47.82	−40 23 07.7	7.72	H	269.199 251 18	−40.385 462 97		0.65	− 9.18	−15.90	0.99	0.54	1.12	1.23	0.54	+ 1	−11	+15	+28	−29	−12	−21	− 6	+ 1	+ 9	0	−0.20
87849	17 56 48.04	−15 41 02.1	7.62	H	269.200 176 11	−15.683 909 39		2.68	0.27	− 2.91	0.95	0.69	1.15	1.11	0.75	−18	−23	−39	−22	+39	−40	+14	−58	+35	−54	0	1.74
87850	17 56 48.51	+45 21 03.3	6.22	2 H	269.202 144 15	+45.350 927 31		3.26	15.41	−31.48	0.48	0.46	0.54	0.57	0.53	+ 4	− 9	− 8	− 4	+ 1	−21	+ 0	+ 1	− 3	+ 5	1	0.63
87851	17 56 49.03	+70 04 52.9	9.00	H	269.204 282 94	+70.081 372 59		7.40	− 0.89	−29.07	0.76	0.66	0.77	0.88	0.94	+23	− 9	+ 3	−16	−21	− 2	−18	−34	− 8	+39	1	0.66
87852	17 56 49.61	+26 55 53.9	10.39	H	269.206 716 38	+26.931 647 52		1.92	5.46	6.38	1.05	1.14	1.61	1.30	1.26	+ 9	+ 2	+ 1	−12	+ 7	−12	+ 5	+ 6	+ 1	+14	2	3.02
87853	17 56 50.03	−32 41 19.9	6.68	H	269.208 448 82	−32.688 871 37		2.71	3.06	− 4.58	1.01	0.59	1.03	1.41	0.74	+ 3	−32	−26	+37	− 6	− 3	−16	− 6	+ 9	−25	0	0.88
87854 H	17 56 50.84	−39 55 57.8	7.28	H	269.211 845 19	−39.932 735 98	A	0.41	5.04	1.28	1.84	1.05	1.78	2.00	0.95	−28	−17	+ 3	+46	−45	+ 3	−34	+15	+ 0	−16	4	0.70
87855	17 56 51.21	−36 39 44.4	8.84	H	269.213 385 05	−36.662 329 21		5.59	4.63	4.45	1.43	1.13	1.52	2.32	1.78	−32	+ 8	−30	− 8	+47	−17	+42	−39	+38	−39	0	−0.34
87856	17 56 51.39	−38 32 20.1	8.82	H	269.214 115 01	−38.538 902 90		1.71	7.80	− 8.37	1.35	0.88	1.49	1.69	0.95	+11	−27	− 3	+28	−19	− 4	−13	+45	− 8	+34	0	1.40
87857 H	17 56 51.77	+41 15 05.5	8.80	H	269.215 720 48	+41.251 528 78	A	9.42	−13.96	3.50	1.05	1.16	1.16	1.03	1.30	−10	− 3	−13	− 2	+ 1	+ 5	+ 0	+39	−25	− 9	2	0.48
87858	17 56 51.87	−64 48 19.4	8.25	H	269.216 112 00	−64.805 393 15		1.81	−12.85	−26.62	0.79	0.73	1.07	0.73	0.68	+ 5	−30	+10	−18	+ 7	+12	+ 7	−40	+ 2	+15	0	−1.49
87859	17 56 52.23	+82 29 11.1	8.66	H	269.217 628 41	+82.486 412 58		3.43	6.33	3.03	0.68	0.68	0.74	0.72	0.92	+ 4	−28	− 7	+19	+11	−16	+14	+23	− 2	− 1	0	0.01
87860	17 56 52.38	+04 59 14.7	7.59	2 T	269.218 245 71	+04.987 410 50		13.98	54.04	73.92	0.90	0.73	1.11	1.09	0.88	+25	−36	−32	−29	−16	+32	− 6	−27	+ 5	+35	0	0.47
87861	17 56 54.54	+06 10 26.0	8.53	H	269.227 247 65	+06.173 885 38	+	24.08	−87.42	−114.28	1.34	0.93	1.43	2.60	2.05	+29	−57	−40	+27	+32	−25	+26	+24	−20	+86	0	0.42
87862	17 56 54.61	+25 12 40.8	8.25	H	269.227 561 83	+25.211 323 89		4.76	− 6.76	1.98	0.51	0.64	0.96	0.67	0.73	+ 1	+ 8	−12	− 6	+ 8	−27	+ 4	+ 0	+ 2	+ 9	0	1.70
87863	17 56 54.67	+16 05 54.1	9.50	G	269.227 797 37	+16.098 361 60		1.85	2.14	−18.97	1.05	0.90	1.36	1.17	0.94	+24	−26	−19	+41	+36	−17	+31	+20	−13	+ 2	0	3.61
87864	17 56 55.05	−61 26 26.4	8.51	G	269.229 366 30	−61.440 654 45		1.74	− 7.35	−10.25	0.75	0.66	1.00	0.87	0.70	− 1	− 2	− 7	+ 3	+ 3	+11	+ 4	−17	+17	+ 4	0	0.35
87865	17 56 55.89	−40 18 20.3	6.46	H	269.232 855 79	−40.305 648 44		5.66	25.34	2.14	0.79	0.45	0.92	0.95	0.45	− 5	−20	+11	+22	−25	−19	−10	+ 3	+ 0	− 0.47	0	−0.47
87866	17 56 55.96	+06 29 15.8	6.28	H	269.233 185 38	+06.487 734 01		4.79	19.79	−1.65	0.70	0.57	0.84	0.70	0.61	+13	−43	−29	−19	− 2	+11	− 7	−27	+21	+21	0	−1.68
87867	17 56 56.07	+19 24 08.8	9.07	H	269.233 631 61	+19.402 433 37		1.88	− 0.68	− 5.67	1.94	1.80	2.76	2.21	1.96	+13	−36	+ 6	+12	+39	−10	+37	+15	− 7	+15	0	
87868	17 56 56.32	−63 06 45.8	8.81	H	269.234 662 33	−63.112 735 99		7.54	−71.46	32.77	0.78	0.76	1.11	0.96	0.83	+15	−15	− 3	−15	− 2	+10	− 3	−24	+ 9	+17	0	−0.33
87869	17 56 57.80	−56 39 47.3	8.91	H	269.240 816 07	−56.663 133 88		5.72	− 4.60	−24.81	1.14	0.77	1.18	1.45	0.81	− 8	−17	+ 0	+ 0	−36	−15	−30	+ 3	+ 4	−23	0	−1.24
87870	17 56 58.76	−36 16 21.3	8.81	H	269.244 813 59	−36.272 585 60		2.99	20.53	1.56	1.41	1.06	1.54	2.37	1.70	− 1	+ 9	−13	+19	+33	−14	+29	− 1	+29	−13	0	−0.39
87871	17 56 58.79	+53 26 37.6	8.59	H	269.244 974 70	+53.443 777 68		2.70	−10.05	10.19	0.72	0.76	0.79	0.82	1.00	−10	+ 5	− 9	+ 6	+ 0	+ 0	+ 1	+23	−13	−14	0	−1.30
87872	17 56 59.09	−60 19 27.9	7.76	H	269.246 222 14	−60.324 408 20		2.60	10.12	− 0.45	0.74	0.61	0.90	0.89	0.66	+15	−10	−12	−23	−21	+10	−19	−20	+ 8	+25	0	1.04
87873	17 57 01.45	−18 56 58.0	9.74	H	269.256 045 01	−18.949 456 33		−1.21	− 1.84	− 0.09	1.47	0.89	1.64	1.74	0.98	+11	−25	−20	+ 5	+13	−16	+ 4	−30	+16	− 1	0	2.56
87874	17 57 01.92	−35 41 23.7	9.84	H	269.257 989 53	−35.689 910 70		5.73	−13.14	− 7.78	1.77	1.24	1.91	2.38	1.66	+ 1	−34	− 8	+ 7	+15	− 2	+ 7	− 8	+ 6	−35	0	−1.10
87875 H	17 57 04.30	+00 04 00.1	5.95	G	269.267 928 71	+00.066 687 31	A	10.46	20.54	− 9.23	1.83	1.31	1.17	1.24	0.87	+52	− 8	−10	+16	+16	+13	+18	+11	+ 9	+60	1	−0.14
87876	17 57 04.73	+13 58 28.4	8.21	H	269.269 713 08	+13.974 567 66		5.76	3.95	−12.89	0.78	0.76	1.11	0.96	0.89	+33	−22	− 3	+31	+39	+20	+44	+49	−22	+ 2	0	0.31
87877 H	17 57 05.08	+45 51 20.5	6.75	G	269.271 186 39	+45.855 693 37	A	13.71	6.68	107.73	0.64	0.60	0.63	0.65	0.66	+ 1	−19	−10	+10	− 7	−20	− 1	+36	−14	+16	1	−0.63
87878	17 57 05.61	−65 06 48.5	7.30	G	269.273 359 06	−65.113 463 09		2.37	− 1.40	−29.92	0.61	0.64	0.87	0.62	0.65	+ 0	−16	+ 4	−25	− 3	+ 1	− 1	−39	− 5	+11	0	−1.59
87879	17 57 07.04	−13 39 11.6	7.54	H	269.279 349 53	−13.653 218 20		7.63	−15.20	− 8.25	0.89	0.58	1.05	1.02	0.63	+ 8	−18	−12	−14	− 7	−35	−19	−36	+10	−27	0	2.49
87880	17 57 07.46	−23 56 21.3	6.52	2 H	269.281 081 22	−23.939 240 28		1.02	− 0.30	− 3.09	0.79	0.45	0.86	0.84	0.45	+16	−43	−23	+11	+ 6	− 5	− 3	−38	+ 9	+ 0	0	0.19
87881	17 57 07.51	−19 01 03.9	10.03	G	269.281 299 98	−19.017 746 95		−0.14	− 2.23	− 2.05	1.62	1.00	1.78	1.88	1.07	+12	−28	− 9	+ 7	+11	−19	+ 6	−35	+ 3	+ 5	0	−0.07
87882	17 57 08.57	+36 51 36.9	7.32	H	269.285 726 80	+36.860 239 68		15.43	1.67	61.85	0.50	0.55	0.63	0.53	0.63	− 1	− 6	− 4	+19	+ 7	− 2	+ 8	+10	− 7	+ 6	0	−0.86
87883	17 57 08.98	+37 48 10.4	6.87	H	269.287 437 23	+37.802 883 95		7.12	−32.88	21.81	0.49	0.52	0.62	0.60	0.67	+ 1	− 3	− 9	+25	+ 9	− 4	+ 9	+13	−25	− 4	0	0.12
87884	17 57 09.98	−08 04 08.0	8.05	H	269.291 568 36	−08.068 887 70		14.09	32.98	−19.56	1.02	0.77	1.22	1.42	0.97	−23	+ 7	−42	−27	+28	−23	+20	−44	+39	−41	0	1.47
87885	17 57 09.99	−34 15 02.9	8.77	H	269.291 633 81	−34.250 801 03		1.64	− 0.27	−29.78	1.22	0.81	1.28	1.54	0.97	+ 1	−25	−14	+19	− 8	− 8	−13	−11	+ 6	−16	0	0.08
87886	17 57 10.41	−41 58 42.3	6.74	1 H	269.293 364 29	−41.978 404 94		0.99	2.80	− 6.21	0.78	0.44	0.80	0.96	0.44	−10	−19	+ 8	+40	−36	−17	−31	+ 1	+ 5	−10	0	0.25
87887	17 57 10.59	−46 07 16.8	8.53	H	269.294 141 64	−46.121 339 60		15.07	−41.71	−101.95	1.15	0.63	1.22	1.47	0.64	−13	−10	− 6	+31	−38	−13	−36	−24	+23	−20	0	0.99
87888	17 57 10.65	+47 13 34.3	7.68	H	269.294 382 67	+47.226 200 77		3.82	1.39	− 4.99	0.55	0.53	0.60	0.59	0.60	+ 2	−15	+ 1	+ 3	+ 0	− 6	+ 0	+ 7	− 1	+11	0	1.37
87889	17 57 11.73	−45 46 21.3	10.70	G	269.298 888 47	−45.772 597 10	A	23.86	6.41	−192.55	3.24	1.73	3.27	3.52	1.64	− 3	−30	+ 3	+ 8	−33	+ 5	−36	−33	+29	− 4	0	0.07
87890	17 57 13.02	+22 45 29.6	8.99	H	269.304 268 82	+22.758 208 55		4.53	−18.15	− 4.07	0.62	0.80	1.18	0.80	0.92	+13	+ 0	−25	+39	− 1	+12	+ 7	+ 1	− 2	+25	1	0.53
87891	17 57 13.12	−70 09 51.4	8.64	H	269.304 686 02	−70.164 269 89		3.62	− 1.61	−17.09	0.45	0.78	1.05	0.47	0.90	+12	−20	−14	−11	−13	+ 7	−13	− 9	− 2	− 7	1	1.43
87892 H	17 57 13.22	−55 22 52.3	6.55	G	269.305 074 65	−55.381 188 45	A	5.95	− 5.04	−24.67	1.59	1.06	1.38	2.04	1.03	−37	+ 2	− 5	+28	−37	− 3	−35	+ 7	− 4	−35	1	1.58
87893	17 57 13.50	−23 08 53.3	9.54	H	269.306 244 30	−23.148 132 80		0.06	− 0.10	− 6.40	1.39	0.93	1.48	1.83	0.97	−21	− 3	−22	−12	+36	−14	+32	−58	+21	−16	0	−0.97
87894	17 57 13.51	−16 39 29.5	8.94	H	269.306 287 42	−16.658 187 66		6.56	− 8.74	−24.71	1.24	0.79	1.50	1.36	0.84	+ 8	−26	−35	−12	+27	−31	+ 2	−54	+31	−34	2	0.52
87895	17 57 14.34	+23 59 44.6	6.32	H	269.309 736 53	+23.995 710 02	+	35.02	−17.28	73.70	0.35	0.53	0.65	0.36	0.57	−25	−19	−12	+ 1	+15	− 2	+18	− 8	− 1	− 4	1	1.23
87896	17 57 14.39	+20 38 20.8	7.47	H	269.309 937 73	+20.639 117 70		11.02	−21.72	−24.46	0.52	0.59	0.84	0.62	0.63	− 5	−20	+ 2	− 8	+33	+ 2	+29	+16	− 1	+ 1	1	0.23
87897 H	17 57 17.30	−38 46 57.5	7.60	H	269.322 089 37	−38.782 651 86	A	3.96	5.19	− 7.06	1.14	0.67	1.13	1.35	0.66	+ 5	−35	+11	+11	−31	− 7	−23	+ 8	+ 5	+46	2	−0.79
87898	17 57 17.39	−71 05 38.5	7.18	H	269.322 441 54	−71.094 026 86		4.64	−33.85	−112.56	0.38	0.58	0.82	0.44	0.72	+ 2	− 9	− 6	+ 4	−16	− 2	−17	−12	−33	−13	0	−0.34
87899	17 57 18.66	+12 37 36.6	7.44	H	269.327 761 21	+12.626 820 70

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
87801	10.835	0.051	10.315	0.056	*	0.488	0.069	T	0.56	0.07	L *	9.9887	0.0030	0.026	105	*	9.94	10.03		D	17562−2714	I 1	2 C A	AB	200	0.861	0.007	0.14	0.02	G
87802	8.744	0.009	8.180	0.009	A	0.500	0.495	G	0.58	0.02	L *	8.1555	0.0016	0.015	131	*	8.13	8.19		D	17562+3926	I 1	2 C A	AB	303	1.169	0.008	1.92	0.03	S
87803	12.144	0.228	10.600	0.089		1.230	0.015	G	1.39	0.02	I	10.5869	0.0067	0.035	55		10.53	10.66					1							G
87804											T	12.2620	0.0469	0.268	72		11.82	12.69	0.59	P 1 A			1							G
87805	7.366	0.005	7.440	0.007		−0.034	0.004	G	−0.01	0.00	H	7.4245	0.0019	0.017	131		7.40	7.46		U			1							S
87806	10.328	0.037	9.041	0.021		1.095	0.033	T	1.06	0.03	L	9.0767	0.0026	0.016	64		9.05	9.10		C			1							
87807	7.856	0.008	7.776	0.013		0.079	0.014	T	0.09	0.01	L	7.8016	0.0015	0.012	62		7.78	7.83		C			1							S
87808	5.602	0.003	3.996	0.002		1.350	0.003	G	1.17	0.03	C	4.0284	0.0007	0.007	131		4.02	4.04		M			1							S
87809	7.940	0.008	7.875	0.010		0.065	0.012	T	0.07	0.01	L	7.8992	0.0009	0.012	112		7.88	7.92					1							S
87810	7.094	0.029	6.647	0.027		0.422	0.036	T	0.49	0.04	L	6.6875	0.0220	0.145	52		6.48	6.87	12.01	P 1 A	17563−3228	I 1	1 V							S
87811	8.641	0.014	8.269	0.014		0.352	0.018	T	0.41	0.02	L	8.3312	0.0019	0.014	59		8.31	8.35		C	17563+0259	I 1	1 S							S
87812	5.897	0.004	5.839	0.005		0.058	0.006	T	0.07	0.01	L	5.8492	0.0018	0.015	61		5.83	5.87	0.14	P 1 A			1							S
87813	5.988	0.004	5.933	0.005		0.024	0.007	G	0.04	0.01	H	5.9463	0.0010	0.011	84		5.93	5.96		U 2	17563−1549	I 1	1 S							S
87814	9.597	0.023	8.219	0.013		1.166	0.021	T	1.13	0.02	L	8.2320	0.0011	0.012	89		8.21	8.26		C			1							
87815	8.558	0.011	7.776	0.009		0.710	0.011	T	0.76	0.01	L	7.8709	0.0011	0.011	118		7.85	7.89		M	17564+6238	I 2	1							S
87816						0.160	0.040	G	0.18	0.04	R	10.9139	0.1428	0.855	106		9.55	12.63		D	17564+5813	I 2	S							G G
87817	8.882	0.009	8.408	0.009	*	0.446	0.012	T	0.52	0.01	L *	8.4414	0.0018	0.022	217	*	8.40	8.47		D	17564−7219	I 1	2 C A	AB	10	0.990	0.012	2.51	0.05	
87818	10.961	0.038	9.484	0.018		1.263	0.035	T	3.43	0.07	O	9.0069	0.0146	0.167	157		8.68	9.23		U 2 C			1 S							
87819	6.994	0.005	6.881	0.006		0.092	0.025	G	0.10	0.03	H	6.9026	0.0015	0.015	95		6.88	6.95		U 2			1							S
87820	13.224	0.456	10.669	0.074		2.700	0.510	G	2.70	0.52	J	9.9786	0.0876	0.565	81		9.03	10.57		D	17564+5813	I 2	1 X S							
87821	7.528	0.007	7.545	0.008		−0.011	0.010	T	0.01	0.01	L	7.5602	0.0011	0.008	84		7.54	7.57		C			1							S
87822	6.891	0.004	6.414	0.003		0.451	0.006	G	0.52	0.01	H	6.4629	0.0008	0.008	158		6.45	6.48					1 G							S
87823	7.119	0.005	6.705	0.005	*	0.400	0.015	G	0.47	0.02	H *	6.7573	0.0008	0.009	152	*	6.74	6.77		D	17564+1820	I 1	2 C A	AB	292	2.613	0.003	0.26	0.01	S
87824	8.142	0.008	7.467	0.008		0.614	0.009	T	0.68	0.01	L	7.5237	0.0011	0.010	110		7.50	7.54		C			1							S
87825	7.422	0.006	7.224	0.006		0.189	0.008	T	0.21	0.01	L	7.2535	0.0017	0.013	117		7.23	7.27					1							S
87826	9.316	0.015	7.978	0.009		1.135	0.014	T	1.10	0.01	L	8.0110	0.0015	0.015	116		7.98	8.04					1							
87827	7.707	0.007	7.604	0.008		0.100	0.010	T	0.11	0.01	L	7.6525	0.0009	0.009	115		7.64	7.67		C	17564+6238	I 2	1							S
87828	9.650	0.019	8.407	0.011		1.061	0.017	T	1.03	0.01	L	8.4641	0.0013	0.016	142		8.43	8.50					1							
87829	9.847	0.025	9.086	0.021		0.694	0.026	T	0.75	0.02	L	9.1293	0.0023	0.020	66		9.09	9.15		C			1							
87830	10.435	0.040	9.005	0.021		1.207	0.035	T	1.17	0.03	L	8.9992	0.0022	0.015	58		8.96	9.02		C			1							
87831	10.606	0.033	9.457	0.020		0.987	0.030	T	0.97	0.02	L	9.5467	0.0023	0.028	147		9.51	9.60					1							
87832	10.067	0.036	9.680	0.040		0.350	0.015	G	0.41	0.02	H	9.8052	0.0026	0.030	84		9.76	9.86		C			1							G
87833	4.256	0.003	2.413	0.003		1.521	0.005	G	1.54	0.03	C	2.3617	0.0008	0.006	100		2.35	2.37		M	17566+5129	I 1	1							S
87834	7.839	0.006	6.671	0.004		1.002	0.006	T	0.98	0.01	L	6.7116	0.0008	0.009	141		6.70	6.72		C			1							S
87835	9.876	0.027	7.874	0.011		1.659	0.023	T	1.68	0.02	L	7.7596	0.0017	0.010	74		7.73	7.78		R			1							
87836	6.020	0.004	5.807	0.004		0.207	0.005	G	0.23	0.01	H	5.8295	0.0007	0.005	92		5.82	5.84		C			1							S
87837	8.851	0.010	8.198	0.009		0.606	0.011	T	0.68	0.01	L	8.2512	0.0010	0.012	160		8.23	8.27					1							S
87838	10.198	0.028	9.820	0.030	A	0.358	0.038	T	0.42	0.04	L	9.9448	0.0215	0.081	153	A	9.71	10.01		D	17567+2929	I 2	1 C P D							D
87839	8.749	0.023	8.724	0.032		0.043	0.015	G	0.06	0.01	H	8.7414	0.0018	0.018	64		8.71	8.76		C			1							
87840	6.898	0.005	6.923	0.005		−0.018	0.006	T	0.00	0.01	L	6.9226	0.0009	0.009	122		6.91	6.94					1							S
87841	9.433	0.021	8.675	0.017		0.692	0.021	T	0.75	0.02	L	8.7461	0.0018	0.015	62		8.72	8.77		C			1							
87842	10.722	0.044	10.257	0.047	B	0.438	0.059	T	0.51	0.06	L	10.3962	0.0281			B				D	17567+2929	I 2	1 C I D							D
87843	9.360	0.015	8.870	0.014		0.473	0.016	T	0.54	0.02	L	8.9415	0.0021	0.021	134		8.90	8.98		C			1							
87844	7.680	0.014	7.711	0.017		−0.024	0.020	T	0.00	0.02	L	7.6980	0.0029	0.017	47		7.65	7.72		U			1 S							S
87845	9.762	0.022	9.204	0.021		0.527	0.023	T	0.60	0.02	L	9.3156	0.0029	0.026	112		9.27	9.35					1							
87846	6.407	0.003	4.989	0.002		1.176	0.062	G	1.15	0.02	A	5.0111	0.0008	0.006	110		5.00	5.02					1							S
87847	6.945	0.006	5.576	0.004		1.162	0.004	G	1.12	0.00	H	5.6086	0.0006	0.005	73		5.60	5.62		C			1							S
87848	9.855	0.029	7.931	0.012		1.597	0.025	T	1.62	0.03	L	7.8318	0.0012	0.012	96		7.81	7.85		C			1							
87849	9.226	0.016	7.751	0.009		1.269	0.020	G	1.23	0.02	H	7.7808	0.0013	0.010	81		7.77	7.80		C			1							
87850	8.202	0.013	6.495	0.011		1.453	0.014	T	3.05	0.04	O	6.1059	0.0102	0.102	127		5.91	6.26		U 2 C			1 S							S
87851	9.420	0.016	9.051	0.017		0.350	0.022	T	0.41	0.03	L	9.0851	0.0024	0.018	92		9.06	9.12		C			1							
87852	11.115	0.047	10.402	0.041		0.656	0.050	T	0.72	0.04	L	10.5260	0.0031	0.040	161		10.44	10.59					1 S							G
87853	6.758	0.008	6.687	0.008		0.070	0.011	T	0.08	0.01	L	6.7079	0.0011	0.008	48		6.70	6.73		C			1							S
87854	8.081	0.024	7.319	0.017	*	0.695	0.023	T	0.75	0.02	L *	7.4223	0.0023	0.018	98	*	7.40	7.45		R	17568−3956	I 1	2 C A	AB	123	3.499	0.004	0.98	0.01	
87855	11.147	0.092	9.067	0.025		1.760	0.079	T	2.54	0.10	O	8.8508	0.0023	0.020	52		8.83	8.89		C			1							
87856	9.418	0.020	8.883	0.020		0.509	0.021	T	0.58	0.02	L	8.9304	0.0015	0.015	80		8.91	8.95		C			1							
87857	9.437	0.017	8.907	0.016	A	0.486	0.072	G	0.54	0.04	L *	8.9083	0.0021	0.021	129	*	8.87	8.95		D	17569+4115	I 1	2 C A	AB	343	9.126	0.012	2.30	0.06	
87858	10.315	0.026	8.432	0.010		1.564	0.022	T	1.58	0.02	L	8.3697	0.0015	0.018	128		8.34	8.40					1							
87859	10.155	0.024	8.767	0.014		1.174	0.022	T	1.14	0.02	L	8.8275	0.0015	0.013	104		8.80	8.85					1							
87860	8.101	0.024	7.639	0.020		0.449	0.025	T	0.52	0.03	L	7.6947	0.0323	0.156	62		7.55	7.97	0.41	P 1 A			1							S
87861	9.718	0.027	8.652	0.019		0.924	0.025	T	0.92	0.02	L	8.6899	0.0024	0.018	59		8.67	8.71		R			1 O							
87862	8.552	0.008	8.267	0.009		0.271	0.011	T	0.31	0.01	L	8.3195	0.0014	0.016	190		8.29	8.34		C			1							S
87863	9.923	0.020	9.613	0.024		0.280	0.070	G	0.31	0.08	L	9.6392	0.0022	0.023	107		9.60	9.69					1							
87864	10.122	0.026	8.627	0.014		1.280	0.015	G	1.24	0.02	H	8.6679	0.0016	0.018	120		8.63	8.71					1							
87865	8.310	0.011	6.618	0.005		1.411	0.001	G	1.39	0.00	H	6.6017	0.0008	0.007	100		6.59	6.61		C			1							S
87866	6.262	0.004	6.283	0.005		−0.015	0.006	T	0.01	0.01	L	6.2846	0.0009	0.007	70		6.27	6.30		C			1							S
87867	11.012	0.045	9.239	0.018		1.477	0.038	T	1.49	0.06	L	9.2021	0.0022	0.020	136		9.17	9.25		C			1 X							
87868	9.251	0.013	8.857	0.013		0.385	0.016	T	0.45	0.02	L	8.8945	0.0017	0.017	132		8.87	8.92		C			1							
87869	9.432	0.019	8.955	0.019		0.449	0.025	T	0.52	0.03	L	9.0077	0.0022	0.019	79		8.97	9.04		C			1							
87870	10.286	0.044	8.942	0.025		1.140	0.040	T	1.10	0.04	L	8.9780	0.0032	0.017	46		8.95	9.01		C			1							
87871	10.098	0.024	8.715	0.013		1.170	0.021	T	1.13	0.02	L	8.7591	0.0014	0.013	100		8.73	8.78		C			1							
87872	9.140	0.015	7.885	0.010		1.070	0.014	T	1.03	0.01	L	7.9271	0.0015	0.014	117		7.90	7.95					1							
87873	10.092	0.038	9.787	0.046		0.330	0.015	G	0.38	0.02	H	9.8214	0.0031	0.025	84		9.78	9.85		C			1							G
87874	10.708	0.101	9.980	0.085		0.654	0.100	T	0.72	0.09	L	9.9797	0.0043	0.023	42		9.94	10.03		C			1							G
87875	6.105	0.004	5.967	0.005	*	0.110	0.010	G	0.12	0.01	H *	5.9881	0.0009	0.007	71	*	5.98	6.00		D	17571+0004	I 1	2 C A	AB	94	0.423	0.002	0.17	0.01	S
87876	8.586	0.009	8.247	0.010		0.322	0.013	T	0.37	0.02	L	8.2923	0.0013	0.013	131		8.27	8.32		C			1							S
87877	7.368	0.007	6.845	0.007	A	0.524	0.004	G	0.60	0.00	H *	6.8212	0.0007	0.007	135	*	6.81	6.84		D	17571+4551	I 1	2 C A	AB	281	1.650	0.006	2.32	0.02	S
87878	8.892	0.012	7.429	0.007		1.213	0.001	G	1.16	0.02	A	7.4655	0.0018	0.014	122		7.44	7.49					1							S
87879	7.886	0.010	7.553	0.011		0.316	0.014	T	0.36	0.02	L	7.6171	0.0011	0.011	76		7.59	7.64		C			1							S
87880	9.238	0.014	6.830	0.005		1.984	0.012	T	2.02	0.01	L	6.5988	0.0025	0.020	106		6.57	6.66		U 2			1 S							S
87881	10.326	0.048	9.955	0.054		0.260	0.015	G	0.29	0.02	H	10.0896	0.0023	0.020	83		10.05	10.12		D			1							G
87882	7.740	0.007	7.365	0.007		0.355	0.009	T	0.42	0.01	L	7.4088	0.0012	0.011	128		7.39	7.43		C			1							S
87883	8.312	0.008	6.992	0.005		1.121	0.007	T	1.08	0.01	L	7.0391	0.0008	0.008	119		7.02	7.05					1							S
87884	8.693	0.015	8.115	0.014		0.556	0.015	G	0.63	0.01	H	8.1697	0.0020	0.014	66		8.15	8.20					1							
87885	9.186	0.026	8.781	0.029		0.396	0.032	T	0.46	0.04	L	8.8627	0.0034	0.014	56		8.84	8.89		C			1 S							
87886	6.618	0.005	6.730	0.006		−0.096	0.007	T	−0.08	0.01	L	6.7165	0.0030	0.022	109		6.69	6.74	0.83	P 1 A			1							S
87887	9.157	0.013	8.588	0.012		0.536	0.013	T	0.61	0.01	L	8.6437	0.0019	0.016	121		8.62	8.67		C			1							
87888	9.252	0.013	7.804	0.007		1.221	0.012	T	1.18	0.01	L	7.8411	0.0013	0.014	143		7.82	7.86					1							S
87889	12.271	0.205	10.919	0.095	A	1.049	0.015	G	1.10	0.02	I	10.7935	0.0343	0.045	126	A	10.71	10.86			17572−4546	I 1	2 C D	AB	141	17.822	0.166	2.99	0.51	G D
87890	9.339	0.013	9.023	0.015		0.300	0.019	T	0.34	0.03	L	9.0668	0.0019	0.022	166		9.03	9.11					1							
87891	8.746	0.007	8.655	0.008		0.082	0.010	T	0.09	0.01	L	8.6774	0.0012	0.021	263		8.64	8.71					1							
87892	8.211	0.029	6.979	0.017	A	0.815	0.015	G	0.84	0.01	H *	6.6779	0.0014	0.009	79	*	6.67	6.69		D	17572−5523	I 1	2 C A	AB	95	2.449	0.004	0.86	0.01	S
87893	9.954	0.027	9.594	0.031		0.341	0.038	T	0.40	0.05	L	9.6209	0.0032	0.022	100		9.58	9.66					1							G
87894	9.719	0.026	8.992	0.022		0.653	0.026	T	0.72	0.02	L	9.0747	0.0021	0.014	77		9.05	9.11		C			1							
87895	7.110	0.003	6.398	0.003		0.642	0.006	G	0.68	0.03	C	6.4543	0.0005	0.008	267		6.44	6.47		C			1 O							S
87896	7.826	0.007	7.504	0.007		0.306	0.009	T	0.35	0.01	L	7.5508	0.0011	0.012	146		7.53	7.58		C			1							S
87897	7.532	0.007	7.623	0.009	*	−0.078	0.010	T	−0.06	0.01	L *	7.5814	0.0011	0.010	104	*	7.57	7.60		C	17573−3847	I 1	2 C A	AB	167	0.842	0.008	2.82	0.03	S
87898	8.828	0.008	7.327	0.004		1.263	0.007	T	1.22	0.01	L	7.3419	0.0009	0.013	223		7.32	7.37					1							S
87899	8.051	0.008	7.495	0.007		0.521	0.009	T	0.59	0.01	L	7.5547	0.0007	0.009	151		7.54	7.57					1 O							S
87900	9.839	0.023	8.571	0.013		1.090	0.015	G	1.05	0.02	H	8.5725	0.0017	0.020	146		8.54	8.61					1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)												Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
1 2	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr		19	20	21	22	23	24	25	26	27	28	%	
	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18										29	30
87901	17 57 19.89	+04 53 15.0	8.67	H	269.332 874 39	+04.887 492 77		6.38	−16.74	−14.68	1.05	0.87	1.32	1.23	1.01	+10	−30	−29	−21	− 1	+26	+ 9	−22	− 2	+17	0	0.19
87902	17 57 21.02	+35 40 29.6	7.58	H	269.337 580 56	+35.674 882 83		4.83	3.17	6.89	0.54	0.56	0.68	0.60	0.62	+ 8	−18	−15	+23	+13	−21	+11	+14	− 9	+ 7	0	0.15
87903	17 57 21.46	−28 11 17.6	9.54	H	269.339 399 25	−28.188 235 80		5.08	−0.09	−61.97	1.55	1.11	1.70	2.12	1.14	− 4	−13	−19	+ 2	+31	−19	+17	−74	+29	−14	2	1.17
87904	17 57 22.47	−38 54 31.4	8.40	H	269.343 611 64	−38.908 729 03		7.88	−19.36	−22.82	1.18	0.61	1.34	1.64	0.63	− 4	−30	+19	+36	−38	−17	−17	+ 4	+ 1	+36	0	0.08
87905	17 57 22.61	+26 35 19.7	8.70	H	269.344 211 11	+26.588 815 94		3.73	3.98	10.74	0.70	0.71	1.06	0.93	0.76	+ 4	−14	+10	+ 5	+12	−17	+11	+ 7	+ 2	+19	1	2.57
87906	17 57 22.90	+38 58 06.2	8.58	H	269.345 426 85	+38.968 383 54		13.25	26.60	−26.29	0.66	0.74	0.86	0.72	0.84	− 1	−10	− 6	+ 6	+ 6	−25	+ 5	+ 7	− 3	+ 5	1	0.30
87907 H	17 57 24.06	+51 11 18.0	9.35	H	269.350 236 74	+51.188 337 63	A	6.50	−17.81	3.60	1.41	1.33	1.32	1.54	1.49	+17	− 3	+ 1	+ 9	+ 1	− 1	+ 0	+15	+ 0	+26	0	−0.02
87908	17 57 24.21	+33 47 34.1	8.42	2 H	269.350 860 40	+33.792 818 97		2.85	−14.32	−11.12	0.64	0.69	0.86	0.67	0.79	+ 2	−18	− 5	+15	+ 6	−16	+ 7	+18	− 6	+ 1	0	−0.09
87909	17 57 24.30	+33 24 03.2	6.89	H	269.351 252 00	+33.400 878 14		4.31	14.66	−16.55	0.46	0.52	0.64	0.51	0.55	+ 9	−19	−16	+14	+16	−25	+12	+18	− 3	+11	1	0.04
87910	17 57 26.99	+11 02 40.4	6.33	H	269.362 457 97	+11.044 567 94		9.36	−9.82	−10.33	0.62	0.56	0.82	0.61	0.52	−20	−20	− 6	−12	+50	− 5	+43	+32	−28	− 4	0	1.06
87911 H	17 57 28.54	+10 57 46.8	8.40	H	269.368 918 32	+10.962 988 07	*	5.31	−8.39	−8.46	1.71	1.50	1.39	1.08	0.96	+ 6	−22	+14	+21	+48	+ 5	+42	+53	−25	+35	2	−0.42
87912	17 57 30.38	+48 17 44.2	7.77	H	269.376 600 55	+48.295 597 82		3.47	0.15	2.36	0.59	0.54	0.62	0.68	0.61	+ 1	−23	− 5	− 2	+ 7	+11	+ 6	+12	+ 4	+ 8	1	0.62
87913	17 57 31.30	+54 39 56.0	7.37	H	269.380 425 30	+54.665 555 21		2.54	−14.12	−17.97	0.56	0.61	0.63	0.60	0.77	− 2	− 7	− 7	+26	− 1	−25	− 1	+35	−18	− 3	0	−0.67
87914 H	17 57 31.62	−57 39 50.1	8.19	2 H	269.381 748 95	−57.663 910 76	A	23.18	55.04	−128.22	2.12	1.55	2.33	2.16	1.54	+ 6	−35	−11	−14	−31	+20	−37	−20	+29	+28	1	1.60
87915	17 57 31.84	+33 50 49.9	7.84	H	269.382 651 38	+33.847 202 31		0.52	14.04	1.19	0.53	0.63	0.74	0.55	0.71	+ 2	−13	− 8	+ 6	+ 7	−17	+ 8	+26	− 7	− 2	1	−0.63
87916	17 57 33.82	−50 07 05.2	10.19	H	269.390 907 79	−50.118 117 65		0.94	−0.03	−0.10	1.83	1.19	2.24	2.20	1.33	−28	−28	+ 1	+24	−27	+11	−21	−16	+22	− 4	6	1.41
87917	17 57 33.95	+29 28 05.0	8.50	H	269.391 458 27	+29.468 063 32		4.43	−10.94	−3.94	0.63	0.76	0.95	0.73	0.82	+ 9	−13	−17	−13	+12	+ 0	+10	+21	− 3	+11	2	−1.22
87918	17 57 34.30	−19 53 22.4	8.67	H	269.392 925 47	−19.889 554 44		1.70	−1.89	−7.18	1.30	0.63	1.36	1.51	0.72	+24	−50	−17	+26	+14	− 8	+14	−17	− 1	+29	0	−0.64
87919	17 57 34.38	−25 04 56.5	8.61	H	269.393 256 88	−25.082 368 06		6.50	−3.59	−3.06	1.04	0.52	1.09	1.11	0.53	+26	−37	−12	+23	+ 9	− 3	− 7	−42	+17	+ 9	0	1.30
87920 H	17 57 34.77	+27 59 32.0	8.82	G	269.394 872 75	+27.992 216 06	A	5.08	11.93	−43.41	1.55	1.80	2.19	1.78	1.95	+12	+ 5	+ 3	+ 6	+11	+ 3	+11	+11	+11	+18	0	−0.09
87921	17 57 35.75	−11 32 00.8	8.37	H	269.398 976 10	−11.533 557 73		11.69	−123.40	−39.02	1.16	0.62	1.23	1.15	0.71	−12	−44	− 5	+20	+ 1	− 4	− 5	−15	+ 3	−31	0	0.49
87922	17 57 38.66	−40 33 27.1	11.44	3 H	269.411 067 20	−40.557 541 44		1.04	−8.75	−7.54	3.09	1.56	3.22	3.78	1.51	+24	−18	− 2	+20	−40	+ 0	−35	−28	+ 7	+20	4	2.15
87923 H	17 57 40.75	−35 58 20.0	9.38	H	269.419 805 57	−35.972 221 23	A	7.11	9.92	−7.25	2.87	1.95	2.62	3.90	1.75	+ 1	−45	+ 5	+24	+16	− 8	− 6	−55	+15	−19	0	0.02
87924	17 57 40.92	−39 06 06.3	6.65	H	269.420 519 23	−39.101 747 44		6.29	−5.78	−23.22	0.81	0.42	0.90	1.12	0.43	−12	−23	+19	+35	−40	−12	−20	+ 0	+ 1	+24	0	0.57
87925 H	17 57 40.96	−21 43 09.5	9.99	G	269.420 671 85	−21.719 300 29	A	33.65	24.22	−161.52	6.27	3.60	3.77	3.97	2.31	−18	−18	−23	−26	+33	−30	+16	−51	+14	−42	1	0.69
87926	17 57 41.68	−76 10 40.6	6.08	H	269.423 675 75	−76.177 946 09		5.48	1.16	−1.34	0.37	0.42	0.54	0.45	0.46	− 3	−14	− 5	+ 7	−16	+ 1	−13	+ 0	−16	−21	0	1.54
87927	17 57 42.07	−02 41 03.6	9.36	H	269.425 303 65	−02.684 325 60		0.11	3.78	−12.04	1.31	0.96	1.53	1.35	0.99	+15	−33	−23	+ 6	− 7	+20	+ 0	− 7	− 6	+ 7	0	−0.75
87928	17 57 42.74	−56 53 46.4	6.26	H	269.428 075 33	−56.896 223 35		2.51	−2.49	−11.71	0.66	0.46	0.71	0.74	0.49	− 6	−32	− 8	+10	−37	+ 4	−35	− 3	+ 6	−14	0	2.45
87929	17 57 43.90	−22 14 01.3	8.97	H	269.432 915 26	−22.233 701 65		0.46	−5.13	−10.00	1.51	0.95	1.50	1.58	0.95	−32	−35	−12	−35	+50	−16	+43	−73	+ 4	−41	0	0.95
87930 H	17 57 44.10	+28 15 13.1	8.24	G	269.433 745 31	+28.253 645 02	A	4.54	−1.12	−12.81	1.02	1.15	1.40	1.20	1.19	+ 8	+10	+ 0	+12	+ 8	− 7	+ 2	+26	−11	+ 8	2	−0.53
87931	17 57 44.74	−83 14 07.5	7.20	H	269.436 419 48	−83.235 405 36		9.13	5.69	−92.04	0.51	0.54	0.68	0.58	0.64	− 5	−16	− 6	+12	− 9	− 6	−11	+10	+10	+ 0	2	−0.77
87932 H	17 57 45.65	+02 52 48.2	8.20	H	269.440 200 97	+02.880 054 82	*	1.31	−4.58	−10.92	3.13	3.27	1.43	1.40	0.98	+24	−30	+12	+12	+15	+ 9	+12	+16	−15	+17	1	−0.99
87933	17 57 45.83	+29 14 52.5	3.70	1 G	269.440 961 06	+29.247 925 27		24.12	82.33	−18.73	0.37	0.40	0.52	0.43	0.43	− 1	−13	− 3	− 5	+11	− 1	+ 8	+21	− 2	+ 6	0	0.20
87934	17 57 46.13	+20 20 45.1	7.44	H	269.442 206 49	+20.345 860 84		4.20	−18.50	8.99	0.62	0.63	0.95	0.62	0.65	+ 4	−25	+ 8	+ 8	+34	− 2	+36	+10	−12	+ 5	0	−0.10
87935	17 57 46.42	−01 45 54.2	8.21	H	269.443 430 50	−01.765 066 03		1.57	−6.45	12.75	1.13	0.74	1.17	1.20	0.88	− 8	−32	− 4	−26	+16	−19	+20	−29	−16	− 2	0	0.00
87936	17 57 47.81	−41 42 58.5	4.88	1 H	269.449 193 85	−41.716 258 42		5.96	−1.71	−15.14	0.63	0.37	0.71	0.75	0.36	+ 5	−23	+ 9	+19	−25	−20	−23	−14	+ 8	+ 1	0	0.46
87937	17 57 48.97	+04 40 05.8	9.54	G	269.454 023 05	+04.668 288 15		549.01	−797.84	10326.93	1.33	1.08	1.58	1.61	1.29	+10	−16	−19	−29	− 5	+15	− 1	−26	−10	+21	0	0.59
87938	17 57 50.98	+46 35 14.1	11.79	G	269.462 411 05	+46.587 241 54		73.75	−17.74	575.75	1.70	1.60	1.84	2.16	1.82	+ 7	− 7	+ 3	+14	+ 8	−17	+ 9	− 9	+ 6	+16	5	1.02
87939	17 57 51.00	+02 15 12.8	6.95	H	269.462 507 48	+02.253 551 10		5.03	0.28	1.84	0.68	0.51	0.82	0.88	0.63	+ 1	−28	−10	+ 8	+ 2	+26	+ 1	+ 2	+13	+ 3	0	0.81
87940	17 57 53.91	−24 16 08.2	9.70	G	269.474 617 28	−24.268 948 10		−1.95	−0.06	−8.99	1.36	0.82	1.43	1.54	0.85	+39	−34	−23	− 8	−12	−15	−28	−55	+19	+12	2	1.83
87941	17 57 54.11	+38 05 02.7	8.10	H	269.475 461 98	+38.084 081 01		5.08	−2.41	−9.05	0.66	0.65	0.78	0.79	0.76	+ 3	−10	− 9	+33	+10	−22	+11	+13	−18	+13	0	−0.47
87942	17 57 55.90	−22 58 32.9	9.21	G	269.482 925 91	−22.975 801 30		−1.14	0.76	−3.95	1.47	0.94	1.46	1.86	0.98	−32	−19	− 7	−24	+42	− 3	+39	−60	+ 8	−25	0	−1.25
87943	17 57 56.55	+17 24 18.0	8.91	H	269.485 641 58	+17.404 989 98		3.81	3.62	5.90	0.90	0.85	1.35	1.12	1.05	+22	−18	−23	+23	+40	− 7	+38	+14	− 6	−11	0	0.93
87944	17 57 56.57	+43 25 01.6	6.83	H	269.485 720 10	+43.417 116 08		5.90	−12.41	1.77	0.48	0.44	0.52	0.56	0.50	− 1	− 6	−10	−21	+12	−16	+ 8	− 3	+ 4	+ 7	1	−0.74
87945 H	17 57 56.75	−36 00 28.5	6.76	H	269.486 448 75	−36.007 910 79	A	7.75	9.90	−9.45	1.21	0.85	1.25	1.76	0.88	+15	−10	−16	+21	− 3	− 1	− 9	−49	+26	− 6	1	1.48
87946	17 57 56.93	+04 14 52.0	10.64	H	269.487 200 59	+04.247 784 34		2.69	−2.20	3.92	2.13	1.58	2.48	2.58	1.88	+15	−21	−12	−14	+ 0	+ 5	+ 2	− 4	−18	+34	0	−0.41
87947	17 57 57.57	−44 47 32.0	8.27	H	269.489 890 75	−44.792 218 10		12.42	−17.08	−56.15	1.16	0.51	1.16	1.25	0.50	− 9	−21	− 2	+51	−43	+ 1	−47	−19	+20	−17	0	−0.02
87948 H	17 57 57.80	−39 08 11.3	6.28	G	269.490 823 75	−39.136 466 88	A	6.35	−8.62	−23.20	1.05	0.58	1.06	1.31	0.57	− 3	−32	+16	+27	−36	−15	−18	− 9	+ 4	+32	3	−0.44
87949	17 57 57.92	−09 47 45.6	10.14	H	269.491 332 04	−09.796 007 19		5.23	−71.22	−70.27	1.72	1.10	1.82	2.42	1.34	+24	−24	−13	− 6	+ 1	−19	− 2	−20	+ 0	+25	0	0.32
87950	17 57 59.72	−48 17 26.4	8.15	H	269.498 818 01	−48.290 675 58		2.10	−4.30	−12.63	0.86	0.57	1.11	1.14	0.64	−31	−10	− 3	+19	−35	+17	−27	−13	+17	−13	0	−0.63
87951	17 58 01.00	+50 19 27.3	8.46	H	269.504 157 10	+50.324 253 60		2.68	−8.73	8.42	0.72	0.61	0.70	0.94	0.72	+16	−21	− 7	+21	+13	− 5	+16	+ 5	− 7	+33	0	−0.74
87952	17 58 01.27	+42 00 07.3	7.85	H	269.505 306 64	+42.002 029 00		2.38	−21.48	−1.11	0.53	0.53	0.62	0.56	0.65	+ 0	− 5	−13	+ 3	+ 4	− 8	+ 4	− 9	+ 5	+ 5	1	0.88
87953	17 58 02.60	−59 42 03.6	8.72	H	269.510 835 91	−59.700 997 71		5.06	−2.21	−14.89	0.87	0.62	1.13	0.98	0.64	+10	−17	+ 3	−23	+13	+13	+ 8	−22	+13	+31	0	−1.48
87954	17 58 03.18	+02 43 11.9	7.03	1 H	269.513 267 11	+02.719 959 90		0.71	0.71	−3.26	0.77	0.56	0.90	0.84	0.66	+ 4	−45	−10	+ 7	+ 4	+20	+ 7	+12	− 3	+11	2	1.69
87955	17 58 04.12	+24 32 37.3	8.96	H	269.517 148 58	+24.543 696 15		1.20	−1.70	−6.36	0.54	0.82	1.12	0.70	0.95	+ 8	− 8	−23	+20	+11	− 7	+ 8	− 2	+16	+ 7	0	0.66
87956	17 58 04.97	−30 24 13.7	9.50	G	269.520 720 44	−30.403 792 99		−0.60	−0.29	−1.58	2.07	1.15	2.25	2.56	1.18	+14	−28	−18	+24	+28	−27	− 2	−55	+26	−22	0	−0.14
87957	17 58 05.02	−45 27 23.0	7.78	H	269.520 925 04	−45.456 386 34		5.30	2.35	−13.53	0.92	0.48	1.03	1.04	0.48	−14	−25	− 6	+35	−32	− 6	−33	−16	+27	−15	2	−1.06
87958	17 58 05.03	+32 38 53.3	6.66	2 T	269.520 946 92	+32.648 130 81		16.25	−34.42	−28.43	0.44	0.46	0.61	0.49	0.48	+ 5	−16	−15	+ 3	+17	−30	+11	+ 9	+ 5	+10	0	−0.42
87959	17 58 05.18	+21 19 22.9	8.01	1 H	269.521 588 97	+21.323 023 50		−0.62	6.95	−8.44	0.61	0.69	1.05	0.82	0.85	− 7	−15	+ 2	−23	+30	+11	+26	+16	−18	+ 1	0	−1.40
*87960 H	17 58 05.37	+52 13 06.0	7.43	H	269.522 386 85	+52.218 336 14	A	10.40	11.46	−20.53	0.78	0.78	0.74	0.79	0.91	+ 9	− 1	− 4	+36	+18	+ 1	+16	+32	−24	− 4	1	0.94
*87961	17 58 05.32	+71 59 10.8	10.82	G	269.522 171 64	+71.986 325 03		21.70	111.95	−318.71	1.24	1.28	1.30	1.35	1.74	+ 5	−27	−11	−26	+ 9	+ 0	+10	−16	+ 1	+ 7	2	0.47
87962	17 58 06.38	−43 24 22.0	11.29	H	269.526 599 05	−43.406 116 61		3.92	−11.39	17.14	2.43	1.26	2.73	3.04	1.35	+ 9	−32	−12	+19	−17	−12	−30	−37	+34	−12	0	−0.30
87963	17 58 06.62	−59 34 49.3	9.30	H	269.527 589 66	−59.580 347 63		6.21	−9.10	−31.18	1.09	0.77	1.34	1.24	0.78	+ 2	−19	+ 3	−37	+12	+12	+ 7	−32	+ 7	+24	0	−0.14
87964	17 58 06.95	−46 11 55.9	9.93	H	269.528 972 15	−46.198 855 38		−0.18	6.10	−13.72	1.79	0.99	2.10	2.29	1.04	− 2	−26	− 6	+20	−36	+ 6	−32	−26	+29	+ 4	0	0.88
87965	17 58 06.99	+15 08 21.2	7.24	2 H	269.529 143 17	+15.139 235 52		10.17	−23.63	74.25	0.63	0.59	0.84	0.69	0.64	−20	− 9	− 8	+ 2	+38	− 8	+37	+ 7	− 1	−24	0	−0.44
87966	17 58 07.88	−31 32 23.7	9.24	H	269.532 847 42	−31.539 913 51		8.93	1.79	−13.26	1.30	0.69	1.39	1.68	0.73	+ 3	−37	−23	+27	+29	−16	+ 3	−56	+26	−22	0	−0.69
87967	17 58 07.93	−18 15 28.4	9.95	H	269.533 051 29	−18.257 878 50		4.44	−7.15	−11.74	1.76	1.07	1.99	2.33	1.25	− 5	−19	−11	+ 1	+18	−19	+13	−23	+16	− 3	0	−1.29
87968	17 58 09.37	−81 27 11.2	7.30	H	269.539 025 70	−81.453 122 67		14.32	−7.95	−118.19	0.54	0.51	0.68	0.55	0.58	− 4	−37	− 4	+ 6	−10	− 5	− 9	+12	− 1	−12	0	0.02
87969	17 58 10.04	−62 09 30.5	8.78	H	269.541 826 61	−62.158 477 31		3.45	−3.36	−35.05	0.90	0.73	1.14	1.08	0.79	+10	−14	−11	−12	− 7	+14	− 5	−35	+18	+22	0	−2.23
87970 H	17 58 10.34	+27 23 50.6	7.56	H	269.543 077 61	+27.397 402 53	A	3.40	9.74	11.01	0.98	1.05	1.32	1.14	1.07	− 3	−11	+16	+ 1	+ 7	+ 2	+ 5	+30	−13	+ 6	5	1.77
87971	17 58 10.50	+40 06 43.5	8.93	H	269.543 758 48	+40.112 080 73		7.34	−3.89	−26.68	0.70	0.77	0.85	0.71	0.86	+ 8	− 9	− 3	− 4	+ 5	− 1	+ 5	+16	− 1	+10	1	−0.10
87972	17 58 10.81	−02 09 11.5	8.93	H	269.545 021 51	−02.153 207 81		7.71	−4.46	−24.56	1.16	0.79	1.23	1.20	0.87	− 2	−35	− 6	+13	+ 2	− 8	+ 6	− 2	− 6	+16	0	0.58
87973	17 58 10.88	−37 20 15.1	7.65	H	269.545 322 22	−37.337 531 69		8.25	−9.16	−42.96	0.99	0.72	1.21	1.43	0.87	− 3	−21	−43	+16	+27	−19	− 3	−65	+52	−34	0	−0.68
87974	17 58 15.75	+03 55 42.6	9.00	1 H	269.565 623 59	+03.928 508 27		3.35	0.07	− 7.28	1.15	0.75	1.27	1.28	0.92	+10	−37	− 2	−14	+ 6	+13	+11	− 3	−17	+31	0	0.60
87975	17 58 15.95	−18 10 24.0	9.24	H	269.566 465 89	−18.173 340 77		4.07	6.59	−17.03	1.38	0.81	1.51	1.79	0.89	−15	−21	−19	+ 9	+ 8	−12	+ 3	−29	+12	−21	0	−0.23
87976	17 58 16.48	+10 10 15.4	8.35	H	269.568 650 95	+10.170 938 78		7.11	−6.06	2.34	0.81	0.74	1.07	1.00	0.88	−12	+ 8	+ 0	− 8	+30	− 9	+24	+ 9	− 1	+28	0	0.07
87977	17 58 16.57	−41 23 18.7	10.09	H	269.569 057 40	−41.388 516 44		−1.49	2.45	− 2.31	1.61	0.87	1.80	2.10	0.84	+ 8	−28	+16	+12	−43	−17	−32	−36	+ 7	+19	0	−0.21
87978 H	17 58 17.84	−38 10 23.9	8.76	H	269.574 333 42	−38.173 300 50	A	7.55	9.39	−11.79	2.79	1.45	2.57	3.56	1.32	+30	−25	− 8	+21	−46	+ 8	−26	−47	+31	+44	4	−0.21
87979	17 58 18.09	−58 54 33.9	8.98	H	269.575 392 71	−58.909 417 73		0.72	−2.22	−13.21	1.04	0.77	1.35	1.19	0.79	+ 0	−11	+ 4	−20	+17	+ 7	+13	−25	+18	+20	0	−2.69
87980 H	17 58 19.11	−50 09 39.6	9.30	H	269.579 628 48	−50.161 010 63	*	2.12	−16.07	2.62	1.23	0.84	1.56	1.50	0.93	−25	−22	− 3	+22	−31	+ 9	−24	−17	+18	− 7	2	−0.86
87981	17 58 19.58	−23 42 07.5	8.58	H	269.581 576 86	−23.702 082 28		3.26	18.40	−13.93	1.12	0.66	1.22	1.19	0.65	− 5	−39	−15	− 1	+22	−14	+20	−40	− 2	− 4	0	−0.27
87982	17 58 19.97	+27 59 20.8	8.77	H	269.583 213 50	+27.989 097 26		6.07	1.14	−27.85	0.63	0.71	0.95	0.80	0.81	+ 7	− 5	− 8	− 9	+ 4	− 5	+ 4	+12	− 1	+ 3	0	0.26
87983	17 58 20.53	+14 30 38.3	7.38	H	269.585 530 67	+14.510 631 81		5.97	12.08	−18.63	0.59	0.52	0.82	0.71	0.64	− 5	−15	− 6	+ 4	+29	+18	+36	+25	−29	−27	0	−0.56
87984	17 58 21.64	+55 06 48.8	8.54	H	269.590 153 07	+55.113 569 02		10.20	55.27	21.92	0.69	0.75	0.75	0.75	0.95	+ 8	−14	+ 0	+19	+ 7	−12	+12	+34	−11	− 2	0	−0.51
87985	17 58 22.44	−32 54 34.8	8.61	H	269.593 520 82	−32.909 676 30		0.85	−9.39	2.03	1.31	0.80	1.28	1.82	0.86	+35	−30	−22	− 4	−25	+ 0	−36	−70	+27	+17	0	−0.19
87986	17 58 22.84	+14 36 50.9	8.41	H	269.595 174 44	+14.614 130 43	A	0.36	14.22	5.50	1.27	1.21	1.64	1.35	1.37	+24	−33	−13	+15	+41	+ 6	+50	+47	−33	+ 4	1	0.47
87987 H	17 58 23.09	+35 24 27.9	9.36	H	269.596 187 85	+35.407 747 45	A	6.56	−6.50	15.98	1.27	1.27	1.43	1.32	1.34	+ 3	−18	− 5	+29	+ 8	−14	+11	+19	−21	+12	0	0.29
87988 H	17 58 24.16	−55 09 46.3	8.18	H	269.600 681 08	−55.162 859 94	A	4.16	−2.52	−13.00	2.48	1.88	2.49	2.66	1.71	−29	−19	+ 2	+25	−33	−20	−31	+ 2	+16	−23	0	0.93
*87989	17 58 24.44	+07 30 12.5	10.27	H	269.601 835 00	+07.503 460 42		2.45	6.19	17.98	1.36	1.19	1.68	1.59	1.32	−15	−18	−21	−28	+23	− 2	+21	−18	− 2	− 4	0	−0.19
*87990	17 58 24.43	−52 00 03.6	11.57	H	269.601 802 26	−52.001 002 88		−2.60	−5.64	− 7.98	2.39	1.65	2.86	2.84	1.82	−29	−32	− 7	+15	−14	− 8	−18	−18	+14	−41	0	−1.32
87991 H	17 58 24.46	+04 27 41.8	9.80	G	269.601 907 14	+04.461 612 67	*	24.32	−63.49	−58.51	2.92	2.24	2.28	2.46	1.93	+17	−14	− 5	−20	− 4	− 8	− 2	−14	−27	+23	1	1.19
87992	17 58 25.75	+36 52 28.7	7.33	H	269.607 306 59	+36.874 629 06		8.06	−89.56	73.26	0.52	0.59	0.66	0.57	0.74	+ 4	− 1	− 4	+20	+ 4	+ 3	+ 6	+34	−15	− 4	0	−0.53
87993	17 58 25.82	−35 04 00.0	8.21	H	269.607 600 35	−35.066 658 74		3.31	−39.12	−31.81	1.06	0.60	1.11	1.35	0.66	+20	−26	−18	+19	− 1	− 3	−19	−54	+32	− 2	0	−1.64
87994	17 58 27.22	+01 06 05.2	11.25	2 G	269.613 427 14	+01.101 433 79		−1.90	−13.17	11.24	2.82	1.90	2.89	2.94	2.02	+50	−43	−29	− 7	−13	+15	− 4	−15	−11	+40	0	−0.57
87995	17 58 27.28	−57 47 34.0	8.95	H	269.613 667 76	−57.792 770 22		7.19	26.80	−1.20	1.14	0.81	1.32	1.33	0.90	−12	−34	+ 1	− 4	−31	+14	−32	+ 2	+18	− 2	0	0.84
87996	17 58 27.97	−44 58 38.5	8.70	H	269.616 539 41	−44.977 364 40		12.03	−14.73	−118.60	1.19	0.56	1.26	1.27	0.56	− 1	−32	− 7	+43	−34	− 5	−42	−19	+29	−14	0	−2.38
87997	17 58 28.95	+75 38 25.4	9.02	H	269.620 638 13	+75.640 394 57		1.80	−0.82	15.13	0.71	0.78	0.76	0.78	0.92	+13	−17	+13	−19	− 2	− 6

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
87901	9.449	0.019	8.774	0.017		0.625	0.021	T	0.69	0.02	L	8.8060	0.0017	0.011	69		8.78	8.84					1							
87902	8.845	0.012	7.684	0.008		0.997	0.011	T	0.98	0.01	L	7.7460	0.0009	0.012	146		7.72	7.77		D	17574+3540	I 1	1							S
87903	10.314	0.041	9.626	0.038		0.572	0.020	G	0.64	0.02	H	9.6668	0.0028	0.022	104		9.64	9.70		C			1							G
87904	9.061	0.014	8.492	0.014		0.532	0.018	T	0.60	0.02	L	8.5124	0.0017	0.014	111		8.49	8.54					1							
87905	9.969	0.018	8.799	0.012		1.004	0.017	T	0.98	0.01	L	8.8640	0.0021	0.020	175		8.83	8.90		C			1							
87906	9.200	0.014	8.657	0.013		0.509	0.017	T	0.58	0.02	L	8.6964	0.0017	0.017	116		8.67	8.73					1							S
87907	10.001	0.034	9.452	0.033	A	0.625	0.126	G	0.59	0.05	L *	9.4629	0.0027	0.024	120	*	9.42	9.51			17574+5111	I 1	2 C	A						
87908	10.400	0.032	8.698	0.014		1.448	0.029	T	3.03	0.05	O	8.3169	0.0092	0.110	136		8.20	8.52		U 2			1							P
87909	8.041	0.007	6.992	0.005		0.911	0.006	T	0.91	0.00	L	7.0464	0.0007	0.008	144		7.03	7.06					1							S
87910	6.493	0.004	6.350	0.004		0.130	0.005	T	0.14	0.01	L	6.3810	0.0008	0.007	112		6.37	6.39					1							S
87911	8.967	0.014	8.460	0.014	*	0.476	0.018	T	0.55	0.02	L *	8.5030	0.0014	0.011	103	*	8.49	8.53		D	17575+1058	I 1	2 C	A	BA	250	0.241	0.005	0.02	0.09	
87912	9.406	0.016	7.888	0.009		1.276	0.014	T	1.24	0.01	L	7.9252	0.0012	0.012	129		7.91	7.95		C			1							S
87913	9.321	0.015	7.523	0.007		1.497	0.013	T	1.52	0.02	L	7.4926	0.0015	0.011	101		7.48	7.52					1							S
87914	9.028	0.018	8.186	0.015	*	0.740	0.018	T	0.79	0.01	L *	8.3270	0.0019	0.023	95	*	8.29	8.38		U 2	17575−5740	I 1	2 C	A	AB	33	2.901	0.005	0.70	0.02	
87915	9.427	0.017	7.969	0.009		1.229	0.015	T	1.19	0.01	L	8.0019	0.0014	0.016	145		7.98	8.03					1							
87916	10.807	0.047	10.248	0.045		0.523	0.058	T	0.60	0.06	L	10.3006	0.0041	0.035	100		10.24	10.35		C			1							G
87917	10.018	0.028	8.648	0.016		1.160	0.025	T	1.12	0.02	L	8.6703	0.0015	0.020	157		8.64	8.71					1							
87918	10.407	0.035	8.844	0.017		1.311	0.031	T	1.27	0.04	L	8.8301	0.0021	0.014	83		8.80	8.85					1							
87919	8.945	0.013	8.626	0.014		0.305	0.020	G	0.35	0.03	H	8.6817	0.0014	0.013	110		8.66	8.71					1							
87920	9.433	0.019	8.922	0.018	A	0.470	0.015	G	0.54	0.02	H *	8.9108	0.0019	0.023	149	*	8.86	8.95		D	17576+2800	I 1	2 C	D	AB	293	4.739	0.018	2.45	0.14	D
87921	9.111	0.019	8.451	0.017		0.651	0.015	G	0.71	0.01	H	8.5067	0.0023	0.014	70		8.49	8.54					1							
87922											T	11.5212	0.0628	0.403	114		10.86	11.95	0.49	P 1 A			1	S						G
87923	10.187	0.049	9.601	0.049	*	0.547	0.061	T	0.62	0.06	L *	9.5025	0.0025	0.018	68	*	9.45	9.53		D	17577−3558	H 1	2 C	A	AB	205	0.534	0.016	2.26	0.07	G
87924	6.656	0.004	6.654	0.005		0.007	0.006	T	0.03	0.01	L	6.6650	0.0005	0.006	130		6.65	6.67		C			1							S
87925						1.282	0.005	G	1.46	0.01	I *	10.1012	0.0027	0.023	88	*	10.05	10.14		D	17577−2143	H 1	2 C	C	AB	297	0.350	0.076	2.47	0.44	G
87926	7.641	0.006	6.202	0.003		1.205	0.005	G	1.16	0.01	H	6.2422	0.0006	0.007	163		6.23	6.26			17577−7611	I 1	1							S
87927	11.585	0.102	9.605	0.032		1.641	0.085	T	1.66	0.09	L	9.4684	0.0032	0.026	74		9.43	9.52					1							
87928	6.168	0.004	6.245	0.004		−0.066	0.005	T	−0.04	0.01	L	6.2445	0.0009	0.006	88		6.23	6.25					1							S
87929	11.726	0.112	9.210	0.022		2.071	0.092	T	2.11	0.09	L	9.0446	0.0026	0.023	89		9.02	9.10		R			1	S						
87930	9.524	0.017	8.363	0.011	A	0.979	0.142	G	0.96	0.02	L *	8.3821	0.0018	0.018	147	*	8.35	8.41		D	17577+2815	I 1	2 C	A	AB	205	1.449	0.016	2.36	0.07	
87931	7.592	0.005	7.248	0.006		0.326	0.007	T	0.38	0.01	L	7.2803	0.0011	0.012	141		7.26	7.30					1	G						S
87932	8.496	0.012	8.238	0.014	*	0.246	0.017	T	0.28	0.02	L *	8.2698	0.0017	0.012	70	*	8.24	8.29			17578+0253	H 1	2 C	A	AB	186	0.229	0.026	2.61	0.53	S
87933	4.879	0.003	3.802	0.002		0.935	0.002	G	0.89	0.03	C	3.8533	0.0012	0.014	156		3.84	3.88	120.80	P 1 A			1							S
87934	8.800	0.011	7.553	0.007		1.064	0.010	T	1.03	0.01	L	7.6049	0.0015	0.014	124		7.58	7.63					1							S
87935	10.506	0.045	8.425	0.016		1.722	0.038	T	1.75	0.04	L	8.3069	0.0022	0.015	63		8.28	8.34					1							
87936	7.053	0.006	5.075	0.004		1.617	0.081	G	1.88	0.02	A	4.9672	0.0015	0.014	113		4.94	4.98		U 2			1							S
87937						1.570	0.015	G	2.52	0.06	I	9.4901	0.0048	0.031	71		9.44	9.54			17578+0441	I 1	1							
87938						1.560	0.015	G	2.48	0.06	I	11.7318	0.0053	0.047	120		11.63	11.80					1							D
87939	7.041	0.007	6.952	0.007		0.087	0.009	T	0.10	0.01	L	6.9841	0.0009	0.008	81		6.97	7.00					1							S
87940	10.708	0.054	9.880	0.041		0.849	0.020	G	0.86	0.01	H	9.8428	0.0020	0.014	100		9.81	9.88		C			1							G
87941	9.895	0.022	8.250	0.011		1.376	0.019	T	1.35	0.02	L	8.2474	0.0017	0.014	104		8.22	8.27					1							
87942	11.055	0.059	9.459	0.025		1.573	0.002	G	1.55	0.00	J	9.2917	0.0021	0.018	94		9.27	9.32		C			1							
87943	10.391	0.028	9.052	0.015		1.136	0.025	T	1.10	0.03	L	9.0826	0.0026	0.027	132		9.04	9.13					1							
87944	6.787	0.005	6.824	0.005		−0.029	0.006	T	−0.01	0.01	L	6.8318	0.0008	0.006	115		6.82	6.85		C			1							S
87945	6.866	0.009	6.742	0.011	*	0.120	0.013	T	0.13	0.01	L *	6.8013	0.0017	0.010	75	*	6.78	6.82		D	17579−3600	I 1	2 C	A	AB	17	3.544	0.024	3.31	0.12	S
87946	10.983	0.065	10.595	0.074		1.733	0.017	G	0.15	0.15	H	10.6907	0.0063	0.044	72		10.59	10.77					1	S						G
87947	8.907	0.011	8.325	0.010		0.546	0.011	T	0.62	0.01	L	8.3905	0.0012	0.012	137		8.37	8.41		C			1							
87948	6.317	0.004	6.327	0.005	*	0.007	0.005	G	0.03	0.01	H *	6.2919	0.0006	0.006	134	*	6.28	6.30		D	17580−3908	I 1	2 C	A	AB	137	0.960	0.005	1.65	0.01	S
87949	11.143	0.098	10.217	0.065		0.819	0.087	T	0.84	0.06	L	10.2900	0.0037	0.023	72		10.25	10.33		C			1							G
87950	9.909	0.021	8.275	0.010		1.367	0.018	T	1.34	0.02	L	8.2941	0.0011	0.013	139		8.27	8.31		C			1							
87951	9.677	0.020	8.570	0.014		0.955	0.019	T	0.94	0.01	L	8.6229	0.0013	0.015	110		8.60	8.65		C			1							
87952	9.086	0.013	7.965	0.009		0.965	0.012	T	0.95	0.01	L	8.0171	0.0011	0.011	107		8.00	8.04					1							S
87953	9.158	0.013	8.765	0.014		0.372	0.018	T	0.43	0.02	L	8.8039	0.0015	0.021	135		8.77	8.84					1							
87954	9.365	0.020	7.231	0.008		1.764	0.017	T	1.79	0.02	L	7.1236	0.0025	0.017	73		7.10	7.15		U 2			1							S
87955	9.056	0.010	8.967	0.012		0.087	0.015	T	0.10	0.02	L	8.9921	0.0021	0.022	197		8.94	9.03					1							
87956						2.100	0.495	G	2.09	0.51	J	10.0914	0.0042	0.031	103		10.05	10.15					1							G
87957	8.155	0.008	7.807	0.008		0.330	0.011	T	0.38	0.01	L	7.8623	0.0009	0.012	124		7.84	7.88		C	17581−4527	I 1	1							S
87958	7.162	0.005	6.712	0.004		0.466	0.001	G	0.54	0.00	H	6.7575	0.0043	0.028	133		6.72	6.80	0.44	P 1 A			1							S
87959	10.176	0.025	8.219	0.010		1.623	0.021	T	1.64	0.02	L	8.1177	0.0015	0.017	137		8.09	8.15		U			1							
87960	7.717	0.007	7.434	0.009	*	0.270	0.015	G	0.30	0.02	H *	7.5011	0.0015	0.014	96	*	7.48	7.53		D	17581+5213	I 1	2 C	A	AB	262	9.558	0.009	2.63	0.05	S
87961	12.302	0.168	10.976	0.084		1.110	0.020	G	1.19	0.03	I	11.0071	0.0037	0.030	103		10.95	11.05					1							G
87962											T	11.4291	0.0054	0.050	115		11.33	11.49					1							G
87963	9.676	0.018	9.333	0.019		0.332	0.029	T	0.39	0.04	L	9.3837	0.0022	0.022	127		9.35	9.42					1							
87964	10.474	0.038	9.928	0.035		0.512	0.046	T	0.58	0.05	L	10.0384	0.0033	0.026	107		10.00	10.09		C			1							G
87965	7.985	0.008	7.325	0.009		0.602	0.009	T	0.67	0.01	L	7.3685	0.0016	0.043	130		7.34	7.86	3.99	P 1 A			1	S						S
87966	10.129	0.030	9.326	0.026		0.727	0.030	T	0.78	0.02	L	9.3804	0.0016	0.013	97		9.35	9.40					1	S						
87967	10.875	0.059	10.076	0.047		0.724	0.058	T	0.78	0.04	L	10.0959	0.0039	0.033	84		10.04	10.15		C			1							G
87968	7.789	0.006	7.346	0.007		0.418	0.008	T	0.48	0.01	L	7.3951	0.0009	0.009	135		7.37	7.41					1							S
87969	10.206	0.028	8.878	0.016		1.127	0.025	T	1.09	0.03	L	8.9481	0.0017	0.019	102		8.92	8.99		C			1							
87970	9.179	0.013	7.711	0.007	A	1.200	0.495	G	1.17	0.01	L *	7.7266	0.0014	0.013	156	*	7.70	7.75			17582+2724	I 1	2 C	C	AB	144	5.557	0.043	3.65	0.15	
87971	9.560	0.018	8.978	0.017		0.544	0.022	T	0.62	0.02	L	9.0479	0.0023	0.020	104		9.02	9.09					1							
87972	9.436	0.021	8.961	0.021		0.447	0.027	T	0.52	0.03	L	9.0265	0.0028	0.017	65		9.00	9.06		C			1							
87973	8.125	0.010	7.690	0.010		0.420	0.015	G	0.49	0.02	H	7.7409	0.0015	0.010	78		7.72	7.76		C			1							S
87974	8.978	0.017	9.002	0.023		0.011	0.015	G	0.03	0.01	H	9.0108	0.0041	0.027	68		8.97	9.06		U			1							
87975	11.070	0.066	9.344	0.024		1.440	0.056	T	1.44	0.09	L	9.3790	0.0027	0.021	82		9.34	9.41		C			1							
87976	8.520	0.012	8.369	0.013		0.145	0.017	T	0.16	0.02	L	8.3995	0.0014	0.014	89		8.38	8.43		C			1							S
87977	10.483	0.032	10.116	0.037		0.330	0.020	G	0.38	0.03	H	10.1745	0.0035	0.029	118		10.13	10.22					1							G
87978	9.416	0.020	8.960	0.021	*	0.443	0.023	T	0.51	0.02	L *	8.8630	0.0017	0.017	100	*	8.84	8.90		D	17583−3810	I 1	2 C	A	AB	200	1.097	0.007	1.04	0.03	
87979	11.074	0.055	9.097	0.017		1.639	0.046	T	1.66	0.05	L	9.0903	0.0026	0.019	111		9.06	9.13		C			1							
87980	11.457	0.082	9.465	0.023	*	0.890	0.510	G	1.52	0.10	S *	9.4209	0.0024	0.027	106	*	9.38	9.46		R	17583−5010	H 1	2 C	S C	AB	181	0.151	0.046	1.54	0.85	
87981	9.076	0.015	8.632	0.015		0.431	0.020	G	0.50	0.02	H	8.6738	0.0023	0.018	101		8.65	8.71					1							
87982	9.220	0.014	8.809	0.014		0.380	0.015	G	0.44	0.02	H	8.8548	0.0020	0.019	143		8.83	8.89		C			1							
87983	7.480	0.005	7.389	0.006		0.089	0.007	T	0.10	0.01	L	7.4182	0.0010	0.011	125		7.40	7.43		C			1							S
87984	9.137	0.014	8.607	0.014		0.497	0.018	T	0.57	0.02	L	8.6448	0.0019	0.013	94		8.62	8.67		C			1							
87985	10.727	0.047	8.791	0.017		1.606	0.040	T	1.63	0.04	L	8.7245	0.0017	0.013	92		8.70	8.75		C			1							
87986	9.983	0.021	8.523	0.012	A	1.230	0.019	T	1.19	0.02	L	8.5755	0.0067	0.022	127	A	8.55	8.62			17584+1437	I 1	2 C	A	AB	77	11.930	0.016	2.50	0.07	
87987	9.823	0.018	9.422	0.018	*	0.379	0.023	T	0.44	0.03	L *	9.4488	0.0032	0.027	137	*	9.40	9.49			17584+3524	I 1	2 C	C	AB	154	0.871	0.046	3.66	0.27	
87988	9.537	0.023	8.325	0.014	*	1.036	0.021	T	1.01	0.02	L *	8.3457	0.0018	0.013	86	*	8.32	8.37		D	17584−5510	I 1	2 C	A	AB	199	0.492	0.003	0.46	0.02	
87989	10.875	0.060	10.304	0.064		0.534	0.078	T	0.61	0.08	L	10.3848	0.0036	0.025	81		10.31	10.44		C			1							G
87990											T	11.7138	0.0062	0.048	89		11.64	11.79					1							G
87991	11.429	0.099	10.027	0.047	*	1.188	0.015	G	1.40	0.02	A *	9.9130	0.0021	0.023	77	*	9.85	9.95		D	17584+0428	I 1	2 C	A	AB	344	0.216	0.012	0.72	0.25	G
87992	8.530	0.010	7.446	0.007		0.937	0.009	T	0.93	0.01	L	7.4937	0.0011	0.011	122		7.48	7.51		C			1							S
87993	9.690	0.026	8.356	0.016		1.132	0.024	T	1.10	0.03	L	8.3831	0.0013	0.011	94		8.36	8.40		C			1							
87994						0.570	0.150	G	0.64	0.14	R	11.4361	0.0265	0.127	55		11.21	11.63	0.15	P 1 A			1							G P
87995	10.210	0.026	9.061	0.017		0.987	0.024	T	0.97	0.02	L	9.1175	0.0024	0.016	94		9.09	9.15		C			1							
87996	9.443	0.015	8.772	0.013		0.611	0.015	T	0.68	0.01	L	8.8328	0.0018	0.018	130		8.80	8.87			17585−4458	I 1	1							
87997	10.263	0.027	9.088	0.017		1.008	0.025	T	0.98	0.02	L	9.1865	0.0021	0.017	106		9.15	9.22					1							
87998	4.858	0.002	4.448	0.002	*	0.380	0.004	G	0.51	0.03	C *	4.4885	0.0005	0.006	144	*	4.48	4.50		D	17585+3011	H 1	2 C	A	AB	359	0.446	0.006	2.93	0.03	S
87999	12.384	0.166	10.707	0.055		1.401	0.138	T	1.38	0.17	L	10.8118	0.0048	0.049	165		10.73	10.90		U 2			1	S						G
88000	9.906	0.025	9.194	0.022		0.655	0.027	T	0.72	0.02	L	9.1738	0.0025	0.019	86		9.14	9.21		C			1	S						

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
1 2	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr		19	20	21	22	23	24	25	26	27	28	%	
	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18										29	30
88001	17 58 32.24	−29 08 30.4	9.83	G	269.634 317 24	−29.141 786 96		−1.28	10.54	−9.43	1.70	1.00	1.82	2.46	1.15	+ 3	−23	−12	+19	− 1	+ 9	+ 1	−52	+26	+17	6	2.64
88002	17 58 32.60	−50 35 54.4	8.85	G	269.635 818 79	−50.598 439 11		3.07	0.59	−7.80	1.11	0.74	1.29	1.28	0.79	−35	−24	+ 3	+25	−30	+10	−27	− 6	+ 4	−31	0	−1.20
88003	17 58 33.63	+74 08 36.0	11.30	H	269.640 108 86	+74.143 337 08		4.58	19.56	150.21	1.54	1.68	1.70	1.50	2.22	+ 1	−22	+10	−16	+ 6	− 5	+11	−11	−15	+14	0	1.40
88004	17 58 35.23	−42 29 10.1	8.41	H	269.646 797 03	−42.486 137 94		−1.56	3.11	−0.46	1.01	0.51	1.05	1.30	0.53	− 5	−14	− 7	+42	−31	+ 7	−24	−18	+25	+ 4	0	−0.01
88005	17 58 37.60	+76 32 35.1	10.55	H	269.656 682 30	+76.543 077 94		2.35	−9.17	−10.10	1.04	1.11	1.09	1.04	1.38	+11	−15	− 7	−34	− 3	− 9	− 1	−34	−14	+ 8	0	1.88
88006	17 58 38.06	+44 56 14.7	8.10	G	269.658 581 31	+44.937 419 30		5.15	4.51	16.10	0.60	0.59	0.66	0.66	0.70	+ 1	−10	+ 0	−19	+ 5	+ 6	+ 6	+ 5	+ 0	+ 0	0	−1.30
88007 H	17 58 38.06	+13 53 01.3	9.13	H	269.658 588 45	+13.883 701 73	A	0.60	3.76	−0.03	1.64	1.41	2.20	1.79	1.61	+32	−35	− 9	+17	+46	+ 4	+52	+44	−42	+ 6	1	−0.67
88008	17 58 38.52	+22 08 47.1	9.61	3 H	269.660 482 31	+22.146 407 84		5.42	3.84	−31.88	0.88	1.11	1.56	1.03	1.25	+18	−21	− 5	+33	+24	− 2	+22	+28	− 1	+20	1	0.72
88009	17 58 38.52	−60 40 46.4	7.88	H	269.660 491 40	−60.679 545 10		2.20	2.28	−8.56	0.75	0.54	0.90	0.82	0.55	+11	− 5	+ 8	−16	− 3	+ 8	− 4	−18	+11	+27	0	−0.30
88010 H	17 58 38.73	−13 05 43.2	9.63	G	269.661 359 28	−13.095 340 36	A	11.88	−456.52	−734.01	8.08	3.28	2.21	2.28	1.26	−29	− 5	− 7	−10	+ 9	−37	− 1	−18	+14	−22	1	0.04
88011	17 58 38.84	−08 31 10.8	8.54	H	269.661 832 38	−08.519 677 56		10.03	−35.54	−59.36	1.10	0.78	1.34	1.36	0.93	− 1	−11	−33	−26	+20	−37	+ 6	−36	+33	−50	3	0.38
88012	17 58 39.05	−28 45 32.7	5.99	G	269.662 709 35	−28.759 076 03		2.45	−0.82	−5.21	0.75	0.43	0.76	1.00	0.48	− 2	−24	+ 4	+25	+ 4	+ 9	+ 7	−43	+11	+12	0	1.20
88013	17 58 39.29	+25 00 37.9	8.51	H	269.663 709 62	+25.010 531 43		3.86	−12.31	1.58	0.53	0.73	1.03	0.75	0.88	+ 3	+ 0	− 4	+ 2	+ 7	−18	+ 5	+ 3	+ 5	+20	1	1.88
88014	17 58 39.52	−00 34 54.7	8.46	H	269.664 675 36	−00.581 871 09		2.74	5.25	−5.51	0.98	0.72	1.06	1.02	0.79	+10	−23	−18	−32	− 4	+ 4	− 4	−37	+ 1	− 2	0	0.18
88015	17 58 40.27	+18 54 15.8	9.07	H	269.667 806 25	+18.904 388 94		−0.73	−0.44	−12.44	0.99	0.90	1.44	1.02	0.88	+19	−44	−15	+34	+51	−23	+44	+ 0	− 7	+13	0	−0.56
88016 H	17 58 40.37	−11 52 25.6	8.62	G	269.668 210 25	−11.873 768 90	*	3.07	2.42	2.99	1.25	0.69	1.27	1.64	0.84	−12	−36	− 4	+31	+ 0	+ 3	+ 3	+ 0	+ 3	+ 0	0	−0.66
88017 H	17 58 40.52	+35 37 54.7	7.00	H	269.668 823 46	+35.631 871 68	A	6.12	22.88	7.23	0.65	0.67	0.75	0.65	0.69	− 1	−19	+ 1	+30	+ 3	−23	+ 6	+18	− 4	+ 0	1	−0.48
88018	17 58 41.26	−87 21 52.1	7.66	H	269.671 914 93	−87.364 465 89		5.39	−0.77	−30.76	0.55	0.59	0.68	0.67	0.76	+ 5	− 3	−14	+ 6	+ 4	+11	+ 7	+19	− 5	+ 0	1	−0.30
88019	17 58 42.15	−16 51 26.9	7.32	H	269.675 636 65	−16.857 464 94		10.69	11.82	−23.82	0.91	0.57	1.06	0.99	0.62	− 8	−23	−25	−16	+32	−26	+15	−46	+30	−39	0	0.93
88020	17 58 42.32	+36 17 16.5	6.03	H	269.676 321 68	+36.287 915 91		9.42	6.61	−49.09	0.47	0.46	0.56	0.54	0.54	+ 7	−12	− 1	+33	+11	−20	+13	+20	− 9	+15	0	0.17
88021	17 58 43.01	−46 18 06.5	9.01	H	269.679 193 56	−46.301 809 73		4.96	−2.29	−19.40	1.29	0.72	1.48	1.55	0.76	− 8	−30	− 3	+24	−34	+ 9	−32	− 7	+28	+ 0	0	1.45
88022	17 58 43.19	−33 19 33.3	9.22	H	269.679 973 56	−33.325 922 04		7.89	13.47	−16.54	1.32	0.77	1.32	1.72	0.85	+13	−32	−18	+20	− 5	−10	−26	−57	+28	−17	0	1.15
88023	17 58 45.78	−42 43 48.1	8.14	H	269.690 762 73	−42.730 014 30		1.97	0.68	10.01	1.06	0.54	1.12	1.30	0.55	+ 6	−21	− 7	+29	−29	− 4	−31	−31	+24	− 2	0	1.71
88024	17 58 45.86	−05 25 29.3	7.54	H	269.691 085 46	−05.424 806 10		5.72	−14.34	−21.56	0.72	0.58	0.83	0.84	0.68	− 2	−16	−13	+ 6	+ 5	+ 9	+ 4	−17	+10	− 6	0	−1.42
88025	17 58 46.23	−58 39 21.4	7.50	H	269.692 642 63	−58.655 953 55		5.27	−9.51	−62.80	0.69	0.51	0.91	0.82	0.57	−12	−26	− 3	−10	− 1	+13	− 8	− 5	+26	+ 3	0	−0.09
88026	17 58 47.33	−27 32 41.9	10.54	H	269.697 222 13	−27.544 964 96		3.23	3.80	−1.72	2.32	1.39	2.43	2.60	1.34	+ 1	−37	+14	+ 5	+13	− 7	+ 9	−70	− 6	+ 0	2	1.57
88027	17 58 47.58	−54 34 47.4	8.45	H	269.698 264 35	−54.579 846 65		4.20	−36.50	−13.48	0.98	0.71	1.11	1.14	0.74	−20	−27	+ 6	+20	−35	+ 4	−30	− 1	+ 0	−18	0	1.19
88028	17 58 48.63	+13 29 46.7	10.44	3 H	269.702 614 00	+13.496 294 66		7.68	−14.62	−45.07	1.29	1.19	2.14	1.73	1.56	+10	−17	− 2	+ 9	+30	+ 5	+38	+31	−36	−28	7	−0.69
88029	17 58 50.05	−26 49 41.7	9.05	2 H	269.708 539 90	−26.828 256 99		−0.56	−2.26	−4.40	1.42	0.79	1.53	1.52	0.81	+17	−50	−16	+ 0	+ 7	−12	− 4	−52	+ 9	+ 3	2	2.78
88030	17 58 52.31	+45 28 34.2	6.48	H	269.717 941 93	+45.476 154 89		6.99	0.40	26.98	0.47	0.43	0.51	0.53	0.50	+ 0	−11	−11	+ 0	+ 2	−18	+ 0	+ 4	+ 1	− 1	1	1.13
88031	17 58 52.37	+15 35 54.1	9.89	H	269.718 210 35	+15.598 363 49		−1.17	1.05	−8.56	1.10	1.08	1.55	1.28	1.18	+ 4	−24	−23	+25	+29	−20	+27	+29	−14	− 8	0	3.43
*88032 H	17 58 53.11	−03 30 53.4	9.17	G	269.721 283 48	−03.514 826 38	*	3.34	−1.15	1.62	2.54	1.51	1.69	1.57	1.25	+10	−27	−11	− 9	− 1	+13	+ 4	− 1	−17	+16	1	−0.01
*88033	17 58 53.17	−30 10 13.4	9.34	G	269.721 521 23	−30.170 377 38		25.06	173.92	−657.63	1.97	0.83	1.91	2.10	0.93	+21	−47	− 5	+29	+27	− 5	+19	−36	+ 7	+ 9	6	0.10
*88034	17 58 53.07	−55 24 49.4	9.78	H	269.721 126 75	−55.413 728 57		10.42	−106.46	−137.15	1.50	1.07	1.61	2.05	1.13	−39	− 4	− 1	+26	−31	−23	−29	+ 5	+12	−47	0	−1.50
88035	17 58 54.36	−08 56 25.8	9.13	G	269.726 500 36	−08.940 501 03		−1.54	11.66	−7.05	1.41	0.96	1.92	1.83	1.05	− 9	−16	−56	−25	+39	−47	+10	−49	+40	−55	2	1.98
88036	17 58 54.68	+67 47 37.0	9.27	G	269.727 834 06	+67.793 616 71		0.98	3.58	−10.45	0.74	0.58	0.78	0.85	0.78	+ 5	− 6	−22	− 9	+12	+ 0	+12	−23	+12	− 2	0	0.96
88037	17 58 55.08	+38 45 47.6	9.24	H	269.729 483 81	+38.763 221 50		9.24	−44.40	43.57	0.82	0.91	1.09	0.95	1.02	+ 7	−10	− 6	+ 2	+ 7	−34	+ 6	+ 7	− 3	+ 7	0	0.56
88038	17 58 55.68	−36 51 30.3	5.74	H	269.731 996 96	−36.858 408 55		8.93	12.10	13.51	0.80	0.51	0.87	1.12	0.58	−12	−26	−14	+14	+21	−10	+ 5	−57	+30	−26	0	−1.73
88039	17 58 55.98	−22 23 02.4	8.80	G	269.733 233 24	−22.383 997 43		11.14	−287.44	−137.04	1.61	0.96	1.50	1.81	0.98	−42	−32	− 5	−38	+55	− 6	+49	−64	+ 5	−43	0	−1.20
88040	17 58 57.26	−22 31 03.2	7.00	H	269.738 577 41	−22.517 541 85		−0.18	−2.18	−2.84	1.00	0.64	0.97	1.15	0.65	−40	−24	−15	−35	+50	−14	+44	−64	+ 9	−45	0	−1.62
88041	17 58 57.74	−51 37 29.3	9.64	G	269.740 575 11	−51.624 817 80		21.19	83.34	−204.57	1.48	0.94	1.64	1.65	1.03	−16	−33	−23	+29	−32	+ 4	−38	− 6	+13	−39	0	−0.24
88042	17 58 58.07	−30 20 42.9	9.57	H	269.741 946 73	−30.345 244 18		3.31	−5.31	−25.45	1.74	0.89	1.82	2.06	0.91	+ 3	−42	− 7	+24	+25	−17	+ 4	−56	+15	−17	2	1.27
88043	17 58 58.13	−50 50 21.9	8.92	H	269.742 214 95	−50.839 423 62		7.88	−0.22	−63.08	1.06	0.70	1.24	1.28	0.77	−23	−19	− 1	+22	−33	+ 8	−29	−12	+ 4	−19	0	−0.41
88044	17 58 58.22	−50 33 18.5	10.15	G	269.742 569 69	−50.555 136 41		8.15	42.23	−159.71	1.63	1.10	1.89	1.91	1.16	−30	−15	+ 1	+27	−36	+ 9	−30	−10	+ 1	−20	0	−1.03
88045	17 58 58.84	+08 43 08.4	8.98	H	269.745 147 76	+08.718 992 68		3.11	5.97	1.18	0.96	0.85	1.41	1.03	0.95	−17	−11	−20	− 4	+34	−13	+33	+ 4	−16	+13	0	0.62
88046	17 58 59.95	+49 15 39.7	8.13	H	269.749 772 98	+49.261 036 34		0.85	0.13	3.38	0.69	0.60	0.71	0.78	0.70	+ 6	−23	−20	− 1	+10	− 9	+ 9	+13	− 3	+ 1	0	1.52
*88047 H	17 59 01.63	+02 02 16.2	8.02	H	269.756 803 88	+02.037 832 85	A	5.58	3.82	1.31	1.79	1.43	1.82	1.93	1.42	+32	−27	−11	+ 6	− 3	+12	+ 4	+26	−10	+15	0	0.90
*88048	17 59 01.60	−09 46 24.1	3.32	H	269.756 656 62	−09.773 349 73		21.35	−10.31	−116.12	0.72	0.45	0.79	0.86	0.53	+ 4	−38	−15	+13	− 7	+ 6	− 4	− 4	+ 2	+ 6	0	0.39
88049	17 59 01.86	−25 11 22.4	9.31	H	269.757 762 37	−25.189 556 99		−1.12	0.35	−3.00	1.20	0.65	1.23	1.50	0.70	+28	−26	−13	+28	+ 4	+14	+ 1	−20	+14	+23	0	1.08
88050	17 59 01.98	−06 38 39.7	7.77	H	269.758 245 32	−06.644 349 05		1.80	−1.78	−8.81	1.16	0.72	1.28	1.18	0.83	−12	−54	− 4	+11	− 4	− 4	− 2	−15	+ 2	− 3	0	0.06
88051	17 59 02.12	+30 02 58.4	8.69	H	269.758 834 84	+30.049 568 84	B	0.84	−16.83	3.25	13.73	16.79	6.08	12.71	13.40	+ 3	−13	+ 2	− 7	+ 8	− 3	+ 7	+ 7	−10	+12	7	0.68
88052	17 59 02.73	+12 37 37.5	9.16	H	269.761 395 03	+12.627 078 96		3.72	6.73	5.38	1.46	1.35	2.62	1.90	1.80	− 8	−21	− 7	− 6	+16	+12	+33	+32	−41	−47	0	
88053	17 59 03.00	+63 57 27.6	7.63	H	269.762 487 65	+63.957 660 60		1.13	0.30	−6.73	0.56	0.53	0.57	0.63	0.63	+ 5	−17	+ 9	− 8	+ 8	+ 0	+ 9	− 1	−13	+21	0	1.50
88054	17 59 03.22	+23 49 42.9	7.48	2 H	269.763 401 42	+23.828 595 19		2.21	−3.35	−6.68	0.35	0.57	0.79	0.43	0.67	+ 5	−18	−14	+10	+12	− 3	+ 9	+ 3	+13	+ 7	2	−0.34
88055	17 59 03.62	+30 02 56.0	7.17	G	269.765 089 56	+30.048 888 05	A	1.28	4.72	9.16	1.29	1.39	1.40	1.46	1.41	+ 4	−11	+ 6	+ 2	+ 8	+ 1	+ 8	+14	−10	+ 9	7	0.68
88056	17 59 04.19	+04 57 17.1	8.03	H	269.767 449 01	+04.954 740 54		7.71	−0.48	−12.21	0.89	0.67	1.01	0.92	0.75	+14	−36	−25	−17	+ 0	+16	+ 0	−12	+11	+39	0	0.79
88057 H	17 59 04.61	+32 28 26.3	9.23	H	269.769 194 59	+32.473 975 68	*	8.43	6.25	40.31	1.64	1.54	1.49	1.24	1.21	+ 8	−30	+ 1	+ 3	+ 7	− 3	+ 9	+15	− 3	− 3	1	−0.42
88058	17 59 04.72	−05 02 54.0	7.40	H	269.769 647 79	−05.048 341 89		9.97	39.28	−40.06	0.70	0.55	0.78	0.80	0.66	− 2	−17	− 5	+ 8	+ 5	+ 8	+ 4	−12	+ 6	− 3	0	−0.71
88059	17 59 04.72	−76 58 50.5	9.07	H	269.769 652 17	−76.980 687 12		10.52	−42.76	−47.20	0.63	0.81	0.99	0.66	0.83	+ 1	−17	− 8	+17	−11	− 9	−11	− 2	−19	−14	1	0.96
88060 H	17 59 05.28	−30 15 10.8	5.00	1 G	269.771 999 00	−30.253 004 79	A	3.49	2.51	−8.30	1.20	0.74	1.29	1.37	0.69	+18	−24	− 7	+20	+ 7	−20	− 4	−44	+19	+ 2	2	1.96
88061	17 59 06.65	+47 28 59.9	9.91	H	269.777 712 06	+47.483 295 05		3.69	−4.49	16.80	0.94	0.81	0.96	0.98	0.91	− 2	−17	− 4	− 8	+ 0	+ 3	+ 1	+ 7	− 8	+ 0	1	0.86
88062	17 59 10.54	+64 08 37.9	7.68	H	269.793 910 14	+64.143 874 96	B	15.92	7.78	31.02	13.21	14.34	2.83	9.36	11.94	+ 0	− 7	+ 0	−28	+ 7	− 1	+ 8	− 7	− 7	+ 0	14	1.94
88063	17 59 10.56	−38 34 24.3	6.80	1 H	269.793 990 04	−38.573 421 78		3.03	−6.87	−21.31	0.83	0.45	0.95	1.20	0.46	− 6	−22	+19	+24	−33	−22	−14	−28	+ 5	+20	0	1.15
88064	17 59 10.75	−49 26 00.4	11.06	3 H	269.794 810 93	−49.433 438 54		0.51	−26.24	−8.44	1.73	1.13	2.15	2.29	1.24	−12	−16	− 9	+12	−48	+12	−40	−18	+23	+ 5	4	0.24
88065	17 59 11.27	+13 54 18.1	8.02	1 H	269.796 974 32	+13.905 017 47		−0.72	−0.22	−7.58	0.66	0.63	1.06	0.87	0.86	+15	−26	−20	+ 6	+21	+14	+38	+38	−37	−32	0	−1.19
88066	17 59 11.34	−55 29 52.5	8.83	H	269.797 246 49	−55.497 907 12		9.80	−4.37	−50.86	1.38	0.85	1.38	1.95	1.01	−35	−27	+ 7	+49	−29	−31	−35	+ 7	+21	−50	2	−0.62
88067	17 59 11.49	+18 52 35.9	9.20	2 H	269.797 888 20	+18.876 643 35		1.43	1.40	−7.29	0.96	0.93	1.42	1.09	0.96	+10	−34	−12	+20	+37	−11	+32	+ 0	− 5	+ 5	0	2.17
88068	17 59 11.92	+56 44 53.5	8.79	H	269.799 658 99	+56.748 196 72		3.20	−10.70	−12.05	0.69	0.75	0.76	0.79	0.85	− 1	+19	− 5	+11	+ 4	− 2	+ 3	+17	− 2	+ 1	0	−0.06
88069 H	17 59 13.46	−36 56 19.7	6.92	3 H	269.806 090 20	−36.938 818 59	A	8.70	10.74	−10.41	1.30	1.02	1.40	1.91	1.03	− 8	−15	− 3	+ 1	+18	−12	+ 8	−51	+29	−15	4	0.91
88070	17 59 13.47	+28 14 39.6	8.39	H	269.806 105 43	+28.244 334 57		3.51	11.85	−3.05	0.64	0.70	0.97	0.82	0.82	+ 2	− 1	−10	+ 5	+ 9	− 6	+ 8	+ 8	+ 3	+14	0	0.09
88071	17 59 13.71	+64 08 33.1	7.31	G	269.807 131 68	+64.142 541 11	A	13.71	17.34	14.67	2.31	2.06	1.71	2.28	2.21	− 2	− 7	+ 5	−38	+ 5	− 2	+ 6	−19	−11	+ 0	14	1.94
88072	17 59 15.50	−31 26 31.6	8.53	H	269.814 581 38	−31.442 123 82		12.35	16.28	13.26	1.37	0.67	1.42	1.72	0.72	+ 4	−48	−20	+36	+31	−18	+ 7	−48	+28	−11	0	−0.85
88073	17 59 15.83	−19 32 26.2	9.07	2 H	269.815 940 07	−19.540 622 27		3.37	−12.70	−37.37	1.39	0.74	1.51	1.65	0.82	+26	−43	−19	+17	+16	−25	+ 6	−22	+ 8	+18	0	0.78
88074	17 59 16.19	−25 49 07.8	7.99	G	269.817 441 77	−25.818 829 64		−0.76	−2.98	−5.77	1.00	0.49	0.98	1.19	0.55	+29	−40	−16	+36	+ 3	+13	− 2	−16	+16	+27	0	−0.58
88075	17 59 16.70	−29 00 11.4	9.79	G	269.819 573 07	−29.003 173 32		4.39	−9.57	−19.14	1.66	0.94	1.79	2.42	0.98	+ 0	−16	−12	+16	+20	−17	+18	−67	+23	+ 9	2	1.72
88076	17 59 17.17	+20 27 25.6	7.91	H	269.821 534 76	+20.457 111 48		2.64	8.51	−9.10	0.60	0.60	0.87	0.59	0.66	+14	−23	− 6	+13	+37	+ 4	+40	+20	− 8	+ 4	0	0.80
88077	17 59 17.91	+20 16 45.7	9.57	H	269.824 644 96	+20.279 353 91		0.19	−4.80	−13.43	1.02	1.03	1.50	1.01	1.13	+ 8	−26	+ 1	+ 7	+34	+ 5	+37	+13	− 8	− 2	0	−0.35
*88078 H	17 59 18.09	−06 51 21.2	8.08	H	269.825 381 38	−06.855 902 10	A	3.22	−0.47	−8.41	2.44	1.78	2.22	2.97	1.96	+29	− 8	+ 1	−25	−22	−32	−24	−25	+ 3	+38	4	−0.44
*88079	17 59 18.06	+49 02 08.4	11.57	G	269.825 267 04	+49.035 655 17		19.77	14.96	345.02	1.82	1.61	1.90	2.14	1.93	+11	−27	−17	+ 4	+ 4	− 6	+ 5	+17	− 9	+ 3	0	1.44
88080	17 59 18.51	+12 05 08.9	7.94	H	269.827 124 70	+12.085 812 45		8.31	−13.51	20.37	0.68	0.69	1.03	0.77	0.73	+ 7	− 3	− 2	+ 0	+41	+ 7	+47	+49	−18	−15	0	−1.92
88081	17 59 20.30	−37 52 52.6	9.42	3 H	269.834 602 35	−37.881 267 45		0.85	−2.52	−1.84	1.53	1.00	1.91	2.20	1.14	+15	−30	−46	+12	+11	−24	−21	−71	+55	−21	0	−1.80
88082	17 59 21.16	−77 49 26.2	6.74	1 H	269.838 167 12	−77.823 953 29		6.37	21.81	8.19	0.43	0.48	0.62	0.41	0.49	− 4	−27	−13	−11	− 6	+ 5	− 1	− 4	−13	−21	1	−0.11
88083	17 59 22.72	+26 29 13.7	9.11	H	269.844 671 36	+26.487 125 43		0.16	2.02	−5.65	0.75	0.94	1.30	1.07	1.10	+ 3	+ 5	− 5	− 4	+15	−23	+13	− 4	+15	+12	0	0.60
88084	17 59 26.28	+08 13 47.1	9.19	G	269.859 480 51	+08.229 753 82		18.09	7.77	211.46	0.97	0.89	1.40	1.00	0.92	−29	−16	−21	−14	+30	−13	+27	− 4	+ 5	− 9	0	1.21
88085	17 59 26.31	−22 28 00.8	7.47	H	269.859 625 43	−22.466 901 93		0.38	−0.77	−2.24	1.09	0.70	1.02	1.22	0.70	−46	−25	−11	−39	+53	−14	+48	−66	+ 7	−50	2	−0.19
88086	17 59 26.47	+55 41 15.6	9.31	H	269.860 294 34	+55.687 662 35		6.00	8.44	−17.48	0.90	0.82	0.93	1.05	1.08	+12	+20	− 2	+ 0	+ 7	−24	+ 9	+19	+ 4	+ 6	0	1.67
88087 H	17 59 26.87	−47 46 26.3	7.91	H	269.861 969 44	−47.773 969 45	A	2.81	6.67	−19.92	1.50	0.99	1.65	1.72	1.06	−13	−17	+ 8	+17	−35	− 3	−39	+12	+15	− 6	2	0.47
88088	17 59 27.07	+06 25 08.3	7.21	H	269.862 783 88	+06.418 979 08		9.30	9.99	−11.96	0.86	0.67	1.01	0.97	0.78	+26	−45	−34	−21	− 5	+15	−11	−20	+21	+39	0	−0.64
88089	17 59 28.11	+44 43 05.3	8.06	H	269.867 104 31	+44.718 136 91		3.80	−15.19	4.02	0.62	0.61	0.69	0.71	0.74	+ 2	−13	−12	−14	+ 6	+ 4	+ 8	− 4	− 1	−12	0	−1.16
88090	17 59 28.40	−13 01 53.4	8.48	H	269.868 341 83	−13.031 495 44		3.82	4.53	−3.56	1.12	0.68	1.26	1.20	0.73	+11	−27	−11	−13	− 9	−27	−16	−29	+ 7	−21	0	2.18
88091	17 59 28.55	−47 34 06.5	10.02	H	269.868 970 32	−47.568 465 55		5.05	6.85	−13.33	1.31	0.85	1.72	1.70	0.92	−21	−24	+17	+18	−33	+ 1	−27	− 6	+22	+ 4	5	0.50
88092	17 59 28.68	+16 37 43.2	8.77	H	269.869 507 67	+16.628 675 61		5.01	−13.92	−7.63	1.02	0.88	1.37	1.23	0.90	+22	−27	−23	+37	+57	−35	+48	+19	− 5	+ 3	1	1.25
88093	17 59 29.73	+30 43 40.0	7.44	H	269.873 888 19	+30.727 770 59		4.41	29.42	13.86	0.46	0.55	0.69	0.53	0.62	+ 9	− 9	− 7	+19	+ 3	−20	+ 2	+14	− 1	+ 7	0	0.25
*88094	17 59 31.71	+00 01 15.3	8.76	H	269.882 106 57	+00.020 914 17	A	7.71	11.79	−8.08	1.73	1.28	1.77	1.60	1.25	+13	−17	−10	−14	+ 0	+23	+ 4	− 7	− 2	+10	1	0.83
*88095	17 59 31.70	−21 02 44.3	7.89	H	269.882 073 71	−21.045 638 48		3.12	6.40	−4.79	0.92	0.56	1.02	0.98	0.58	−10	−33	−10	− 8	+17	−17	+11	−36	+ 0	−31	0	−1.15
88096	17 59 31.76	+41 43 57.3	8.43	G	269.882 320 43	+41.732 593 91		13.15	−16.27	−8.74	0.60	0.58	0.69	0.63	0.68	+ 7	− 3	− 3	+ 2	+13	− 4	+13	+ 6	+11	+15	0	−0.41
88097	17 59 33.23	+79 48 27.5	8.31	H	269.888 467 69	+79.807 625 08		3.24	−8.27	−2.69	0.66	0.71	0.71	0.68	0.90	+22

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
88001						1.090	0.057	G	1.05	0.06	I	9.8289	0.0019	0.022	114		9.79	9.86		C			1 S							G
88002	9.351	0.016	8.938	0.017		0.407	0.002	G	0.47	0.00	H	8.9610	0.0012	0.013	110		8.94	8.99					1							
88003											T	11.4355	0.0064	0.049	92		11.33	11.51					1							G
88004	8.385	0.008	8.413	0.011		−0.002	0.004	G	0.02	0.00	H	8.4221	0.0018	0.015	123		8.40	8.45		C			1							
88005	11.237	0.072	10.636	0.064		0.552	0.072	G	0.62	0.07	R	10.6693	0.0023	0.024	94		10.63	10.71		C			1							G
88006	8.783	0.011	8.168	0.010		0.583	0.015	G	0.65	0.01	H	8.2223	0.0013	0.014	131		8.20	8.25		C			1							S
88007	9.536	0.017	9.183	0.018	*	0.335	0.023	T	0.39	0.03	L *	9.2097	0.0017	0.017	123	*	9.18	9.24		D	17586+1353	I 1	2 C A	AB	77	0.639	0.006	1.51	0.03	
88008	10.703	0.035	9.781	0.025		0.816	0.032	T	0.84	0.02	L	9.7660	0.0038	0.053	153		9.70	9.86		P 1 A			1							G
88009	8.053	0.008	7.891	0.010		0.156	0.012	T	0.17	0.01	L	7.9314	0.0014	0.013	119		7.91	7.96					1							S
88010	10.355	0.032	9.710	0.030	*	0.616	0.033	G	0.68	0.03	H *	9.7511	0.0029	0.020	80	*	9.72	9.79		D	17586−1306	I 1	2 C A	AB	108	0.305	0.018	1.05	0.20	G
88011	9.227	0.018	8.611	0.016		0.609	0.015	G	0.68	0.01	H	8.6676	0.0024	0.016	72		8.64	8.72					1							
88012			5.973	0.006		−0.077	0.012	G	−0.07	0.01	L	5.9788	0.0009	0.009	126		5.96	5.99					1							S
88013	9.085	0.011	8.559	0.010		0.494	0.013	T	0.57	0.01	L	8.6141	0.0020	0.022	196		8.57	8.65					1							S
88014	10.921	0.054	8.717	0.016		1.820	0.045	T	1.85	0.05	L	8.5605	0.0025	0.017	74		8.53	8.59					1							
88015	10.746	0.039	9.208	0.018		1.292	0.034	T	1.25	0.04	L	9.2258	0.0021	0.021	123		9.19	9.26		C			1							
88016	11.008	0.067	8.695	0.018	*	1.227	0.317	G	1.94	0.07	S *	8.5466	0.0028	0.020	68	*	8.52	8.57		R	17587−1152	H 1	2 C S B	AB	167	0.128	0.030	1.80	0.83	
88017	8.196	0.008	7.122	0.006	*	0.930	0.008	T	0.92	0.01	L *	7.1641	0.0010	0.009	145	*	7.15	7.18		D	17587+3538	I 1	2 C A	AB	168	0.741	0.006	2.53	0.03	S
88018	9.382	0.015	7.795	0.008		1.330	0.013	T	1.29	0.01	L	7.8130	0.0013	0.015	127		7.79	7.84					1							S
88019	7.666	0.010	7.360	0.007		0.292	0.013	T	0.33	0.02	L	7.3965	0.0009	0.007	77		7.38	7.41					1							S
88020	7.234	0.005	6.134	0.003		0.949	0.005	T	0.94	0.00	L	6.1939	0.0006	0.006	120		6.18	6.20					1							S
88021	9.454	0.018	9.027	0.019		0.403	0.024	T	0.47	0.03	L	9.0977	0.0027	0.029	98		9.06	9.14					1							
88022	9.779	0.022	9.315	0.024		0.450	0.026	T	0.52	0.03	L	9.3241	0.0022	0.021	100		9.29	9.37					1							
88023	10.087	0.022	8.311	0.010		1.480	0.019	T	1.50	0.03	L	8.2663	0.0016	0.015	126		8.25	8.29					1 S							
88024	8.901	0.014	7.685	0.009		1.039	0.013	T	1.01	0.01	L	7.7114	0.0014	0.011	80		7.69	7.73		C			1							
88025	8.925	0.014	7.632	0.009		1.100	0.013	T	1.06	0.01	L	7.6699	0.0014	0.012	107		7.64	7.69					1							S
88026						1.780	0.235	G	1.76	0.24	J	10.6359	0.0031	0.033	120		10.57	10.68					1 S							G
88027	10.141	0.033	8.577	0.016		1.312	0.029	T	1.27	0.03	L	8.6029	0.0019	0.013	86		8.58	8.62		C			1							
88028	11.273	0.060	10.541	0.051		0.671	0.063	T	0.73	0.05	L	10.5784	0.0228	0.244	141		10.43	11.13	0.34	P 1 A			1 S							G
88029	10.648	0.044	9.213	0.022		1.211	0.039	T	1.17	0.04	L	9.2173	0.0023	0.021	104		9.18	9.25		U			1							
88030	6.399	0.004	6.474	0.005		−0.064	0.006	T	−0.04	0.01	L	6.4694	0.0010	0.009	124		6.46	6.48					1							S
88031	11.527	0.076	9.983	0.031		1.297	0.065	T	1.26	0.07	L	10.0440	0.0027	0.027	123		9.99	10.10					1							G
88032	9.637	0.024	9.251	0.025	*	0.398	0.020	G	0.46	0.02	H *	9.2909	0.0025	0.020	66	*	9.26	9.33		D	17589−0331	H 1	2 C A	AB	349	0.241	0.008	0.83	0.15	
88033	10.384	0.071	9.477	0.057		0.790	0.006	G	0.93	0.02	A	9.4445	0.0025	0.022	120		9.41	9.48					1 G							G
88034	10.614	0.045	9.810	0.036		0.711	0.044	T	0.77	0.04	L	9.9167	0.0029	0.021	79		9.88	9.96		C			1							G
88035	9.699	0.026	9.265	0.027		0.486	0.020	G	0.56	0.02	H	9.2713	0.0023	0.014	68		9.25	9.32					1							
88036	10.973	0.060	9.353	0.024		1.250	0.015	G	1.21	0.01	H	9.4187	0.0022	0.019	108		9.39	9.45		C			1							
88037	10.071	0.025	9.339	0.021		0.671	0.026	T	0.73	0.02	L	9.3824	0.0021	0.023	115		9.33	9.42					1							
88038	6.894	0.005	5.839	0.004		0.915	0.005	T	0.91	0.00	L	5.8982	0.0008	0.005	101		5.89	5.91			17589−3652	I 1	1							S
88039	9.409	0.019	8.878	0.019		0.542	0.024	G	0.62	0.03	H	8.9113	0.0019	0.016	88		8.89	8.94		C			1							
88040	7.270	0.006	7.027	0.007		0.232	0.009	T	0.26	0.01	L	7.0659	0.0014	0.009	90		7.05	7.08					1							S
88041	10.827	0.047	9.693	0.029		0.919	0.002	G	1.00	0.02	A	9.7786	0.0024	0.026	105		9.74	9.83					1							G
88042	12.276	0.224	10.143	0.054		1.730	0.042	G	1.71	0.04	J	9.6743	0.0035	0.030	120		9.62	9.72					1 S							G
88043	9.496	0.018	8.984	0.018		0.491	0.019	T	0.56	0.02	L	9.0256	0.0018	0.016	101		8.99	9.06		C			1							
88044	11.130	0.062	10.135	0.041		0.777	0.020	G	0.82	0.02	H	10.3127	0.0039	0.031	105		10.25	10.36					1							G
88045	10.353	0.028	9.087	0.017		1.079	0.026	T	1.04	0.02	L	9.1449	0.0024	0.020	98		9.11	9.19					1							
88046	9.872	0.020	8.286	0.010		1.330	0.018	T	1.29	0.02	L	8.2822	0.0018	0.018	133		8.25	8.31					1							
88047	8.525	0.021	8.001	0.021	*	0.492	0.027	T	0.56	0.03	L *	8.1283	0.0017	0.015	70	*	8.10	8.15		D	17590+0202	I 1	2 C A	AB	24	3.939	0.006	0.64	0.02	S
88048	4.607	0.004	3.433	0.003		0.987	0.035	G	0.95	0.02	A	3.4871	0.0004	0.004	69		3.48	3.49					1							S
88049	9.746	0.022	9.396	0.025		0.332	0.031	T	0.39	0.04	L	9.3843	0.0017	0.015	101		9.36	9.41					1							G
88050	10.653	0.053	8.122	0.014		2.083	0.044	T	2.12	0.04	L	7.8287	0.0028	0.016	62		7.81	7.86		R			1 S							
88051	8.577	0.015	8.462	0.018	B	0.066	0.020	G	0.05	0.02	L	8.6677	0.0528			B				D	17591+3003	I 2	1 C I A							
88052	9.605	0.013	9.181	0.013		0.401	0.017	T	0.47	0.02	L	9.2548	0.0015	0.018	187		9.22	9.29		C			1 X S							
88053	9.448	0.017	7.766	0.008		1.405	0.015	T	1.38	0.02	L	7.7698	0.0012	0.010	122		7.76	7.79					1							S
88054	9.684	0.012	7.706	0.005		1.640	0.010	T	1.66	0.01	L	7.5919	0.0012	0.018	286		7.56	7.62		U 2			1							S
88055	8.332	0.011	7.248	0.006	A	0.958	0.007	G	0.95	0.01	H	7.3456	0.0188	0.063	151	A	7.21	7.42		D	17591+3003	I 2	1 C P A							S
88056	8.318	0.011	8.056	0.012		0.249	0.015	T	0.28	0.02	L	8.1021	0.0010	0.015	86		8.08	8.13		D			1							S
88057	9.860	0.020	9.331	0.019	*	0.496	0.025	T	0.57	0.03	L *	9.3432	0.0022	0.024	137	*	9.31	9.39		D	17591+3228	I 1	2 C A	AB	121	0.296	0.005	0.67	0.06	
88058	8.105	0.008	7.462	0.008		0.582	0.008	G	0.65	0.01	H	7.5269	0.0010	0.009	80		7.51	7.54		C			1							S
88059	9.701	0.015	9.139	0.014		0.530	0.015	T	0.60	0.02	L	9.1849	0.0023	0.022	155		9.14	9.22					1							
88060	7.043	0.009	5.139	0.005	*	1.654	0.006	G	2.00	0.00	G *	5.0748	0.0015	0.013	118	*	5.06	5.11		U 2	17591−3015	I 1	2 C A	AB	105	5.487	0.009	1.85	0.02	S
88061	10.350	0.028	9.952	0.032		0.377	0.039	T	0.44	0.04	L	9.9930	0.0018	0.027	126		9.94	10.04		D			1							
88062	8.087	0.008	7.602	0.008	B	0.456	0.010	T	0.53	0.01	L	7.7254	0.0685			B				D	17592+6409	I 2	1 C I A							S
88063	8.930	0.012	6.988	0.005		1.646	0.011	T	1.89	0.03	O	6.8901	0.0011	0.013	122		6.87	6.92		M			1							S
88064	11.059	0.063	10.703	0.073		0.337	0.090	T	0.39	0.12	L	11.1400	0.0565	0.472	107		10.02	11.36	0.45	P 1 A			1							G
88065	8.032	0.007	8.020	0.008		0.016	0.010	T	0.04	0.01	L	8.0346	0.0014	0.015	121		8.02	8.07		M			1							S
88066	9.281	0.018	8.869	0.019		0.389	0.024	T	0.45	0.03	L	8.9195	0.0032	0.020	78		8.89	8.96					1							
88067	11.363	0.071	9.451	0.023		1.621	0.061	T	2.57	0.09	O	9.2141	0.0147	0.140	118		9.04	9.47		U 2			1							P
88068	10.167	0.029	8.904	0.017		1.076	0.026	T	1.04	0.02	L	8.9585	0.0020	0.020	102		8.92	8.98					1							
88069	7.020	0.007	6.891	0.008	*	0.125	0.010	T	0.14	0.01	L *	6.9661	0.0013	0.009	100	*	6.95	7.17	3.28	P 1 A	17592−3656	I 1	2 C A	AB	103	7.553	0.014	2.10	0.03	S
88070	9.805	0.019	8.500	0.011		1.109	0.017	T	1.07	0.02	L	8.5556	0.0015	0.018	153		8.52	8.59					1							
88071	7.739	0.009	7.324	0.008	A	0.435	0.007	G	0.50	0.01	H	7.4350	0.0567	0.133	115	A	7.10	7.53		D	17592+6409	I 2	1 C P A							S
88072	9.086	0.014	8.557	0.014		0.505	0.015	T	0.58	0.02	L	8.6375	0.0018	0.016	111		8.62	8.67					1							
88073	10.065	0.031	9.156	0.023		0.792	0.030	T	0.82	0.02	L	9.2073	0.0071	0.049	85		9.14	9.27	0.69	P 1 A			1							
88074	8.049	0.010	8.019	0.012		0.050	0.015	G	0.06	0.01	H	8.0218	0.0014	0.010	99		8.00	8.04					1							
88075	11.943	0.277	10.503	0.138		1.240	0.041	G	1.20	0.04	H	9.7667	0.0020	0.019	123		9.73	9.80					1 S							G
88076	7.998	0.007	7.917	0.009		0.080	0.011	T	0.09	0.01	L	7.9402	0.0012	0.011	143		7.91	7.96					1							
88077	11.609	0.076	9.782	0.026		1.520	0.064	T	1.56	0.10	L	9.6877	0.0030	0.030	128		9.63	9.73					1							
88078	8.689	0.027	8.132	0.026	*	0.762	0.003	G	0.81	0.00	R *	8.2264	0.0023	0.012	60	*	8.21	8.25		D	17593−0651	I 1	2 C A	AB	344	7.818	0.004	0.42	0.02	
88079						1.495	0.020	G	2.04	0.12	I	11.7265	0.0053	0.058	125		11.54	11.82					1 S							D
88080	8.551	0.009	8.001	0.008		0.543	0.015	G	0.62	0.01	H	8.0566	0.0009	0.012	145		8.03	8.08					1							S
88081	9.617	0.020	9.519	0.028		0.096	0.032	T	0.11	0.04	L	9.4611	0.0059	0.144	98		9.41	10.24	1.68	P 1 A			1							G
88082	7.904	0.006	6.829	0.004		0.931	0.005	T	0.88	0.02	A	6.8937	0.0012	0.011	161		6.88	6.91		M			1							S
88083	10.854	0.037	9.251	0.016		1.343	0.032	T	1.31	0.04	L	9.2652	0.0021	0.024	144		9.22	9.31					1							
88084	9.947	0.027	9.338	0.025		0.615	0.020	G	0.68	0.02	H	9.3328	0.0025	0.019	86		9.30	9.36					1							
88085	7.598	0.007	7.487	0.011		0.108	0.012	T	0.12	0.01	L	7.5072	0.0013	0.010	90		7.49	7.52					1							S
88086	9.699	0.021	9.352	0.023		0.329	0.029	T	0.38	0.04	L	9.3885	0.0022	0.018	80		9.36	9.43		C			1							
88087	8.895	0.012	8.031	0.010	A	0.100	0.495	G	0.68	0.05	S *	8.0392	0.0020	0.021	148	*	8.01	8.07		R	17594−4746	I 1	2 C A	AB	125	1.531	0.007	1.49	0.03	
88088	7.722	0.009	7.262	0.010		0.434	0.012	T	0.50	0.01	L	7.3057	0.0016	0.008	62		7.29	7.32					1							S
88089	9.328	0.014	8.151	0.010		1.009	0.013	T	0.98	0.01	L	8.2291	0.0013	0.015	120		8.21	8.26		C			1							S
88090	9.031	0.015	8.517	0.015		0.493	0.016	T	0.57	0.02	L	8.5848	0.0020	0.016	76		8.56	8.61					1							
88091	10.549	0.032	9.998	0.031		0.516	0.040	T	0.59	0.04	L	10.1301	0.0025	0.030	131		10.08	10.17					1							G
88092	9.024	0.026	8.798	0.029		0.216	0.037	T	0.24	0.04	L	8.8369	0.0016	0.018	107		8.80	8.88		C			1							
88093	8.804	0.011	7.556	0.007		1.064	0.010	T	1.03	0.01	L	7.6103	0.0012	0.014	161		7.58	7.63					1							
88094	9.996	0.036	8.847	0.023	A	0.987	0.033	T	0.97	0.03	L	8.9201	0.0164	0.020	71	A	8.88	8.95			17595+0001	I 1	2 C C	AB	6	15.625	0.062	3.26	0.32	
88095	9.803	0.022	8.069	0.011		1.446	0.019	T	1.44	0.03	L	8.0260	0.0017	0.013	97		8.01	8.05					1							
88096	9.048	0.014	8.477	0.013		0.556	0.015	G	0.63	0.01	H	8.5461	0.0010	0.013	98		8.53	8.56					1							
88097	9.524	0.018	8.416	0.012		0.955	0.017	T	0.94	0.01	L	8.4695	0.0015	0.013	97		8.44	8.49		C			1							
88098	8.335	0.008	8.325	0.010		0.014	0.012	T	0.03	0.01	L	8.3168	0.0016	0.015	145		8.30	8.34			17596−4044	I 1	1							
88099	9.778	0.030	8.443	0.018		1.160	0.002	G	1.12	0.00	H	8.4969	0.0025	0.019	96		8.47	8.52		C			1							
88100	10.612	0.047	8.416	0.014		1.814	0.039	T	1.84	0.04	L	8.2539	0.0015	0.015	87		8.23	8.28					1							

Number	Descriptor: epoch J1991.25					Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)												Soln	
HIP	RA	Dec	V			α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\mu_{\alpha*}$	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1 %	F2
1 2	h m s 3	±° ′ ″ 4	mag 5 6 7			deg 8	deg 9 10		mas 11	mas/yr 12	13	mas 14	15	mas 16	mas/yr 17	18	19	20	21	22	23	24	25	26	27	28	29	30
88101	17 59 36.76	−04 49 15.3	5.86		G	269.903 186 48	−04.820 911 69		5.90	−2.50	−88.30	0.60	0.47	0.69	0.66	0.55	+ 4	−28	− 1	+ 5	−11	+15	− 8	−15	− 7	+ 8	0	−1.23
88102	17 59 36.87	+71 38 02.8	7.19		H	269.903 609 64	+71.634 113 78		6.74	−4.47	45.15	0.58	0.58	0.61	0.59	0.70	+11	−36	− 9	+ 7	+18	− 6	+23	− 3	−10	+17	0	1.53
88103	17 59 36.88	+43 14 06.7	6.71		H	269.903 682 89	+43.235 193 29		10.34	−5.90	75.50	0.49	0.47	0.56	0.60	0.56	+ 6	− 6	−18	+ 1	+13	−16	+11	−14	+12	+12	0	−0.05
88104	17 59 37.95	−56 15 19.9	7.23		H	269.908 137 28	−56.255 516 89		5.66	−1.62	−3.54	0.89	0.56	0.91	1.20	0.60	+ 0	−20	− 8	−12	−30	−18	−27	− 8	+16	−19	0	0.38
88105 H	17 59 38.09	−67 11 40.7	9.01		H	269.908 688 31	−67.194 644 56	A	6.76	−10.01	−65.33	1.47	1.70	1.95	1.38	1.51	−15	−19	−15	+ 2	+ 0	+23	+ 0	− 3	+25	+10	0	0.74
88106	17 59 38.18	+23 31 37.6	10.03	2	H	269.909 069 56	+23.527 105 84		1.51	1.43	18.03	0.66	1.06	1.46	0.82	1.22	+13	−12	+ 1	+20	+12	+ 2	+11	+20	− 2	+19	1	0.98
88107	17 59 38.41	−66 02 58.1	9.01		H	269.910 033 57	−66.049 477 14		5.83	−0.16	−50.64	0.67	0.85	1.26	0.90	0.95	−15	− 7	−16	+10	+ 0	− 2	+ 7	−22	− 2	+ 8	1	3.08
88108	17 59 40.13	+22 04 14.7	8.36	2	H	269.917 201 48	+22.070 748 51		1.72	−3.95	−5.79	1.15	1.28	1.89	1.39	1.44	+11	− 9	− 5	+21	+21	+ 8	+21	+16	− 2	+20	0	
88109	17 59 40.85	−41 29 13.4	6.51		H	269.920 202 30	−41.487 045 39		0.77	1.65	−4.68	0.72	0.39	0.85	0.87	0.41	− 4	−33	+13	+20	−18	−10	−14	−22	+15	+11	0	1.32
88110	17 59 41.73	+05 42 32.9	8.23		H	269.923 893 87	+05.709 144 86		2.71	20.81	6.91	0.92	0.71	1.04	1.02	0.84	+23	−39	−26	−22	− 9	+14	−14	−23	+21	+45	2	−1.65
88111	17 59 42.57	+14 27 48.7	7.96		H	269.927 368 12	+14.463 535 07		5.82	−0.60	−15.17	0.72	0.70	1.11	0.81	0.84	+ 1	−22	− 8	− 7	+36	+ 6	+46	+34	−31	−22	0	−0.59
88112	17 59 43.03	+39 00 07.0	9.43		G	269.929 294 40	+39.001 951 03		3.25	−1.02	−3.38	0.76	0.86	0.98	0.84	0.94	+ 4	− 6	− 5	+10	− 1	−25	− 2	+15	−11	+ 6	3	−0.37
88113	17 59 44.53	+46 49 17.0	7.97		H	269.935 543 94	+46.821 384 88		3.22	1.70	−5.78	0.57	0.56	0.62	0.69	0.66	+12	−13	− 7	+22	+ 8	− 6	+ 8	+ 5	+ 4	+18	0	0.10
88114	17 59 45.61	+15 18 34.5	8.50		H	269.940 021 87	+15.309 582 00		2.54	−0.31	−3.76	0.77	0.76	1.00	0.81	0.77	+ 0	−15	+ 5	+22	+43	− 3	+41	+31	+ 4	− 5	0	−0.49
88115	17 59 46.12	+38 16 54.6	8.14		H	269.942 174 57	+38.281 820 98		6.19	12.89	18.54	0.63	0.63	0.75	0.75	0.69	+ 3	−14	+ 2	+31	+16	−22	+27	+17	+24	− 4	+12	0	−0.59
88116	17 59 47.56	−23 48 57.6	4.74		H	269.948 153 06	−23.816 011 26		7.47	−5.40	−50.30	0.77	0.53	0.93	0.91	0.55	−11	−27	−45	−20	+38	−23	+16	−52	+33	−48	0	−0.16
88117	17 59 48.23	−12 09 02.9	8.88		H	269.950 946 83	−12.150 808 29		5.93	−1.51	−20.39	1.17	0.71	1.26	1.28	0.79	− 8	−31	+ 2	+10	−17	− 9	−16	−11	− 7	−18	2	0.42
88118	17 59 49.59	−57 46 08.0	12.05	2	H	269.956 620 66	−57.768 897 82		45.99	−33.99	−24.11	15.12	10.76	18.45	18.62	12.90	+ 7	−39	−14	−14	−24	+12	−28	−10	+26	− 3	2	
88119 H	17 59 50.45	+50 39 10.0	9.11		H	269.960 191 07	+50.652 773 46	*	4.83	−19.51	84.95	0.85	0.75	0.86	1.09	0.84	+ 2	−12	+ 0	+12	+12	−13	+13	+ 2	−10	+20	0	1.25
88120	17 59 53.18	−27 37 44.2	8.75		H	269.971 598 63	−27.628 956 05		5.05	−4.48	−10.66	1.29	0.79	1.35	1.84	0.87	+14	−13	+ 3	+14	− 2	+ 7	− 3	−49	+12	+17	4	−2.11
88121	17 59 53.96	−01 09 56.6	8.62		H	269.974 845 77	−01.165 710 73		2.37	3.05	2.81	1.02	0.76	1.15	1.02	0.82	+23	−32	− 6	−17	− 6	− 7	− 2	−31	−13	+23	0	−0.09
88122	17 59 56.20	+45 30 05.3	5.69	1	H	269.984 179 88	+45.501 460 59		5.34	3.89	−34.03	0.45	0.42	0.50	0.52	0.50	+ 6	− 8	− 6	− 1	+ 5	−18	+ 4	+ 0	+ 5	+ 6	3	−0.27
88123	17 59 56.43	−33 24 30.0	7.35	2	H	269.985 115 72	−33.408 320 56		0.91	4.74	−3.43	0.91	0.53	0.92	1.14	0.55	− 1	−23	− 8	+25	+ 9	−11	−10	−59	+15	−25	0	−1.31
88124 H	17 59 57.87	+60 26 42.7	8.12		H	269.991 144 56	+60.445 188 06	A	4.45	−4.59	20.68	1.62	1.41	0.95	1.06	1.06	+23	−15	− 1	+ 6	− 9	+14	− 2	+36	−34	− 5	1	0.26
88125	18 00 00.08	−20 20 22.2	6.22		H	270.000 333 68	−20.339 491 67		3.80	1.83	−23.40	0.80	0.44	0.90	0.81	0.47	+ 0	−44	−10	− 2	− 7	−17	− 9	−19	− 1	−31	0	0.16
88126	18 00 00.82	−22 32 54.2	7.38	1	H	270.003 400 34	−22.548 392 91		3.04	−0.40	−2.34	1.76	1.12	1.74	1.96	1.13	−32	−26	−15	−36	+42	−17	+37	−61	+ 8	−32	0	
88127	18 00 03.37	+80 00 01.9	6.11		H	270.014 022 61	+80.000 524 13	B	19.64	54.58	130.47	10.86	9.85	3.80	7.31	7.16	+10	−18	− 4	+ 1	− 8	+10	− 4	−16	+ 0	+24	18	2.13
88128	18 00 03.42	+16 45 03.4	4.67		G	270.014 252 82	+16.750 944 81		4.97	−7.53	−10.61	0.57	0.52	0.82	0.77	0.63	+21	−27	−31	+18	+46	−23	+42	+17	−14	−13	0	−2.11
88129	18 00 03.85	+50 55 17.9	7.78		H	270.016 062 29	+50.921 633 58		9.79	15.40	−27.24	0.55	0.56	0.60	0.66	0.66	+ 3	+ 0	−10	+ 4	+ 2	+ 2	+ 2	+10	− 8	+11	0	0.04
88130	18 00 04.70	−53 05 54.3	7.41		H	270.019 601 36	−53.098 417 38		5.70	−14.61	−49.32	0.88	0.60	0.94	0.97	0.65	−42	−32	+11	+30	−29	+ 1	−29	+ 2	+ 7	−39	4	−0.64
88131	18 00 06.21	+20 44 30.4	7.42		H	270.025 883 21	+20.741 781 84		11.96	−28.44	−65.92	0.53	0.59	0.92	0.62	0.71	− 6	−12	− 2	− 6	+25	+11	+28	+ 8	−22	−14	0	0.55
88132	18 00 07.32	+06 33 14.2	6.78	1	H	270.030 483 62	+06.553 937 92		6.34	1.72	−5.00	0.80	0.60	0.93	0.82	0.66	+25	−48	−35	−20	− 3	+14	−10	−16	+21	+31	0	0.63
88133	18 00 07.59	+59 31 31.3	8.43		H	270.031 609 62	+59.525 370 26		2.11	0.19	−8.03	0.77	0.66	0.70	0.98	0.78	+24	− 7	− 1	+17	+22	− 9	+20	+32	−10	+37	0	0.45
88134	18 00 08.47	+06 56 11.2	9.32		H	270.035 286 03	+06.936 440 85		1.79	−0.59	− 7.11	1.23	1.00	1.46	1.36	1.14	+14	−36	−29	−34	+ 8	+23	+ 6	−15	+13	+30	0	−0.47
88135	18 00 08.60	−42 24 00.1	9.54		H	270.035 846 41	−42.400 039 22		0.90	−11.80	−16.83	1.75	0.81	1.74	2.00	0.79	+ 2	−25	+11	+41	−35	−10	−35	−26	+20	+ 0	0	0.01
88136	18 00 09.07	+80 00 13.7	5.74		H	270.037 777 81	+80.003 793 94	A	18.84	46.91	124.03	2.10	2.42	1.81	1.95	2.65	+13	−23	− 7	−13	−10	+11	− 7	−20	+ 2	+24	18	2.13
88137	18 00 09.68	−14 47 25.1	8.11		G	270.040 344 14	−14.790 302 45		2.88	4.18	−1.26	0.91	0.56	1.01	0.94	0.61	+ 0	−37	−11	+ 5	− 4	−14	−12	−22	+ 5	−26	2	0.64
88139	18 00 09.75	+05 32 34.3	9.11		H	270.040 623 81	+05.542 864 99		4.11	−4.53	1.91	1.12	0.83	1.27	1.12	0.91	+18	−43	−25	− 7	+ 7	+15	+ 2	− 3	+18	+38	2	0.06
120132	18 00 09.95	−48 20 01.9	12.26		G	270.041 464 03	−48.333 867 42		3.75	4.91	− 5.08	2.56	1.65	3.31	3.21	1.93	−11	−30	− 5	+ 6	−38	+11	−37	−15	+31	+ 2	0	−0.85
88140	18 00 10.63	+80 45 22.6	10.31		H	270.044 283 47	+80.756 290 35		8.25	−20.83	170.77	1.12	1.07	1.22	1.28	1.33	− 5	−37	+ 8	− 7	− 6	+12	− 1	−21	− 7	+12	3	1.22
88141	18 00 10.67	+53 53 36.5	9.22		H	270.044 462 39	+53.893 474 14		5.89	−14.77	−31.51	0.77	0.72	0.79	0.88	0.96	− 3	− 8	− 5	+25	+ 5	− 9	+ 6	+16	−17	− 5	0	1.54
88142	18 00 11.53	−24 17 03.1	6.64		H	270.048 035 88	−24.284 183 85		7.64	25.34	−46.44	0.79	0.47	0.87	0.82	0.47	+10	−41	−22	+ 5	+15	+ 0	+ 7	−29	+ 6	−10	0	−0.34
88143	18 00 12.22	+10 30 58.8	8.45		H	270.050 915 12	+10.516 324 39		1.54	3.83	4.22	0.86	0.91	1.18	1.01	1.04	−20	− 9	+23	−16	+45	+ 5	+30	+12	−14	+42	0	−0.97
88144	18 00 12.64	+08 51 21.6	6.88		H	270.052 662 94	+08.855 999 80		8.14	−25.31	−12.54	0.65	0.62	0.90	0.71	0.72	−29	−18	−22	−16	+26	− 5	+25	+ 9	−16	−17	0	1.05
88145	18 00 12.82	−16 04 00.0	7.63		H	270.053 400 91	−16.066 676 42		2.95	−15.15	− 8.11	0.92	0.57	1.07	0.91	0.60	− 9	−37	−27	− 6	+20	−14	+ 5	−30	+24	−34	4	2.18
88146	18 00 14.54	−59 48 20.1	9.05		H	270.060 592 30	−59.805 586 39		2.00	− 8.08	−24.08	1.04	0.74	1.21	1.27	0.78	+ 0	−10	+ 6	−44	+ 1	+ 9	− 3	−34	+ 6	+19	1	−0.68
88147	18 00 15.07	−37 24 29.4	7.18	2	H	270.062 793 66	−37.408 159 48		1.90	− 1.07	− 7.95	0.82	0.53	0.85	1.15	0.58	−18	−11	+ 5	+13	+18	− 8	+11	−58	+16	−24	0	0.17
88148	18 00 15.66	+00 37 46.2	6.36		G	270.065 256 42	+00.629 487 91		8.26	20.25	− 2.03	0.75	0.54	0.92	0.90	0.62	+ 7	−29	− 1	− 4	+ 7	+35	+10	−18	+ 5	+23	3	1.37
88149	18 00 15.80	+04 22 07.1	4.79	2	T	270.065 823 24	+04.368 646 74		4.82	1.78	−12.95	0.70	0.51	0.78	0.84	0.61	+ 6	−23	−22	−21	− 5	+ 3	− 5	−18	− 4	+32	0	−0.91
88150	18 00 15.94	+63 33 05.1	7.03		H	270.066 432 00	+63.551 403 50		4.82	5.16	14.89	0.54	0.47	0.54	0.57	0.53	+ 6	−21	+ 5	+ 4	+14	− 8	+18	+ 1	−18	+18	0	0.93
88151	18 00 16.13	+28 43 11.1	7.37		H	270.067 191 60	+28.719 742 48		5.65	2.87	− 5.26	0.45	0.52	0.68	0.55	0.59	+ 7	−11	−13	+ 1	+10	− 4	+ 7	+14	+ 9	+ 6	0	−0.40
88152	18 00 16.17	−47 33 13.6	6.70		H	270.067 376 86	−47.553 773 60		6.43	11.12	−22.26	0.66	0.43	0.81	0.78	0.48	−27	−28	− 5	+25	−44	+ 1	−43	+ 9	+23	−15	0	2.44
88153	18 00 16.66	+08 51 40.1	9.16		H	270.069 426 55	+08.861 125 36		6.85	−38.34	26.08	1.10	1.06	1.68	1.19	1.16	−21	−14	−35	−18	+29	−12	+25	+ 8	−22	− 1	0	0.94
88154	18 00 18.48	−39 14 57.5	7.27		H	270.076 999 71	−39.249 311 87		16.69	−34.39	−106.56	0.83	0.43	0.95	1.00	0.40	− 4	−18	+26	+26	−37	−23	−25	−23	− 3	+ 8	0	0.63
88155 H	18 00 18.74	+52 51 15.4	7.72		G	270.078 089 60	+52.854 278 62	A	17.67	21.95	68.95	1.27	1.33	1.14	1.05	1.26	− 4	−11	−10	+40	− 2	+ 6	− 1	+25	−14	−18	4	1.10
88156	18 00 18.89	+36 28 56.3	11.28		H	270.078 690 12	+36.482 298 41		4.12	−28.15	7.34	1.26	1.39	1.63	1.56	1.88	+ 3	−10	−19	+15	− 9	+ 1	− 5	+41	−29	− 7	3	0.83
88157	18 00 19.95	−28 37 14.7	9.26		G	270.083 138 96	−28.620 738 92		1.80	−0.19	2.14	1.43	0.83	1.57	2.00	0.89	− 6	−25	−16	+ 8	+19	− 4	+17	−60	+25	+ 6	0	−1.41
88158	18 00 19.96	−11 15 34.7	9.08		H	270.083 155 57	−11.259 641 11		2.74	9.16	− 4.86	1.26	0.73	1.30	1.54	0.83	+22	−32	−22	+27	+10	+ 9	+10	− 4	+ 1	+16	0	0.80
88159	18 00 20.08	+01 36 37.0	7.82		H	270.083 673 78	+01.610 270 79		0.53	1.91	− 8.57	1.10	0.76	1.15	1.12	0.87	+34	−49	−14	− 2	−14	− 2	− 7	−12	−11	+27	0	−1.56
88160	18 00 20.49	−14 12 28.8	7.96		H	270.085 389 93	−14.208 009 72		0.51	8.55	−14.75	0.99	0.63	1.21	1.25	0.70	+ 8	−18	−27	−13	+ 6	−36	−10	−39	+23	−19	0	0.59
88161	18 00 21.47	−49 55 00.7	7.64		H	270.089 478 03	−49.916 851 98		3.31	4.65	− 5.74	0.85	0.54	1.05	0.95	0.56	−22	−22	− 9	+30	−36	+12	−34	− 4	+19	−16	0	−1.18
88162	18 00 21.84	−58 45 40.6	9.26		H	270.091 017 86	−58.761 290 60		11.09	−39.32	−66.85	1.16	0.90	1.45	1.48	1.03	−13	−21	+ 0	− 1	−16	− 1	−17	+ 8	+16	−15	0	−0.13
88163	18 00 23.06	+57 25 04.8	9.28		H	270.096 102 93	+57.417 994 81		6.42	20.12	14.56	0.78	0.74	0.79	0.79	0.84	− 2	+ 6	+ 3	+ 7	+20	+ 6	+22	− 7	− 7	+ 7	0	0.92
88164	18 00 23.87	−06 36 57.6	8.43		H	270.099 471 10	−06.616 000 36		3.79	4.82	− 2.81	1.17	0.74	1.27	1.40	0.86	+21	−37	−10	−20	−25	+ 9	−20	−37	+ 0	+25	0	0.05
88165	18 00 24.36	−07 56 42.8	9.11		H	270.101 511 28	−07.945 234 14		6.97	−32.91	−41.01	1.20	0.84	1.26	1.33	0.93	−24	−16	−29	−39	+26	−13	+19	−43	+23	−45	0	0.09
88166	18 00 24.49	+14 42 57.4	9.23		G	270.102 031 62	+14.715 938 81		19.84	−469.66	−267.64	1.02	0.99	1.40	1.19	1.02	+ 1	−10	+11	+ 2	+54	− 3	+52	+21	+ 3	− 7	0	−0.02
88167	18 00 24.73	−19 13 51.6	7.89		H	270.103 060 13	−19.231 000 50		0.63	2.57	0.37	1.03	0.62	1.18	1.17	0.68	− 1	−29	−13	− 8	+ 9	−30	+ 0	−31	+13	−21	0	0.18
88169	18 00 26.15	−61 42 01.2	10.08		H	270.108 978 50	−61.700 344 03		28.22	−41.26	−326.52	5.01	4.38	6.25	5.47	4.35	− 1	− 9	− 8	−38	+ 7	+ 0	+ 7	−47	+ 5	+16	0	
88170	18 00 26.65	−64 02 49.5	9.54		H	270.111 030 84	−64.047 072 12		0.18	−1.30	−15.21	0.85	0.83	1.29	1.00	0.81	+27	−32	−14	− 8	−10	+ 7	−13	−27	+ 9	+11	0	−2.34
88171	18 00 26.84	−12 59 17.1	7.45		H	270.111 837 48	−12.988 093 47		0.61	−2.01	−11.20	0.95	0.58	1.05	1.09	0.64	− 8	−22	− 6	− 8	− 4	−23	− 9	−30	+ 2	−25	0	0.14
88172	18 00 27.65	+19 30 20.8	6.42	2	T	270.115 225 56	+19.505 783 65		2.01	5.20	0.80	0.60	0.52	0.77	0.62	0.55	+21	−33	−17	+40	+50	−17	+43	+ 7	+ 4	+11	0	−0.99
88173 H	18 00 28.58	−70 19 12.6	8.58		H	270.119 073 24	−70.320 174 60	*	2.69	0.26	−17.81	0.45	0.76	1.07	0.46	0.90	+ 4	−16	−12	+ 3	−12	+ 7	−10	+10	−11	−10	0	0.34
88174	18 00 28.81	−18 34 44.1	8.29		H	270.120 049 98	−18.578 915 03		1.43	0.80	1.37	1.03	0.61	1.27	1.06	0.65	+16	−49	−42	+ 8	+19	−24	−12	−40	+28	−38	0	1.21
88175	18 00 28.92	−03 41 24.6	4.62		G	270.120 501 78	−03.690 161 12		43.11	154.17	−44.43	0.74	0.46	0.75	0.84	0.52	− 1	−30	−16	+42	+ 0	+20	+ 7	+ 3	− 8	− 3	0	0.52
88176	18 00 29.05	−38 43 51.8	7.76		H	270.121 031 52	−38.731 061 88		3.15	−2.61	−1.15	1.05	0.60	1.19	1.52	0.67	− 6	−33	−10	+18	+ 3	−35	−15	−55	+31	−31	0	−1.05
88177	18 00 29.44	−35 44 48.7	9.02		H	270.122 671 87	−35.746 864 76		−0.21	1.34	− 3.07	1.39	0.76	1.46	2.07	0.84	+ 3	− 9	− 8	+31	+ 2	+ 5	+ 2	−55	+29	+ 9	0	−0.44
88178	18 00 30.52	−54 21 27.1	8.48		H	270.127 174 12	−54.357 521 54		20.62	−31.13	−87.89	1.00	0.76	1.13	1.22	0.82	− 6	−17	+ 4	+ 9	−45	+ 5	−37	−18	−14	− 3	0	0.76
88179	18 00 31.27	+67 04 31.6	9.71		H	270.130 279 90	+67.075 437 97		6.99	−22.06	−30.90	0.76	0.62	0.83	0.68	0.70	− 9	−11	− 7	−38	+13	+ 1	+13	−39	+10	−11	3	−1.80
88180	18 00 31.42	−38 21 26.1	7.80		H	270.130 926 10	−38.357 256 05		4.53	12.73	−12.19	1.01	0.61	1.16	1.61	0.68	−11	−14	−14	+12	+ 7	−24	+ 0	−61	+32	−20	0	0.04
88181	18 00 31.45	+17 06 11.6	7.37	2	H	270.131 039 59	+17.103 228 49		2.84	−13.78	− 7.68	0.65	0.58	0.95	0.80	0.66	+16	−14	−14	+16	+49	−23	+44	+11	+ 6	− 5	0	−1.21
88182	18 00 32.73	−33 54 56.0	8.88	2	H	270.136 361 14	−33.915 555 81		0.67	4.42	3.72	1.38	0.75	1.41	1.83	0.79	+18	−26	−16	+24	+ 5	− 2	−20	−67	+30	− 9	0	−1.73
88183	18 00 33.28	−02 18 21.6	8.86		H	270.138 668 67	−02.306 003 11		4.88	−2.06	− 4.14	1.06	0.83	1.18	0.98	0.86	−16	−36	+15	−15	+ 8	− 4	+11	−28	− 8	− 8	0	−1.44
88184	18 00 34.32	−03 58 46.0	7.93		H	270.143 017 12	−03.979 453 96		3.28	9.81	− 2.72	0.84	0.65	0.95	0.95	0.74	− 3	−17	− 7	+10	−12	+11	− 8	− 9	−19	− 6	6	1.53
88185	18 00 35.13	−63 28 59.2	9.42	2	H	270.146 364 87	−63.483 119 68		1.46	− 2.19	−24.34	0.83	0.81	1.23	0.99	0.85	+ 8	−18	− 9	−22	+ 1	+ 5	− 2	−27	+13	+ 7	0	−1.29
88186	18 00 35.20	−56 21 06.6	9.06		H	270.146 660 18	−56.351 820 44		3.40	− 3.54	17.00	1.32	0.93	1.44	1.76	1.02	+ 1	−21	−15	−14	−34	−11	−27	+ 3	+ 8	−27	0	0.97
88187	18 00 35.53	+17 29 47.5	9.50		H	270.148 053 24	+17.496 530 28		2.47	− 6.13	1.68	0.97	0.94	1.36	1.11	1.11	+18	+ 0	− 3	+27	+50	− 5	+47	+12	+23	+ 6	0	0.48
*88188	18 00 36.11	+68 33 23.4	9.69		H	270.150 455 49	+68.556 507 00		15.46	− 5.57	92.49	1.07	0.84	0.98	1.40	1.01	+ 0	−29	− 9	−50	+ 7	+ 5	+ 6	−25	+ 3	− 6	0	−1.41
*88189	18 00 36.00	+48 24 35.7	8.19		G	270.150 009 34	+48.409 922 77		11.53	33.28	15.37	0.61	0.55	0.64	0.76	0.69	+ 5	−20	−11	+ 0	+ 2	+ 8	+ 2	+ 3	+ 3	+ 5	1	0.63
88190	18 00 36.38	+33 12 49.5	6.01	1	H	270.151 572 80	+33.213 739 28		4.37	− 4.12	−23.61	0.44	0.49	0.59	0.51	0.56	+ 0	− 4	−31	+17	+ 7	− 8	+ 7	+38	−19	+ 7	0	−0.17
88191	18 00 37.66	+25 54 30.6	9.30		H	270.156 933 53	+25.908 504 50		4.24	5.94	8.63	0.75	0.95	1.32	0.90	1.06	+ 7	−20	− 1	+18	− 2	−20	− 2	+ 0	+ 4	+14	0	2.34
*88192	18 00 38.72	+02 55 53.7	3.93		H	270.161 314 66	+02.931 587 59		2.30	0.41	− 8.22	0.68	0.46	0.77	0.77	0.53	− 2	−36	−18	+ 2	+ 6	+20	+10	− 2	+ 3	+ 1	0	0.39
*88193	18 00 38.65	−15 48 08.6	8.68		H	270.161 032 85	−15.802 382 12		0.51	1.41	− 0.86	1.12	0.63	1.21	1.18	0.69	−17	−38	− 4	+ 1	+18	− 2	+11	−30	+ 3	−34	5	1.25
88194	18 00 38.99	+29 34 17.4	7.07		G	270.162 449 23	+29.571 500 83		34.57	−139.38	173.34	0.50	0.55	0.73	0.56	0.60	+ 2	−27	+ 0	− 5	+13	+ 3	+11	+11	+ 0	+ 6	3	−0.48
88195	18 00 39.20	−36 58 00.1	7.93		H	270.163 328 12	−36.966 702 78		2.79	−13.40	− 9.40	1.17	0.67	1.24	1.53	0.73	+ 1	−40	− 8	+11	+ 8	− 6	− 9	−53	+27	−11	0	0.64
88196	18 00 41.11	+24 54 33.0	10.30		H	270.171 275 59	+24.909 172 85		2.41	− 6.73	−18.27	1.64	2.29	3.04	2.08	2.70	+ 1	− 7	− 2	− 6	+13	− 1	+10	+ 2	+11	+15	0	
88197	18 00 41.14	−15 03 50.3	8.97		H	270.171 435 75	−15.063 969 85		−1.14	3.89	− 2.28	1.02	0.64	1.15	1.16	0.73	− 1	−39	−24	+ 9	+ 3	−11	−11	−24	+15	−39	0	0.82
88198 H	18 00 41.15	−30 12 53.2

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
88101	7.877	0.010	6.028	0.004		1.561	0.003	G	1.70	0.05	F	5.9597	0.0010	0.008	81		5.95	5.97					1							S
88102	8.656	0.010	7.320	0.006		1.133	0.009	T	1.10	0.01	L	7.3604	0.0011	0.011	110		7.34	7.38		C			1							S
88103	8.146	0.009	6.845	0.005		1.106	0.008	T	1.07	0.01	L	6.8736	0.0006	0.007	127		6.86	6.89		D			1							S
88104	9.407	0.019	7.433	0.008		1.673	0.017	T	2.08	0.05	O	7.3057	0.0024	0.015	83		7.28	7.33					1							S
88105	9.679	0.016	9.104	0.015	A	0.500	0.495	G	0.58	0.03	L *	9.1174	0.0025	0.021	139	*	9.07	9.17		D	17596−6712	I 1	2 C A	AB	256	2.776	0.026	2.69	0.11	
88106	11.392	0.046	10.132	0.024		1.074	0.041	T	1.04	0.03	L	10.1982	0.0026	0.035	253		10.12	10.25		U			1 S							G
88107	9.504	0.013	9.041	0.013		0.450	0.014	T	0.52	0.01	L	9.1121	0.0016	0.023	171		9.07	9.16		C			1							
88108	8.368	0.008	8.385	0.011		−0.011	0.012	T	0.01	0.01	L	8.3665	0.0023	0.024	156		8.34	8.42		U 2			1 X S							
88109	6.391	0.003	6.493	0.003		−0.088	0.004	T	−0.07	0.01	L	6.4835	0.0007	0.007	137		6.47	6.50		C			1							S
88110	9.993	0.032	8.351	0.015		1.374	0.028	T	1.34	0.03	L	8.3785	0.0018	0.017	75		8.35	8.40		R			1							
88111	8.072	0.008	7.972	0.010		0.097	0.012	T	0.11	0.01	L	7.9959	0.0016	0.013	118		7.97	8.02					1							S
88112	9.485	0.015	9.411	0.019		0.054	0.005	G	0.07	0.00	H	9.4482	0.0018	0.023	118		9.41	9.50					1							
88113	8.255	0.009	7.993	0.010		0.265	0.015	G	0.30	0.02	H	8.0382	0.0012	0.013	132		8.01	8.06		C			1							S
88114	8.597	0.010	8.502	0.012		0.093	0.015	T	0.11	0.02	L	8.5336	0.0024	0.017	124		8.50	8.56					1							
88115	8.584	0.010	8.182	0.010		0.380	0.013	T	0.44	0.01	L	8.2284	0.0013	0.017	112		8.20	8.26					1							S
88116	4.703	0.002	4.729	0.002		−0.030	0.012	G	−0.01	0.02	A	4.7346	0.0006	0.005	84		4.73	4.74					1							S
88117	9.313	0.019	8.905	0.020		0.399	0.023	T	0.46	0.03	L	8.9740	0.0019	0.014	71		8.96	9.00					1							
88118											T	12.1617	0.0175	0.150	90		11.89	12.42		U 2			1 X S							D
88119	10.131	0.031	9.240	0.023	*	0.793	0.029	T	0.82	0.02	L *	9.2574	0.0024	0.021	121	*	9.22	9.30		D	17598+5039	M 1	2 C S A	BA	296	0.179	0.016	0.88	0.41	
88120	10.795	0.069	8.978	0.025		1.512	0.058	T	1.54	0.09	L	8.8743	0.0021	0.014	101		8.84	8.90		C			1							
88121	8.920	0.015	8.672	0.016		0.236	0.021	T	0.26	0.03	L	8.6925	0.0027	0.019	72		8.66	8.73					1							
88122	7.746	0.008	5.871	0.003		1.562	0.004	G	1.69	0.15	K	5.7951	0.0010	0.010	111		5.78	5.81		M			1							S
88123	7.310	0.005	7.351	0.007		−0.035	0.007	T	−0.01	0.01	L	7.3469	0.0027	0.027	125		7.31	7.39		U 2			1							S
88124	8.389	0.009	8.161	0.010	*	0.218	0.012	T	0.24	0.01	L *	8.1872	0.0016	0.015	108	*	8.15	8.22		D	18000+6027	H 1	2 C A	AB	247	0.381	0.018	2.78	0.11	S
88125	8.034	0.008	6.389	0.004		1.405	0.001	G	1.38	0.00	H	6.3646	0.0009	0.008	102		6.35	6.38					1							S
88126	7.412	0.007	7.413	0.010		0.004	0.005	G	0.02	0.01	H	7.3935	0.0024	0.020	94		7.37	7.43		U 2			1 X S							S
88127	6.622	0.004	6.072	0.004	B	0.521	0.004	T	0.59	0.00	L	6.1677	0.0417			B				D	18002+8000	I 2	1 C I A							S
88128	6.280	0.003	4.807	0.002		1.254	0.007	G	1.12	0.03	C	4.8451	0.0006	0.006	116		4.84	4.85					1							S
88129	8.146	0.010	7.828	0.010		0.352	0.001	G	0.41	0.00	H	7.8671	0.0013	0.011	115		7.85	7.88		C			1							S
88130	8.779	0.014	7.536	0.009		1.061	0.013	T	1.03	0.01	L	7.5748	0.0013	0.010	90		7.56	7.59					1							S
88131	7.972	0.007	7.479	0.006		0.464	0.008	T	0.53	0.01	L	7.5253	0.0009	0.013	145		7.50	7.54		C			1							S
88132	6.879	0.006	6.800	0.007		0.078	0.009	T	0.09	0.01	L	6.8149	0.0022	0.014	62		6.79	6.83		U 2			1							S P
88133	8.529	0.011	8.440	0.014		0.087	0.017	T	0.10	0.02	L	8.4691	0.0011	0.017	90		8.45	8.50		C			1							S
88134	11.382	0.102	9.565	0.033		1.512	0.085	T	1.54	0.13	L	9.4397	0.0018	0.020	63		9.41	9.47		D			1							
88135	10.800	0.043	9.635	0.026		1.000	0.039	T	0.98	0.03	L	9.7095	0.0020	0.022	132		9.68	9.74		C			1 S							G
88136	6.274	0.004	5.731	0.004	A	0.516	0.004	T	0.59	0.00	L	5.8580	0.0345	0.174	94	A	5.57	6.01		D	18002+8000	I 2	1 C P A							S
88137	8.195	0.009	8.134	0.011		0.101	0.001	G	0.11	0.00	H	8.1404	0.0016	0.011	83		8.12	8.16		C			1							
88139	9.445	0.021	9.147	0.024		0.283	0.030	T	0.32	0.04	L	9.1858	0.0026	0.016	76		9.15	9.21		C			1							
120132						1.450	0.015	G	2.12	0.02	A	12.1257	0.0073	0.079	115		11.94	12.25					1							D
88140	11.018	0.053	10.207	0.040		0.733	0.051	T	0.78	0.04	L	10.4389	0.0036	0.027	104		10.40	10.48		C			1							G
88141	9.971	0.027	9.323	0.024		0.601	0.031	T	0.67	0.03	L	9.3510	0.0021	0.017	101		9.31	9.38		C			1							
88142	8.041	0.011	6.770	0.006		1.082	0.010	T	1.04	0.01	L	6.8051	0.0007	0.007	96		6.79	6.82					1							S
88143	9.529	0.019	8.554	0.014		0.856	0.018	T	0.87	0.01	L	8.6054	0.0016	0.016	79		8.57	8.63		C			1							
88144	8.076	0.010	6.987	0.006		0.941	0.009	T	0.93	0.01	L	7.0379	0.0013	0.009	102		7.02	7.05		C	18002+0851	I 2	1							S
88145	8.939	0.015	7.753	0.010		1.016	0.014	T	0.99	0.01	L	7.7970	0.0015	0.010	75		7.77	7.81					1							
88146	10.587	0.034	9.200	0.018		1.173	0.030	T	1.13	0.03	L	9.2149	0.0023	0.020	129		9.18	9.25		C			1							
88147	7.126	0.005	7.182	0.007		−0.046	0.008	T	−0.02	0.01	L	7.1735	0.0017	0.021	111		7.15	7.21		U 2 C			1							S
88148	6.548	0.006	6.387	0.005		0.160	0.006	G	0.18	0.01	H	6.4100	0.0010	0.007	63		6.39	6.42		C			1							S
88149	4.656	0.004	4.773	0.006		−0.100	0.006	T	−0.08	0.01	L	4.7437	0.0067	0.063	60		4.61	4.78		U 2 C			1							S
88150	8.431	0.012	7.152	0.006		1.089	0.010	T	1.05	0.01	L	7.1959	0.0012	0.009	110		7.18	7.21		C			1							S
88151	7.443	0.006	7.377	0.005		0.066	0.007	T	0.08	0.01	L	7.4006	0.0012	0.012	156		7.38	7.42					1							S
88152	6.673	0.004	6.694	0.004		−0.017	0.005	T	0.01	0.01	L	6.7031	0.0009	0.008	144		6.69	6.72					1							S
88153	10.505	0.038	9.252	0.021		1.068	0.034	T	1.03	0.03	L	9.3303	0.0026	0.024	98		9.30	9.36		C	18002+0851	I 2	1							S
88154	7.979	0.007	7.343	0.006		0.585	0.007	T	0.66	0.01	L	7.3949	0.0007	0.009	151		7.38	7.41		C			1							S
88155	8.838	0.017	8.136	0.014	A	0.666	0.015	G	0.73	0.01	H *	7.8543	0.0015	0.013	103	*	7.83	7.88		D	18004+5252	I 1	2 C A	AB	268	3.258	0.003	0.98	0.02	S
88156	11.035	0.054	11.065	0.090		−0.023	0.096	T	0.00	0.10	L	11.2832	0.0047	0.033	99		11.23	11.34		C			1							G
88157	9.490	0.051	9.404	0.077		0.219	0.012	G	0.24	0.01	H	9.2676	0.0020	0.015	106		9.24	9.30		C			1							
88158	9.706	0.024	9.150	0.023		0.521	0.030	T	0.59	0.03	L	9.1953	0.0023	0.019	73		9.16	9.24		C			1							
88159	9.048	0.025	7.924	0.018		0.968	0.024	T	0.95	0.02	L	7.9851	0.0018	0.013	65		7.95	8.01					1							
88160	10.149	0.028	8.183	0.011		1.690	0.015	G	1.67	0.01	J	8.0648	0.0012	0.013	86		8.04	8.09					1							
88161	8.327	0.009	7.713	0.008		0.572	0.011	T	0.64	0.01	L	7.7673	0.0013	0.013	123		7.74	7.79		C			1							S
88162	9.962	0.027	9.299	0.024		0.605	0.027	T	0.67	0.02	L	9.3871	0.0029	0.024	82		9.35	9.42					1							
88163	9.747	0.030	9.376	0.033		0.351	0.041	T	0.41	0.04	L	9.3648	0.0020	0.016	95		9.33	9.40		C			1							
88164	8.761	0.016	8.452	0.018		0.294	0.023	T	0.34	0.03	L	8.5023	0.0018	0.014	62		8.48	8.53					1							
88165	9.977	0.031	9.200	0.026		0.731	0.020	G	0.78	0.01	H	9.2579	0.0019	0.016	73		9.22	9.30					1							
88166	10.053	0.026	9.279	0.021		0.690	0.003	G	0.75	0.00	H	9.3674	0.0021	0.023	106		9.33	9.40					1							
88167	10.210	0.031	8.106	0.011		1.740	0.026	T	1.77	0.03	L	7.9931	0.0012	0.013	94		7.97	8.02					1							
88169	11.609	0.091	10.287	0.047		1.090	0.042	G	1.16	0.06	I	10.2089	0.0034	0.026	102		10.17	10.26		D	18004−6142	I 1	1 X S							G
88170	11.588	0.073	9.682	0.022		1.583	0.061	T	1.60	0.06	L	9.6637	0.0023	0.027	156		9.61	9.71					1 S							
88171	7.786	0.009	7.478	0.009		0.293	0.012	T	0.33	0.02	L	7.5235	0.0012	0.009	71		7.51	7.54					1							S
88172	6.343	0.004	6.406	0.004		−0.054	0.005	T	−0.03	0.01	L	6.3982	0.0049	0.027	124		6.38	6.45		U 2 C			1							S
88173	8.731	0.007	8.601	0.008	*	0.118	0.010	T	0.13	0.01	L *	8.6236	0.0012	0.020	289	*	8.59	8.66		D	18005−7019	I 1	2 C S B	AB	323	0.187	0.021	1.48	0.56	
88174	8.465	0.011	8.331	0.013		0.129	0.016	T	0.14	0.02	L	8.3351	0.0014	0.012	85		8.32	8.36		C			1							
88175	5.091	0.003	4.671	0.003		0.390	0.027	G	0.45	0.02	A	4.7088	0.0006	0.004	61		4.70	4.72		C			1							S
88176	8.750	0.010	7.862	0.008		0.791	0.010	T	0.82	0.01	L	7.9099	0.0015	0.013	131		7.89	7.93		C			1							S
88177	10.348	0.029	9.151	0.018		1.025	0.027	T	1.00	0.02	L	9.1848	0.0020	0.020	134		9.15	9.22		C			1							
88178	9.301	0.019	8.559	0.016		0.664	0.019	T	0.73	0.02	L	8.6164	0.0019	0.015	78		8.60	8.64		C			1							
88179	10.365	0.034	9.732	0.030		0.588	0.039	T	0.66	0.04	L	9.8380	0.0020	0.020	121		9.81	9.88		C			1 S							
88180	9.332	0.014	7.953	0.008		1.167	0.013	T	1.13	0.01	L	7.9626	0.0014	0.013	123		7.94	7.99					1							
88181	9.508	0.017	7.593	0.008		1.624	0.015	T	2.30	0.05	O	7.4210	0.0063	0.055	134		7.31	7.52		U 2			1							S
88182	11.365	0.077	9.231	0.019		1.764	0.063	T	1.79	0.07	L	8.9920	0.0026	0.026	120		8.94	9.04		U 2			1 S							
88183	9.147	0.018	8.916	0.021		0.220	0.026	T	0.24	0.03	L	8.9296	0.0025	0.020	70		8.90	8.96		C			1							
88184	10.106	0.038	8.144	0.016		1.627	0.033	T	1.65	0.03	L	8.0348	0.0020	0.014	66		8.01	8.06		C			1							
88185	9.843	0.018	9.433	0.018		0.388	0.024	T	0.45	0.03	L	9.5113	0.0035	0.031	145		9.47	9.58		U			1 S							
88186	10.556	0.039	9.173	0.021		1.170	0.035	T	1.13	0.03	L	9.2292	0.0044	0.020	80		9.18	9.26					1							
88187	10.917	0.043	9.636	0.023		1.090	0.038	T	1.05	0.04	L	9.6673	0.0027	0.028	153		9.60	9.71					1							
88188	10.736	0.055	9.779	0.038		0.829	0.052	T	0.87	0.06	L	9.8241	0.0022	0.021	96		9.78	9.88		C	18006+6833	I 1	1 G							
88189	8.789	0.011	8.255	0.010		0.524	0.015	G	0.60	0.02	H	8.3081	0.0013	0.014	130		8.28	8.33		C			1							S
88190	8.009	0.008	6.187	0.004		1.516	0.007	T	1.55	0.01	L	6.1268	0.0009	0.010	129		6.11	6.14		M			1							S
88191	9.949	0.018	9.373	0.017		0.538	0.022	T	0.61	0.02	L	9.4209	0.0022	0.022	156		9.37	9.46		C			1							
88192	3.971	0.003	3.974	0.003		0.029	0.029	G	0.10	0.02	A	3.9704	0.0008	0.006	69		3.96	3.98			18007+0256	I 1	1							S
88193	8.888	0.016	8.709	0.019		0.190	0.015	G	0.21	0.02	H	8.7434	0.0020	0.015	77		8.72	8.77					1							
88194	7.865	0.007	7.143	0.005		0.635	0.005	G	0.70	0.00	H	7.2002	0.0012	0.011	145		7.18	7.22					1							S
88195	9.604	0.021	8.082	0.011		1.279	0.019	T	1.24	0.02	L	8.0878	0.0017	0.012	110		8.07	8.11					1							
88196	12.184	0.125	10.458	0.038		1.468	0.108	T	1.77	0.21	K	10.3982	0.0034	0.040	183		10.32	10.47					1 X							G
88197	9.020	0.015	8.993	0.020		0.030	0.023	T	0.05	0.02	L	8.9825	0.0017	0.015	94		8.96	9.01		C			1							
88198	11.141	0.095	10.215	0.075	*	0.883	0.005	G	0.93	0.01	H *	9.8457	0.0029	0.028	117	*	9.80	9.89			18007−3013	I 1	2 C S A	AB	195	0.154	0.027	1.11	0.63	G
88199	8.137	0.007	7.720	0.007		0.394	0.009	T	0.46	0.01	L	7.7544	0.0012	0.014	141		7.73	7.78					1							S
88200	9.111	0.012	9.077	0.015	*	0.036	0.018	T	0.05	0.01	L *	9.0834	0.0023	0.024	148	*	9.04	9.14		D	18007+1736	I 1	2 C S A	AB	129	0.151	0.009	0.00	0.39	

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)										Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
88201	18 00 43.59	−13 46 48.7	8.05	G	270.181 639 45	−13.780 201 81	0.79	11.38	−4.76	1.10	0.62	1.21	1.61	0.75	+20	−33	−23	+26	+10	−30	+ 3	−25	+ 9	+22	0	1.43
88202	18 00 43.77	+33 17 36.1	8.91	H	270.182 389 27	+33.293 350 27	2.18	6.76	5.19	0.70	0.79	0.96	0.82	0.98	+15	−16	−27	+19	+12	−14	+12	+32	− 6	− 3	0	1.19
88203 H	18 00 43.94	−66 46 30.2	9.04	H	270.183 065 10	−66.775 044 86	A 4.56	2.73	1.00	1.44	1.58	2.14	1.62	1.71	+ 8	−25	−20	− 1	+ 2	+15	+ 4	− 5	+17	+16	0	−0.29
88204	18 00 44.04	+09 33 50.2	7.01	H	270.183 480 29	+09.563 934 70	8.37	−18.24	28.25	0.65	0.63	0.93	0.76	0.72	−26	+ 0	− 9	− 9	+44	−10	+33	+17	− 7	+26	2	0.60
88205	18 00 44.50	−42 00 44.2	8.41	H	270.185 407 57	−42.012 279 56	8.22	−3.74	29.75	1.09	0.55	1.19	1.26	0.55	− 4	−32	+ 9	+33	−27	−10	−25	−19	+18	+ 1	3	0.55
88206	18 00 46.03	−34 42 27.3	8.69	H	270.191 773 67	−34.707 578 04	4.57	2.83	8.88	1.30	0.68	1.36	1.76	0.74	+ 4	−15	−17	+31	+ 5	− 4	− 6	−56	+33	− 6	0	0.51
88207	18 00 46.50	+65 53 50.3	8.78	H	270.193 730 26	+65.897 303 96	1.68	10.26	−0.02	0.71	0.54	0.74	0.70	0.66	+ 6	−23	+ 4	−12	+10	+ 0	+17	−23	−14	+16	0	−1.11
88208	18 00 46.51	+23 08 54.5	8.45	H	270.193 798 47	+23.148 475 12	4.76	−11.62	7.53	0.52	0.72	1.02	0.66	0.83	+14	− 7	+ 6	+22	+14	+ 0	+13	+26	− 1	+20	0	0.40
88209	18 00 47.05	−84 24 20.7	8.49	H	270.196 026 46	−84.405 739 35	5.05	16.73	6.21	0.61	0.69	0.82	0.69	0.81	− 5	−19	− 7	+23	− 5	−13	− 9	+27	+27	−21	0	−0.80
88210	18 00 48.32	−37 29 51.2	9.06	H	270.201 345 40	−37.497 548 28	2.39	1.93	−9.80	1.31	0.83	1.46	1.92	0.90	−17	−28	− 9	− 8	+21	−13	+ 9	−69	+26	−24	0	−0.83
88211	18 00 48.80	+41 28 47.5	8.11	2 H	270.203 327 95	+41.479 874 03	4.24	2.94	−5.68	0.60	0.64	0.72	0.62	0.72	+ 9	+ 2	+ 3	+ 2	+ 8	− 5	+10	+ 0	+ 6	+14	0	−1.48
88212	18 00 49.81	+53 37 43.7	7.90	H	270.207 529 53	+53.628 811 74	3.10	8.62	4.86	0.61	0.63	0.66	0.69	0.86	+ 1	+ 1	−12	+10	− 5	+11	− 4	+23	+ 0	− 2	0	0.89
88213	18 00 52.86	+06 16 05.9	6.36	H	270.220 243 48	+06.268 311 49	2.17	0.89	−6.98	0.75	0.55	0.87	0.80	0.62	+15	−49	−30	−21	− 4	+18	− 9	−16	+19	+33	2	−0.33
88214	18 00 54.48	+28 31 31.7	8.65	H	270.227 007 91	+28.525 464 23	3.54	2.17	−2.14	0.65	0.72	0.96	0.79	0.82	+ 2	−15	−12	+ 6	+16	− 8	+11	+ 6	+17	+ 4	0	0.80
88215	18 00 57.09	−62 19 23.8	8.53	H	270.237 881 10	−62.323 277 07	5.30	−28.09	−79.97	0.81	0.65	1.03	0.97	0.68	+17	− 6	−10	−14	+ 1	+17	+ 0	−12	+20	+32	0	−1.99
88216	18 00 57.19	−02 34 43.8	7.53	H	270.238 274 08	−02.578 822 08	5.82	2.71	−38.62	0.92	0.65	1.03	0.82	0.68	−16	−47	+12	− 7	+10	− 1	+12	−26	− 6	−12	0	1.26
88217	18 00 57.30	+15 05 37.7	6.28	H	270.238 758 92	+15.093 791 76	22.20	−50.98	−99.34	0.57	0.53	0.74	0.66	0.55	− 3	−10	+ 7	+18	+47	− 6	+43	+13	+ 2	− 7	0	0.79
*88218	18 00 57.63	+27 48 17.8	9.35	H	270.240 112 21	+27.804 958 23	0.55	5.26	−0.84	0.78	0.91	1.25	1.03	1.18	+16	+ 0	− 9	− 9	+ 2	−13	+ 1	−14	+25	+25	1	0.98
*88219	18 00 57.61	−20 59 17.1	8.49	H	270.240 056 01	−20.988 084 53	4.86	1.51	−12.58	0.97	0.59	1.10	1.03	0.63	− 5	−40	−13	+ 3	+ 8	−21	+ 1	−23	− 3	−37	0	0.24
88220	18 00 57.72	−58 27 31.5	7.96	H	270.240 509 52	−58.458 758 63	5.89	−9.10	−44.59	0.93	0.71	1.07	1.12	0.83	−25	−24	+ 6	+14	−23	+ 4	−25	+16	+15	−18	0	1.32
88221	18 00 57.98	+53 20 52.9	8.84	H	270.241 582 64	+53.348 029 59	0.85	−3.23	2.40	0.77	0.76	0.81	0.86	1.06	− 2	−10	+ 6	− 9	+11	+ 6	+15	+ 6	− 8	−11	3	0.69
88222	18 00 58.02	−51 25 07.7	9.21	H	270.241 752 43	−51.418 803 04	8.27	−21.09	−13.72	1.16	0.78	1.38	1.32	0.77	−29	−24	−16	+33	−41	+15	−36	+11	+ 2	−35	0	1.18
88223	18 00 58.76	−02 02 05.2	9.39	H	270.244 824 77	−02.034 771 33	1.73	0.62	5.76	1.26	0.99	1.40	1.20	1.07	+ 1	−27	+ 6	−12	+10	+ 0	+10	−25	− 4	−12	0	0.39
88224	18 00 59.15	−35 38 18.2	9.55	H	270.246 465 70	−35.638 377 10	7.16	7.59	−4.00	1.47	0.81	1.56	2.20	0.90	+ 5	− 9	−11	+30	+ 2	+ 5	+ 2	−56	+30	+10	0	−0.50
88225	18 01 00.15	+26 17 15.8	8.55	H	270.250 627 72	+26.287 735 41	3.64	−1.04	−4.37	0.61	0.87	1.14	0.76	1.08	− 3	+ 0	−13	−11	+ 2	−21	− 1	+ 3	+ 4	+ 2	0	1.01
88226	18 01 00.49	+68 35 07.6	8.02	H	270.252 032 84	+68.585 439 41	1.66	4.56	1.51	0.66	0.58	0.67	0.74	0.68	+ 3	−15	−20	−20	+ 6	−10	+ 3	− 8	+ 6	+ 2	0	−0.87
88227	18 01 01.80	+11 04 09.5	8.89	G	270.257 488 79	+11.069 308 52	21.73	−36.59	−231.80	0.91	0.94	1.27	1.09	1.18	−11	− 6	− 9	−15	+23	− 5	+16	+ 6	−15	+37	0	−0.92
88228	18 01 01.90	−62 30 28.7	8.01	H	270.257 921 59	−62.507 983 93	2.40	10.50	14.68	0.73	0.58	0.90	0.86	0.59	+ 6	−18	−25	− 5	− 7	+13	− 5	− 6	+11	+12	0	−0.03
88229	18 01 02.38	−06 06 08.1	8.73	H	270.259 904 89	−06.102 243 71	2.15	7.62	−7.90	1.01	0.77	1.21	1.29	0.91	+20	−32	−35	+ 5	− 9	+11	− 5	− 5	+ 3	+ 3	0	−1.14
88230	18 01 02.98	−39 06 20.4	9.23	H	270.262 411 80	−39.105 675 61	9.10	41.08	−55.54	1.62	0.81	1.72	1.86	0.83	+ 6	−47	+ 1	+ 8	−16	−17	−28	−52	+24	−11	4	−0.14
88231	18 01 03.36	−18 06 01.5	9.98	H	270.263 987 86	−18.100 427 75	11.12	29.05	8.19	1.55	0.94	1.66	1.80	1.05	−22	−17	−13	−14	+26	−20	+19	−35	+13	−34	4	0.84
88232	18 01 03.45	+48 27 55.7	7.07	H	270.264 359 81	+48.465 471 04	4.33	−19.11	3.14	0.52	0.48	0.55	0.63	0.59	+ 1	−14	− 9	− 5	+ 2	+10	+ 3	+ 0	+ 2	+ 4	1	0.47
88233	18 01 04.30	−27 44 19.7	9.64	G	270.267 899 80	−27.738 819 44	2.14	3.87	1.04	1.76	1.10	1.96	2.55	1.31	+16	−29	−19	+17	+ 9	+11	+ 1	−56	+35	+21	0	2.23
88234	18 01 04.95	+47 24 11.1	6.87	H	270.270 620 48	+47.403 079 68	6.53	14.83	3.19	0.49	0.48	0.54	0.53	0.59	+ 1	−14	− 8	+ 2	+ 3	+ 1	+ 4	+ 5	− 6	+ 4	0	0.83
88235	18 01 05.93	−19 58 01.6	8.27	H	270.274 712 22	−19.967 124 78	11.07	−84.66	−64.90	1.05	0.61	1.20	1.15	0.66	+ 3	−36	−22	+ 0	− 2	−20	−11	−18	+11	−26	0	1.16
88236	18 01 06.06	−69 14 01.0	8.13	H	270.275 256 14	−69.233 601 13	3.75	−40.44	−16.85	0.47	0.69	1.01	0.49	0.71	+15	−11	+ 2	−13	−29	− 6	−29	−15	− 2	+ 4	0	0.18
88237	18 01 06.45	−78 22 49.3	7.34	H	270.276 871 20	−78.380 358 28	2.96	2.33	11.29	0.51	0.55	0.72	0.52	0.62	−11	−26	− 5	−11	− 2	+12	+ 4	+ 0	−21	−25	0	−1.56
88238	18 01 06.92	−33 03 15.2	9.58	H	270.278 842 81	−33.054 209 41	8.44	−79.45	−23.68	1.41	0.73	1.41	1.65	0.75	+ 3	−35	− 6	+21	+ 2	−11	−14	−62	+20	−15	0	−1.13
88239	18 01 07.16	+45 21 03.1	7.59	G	270.279 848 32	+45.350 859 53	7.02	3.39	23.38	0.53	0.53	0.61	0.62	0.64	+ 9	− 6	−17	+ 4	+ 4	−19	+ 1	−11	+16	+ 8	1	0.74
88240	18 01 07.23	+14 07 12.0	7.77	2 H	270.280 117 70	+14.120 002 64	0.25	3.49	3.88	0.70	0.61	0.99	0.75	0.64	−16	−23	− 3	− 4	+46	− 6	+48	+15	−27	−25	0	−0.37
88241	18 01 07.67	+07 38 05.7	9.37	H	270.281 966 02	+07.634 925 78	5.66	2.19	−66.05	1.33	1.29	1.82	1.38	1.29	+10	−31	−51	−24	+17	+ 2	+ 9	−20	+24	+20	0	0.17
88242	18 01 09.23	+19 14 56.8	10.28	3 T	270.288 443 80	+19.249 111 39	* 0.96	−4.07	−13.57	1.36	1.42	2.25	1.75	1.78	+ 9	−28	−24	+16	+49	−33	+33	−19	+25	−13	0	−0.22
88243	18 01 10.18	+39 01 42.6	8.55	H	270.292 430 38	+39.028 504 42	3.95	2.56	9.37	0.71	0.74	0.87	0.77	0.84	+ 8	−25	+ 0	+17	+ 8	−17	+ 8	+24	− 3	+11	0	−0.49
88244	18 01 10.27	+27 49 29.6	9.75	H	270.292 795 72	+27.824 878 53	1.27	12.91	6.87	0.80	1.00	1.34	1.05	1.30	+ 4	+ 0	− 6	+ 0	− 2	−14	− 2	− 5	+22	+22	0	1.21
88245	18 01 10.52	−42 49 03.5	9.78	H	270.293 820 10	−42.817 625 45	5.92	0.28	−27.77	1.73	0.91	1.86	1.91	0.88	+15	−36	−12	+29	−31	− 4	−35	−15	+21	+ 1	0	−0.09
88246	18 01 11.31	−40 20 07.8	7.78	H	270.297 130 36	−40.335 504 16	2.39	2.82	−6.64	1.07	0.49	1.15	1.21	0.46	+12	−36	+ 8	+17	−51	− 7	−41	−36	+13	+27	0	0.47
88247	18 01 11.87	−35 19 44.8	8.74	H	270.299 440 09	−35.329 099 06	3.04	3.13	−5.52	1.16	0.62	1.26	1.64	0.68	+ 2	−17	− 7	+23	+ 3	− 1	+ 2	−57	+28	+ 7	0	−1.94
88248	18 01 12.32	−73 40 47.3	8.97	H	270.301 333 31	−73.679 812 35	5.11	−0.16	−19.00	0.66	0.89	1.22	0.66	1.03	+ 3	−13	−13	− 9	−21	−10	−18	+10	−19	−21	1	1.61
88249	18 01 12.80	+21 41 42.2	8.97	H	270.303 333 91	+21.695 052 94	1.47	2.56	6.56	0.65	0.75	1.14	0.92	0.93	+ 9	−18	−17	+16	+11	− 1	+ 9	+22	+ 6	+ 7	1	−0.47
88250	18 01 14.56	+56 58 03.4	7.44	H	270.310 662 95	+56.967 608 51	4.30	6.78	13.74	0.57	0.61	0.61	0.64	0.70	− 3	+ 3	+ 0	+10	+18	+ 5	+20	+ 5	− 2	+11	0	−2.37
88251	18 01 14.61	−61 21 58.1	9.14	H	270.310 886 13	−61.366 127 95	5.11	−5.35	−15.58	0.84	0.69	1.14	0.91	0.70	+ 0	−25	+ 0	−18	+10	+15	+ 6	−12	+ 6	+24	0	0.04
88252	18 01 15.79	−60 46 57.7	8.94	H	270.315 799 73	−60.782 691 86	6.80	−7.60	−99.56	0.80	0.65	1.05	0.92	0.68	+ 9	−11	+ 2	−17	+ 4	+16	+ 1	−10	+ 8	+33	0	0.12
88253	18 01 17.61	+12 06 19.5	9.31	H	270.323 388 20	+12.105 408 92	3.18	−19.07	−25.13	0.94	0.94	1.89	1.27	1.61	+23	−30	− 2	−13	+20	+18	+34	+ 0	−38	− 7	2	0.55
88254	18 01 18.73	+13 08 32.1	9.38	H	270.328 051 31	+13.142 262 36	2.37	−1.00	25.66	0.86	0.83	1.42	0.99	1.01	−10	−32	− 7	+ 4	+18	+12	+34	+40	−40	+ 0	0	0.23
88255	18 01 19.87	+35 31 37.4	8.52	H	270.332 791 34	+35.527 043 06	6.41	10.97	−12.67	0.61	0.73	0.81	0.66	0.87	+ 0	−22	−15	+17	+ 4	−13	+ 5	+33	− 6	−11	0	1.00
88256	18 01 20.13	−24 37 55.8	8.42	H	270.333 864 46	−24.632 175 37	2.79	−0.94	−2.73	1.13	0.65	1.18	1.38	0.68	+17	−28	−15	+21	+27	+ 6	+22	−25	+14	+22	0	1.38
*88257 H	18 01 23.27	+65 56 55.1	7.72	G	270.346 960 50	+65.948 628 83	A 4.38	6.35	36.16	0.94	0.75	0.83	0.86	0.79	− 1	− 9	− 2	−29	+17	− 8	+20	−29	− 4	+20	1	0.71
*88258	18 01 23.12	−17 09 24.7	6.27	H	270.346 343 19	−17.156 852 22	1.76	−1.64	−6.68	0.91	0.64	1.09	1.07	0.71	−27	−15	−44	−17	+42	−31	+22	−51	+42	−51	3	0.11
*88259	18 01 23.20	−31 44 54.0	8.38	1 H	270.346 680 41	−31.748 343 08	5.24	8.42	−21.59	1.15	0.68	1.23	1.39	0.71	+ 8	−25	−14	+ 6	+11	−15	− 5	−64	+24	− 9	0	−2.30
88260	18 01 24.65	+30 38 42.9	7.11	H	270.352 688 78	+30.645 256 99	2.41	8.40	15.21	0.45	0.54	0.69	0.51	0.58	+ 6	− 7	−10	+16	+ 8	−24	+ 7	+ 3	+ 0	+12	0	0.06
88261	18 01 25.50	+22 46 27.6	7.66	H	270.356 264 89	+22.774 332 50	4.78	5.30	24.84	0.52	0.62	0.90	0.66	0.73	+20	− 7	−11	+35	+11	+ 4	+12	+21	+ 0	+24	1	0.93
88262	18 01 26.04	−55 58 27.0	7.70	H	270.358 509 69	−55.974 165 16	5.42	−32.14	−54.04	1.02	0.70	1.05	1.40	0.79	−17	−21	− 2	+ 7	−34	−18	−32	− 3	+17	−35	0	0.70
88263	18 01 28.80	+46 04 20.6	8.59	H	270.369 987 89	+46.072 400 09	2.00	14.06	25.91	0.70	0.67	0.80	0.78	0.79	− 3	− 7	− 4	+ 2	+ 6	−30	+ 6	−12	+15	− 1	0	0.40
88264	18 01 29.31	+24 14 59.8	7.02	H	270.372 115 79	+24.249 956 96	3.19	−5.43	−3.01	0.33	0.51	0.69	0.42	0.56	+ 0	−15	− 5	+13	+13	−11	+10	+ 7	+ 1	− 2	0	−1.90
88265 H	18 01 29.34	+40 19 25.4	7.86	G	270.372 265 43	+40.323 713 12	A 4.30	−3.21	5.51	0.69	0.75	0.75	0.72	0.88	+24	− 5	+ 5	+ 5	+12	+ 2	+14	+30	−18	+23	2	−0.61
88266	18 01 29.51	−40 12 53.4	10.08	H	270.372 952 33	−40.214 829 17	2.71	0.08	−7.77	1.83	0.95	2.07	2.30	0.90	+15	−34	+22	+ 8	−57	−16	−38	−40	+ 3	+43	0	−0.36
88267 H	18 01 30.40	+21 35 44.5	4.26	H	270.376 678 86	+21.595 688 14	A 6.93	7.55	38.79	0.63	0.77	1.02	0.75	0.80	+ 5	−16	− 1	+ 1	+ 7	− 2	+ 6	− 3	+12	+24	6	2.32
88268	18 01 31.23	+00 06 16.6	8.10	H	270.380 134 02	+00.104 605 85	19.30	−5.78	−20.39	0.94	0.69	1.07	0.88	0.74	+ 6	−38	−14	−33	−12	+25	− 3	−32	−14	− 5	5	1.43
88269	18 01 31.65	−54 06 19.8	8.74	H	270.381 879 67	−54.105 501 53	1.63	−0.85	−5.87	1.07	0.81	1.25	1.37	0.89	−17	−18	−11	+19	−42	+19	−35	+ 1	−12	−25	0	1.13
88270	18 01 31.82	−38 04 55.9	6.91	H	270.382 602 23	−38.082 208 11	5.41	6.64	−5.29	0.81	0.50	0.92	1.20	0.56	−14	−17	− 2	+ 9	+ 2	−24	+ 2	−48	+18	−13	0	0.12
88271 H	18 01 32.36	+03 31 27.4	8.36	G	270.384 820 98	+03.524 287 49	A 3.53	0.22	−9.53	1.56	1.23	1.74	1.81	1.38	+15	−25	−26	+ 5	+ 1	+13	− 4	−13	+19	− 6	1	−0.45
88272	18 01 33.19	+11 17 08.7	7.03	1 G	270.388 299 59	+11.285 756 29	14.36	18.11	0.43	0.69	0.62	0.90	0.83	0.78	− 3	− 8	−20	−28	+13	−11	+ 7	− 2	−14	+23	0	0.39
88273	18 01 33.99	+35 02 42.3	9.62	G	270.391 605 90	+35.045 070 58	0.88	4.75	−1.67	0.76	0.78	0.96	1.00	0.97	+11	−22	−12	+ 3	+ 4	+ 1	+ 4	+13	− 4	+11	1	−0.83
88274	18 01 34.21	−85 12 52.1	6.45	H	270.392 538 38	−85.214 476 24	14.91	−4.48	−144.72	0.43	0.47	0.55	0.51	0.62	+ 1	+ 5	+ 5	+15	+ 2	+ 3	+ 3	+15	+11	+ 7	0	1.99
88275	18 01 34.22	+25 29 22.6	7.60	H	270.392 574 62	+25.489 618 95	1.65	0.21	−0.65	0.42	0.54	0.74	0.53	0.65	+ 3	− 6	− 6	+ 5	+ 5	− 9	+ 3	+16	+ 2	+13	0	0.18
88276	18 01 35.17	−30 48 43.1	10.83	H	270.396 554 17	−30.811 981 96	−5.46	8.40	−6.08	3.32	1.54	3.30	4.06	1.60	+31	−43	−24	+33	+ 1	−15	−19	−59	+30	+14	0	1.52
88277	18 01 35.89	+33 18 40.4	6.18	1 H	270.399 534 06	+33.311 218 18	3.37	22.02	19.54	0.45	0.50	0.62	0.52	0.56	+ 6	−10	−23	+17	+17	−16	+14	+12	+ 0	+ 9	0	−1.10
88278	18 01 36.40	+03 30 20.7	7.96	1 H	270.401 678 21	+03.505 760 27	2.94	−0.25	−8.79	0.81	0.64	1.00	0.93	0.75	+ 9	−28	−17	+ 3	+14	+30	+23	− 5	− 3	+14	0	−2.33
88279	18 01 36.64	+42 21 02.0	8.56	H	270.402 669 20	+42.350 551 51	1.32	−0.41	−1.18	0.65	0.67	0.76	0.67	0.79	+ 6	−11	− 4	+ 4	+10	− 9	+10	+ 7	+17	+10	0	−2.17
88280	18 01 37.36	−46 18 32.1	9.39	H	270.405 665 65	−46.308 928 41	4.17	0.17	−22.99	1.28	0.79	1.62	1.77	0.88	−11	− 5	+ 8	− 5	−30	−22	−24	−14	+21	−10	0	−0.36
88281	18 01 39.11	−22 07 54.1	7.53	G	270.412 972 39	−22.131 681 65	1.15	0.73	−2.18	1.01	0.56	1.03	1.17	0.67	−23	−45	+ 2	−11	+22	+12	+20	−32	− 1	−22	0	−1.45
88282	18 01 39.68	−59 55 49.1	8.79	H	270.415 353 98	−59.930 307 15	1.36	7.88	−3.02	0.99	0.69	1.12	1.17	0.71	+ 2	+ 0	− 2	−39	+14	− 2	+ 7	−22	+ 6	+27	0	−0.40
88283	18 01 40.25	+16 43 05.3	7.80	H	270.417 690 90	+16.718 140 35	6.72	−9.87	0.41	0.67	0.62	0.99	0.80	0.74	+ 9	−27	− 2	+ 9	+52	−14	+49	− 1	+ 2	−11	0	0.22
88284 H	18 01 41.17	+40 10 41.8	7.86	H	270.421 556 58	+40.178 278 62	A 5.98	−4.55	14.59	2.24	1.41	1.61	2.64	1.59	+ 4	− 2	+20	−10	+ 8	+ 4	+11	− 4	−11	− 3	6	2.97
88285	18 01 42.57	+04 40 40.3	8.81	H	270.427 370 84	+04.677 852 80	4.14	23.94	4.53	1.23	0.89	1.33	1.43	1.06	+16	−20	−18	−20	+ 2	+16	+ 1	−13	+ 9	+47	0	−0.28
*88286	18 01 43.15	+42 40 32.7	8.38	H	270.429 797 27	+42.675 755 04	2.05	−5.83	−41.72	0.66	0.68	0.78	0.70	0.77	− 1	+ 9	− 9	+ 0	+12	−20	+12	+ 1	+ 3	+ 9	0	−1.38
*88287	18 01 43.14	−32 42 55.2	8.76	1 G	270.429 766 85	−32.715 320 90	−0.50	2.72	−1.50	1.09	0.65	1.16	1.29	0.69	− 7	−30	−17	+ 7	+17	−18	− 1	−58	+22	−30	0	−0.41
88288	18 01 43.51	+34 10 50.0	8.33	H	270.431 310 40	+34.180 560 87	2.70	−2.75	21.92	0.61	0.66	0.81	0.64	0.72	+11	−16	−16	+ 7	+10	− 3	+10	+21	− 1	+ 9	2	1.42
88289	18 01 44.38	−66 27 51.9	8.41	1 H	270.434 934 76	−66.464 426 44	1.98	11.38	−16.67	0.60	0.67	1.01	0.74	0.75	+ 1	− 7	−14	+ 0	− 2	+ 8	+ 1	−13	+12	+20	3	−0.09
*88290 H	18 01 45.19	+01 18 18.4	4.42	G	270.438 289 67	+01.305 109 36	A 12.31	15.43	−13.61	0.84	0.62	0.83	0.86	0.67	+34	−19	− 6	− 5	+ 1	+ 3	+ 2	−14	+ 9	+37	1	0.16
*88291	18 01 45.15	−09 02 48.6	9.97	H	270.438 125 66	−09.046 823 48	8.03	23.59	26.96	1.74	1.26	2.01	2.32	1.48	−25	− 3	−42	−30	+39	−27	+28	−49	+37	−22	3	1.35
88292	18 01 46.86	−25 37 35.1	10.57	2 H	270.445 255 18	−25.626 409 88	−4.72	−2.31	−12.10	1.94	1.16	2.03	2.18	1.17	+37	−41	−26	−11	−11	− 2	−18	−51	+13	+28	0	0.70
88293	18 01 48.22	−41 24 18.5	9.28	H	270.450 906 41	−41.405 136 90	4.25	−4.60	0.13	1.38	0.66	1.51	1.66	0.67	+ 8	−19	+14	+36	−32	+ 9	−22	+ 4	+21	+34	0	−0.74
88294	18 01 48.30	−36 22 40.1	6.30	H	270.451 265 66	−36.377 803 07	4.52	−7.38	−24.98	0.78	0.46	0.82	1.08	0.52	+ 3	−29	−18	+27	+ 4	− 8	− 8	−55	+33	− 6	0	−1.11
88295	18 01 50.11	+70 14 17.1	9.17	H	270.458 785 21	+70.238 091 50	2.81	−9.81	−25.90	0.80	0.69	0.77	0.87	0.87	+ 7	−19	+ 3	−10	−12	+ 0	−13	+ 6	−10	+16	1	0.55
88296	18 01 52.05	+20 08 41.0	8.28	H	270.466 864 43	+20.144 708 92	8.26	−6.78	−8.90	0.79	0.77	1.08	0.83	0.95	+28	−17	−19	+35	+35	+13	+40	+27	− 4	+ 2	0	−0.62
88297	18 01 52.28	−19 06 22.1	7.48	H	270.467 835 83	−19.106 137 85	−0.30	0.22	1.27	0.99	0.55	1.17	1.08	0.59	+15	−44	−30	+ 0	+ 9	−26	− 8	−31	+13	−28	0	−0.91
88298	18 01 54.38	−22 46 49.0	5.72	1 G	270.476 587 42	−22.780 290 65	−0.14	−0.49	−2.95	0.88	0.61	0.83	1.08	0.68	−49	−26	−22	−38	+59	−21	+47	−64	+17	−66	0	0.77
88299	18 01 55.26	−34 08 10.1	9.45	H	270.480 245 27	−34.136 146 03	12.23	6.76	−28.71	1.44	0.77	1.45	2.05	0.82	+19	−17	−12

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
88201	8.217	0.011	8.083	0.013		0.164	0.015	G	0.18	0.01	H	8.1091	0.0016	0.012	78		8.09	8.13					1							
88202	10.877	0.049	9.084	0.017		1.523	0.043	T	1.68	0.13	O	9.0208	0.0020	0.014	120		8.99	9.05					1							
88203	10.263	0.040	9.053	0.024	*	1.035	0.037	T	1.01	0.03	L *	9.2086	0.0017	0.021	149	*	9.16	9.26		D	18007−6647	I 1	2 C	A	AB	233	3.785	0.017	2.08	0.07	
88204	8.575	0.011	7.134	0.007		1.216	0.010	T	1.18	0.01	L	7.1724	0.0010	0.009	98		7.15	7.18		C			1							S
88205	8.949	0.012	8.470	0.012		0.463	0.013	T	0.53	0.01	L	8.5176	0.0013	0.014	131		8.49	8.54		C			1							
88206	10.073	0.063	8.918	0.044		0.992	0.060	T	0.97	0.05	L	8.8512	0.0016	0.015	117		8.82	8.87					1							
88207	10.109	0.029	8.893	0.017		1.039	0.026	T	1.01	0.02	L	8.9483	0.0020	0.016	111		8.92	8.98		C			1							
88208	9.602	0.015	8.543	0.011		0.918	0.014	T	0.92	0.01	L	8.6061	0.0014	0.020	200		8.57	8.65					1							
88209	8.707	0.009	8.523	0.011		0.176	0.013	T	0.19	0.01	L	8.5526	0.0015	0.016	129		8.53	8.58					1							
88210	10.262	0.034	9.146	0.022		0.962	0.032	T	0.95	0.03	L	9.2252	0.0019	0.018	110		9.20	9.26		C			1							
88211	9.673	0.020	8.251	0.011		1.201	0.018	T	1.16	0.02	L	8.2811	0.0031	0.025	103		8.24	8.32		U 2			1							
88212	9.325	0.017	8.003	0.011		1.122	0.016	T	1.08	0.02	L	8.0662	0.0014	0.012	98		8.04	8.09		C			1							
88213	6.210	0.005	6.330	0.004		−0.104	0.006	T	−0.09	0.01	L	6.3238	0.0014	0.008	64		6.31	6.34					1							S
88214	8.853	0.010	8.673	0.012		0.172	0.015	T	0.19	0.01	L	8.7065	0.0018	0.020	143		8.67	8.74					1							
88215	10.056	0.024	8.691	0.014		1.156	0.022	T	1.12	0.02	L	8.7014	0.0019	0.015	111		8.67	8.74					1							
88216	8.993	0.015	7.670	0.009		1.123	0.014	T	1.09	0.01	L	7.6951	0.0016	0.011	66		7.68	7.72					1							
88217	7.197	0.005	6.367	0.003		0.747	0.004	T	0.79	0.00	L	6.4237	0.0009	0.008	110		6.41	6.44		C			1							S
88218	10.701	0.039	9.465	0.022		1.055	0.035	T	1.02	0.03	L	9.5137	0.0021	0.022	145		9.47	9.55					1							
88219	8.720	0.013	8.507	0.015		0.182	0.012	G	0.20	0.01	H	8.5469	0.0018	0.014	91		8.52	8.57					1							
88220	10.049	0.030	8.145	0.013		1.581	0.026	T	1.60	0.03	L	8.0736	0.0024	0.017	88		8.05	8.10					1							
88221	10.628	0.048	8.984	0.019		1.375	0.041	T	1.35	0.05	L	8.9843	0.0015	0.014	92		8.96	9.01		D			1							
88222	9.876	0.024	9.260	0.021		0.571	0.024	T	0.64	0.02	L	9.3336	0.0020	0.016	92		9.30	9.36		C			1							
88223	10.174	0.031	9.493	0.029		0.630	0.035	T	0.70	0.03	L	9.5157	0.0018	0.026	63		9.48	9.60		D			1	S						
88224	10.159	0.025	9.647	0.028		0.481	0.034	T	0.55	0.04	L	9.6611	0.0026	0.023	137		9.62	9.70		C			1	S						G
88225	10.299	0.025	8.684	0.012		1.352	0.022	T	1.32	0.03	L	8.7008	0.0021	0.022	147		8.66	8.74			18010+2617	I 1	1	S						
88226	9.919	0.024	8.172	0.011		1.457	0.021	T	1.46	0.03	L	8.1585	0.0016	0.014	102		8.14	8.18		C			1							
88227	9.810	0.022	8.958	0.017		0.739	0.015	G	0.79	0.01	H	9.0298	0.0020	0.014	78		8.99	9.06		C			1							
88228	8.284	0.009	8.037	0.010		0.235	0.013	T	0.26	0.02	L	8.0753	0.0017	0.014	111		8.05	8.10					1							S
88229	10.488	0.047	8.857	0.022		1.365	0.041	T	1.33	0.05	L	8.8845	0.0020	0.013	60		8.86	8.90					1							
88230	9.803	0.020	9.318	0.021		0.469	0.022	T	0.54	0.02	L	9.3302	0.0022	0.020	125		9.30	9.36					1							
88231	10.707	0.055	10.150	0.054		0.521	0.069	T	0.59	0.07	L	10.0926	0.0039	0.025	77		10.05	10.13		C			1							G
88232	8.466	0.012	7.183	0.007		1.092	0.011	T	1.05	0.01	L	7.2346	0.0009	0.009	133		7.22	7.25					1							S
88233	10.677	0.066	9.809	0.055		0.931	0.015	G	0.93	0.01	H	9.6961	0.0028	0.030	93		9.65	9.74					1							G
88234	8.158	0.010	6.983	0.006		1.008	0.009	T	0.98	0.01	L	7.0395	0.0008	0.008	115		7.02	7.05		C			1							S
88235	9.011	0.013	8.348	0.012		0.624	0.015	G	0.69	0.01	H	8.3973	0.0025	0.018	93		8.36	8.43			18011−1958	I 1	1	S						
88236	9.294	0.010	8.236	0.007		0.918	0.009	T	0.92	0.01	L	8.2897	0.0014	0.016	208		8.26	8.31					1							
88237	9.497	0.015	7.534	0.006		1.628	0.013	T	1.65	0.01	L	7.4524	0.0012	0.013	150		7.43	7.47					1							S
88238	10.235	0.029	9.695	0.031		0.513	0.032	T	0.59	0.03	L	9.6948	0.0023	0.019	126		9.67	9.73		C			1							G
88239	7.712	0.007	7.582	0.010		0.088	0.004	G	0.10	0.00	H	7.6249	0.0010	0.010	113		7.60	7.64		C	18011+4521	I 1	1							S
88240	10.071	0.022	8.017	0.008		1.700	0.019	T	1.72	0.02	L	7.8752	0.0025	0.022	140		7.84	7.91		U 2			1							
88241	10.657	0.057	9.470	0.032		1.017	0.051	T	0.99	0.04	L	9.5375	0.0045	0.022	57		9.51	9.58					1							
88242	10.599	0.038	10.120	0.040		0.451	0.050	T	0.52	0.05	L	10.3763	0.0594	0.340	118		9.85	10.72	1.31	P 1 A			1 V							G
88243	9.783	0.027	8.659	0.018		0.968	0.025	T	0.95	0.02	L	8.7107	0.0017	0.020	125		8.68	8.75					1							
88244	10.046	0.024	9.771	0.027		0.262	0.034	T	0.29	0.04	L	9.8271	0.0030	0.035	145		9.77	9.88					1							
88245	10.393	0.032	9.852	0.032		0.507	0.041	T	0.58	0.04	L	9.8887	0.0022	0.027	117		9.84	9.93		C			1							G
88246	7.664	0.006	7.762	0.008		−0.084	0.009	T	−0.06	0.01	L	7.7608	0.0009	0.011	145		7.74	7.78					1							S
88247	8.902	0.012	8.798	0.015		0.094	0.018	T	0.11	0.02	L	8.7833	0.0011	0.015	133		8.76	8.81		C			1							
88248	9.154	0.011	8.972	0.013		0.167	0.016	T	0.18	0.02	L	9.0227	0.0017	0.021	154		8.99	9.07		C			1							
88249	10.175	0.041	9.127	0.029		0.910	0.038	T	0.91	0.03	L	9.1295	0.0022	0.024	151		9.08	9.18					1							
88250	8.740	0.015	7.546	0.010		1.022	0.014	T	1.00	0.01	L	7.6037	0.0009	0.009	96		7.58	7.63					1							S
88251	9.801	0.020	9.222	0.019		0.543	0.020	T	0.62	0.02	L	9.2578	0.0019	0.017	113		9.23	9.29					1							
88252	9.535	0.017	8.983	0.016		0.523	0.017	T	0.60	0.02	L	9.0523	0.0017	0.017	129		9.03	9.09		C			1							
88253	10.695	0.036	9.426	0.020		1.081	0.032	T	1.04	0.03	L	9.4795	0.0029	0.020	96		9.45	9.51					1							
88254	10.616	0.030	9.487	0.018		0.972	0.027	T	0.96	0.02	L	9.5439	0.0023	0.025	164		9.50	9.58					1							
88255	8.874	0.012	8.543	0.013		0.280	0.015	G	0.32	0.02	H	8.5977	0.0015	0.019	129		8.57	8.63					1							
88256	10.788	0.060	8.667	0.018		1.500	0.040	G	1.53	0.06	R	8.5253	0.0020	0.015	92		8.50	8.56					1							
88257	8.224	0.020	7.703	0.019	*	0.498	0.015	G	0.57	0.02	H *	7.8255	0.0011	0.010	108	*	7.80	7.84		D	18014+6557	I 1	2 C	A	AB	192	3.624	0.005	1.74	0.02	S
88258	8.614	0.011	6.481	0.005		1.763	0.010	T	1.79	0.01	L	6.3655	0.0014	0.012	85		6.34	6.38					1							S
88259	8.902	0.017	8.404	0.016		0.418	0.015	G	0.48	0.02	H	8.4701	0.0024	0.018	109		8.43	8.51		U			1							
88260	8.734	0.009	7.227	0.005		1.267	0.008	T	1.23	0.01	L	7.2662	0.0010	0.010	149		7.24	7.28		C			1							S
88261	8.999	0.011	7.786	0.007		1.037	0.010	T	1.01	0.01	L	7.8315	0.0014	0.015	147		7.81	7.86					1							S
88262	9.452	0.021	7.842	0.011		1.348	0.019	T	1.31	0.02	L	7.8475	0.0017	0.012	78		7.83	7.87		C			1							
88263	10.084	0.023	8.714	0.013		1.160	0.021	T	1.12	0.02	L	8.7594	0.0013	0.018	114		8.73	8.79					1							
88264	8.576	0.007	7.149	0.004		1.205	0.006	T	1.16	0.01	L	7.1832	0.0007	0.009	229		7.17	7.20		C			1							S
88265	7.934	0.009	7.910	0.010	A	0.094	0.150	G	0.04	0.01	L *	7.9124	0.0014	0.010	107	*	7.89	7.94		D	18015+4019	I 1	2 C	A	AB	313	2.041	0.017	3.57	0.10	S
88266	10.459	0.033	10.117	0.039		0.324	0.048	T	0.38	0.07	L	10.1584	0.0032	0.031	128		10.10	10.20					1	S						G
88267	4.717	0.003	4.287	0.002	*	0.406	0.004	T	0.47	0.00	L *	4.3512	0.0006	0.007	153	*	4.34	4.37		D	18015+2136	I 1	2 C	A	AB	257	6.352	0.002	0.38	0.01	S
88268	8.897	0.017	8.172	0.015		0.665	0.018	T	0.73	0.01	L	8.2366	0.0021	0.015	55		8.22	8.26					1							S
88269	10.694	0.047	8.888	0.018		1.503	0.040	T	1.53	0.06	L	8.8700	0.0022	0.015	80		8.85	8.90		C			1							
88270	6.857	0.004	6.902	0.006		−0.036	0.007	T	−0.01	0.01	L	6.9025	0.0009	0.010	125		6.88	6.92		C			1							S
88271	8.414	0.013	8.416	0.016	*	0.030	0.015	G	0.05	0.01	H *	8.3696	0.0022	0.017	66	*	8.34	8.41		D	18016+0332	I 2	2 C	A	AB	346	0.669	0.004	1.30	0.02	
88272	7.428	0.008	7.054	0.007		0.354	0.010	T	0.42	0.01	L	7.1123	0.0044	0.024	70		7.07	7.13	0.81	P 1 A			1							S
88273	9.400	0.017	9.584	0.026		−0.150	0.015	G	−0.15	0.02	H	9.5861	0.0024	0.022	115		9.54	9.62					1							
88274	6.979	0.005	6.499	0.004		0.437	0.006	G	0.51	0.01	H	6.5493	0.0007	0.010	136		6.53	6.56					1							S
88275	7.565	0.005	7.594	0.006		−0.022	0.007	T	0.00	0.01	L	7.6004	0.0010	0.012	186		7.58	7.62		C			1							S
88276						0.661	0.155	G	0.72	0.13	R	10.9663	0.0057	0.047	108		10.87	11.04					1	S						G
88277	8.220	0.009	6.354	0.004		1.549	0.015	G	1.55	0.09	H	6.3005	0.0014	0.013	122		6.29	6.33		U 2	18016+3318	I 1	1							S
88278	7.904	0.011	7.937	0.014		−0.040	0.015	G	−0.02	0.01	H	7.9553	0.0029	0.018	62		7.93	7.98		U	18016+0332	I 2	1							S
88279	9.486	0.015	8.643	0.012		0.772	0.015	G	0.81	0.01	H	8.7064	0.0014	0.014	113		8.68	8.73		D			1							
88280	10.656	0.041	9.506	0.024		0.980	0.038	T	0.96	0.03	L	9.5424	0.0020	0.020	107		9.51	9.58		C			1							
88281	7.492	0.008	7.524	0.010		0.005	0.002	G	0.03	0.00	H	7.5399	0.0011	0.012	91		7.52	7.57					1	G						S
88282	9.229	0.014	8.839	0.015		0.369	0.019	T	0.43	0.02	L	8.8761	0.0018	0.021	133		8.84	8.91		C			1							
88283	8.125	0.007	7.836	0.010		0.275	0.011	T	0.31	0.01	L	7.8687	0.0011	0.011	122		7.85	7.89		C			1							S
88284	8.370	0.013	7.954	0.013	*	0.393	0.017	T	0.46	0.02	L *	7.9514	0.0016	0.014	111	*	7.93	7.98		D	18017+4011	I 1	2 C	A	AB	263	0.664	0.002	0.18	0.01	S
88285	10.464	0.053	9.005	0.025		1.230	0.046	T	1.19	0.04	L	8.9761	0.0046	0.021	55		8.94	9.02					1							
88286	9.625	0.016	8.490	0.010		0.976	0.015	T	0.96	0.01	L	8.5438	0.0018	0.017	122		8.50	8.58					1							S
88287	9.034	0.016	8.841	0.020		0.238	0.002	G	0.27	0.00	H	8.7951	0.0029	0.023	103		8.76	8.84		U			1							
88288	9.659	0.019	8.434	0.012		1.047	0.018	T	1.02	0.01	L	8.4995	0.0017	0.018	144		8.47	8.53					1							
88289	8.470	0.008	8.405	0.010		0.059	0.011	T	0.07	0.01	L	8.4394	0.0016	0.019	151		8.41	8.48		U			1							
88290	4.483	0.003	4.443	0.003	*	0.046	0.018	G	0.06	0.02	A *	4.4520	0.0006	0.004	66	*	4.45	4.46		D	18018+0118	I 1	2 C	A	AB	107	0.584	0.011	2.95	0.04	S
88291	10.807	0.059	9.943	0.045		0.773	0.056	T	0.81	0.04	L	10.1172	0.0050	0.032	65		10.07	10.19					1							G
88292	12.441	0.280	10.685	0.090		0.648	0.150	G	0.71	0.13	R	10.7041	0.0035	0.032	90		10.61	10.75		U			1							G
88293	9.849	0.019	9.328	0.019		0.498	0.020	T	0.57	0.02	L	9.3927	0.0019	0.019	147		9.36	9.42		C			1							
88294	6.282	0.004	6.305	0.004		−0.016	0.005	T	0.01	0.01	L	6.3048	0.0006	0.007	134		6.30	6.31		C			1							S
88295	10.493	0.031	9.294	0.019		1.026	0.028	T	1.00	0.02	L	9.3395	0.0020	0.015	94		9.32	9.37		C			1							
88296	8.731	0.010	8.329	0.011		0.380	0.014	T	0.44	0.01	L	8.3664	0.0015	0.018	117		8.34	8.41		C			1							S
88297	7.796	0.009	7.535	0.009		0.249	0.012	T	0.28	0.01	L	7.5504	0.0015	0.010	81		7.53	7.57			18019−1906	I 1	1							S
88298	5.692	0.003	5.744	0.004		−0.030	0.003	G	0.06	0.03	C	5.7321	0.0010	0.008	88		5.72	5.74		M	18019−2247	I 1	1							S
88299	10.247	0.033	9.532	0.030		0.644	0.034	T	0.71	0.03	L	9.5866	0.0016	0.019	106		9.55	9.62		C			1							G
88300	10.527	0.030	10.020	0.032		0.476	0.040	T	0.55	0.04	L	10.1536	0.0025	0.023	131		10.11	10.20					1							G

47823 | 11462

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors $\alpha*$ mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%) δ α*	π α*	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	$\mu_{\alpha*}$ μ_δ	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
88301	18 01 56.61	−13 08 50.3	8.31	H	270.485 863 41	−13.147 318 72	1.28	8.94	−7.99	1.44	0.74	1.43	1.85	0.93	− 3	−49	−11	+ 6	− 6	−16	− 0	−35	+ 2	+13	3	0.26
88302	18 01 57.66	+47 53 06.4	7.30	H	270.490 267 36	+47.885 106 94	9.63	36.26	−57.99	0.55	0.52	0.59	0.59	0.64	+ 1	−15	−15	−16	− 4	+ 8	− 4	+ 0	+ 1	− 1	1	−0.45
88303	18 01 58.21	+12 14 55.2	9.11	H	270.492 558 42	+12.248 664 29	1.82	−0.70	1.62	0.76	0.75	1.43	1.06	1.24	+26	−25	+ 0	− 6	+15	+14	+22	− 9	−35	− 5	0	−0.51
88304 H	18 01 58.36	+12 45 28.1	8.09	H	270.493 176 57	+12.757 800 99 A	2.63	−2.42	−12.72	1.20	1.13	1.28	1.10	1.01	−20	+ 5	−15	− 1	+ 8	− 7	+ 9	+42	− 4	−36	0	−1.86
88305	18 02 00.49	+22 27 20.3	7.38	H	270.502 028 73	+22.455 649 51	6.25	45.10	22.25	0.50	0.62	0.90	0.61	0.71	+22	− 9	−23	+46	+12	+ 7	+13	+25	+ 2	+19	1	0.02
88306 H	18 02 00.79	−64 55 22.6	9.28	H	270.503 289 37	−64.922 934 86 A	2.42	−18.56	−41.82	1.82	1.60	2.21	1.51	1.41	+ 2	−20	−10	−15	− 4	+ 6	− 5	− 2	− 4	+19	1	−0.63
88307	18 02 01.48	+31 34 39.4	9.79	H	270.506 151 42	+31.577 610 06	2.82	−2.63	−19.15	0.84	0.90	1.15	0.93	0.98	+13	−21	−14	+17	+17	−11	+15	+ 9	+ 3	+20	2	1.23
88308	18 02 02.21	+29 33 36.5	9.74	2 H	270.509 194 37	+29.560 130 83	3.50	4.17	−7.98	0.87	0.99	1.26	0.98	1.19	− 4	−13	− 4	−12	+15	+14	+11	+18	+11	+11	5	0.74
88309	18 02 05.22	−35 40 09.9	7.57	H	270.521 760 83	−35.669 418 95	0.73	−0.98	−2.64	0.94	0.53	0.98	1.30	0.60	+ 9	−19	− 3	+30	+ 8	+ 2	+ 1	−44	+27	+ 8	0	−1.45
88310	18 02 06.85	−44 26 26.5	8.64	H	270.528 522 03	−44.440 704 35	3.76	4.81	0.45	1.11	0.60	1.18	1.32	0.62	+ 0	−18	+ 3	+29	−18	+ 6	−22	−22	+17	+ 6	0	−1.39
88311 H	18 02 07.32	−62 26 51.5	8.74	H	270.530 519 24	−62.447 647 97 A	2.57	−0.44	−23.61	1.56	1.28	1.78	1.66	1.18	− 8	− 6	−28	−10	+ 3	+13	+ 3	−20	+30	+15	1	1.09
88312	18 02 09.87	−36 21 33.2	7.42	G	270.541 124 39	−36.359 232 99	1.43	0.54	−4.18	0.85	0.51	0.90	1.16	0.57	+ 2	−29	−12	+24	+ 6	− 5	− 4	−51	+27	− 3	0	−0.82
*88313	18 02 10.03	+20 58 21.6	8.25	H	270.541 797 27	+20.972 659 66	5.69	2.73	8.02	0.61	0.73	1.02	0.67	0.80	− 2	− 9	− 8	− 7	+31	− 1	+29	+13	+12	− 2	0	0.11
*88314	18 02 09.96	−38 28 46.3	9.02	H	270.541 491 25	−38.479 516 70	3.61	2.50	−18.46	1.23	0.79	1.55	1.84	0.88	− 7	−10	−25	+ 3	+15	−40	− 2	−59	+39	−31	0	−1.12
88315	18 02 10.25	+15 57 58.9	8.28	H	270.542 727 84	+15.966 365 30	1.33	−7.65	−6.51	0.80	0.74	1.14	1.09	1.02	− 8	−22	− 1	+ 9	+41	+ 4	+41	+ 5	−21	−46	0	1.02
88316	18 02 10.39	−69 20 24.0	9.58	H	270.543 272 52	−69.339 989 44	17.75	38.88	−327.03	0.70	1.04	1.54	0.70	1.04	+14	−23	−11	− 5	−27	+ 1	−26	+ 1	+ 1	+ 0	1	1.80
88317	18 02 10.60	−16 13 31.1	8.42	G	270.544 180 84	−16.225 304 06	−1.09	1.52	−0.99	1.17	0.63	1.24	1.39	0.73	−17	−39	− 2	+14	+12	+ 9	+ 7	−18	+ 1	−27	0	0.60
88318	18 02 11.63	−52 57 25.2	7.96	H	270.548 455 99	−52.957 012 56	1.33	−4.20	−16.19	0.95	0.66	1.06	1.11	0.74	−30	−28	+ 7	+25	−26	+ 2	−26	+ 3	+10	−27	0	0.70
88319	18 02 15.08	−38 38 15.7	8.69	H	270.562 848 80	−38.637 695 69	10.64	−48.97	−15.99	1.16	0.72	1.34	1.74	0.80	− 1	−11	−16	+ 9	+13	−33	− 5	−54	+26	−29	0	−1.52
88320	18 02 15.51	−41 24 51.0	9.01	H	270.564 615 86	−41.414 165 67	0.28	11.22	−5.58	1.25	0.64	1.40	1.49	0.63	+ 5	−18	+15	+36	−33	− 3	−21	+ 4	+ 9	+26	0	−1.76
88321	18 02 15.59	+43 58 53.5	8.59	H	270.564 970 31	+43.981 527 58	3.03	0.56	−35.82	0.71	0.64	0.76	0.75	0.79	− 2	−22	− 4	−18	+ 5	− 9	+ 6	+11	+ 5	−10	1	0.36
88322	18 02 16.69	+51 27 30.2	8.84	H	270.569 560 25	+51.458 389 76	5.05	−13.39	39.36	0.78	0.76	0.83	0.95	0.97	− 2	+ 1	−18	−14	− 3	+15	− 1	+26	− 9	− 1	0	−0.62
88323	18 02 16.73	+51 38 19.8	7.43	G	270.569 722 89	+51.638 841 96	12.19	14.71	−23.32	0.53	0.54	0.58	0.66	0.69	− 5	+ 4	−21	−10	− 2	+ 9	− 1	+24	−12	− 4	0	−0.23
88324	18 02 17.78	+00 06 14.6	7.66	H	270.574 077 77	+00.104 064 26	30.61	178.17	52.80	0.82	0.64	0.93	0.82	0.71	+18	−33	−18	−21	−22	+21	−17	−34	−14	− 4	0	0.59
88325	18 02 21.98	−21 57 47.3	8.70	H	270.591 602 56	−21.963 128 95	0.05	1.77	2.92	1.24	0.76	1.31	1.48	0.84	− 5	−32	+ 7	+11	+20	+ 5	+17	−21	+ 2	+ 1	0	−0.98
88326	18 02 22.24	−12 19 06.1	7.66	2 H	270.592 658 74	−12.318 368 45	2.81	0.53	−2.07	0.96	0.57	1.04	0.92	0.62	+ 8	−41	− 5	+ 3	−20	− 8	−22	−21	− 4	−18	0	0.93
88327	18 02 22.55	−46 59 36.4	8.40	H	270.593 975 59	−46.993 456 97	3.63	−10.92	−0.48	0.91	0.56	1.24	1.13	0.63	−25	−16	+ 5	+28	−29	+ 7	−24	− 3	+33	− 3	0	−0.81
88328	18 02 22.79	−60 08 14.2	6.94	H	270.594 968 93	−60.137 268 82	1.45	1.76	−14.04	0.70	0.49	0.80	0.77	0.50	+18	−15	− 7	−33	− 3	+ 2	− 6	−27	+ 8	+30	0	−0.84
88329	18 02 22.84	−05 44 06.9	7.74	G	270.595 171 78	−05.735 243 06	12.23	19.64	−22.20	0.86	0.62	0.97	0.93	0.67	+31	−39	−32	+ 1	− 4	+12	− 5	−20	+14	+24	4	−1.15
*88330 T	18 02 23.14	−23 02 00.1	7.14	H	270.596 430 25	−23.033 347 38 C	−3.59	−4.54	−1.28	12.10	6.03	2.32	2.44	1.25	+20	+ 4	−12	−18	+ 5	−25	+ 5	−15	+12	− 1	1	0.54
*88331	18 02 23.05	+20 50 01.1	5.25	1 H	270.596 040 36	+20.833 648 38	3.17	−1.85	−6.91	0.48	0.48	0.71	0.51	0.56	+ 3	−26	−11	+ 3	+30	+ 1	+31	+ 4	+ 4	− 4	1	−0.66
88332	18 02 23.25	+05 18 07.5	10.40	H	270.596 867 74	+05.302 086 40	1.13	−0.85	−0.26	1.80	1.38	1.94	2.15	1.62	+15	−21	−19	−13	−12	− 5	−14	−21	+11	+15	0	0.91
88333 H	18 02 23.55	−23 01 51.0	7.22	H	270.598 135 66	−23.030 829 43 A	−3.59	−4.54	−1.28	2.56	1.39	2.32	2.44	1.25	+20	−27	−21	−41	+14	−25	+ 6	−45	+12	− 1	1	0.54
88334	18 02 24.13	−45 44 16.5	8.87	H	270.600 548 35	−45.737 930 15	5.35	−0.62	−13.86	1.35	0.76	1.47	1.48	0.78	+26	−41	−13	+12	−43	− 4	−41	−25	+19	+27	0	−1.15
88335	18 02 24.17	−10 06 45.4	9.07	H	270.600 721 20	−10.112 621 44	7.81	−25.21	−13.91	1.23	0.83	1.44	1.76	1.04	−11	−11	−34	+ 6	+39	−33	+17	−40	+38	−45	0	0.17
88336	18 02 25.15	−31 29 23.1	9.28	H	270.604 791 22	−31.489 753 40	7.16	16.23	−11.91	1.46	0.87	1.48	1.88	0.95	+36	−41	−21	−14	−27	+ 1	−35	−68	+25	+24	0	−1.22
88337	18 02 25.86	+07 18 10.7	8.95	H	270.607 758 87	+07.302 966 24	2.93	1.55	2.57	1.23	1.10	1.69	1.32	1.11	+15	−37	−50	−27	+24	+ 3	+10	−11	+24	+27	0	−0.71
88338	18 02 26.28	−42 54 16.9	7.51	H	270.609 493 10	−42.904 687 01	3.34	4.48	−50.23	1.01	0.50	1.04	1.06	0.49	− 2	−36	− 7	+45	−29	−12	−36	− 4	+17	−20	2	1.49
88339	18 02 27.02	−29 40 02.2	10.69	G	270.612 599 72	−29.667 282 09	0.18	12.89	−4.61	2.03	1.31	2.25	2.62	1.33	−21	−20	−30	− 3	+50	−33	+29	−63	+30	−43	0	0.33
88340	18 02 27.41	+29 12 03.8	9.60	H	270.614 206 86	+29.201 053 13	1.04	5.75	10.26	0.81	0.98	1.27	0.90	1.31	+13	−27	−13	+ 4	+ 7	+16	+ 9	+12	+10	+ 7	1	−1.89
88341	18 02 28.29	−19 10 25.0	11.11	2 G	270.617 860 85	−19.173 600 23	1.14	−0.32	−4.32	1.81	1.10	2.01	2.12	1.27	− 2	−38	− 5	− 1	− 1	−20	− 4	−36	− 4	−19	0	−1.04
88342	18 02 28.55	−03 09 26.4	6.75	H	270.618 940 61	−03.157 324 48	14.14	−39.55	25.19	0.80	0.52	0.83	0.80	0.60	− 1	−45	+ 0	+21	+22	+ 1	+25	− 4	− 3	+16	0	0.11
88343	18 02 29.08	−82 44 07.5	8.31	H	270.621 165 37	−82.735 402 83	2.67	8.34	−20.85	0.63	0.68	0.83	0.70	0.76	− 3	−19	+ 4	+ 2	−16	−24	−14	+ 8	− 2	−11	0	−1.89
88344	18 02 29.31	+24 59 36.5	8.18	G	270.622 106 51	+24.993 477 86	3.02	16.17	−17.29	0.52	0.67	0.93	0.67	0.79	+ 3	−10	− 7	+ 0	+ 6	−14	+ 4	+14	− 8	+10	1	1.08
88345	18 02 29.48	−36 21 47.6	9.22	H	270.622 822 04	−36.363 224 78	20.26	−39.56	−132.09	2.24	0.93	1.99	2.11	1.02	+16	−58	−15	+23	− 4	+ 0	− 7	−48	+25	+10	7	−0.04
88346	18 02 30.16	+22 55 23.7	6.22	H	270.625 646 96	+22.923 242 85	4.83	−2.99	−5.45	0.39	0.47	0.68	0.46	0.52	+12	−19	− 5	+28	+12	+ 4	+12	+11	+10	+25	2	0.55
88347	18 02 30.37	+43 16 06.8	7.33	H	270.626 530 51	+43.268 551 83	3.82	0.84	20.78	0.55	0.52	0.62	0.68	0.64	+ 6	+12	− 1	−14	+ 8	−24	+ 8	+11	+ 4	+ 7	0	−0.77
88348	18 02 30.61	+26 18 52.1	7.01	G	270.627 536 48	+26.314 465 76	45.61	389.78	−602.45	0.44	0.52	0.71	0.54	0.60	+ 0	− 7	− 3	−12	+ 3	− 9	+ 2	+ 2	− 5	+ 8	0	0.91
88349	18 02 30.76	+58 37 37.9	6.86	H	270.628 146 38	+58.627 207 29	11.20	−12.39	23.27	0.46	0.48	0.49	0.47	0.53	+10	− 7	+15	+20	+16	− 3	+20	+ 5	− 5	+22	0	1.81
88350 H	18 02 30.89	+44 14 02.6	7.10	G	270.628 711 33	+44.234 051 15 A	12.75	−35.65	−64.53	0.87	0.81	0.79	0.74	0.80	+ 9	−28	−17	−10	− 8	+ 8	+ 1	+25	− 8	−24	0	0.83
88351	18 02 31.31	−36 40 35.4	8.94	H	270.630 449 49	−36.676 502 64	10.80	−19.04	−8.52	1.41	0.81	1.45	1.96	0.88	+ 5	−25	+ 0	+16	− 5	+ 4	−11	−51	+17	+ 2	0	−1.45
88352	18 02 32.94	−40 05 16.4	9.30	2 H	270.637 261 51	−40.087 890 62	0.14	5.13	−0.86	1.37	0.76	1.51	1.77	0.71	+24	−25	+21	− 6	−56	−25	−42	−39	− 2	+37	0	−1.47
88353	18 02 33.26	+04 25 08.7	8.95	G	270.638 576 42	+04.419 091 01	25.39	−128.04	−245.92	1.21	0.96	1.43	1.29	1.03	+17	−30	−34	+ 8	+10	+13	+16	−16	+12	+29	0	0.13
88354	18 02 33.26	−27 46 46.5	9.85	H	270.638 594 46	−27.779 588 69	8.25	7.89	−41.36	1.83	1.03	1.96	2.54	1.18	− 5	−33	− 8	+18	+14	+ 5	+12	−43	+14	+ 4	5	−0.52
88355 H	18 02 33.82	+03 25 13.5	8.10	H	270.640 932 16	+03.420 410 96 *	4.79	8.13	−6.12	1.52	1.25	1.34	1.30	1.04	+ 6	−22	−28	− 4	+10	− 1	+11	−12	+13	+20	5	0.05
88356	18 02 34.67	+30 33 19.0	6.59	H	270.644 478 89	+30.555 289 01	14.84	−27.25	91.59	0.40	0.48	0.60	0.47	0.53	+ 4	− 6	− 8	+13	+10	−18	+10	− 3	+ 4	+15	0	−0.05
88357	18 02 36.05	+60 26 58.9	9.96	H	270.650 196 34	+60.449 699 76	5.82	−3.69	−99.56	1.02	1.13	1.13	1.27	1.34	+ 4	−16	+12	+ 5	+ 2	+ 5	+ 2	+17	−10	+13	0	1.02
88358	18 02 36.26	−52 33 50.3	9.14	H	270.651 073 30	−52.563 972 17	4.03	10.29	−3.78	1.29	0.92	1.45	1.55	0.98	−34	−22	+ 8	+13	−18	−10	−17	+ 0	+10	−31	0	0.85
*88359	18 02 36.77	+16 08 04.5	8.45	H	270.653 212 47	+16.134 571 09	10.97	45.20	−3.28	0.78	0.75	1.12	1.01	0.91	+ 0	− 1	+ 9	+ 3	+55	− 8	+54	+ 4	+11	−29	0	−1.54
*88360	18 02 36.73	−58 22 18.6	9.00	H	270.653 044 02	−58.371 838 21	3.27	2.49	−31.89	0.97	0.76	1.19	1.18	0.86	−11	−17	−12	+21	−31	+ 9	−29	+12	+12	−13	0	−1.57
88361	18 02 37.19	+48 17 56.7	7.97	H	270.654 937 76	+48.299 092 32	11.60	11.23	−26.29	0.57	0.59	0.65	0.69	0.73	+ 5	−14	−12	− 4	+ 0	+16	+ 1	− 9	+14	+13	0	0.08
88362	18 02 37.32	−20 44 15.4	6.78	1 H	270.655 497 76	−20.737 615 17	0.14	−0.17	−5.38	0.79	0.48	0.87	0.78	0.51	− 4	−41	−10	+ 1	+ 3	−17	− 8	−31	+ 5	−40	0	−0.47
88363	18 02 37.69	−50 12 58.2	9.97	H	270.657 021 83	−50.216 153 89 A	4.41	0.25	−12.08	4.13	2.86	4.01	4.26	2.67	−17	−22	−15	+19	−32	− 1	−32	− 8	+19	−20	0	−1.41
88364	18 02 37.95	−50 12 44.0	12.06	H	270.658 143 90	−50.212 219 26 B	4.41	0.25	−12.08	44.04	30.49	4.01	4.26	2.67	−27	− 2	− 1	+ 2	− 3	− 1	− 3	− 1	+19	−20	0	−1.41
88365	18 02 39.00	+04 28 52.0	10.69	G	270.662 514 47	+04.481 110 43	9.10	−51.65	−215.61	2.13	1.75	2.50	2.26	1.90	+23	−25	−36	− 9	+ 0	+13	+ 9	−26	+12	+46	0	0.34
88366	18 02 40.01	+34 57 48.8	8.62	H	270.666 722 86	+34.963 550 90	3.82	−0.04	−2.15	0.66	0.69	0.85	0.83	0.83	+ 5	−24	−13	− 2	+ 3	+ 2	+ 3	+15	− 2	+ 4	0	−2.64
88367	18 02 42.04	+45 07 47.5	8.42	H	270.675 179 15	+45.129 847 60	3.25	−6.38	8.52	0.66	0.57	0.69	0.72	0.67	+ 4	−19	+ 4	− 9	+ 8	+ 1	+ 8	+ 2	+ 3	+ 3	1	1.13
88368	18 02 42.30	−17 31 20.6	7.95	H	270.676 240 94	−17.522 396 46	3.34	0.87	2.43	1.11	0.75	1.24	1.35	0.81	−36	+ 2	−40	−35	+47	−43	+32	−60	+38	−58	3	0.32
88369	18 02 42.92	−33 53 21.0	7.43	G	270.678 832 36	−33.889 169 28	0.61	4.29	−5.68	0.92	0.50	0.95	1.23	0.57	+ 9	−21	−23	+30	− 3	+ 9	−20	−42	+29	−17	2	0.50
88370	18 02 42.93	+16 48 52.9	7.55	H	270.678 870 19	+16.814 696 74	13.01	−24.85	113.06	0.64	0.59	0.94	0.76	0.65	+13	−23	−15	+17	+52	−29	+47	+ 2	− 2	− 5	0	−2.53
88371	18 02 43.10	−62 58 43.3	10.39	G	270.679 581 83	−62.978 697 35	31.49	122.49	−281.42	1.35	1.17	1.82	1.48	1.14	+11	−20	− 9	−23	+ 0	+14	− 3	−18	+15	+18	3	−0.16
88372	18 02 43.16	+60 34 38.8	8.82	H	270.679 832 21	+60.577 435 52	3.11	−4.11	−12.05	0.77	0.74	0.80	0.90	0.88	+ 6	−22	+13	+ 9	+10	+ 3	+12	+17	−14	+17	0	0.03
88373	18 02 44.57	−53 42 07.9	7.60	H	270.685 728 88	−53.702 182 97	6.63	1.14	−15.36	0.93	0.66	0.95	1.12	0.71	−33	−23	+ 6	+31	−34	− 4	−29	− 5	−13	−39	2	−0.70
88374	18 02 46.27	−05 21 29.0	6.74	H	270.692 788 01	−05.358 046 44	5.62	4.17	−16.26	0.72	0.49	0.81	0.76	0.56	+22	−45	−14	+12	− 2	+20	− 1	− 4	+ 6	+25	0	−0.41
88375 H	18 02 46.33	−46 01 20.1	9.43	G	270.693 061 00	−46.022 241 22 A	9.60	−0.13	−21.83	2.77	1.66	2.98	3.23	1.63	−17	− 3	+17	+27	−38	−14	−28	+ 4	+17	− 6	0	1.68
88376	18 02 47.46	−01 20 10.9	7.97	H	270.697 751 56	−01.336 347 49	5.15	−6.63	−15.23	0.87	0.69	1.00	0.84	0.72	+ 6	−25	− 7	−10	+16	+15	+19	−22	− 7	+ 0	0	0.09
88377	18 02 49.20	−01 29 19.4	9.52	G	270.705 009 59	−01.488 727 13	3.85	−4.93	−3.20	1.20	0.96	1.39	1.22	1.00	− 3	−13	−10	−13	+ 6	+15	+11	−39	+ 1	+ 4	0	−0.24
88378	18 02 50.48	+38 15 07.9	10.01	2 H	270.710 349 19	+38.252 196 76	2.42	−5.31	−0.73	2.54	2.62	3.11	3.30	3.06	+ 4	− 6	−17	+ 7	+23	−21	+18	−11	+ 9	+ 4	3	
88379 H	18 02 50.94	+75 47 24.3	6.95	1 H	270.712 233 97	+75.790 092 98 A	7.43	−11.64	40.97	0.70	0.70	0.66	0.66	0.82	+11	−17	+10	−17	+ 3	− 7	+ 3	− 6	+12	+18	2	1.29
88380	18 02 51.10	−24 16 56.7	5.37	H	270.712 907 83	−24.282 424 75	2.95	0.69	−17.70	0.92	0.58	0.93	1.04	0.62	−26	−49	−16	−20	+50	+ 4	+35	−57	+10	−43	2	−0.06
*88381	18 02 52.88	+56 25 40.3	7.79	G	270.720 333 98	+56.427 859 42	7.72	−18.36	40.77	0.71	0.65	0.74	0.85	0.67	+ 7	+12	− 5	− 4	+11	−26	+ 8	− 6	−13	+21	0	0.45
*88382	18 02 52.75	−42 05 51.6	10.58	H	270.719 810 59	−42.097 664 03	4.28	−75.86	−107.25	2.20	1.12	2.55	2.23	1.06	+23	−41	+ 0	+15	−33	− 4	−29	− 3	+11	+24	0	0.46
88383	18 02 54.15	−67 51 07.8	7.74	G	270.725 618 68	−67.852 160 52	8.31	1.94	4.18	0.45	0.60	0.89	0.57	0.66	+17	−13	− 1	+10	−28	+ 2	−24	−26	+ 6	+22	0	0.49
88384 H	18 02 54.30	−27 49 36.0	6.69	H	270.726 235 82	−27.826 661 67 *	−0.29	0.48	−3.00	0.82	0.46	0.84	1.02	0.53	+ 1	−29	− 3	+28	+ 1	+ 3	+ 1	−18	+ 7	+ 5	0	1.23
88385 H	18 02 54.92	+56 26 12.4	7.62	H	270.728 843 05	+56.436 771 90 B	5.39	0.55	11.67	1.43	1.26	1.23	1.31	1.17	− 1	+34	− 6	− 5	+ 7	−21	+13	− 7	+19	+ 8	3	1.73
88386	18 02 55.28	−49 13 57.6	9.49	H	270.730 315 20	−49.232 652 91	−1.44	4.35	3.77	1.37	0.89	1.68	1.69	0.97	−21	−25	− 6	+24	−36	+ 2	−33	− 1	+23	−10	0	0.06
88387	18 02 55.94	+30 21 01.8	8.05	G	270.733 072 22	+30.350 488 34	14.25	7.18	81.74	0.50	0.64	0.79	0.62	0.71	+ 3	− 6	−12	+ 7	+ 7	−20	+ 5	− 3	+ 7	+ 9	0	−0.98
88388	18 02 56.77	+26 48 46.6	8.63	H	270.736 527 47	+26.812 934 85	2.82	1.25	−2.15	0.60	0.75	1.00	0.78	0.85	+13	−12	− 6	+ 4	+ 3	− 7	+ 3	− 7	− 2	+21	0	−1.07
88389	18 02 57.60	+05 31 43.1	10.42	H	270.739 980 64	+05.528 638 49	5.74	−2.09	−17.01	1.83	1.48	2.01	2.12	1.77	+ 8	−17	− 4	−26	−11	− 5	− 9	−21	−15	+26	0	2.50
*88390	18 02 58.96	+37 11 11.2	9.84	H	270.745 682 88	+37.186 445 94	2.59	1.46	−3.36	0.83	0.96	1.08	0.88	1.02	+ 7	+ 8	+ 6	+ 8	+12	+ 0	+13	+12	+ 1	+10	0	1.38
*88391	18 02 58.91	+20 46 39.0	7.64	H	270.745 470 80	+20.777 493 72	4.20	−14.46	−16.77	0.66	0.72	1.05	0.66	0.87	+13	−23	−24	+18	+35	−12	+29	− 6	+24	− 6	0	0.54
*88392	18 02 58.89	−06 54 43.4	9.22	H	270.745 355 38	−06.912 061 01	5.18	−3.32	−83.40	1.23	0.86	1.42	1.37	0.98	−10	−31	−23	− 3	− 3	+14	− 2	−17	− 1	−31	0	0.53
88393	18 02 59.76	+46 14 08.7	8.17	H	270.749 003 39	+46.235 742 38	9.52	−10.78	52.24	0.61	0.57	0.67	0.67	0.69	+ 4	−17	− 7	+ 8	+ 5	−14	+ 3	+ 5	+ 8	+ 3	0	−2.55
88394 H	18 03 00.38	+15 00 08.4	7.68	2 H	270.751 581 82	+15.002 346 98 *	−0.52	5.97	9.36	0.69	0.65	0.99	0.82	0.66	− 8	−21	− 2	+12	+42	−15	+39	+30	−11	−21	0	−0.16
88395	18 03 00.99	+17 16 36.0	9.92	H	270.754 121 62	+17.276 668 19	9.07	−110.77	−146.74	2.40	2.16	3.32	2.83	2.49	+15	−33	− 7	+13	+44	−22	+43	− 3	−16	+ 6	0	
88396	18 03 01.71	−22 43 06.6	6.73	H	270.757 130 79	−22.718 486 44	−0.80	−0.59	−2.95	0.90	0.53	0.95	0.94	0.58	−22	−49	−15	−17	+28	− 5	+20	−46	+ 4	−43	0	−0.79
88397	18 03 02.02	+28 29 39.2	9.86	2 H	270.758 425 70	+28.494 210 30 *	−0.58	−1.94	10.24	1.05	1.37	1.92	1.33	1.79	+ 7	− 3	+ 5	−11	+ 9	− 3	+ 7	− 8	− 5	+13	0	0.88
88398	18 03 02.60	−43 27 46.0	7.41	H	270.760 831 23	−43.462 781 88 A	4.96	1.26	−16.24	1.05	0.58	1.03	1.09	0.53	−11	−14	−10	+39	−42	+12	−36	+17	−37	− 9	3	0

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
88301	8.917	0.016	8.368	0.016		0.514	0.020	T	0.59	0.02	L	8.4257	0.0017	0.014	56		8.40	8.45					1 G							
88302	8.560	0.010	7.411	0.007		0.987	0.010	T	0.97	0.01	L	7.4677	0.0010	0.010	119		7.45	7.49		C			1							S
88303	9.228	0.013	9.111	0.016		0.113	0.019	T	0.13	0.02	L	9.1550	0.0020	0.018	109		9.12	9.18		C			1							
88304	8.209	0.007	8.100	0.008	*	0.106	0.010	T	0.12	0.01	L *	8.1308	0.0014	0.015	148	*	8.11	8.15		D	18020+1245	H 1	2 C A	AB	219	0.428	0.018	3.24	0.08	S
88305	8.877	0.011	7.510	0.006		1.160	0.015	G	1.11	0.03	C	7.5464	0.0010	0.013	165		7.52	7.57		C			1							S
88306	10.413	0.027	9.416	0.018	*	0.872	0.024	T	0.88	0.02	L *	9.4326	0.0021	0.025	152	*	9.39	9.48		D	18020−6455	I 1	2 C A	AB	90	0.465	0.004	0.93	0.03	
88307	10.246	0.029	9.842	0.030		0.382	0.039	T	0.45	0.04	L	9.8740	0.0029	0.027	126		9.82	9.93		C			1							
88308	11.560	0.076	9.723	0.025		1.560	0.066	T	3.41	0.84	K	9.5025	0.0048	0.042	145		9.44	9.58		U 2			1							
88309	7.541	0.006	7.571	0.009		−0.023	0.010	T	0.00	0.01	L	7.5717	0.0015	0.012	121		7.56	7.59		C			1							S
88310	9.926	0.025	8.765	0.016		0.997	0.023	T	0.98	0.02	L	8.8042	0.0017	0.015	99		8.78	8.83					1							
88311	10.140	0.027	8.925	0.017	A	1.021	0.142	G	0.99	0.03	L *	8.9046	0.0029	0.022	110	*	8.86	8.94		D	18021−6227	I 1	2 C A	AB	353	3.435	0.014	2.48	0.09	
88312	7.393	0.006	7.425	0.008		−0.015	0.012	G	0.01	0.01	H	7.4246	0.0011	0.009	115		7.41	7.44		C			1							S
88313	8.451	0.013	8.263	0.014		0.180	0.018	T	0.20	0.02	L	8.3120	0.0018	0.018	126		8.28	8.35			18022+2057	I 1	1							
88314	9.486	0.018	9.075	0.020		0.402	0.022	T	0.47	0.02	L	9.1068	0.0014	0.014	114		9.08	9.14		C			1							
88315	9.678	0.019	8.404	0.012		1.085	0.018	T	1.05	0.01	L	8.4473	0.0016	0.014	123		8.42	8.47					1 S							
88316	10.599	0.024	9.677	0.018		0.816	0.022	T	0.84	0.02	L	9.7190	0.0036	0.046	213		9.66	9.80		R			1							
88317	9.667	0.022	8.552	0.015		1.228	0.015	G	1.19	0.01	H	8.5545	0.0013	0.010	64		8.53	8.57		C			1							
88318	9.735	0.026	8.111	0.013		1.360	0.023	T	1.33	0.03	L	8.1067	0.0019	0.014	93		8.08	8.14					1							
88319	9.322	0.018	8.760	0.017		0.526	0.022	T	0.60	0.02	L	8.8076	0.0018	0.017	107		8.78	8.84		C			1							
88320	10.534	0.030	9.196	0.017		1.135	0.027	T	1.10	0.03	L	9.1823	0.0015	0.017	142		9.16	9.21		C			1							
88321	10.087	0.024	8.718	0.013		1.159	0.021	T	1.12	0.02	L	8.7544	0.0018	0.014	110		8.73	8.78		C			1							
88322	10.578	0.034	8.992	0.016		1.330	0.030	T	1.29	0.04	L	8.9865	0.0020	0.020	109		8.96	9.03					1							
88323	7.791	0.008	7.438	0.007		0.338	0.015	G	0.39	0.02	H	7.5021	0.0012	0.010	108		7.49	7.52		C			1							S
88324	8.547	0.012	7.719	0.010		0.746	0.012	T	0.79	0.01	L	7.8015	0.0014	0.011	63		7.78	7.82		C			1							S
88325	10.300	0.035	8.868	0.019		1.208	0.031	T	1.17	0.03	L	8.8672	0.0021	0.017	77		8.83	8.89					1							
88326	10.172	0.034	7.901	0.012		1.917	0.030	T	2.97	0.05	O	7.5838	0.0057	0.037	70		7.52	7.64		U 2			1 S							
88327	9.939	0.021	8.556	0.012		1.170	0.019	T	1.13	0.02	L	8.5715	0.0013	0.015	142		8.54	8.60		C	18024−4700	I 1	1							
88328	8.284	0.011	7.058	0.006		1.047	0.010	T	1.02	0.02	A	7.1099	0.0012	0.011	132		7.09	7.13					1							S
88329	8.241	0.009	7.766	0.010		0.436	0.015	G	0.50	0.02	H	7.8273	0.0012	0.011	67		7.80	7.85		C			1							S
88330	8.718	0.026	8.758	0.035	C						T	7.2812	0.0067	0.077	75	−	7.20	7.73		D	18024−2302	I 2	1 C F C							G
88331	5.121	0.002	5.236	0.003		−0.100	0.003	T	−0.08	0.00	L	5.2236	0.0009	0.010	121		5.21	5.24		M			1							S P
88332	10.830	0.067	10.453	0.078		0.357	0.096	T	0.42	0.10	L	10.4838	0.0057	0.035	58		10.43	10.54		C			1							G
88333	7.472	0.009	7.529	0.012	A	0.000	0.600	G	−0.01	0.03	L *	7.2218	0.0053	0.044	78	−	7.19	7.40		D	18024−2302	I 2	2 C P C	AB	20	6.250	0.032	2.87	0.21	S D Y
88334	10.384	0.035	9.039	0.020		1.263	0.005	G	1.22	0.01	K	9.0266	0.0020	0.016	107		9.00	9.05		C			1							
88335	9.764	0.026	9.124	0.023		0.549	0.020	G	0.62	0.02	H	9.1891	0.0034	0.015	64		9.15	9.24		C			1							
88336	9.810	0.026	9.386	0.031		0.491	0.015	G	0.56	0.02	H	9.3854	0.0020	0.015	94		9.36	9.41		C			1							G
88337	10.377	0.045	9.054	0.024		1.123	0.040	T	1.09	0.04	L	9.1180	0.0019	0.018	59		9.10	9.15		C			1							
88338	9.398	0.016	7.673	0.008		1.439	0.014	T	1.43	0.02	L	7.6477	0.0010	0.010	119		7.63	7.67		C			1							S
88339						1.250	0.055	G	1.21	0.05	K	10.4486	0.0036	0.033	89		10.39	10.50		C			1 S							G
88340	10.003	0.022	9.632	0.025		0.351	0.031	T	0.41	0.03	L	9.6815	0.0020	0.023	143		9.64	9.73		C			1 S							
88341						3.107	0.400	G	3.12	0.41	J	10.0841	0.0244	0.212	81		9.94	10.47		U 2 C			1 S							G
88342	7.390	0.007	6.816	0.006		0.556	0.006	G	0.63	0.01	H	6.8740	0.0014	0.008	69		6.86	6.89					1							S
88343	9.456	0.016	8.417	0.012		0.903	0.015	T	0.90	0.01	L	8.4693	0.0016	0.015	134		8.44	8.49					1							S
88344	9.606	0.014	8.297	0.008		1.112	0.013	T	1.07	0.01	L	8.3513	0.0016	0.019	202		8.32	8.38					1							
88345	10.289	0.039	9.272	0.026		0.876	0.037	T	0.89	0.03	L	9.3633	0.0019	0.017	107		9.33	9.39		C			1 G							
88346	6.091	0.003	6.198	0.003		−0.092	0.004	T	−0.07	0.01	L	6.1886	0.0006	0.007	155		6.18	6.20					1							S
88347	8.785	0.011	7.442	0.006		1.139	0.010	T	1.10	0.01	L	7.4994	0.0012	0.010	118		7.48	7.52					1							S
88348	8.018	0.006	7.082	0.005		0.799	0.005	G	0.77	0.07	F	7.1510	0.0011	0.010	167		7.13	7.17			18025+2619	I 1	1							S
88349	7.031	0.005	6.878	0.006		0.147	0.007	T	0.16	0.01	L	6.9097	0.0008	0.009	122		6.89	6.93					1							S
88350	7.639	0.007	7.189	0.006	*	0.483	0.015	G	0.55	0.02	H *	7.1931	0.0009	0.008	124	*	7.18	7.21		D	18025+4414	I 1	2 C A	AB	69	0.868	0.006	1.85	0.02	S
88351	9.875	0.026	9.024	0.021		0.747	0.026	T	0.79	0.02	L	9.0851	0.0026	0.021	99		9.05	9.11					1							
88352	9.131	0.015	9.244	0.022		−0.144	0.006	G	−0.14	0.01	H	9.2473	0.0039	0.032	105		9.18	9.30		U 2			1							
88353	10.049	0.038	9.039	0.027		0.866	0.005	G	0.91	0.01	H	9.0731	0.0035	0.020	57		9.04	9.11		C			1							
88354	10.806	0.117	10.289	0.140		0.648	0.155	G	0.71	0.14	R	9.9864	0.0025	0.024	84		9.93	10.02					1 S							G
88355	9.312	0.019	8.238	0.013	*	0.930	0.017	T	0.92	0.01	L *	8.2592	0.0019	0.013	68	*	8.23	8.28		D	18026+0325	H 1	2 C D	AB	123	0.294	0.017	2.16	0.10	D
88356	7.111	0.004	6.633	0.004		0.450	0.005	T	0.52	0.01	L	6.6939	0.0009	0.007	141		6.68	6.71		C			1							S
88357	10.693	0.044	9.962	0.036		0.670	0.045	T	0.73	0.04	L	10.0972	0.0029	0.026	106		10.04	10.14		C			1							
88358	11.285	0.092	9.309	0.026		1.638	0.076	T	1.66	0.08	L	9.2439	0.0029	0.020	84		9.21	9.28			18026−5234	I 1	1 S							
88359	9.591	0.016	8.547	0.011		0.907	0.015	T	0.91	0.01	L	8.6138	0.0015	0.015	139		8.59	8.64		C			1							
88360	9.408	0.020	9.032	0.022		0.356	0.028	T	0.42	0.03	L	9.0806	0.0029	0.019	90		9.05	9.11					1							
88361	8.668	0.010	8.033	0.009		0.590	0.012	T	0.66	0.01	L	8.0991	0.0013	0.013	121		8.07	8.12		C			1							S
88362	6.901	0.005	6.802	0.006		0.118	0.004	G	0.13	0.00	H	6.8236	0.0019	0.012	84		6.80	6.84		M			1							S
88363	10.479	0.034	10.000	0.035	A	0.451	0.045	T	0.52	0.05	L	10.0705	0.0302	0.035	120	A	10.01	10.13		R	18026−5013	I 2	1 C P D							G D
88364											T	12.0099	0.1736			B				D	18026−5013	I 2	1 C F D							D
88365	11.599	0.141	10.820	0.120		0.712	0.006	G	0.76	0.01	H	10.8415	0.0043	0.032	48		10.79	10.90					1							G
88366	10.596	0.038	8.793	0.016		1.501	0.033	T	1.53	0.05	L	8.7419	0.0014	0.017	117		8.71	8.77					1							
88367	9.679	0.020	8.538	0.014		0.981	0.019	T	0.96	0.01	L	8.5858	0.0016	0.015	115		8.56	8.61		C			1							
88368	8.697	0.012	8.036	0.011		0.613	0.014	T	0.68	0.01	L	8.0814	0.0013	0.012	85		8.07	8.10		C			1							
88369	7.316	0.005	7.428	0.008		−0.086	0.006	G	−0.07	0.01	H	7.4041	0.0015	0.012	99		7.39	7.42					1							S
88370	8.140	0.007	7.616	0.007		0.521	0.015	G	0.59	0.02	H	7.6653	0.0012	0.011	136		7.65	7.69		C			1							S
88371	12.021	0.137	10.594	0.058		1.280	0.015	G	1.46	0.03	I	10.5196	0.0041	0.039	116		10.46	10.58					1							G
88372	10.041	0.023	8.899	0.015		0.982	0.021	T	0.96	0.02	L	8.9837	0.0023	0.017	104		8.96	9.02					1							
88373	7.819	0.009	7.617	0.011		0.193	0.013	T	0.21	0.01	L	7.6604	0.0010	0.010	84		7.64	7.68					1							S
88374	6.913	0.006	6.763	0.007		0.136	0.009	T	0.15	0.01	L	6.7961	0.0014	0.011	63		6.78	6.82					1							S
88375	10.113	0.027	9.564	0.027	A	0.498	0.005	G	0.57	0.01	R *	9.5033	0.0023	0.022	121	−	9.47	9.55		D	18028−4601	I 1	3 C A							G
88376	8.139	0.012	7.998	0.013		0.136	0.017	T	0.15	0.02	L	8.0165	0.0015	0.014	69		7.99	8.06					1							S
88377	10.116	0.035	9.553	0.034		0.563	0.005	G	0.64	0.01	H	9.6366	0.0023	0.023	67		9.60	9.69					1							G
88378	11.498	0.072	10.184	0.035		1.116	0.063	T	1.08	0.07	L	10.1711	0.0043	0.034	118		10.12	10.25		U	18028+3815	I 1	1 X S							G
88379	7.076	0.006	6.949	0.007	*	0.123	0.008	T	0.14	0.01	L *	6.9914	0.0021	0.016	108	*	6.97	7.01		R 2	18028+7547	I 1	2 C A	AB	247	5.700	0.014	3.42	0.08	S
88380	5.988	0.004	5.448	0.004		0.495	0.018	G	0.65	0.03	C	5.4967	0.0006	0.005	77		5.49	5.51					1							S
88381	8.063	0.012	7.783	0.012		0.275	0.015	G	0.31	0.02	H	7.8633	0.0015	0.014	99		7.84	7.89		D	18029+5625	I 2	1							S
88382	11.370	0.075	10.741	0.074		0.581	0.072	G	0.65	0.07	R	10.7022	0.0037	0.037	131		10.64	10.79					1							G
88383	8.283	0.008	7.770	0.007		0.495	0.001	G	0.57	0.00	H	7.8395	0.0013	0.014	186		7.82	7.87					1							S
88384	8.943	0.027	6.876	0.011	*	1.200	0.495	G	1.74	0.07	M *	6.7921	0.0020	0.012	86	*	6.77	6.81			18029−2750	I 1	2 C S B	AC	212	0.150	0.048	2.47	0.87	S
88385											T *	7.6836	0.0015	0.014	103	*	7.66	7.72		D	18029+5625	I 2	2 C A	BC	146	6.050	0.005	0.54	0.02	S
88386	10.848	0.046	9.611	0.026		1.056	0.041	T	1.02	0.03	L	9.6593	0.0033	0.028	111		9.62	9.71					1							
88387	8.652	0.010	8.115	0.010		0.524	0.015	G	0.60	0.02	H	8.1615	0.0015	0.016	152		8.13	8.19		C			1							S
88388	8.738	0.024	8.623	0.029		0.111	0.035	T	0.12	0.04	L	8.6712	0.0012	0.017	161		8.63	8.71		C			1							
88389	11.615	0.115	10.632	0.086		0.856	0.118	T	1.93	0.25	K	10.5110	0.0060	0.033	64		10.42	10.56					1							G
88390	11.525	0.071	9.961	0.029		1.312	0.060	T	1.27	0.07	L	9.9969	0.0023	0.024	126		9.94	10.04		C			1							
88391	9.134	0.020	7.753	0.012		1.169	0.018	T	1.13	0.02	L	7.8112	0.0012	0.013	119		7.79	7.84		C			1							
88392	10.103	0.033	9.286	0.026		0.729	0.020	G	0.78	0.01	H	9.3591	0.0033	0.022	65		9.32	9.42					1							
88393	8.678	0.011	8.221	0.011		0.431	0.014	T	0.50	0.01	L	8.2652	0.0010	0.010	118		8.25	8.29		D			1							S
88394	9.869	0.019	7.934	0.008	*	1.640	0.017	T	2.57	0.03	O *	7.6992	0.0031	0.044	123	*	7.62	7.79		U 2	18030+1500	H 1	2 C S D	AB	344	0.169	0.026	1.74	0.40	D
88395	10.781	0.039	9.997	0.032		0.712	0.039	T	0.77	0.03	L	10.0626	0.0036	0.034	128		10.01	10.13					1 X							G
88396	6.650	0.004	6.717	0.006		−0.056	0.007	T	−0.03	0.01	L	6.7141	0.0010	0.007	80		6.70	6.73		C			1							S
88397	11.447	0.071	10.050	0.031		1.197	0.064	T	3.15	0.12	O	9.7101	0.0109	0.102	138		9.55	9.88		U 2			1 V							G
88398	8.766	0.011	7.519	0.007	A	1.064	0.010	T	1.03	0.01	L	7.5826	0.0073	0.009	118	A	7.57	7.60		C	18030−4328	I 1	2 C B	AB	140	15.401	0.045	3.40	0.16	S
88399	7.524	0.007	7.057	0.007		0.458	0.015	G	0.53	0.02	H	7.1095	0.0010	0.011	110		7.09	7.13					1							S
88400	9.740	0.022	9.278	0.023		0.435	0.029	T	0.50	0.03	L	9.3403	0.0026	0.020	85		9.31	9.37		C			1							

Number	Descriptor: epoch J1991.25					Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V			α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	α*	α*	δ	$\mu_{\alpha*}$	δ	π	$\mu_{\alpha*}$	μ_δ	F1	F2
	h m s	±° ′ ″	mag			deg	deg		mas	mas/yr		mas		mas	mas/yr												%	
1 2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
88401	18 03 03.83	−28 23 03.9	10.56	G		270.765 960 45	−28.384 412 56		−0.46	−1.17	−1.11	2.22	1.27	2.45	2.75	1.38	+14	−43	−19	+12	+19	−17	− 1	−44	+17	−11	0	0.35
88402	18 03 04.30	−52 43 20.3	12.17	3	H	270.767 896 27	−52.722 298 97		10.00	−2.88	−37.39	3.65	2.50	3.95	4.82	2.93	−34	−10	+	4	+25	−10	+	5	−11	+12	+24	−24	0	1.93
88403	18 03 04.34	−08 20 24.9	7.72	G		270.768 096 78	−08.340 238 26		8.02	−1.27	14.65	1.06	0.67	1.12	1.32	0.79	−	7	−25	−15	−31	+10	−13	+	5	−41	+10	−12	2	1.15
88404	H 18 03 04.91	−08 10 48.9	4.77	G		270.770 461 45	−08.180 257 85	A	19.22	15.11	−37.61	1.03	0.69	0.97	0.94	0.67	+25	−35	−34	−11	+	9	−28	−12	−30	+17	−	1	0	−0.30
88405	18 03 04.94	−74 18 42.2	8.30	H		270.770 603 71	−74.311 722 24		17.79	−28.55	2.97	0.51	0.75	0.91	0.54	0.90	−	9	−13	+	7	+	1	+	3	−12	+	5	+	7	−	1	−15	0	0.66
88406	18 03 05.50	+52 36 11.9	8.86	H		270.772 903 09	+52.603 296 20		1.76	5.25	−3.21	0.72	0.76	0.80	0.79	0.91	−	9	+13	−25	+16	+	3	−	7	+	1	+24	−16	−19	0	1.91
88407	18 03 05.76	+36 07 15.1	8.10	H		270.773 999 54	+36.120 871 13		3.31	1.58	−1.06	0.60	0.60	0.74	0.67	0.67	+	2	−20	+	4	+28	+	7	−19	+	9	+22	−	9	+	2	0	0.25
88408	18 03 05.96	+31 56 42.4	8.05	H		270.774 815 57	+31.945 120 65		3.40	−2.40	2.60	0.63	0.63	0.83	0.73	0.72	+12	−25	−	8	+	5	+15	+	2	+11	+	5	+12	+22	2	0.46
88409	18 03 06.06	−17 24 49.9	7.59	G		270.775 264 70	−17.413 849 19		2.19	−0.43	−4.71	0.98	0.66	1.12	1.19	0.71	−35	−	8	−34	−32	+49	−48	+32	−61	+36	−58	2	1.25
88410	18 03 06.21	−04 23 15.8	9.23	H		270.775 879 09	−04.387 727 47		7.38	43.13	−80.32	1.09	0.81	1.27	1.24	0.89	−	4	−	8	−24	+14	+	2	+23	+	8	−12	−	5	−	9	0	0.08
88411	18 03 06.35	+50 41 48.3	8.26	2	H	270.776 456 65	+50.696 743 46		1.70	−16.56	8.21	0.65	0.66	0.72	0.81	0.75	+13	+	2	−26	+	1	+12	−15	+	8	+12	−	7	+18	0	−0.63
88412	18 03 06.46	−07 40 06.1	8.34	H		270.776 914 12	−07.668 368 97		12.09	−4.88	−3.56	1.13	0.68	1.24	1.02	0.76	−	9	−53	−14	+	0	−10	+	5	−14	−16	+	5	−35	0	0.25
88413	18 03 06.78	−57 19 52.3	8.77	H		270.778 256 07	−57.331 194 86		10.04	−38.35	−67.02	0.98	0.74	1.24	1.25	0.89	−	9	−31	−17	−	9	−20	+17	−22	−	4	+24	−14	0	0.84
88414	18 03 06.96	−28 33 38.0	9.62	H		270.778 979 29	−28.560 550 21		26.33	−32.48	−38.34	1.68	0.92	1.84	1.97	0.99	+	3	−44	−15	+10	+20	−14	+	3	−45	+14	−17	0	0.18
88415	18 03 08.87	+48 27 51.3	6.26	H		270.786 974 84	+48.464 236 48	A	6.20	21.37	13.43	1.13	1.11	0.95	1.19	1.15	+	9	−16	−15	−	3	−	7	+12	−	5	−12	+	6	+12	5	0.61
88416	18 03 08.96	+52 51 40.4	8.85	G		270.787 352 28	+52.861 214 01		5.29	4.01	29.62	0.69	0.72	0.74	0.74	0.89	−	7	+	0	−	6	+	8	+	6	+	2	+	9	+20	−12	−21	0	−0.48
88417	18 03 10.13	+50 03 55.6	8.45	H		270.792 228 69	+50.065 435 68		7.93	−29.59	−41.83	0.74	0.66	0.76	0.87	0.80	−	2	−24	−16	+15	−	5	−	3	−	3	+23	−12	+	0	1	0.03
88418	18 03 10.48	−56 07 30.1	8.81	H		270.793 679 90	−56.125 037 81		0.76	−0.14	−5.73	1.32	0.82	1.33	1.75	1.05	−13	−31	−	5	+12	−26	−17	−34	−10	+38	−31	0	0.08
88419	18 03 10.56	−63 14 41.4	8.87	H		270.794 019 00	−63.244 843 53		−0.52	−0.20	−5.82	0.83	0.74	1.12	0.91	0.74	+	2	−17	−10	−25	+	2	+	2	+	1	−21	+	2	+	9	0	−0.40
88420	18 03 11.04	+48 27 35.3	9.04	H		270.796 004 82	+48.459 807 67	B	3.38	−4.45	−17.86	18.13	20.39	10.35	12.81	14.03	+10	−12	−13	−	3	−	3	+16	−	1	−11	+13	+18	5	0.61
88421	18 03 11.55	+25 21 34.0	9.60	H		270.798 131 99	+25.359 430 82	C	2.93	−30.82	−26.29	27.41	54.49	6.73	31.27	39.17	−	1	−12	−11	+	1	+	8	−21	+	6	+	1	+	0	+	5	4	3.46
88422	18 03 11.59	+01 08 02.2	8.82	H		270.798 278 48	+01.133 939 40		2.44	−12.92	−12.49	1.05	0.84	1.18	1.28	1.11	+18	−34	−	8	−	6	−	6	+20	−	4	−25	+	2	+20	0	−0.11
88423	18 03 11.86	−75 41 21.4	7.82	H		270.799 429 13	−75.689 269 76		6.36	−0.56	−26.67	0.51	0.64	0.79	0.65	0.74	−	8	−13	+	9	+	4	−13	+	1	−10	−	9	−17	−15	0	0.75
88424	18 03 12.24	+25 21 55.5	8.48	H		270.801 007 47	+25.365 411 91	A	2.96	−8.73	34.40	2.16	2.65	2.90	2.48	2.73	−	1	−12	−11	+10	+	7	−25	+	5	+	4	+	0	+	6	4	3.46
88425	18 03 12.33	−58 56 07.6	9.01	H		270.801 371 57	−58.935 456 16		5.24	0.33	−28.59	1.18	0.92	1.41	1.53	1.09	−17	−17	+11	+	8	−22	−	6	−22	+	8	+17	−17	2	−1.59
88426	18 03 12.47	−36 32 51.6	8.71	H		270.801 978 21	−36.547 659 61		10.32	61.32	−105.45	1.34	0.76	1.38	1.72	0.86	+24	−37	−19	+13	−10	−	4	−22	−52	+28	+12	0	0.64
88427	18 03 12.89	+35 58 07.3	9.32	H		270.803 694 84	+35.968 685 10		11.74	−27.35	−189.64	0.84	0.89	1.09	0.92	1.06	−	1	−26	−	9	+20	+	5	−23	+	4	+21	−	4	−	8	0	1.50
88428	18 03 13.51	+37 50 23.4	8.96	H		270.806 294 47	+37.839 842 51		3.32	2.82	15.52	0.77	0.76	0.92	0.99	0.85	+	5	−	8	−	3	+20	+16	−15	+14	+17	+	1	+	5	0	−0.14
88429	18 03 14.57	+19 36 47.4	6.41	H		270.810 689 09	+19.613 158 07		8.01	−4.40	−0.47	0.55	0.52	0.75	0.63	0.66	+13	−	8	−	3	+28	+35	+	9	+37	+19	−	5	−	7	1	−0.61
88430	18 03 15.75	+17 36 28.6	8.20	H		270.815 625 08	+17.607 952 09		5.73	5.19	−16.50	0.75	0.73	1.05	0.82	0.82	+	8	−12	−13	+25	+47	−16	+44	+	0	+14	−	2	0	1.36
88431	18 03 17.29	−08 15 00.3	8.60	H		270.822 056 56	−08.250 077 78		7.15	22.84	−4.78	1.16	0.74	1.23	1.34	0.87	+	8	−32	−13	−23	−	4	−	6	−	6	−34	+	4	−	5	0	0.95
88432	H 18 03 17.38	+39 20 58.5	9.26	H		270.822 429 59	+39.349 577 40	*	8.36	10.38	−27.41	0.77	0.79	0.92	0.90	1.03	+	1	−12	−	2	+31	+	0	−	6	+	3	+25	−28	−	7	0	−1.92
88433	18 03 17.60	−31 11 55.1	8.91	H		270.823 336 34	−31.198 635 35		0.06	−5.23	−3.59	1.33	0.76	1.37	1.53	0.84	+31	−51	−23	−	4	−15	+	4	−24	−52	+22	+19	0	−0.10
88434	18 03 20.57	+19 33 21.2	6.92	2	H	270.835 718 91	+19.555 887 83		1.60	1.97	−5.68	0.65	0.60	0.88	0.75	0.76	+17	−15	−13	+35	+37	+	1	+36	+14	−10	−	9	0	−1.30
*88435	18 03 21.09	+84 08 50.6	11.21	H		270.837 875 95	+84.147 397 71		17.49	−120.45	141.44	2.89	3.21	3.31	3.39	3.67	+	8	−17	−21	−14	+	5	−	4	+	3	−22	+	8	+23	1	
*88436	18 03 21.05	+08 25 09.7	7.21	G		270.837 692 65	+08.419 374 18	+	9.66	2.68	0.51	0.96	1.04	1.13	1.08	1.34	−39	−59	+	5	−22	+32	+	7	+40	−	1	−37	+20	0	1.82
88437	18 03 21.27	+56 56 01.0	7.60	H		270.838 619 84	+56.933 617 15		2.54	−2.87	−8.40	0.56	0.57	0.59	0.64	0.61	−	3	+	2	−	1	+	7	+15	−	3	+15	−	5	−	2	+	6	1	−0.66
88438	18 03 21.57	−57 22 36.1	12.73	H		270.839 890 57	−57.376 697 70		−10.39	−6.77	−24.59	5.14	4.25	6.41	7.09	5.04	−18	−24	−13	−	5	−14	+	8	−14	+	1	+18	−27	6	1.29
88439	18 03 21.83	−17 36 36.3	7.21	H		270.840 978 70	−17.610 080 80		1.10	1.24	−5.36	0.96	0.64	1.29	1.16	0.69	−	7	−33	−49	−11	+48	−50	+10	−58	+45	−57	2	1.67
88440	18 03 22.00	−25 54 58.5	8.31	H		270.841 681 90	−25.916 251 60		10.31	−7.08	−62.90	0.95	0.64	0.96	1.12	0.68	+38	−24	−11	−10	−22	+	0	−23	−53	+	3	+33	0	−0.96
88441	18 03 23.29	−62 08 01.7	8.00	H		270.847 039 76	−62.133 796 59		7.08	35.33	39.19	0.70	0.58	0.91	0.82	0.61	+15	−	7	−15	−13	+	4	+16	+	3	−	4	+20	+30	0	−1.00
88442	18 03 23.40	−03 43 38.2	8.87	H		270.847 494 57	−03.727 286 19		5.57	−0.78	1.64	0.99	0.72	1.14	0.95	0.79	+13	−46	−19	+	0	+	0	+	7	−	4	−26	+11	+	5	0	1.08
88443	18 03 23.55	−65 05 40.1	8.36	1	H	270.848 140 26	−65.094 475 80		1.00	−0.94	−7.00	0.56	0.58	0.93	0.68	0.64	−11	−17	+	9	−12	+	7	+	2	+	6	−15	+	6	+27	0	−0.73
88444	18 03 26.08	−74 59 51.8	12.51	H																										
88445	18 03 26.35	+02 30 52.6	8.48	H		270.859 788 39	+02.514 622 68		3.92	0.74	−13.30	0.99	0.76	1.11	1.11	0.94	+24	−38	−16	−22	−23	+15	−16	−35	−	5	+32	0	−0.16
88446	18 03 26.71	−75 00 08.7	12.33	H		270.861 285 55	−75.002 424 19		−18.41	−4.85	−37.37	6.01	11.20	8.87	5.81	13.61	+20	−	5	+19	+10	−22	−16	−18	−42	−11	+25	0	2.05
88447	18 03 27.58	−29 36 46.1	10.30	G		270.864 908 84	−29.612 795 26		−0.04	0.11	−2.69	1.94	1.14	2.14	2.28	1.16	+	6	−34	−21	+12	+26	−19	+	5	−53	+17	−21	0	−0.27
88448	18 03 29.81	+10 17 47.9	7.99	H		270.874 221 45	+10.296 647 76		4.32	−14.36	−13.60	0.72	0.70	1.02	0.82	0.82	−25	−13	−10	−	6	+42	−	9	+37	+11	−18	+25	0	−0.98
88449	18 03 31.28	−63 02 27.6	8.89	H		270.880 321 42	−63.041 003 36		5.35	27.69	15.64	0.88	0.74	1.12	0.97	0.72	+	1	−23	−14	−14	−10	+	2	−	9	−11	+	3	+	6	0	0.89
88450	18 03 31.72	−78 42 05.6	8.48	H		270.882 178 53	−78.701 545 96		2.84	−50.27	−13.03	0.68	0.71	0.92	0.78	0.84	−17	−36	+10	+16	−	4	+	4	−	5	+	7	+	1	−18	0	0.34
88451	18 03 31.79	+64 51 51.3	7.66	H		270.882 456 71	+64.864 243 17		2.89	−11.90	−1.56	0.59	0.44	0.60	0.68	0.56	+11	−13	+	6	+12	+	5	+14	+	7	−17	−10	+13	0	0.38
88452	18 03 31.99	+32 46 04.1	8.63	H		270.883 272 12	+32.767 794 72		2.57	16.83	−8.65	0.61	0.75	0.92	0.71	0.86	+	7	+	5	−23	−	8	+	8	−21	+	4	+	7	+	0	+	3	0	1.63
88453	18 03 32.23	−77 16 13.9	8.66	H		270.884 276 91	−77.270 537 84		4.57	−39.81	−78.53	0.56	0.75	0.91	0.54	0.76	+	2	−15	−13	−	8	−	1	−	4	+	0	−11	−13	−10	0	−1.36
88454	18 03 33.76	−66 32 17.9	6.89	H		270.890 676 80	−66.538 310 90		4.56	16.49	−28.59	0.49	0.51	0.78	0.62	0.58	−	5	−	1	−	6	−	8	−	4	+	1	−	3	−15	+	4	+14	1	1.37
88455	18 03 35.11	+14 05 33.5	7.65	H		270.896 293 41	+14.092 632 73		7.25	21.44	−15.50	0.72	0.60	0.94	0.74	0.57	−37	−17	−	7	−24	+58	−22	+56	−	6	−11	−37	0	−0.44
88456	18 03 36.84	−58 18 10.3	8.37	H		270.903 485 43	−58.302 859 07		2.64	−1.69	−10.15	0.93	0.69	1.12	1.08	0.75	−13	−27	+	4	+23	−26	+	9	−27	−	4	+13	−12	0	0.28
88457	H 18 03 38.91	−42 52 33.9	9.86	H		270.912 140 77	−42.876 096 73	A	3.17	−5.09	−29.02	3.22	1.67	2.64	2.79	1.16	−	7	−13	+	8	+37	−53	−10	−43	−	4	+	1	−	6	1	0.28
88458	18 03 38.93	−39 24 19.0	8.03	2	H	270.912 214 34	−39.405 274 28		3.84	−2.38	−18.61	1.12	0.72	1.20	1.62	0.79	+13	−18	−	4	−	2	−14	−24	−21	−49	+15	−	7	0	−0.88
*88459	18 03 41.42	−27 05 53.1	8.58	H		270.922 577 60	−27.098 088 72		1.86	−0.18	−8.68	1.06	0.64	1.12	1.42	0.74	+	0	−16	+	5	+20	+	7	+19	+17	−38	+	4	+26	0	−0.50
*88460	18 03 41.40	−45 51 41.4	9.63	G		270.922 511 90	−45.861 488 54		13.54	51.22	−245.87	1.45	0.89	1.74	1.75	0.96	+	8	−25	+	4	+14	−47	−	2	−42	−19	+14	+19	4	−0.02
88461	18 03 41.65	−75 07 33.6	8.56	H		270.923 532 35	−75.125 997 55		2.58	8.10	−46.83	0.61	0.83	1.05	0.67	0.99	−	2	−	5	+13	−13	−10	−24	−	6	+	1	+	1	−12	1	1.56
88462	18 03 42.68	−12 46 09.9	9.05	H		270.927 846 90	−12.769 419 70		7.29	−86.61	−176.62	1.31	0.73	1.45	1.41	0.81	+	8	−42	−24	+11	−13	−	8	−15	−36	+	1	−	3	0	0.87
88463	18 03 44.08	−25 18 45.1	9.01	G		270.933 674 18	−25.312 518 91		1.59	−0.17	−1.30	1.18	0.84	1.35	1.35	0.85	+24	−39	−39	−	2	+13	−20	−11	−61	+25	−	6	2	−0.70
88464	18 03 44.09	+05 16 39.7	9.36	H		270.933 695 96	+05.277 700 83		0.62	−11.34	−15.17	1.31	1.06	1.47	1.58	1.29	+17	−25	−	4	−18	−17	−	4	−13	−20	−10	+39	0	0.60
88465	18 03 48.88	−26 50 23.2	9.65	G		270.953 657 42	−26.839 778 18		8.69	25.03	21.05	1.41	0.87	1.50	1.78	0.97	+25	−30	−16	+	9	−	7	+15	−	4	−41	+14	+32	0	−0.53
*88466	18 03 51.40	+40 49 51.0	8.18	2	H	270.964 161 47	+40.830 837 95		1.31	−0.19	−10.09	0.66	0.64	0.76	0.73	0.72	+	0	+	4	+	1	−	9	+17	−20	+17	+	6	−	6	+	9	0	−1.74
*88467	18 03 51.84	+44 57 42.7	9.41	H		270.966 003 50	+44.961 857 63		3.31	9.40	−12.94	0.75	0.80	0.88	0.86	0.88	+	8	−17	−	9	−	6	+	8	+13	+	8	+	1	+	6	+	8	1	−0.65
*88468	18 03 51.16	+05 04 06.1	9.37	H		270.963 162 95	+05.068 365 29		6.37	−21.81	0.64	1.47	1.21	1.67	1.77	1.43	+	8	−14	−12	+	8	+	0	+	7	+	1	+	6	+	1	+19	5	0.64
88469	18 03 52.44	−24 21 38.6	5.89	H		270.968 518 62	−24.360 725 89		0.66	0.64	−1.71	0.97	0.63	1.01	1.20	0.72	−24	−45	−17	−12	+53	+	0	+31	−59	+20	−46	0	0.47
88470	18 03 53.37	+36 23 41.7	8.82	H		270.972 376 74	+36.394 920 31		1.87	−4.95	−12.15	0.75	0.68	0.89	0.88	0.84	+	9	−20	−15	+28	+	7	−14	+	7	+13	−13	+	7	0	−0.57
88471	18 03 53.43	+30 22 40.4	6.79	H		270.972 645 32	+30.377 891 55		21.36	−49.10	−273.07	0.41	0.53	0.65	0.49	0.74	+	7	−12	−17	+	7	+11	−	9	+	3	−23	+14	−	3	0	−1.08
88472	18 03 53.51	+08 51 48.5	10.22	H		270.972 968 72	+08.863 472 55		6.48	7.74	8.71	1.50	1.39	1.88	1.51	1.37	+	0	−22	−39	−38	+14	+10	+13	−31	+19	+12	0	−0.94
88473	18 03 53.91	+35 58 13.1	7.45	H		270.974 623 84	+35.970 299 87		4.81	43.95	27.70	0.52	0.55	0.68	0.56	0.63	+	1	−20	−15	+17	+	7	−20	+	5	+14	−	5	−	2	0	1.13
88474	18 03 54.11	+26 39 05.0	6.93	H		270.975 475 58	+26.651 390 62		16.73	31.74	−56.92	0.44	0.49	0.69	0.58	0.57	+	3	−	7	+	1	−	5	+	4	−	9	+	4	+	5	−	9	+12	0	1.15
88475	18 03 55.65	−45 10 43.0	7.81	H		270.981 876 42	−45.178 611 24		2.01	2.33	−6.92	1.03	0.53	1.05	1.13	0.56	+	7	−39	−17	+40	−27	+	4	−29	+	1	+22	+	5	0	−0.90
88476	18 03 55.71	+58 43 27.0	8.97	H		270.982 123 10	+58.724 159 13		3.02	−3.59	−9.99	0.66	0.79	0.75	0.67	0.95	+11	+	4	+	6	+	8	+10	+	8	+12	+15	−	3	+	6	0	−0.48
88477	H 18 03 56.15	−18 32 04.3	8.83	H		270.983 951 21	−18.534 520 02	A	5.93	−6.40	−22.10	2.39	1.73	2.96	2.94	1.68	+46	−41	−57	+	6	+21	−51	−33	−66	+48	−	9	+	2	0	−2.02
88478	18 04 00.19	+09 02 14.8	8.76	H		271.000 772 45	+09.037 432 36		3.47	2.76	3.68	0.93	0.85	1.22	0.87	0.80	−17	−19	−37	−29	+24	+	3	+24	−24	+12	−	6	2	1.88
88479	18 04 00.52	+55 16 24.5	7.79	H		271.002 152 33	+55.273 482 63		11.33	−51.07	−125.86	0.65	0.59	0.65	0.68	0.69	+	6	−12	−26	+	6	+21	−17	+21	+14	−	5	+	6	3	−0.42
88480	18 04 00.85	+22 40 52.6	9.79	H		271.003 532 82	+22.681 289 70		8.63	40.66	63.43	0.92	1.15	1.66	1.08	1.43	+31	−21	−13	+48	+24	+	8	+23	+16	+20	+38	0	1.48		
*88481	18 04 01.82	+01 49 56.9	8.11	H		271.007 581 63	+01.832 483 24		29.04	95.43	−35.18	2.35	1.87	2.79	2.98	2.40	+21	−22	−	7	−10	+	0	+29	+	6	−22	+	2	+40	0			
*88482	18 04 01.68	+77 29 12.4	8.51	H		271.006 998 78	+77.486 787 30		4.10	20.67	−13.20	0.59	0.62	0.63	0.67	0.85	+	8	−	5	−	3	+	5	+10	−	7	+14	−	9	−	3	+15	0	−0.60
88483	18 04 02.64	+61 34 04.4	8.55	G		271.011 018 16	+61.567 901 09		8.67	1.98	−10.26	0.82	0.54	0.71	0.95	0.73	+16	−18	−	7	+29	+15	+	2	+19	+11	−14	+20	4	−0.08
88484	18 04 02.93	−22 33 57.4	8.27	H		271.012 197 24	−22.565 950 88		0.65	2.81	−3.33	1.06	0.70	1.10	1.25	0.77	−35	−28	+14	−15	+18	−14	+22	−42	−12	−33	0	0.20
88485	18 04 05.03	+46 26 31.3	7.58	H		271.020 947 30	+46.442 021 68		4.69	33.13	26.84	0.57	0.54	0.60	0.62	0.67	+	0	−15	−10	+12	+	4	−	6	+	3	+27	−	3	+	1	0	−0.57
88486	18 04 06.11	+47 24 14.7	9.16	H		271.025 478 88	+47.404 070 72		0.70	−5.16	−33.16	0.76	0.70	0.81	0.78	0.87	+	2	−25	−	4	+	6	+	4	+	1	+	6	+	7	−	4	+	6	0	−0.71
88487	18 04 06.60	−52 51 18.7	8.31	H		271.027 519 17	−52.855 182 19		2.60	1.23	−25.03	1.04	0.71	1.17	1.25	0.75	−24	−22	−	3	+	8	−26	−12	−25	−	4	+11	−27	0	−1.16
88488	18 04 06.88	+39 28 50.8	7.49	H		271.028 677 55	+39.480 788 60		4.95	0.10	−15.69	0.50	0.53	0.61	0.53	0.64	+	4	−	7	−	1	+10	+	5	−	7	+	6	+20	−12	+	2	0	−1.00
88489	18 04 06.90	−71 03 37.1	8.88	H		271.028 760 91	−71.060 299 59		7.85	62.27	−133.65	0.53	0.81	1.12	0.63	1.01	−	1	−	8	−	1	+10	−18	+	4	−17	+11	−18	−12	1	−0.79
88490	18 04 08.60	+71 07 51.0	9.38	H		271.035 822 05	+71.130 837 54		2.98	3.97	0.80	0.72	0.79	0.79	0.84	0.98	−11	−23	+20	−	7	+	6	+	9	+	4	+19	−	1	−	2	0	−0.78
88491	18 04 08.93	−47 43 12.6	7.69	2	H	271.037 218 28	−47.720 178 17		−1.43	−0.21	−5.76	0.92	0.57	1.14	1.05	0.65	−	3	−40	−19	+23	−36	+	4	−40	+	0	+33	−	2	0	−0.07
88492	18 04 09.18	−34 03 11.2	7.03	H		271.038 253 53	−34.053 111 32		0.33	3.47	−0.75	1.00	0.51	1.00	1.43	0.60	+12	−11	−21	+43	+	7	+16	−	5	−43	+34	+	0	0	−0.97
88493	18 04 09.91	+14 46 52.1	8.36	H		271.041 298 74	+14.781 149 00		3.29	−2.93	6.32	0.81	0.74	1.11	0.99	0.75	−	3	−26	−	5	+27	+42	−21	+37	+34	−11	−25	0	−0.54
88494	18 04 10.60	+11 08 35.5	8.78	H		271.044 175 06	+11.143 192 45		3.81	1.69	−9.54	0.72	0.62	1.23	1.10	1.08	+	0	−33	+	1	−10	+29	+13	+38	−	1	−35	−11	0	0.91
88495	18 04 14.62	−64 30 00.4	9.77	H		271.060 925 91	−64.500 113 78		3.10	−5.70	−6.99	0.79	0.75	1.18	0.88	0.76	+32	−26	−22	−22	−10	+	8	−14	−27	+19	+28	0	1.50

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
88401						1.550	0.066	G	1.62	0.10	I	10.4749	0.0050	0.030	82		10.42	10.53					1 S							G
88402	11.785	0.208	11.784	0.350							T	12.1793	0.0817	0.396	72		11.66	12.72	0.52	P 1 A			1							G
88403	8.408	0.011	7.793	0.009		0.573	0.012	T	0.65	0.01	L	7.8330	0.0015	0.010	68		7.82	7.85		C			1							S
88404	5.463	0.033	5.006	0.030	A	0.410	0.014	G	0.45	0.02	A *	4.8588	0.0006	0.005	70	*	4.85	4.87		D	18031−0811	I 1	2 C A	AB	279	1.803	0.002	0.67	0.01	S
88405	8.981	0.009	8.353	0.008		0.579	0.009	T	0.65	0.01	L	8.4221	0.0015	0.019	174		8.39	8.46					1							S
88406	10.199	0.030	9.000	0.018		1.026	0.027	T	1.00	0.02	L	9.0318	0.0023	0.022	114		9.00	9.07					1							
88407	8.310	0.009	8.115	0.010		0.193	0.001	G	0.21	0.00	H	8.1575	0.0016	0.015	125		8.13	8.18					1							S
88408	9.428	0.016	8.150	0.010		1.088	0.015	T	1.05	0.02	L	8.2162	0.0017	0.016	144		8.19	8.24					1							
88409	7.720	0.010	7.595	0.009		0.134	0.015	G	0.15	0.01	H	7.6339	0.0016	0.013	81		7.61	7.65					1							S
88410	10.654	0.051	9.358	0.027		1.097	0.046	T	1.17	0.07	L	9.3552	0.0038	0.024	69		9.29	9.38					1							
88411	10.087	0.028	8.421	0.014		1.393	0.025	T	1.37	0.03	L	8.4026	0.0095	0.067	106		8.32	8.57		U 2			1							P
88412	8.867	0.016	8.396	0.015		0.476	0.015	G	0.55	0.02	H	8.4472	0.0016	0.013	68		8.43	8.47		C			1							
88413	9.331	0.017	8.817	0.016		0.493	0.018	T	0.57	0.02	L	8.8809	0.0017	0.016	92		8.86	8.91		C			1							
88414	12.555	0.524	10.895	0.266		1.396	0.491	T	1.66	1.25	L	9.7615	0.0022	0.022	82		9.73	9.80		C			1							G
88415	6.294	0.003	6.243	0.005	A	0.037	0.003	G	0.05	0.00	H	6.2738	0.0083	0.008	126	A	6.25	6.28		D	18031+4828	I 2	1 C P B							S
88416	9.452	0.019	8.917	0.018		0.558	0.015	G	0.63	0.01	H	8.9616	0.0019	0.018	111		8.93	9.00					1							
88417	9.135	0.015	8.513	0.013		0.579	0.017	T	0.65	0.02	L	8.5791	0.0020	0.017	98		8.55	8.62		C			1							S
88418	8.817	0.016	8.797	0.020		0.019	0.023	T	0.04	0.02	L	8.8225	0.0023	0.016	73		8.80	8.85		C			1							
88419	10.790	0.041	8.990	0.016		1.499	0.035	T	1.53	0.05	L	9.0037	0.0020	0.020	126		8.98	9.04		C			1 S							
88420	10.022	0.043	8.927	0.027	B	1.041	0.034	G	1.01	0.03	I	9.0517	0.0780			B				D	18031+4828	I 2	1 C I B							
88421	10.895	0.047	9.703	0.025	C	1.021	0.041	T	0.99	0.03	L	9.8432	0.0942			C				D	18032+2522	I 2	1 C I B							
88422	10.694	0.068	8.943	0.027		1.460	0.058	T	1.47	0.09	L	8.9527	0.0016	0.016	65		8.92	8.98					1							
88423	8.079	0.006	7.837	0.008		0.226	0.010	T	0.25	0.01	L	7.8829	0.0012	0.015	167		7.85	7.91					1							S
88424	8.919	0.011	8.500	0.012	A	0.396	0.015	T	0.46	0.02	L	8.5760	0.0373	0.042	194	A	8.45	8.63		D	18032+2522	I 2	1 C P B							
88425	9.664	0.021	9.103	0.020		0.525	0.026	T	0.60	0.03	L	9.1247	0.0023	0.017	84		9.09	9.16		C			1							
88426	9.420	0.020	8.820	0.018		0.559	0.020	T	0.63	0.02	L	8.8263	0.0021	0.015	97		8.80	8.86		C			1							
88427	10.093	0.025	9.376	0.021		0.659	0.026	T	0.72	0.02	L	9.4616	0.0025	0.023	130		9.42	9.50		C			1							
88428	10.460	0.032	9.060	0.017		1.183	0.028	T	1.14	0.03	L	9.1249	0.0022	0.020	127		9.09	9.16		C			1							
88429	6.431	0.004	6.413	0.004		0.017	0.005	T	0.04	0.01	L	6.4248	0.0009	0.007	119		6.41	6.44		C			1							S
88430	9.631	0.016	8.325	0.010		1.110	0.015	T	1.07	0.02	L	8.3722	0.0017	0.018	130		8.34	8.40		C			1							
88431	9.000	0.023	8.653	0.025		0.329	0.032	T	0.38	0.04	L	8.6808	0.0027	0.014	68		8.67	8.71					1							
88432	9.954	0.022	9.347	0.020	*	0.566	0.026	T	0.64	0.02	L *	9.3857	0.0024	0.019	120	*	9.35	9.42		C	18033+3921	I 1	2 C S C	AS	54	0.140	0.034	0.05	0.80	
88433	9.406	0.022	8.998	0.024		0.470	0.015	G	0.54	0.02	H	9.0160	0.0019	0.015	85		8.99	9.04		C			1							
88434	8.937	0.014	7.145	0.007		1.620	0.015	G	2.67	0.03	C	6.9106	0.0042	0.041	117		6.82	6.97		U 2 C			1 S							S
88435											T	11.3385	0.0051	0.050	112		11.24	11.41		C			1 X S							G
88436	7.363	0.007	7.230	0.007		0.118	0.015	G	0.13	0.01	H	7.2542	0.0010	0.008	70		7.24	7.27		C			1 O							S
88437	9.360	0.017	7.746	0.009		1.352	0.015	T	1.32	0.02	L	7.7531	0.0016	0.012	110		7.73	7.77					1							S
88438											T	12.8708	0.0172	0.125	75		12.56	13.11					1							G
88439	7.421	0.007	7.236	0.009		0.177	0.011	T	0.19	0.01	L	7.2680	0.0011	0.011	81		7.25	7.29					1							S
88440	8.801	0.014	8.345	0.014		0.446	0.020	G	0.52	0.02	H	8.4047	0.0015	0.012	87		8.38	8.43					1							
88441	9.044	0.014	8.091	0.010		0.839	0.013	T	0.86	0.01	L	8.1524	0.0011	0.011	115		8.13	8.18					1							
88442	9.299	0.017	8.896	0.017		0.325	0.020	G	0.38	0.03	H	8.9509	0.0020	0.017	73		8.91	8.99		C			1							
88443	8.260	0.007	8.349	0.009		−0.076	0.010	T	−0.06	0.01	L	8.3456	0.0014	0.022	170		8.31	8.37		U			1							
88444											T	12.6536	0.0307	0.250	133		12.23	13.06		D	18034−7500	I 2	S							G
88445	8.583	0.016	8.503	0.019		0.079	0.023	T	0.09	0.03	L	8.5106	0.0021	0.012	55		8.49	8.53		C	18034+0231	I 1	1							S
88446											T	12.4718	0.0185	0.185	163		12.09	12.79		D	18034−7500	I 2	1 G							D
88447						1.800	0.047	G	1.78	0.05	J	10.2658	0.0031	0.028	89		10.22	10.33		C			1 S							G
88448	9.436	0.017	8.131	0.010		1.109	0.015	T	1.07	0.02	L	8.1568	0.0017	0.011	109		8.14	8.18					1							
88449	9.607	0.018	8.930	0.015		0.615	0.018	T	0.68	0.02	L	9.0200	0.0023	0.019	125		8.99	9.06		C			1							
88450	10.043	0.020	8.605	0.011		1.213	0.018	T	1.17	0.02	L	8.6403	0.0019	0.019	147		8.60	8.67					1							
88451	9.246	0.016	7.807	0.009		1.214	0.014	T	1.17	0.01	L	7.8210	0.0017	0.013	104		7.80	7.84		C			1 S							S
88452	10.303	0.024	8.747	0.012		1.306	0.021	T	1.27	0.02	L	8.7889	0.0017	0.019	138		8.76	8.83					1							
88453	9.299	0.012	8.725	0.011		0.540	0.012	T	0.61	0.01	L	8.7797	0.0019	0.019	162		8.74	8.81		C			1							
88454	8.355	0.008	7.013	0.005		1.138	0.007	T	1.10	0.01	L	7.0605	0.0013	0.011	153		7.05	7.08					1							S
88455	8.036	0.006	7.680	0.006		0.356	0.001	G	0.42	0.00	H	7.7337	0.0008	0.010	151		7.72	7.76					1							S
88456	9.574	0.021	8.478	0.014		0.947	0.019	T	0.94	0.01	L	8.5345	0.0022	0.019	93		8.50	8.56					1							
88457	10.562	0.039	9.967	0.037	A						T *	9.9760	0.0027	0.025	112	*	9.94	10.02		D	18036−4253	I 1	2 C A	AB	279	1.990	0.031	2.03	0.08	G
88458	10.224	0.035	8.239	0.013		1.682	0.031	T	2.16	0.07	O	8.0984	0.0036	0.028	88		8.06	8.15		U 2			1							
88459	10.818	0.071	8.816	0.023		1.659	0.059	T	1.68	0.06	L	8.6951	0.0021	0.013	84		8.67	8.72		C			1 S							
88460	10.566	0.036	9.702	0.027		0.789	0.016	G	0.83	0.01	H	9.7961	0.0022	0.024	117		9.75	9.83		C			1							G
88461	8.957	0.010	8.589	0.010		0.359	0.012	T	0.42	0.01	L	8.6403	0.0019	0.021	176		8.60	8.68					1							
88462	10.417	0.050	9.160	0.029		1.071	0.045	T	1.04	0.04	L	9.2194	0.0020	0.015	57		9.20	9.24		C			1							
88463	9.326	0.018	9.034	0.020		0.303	0.013	G	0.35	0.02	H	9.0887	0.0024	0.018	78		9.05	9.12					1							
88464	11.495	0.139	9.550	0.036		1.614	0.114	T	1.64	0.12	L	9.4699	0.0033	0.020	56		9.43	9.52		C			1							
88465	10.485	0.051	9.748	0.046		0.690	0.020	G	0.75	0.02	H	9.7637	0.0033	0.022	89		9.73	9.80					1							G
88466	10.370	0.026	8.375	0.010		1.653	0.022	T	1.68	0.02	L	8.2915	0.0039	0.031	113		8.24	8.33		U 2			1							S
88467	9.753	0.020	9.429	0.022		0.308	0.028	T	0.35	0.04	L	9.4909	0.0021	0.019	123		9.45	9.53					1							
88468	9.971	0.039	9.395	0.037		0.538	0.048	T	0.61	0.05	L	9.4868	0.0042	0.022	44		9.45	9.52		C			1							
88469	5.933	0.005	5.931	0.005		0.031	0.031	G	0.20	0.03	C	5.9561	0.0009	0.007	68		5.95	5.97					1							S
88470	10.202	0.029	8.934	0.017		1.080	0.026	T	1.04	0.02	L	8.9932	0.0023	0.015	121		8.96	9.02					1							
88471	7.388	0.006	6.840	0.005		0.531	0.003	G	0.60	0.00	H	6.9013	0.0008	0.008	141		6.89	6.92		C			1 G							S
88472	11.204	0.078	10.274	0.053		0.822	0.070	T	0.84	0.05	L	10.3781	0.0029	0.028	70		10.32	10.42		C			1							G
88473	8.774	0.010	7.574	0.007		1.027	0.010	T	1.00	0.01	L	7.6188	0.0013	0.012	138		7.60	7.64		C			1							S
88474	7.424	0.005	6.981	0.004		0.432	0.005	T	0.50	0.01	L	7.0232	0.0010	0.010	173		7.01	7.04			18039+2639	I 1	1							S
88475	7.761	0.009	7.806	0.012		−0.027	0.004	G	−0.01	0.00	H	7.8138	0.0010	0.010	100		7.79	7.83		C			1							S
88476	10.257	0.027	9.080	0.016		1.009	0.024	T	0.98	0.02	L	9.1308	0.0019	0.019	113		9.10	9.17		C			1							
88477	10.346	0.036	9.079	0.021	A	0.700	0.495	G	0.92	0.07	L *	8.9899	0.0024	0.017	67	*	8.95	9.03		D	18039−1832	I 1	2 C A	AB	65	8.915	0.022	2.17	0.06	
88478	9.009	0.017	8.754	0.019		0.243	0.024	T	0.27	0.03	L	8.8345	0.0015	0.016	71		8.81	8.86		C			1							
88479	8.330	0.012	7.845	0.010		0.456	0.014	T	0.53	0.01	L	7.8894	0.0013	0.011	95		7.87	7.91		C			1							S
88480	10.960	0.039	9.885	0.025		0.921	0.036	T	0.97	0.04	L	9.9338	0.0025	0.034	144		9.87	9.99					1							G
88481	9.124	0.019	8.229	0.015		0.796	0.018	T	0.83	0.01	L	8.2638	0.0023	0.012	58		8.24	8.28		C			1 X							S
88482	8.839	0.012	8.544	0.013		0.300	0.015	G	0.34	0.02	H	8.5849	0.0015	0.014	111		8.56	8.61		C			1							
88483	9.142	0.015	8.590	0.014		0.526	0.015	G	0.60	0.02	H	8.6656	0.0017	0.015	95		8.64	8.69		C			1							
88484	8.233	0.011	8.285	0.014		0.010	0.015	G	0.03	0.01	H	8.2792	0.0021	0.017	78		8.26	8.31					1							
88485	8.903	0.012	7.704	0.008		1.026	0.011	T	1.00	0.01	L	7.7504	0.0013	0.012	124		7.73	7.78		C			1							S
88486	10.998	0.050	9.328	0.020		1.396	0.043	T	1.37	0.05	L	9.3107	0.0019	0.017	108		9.28	9.34		C			1							
88487	10.144	0.031	8.481	0.015		1.390	0.027	T	1.36	0.03	L	8.4565	0.0020	0.015	85		8.43	8.48					1							
88488	7.568	0.006	7.503	0.007		0.065	0.009	T	0.07	0.01	L	7.5193	0.0009	0.009	121		7.50	7.53		C			1							S
88489	9.739	0.013	8.939	0.011		0.708	0.013	T	0.76	0.01	L	9.0150	0.0016	0.021	239		8.99	9.06					1							
88490	9.720	0.020	9.345	0.022		0.355	0.028	T	0.42	0.03	L	9.4591	0.0026	0.022	104		9.42	9.50		C			1							
88491	10.043	0.023	7.909	0.009		1.804	0.020	T	2.54	0.04	O	7.7038	0.0073	0.068	119		7.64	7.83		U 2 C			1 S							
88492	8.912	0.022	7.168	0.011		1.454	0.019	T	1.46	0.03	L	7.1650	0.0014	0.010	85		7.15	7.18					1							S
88493	8.472	0.010	8.373	0.013		0.097	0.015	T	0.11	0.02	L	8.3994	0.0022	0.018	149		8.37	8.43			18042+1447	I 1	1 S							S
88494	8.756	0.009	8.777	0.012		−0.015	0.014	T	0.01	0.01	L	8.7827	0.0011	0.013	124		8.76	8.81					1							
88495	10.272	0.026	9.876	0.027		1.470	0.015	G	0.67	0.08	S	9.9006	0.0054	0.036	135		9.85	9.96		R			1							D
88496	9.377	0.081	9.271	0.111		0.033	0.011	G	0.05	0.01	H	9.1153	0.0027	0.018	70		9.09	9.15		C			1 S							G
88497	10.730	0.038	8.863	0.014		1.552	0.032	T	1.57	0.03	L	8.8268	0.0013	0.012	111		8.80	8.85		C			1							
88498	8.159	0.010	7.862	0.010	*	0.296	0.006	G	0.34	0.01	H *	7.9019	0.0014	0.012	111	*	7.88	7.92		C	18043+4206	M 1	2 C S B	AS	7	0.110	0.014	0.78	0.82	S
88499	12.524	0.234	11.121	0.106		1.480	0.020	G	1.95	0.12	I	10.8946	0.0050	0.053	131		10.81	10.99		R			1							G
88500	8.821	0.014	8.313	0.014		0.488	0.015	T	0.56	0.02	L	8.3863	0.0018	0.013	87		8.36	8.41		C			1							

Number HIP 1 2	Descriptor: epoch J1991.25 RA h m s 3	Dec ±° ′ ″ 4	V mag 5 6 7		Position: epoch J1991.25 α (ICRS) deg 8	δ deg 9 10	Par. π mas 11	Proper Motion $\mu_{\alpha*}$ mas/yr 12	μ_δ 13	Standard Errors α* mas 14	δ 15	π mas 16	$\mu_{\alpha*}$ mas/yr 17	μ_δ 18	Astrometric Correlations (%) δ α* 19	π α* 20	π δ 21	$\mu_{\alpha*}$ α* 22	$\mu_{\alpha*}$ δ 23	$\mu_{\alpha*}$ π 24	μ_δ α* 25	μ_δ δ 26	μ_δ π 27	μ_δ $\mu_{\alpha*}$ 28	Soln F1 % 29	F2 30
88501	18 04 18.30	−26 59 33.5	9.37	H	271.076 254 16	−26.992 640 63	3.62	3.59	−4.86	1.41	0.83	1.54	1.93	0.95	+18	−20	−15	+22	−	1	+26	+	6	−38	+23	+34	0	−0.14
88502	18 04 20.45	−10 54 37.8	7.63	G	271.085 220 66	−10.910 503 26	13.31	−8.12	−5.25	0.89	0.56	1.02	1.08	0.66	−	6	−21	−15	+	0	+	5	−25	−	5	−31	+	8	−30	0	−0.60
88503	18 04 20.50	+18 47 50.7	9.22	H	271.085 420 65	+18.797 416 93	4.35	−1.78	3.32	0.99	1.03	1.44	1.14	1.37	+	2	−10	+	7	+14	+50	−	9	+50	−	5	+	9	−22	0	0.34
88504	18 04 21.39	−17 21 12.4	7.51	H	271.089 126 56	−17.353 453 24	4.45	4.20	−1.43	0.91	0.57	1.03	0.97	0.62	−13	−36	−23	−	5	+16	−20	+	4	−30	+15	−35	0	0.63
88505	18 04 21.80	+50 47 59.4	8.74	H	271.090 829 42	+50.799 843 41	4.03	3.64	4.20	0.73	0.74	0.79	0.89	0.93	+12	−11	−11	+	6	+10	−	9	+10	+13	−11	+16	0	−0.14
88506	18 04 23.23	−24 26 16.7	8.93	G	271.096 779 16	−24.437 971 11	−0.99	1.29	−2.57	1.61	1.08	1.61	1.81	1.18	−30	−49	−10	−30	+50	+	2	+35	−71	+	6	−52	0	1.75
88507	18 04 23.35	−56 38 40.6	8.71	H	271.097 286 43	−56.644 613 08	0.95	0.27	−3.53	1.14	0.83	1.34	1.60	1.10	−	6	−29	−23	−	4	−12	−	5	−21	−17	+39	−22	0	0.93
88508	18 04 24.31	−22 26 18.8	9.96	G	271.101 294 84	−22.438 555 15	1.39	1.29	−2.81	1.57	0.90	1.69	1.58	0.95	+17	−48	−10	−11	−	5	−	6	−	9	−41	+	2	−	2	1.02
88509 H	18 04 25.78	−65 47 03.3	9.79	H	271.107 415 36	−65.784 247 92 *	6.86	5.80	−11.42	2.45	4.40	2.04	1.78	1.62	+42	−10	+	2	+11	+	2	+27	−	2	+	5	+25	+22	1	−0.53
88510 H	18 04 26.16	−59 52 31.6	8.21	H	271.109 009 12	−59.875 452 86 *	13.90	−20.41	−172.41	1.81	1.09	1.20	1.13	0.65	+	7	−11	−12	−26	+	1	+	3	−	3	−13	+24	+30	2	−0.18
88511	18 04 26.39	+06 26 10.4	7.96	H	271.109 948 54	+06.436 220 72	30.59	−63.57	71.02	0.97	0.79	1.14	1.08	0.87	−	9	−14	−30	−34	+27	+	6	+17	−	4	+24	+11	0	−1.15
88512	18 04 26.75	−59 10 40.5	7.04	H	271.111 462 25	−59.177 905 96	2.59	22.15	1.06	0.76	0.58	0.91	0.94	0.66	−19	−27	+	6	+13	−16	−	5	−19	+	0	+19	−25	0	0.54
88513	18 04 26.79	+78 21 48.0	9.58	H	271.111 606 09	+78.363 330 68	5.12	−22.35	2.21	0.79	0.93	0.90	0.83	1.18	−	8	+	3	−	5	−	6	+14	−11	+17	−11	−	2	−	1	2	−1.07
88514 H	18 04 27.74	+73 16 21.6	9.25	G	271.115 589 56	+73.272 661 18 A	3.28	−1.29	27.16	1.20	1.35	1.25	1.27	1.79	+	9	−16	−	7	−	4	+	4	−	2	+	4	+	0	+	3	−	3	2	0.52
88515	18 04 29.90	+42 51 38.2	7.09	H	271.124 584 40	+42.860 617 90	2.68	4.27	1.65	0.50	0.48	0.57	0.61	0.57	+	4	+	5	−	6	−	3	+12	−26	+10	+12	−	5	+	4	0	−0.47
88516	18 04 32.27	+01 14 15.4	7.57	H	271.134 466 94	+01.237 611 86	10.20	25.71	6.03	0.75	0.64	0.89	0.79	0.79	+	4	−25	+13	−	2	−18	+14	−15	−20	−27	−	5	0	0.04
88517	18 04 32.81	−42 13 24.2	8.39	2 T	271.136 710 94	−42.223 375 34	3.78	16.48	−14.84	1.06	0.55	1.25	1.01	0.50	+12	−39	+	3	+29	−30	−12	−28	+	8	+	5	+	8	3	1.28
88518	18 04 33.78	+63 47 46.3	7.31	H	271.140 769 81	+63.796 199 45	2.34	−10.13	18.55	0.54	0.44	0.57	0.61	0.60	+	7	−13	+	6	−	1	+14	−	6	+18	−25	−18	+	2	1	0.19
88519	18 04 33.92	+21 44 22.4	8.73	H	271.141 328 74	+21.739 562 00	1.30	−12.47	3.81	0.61	0.85	1.19	0.85	1.12	+	2	−13	−	6	+24	−	8	+	7	−	6	+12	+	8	+15	1	0.34
88520 H	18 04 34.56	+12 39 54.5	9.79	H	271.144 009 03	+12.665 146 43 *	3.84	−3.19	5.33	0.95	0.93	1.48	1.27	1.33	+19	−27	−20	−	5	+11	+	0	+16	−	8	−24	−	5	4	1.80
88521	18 04 37.24	+27 22 27.8	10.68	H	271.155 150 20	+27.374 386 87	0.90	3.48	−3.85	1.26	1.45	1.95	1.50	1.49	+	9	−26	+	5	+15	+13	−25	+15	+	5	−	8	+23	2	0.44
88522	18 04 37.36	+01 55 08.4	6.14	1 H	271.155 655 00	+01.919 007 10	−0.76	−0.06	−6.25	0.75	0.55	0.89	0.95	0.70	+11	−24	−	4	+	5	+	3	+33	+	7	−13	+	6	+23	0	1.95
88523	18 04 37.69	−40 38 15.1	7.19	H	271.157 060 77	−40.637 540 47	3.17	−1.83	−12.92	0.88	0.46	0.94	1.02	0.49	−	9	−36	−	1	+27	−13	−	5	−15	−17	+16	−	8	0	0.25
88524	18 04 38.82	−61 28 47.4	9.07	H	271.161 737 97	−61.479 846 96	1.92	−0.65	−3.92	0.95	0.73	1.20	0.98	0.72	+27	−34	−19	−	9	+	1	+11	−	1	−	5	+	9	+37	0	1.08
88525	18 04 39.08	+27 06 54.9	7.19	H	271.162 816 45	+27.115 248 86	6.24	26.45	−11.29	0.45	0.53	0.72	0.58	0.58	+	2	+	3	−	8	−	5	+	9	−17	+	4	+12	−	8	+19	2	−0.55
88526	18 04 39.44	+32 34 41.7	7.94	H	271.164 324 11	+32.578 250 90	1.36	3.58	−0.98	0.57	0.64	0.80	0.67	0.81	+	9	−	6	−15	−	8	+	8	−10	+	6	+	2	+19	+	7	0	−1.19
88527	18 04 40.09	+03 46 45.4	7.31	1 G	271.167 035 74	+03.779 290 45	2.20	−28.55	−82.87	0.82	0.68	1.04	0.83	0.68	+21	−43	−37	−	6	+	1	+26	+	5	−13	+19	+35	0	−0.68
88528	18 04 40.20	+23 56 31.8	6.34	H	271.167 493 39	+23.942 170 79	16.12	16.27	−70.55	0.29	0.49	0.68	0.38	0.54	+	6	−12	−12	+19	+11	−	3	+	9	+	3	+	8	+12	0	−0.63
88529	18 04 41.14	+59 39 40.1	9.72	G	271.171 431 85	+59.661 150 35	2.79	0.83	−6.57	1.02	0.86	0.96	1.40	1.15	+20	+	7	+	6	+22	+	9	+12	+10	−	1	−	1	+25	3	1.24
88530	18 04 41.34	+31 11 37.8	9.40	H	271.172 237 04	+31.193 837 69	1.27	2.54	5.63	0.77	0.93	1.16	0.83	1.16	+	4	−21	−27	+21	+	5	−17	−	4	−	2	+21	−	1	0	3.88
88531	18 04 42.82	−59 12 34.0	6.88	G	271.178 426 90	−59.209 448 95	25.56	−198.46	−51.79	0.73	0.53	0.86	0.87	0.60	−11	−29	−	1	+11	−19	−	3	−23	+	0	+22	−21	0	2.38
88532	18 04 42.90	−15 21 44.4	8.15	H	271.178 742 43	−15.362 324 43	2.86	1.07	1.16	0.98	0.61	1.13	1.16	0.72	+	7	−27	−31	+23	+16	−19	−	5	−20	+30	−32	0	−0.10
88533	18 04 43.18	+40 05 02.8	6.52	H	271.179 910 43	+40.084 124 85	19.93	25.53	23.73	0.45	0.43	0.51	0.47	0.48	+	0	+	2	−	1	−	4	+	9	−13	+	9	+	0	−	4	+13	0	−1.00
88534	18 04 43.39	+07 50 53.3	10.57	G	271.180 797 54	+07.848 130 56	−0.10	3.66	−6.61	1.70	1.42	2.16	1.82	1.59	+21	−48	−41	−38	−	3	+32	+	4	−	7	+	5	+27	0	−0.37
88535	18 04 43.96	+24 48 52.2	9.42	H	271.183 176 92	+24.814 497 28	2.24	−0.47	−1.79	0.69	0.94	1.27	0.77	1.03	+10	−19	−17	+	4	+	7	−	2	+	6	+24	+	0	+	7	0	1.90
88536	18 04 44.75	+51 52 56.4	8.65	H	271.186 462 44	+51.882 332 21	11.21	22.56	−79.97	0.73	0.69	0.75	0.92	0.88	−19	−	4	−21	−19	−	3	+18	+	0	+16	−	6	−17	0	1.79
88537	18 04 45.21	+23 53 12.5	8.48	2 H	271.188 392 83	+23.886 813 88 A	6.48	17.46	−26.69	0.96	1.61	2.06	1.19	1.71	+	6	−13	−12	+20	+12	+	1	+	8	−	3	+26	+11	1	2.01
88538 H	18 04 45.51	−80 37 44.2	8.94	2 H	271.189 625 41	−80.628 953 31 A	5.73	26.61	−15.79	1.42	1.60	1.62	1.04	1.41	−	6	−18	+	2	−20	−	6	+15	−10	+42	+	0	−	2	0	1.51
88539	18 04 46.43	+19 45 51.1	9.07	H	271.193 477 62	+19.764 206 07	3.02	−6.57	−11.54	0.93	0.92	1.37	0.95	1.19	+16	−19	−	5	+29	+43	+	5	+47	+	5	−13	−	1	0	−0.87
88540	18 04 48.36	−72 21 56.7	8.47	H	271.201 488 13	−72.365 741 68	4.11	−2.81	−13.13	0.55	0.83	1.11	0.61	0.93	−	9	−	5	−	4	+15	−14	−10	−15	−	1	−	7	−17	0	−0.56
88541	18 04 48.49	−25 36 20.5	7.20	H	271.202 029 09	−25.605 693 13	2.28	−1.13	−2.17	0.81	0.55	0.89	0.99	0.61	+14	−28	−19	−	6	+	2	−14	−	8	−54	+16	+	0	0	0.63
88542	18 04 48.64	−34 43 46.5	8.27	H	271.202 660 64	−34.729 592 01	3.74	5.46	−11.62	1.22	0.64	1.18	1.83	0.75	+13	−12	−21	+45	+	2	+13	−	5	−47	+30	+	7	0	−0.14
88543	18 04 48.81	+42 57 27.8	7.29	H	271.203 369 23	+42.957 725 27	5.69	−0.31	17.02	0.51	0.49	0.58	0.62	0.57	+	1	+	4	−	4	−	9	+15	−26	+14	+	6	+	0	−	1	1	−0.93
88544	18 04 49.10	−45 35 01.3	7.65	H	271.204 572 96	−45.583 700 01	4.22	−8.07	8.92	0.93	0.60	1.10	1.21	0.64	−	4	−20	+23	+23	−41	−11	−27	−20	+	1	+24	0	0.20
88545	18 04 49.26	+37 50 02.7	8.35	H	271.205 239 42	+37.834 076 28	8.14	−10.96	−0.18	0.61	0.63	0.75	0.75	0.69	−	3	−16	−	8	+	7	+17	−15	+14	+18	−	4	+	0	0	−0.10
*88546 H	18 04 49.60	+53 43 46.0	9.50	H	271.206 662 25	+53.729 449 89 A	−0.89	5.67	8.20	1.87	1.56	1.47	1.79	1.64	+14	−14	−	4	+10	−	4	+	0	−	3	+	2	−16	−	8	1	−1.31
*88547 H	18 04 49.49	−72 57 06.7	7.95	H	271.206 221 38	−72.951 861 05 A	8.30	−2.69	−41.10	0.74	1.01	1.18	0.76	1.06	−	2	−11	−	1	+17	−11	−17	−11	+23	+13	−10	1	−0.16
88548	18 04 49.78	−20 49 17.3	8.82	H	271.207 401 72	−20.821 460 00	1.53	−1.61	−4.61	1.10	0.68	1.25	1.20	0.76	+18	−38	−22	+	8	+15	−15	+	1	−27	+21	−	1	0	1.34
88549	18 04 49.89	−43 50 24.8	8.71	H	271.207 876 09	−43.840 222 09	4.27	5.18	−6.22	1.06	0.57	1.12	1.23	0.58	+	0	−25	−	8	+41	−29	+	3	−28	−	3	+24	+	2	0	−0.29
88550	18 04 50.39	−35 54 04.9	5.98	H	271.209 957 33	−35.901 360 32	9.18	−14.00	−33.55	0.72	0.48	0.78	0.99	0.58	+	2	−17	−14	+12	+	4	−	3	−	1	−40	+25	+	0	0	0.78
88551	18 04 51.54	−50 26 26.6	8.19	H	271.214 741 33	−50.440 725 17	1.05	1.62	−5.80	0.92	0.60	1.13	1.00	0.60	−16	−25	−19	+26	−40	+10	−39	+	6	+18	−19		0	1.34
88552	18 04 52.43	+33 16 22.1	7.67	H	271.218 439 48	+33.272 796 52	21.55	5.80	−197.53	0.53	0.61	0.77	0.60	0.71	+	7	−19	−16	+23	+10	−24	+	3	+10	+18	+	7	0	0.69
88553	18 04 53.70	−44 39 43.9	8.46	H	271.223 764 63	−44.662 201 40	26.99	38.36	4.97	1.07	0.59	1.19	1.24	0.64	+	4	−37	−	6	+23	−25	+	0	−25	−	8	+22	+12	0	0.87
88554 H	18 04 55.39	+85 28 16.0	9.12	H	271.230 793 14	+85.471 104 52 A	9.23	10.77	−26.36	3.27	3.19	1.95	1.94	2.12	+28	−	6	−	4	+	0	−	3	+16	−	4	+	9	+11	+23	4	3.81
88555 H	18 04 56.93	+48 08 09.8	7.53	H	271.237 196 21	+48.136 043 62 A	8.74	8.30	8.37	0.68	0.63	0.66	0.68	0.70	+	7	−23	+	5	−	2	−	4	+12	−10	+	4	+13	+17	4	−0.53
88556	18 04 56.93	+03 13 25.0	9.05	H	271.237 218 28	+03.223 606 31	2.01	0.97	−9.64	1.05	0.99	1.26	1.29	1.16	+21	−19	−35	−19	−	9	+11	−	8	−25	+18	+35	0	0.85
88557	18 04 57.08	−41 47 08.1	9.71	H	271.237 842 58	−41.785 569 86	8.85	9.98	−66.17	1.80	0.83	1.92	1.83	0.78	−	1	−38	+	0	+39	−40	+	8	−36	−	2	+16	+	6	0	0.86
88558	18 04 57.44	−15 17 19.0	7.90	H	271.239 326 93	−15.288 612 54	9.45	22.58	−38.72	0.97	0.58	1.08	1.09	0.67	−	6	−31	−26	+19	+13	−15	−	5	−24	+25	−36	0	0.83
88559	18 04 57.99	+34 00 26.8	10.14	H	271.241 642 71	+34.007 449 51	−0.36	2.00	1.34	0.97	1.17	1.34	1.05	1.39	+10	−10	+	0	+13	+16	+13	+15	+27	+10	+19		1	0.13
88560	18 04 58.19	−24 40 50.9	7.33	G	271.242 455 90	−24.680 804 87	1.54	−1.45	−3.34	1.34	0.81	1.44	1.36	0.89	+	1	−64	−29	−28	+37	−	5	+	9	−74	+19	−42	0	2.21
88561	18 04 58.74	−06 21 02.1	8.61	H	271.244 755 60	−06.350 589 32	6.18	−3.29	0.80	0.86	0.64	0.98	0.91	0.68	+18	−21	−23	−	9	+	0	+	5	−	2	−19	+11	+10	0	1.82
88562	18 04 59.01	+29 04 51.6	7.03	H	271.245 880 37	+29.081 013 57	5.12	−11.43	−10.24	0.46	0.53	0.66	0.54	0.56	+	1	−13	+	6	−	5	+15	−	2	+14	−16	+10	+21	1	1.03
88563	18 05 00.38	+16 55 36.0	6.97	2 H	271.251 572 49	+16.926 676 36	3.63	−7.01	−5.81	0.57	0.51	0.78	0.69	0.56	+	6	−12	−	3	+13	+51	−18	+48	+	5	+	0	−	4	0	0.90
88564 H	18 05 00.76	−44 45 11.1	10.08	H	271.253 149 15	−44.753 087 53 A	15.83	2.15	−219.54	3.28	1.96	3.10	3.51	1.71	+17	−27	+	3	+17	−23	−10	−22	−	4	+10	+	5	1	0.23
88565	18 05 00.81	+41 56 45.8	6.38	H	271.253 392 89	+41.946 051 35	17.44	−19.75	98.16	0.48	0.47	0.56	0.52	0.56	+	2	−	2	+13	+15	+10	−	6	+	9	+	8	−	4	−	2	0	−0.35
88566	18 05 01.00	−35 24 52.4	8.32	H	271.254 184 29	−35.414 556 64	4.15	−1.80	−18.48	1.14	0.70	1.14	1.65	0.80	−11	−13	−	2	+30	+	7	+	1	+	7	−47	+15	−	6	0	−2.27
88567	18 05 01.22	−29 34 48.3	4.66	3 H	271.255 093 80	−29.580 076 20	1.57	4.03	−4.61	0.89	0.47	0.93	0.92	0.52	+	5	−57	−	9	+24	+14	−14	+	8	−24	+	4	+	1	0	0.47
88568	18 05 01.85	+22 54 51.6	7.36	H	271.257 704 34	+22.914 319 49	3.67	−2.81	−0.42	0.48	0.59	0.91	0.58	0.69	+18	−28	−28	+22	+	9	−	2	+	5	−	3	+20	+22	0	0.85
88569	18 05 04.31	+45 42 10.5	8.35	H	271.267 938 63	+45.702 922 39	3.71	0.14	−1.19	0.64	0.57	0.68	0.71	0.69	+	1	−	9	−	4	−	5	+12	−24	+12	+22	−	1	+	1	1	0.61
88570	18 05 04.60	+20 03 55.8	8.50	H	271.269 177 28	+20.065 507 79	2.59	−13.55	−5.47	0.75	0.84	1.15	0.74	0.99	+17	−14	−	2	+23	+45	+	6	+49	+18	+	2	+11		0	−0.75
88571	18 05 05.48	+34 28 11.4	8.74	H	271.272 838 00	+34.469 845 09	2.65	−0.95	8.93	0.60	0.64	0.78	0.70	0.80	+	4	−	6	−21	+	0	−	6	+	4	−	4	+20	−	7	−	4	4	1.77
88572	18 05 05.76	+53 21 58.8	8.77	H	271.273 983 20	+53.366 328 37	18.46	−31.22	95.12	0.70	0.70	0.77	0.73	0.87	+	0	−13	−	9	+	8	+	2	+	2	+	5	+12	−21	−11	0	0.67
88573	18 05 06.41	−49 07 58.0	11.12	G	271.276 711 29	−49.132 768 39	−6.17	−4.98	−5.80	2.06	1.33	2.48	2.46	1.43	−17	−28	+	0	+23	−28	−	3	−27	+	1	+18	−14	0	−0.26
88574	18 05 07.25	−03 01 49.8	9.37	G	271.280 190 98	−03.030 511 02	128.28	570.14	−332.59	1.29	0.92	1.44	1.22	1.00	−	4	−45	−	9	−12	+10	−	4	+	7	−29	+	7	−	2	0	−0.56
88575	18 05 08.42	+09 23 01.1	9.20	H	271.285 094 08	+09.383 644 76	3.29	20.84	−10.01	1.11	0.98	1.44	1.03	1.00	−12	−31	−20	−29	+17	+	4	+16	−17	+	2	+	0		0	0.20
88576	18 05 08.67	+05 48 19.9	8.26	H	271.286 134 94	+05.805 537 90	4.56	−25.21	6.42	0.95	0.78	1.07	1.02	0.84	−14	−16	−28	−36	+15	+	6	+	7	−	7	+	9	+11	0	2.01
88577	18 05 09.43	−40 26 52.4	9.31	H	271.289 290 45	−40.447 887 59	4.60	−1.42	−24.50	1.33	0.85	1.42	1.91	0.96	−	4	−	8	+	9	+19	+	2	−24	−	2	−36	+	3	−16	0	−1.51
88578	18 05 09.75	+17 06 15.3	8.67	H	271.290 634 07	+17.104 238 69	4.98	−3.29	6.88	0.80	0.73	1.03	0.94	0.79	+20	−12	−	6	+31	+52	−10	+47	+19	+	1	+	1	0	−0.44
88579	18 05 09.88	−63 44 32.1	8.64	H	271.291 173 22	−63.742 242 64	1.31	4.74	−6.93	0.74	0.67	1.07	0.85	0.66	+26	−29	−17	−11	−14	+	7	−15	−14	+14	+11		0	0.05
88580	18 05 09.97	+27 33 51.7	7.96	H	271.291 535 36	+27.564 371 12	4.68	2.98	13.26	0.53	0.60	0.82	0.68	0.66	+	7	+	3	+	3	+	7	+	8	−14	+	7	+	9	−	9	+15	0	1.62
88581	18 05 10.55	−24 23 54.8	6.86	H	271.293 955 98	−24.398 563 35	2.27	2.11	−2.62	1.10	0.75	1.13	1.21	0.84	−24	−56	−15	−26	+50	−	6	+28	−73	+11	−54		2	1.43
88582	18 05 11.07	−09 34 41.6	8.68	H	271.296 105 00	−09.578 231 35	7.78	0.10	−36.91	1.19	0.98	1.38	1.43	1.05	−15	−19	−44	−18	+43	−23	+28	−57	+28	−37		5	2.08
88583	18 05 11.16	+66 56 43.8	6.86	H	271.296 519 66	+66.945 509 70	4.51	15.82	11.08	0.45	0.43	0.49	0.34	0.47	−	9	−10	+	6	−61	−	7	+	6	−	5	−	1	−	5	−21	1	0.61
88584 H	18 05 12.24	−39 20 32.3	9.82	2 H	271.300 997 30	−39.342 305 97 *	1.49	2.05	−26.89	4.89	6.04	3.68	4.90	2.65	+28	−	6	+13	−26	−36	−26	−41	−64	−	6	+33		3	1.43
88585	18 05 13.80	−32 15 35.3	8.55	H	271.307 492 52	−32.259 798 19	4.93	3.09	−7.50	1.07	0.63	1.13	1.20	0.67	+12	−37	−13	+10	+	4	−	7	−	7	−42	+10	−	9	0	0.69
88586 H	18 05 14.39	+06 45 03.0	8.64	H	271.309 964 09	+06.750 838 49 A	2.31	−7.40	−44.82	1.96	1.84	2.07	1.80	1.61	+25	−	2	−26	−45	−	1	−22	−11	−33	+11	+	9	7	0.29
88587	18 05 15.06	+65 43 24.5	7.09	H	271.312 738 87	+65.723 482 85	2.62	9.12	−2.13	0.50	0.39	0.50	0.53	0.48	+	7	−16	+	1	−16	+13	−	9	+18	−24	−	5	+24	2	−0.24
88588 H	18 05 15.15	+23 56 57.7	8.87	H	271.313 135 62	+23.949 370 27 A	2.55	4.17	−0.94	1.06	1.72	2.22	1.27	1.70	+13	−17	−10	+19	+19	+	1	+13	−	2	+20	+18		0	−0.22
88589	18 05 16.47	−28 41 10.0	8.47	G	271.318 633 75	−28.686 122 20	20.39	30.60	−86.65	1.27	0.70	1.35	1.32	0.73	−	1	−52	−	7	+10	+23	−	8	+16	−43	−	2	−11	0	−0.94
88590	18 05 18.63	+15 38 50.0	7.42	1 H	271.327 644 97	+15.647 228 75	1.26	−3.53	−10.03	0.67	0.62	1.01	0.96	0.68	−	9	−	9	−19	−	2	+60	−27	+51	−	5	−	1	−40	2	0.68
88591	18 05 20.93	+55 06 19.6	7.93	H	271.337 217 82	+55.105 436 08	5.84	3.01	−29.74	0.67	0.57	0.67	0.74	0.62	+	8	−11	−22	+24	+27	−35	+22	−	2	−	2	+	7	0	−1.00
88592 H	18 05 21.36	+62 15 58.6	8.62	H	271.338 986 81	+62.266 272 90 *	6.92	−7.79	52.67	0.71	0.58	0.75	0.75	0.78	+16	−	8	+12	+	4	+10	−	2	+16	−12	−11	+26	0	0.05
88593	18 05 21.61	+11 57 43.6	9.60	H	271.340 058 63	+11.962 110 93	3.29	29.82	20.16	0.96	0.89	1.51	1.29	1.29	+17	−18	−12	+	0	+18	+	1	+22	+14	−25	+18		2	0.04
88594	18 05 22.00	−69 28 28.9	8.99	H	271.341 666 03	−69.474 695 62	4.71	20.25	−11.52	0.53	0.80	1.23	0.52	0.88	+10	−17	−	7	−16	−27	+	1	−31	−15	+10	−	2	0	1.98
88595	18 05 22.76	−21 40 22.3	8.42	G	271.344 853 71	−21.672 867 91	18.75	−59.14	−126.62	1.23	0.67	1.28	1.27	0.80	−14	−52	−	6	+	7	−	2	−	0	−	1	−22	+	5	−14	+	7	0	1.40
88596 H	18 05 24.73	−38 22 53.8	8.73	H	271.353 056 61	−38.381 614 16 A	1.74	−6.35

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
88501	11.153	0.092	9.575	0.039		1.320	0.020	G	1.28	0.02	K	9.5268	0.0034	0.023	90		9.50	9.56		C			1							G
88502	8.297	0.015	7.661	0.011		0.576	0.015	G	0.65	0.01	H	7.7417	0.0012	0.010	64		7.72	7.76					1							S
88503	9.719	0.019	9.249	0.019		0.443	0.025	T	0.51	0.03	L	9.3139	0.0031	0.025	123		9.26	9.35					1							
88504	7.783	0.009	7.524	0.011		0.247	0.013	T	0.28	0.02	L	7.5771	0.0013	0.010	69		7.56	7.59		C			1							S
88505	9.960	0.028	8.807	0.018		0.990	0.026	T	0.97	0.02	L	8.9048	0.0020	0.017	107		8.88	8.94		C			1							
88506	9.112	0.073	8.996	0.092		0.099	0.010	G	0.11	0.01	H	8.9107	0.0024	0.014	72		8.88	8.93		C			1 S							G
88507	10.048	0.031	8.807	0.019		1.059	0.028	T	1.03	0.02	L	8.8809	0.0020	0.017	80		8.86	8.91		C			1							
88508	10.088	0.038	9.979	0.055		0.120	0.015	G	0.13	0.01	H	9.9695	0.0027	0.024	81		9.93	10.01		C			1							G
88509	10.138	0.022	9.794	0.024	*	0.326	0.031	T	0.38	0.04	L *	9.8745	0.0022	0.026	159	*	9.82	9.92			18044−6547	H 1	2 C C	AB	102	0.299	0.085	3.11	0.64	G
88510	9.009	0.015	8.281	0.013	*	0.654	0.015	T	0.72	0.01	L *	8.3429	0.0021	0.016	114	*	8.32	8.37		D	18044−5953	I 1	2 C A	BA	265	0.234	0.006	0.18	0.14	S
88511	8.921	0.016	8.051	0.012		0.762	0.015	T	0.80	0.01	L	8.0998	0.0016	0.013	69		8.08	8.13		C			1							S
88512	9.135	0.016	7.226	0.007		1.585	0.014	T	1.60	0.01	L	7.1527	0.0017	0.014	93		7.13	7.18					1							S
88513	10.839	0.046	9.652	0.026		1.017	0.041	T	0.99	0.03	L	9.7471	0.0025	0.021	103		9.71	9.78		C			1							
88514	9.877	0.021	9.346	0.020	A	0.552	0.072	G	0.57	0.05	L *	9.3913	0.0020	0.021	97	*	9.36	9.45			18045+7316	H 1	2 C D	AB	156	3.934	0.080	3.93	0.33	D
88515	8.593	0.009	7.215	0.006		1.166	0.008	T	1.13	0.01	L	7.2563	0.0010	0.010	130		7.24	7.27		C			1							S
88516	8.081	0.010	7.614	0.009		0.450	0.006	G	0.52	0.01	H	7.6703	0.0014	0.011	71		7.65	7.70		C			1							S
88517	8.916	0.010	8.435	0.010		0.465	0.011	T	0.54	0.01	L	8.4363	0.0135	0.127	135		8.34	8.67	0.70	P 1 A			1							
88518	9.024	0.015	7.447	0.008		1.320	0.015	G	1.25	0.03	C	7.4659	0.0011	0.008	92		7.45	7.48		C			1							S
88519	10.373	0.024	8.885	0.012		1.252	0.021	T	1.21	0.02	L	8.8894	0.0018	0.020	160		8.86	8.93					1 S							
88520	10.964	0.052	9.929	0.032	*	0.900	0.046	T	0.90	0.03	L *	9.9550	0.0029	0.020	98	*	9.92	9.99		C	18046+1240	H 1	2 C S B	AB	121	0.129	0.029	0.99	0.96	G
88521	11.995	0.115	10.672	0.056		1.123	0.100	T	1.09	0.10	L	10.8486	0.0051	0.052	149		10.76	10.94					1							G
88522	6.077	0.004	6.144	0.004		−0.056	0.005	T	−0.03	0.01	L	6.1292	0.0013	0.008	53		6.12	6.15		M			1							S
88523	7.081	0.006	7.175	0.007		−0.080	0.008	T	−0.06	0.01	L	7.1675	0.0007	0.010	98		7.15	7.18					1							S
88524	11.001	0.055	9.241	0.021		1.467	0.047	T	1.48	0.07	L	9.2043	0.0032	0.030	120		9.16	9.25		R			1 S							
88525	7.498	0.005	7.208	0.005		0.276	0.007	T	0.31	0.01	L	7.2622	0.0011	0.011	167		7.24	7.28		C	18047+2707	I 1	1							S
88526	10.032	0.024	8.126	0.010		1.583	0.021	T	1.60	0.02	L	8.0531	0.0017	0.017	134		8.02	8.08					1							
88527	8.930	0.015	7.468	0.009		1.232	0.014	T	1.19	0.01	L	7.4534	0.0021	0.016	67		7.43	7.48		M			1							S
88528	6.702	0.003	6.378	0.003		0.306	0.019	G	0.35	0.03	C	6.4206	0.0006	0.008	274		6.41	6.44		C			1							S P
88529	9.974	0.032	9.765	0.038		0.210	0.015	G	0.23	0.02	H	9.7724	0.0025	0.023	85		9.74	9.81		C			1							
88530	11.521	0.067	9.592	0.020		1.635	0.058	T	1.77	0.21	K	9.5027	0.0018	0.024	154		9.46	9.55		C			1							
88531	7.629	0.007	6.950	0.007		0.624	0.015	G	0.66	0.01	A	7.0080	0.0009	0.010	90		6.99	7.02			18047−5913	I 1	1							S
88532	8.531	0.010	8.202	0.011		0.370	0.015	G	0.43	0.02	H	8.2377	0.0019	0.012	77		8.21	8.26		C			1							
88533	7.115	0.005	6.581	0.004		0.509	0.005	T	0.58	0.01	L	6.6348	0.0006	0.006	131		6.63	6.65		C			1							S
88534	12.129	0.216	10.769	0.095		1.480	0.020	G	1.50	0.03	H	10.7044	0.0049	0.026	58		10.67	10.76		C			1							G
88535	11.296	0.046	9.567	0.016		1.442	0.039	T	1.44	0.06	L	9.5629	0.0020	0.024	211		9.52	9.61					1							
88536	9.164	0.014	8.681	0.014		0.455	0.018	T	0.52	0.02	L	8.7490	0.0016	0.011	100		8.73	8.77		C			1							S
88537	8.835	0.007	8.469	0.007	A	0.347	0.009	T	0.41	0.01	L	8.5578	0.0105	0.036	261	A	8.50	8.61	0.12	P 1 A	18048+2353	I 1	2 C A	AB	291	17.975	0.032	2.36	0.09	
88538	9.754	0.016	9.138	0.015	A	0.700	0.495	G	0.56	0.04	L *	9.0506	0.0024	0.027	160	*	9.01	9.11		U 2	18048−8038	I 1	2 C A	AB	201	8.507	0.018	2.15	0.06	
88539	11.113	0.054	9.285	0.019		1.521	0.045	T	1.56	0.07	L	9.1889	0.0024	0.020	116		9.13	9.23		C			1							
88540	10.001	0.017	8.597	0.009		1.187	0.015	T	1.15	0.01	L	8.6315	0.0017	0.023	204		8.60	8.67					1							
88541	7.793	0.011	7.260	0.009		0.496	0.010	G	0.57	0.01	H	7.3048	0.0010	0.007	86		7.29	7.32					1							S
88542	9.530	0.024	8.364	0.016		1.000	0.022	T	0.98	0.02	L	8.4368	0.0018	0.014	88		8.42	8.46		C			1							
88543	7.485	0.006	7.325	0.006		0.154	0.008	T	0.17	0.01	L	7.3482	0.0010	0.010	122		7.33	7.37		C			1							S
88544	9.787	0.022	7.850	0.009		1.642	0.020	T	1.95	0.06	O	7.7425	0.0017	0.018	117		7.72	7.77					1							
88545	8.910	0.011	8.394	0.011		0.485	0.014	T	0.56	0.01	L	8.4535	0.0016	0.014	133		8.43	8.48		C			1							S
88546	10.780	0.054	9.574	0.030	*	1.032	0.048	T	1.00	0.04	L *	9.6708	0.0027	0.024	96	*	9.63	9.71		D	18048+5344	H 1	2 C A	AB	237	0.559	0.019	2.34	0.08	
88547	8.231	0.009	7.938	0.010	*	0.278	0.014	T	0.32	0.02	L *	8.0273	0.0013	0.018	183	*	8.00	8.06		D	18048−7257	I 1	2 C A	AB	12	7.030	0.019	2.90	0.07	S
88548	9.109	0.016	8.866	0.019		0.232	0.023	T	0.26	0.03	L	8.8903	0.0030	0.019	78		8.87	8.93		C			1							
88549	8.827	0.013	8.697	0.015		0.118	0.018	T	0.13	0.02	L	8.7548	0.0012	0.013	98		8.73	8.78					1							
88550	7.502	0.009	6.105	0.005		1.160	0.015	G	1.12	0.01	H	6.1471	0.0006	0.006	79		6.14	6.16		D	18048−3554	I 1	1							S
88551	9.666	0.024	8.349	0.014		1.118	0.022	T	1.08	0.02	L	8.3587	0.0014	0.013	110		8.34	8.38		C			1							
88552	8.431	0.010	7.739	0.008		0.639	0.011	T	0.70	0.01	L	7.8040	0.0012	0.012	124		7.78	7.83			18049+3316	I 1	1							S
88553	9.368	0.019	8.563	0.016		0.712	0.019	T	0.77	0.02	L	8.6029	0.0019	0.014	94		8.58	8.63					1							
88554	9.794	0.024	9.246	0.022	*	0.513	0.030	T	0.59	0.03	L *	9.2356	0.0018	0.016	103	*	9.20	9.27		D	18049+8528	H 1	2 C A	AB	27	0.381	0.021	1.94	0.10	
88555	7.866	0.007	7.596	0.011	A	0.300	0.495	G	0.25	0.02	L *	7.5957	0.0008	0.009	122	*	7.58	7.61		D	18049+4808	I 1	2 C A	AB	79	3.139	0.008	2.83	0.04	S
88556	11.116	0.075	9.228	0.025		1.568	0.063	T	1.59	0.07	L	9.1695	0.0023	0.015	57		9.14	9.21		C			1							
88557	10.595	0.038	9.795	0.031		0.708	0.037	T	0.76	0.03	L	9.8524	0.0026	0.020	122		9.81	9.89			18050−4147	I 1	1							G
88558	8.730	0.012	7.992	0.010		0.661	0.012	T	0.72	0.01	L	8.0371	0.0019	0.013	76		8.02	8.05		C			1							S
88559	11.847	0.101	10.348	0.040		1.261	0.085	T	1.22	0.09	L	10.2960	0.0027	0.031	139		10.24	10.34					1							G
88560	7.257	0.007	7.342	0.011		−0.039	0.000	G	−0.02	0.00	H	7.3160	0.0018	0.010	68		7.30	7.34					1							S
88561	8.850	0.013	8.632	0.015		0.208	0.019	T	0.23	0.02	L	8.6762	0.0013	0.015	88		8.66	8.71		C			1							
88562	8.348	0.008	7.142	0.006		1.050	0.015	G	0.99	0.03	C	7.1993	0.0011	0.012	157		7.18	7.22					1							S
88563	9.166	0.011	7.167	0.005		1.693	0.010	T	2.14	0.03	O	7.0308	0.0028	0.031	132		6.96	7.06		U 2			1 S							S
88564	11.348	0.097	10.245	0.054	A						T *	10.2378	0.0025	0.020	91	*	10.20	10.27		D	18050−4445	I 1	2 C A	AB	185	1.401	0.013	1.23	0.08	G
88565	6.709	0.004	6.408	0.004		0.287	0.006	T	0.33	0.01	L	6.4521	0.0009	0.008	110		6.44	6.47			18050+4157	I 1	1 G							S
88566	8.364	0.013	8.326	0.016		0.035	0.018	T	0.05	0.01	L	8.3383	0.0018	0.012	74		8.32	8.36		C			1							
88567	5.602	0.094	4.736	0.056		0.774	0.082	T	0.81	0.06	L	4.8104	0.0383	0.294	80		4.45	5.18	7.59	P 1 A	18050−2935	I 1	1 S							S
88568	7.875	0.006	7.412	0.006		0.436	0.008	T	0.50	0.01	L	7.4612	0.0011	0.011	146		7.44	7.48		C			1							S
88569	8.388	0.010	8.364	0.012		0.027	0.014	T	0.04	0.01	L	8.3715	0.0020	0.015	113		8.34	8.40		C			1							S
88570	9.711	0.019	8.620	0.013		0.943	0.018	T	0.93	0.01	L	8.6650	0.0019	0.018	123		8.63	8.69					1							
88571	8.845	0.012	8.768	0.014		0.076	0.017	T	0.09	0.02	L	8.7683	0.0009	0.013	124		8.75	8.81		D			1							
88572	9.677	0.020	8.855	0.016		0.725	0.020	T	0.78	0.01	L	8.9084	0.0021	0.017	104		8.88	8.93		C			1							
88573						1.470	0.020	G	1.48	0.03	H	11.2521	0.0069	0.049	115		11.15	11.33					1							G
88574	11.210	0.078	9.556	0.030		1.508	0.014	G	2.06	0.00	A	9.4320	0.0036	0.020	63		9.39	9.47					1							
88575	11.084	0.073	9.407	0.028		1.401	0.062	T	1.38	0.07	L	9.3360	0.0023	0.024	72		9.30	9.37		C			1							
88576	8.709	0.015	8.311	0.015		0.377	0.020	T	0.44	0.02	L	8.3525	0.0033	0.019	65		8.32	8.38					1							
88577	9.868	0.023	9.325	0.022		0.516	0.024	T	0.59	0.03	L	9.4220	0.0024	0.021	87		9.39	9.46		C			1							
88578	8.957	0.011	8.689	0.012		0.255	0.015	T	0.29	0.02	L	8.7363	0.0017	0.018	137		8.71	8.78		C			1							S
88579	10.612	0.036	8.757	0.014		1.542	0.031	T	1.60	0.07	L	8.7607	0.0018	0.017	145		8.73	8.79					1							
88580	8.062	0.007	7.971	0.007		0.089	0.009	T	0.10	0.01	L	7.9974	0.0016	0.015	158		7.97	8.02					1							S
88581	6.929	0.009	6.849	0.013		0.079	0.015	T	0.09	0.02	L	6.8877	0.0011	0.009	70		6.87	6.90		C			1							S
88582	9.382	0.021	8.755	0.019		0.583	0.025	T	0.65	0.02	L	8.8070	0.0023	0.016	64		8.77	8.85					1							
88583	7.712	0.008	6.932	0.006		0.709	0.008	T	0.76	0.01	L	6.9981	0.0008	0.009	115		6.98	7.01					1							S
88584	12.487	0.314	10.297	0.071	*						T *	9.9886	0.0158	0.100	74	*	9.91	10.18		U 2	18052−3921	H 1	2 C B	AB	251	0.265	0.106	1.70	1.34	G
88585	10.206	0.036	8.695	0.018		1.271	0.032	T	1.23	0.03	L	8.7147	0.0014	0.014	82		8.69	8.73		C			1							
88586	10.201	0.041	8.826	0.022	A						T *	8.7851	0.0015	0.018	61	*	8.76	8.82		D	18052+0645	I 1	2 C D	AB	212	4.953	0.064	3.33	0.18	D
88587	7.128	0.006	7.093	0.006		0.037	0.008	T	0.05	0.01	L	7.1134	0.0009	0.007	104		7.10	7.13					1							S
88588	10.156	0.017	9.012	0.011	*	0.983	0.016	T	0.96	0.01	L *	9.0333	0.0020	0.025	265	*	8.99	9.08			18053+2357	I 1	2 C B	AB	247	0.774	0.024	2.97	0.13	
88589	9.263	0.042	8.546	0.039		0.670	0.015	G	0.73	0.01	H	8.5860	0.0016	0.011	78		8.56	8.60		C	18053−2841	I 1	1							
88590	9.602	0.015	7.611	0.006		1.650	0.013	T	1.67	0.01	L	7.5296	0.0016	0.014	152		7.51	7.56		U 2			1							S
88591	8.499	0.012	7.980	0.010		0.487	0.014	T	0.56	0.01	L	8.0324	0.0013	0.013	96		8.01	8.06		C			1							S
88592	9.234	0.014	8.683	0.013	*	0.516	0.017	T	0.59	0.02	L *	8.7384	0.0013	0.017	110	*	8.71	8.77		D	18054+6216	I 1	2 C S A	AS	21	0.160	0.006	0.44	0.31	
88593	11.322	0.060	9.758	0.025		1.312	0.051	T	1.27	0.06	L	9.7485	0.0022	0.023	119		9.71	9.79		C			1							
88594	9.379	0.010	9.010	0.011		0.350	0.014	T	0.41	0.02	L	9.0770	0.0016	0.021	244		9.05	9.12					1							
88595	9.220	0.017	8.482	0.014		0.641	0.015	G	0.71	0.01	H	8.5577	0.0017	0.012	84		8.54	8.58		C			1 G							
88596	10.243	0.035	8.944	0.020	*	1.104	0.031	T	1.07	0.03	L *	8.8979	0.0027	0.014	75	*	8.88	8.93		D	18054−3823	H 1	2 C D	AB	61	0.325	0.026	1.94	0.21	D
88597	10.923	0.062	9.988	0.045		0.809	0.005	G	0.84	0.00	H	9.9876	0.0032	0.024	75		9.94	10.02		C			1							G
88598	8.940	0.010	8.745	0.011	*	0.187	0.014	T	0.21	0.02	L *	8.7146	0.0016	0.015	166	*	8.68	8.74		D	18054+1624	I 1	2 C A	AB	226	0.642	0.003	0.85	0.02	
88599	8.371	0.009	6.534	0.004		1.528	0.008	T	1.57	0.02	L	6.4869	0.0012	0.011	136		6.47	6.51		M			1							S
88600	8.428	0.010	7.294	0.006		0.976	0.009	T	0.96	0.01	L	7.3400	0.0014	0.012	143		7.32	7.36					1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)												Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ $\alpha*$	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr													%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
88601 H	18 05 27.21	+02 30 08.8	4.03	1 G	271.363 386 82	+02.502 439 28	A	196.62	124.56	−962.66	1.46	1.04	1.38	1.15	0.91	+27	−30	−19	−31	− 4	+ 7	− 3	−29	+ 0	+34		2	0.93
88602	18 05 27.32	+49 20 37.0	7.39	H	271.363 844 92	+49.343 620 37		4.72	1.14	−11.06	0.57	0.58	0.65	0.63	0.72	+ 1	−24	−23	+ 1	+ 1	− 7	− 5	+ 6	+17	− 2		3	0.98
88603 H	18 05 27.62	−42 38 16.1	9.05	H	271.365 072 97	−42.637 792 04	A	2.25	−3.93	−22.09	1.83	1.01	1.89	1.88	0.91	+21	−32	+ 2	+15	−41	− 1	−33	− 1	+ 6	+32		1	0.51
88604	18 05 30.13	+21 38 47.8	6.18	H	271.375 539 26	+21.646 619 81		7.90	11.94	1.69	0.41	0.49	0.72	0.52	0.57	+16	− 9	+ 3	+33	+20	+ 7	+20	+21	+ 9	+31		2	0.53
88605	18 05 30.60	+62 19 00.6	8.16	1 H	271.377 499 63	+62.316 834 87		3.17	4.99	−1.62	0.67	0.49	0.65	0.69	0.68	+19	−12	+ 3	+15	+14	− 7	+21	−14	− 8	+24		0	−0.32
88606	18 05 30.74	+51 56 49.0	6.84	H	271.378 087 07	+51.946 937 91		5.75	18.43	59.37	0.51	0.50	0.55	0.66	0.64	− 7	+ 6	−29	− 6	−10	+13	− 8	+13	− 9	− 8		0	0.54
88607 H	18 05 30.77	−63 11 38.3	7.82	G	271.378 193 48	−63.193 979 25	A	13.10	−29.46	−82.17	2.07	1.89	1.78	1.64	1.19	+28	−12	−17	−15	− 9	+ 9	−10	−15	+19	+ 8		0	−0.46
88608	18 05 31.29	−11 01 12.4	7.36	H	271.380 388 12	−11.020 104 70		8.70	15.04	−12.26	0.84	0.57	0.93	1.03	0.68	−17	− 8	− 3	− 2	−15	−27	−20	−17	− 1	−38		0	−1.28
88609	18 05 31.74	−00 01 20.5	8.46	H	271.382 262 09	−00.022 365 28		5.60	−1.04	−14.51	0.98	0.71	1.07	0.95	0.80	+28	−42	−16	−18	−16	+11	−11	−25	− 8	+13		0	0.53
88610	18 05 32.15	+65 04 52.6	7.55	G	271.383 976 50	+65.081 290 76		15.67	−57.68	120.24	0.55	0.42	0.58	0.59	0.52	+13	−19	+ 8	− 2	+ 7	+ 0	+14	−23	−13	+25		0	−1.22
88611	18 05 32.34	+54 30 50.7	8.32	H	271.384 764 76	+54.514 073 17		2.12	16.95	−21.19	0.71	0.65	0.73	0.77	0.80	− 2	+ 2	−29	+24	+10	−19	+ 5	+20	−13	−12		0	−0.43
88612	18 05 32.42	−01 57 55.9	8.27	H	271.385 083 88	−01.965 539 12		4.02	7.34	−8.88	0.96	0.77	1.12	1.00	0.83	+ 6	−25	−17	−26	− 4	+10	+ 0	− 45	− 1	+12		0	0.45
88613	18 05 32.75	−51 15 33.7	8.41	H	271.386 464 97	−51.259 363 83		2.28	8.04	−25.74	0.93	0.61	1.03	1.04	0.63	−26	−21	− 5	+40	−32	+ 5	−29	+26	+11	−16		0	1.99
88614	18 05 32.93	−37 28 18.4	6.84	H	271.387 201 38	−37.471 764 57		6.19	−27.46	−31.08	0.79	0.52	0.90	1.09	0.58	−12	−24	+11	+ 7	− 1	−29	+ 0	−39	+ 3	−16		0	−0.45
88615	18 05 33.32	−19 45 15.1	7.05	2 H	271.388 818 53	−19.754 202 89		5.01	−4.39	−1.58	0.80	0.52	0.96	0.92	0.57	− 1	−33	−29	+ 4	+15	−33	− 7	−33	+15	−48		0	0.58
88616	18 05 33.57	+18 26 44.1	8.17	H	271.389 891 20	+18.445 572 18		6.10	−11.37	−7.15	0.72	0.67	1.01	0.82	0.82	+15	−27	− 9	+32	+42	−11	+36	+ 2	+ 6	− 6		0	0.29
88617	18 05 35.60	+63 40 06.0	8.96	H	271.398 327 50	+63.668 337 23		25.70	−25.01	248.33	0.79	0.62	0.80	0.91	0.87	+13	− 6	+ 6	+26	+13	− 3	+15	−13	−15	+11		0	1.04
∗88618	18 05 36.34	−33 18 40.9	9.05	H	271.401 400 92	−33.311 354 94		1.87	5.37	− 3.08	1.22	0.76	1.39	1.77	0.95	− 7	−17	−18	+ 8	+19	+12	+12	−51	+40	+ 0		0	0.75
∗88619	18 05 36.28	−46 24 25.6	9.06	H	271.401 158 64	−46.407 100 74		8.01	4.90	−61.40	0.98	0.65	1.27	1.24	0.73	−22	−19	+12	+26	−41	+ 9	−32	− 9	+15	+ 8		0	−0.61
∗88620	18 05 36.79	−65 09 54.9	8.39	2 H	271.403 295 23	−65.165 244 32		2.09	−4.69	−27.30	0.64	0.67	1.06	0.79	0.84	+ 1	− 7	+ 6	−18	+ 9	+ 9	+ 3	− 4	+16	+40		0	−0.99
∗88621	18 05 36.76	−70 13 46.7	8.70	H	271.403 166 99	−70.229 642 97		4.78	−1.42	−21.33	0.45	0.72	1.05	0.48	0.85	+ 7	−11	− 1	− 5	− 9	+ 4	−11	−11	+ 3	+ 1		1	−0.63
88622	18 05 37.47	+04 39 28.6	6.80	G	271.406 143 02	+04.657 955 49		41.00	−30.66	−322.06	0.76	0.62	0.88	0.88	0.75	−10	−31	+ 3	+ 7	+13	+22	+ 6	+13	+21	+15		2	0.60
88623 H	18 05 40.29	−05 36 47.9	9.55	H	271.417 893 62	−05.613 304 13	A	5.20	4.44	− 5.65	2.19	1.35	2.00	1.92	1.29	+26	−36	−37	− 4	− 6	+ 6	− 1	−28	+13	+16		0	−0.18
88624	18 05 41.56	+21 25 34.8	7.60	H	271.423 173 68	+21.426 334 49		6.06	−1.27	0.80	0.52	0.64	0.92	0.59	0.71	+ 7	−24	+ 7	+25	+23	+ 1	+22	+19	+ 0	+15		1	1.38
88625	18 05 42.67	−35 40 47.4	8.27	H	271.427 779 17	−35.679 835 48		12.90	56.76	−23.41	1.26	0.83	1.39	1.76	0.98	− 1	− 2	−26	+20	+11	−16	+ 4	−54	+35	− 8		5	4.87
88626	18 05 43.05	+53 57 20.7	9.80	H	271.429 360 68	+53.955 761 06		3.85	9.13	9.54	1.04	1.02	1.08	1.16	1.27	+11	−14	− 6	+28	+ 6	+ 2	+ 8	+23	−16	+ 4		0	−0.89
88627 H	18 05 43.30	+12 00 13.9	6.51	H	271.430 420 61	+12.003 855 93	A	7.69	−2.48	− 2.83	1.03	0.94	1.24	1.21	1.17	+ 6	+ 1	−20	− 7	+ 2	− 8	+ 4	+ 9	−12	+ 7		6	0.85
88628	18 05 44.14	−41 25 54.5	8.36	H	271.433 907 63	−41.431 806 03		10.16	24.91	−97.49	1.22	0.59	1.31	1.20	0.56	+12	−44	−13	+29	−35	− 8	−38	− 9	+17	+ 1		0	2.54
88629 H	18 05 44.57	−36 34 46.1	7.46	G	271.435 712 82	−36.579 464 56	A	2.65	−0.71	− 4.33	1.58	1.08	1.56	1.93	1.26	+24	−24	−18	− 2	−17	−19	−27	−51	+17	+17		1	1.29
88630	18 05 44.66	+13 28 59.8	8.15	H	271.436 083 28	+13.483 289 34		2.98	−3.45	−10.45	0.83	0.81	1.11	0.90	0.90	−15	− 6	−18	−30	+36	−12	+33	−18	+ 9	− 5		0	−0.51
88631	18 05 46.72	−23 31 02.0	9.14	H	271.444 658 46	−23.517 212 27		13.18	25.89	−212.33	1.51	0.95	1.56	1.74	1.06	−22	−35	−10	− 8	+33	− 7	+27	−52	+ 9	−24		0	0.73
88632	18 05 47.56	+20 46 13.5	7.64	1 H	271.448 154 44	+20.770 420 01		6.20	12.00	−29.55	0.66	0.66	0.92	0.67	0.75	+25	−26	− 7	+32	+39	+ 4	+41	+26	− 5	+14		0	2.54
88633	18 05 48.04	−48 30 27.2	11.31	G	271.450 146 84	−48.507 569 28		12.86	−125.68	−15.74	9.63	6.89	12.01	11.77	7.64	− 6	−23	−11	+ 9	−28	− 4	−30	−26	+14	−16		0		
88634	18 05 48.32	−30 38 21.8	9.15	H	271.451 320 28	−30.639 387 57		4.81	3.72	− 3.84	1.46	1.08	1.70	1.77	1.15	+20	−34	−43	−15	+ 9	−23	−18	−66	+37	−16		0	−0.65
88635	18 05 48.52	−30 25 25.1	2.98	G	271.452 185 86	−30.423 650 07		33.94	−55.75	−181.53	0.83	0.51	0.87	0.92	0.57	+ 2	−42	− 3	+14	+ 1	− 3	− 2	−28	+ 5	− 2		0	−0.87
88636	18 05 49.60	+32 13 50.6	5.72	H	271.456 658 20	+32.230 722 12		4.69	19.10	−19.96	0.44	0.51	0.62	0.53	0.60	+10	−20	−23	− 5	+ 3	− 9	− 2	−17	+18	+13		0	−1.48
88637 H	18 05 49.72	+21 26 45.6	7.07	H	271.457 187 32	+21.445 996 65	A	26.51	−21.62	−40.54	1.13	1.20	1.35	0.92	1.04	+ 8	−10	+ 3	+26	+11	− 4	+ 6	+10	− 5	+ 6		2	1.61
88638	18 05 50.10	+38 59 53.2	8.11	H	271.458 746 53	+38.998 117 73		8.17	10.75	−25.15	0.59	0.58	0.69	0.63	0.64	− 4	−17	+ 8	+26	+ 4	−12	+ 8	+16	−22	+ 3		0	0.05
∗88639	18 05 50.26	+21 26 22.0	9.60	G																								
∗88640	18 05 50.24	−53 42 31.8	11.03	H	271.459 334 59	−53.708 846 47		14.79	−55.65	−125.02	2.21	1.53	2.40	2.78	1.55	+ 1	−24	+11	− 3	−48	−15	−39	−13	− 1	+ 7		2	−0.18
88641	18 05 50.74	+50 20 16.5	8.72	H	271.461 436 49	+50.337 929 44		0.60	4.77	− 6.33	0.71	0.76	0.81	0.98	1.03	+11	−12	−34	+ 6	− 6	− 2	− 7	+11	− 2	+10		0	−0.82
88642	18 05 51.70	−55 07 24.2	11.58	G	271.465 422 80	−55.123 376 22		17.62	20.50	−149.61	2.54	1.79	2.93	2.86	1.99	− 9	−33	+ 5	+22	−28	+ 0	−25	− 5	+ 2	− 3		0	−2.00
88643	18 05 52.27	−37 49 13.5	9.98	G	271.467 798 56	−37.820 425 32		6.23	−6.01	−19.53	1.80	1.17	2.01	2.38	1.28	− 8	−12	+10	+ 0	+ 5	−24	+ 7	−42	− 9	− 9		13	3.35
88644	18 05 52.35	+07 05 27.2	7.65	H	271.468 144 23	+07.090 900 74		22.16	−209.28	−103.39	0.84	0.69	1.03	0.96	0.74	+ 4	−21	−40	−23	+ 4	+15	+ 7	+ 2	+ 2	+10		0	0.99
88645	18 05 54.76	−30 39 37.3	8.24	H	271.478 164 53	−30.660 363 35		10.39	57.24	−46.32	1.11	0.81	1.27	1.39	0.87	+ 0	−20	−34	− 2	+22	−23	+ 1	−62	+32	−27		0	1.19
88646	18 05 54.99	−60 18 07.2	9.39	H	271.479 141 19	−60.302 012 59		2.36	4.49	− 9.76	1.05	0.81	1.27	1.26	0.85	+ 4	− 5	− 1	−34	+13	− 1	+ 6	−23	+ 6	+28		0	−1.74
88647	18 05 55.03	+10 26 33.8	9.09	H	271.479 281 40	+10.442 725 52		1.80	1.66	− 5.52	0.93	0.91	1.57	1.14	1.21	− 1	− 8	−22	− 4	+43	+ 4	+47	+19	−12	+10		4	0.15
88648	18 05 55.79	−36 35 56.8	10.21	G	271.482 460 61	−36.599 099 65		15.45	−276.84	−227.33	1.85	1.17	2.06	2.38	1.30	+24	−18	−13	+10	+ 0	−21	−17	−43	+23	− 6		10	0.47
88649	18 05 56.11	−31 55 20.5	9.25	H	271.483 806 59	−31.922 356 98		5.47	−10.39	−39.19	1.13	0.73	1.23	1.42	0.83	+ 9	−30	−18	+ 4	+ 2	+ 4	−11	−41	+18	−18		0	0.25
88650	18 05 57.30	−29 55 02.1	9.36	H	271.488 742 65	−29.917 244 16		16.01	73.08	− 3.68	1.72	0.99	1.87	1.86	1.07	+32	−57	−39	+21	+ 3	−12	−19	−43	+26	+ 4		0	0.30
88651	18 05 58.82	+25 41 00.0	8.44	H	271.495 093 22	+25.683 327 91		9.07	16.83	0.04	0.54	0.64	0.91	0.71	0.72	+ 6	−19	−14	+18	+20	− 6	+17	+ 8	+ 1	+ 9		0	0.23
88652	18 05 58.84	−14 11 53.0	7.92	H	271.495 155 10	−14.198 051 88		1.40	0.38	− 1.87	0.92	0.58	1.02	1.04	0.69	−13	−37	−29	+13	+ 4	− 8	−13	−19	+17	−55		0	0.34
88653	18 05 59.79	+84 39 21.1	7.30	H	271.499 134 14	+84.655 858 42		16.75	7.66	14.31	0.49	0.51	0.56	0.57	0.59	+13	−21	−21	− 6	− 1	+16	+ 0	− 8	+12	+19		0	0.64
88654	18 05 59.93	+57 21 33.2	6.97	H	271.499 698 82	+57.359 214 68		4.59	5.22	59.27	0.55	0.51	0.55	0.59	0.56	+ 8	−19	+ 4	+23	+12	− 1	+16	+ 0	− 4	+26		0	0.31
88655	18 06 00.22	−35 06 30.9	8.92	H	271.500 927 50	−35.108 591 13		1.15	−8.71	− 5.62	1.43	0.82	1.43	2.13	0.96	+21	−21	−22	+37	+ 1	+ 3	− 8	−45	+33	+13		0	0.68
88656	18 06 01.56	−08 06 31.7	7.09	H	271.506 499 30	−08.108 803 18		18.08	79.57	78.09	0.83	0.56	0.94	0.91	0.65	+ 2	−38	−13	− 6	− 6	− 5	−12	−25	+11	−14		0	0.03
88657	18 06 01.91	+22 13 08.0	4.96	1 H	271.507 952 97	+22.218 892 06		5.30	−13.33	− 5.26	0.36	0.44	0.65	0.44	0.51	+17	−15	− 8	+33	+16	+ 9	+16	+20	+ 9	+30		1	0.11
88658	18 06 02.28	+76 07 54.3	7.58	G	271.509 518 41	+76.131 741 36		15.93	−66.20	16.02	0.53	0.59	0.60	0.56	0.77	+ 5	−13	+ 2	−14	+ 2	−20	+ 3	−10	+ 2	+ 8		0	0.59
88659 H	18 06 02.66	−55 27 49.1	8.43	H	271.511 099 90	−55.463 639 39	A	6.71	−36.41	−88.78	2.03	1.52	1.81	1.95	1.36	−11	−19	+ 3	−11	−24	+19	−28	+ 3	+22	+15		4	−0.55
88660	18 06 03.11	+41 23 54.3	7.99	H	271.512 968 57	+41.398 405 74		1.67	2.25	− 3.05	0.59	0.62	0.71	0.61	0.70	+ 0	− 8	+ 2	+ 2	+ 6	−13	+ 7	+ 6	− 2	+ 5		0	−1.09
88661	18 06 03.97	+04 34 06.1	8.52	H	271.516 541 06	+04.568 358 60		3.67	0.80	− 9.07	1.06	0.80	1.27	1.03	0.85	+20	−51	−35	+ 8	+14	+ 7	+ 7	− 4	+17	+14		0	1.69
∗88662	18 06 04.66	−37 25 59.2	7.64	H	271.519 397 74	−37.433 108 60		4.24	−9.88	− 4.30	0.94	0.59	1.07	1.25	0.65	−10	−31	+ 0	+13	− 1	−30	− 3	−37	+ 0	−17		0	−0.25
∗88663	18 06 04.59	−49 23 06.9	9.67	H	271.519 125 53	−49.385 256 76		16.41	−41.46	−92.10	1.48	0.94	1.78	1.74	0.98	−19	−26	− 1	+27	−34	− 7	−32	+ 2	+16	−18		2	0.52
88664	18 06 04.91	−74 00 17.1	7.42	H	271.520 444 28	−74.004 747 13		7.64	3.80	− 6.72	0.43	0.60	0.74	0.47	0.78	− 7	−10	− 2	+ 1	− 1	− 5	+ 1	+12	− 5	−18		0	−1.19
88665	18 06 05.22	−08 03 26.8	9.75	H	271.521 731 26	−08.057 449 39		9.50	10.82	−20.79	1.51	1.02	1.66	1.85	1.21	−20	−34	+11	+ 5	− 5	+ 3	+ 4	−33	−15	− 9		0	−1.15
88666 H	18 06 05.40	−56 49 18.4	7.77	H	271.522 499 47	−56.821 784 28	A	4.26	13.26	17.16	1.24	0.98	1.40	1.52	1.19	+ 3	−33	−27	− 4	−22	− 7	−23	+10	+35	−28		0	0.36
88667 H	18 06 05.44	−00 21 31.1	9.08	H	271.522 655 67	−00.358 636 59	A	6.84	−3.81	−14.81	3.39	2.63	3.32	3.14	2.62	+11	−11	−22	− 1	− 1	+ 5	− 5	−30	+18	+10		2	0.20
88668	18 06 06.71	−12 21 05.2	9.33	H	271.527 965 71	−12.351 455 25		4.61	−0.08	−28.02	1.42	0.87	1.48	1.49	0.95	+26	−39	−17	+ 3	−12	− 6	−16	−29	+ 1	+11		0	−0.20
88669	18 06 07.10	+49 27 58.1	7.70	H	271.529 601 64	+49.466 126 41		3.76	0.84	19.17	0.58	0.56	0.63	0.61	0.68	+ 0	−24	− 8	− 6	+ 5	+ 4	+ 5	+15	− 1	+ 3		1	−0.59
88670 H	18 06 07.40	−08 19 26.1	5.84	H	271.530 837 43	−08.323 915 03	A	5.72	−2.45	−16.72	1.72	1.16	1.21	1.25	0.86	−17	− 8	+11	−14	+ 5	−26	+13	−41	−16	− 1		2	−0.72
88671	18 06 07.44	−00 26 46.0	6.32	H	271.531 002 22	−00.446 097 90		6.43	−21.49	−12.55	0.73	0.53	0.85	0.72	0.57	+ 1	−31	− 5	−10	+ 8	+24	+10	−18	− 8	+ 8		5	0.06
88672	18 06 08.46	+24 00 05.2	8.30	H	271.535 233 16	+24.001 447 26		5.12	5.38	14.60	0.42	0.69	0.95	0.56	0.88	+10	−16	− 7	+25	+14	+ 9	+ 9	+10	+29	+16		2	−1.26
88673	18 06 08.56	−41 06 58.6	11.70	H	271.535 653 28	−41.116 270 08		7.40	−25.11	−10.51	3.35	2.16	3.74	4.02	2.35	− 9	−39	− 4	+ 5	+ 7	−11	− 5	−36	+ 3	−44		9	1.16
∗88674	18 06 09.22	+37 46 34.6	8.04	H	271.538 414 65	+37.776 272 52		3.48	− 7.61	− 6.43	0.67	0.65	0.81	0.90	0.75	− 5	− 5	−18	+ 0	+14	−22	+10	+ 7	− 1	− 6		0	−0.75
∗88675	18 06 09.21	−51 44 38.0	6.46	G	271.538 387 78	−51.743 889 48		2.14	3.21	− 6.45	0.71	0.46	0.78	0.75	0.45	−28	−25	− 9	+41	−41	+ 3	−37	+17	+ 2	−25		2	−0.13
88676	18 06 10.78	+37 18 07.3	9.18	H	271.544 916 70	+37.302 032 18		0.66	−0.16	28.25	0.71	0.73	0.89	0.72	0.82	+ 3	+ 4	+ 6	+ 3	+ 9	− 3	+10	+ 4	− 2	+ 7		0	−1.00
88677	18 06 11.14	−32 39 56.8	8.58	H	271.546 410 81	−32.665 768 08		5.05	13.68	−11.69	1.08	0.64	1.17	1.35	0.73	+ 9	−34	−19	+ 8	+ 7	+ 2	− 4	−42	+20	− 4		0	0.55
88678	18 06 11.43	−71 08 15.1	9.33	H	271.547 629 27	−71.137 525 49		3.28	11.55	−25.38	0.60	0.92	1.31	0.70	1.12	− 5	− 3	+ 0	+19	−22	+ 2	−21	+14	−26	−16		0	0.11
88679	18 06 12.40	−42 10 43.7	9.81	H	271.551 684 34	−42.178 812 95		−1.83	1.55	−18.20	1.53	0.78	1.75	1.65	0.77	− 4	−38	+ 1	+38	−32	− 4	−27	+ 8	+14	+ 9		0	2.02
88680	18 06 12.57	−37 29 56.2	7.61	G	271.552 368 29	−37.498 942 14		11.82	−41.42	−112.43	0.89	0.57	1.00	1.18	0.62	+ 1	−25	+13	+ 7	− 8	−27	− 9	−43	− 4	−13		0	−0.44
88681	18 06 13.04	+01 34 57.8	7.95	H	271.554 322 39	+01.582 732 73		3.27	−6.14	−15.33	0.83	0.70	0.99	0.89	0.79	+ 8	−31	−31	− 3	−20	+18	−16	− 3	− 2	−12		0	0.42
88682	18 06 13.44	+10 24 10.6	9.59	H	271.556 004 43	+10.402 936 93		2.33	1.18	− 1.39	0.95	0.89	1.78	1.14	1.22	+ 3	−27	−38	−22	+31	− 4	+41	+ 5	−28	−12		3	0.13
88683	18 06 13.74	−27 29 33.3	7.29	H	271.557 233 77	−27.492 592 98		15.98	36.96	−39.36	0.85	0.50	0.91	0.91	0.52	+22	−42	−23	+17	− 9	+ 7	− 2	−15	− 7	+15		0	−0.24
88684	18 06 15.11	−04 45 04.2	5.74	H	271.562 973 35	−04.751 177 96		28.61	142.64	−30.41	0.74	0.46	0.83	0.73	0.51	+16	−52	−29	+14	− 4	+11	− 4	+ 5	− 4	+ 0		1	1.77
88685 H	18 06 16.33	+38 24 01.5	8.46	H	271.568 053 61	+38.400 430 37	A	12.49	−14.40	−13.52	2.56	2.14	1.65	2.07	2.07	− 8	− 1	− 5	+28	+16	−13	+11	− 1	− 4	− 2		1	−0.27
88686	18 06 17.05	+24 24 49.4	6.77	H	271.571 030 39	+24.413 714 32		3.50	−7.96	− 2.31	0.38	0.54	0.76	0.47	0.69	+ 5	−22	−11	+11	+ 4	+ 5	+ 4	+ 6	+ 5	− 6		0	1.40
88687	18 06 17.39	−26 17 01.4	9.01	G	271.572 450 97	−26.283 711 72		11.93	−146.38	−156.14	1.23	0.79	1.38	1.78	0.96	+11	−23	−24	+15	+ 8	− 5	+ 2	−41	+28	+12		0	1.55
88688	18 06 18.05	+48 50 53.6	8.06	H	271.575 197 18	+48.848 209 39		3.37	3.98	12.91	0.61	0.56	0.65	0.67	0.66	− 1	−31	− 7	+ 1	+11	− 1	+10	+16	− 2	+ 3		1	−0.50
88689	18 06 20.16	+15 34 33.1	8.36	H	271.584 016 35	+15.575 863 31		12.53	−19.24	−209.10	0.75	0.70	1.16	1.01	0.72	+ 4	−11	−29	+ 8	+63	−36	+55	+ 8	− 3	−27		1	0.09
88690	18 06 20.60	−47 21 55.7	8.28	H	271.585 813 62	−47.365 462 54		15.03	−65.28	−177.34	0.88	0.58	1.06	1.10	0.66	−18	−19	− 6	+21	−36	− 1	−33	− 2	+21	− 6		2	−1.63
88691 H	18 06 20.70	−34 18 54.3	7.99	H	271.586 249 03	−34.315 094 53	A	−0.12	4.41	− 6.40	1.62	1.01	1.54	2.39	1.12	+18	−28	−14	+26	− 1	+ 5	−11	−43	+33	+11		3	0.21
88692	18 06 21.17	−06 43 11.2	9.44	H	271.588 194 85	−06.719 782 80		8.29	6.22	−15.69	1.15	0.82	1.31	1.14	0.83	+24	−31	−29	−13	− 4	− 1	−10	−31	+10	+ 0		0	1.08
88693	18 06 21.69	+04 15 13.8	8.81	H	271.590 362 91	+04.253 845 63		3.47	−2.11	−19.53	1.20	1.01	1.47	1.35	1.19	+ 5	−45	−28	+ 5	−17	+21	−17	− 9	+19	+ 8		0	1.92
88694	18 06 23.64	−36 01 11.3	5.94	1 H	271.598 513 42	−36.019 807 98		57.58	105.44	7.99	0.70	0.46	0.77	0.98	0.56	− 7	−17	−19	+24	+18	−20	+ 7	−33	+28	−18		2	−0.22
88695	18 06 24.38	−26 11 56.0	8.86	H	271.601 563 41	−26.198 888 65		11.61	−55.78	−36.09	1.18	0.76	1.25	1.62	0.88	+ 7	−17	− 3	+15	+16	− 4	+13	−40	+12	+12		0	−0.85
88696	18 06 25.87	+62 57 08.3	7.98	H	271.607 811 01	+62.952 305 94		2.94	−12.21	3.19	0.66	0.47	0.62	0.68	0.67	+12	− 4	+ 5	+30	+17	− 5	+24	−19	−13	+15		0	1.93
88697	18 06 26.38	−60 31 59.3	7.81	H	271.609 909 51	−60.533 138 63

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
88601						0.860	0.010	G	0.96	0.02	A *	4.1502	0.0022	0.011	53	*	4.14	4.17	1.96	P 1 A	18055+0230	I 1	2 C D	AB	208	1.592	0.009	1.84	0.04	S W
88602	8.711	0.011	7.495	0.007		1.039	0.010	T	1.01	0.01	L	7.5552	0.0009	0.011	105		7.54	7.58		C			1							S
88603	9.563	0.023	9.182	0.026	A	0.439	0.100	G	0.48	0.04	L *	9.1451	0.0021	0.018	134	*	9.11	9.17		D	18055−4238	I 1	2 C A	AB	284	5.199	0.025	2.68	0.07	
88604	7.798	0.006	6.325	0.003		1.241	0.005	T	1.20	0.01	L	6.3396	0.0006	0.007	159		6.33	6.35		C			1							S
88605	9.271	0.014	8.246	0.010		0.893	0.013	T	0.90	0.01	L	8.3180	0.0026	0.020	111		8.29	8.36		U			1							
88606	8.338	0.012	6.961	0.006		1.165	0.011	T	1.13	0.01	L	7.0037	0.0006	0.007	103		6.99	7.01					1							S
88607	8.593	0.010	7.894	0.008	*	0.619	0.001	G	0.69	0.00	H *	7.9492	0.0016	0.014	128	*	7.93	7.97		D	18055−6312	I 1	2 C A	AS	33	0.418	0.003	0.40	0.02	S
88608	7.696	0.008	7.401	0.009		0.271	0.005	G	0.31	0.01	H	7.4296	0.0011	0.010	68		7.41	7.45		D			1							S
88609	8.639	0.014	8.515	0.017		0.273	0.015	G	0.31	0.02	H	8.5353	0.0016	0.011	64		8.51	8.56		C			1							
88610	8.484	0.013	7.614	0.010		0.765	0.015	G	0.80	0.01	H	7.6881	0.0012	0.011	103		7.67	7.71		C			1							S
88611	10.309	0.028	8.477	0.012		1.524	0.024	T	1.56	0.04	L	8.4442	0.0020	0.014	115		8.42	8.47		C			1							
88612	9.930	0.033	8.385	0.017		1.297	0.029	T	1.26	0.03	L	8.4324	0.0021	0.019	76		8.40	8.46					1							
88613	9.797	0.024	8.541	0.015		1.071	0.022	T	1.04	0.02	L	8.5737	0.0015	0.013	94		8.54	8.60		C			1							
88614	8.172	0.009	6.972	0.007		1.027	0.009	T	1.00	0.01	L	7.0110	0.0009	0.009	97		7.00	7.03					1							S
88615	7.238	0.007	7.084	0.008		0.140	0.010	T	0.15	0.01	L	7.1057	0.0033	0.021	72		7.03	7.13		U 2			1							S
88616	8.327	0.010	8.205	0.011		0.118	0.014	T	0.13	0.01	L	8.2197	0.0014	0.015	120		8.20	8.25		C			1							
88617	10.069	0.027	9.104	0.019		0.835	0.026	T	0.85	0.02	L	9.1024	0.0019	0.018	92		9.07	9.13		C			1							
88618	10.412	0.052	9.214	0.033		1.025	0.048	T	1.00	0.04	L	9.2122	0.0026	0.016	66		9.19	9.23					1							
88619	9.501	0.016	9.101	0.017		0.391	0.020	T	0.46	0.02	L	9.1518	0.0012	0.016	136		9.12	9.18		C			1							
88620	10.510	0.026	8.599	0.010		1.621	0.023	T	2.19	0.06	O	8.4484	0.0048	0.060	181		8.34	8.51		U 2			1							
88621	8.894	0.007	8.715	0.008		0.164	0.010	T	0.18	0.01	L	8.7532	0.0013	0.022	303		8.72	8.79					1							
88622	7.529	0.007	6.877	0.006		0.610	0.013	G	0.69	0.02	A	6.9236	0.0015	0.010	54		6.91	6.94					1							S
88623	10.306	0.036	9.670	0.033	A						T *	9.6854	0.0024	0.021	63	*	9.65	9.73		C	18057−0537	I 1	2 C D	AB	65	6.551	0.107	3.49	0.27	G D
88624	7.898	0.008	7.627	0.008		0.297	0.001	G	0.34	0.00	H	7.6789	0.0011	0.014	143		7.66	7.70			18058+2127	I 3	1							S
88625	8.966	0.019	8.396	0.018		0.537	0.019	T	0.61	0.02	L	8.3893	0.0023	0.018	76		8.37	8.42					1 S							
88626	10.214	0.031	9.763	0.033		0.425	0.042	T	0.49	0.04	L	9.8909	0.0026	0.027	99		9.84	9.94					1							
88627	6.804	0.005	6.503	0.005	*	0.276	0.003	G	0.31	0.00	R *	6.5836	0.0010	0.009	121	*	6.57	6.60		D	18057+1200	I 1	2 C A	AB	257	6.899	0.002	0.40	0.01	S
88628	8.867	0.013	8.408	0.012		0.446	0.014	T	0.52	0.01	L	8.4575	0.0011	0.012	105		8.43	8.48					1							
88629	7.395	0.009	7.445	0.010	*	−0.070	0.042	G	−0.05	0.04	R *	7.4478	0.0013	0.010	83	–	7.43	7.47		D	18057−3635	I 1	3 C B							S G
88630	9.684	0.019	8.261	0.011		1.190	0.015	G	1.15	0.01	H	8.3179	0.0017	0.013	93		8.30	8.35					1							
88631	10.032	0.031	9.198	0.024		0.770	0.015	G	0.81	0.01	H	9.2783	0.0019	0.018	79		9.25	9.31		C			1							
88632	8.044	0.009	7.664	0.008		0.382	0.001	G	0.45	0.00	H	7.7242	0.0016	0.016	112		7.70	7.76		M			1							S
88633						1.360	0.015	G	1.85	0.02	A	11.4091	0.0045	0.044	113		11.32	11.49		D			1 X S							G
88634	10.957	0.110	9.278	0.047		1.300	0.015	G	1.26	0.02	K	9.3077	0.0018	0.018	70		9.28	9.33		C			1							
88635			3.633	0.010		0.981	0.047	G	0.99	0.02	A	3.1356	0.0006	0.003	58		3.13	3.14		C			1							S
88636	7.244	0.005	5.849	0.003		1.179	0.005	T	1.14	0.01	L	5.8878	0.0007	0.006	130		5.88	5.90		C			1							S
88637	7.891	0.007	7.162	0.006	*	0.654	0.007	T	0.72	0.01	L *	7.2033	0.0039	0.031	144	*	7.17	7.26		D	18058+2127	I 3	2 C A	AB	92	0.469	0.002	0.79	0.01	S
88638	8.497	0.010	8.147	0.010		0.321	0.021	G	0.37	0.03	H	8.1941	0.0014	0.014	113		8.17	8.22		C			1							S
88639						0.626	0.015	G	0.69	0.01	H	9.8390	0.0922	0.882	140		7.71	10.48		D	18058+2127	I 3	S							G
88640											T	11.1677	0.0052	0.035	78		11.09	11.22					1							G
88641	10.970	0.053	8.915	0.017		1.701	0.044	T	1.73	0.04	L	8.8286	0.0028	0.021	102		8.80	8.87					1							
88642						1.330	0.015	G	1.54	0.02	A	11.7418	0.0053	0.052	79		11.61	11.82					1							G
88643	10.548	0.048	10.070	0.051		0.522	0.020	G	0.59	0.02	H	10.0097	0.0036	0.024	83		9.97	10.05		D			1 S							G
88644	8.417	0.016	7.743	0.013		0.624	0.017	T	0.69	0.01	L	7.7844	0.0019	0.012	63		7.76	7.81		C			1							S
88645	9.381	0.035	8.373	0.026		0.880	0.033	T	0.89	0.02	L	8.4024	0.0018	0.014	70		8.38	8.43		C			1							
88646	9.854	0.025	9.428	0.026		0.416	0.029	T	0.48	0.03	L	9.4865	0.0023	0.022	118		9.46	9.52		C			1							
88647	10.505	0.035	9.192	0.019		1.115	0.031	T	1.08	0.03	L	9.2584	0.0019	0.017	112		9.23	9.29		C			1							
88648	11.080	0.076	10.280	0.061		0.607	0.046	G	0.68	0.04	H	10.2852	0.0046	0.033	84		10.21	10.33					1							G
88649	9.715	0.028	9.347	0.033		0.349	0.040	T	0.41	0.05	L	9.3347	0.0024	0.015	82		9.31	9.35		C			1							
88650	10.616	0.101	9.419	0.063		1.018	0.095	T	0.99	0.08	L	9.5087	0.0026	0.019	67		9.47	9.54		C			1 S							G
88651	9.063	0.011	8.513	0.010		0.521	0.011	T	0.59	0.01	L	8.5540	0.0013	0.016	184		8.52	8.58					1							
88652	8.528	0.014	7.981	0.013		0.571	0.028	G	0.64	0.03	H	8.0393	0.0025	0.017	71		8.01	8.06					1							S
88653	7.786	0.008	7.352	0.008		0.410	0.010	T	0.48	0.01	L	7.3976	0.0009	0.011	119		7.38	7.42					1							S
88654	8.633	0.011	7.103	0.006		1.285	0.010	T	1.24	0.01	L	7.1305	0.0008	0.008	117		7.12	7.15		C			1							S
88655	11.213	0.107	9.122	0.032		1.769	0.092	T	2.21	0.19	O	8.9822	0.0028	0.022	77		8.95	9.02					1							
88656	7.684	0.011	7.154	0.009		0.526	0.015	G	0.60	0.02	H	7.2065	0.0009	0.007	64		7.19	7.22		D	18060−0807	I 1	1							S
88657	7.149	0.005	5.185	0.003		1.656	0.062	G	2.18	0.05	F	5.0243	0.0013	0.015	152		5.00	5.04		U 2			1 S							S
88658	8.271	0.011	7.649	0.010		0.607	0.015	G	0.68	0.01	H	7.7041	0.0010	0.011	106		7.69	7.73					1							S
88659	9.051	0.016	8.522	0.015	*	0.505	0.017	T	0.58	0.02	L *	8.5437	0.0025	0.014	86	*	8.51	8.56		D	18060−5528	I 1	2 C A	AB	41	0.462	0.006	1.46	0.03	
88660	9.930	0.023	8.149	0.010		1.484	0.020	T	1.50	0.03	L	8.1207	0.0018	0.011	117		8.10	8.15					1							
88661	8.492	0.015	8.511	0.019		0.022	0.015	G	0.04	0.01	H	8.5323	0.0021	0.015	55		8.51	8.56		C	18060+0435	I 1	1							
88662	9.235	0.018	7.784	0.010		1.223	0.016	T	1.18	0.02	L	7.7979	0.0015	0.013	92		7.78	7.82		C			1							
88663	10.582	0.036	9.741	0.028		0.740	0.035	T	0.79	0.03	L	9.8120	0.0032	0.026	108		9.77	9.86					1							G
88664	7.597	0.005	7.433	0.005		0.157	0.007	T	0.17	0.01	L	7.4769	0.0010	0.012	189		7.46	7.50					1							S
88665	10.481	0.049	9.824	0.044		0.610	0.056	T	0.68	0.05	L	9.8873	0.0032	0.022	60		9.85	9.93		C			1							G
88666	9.687	0.023	7.998	0.012	A	1.300	0.495	G	1.36	0.06	L *	7.9163	0.0019	0.014	79	*	7.90	7.94		D	18061−5649	I 1	2 C A	AB	220	1.643	0.013	2.72	0.07	
88667	9.347	0.025	9.034	0.031	*	0.297	0.037	T	0.34	0.05	L *	9.1592	0.0028	0.018	62	*	9.12	9.19		D	18061−0022	I 1	2 C B	AB	148	5.073	0.026	1.71	0.12	
88668	10.025	0.031	9.395	0.028		0.586	0.036	T	0.66	0.03	L	9.4565	0.0026	0.022	72		9.42	9.49		C			1 S							G
88669	8.005	0.008	7.729	0.011		0.278	0.004	G	0.32	0.01	H	7.7754	0.0011	0.010	104		7.75	7.80					1							S
88670	6.064	0.004	5.872	0.004	*	0.184	0.006	T	0.20	0.01	L *	5.8970	0.0011	0.007	62	*	5.89	5.91		D	18061−0819	H 1	2 C A	AB	62	0.416	0.008	1.71	0.02	S
88671	7.641	0.006	6.458	0.005		1.014	0.006	T	0.99	0.01	L	6.4854	0.0014	0.008	64		6.47	6.50					1							S
88672	8.383	0.007	8.303	0.008		0.079	0.010	T	0.09	0.01	L	8.3351	0.0013	0.018	257		8.31	8.37					1							
88673											T	11.8212	0.0078	0.053	76		11.64	11.90					1 S							G
88674	9.402	0.014	8.146	0.009		1.071	0.013	T	1.04	0.01	L	8.2122	0.0016	0.015	127		8.18	8.24					1							S
88675	6.674	0.004	6.484	0.005		0.172	0.002	G	0.19	0.00	H	6.5181	0.0007	0.007	102		6.50	6.53		C			1							S
88676	11.201	0.048	9.335	0.018		1.551	0.041	T	1.57	0.04	L	9.3033	0.0022	0.021	137		9.26	9.34					1							
88677	9.680	0.025	8.718	0.019		0.846	0.023	T	0.86	0.02	L	8.7347	0.0014	0.013	78		8.72	8.75		C			1 S							
88678	9.812	0.014	9.376	0.014		0.412	0.018	T	0.48	0.02	L	9.4283	0.0020	0.024	228		9.38	9.47		C			1							
88679	10.278	0.028	9.852	0.031		0.448	0.007	G	0.52	0.01	H	9.9086	0.0025	0.021	124		9.87	9.95		C			1 S							G
88680	8.022	0.010	7.624	0.010		0.392	0.015	G	0.46	0.02	H	7.6855	0.0015	0.010	86		7.67	7.70		C			1							S
88681	7.957	0.011	7.954	0.015		0.007	0.017	T	0.03	0.02	L	7.9656	0.0013	0.012	66		7.94	7.99		C			1							S
88682	9.639	0.019	9.594	0.025		0.110	0.020	G	0.12	0.02	H	9.6322	0.0017	0.016	110		9.60	9.66					1							G
88683	8.043	0.016	7.352	0.017		0.611	0.015	G	0.68	0.01	H	7.4235	0.0013	0.010	91		7.41	7.44					1							S
88684	6.990	0.007	5.851	0.004		0.968	0.001	G	0.95	0.00	H	5.9059	0.0006	0.005	73		5.90	5.92					1							S
88685	9.100	0.014	8.551	0.013	*	0.514	0.017	T	0.59	0.02	L *	8.5707	0.0013	0.017	123	*	8.54	8.61		D	18063+3824	I 1	2 C A	AB	106	0.408	0.003	0.06	0.02	S
88686	8.623	0.007	6.921	0.004		1.421	0.006	T	1.41	0.01	L	6.9098	0.0008	0.011	205		6.89	6.93		C			1 G							S
88687	9.816	0.029	9.136	0.027		0.605	0.002	G	0.67	0.00	H	9.1376	0.0023	0.017	90		9.11	9.17		C			1							
88688	8.275	0.009	8.084	0.010		0.183	0.013	T	0.20	0.01	L	8.1219	0.0012	0.013	115		8.10	8.15		C			1							S
88689	9.133	0.011	8.439	0.009		0.640	0.015	G	0.70	0.01	H	8.4944	0.0015	0.018	181		8.47	8.53					1							
88690	8.891	0.013	8.323	0.012		0.510	0.015	G	0.58	0.02	H	8.3970	0.0017	0.014	101		8.37	8.42		C			1							
88691	7.953	0.011	8.020	0.015	A						T *	7.9155	0.0019	0.012	76	*	7.90	7.95		D	18063−3419	I 1	2 C A	AB	115	1.711	0.008	1.58	0.03	S
88692	9.900	0.024	9.489	0.026		0.399	0.020	G	0.46	0.02	H	9.5337	0.0032	0.020	74		9.51	9.58		C			1							G
88693	11.034	0.067	9.016	0.023		1.672	0.056	T	1.70	0.06	L	8.9194	0.0034	0.017	51		8.89	8.95		C			1							
88694	6.675	0.006	6.009	0.005		0.615	0.008	G	0.68	0.02	A	6.0654	0.0013	0.009	80		6.05	6.09		U 2			1							S
88695	9.491	0.023	8.968	0.024		0.500	0.025	T	0.57	0.03	L	8.9662	0.0025	0.021	88		8.93	9.01					1							
88696	9.320	0.016	8.091	0.011		1.050	0.015	T	1.02	0.01	L	8.1499	0.0012	0.011	107		8.13	8.17					1							
88697	9.499	0.018	7.954	0.010		1.297	0.016	T	1.26	0.02	L	7.9692	0.0015	0.014	118		7.94	7.99					1							
88698	9.652	0.023	9.162	0.023	*	0.461	0.030	T	0.53	0.03	L *	9.2087	0.0020	0.017	69	*	9.18	9.24		D	18065−0109	H 1	2 C B	AB	275	0.208	0.066	2.03	0.90	
88699	8.649	0.013	8.138	0.012	*	0.490	0.014	T	0.56	0.01	L *	8.1639	0.0015	0.014	113	*	8.14	8.19		D	18065−4931	I 1	2 C A	AB	39	0.629	0.005	1.17	0.02	S
88700	10.504	0.034	8.871	0.015		1.367	0.029	T	1.34	0.04	L	8.8702	0.0020	0.019	112		8.84	8.90					1							

Number	Descriptor: epoch J1991.25					Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V			α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	F1	F2
	h m s	±° ′ ″	mag			deg	deg		mas	mas/yr		mas		mas	mas/yr		$\alpha*$	$\alpha*$	δ	$\alpha*$	δ	π	$\alpha*$	δ	π	$\mu_{\alpha*}$	%	
1 2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
88701	18 06 28.73	+02 40 37.5	8.87		H	271.619 713 37	+02.677 087 04		2.26	4.83	−5.52	1.22	1.11	1.40	1.43	1.38	+34	−15	+14	−22	−19	+	0	−10	−40	−24	+60	0	−0.33
88702	18 06 29.54	−58 34 15.3	6.82		H	271.623 068 65	−58.570 925 82		1.59	1.21	−5.87	0.67	0.54	0.79	0.77	0.59	−21	−25	+	6	+28	−28	+	8	−27	+	1	+	5	−18	0	−0.36
88703	H 18 06 30.41	+40 21 39.6	7.44		H	271.626 721 18	+40.360 989 21	A	4.03	−3.11	−6.75	1.23	1.30	1.30	1.15	1.24	+	9	+	5	−18	+	3	+17	−	5	+19	−	1	+24	−	4	16	4.12
88704	18 06 31.11	−19 04 03.3	8.97		H	271.629 631 43	−19.067 590 64		8.19	12.00	−1.89	1.43	0.94	1.66	1.64	1.01	−15	−24	−27	−21	+30	−38	+11	−54	+21	−50	0	0.88
88705	18 06 33.86	−23 56 43.2	8.38		H	271.641 090 01	−23.945 326 99		1.00	−0.57	−3.22	1.27	0.94	1.34	1.55	1.08	−28	−36	−26	−24	+45	−11	+28	−70	+22	−48	0	0.55
88706	18 06 34.24	−14 58 22.5	7.93	2	G	271.642 649 47	−14.972 926 00		7.08	42.38	−37.42	0.99	0.57	1.08	1.10	0.67	+	8	−41	−26	+21	+11	−	4	−	7	−23	+17	−31	0	−0.52
*88707	18 06 34.75	+83 40 59.3	7.61		H	271.644 776 42	+83.683 137 28		3.12	1.07	−33.72	0.55	0.55	0.62	0.63	0.62	+	5	−10	−20	−	4	+10	−21	+	6	−	8	+	5	+20	0	0.25
*88708	18 06 34.71	−38 45 25.7	8.89		H	271.644 613 11	−38.757 146 47		5.86	−5.40	−39.76	1.40	0.95	1.51	1.75	1.03	+21	−30	−	9	−15	−	8	−24	−21	−63	+16	−	4	0	0.60
88709	18 06 35.36	−31 39 14.8	8.50		H	271.647 339 35	−31.654 106 02		2.15	2.81	−1.58	1.19	0.71	1.28	1.34	0.76	+	9	−46	−25	+11	+	6	−	9	−12	−45	+19	−20	0	0.16
88710	18 06 35.53	−50 31 26.8	8.62		H	271.648 034 97	−50.524 117 88		4.97	−13.29	−50.93	0.93	0.63	1.22	1.03	0.64	−	9	−24	−25	+26	−32	+14	−32	+	2	+24	−11	0	0.98
88711	18 06 36.43	−43 37 38.8	7.91	2	H	271.651 777 58	−43.627 442 64		2.87	−0.06	−8.73	1.12	0.57	1.16	1.34	0.62	+17	−34	−15	+38	−29	+	6	−21	−	3	+24	+33	2	2.05
88712	18 06 37.12	−42 36 24.1	8.50		H	271.654 653 27	−42.606 706 17		−1.19	−2.81	−9.39	1.09	0.58	1.31	1.19	0.59	+16	−39	+	6	+22	−28	−	5	−24	+	2	+12	+30	0	−0.20
88713	H 18 06 37.28	+50 00 38.3	9.04		H	271.655 314 69	+50.010 651 69	A	3.19	−12.07	16.18	7.41	6.94	2.04	1.84	2.49	−12	−	6	−12	+	3	−	4	+	9	−	2	+	6	−10	+	3	17	6.09
88714	18 06 37.88	−50 05 29.2	3.65	1	H	271.657 828 32	−50.091 454 62		3.22	−8.43	−9.26	0.60	0.40	0.71	0.65	0.41	−22	−29	−	4	+31	−34	−	1	−32	+	7	+10	−20	3	2.64
88715	18 06 38.82	+46 16 23.8	7.46		H	271.661 766 01	+46.273 285 65	+	5.15	−1.53	−4.55	0.59	0.58	0.62	0.77	1.00	−12	−19	+10	+11	−18	−20	+23	−27	−22	+39	0	0.23
*88716	18 06 40.60	+64 13 17.1	6.67		H	271.669 182 25	+64.221 422 72		5.83	−31.56	2.62	0.51	0.41	0.54	0.57	0.54	+13	−19	+	8	−	3	+	4	+	4	+	7	−21	−	7	+17	2	−0.57
*88717	18 06 40.57	+30 15 34.3	8.82		H	271.669 054 89	+30.259 520 10		2.01	−9.42	−8.46	0.71	0.85	1.05	0.87	0.98	+	0	−17	−	4	+10	+12	−14	+11	−	3	+	3	−	1	0	−2.04
88718	18 06 42.78	−18 59 02.8	8.01		H	271.678 254 79	−18.984 107 12		5.66	4.40	1.53	1.15	0.76	1.43	1.29	0.82	+	6	−35	−37	−	9	+22	−41	−	7	−46	+31	−48	0	0.34
88719	18 06 45.74	−11 28 55.0	9.16		H	271.690 594 19	−11.481 938 87		7.34	−19.37	−75.43	1.42	0.85	1.64	1.63	0.97	+14	−40	−28	+	4	−	2	−30	−25	−42	+25	−27	0	0.65
88720	18 06 45.79	−28 21 49.7	7.10		H	271.690 807 86	−28.363 794 24		2.39	−3.85	−12.34	0.84	0.50	0.89	0.87	0.50	+19	−35	−19	+16	+	7	−	9	+	0	−32	−	3	+	2	2	0.57
88721	18 06 46.12	−22 27 52.4	7.70		H	271.692 178 40	−22.464 555 79		0.64	2.95	0.07	0.95	0.55	1.01	1.01	0.62	+	8	−45	−13	+13	−	1	−	5	−13	−30	+	8	−21	0	3.05
88722	18 06 47.53	+43 27 06.9	7.37	2	H	271.698 023 09	+43.451 919 64		3.17	−26.54	−29.08	0.57	0.52	0.63	0.77	0.59	+13	+	7	+	1	−	5	+	3	−26	+	2	+	1	−	4	+14	0	0.39
88723	18 06 48.62	−49 32 20.5	8.70		H	271.702 565 67	−49.539 016 79		3.99	−42.85	−44.21	1.18	0.77	1.42	1.36	0.79	−12	−26	−18	+27	−34	+	4	−35	+	3	+12	−25	0	1.83
88724	18 06 48.81	+06 24 38.4	7.77		H	271.703 385 05	+06.410 653 58		22.82	−4.49	−43.63	0.99	0.79	1.10	1.11	0.87	−27	+	7	−36	−44	+21	−12	+13	−26	+16	−	5	0	−0.50
88725	18 06 48.96	+27 38 42.7	8.07		H	271.703 997 04	+27.645 197 85		1.78	−6.99	−6.52	0.59	0.66	0.90	0.78	0.80	+	8	−	4	−	7	+	6	+10	−	2	+	9	+	9	−	7	+	7	0	0.54
88726	H 18 06 49.88	−43 25 29.9	4.92		H	271.707 852 24	−43.424 961 69	A	22.79	9.49	−104.72	1.30	0.70	1.12	1.31	0.66	+15	−	3	+	0	+35	−30	+	9	−23	−	8	+	0	+27	3	1.45
88727	18 06 50.68	+24 18 40.6	7.62		H	271.711 167 16	+24.311 266 96		5.12	29.78	12.65	0.44	0.64	0.92	0.54	0.81	+11	−15	−	2	+26	+	8	+	0	+	5	+12	+23	+16	0	0.71
88728	18 06 50.75	+08 52 34.7	6.96		H	271.711 473 82	+08.876 304 59	+	25.47	38.71	−150.34	0.91	0.68	1.18	1.50	1.89	+	5	−	6	−18	−44	−	4	−33	+46	+13	+41	−35	0	2.29
88729	18 06 50.87	+04 01 04.3	9.16		H	271.711 939 06	+04.017 860 51		6.06	18.43	−47.86	1.26	1.12	1.49	1.39	1.27	+17	−40	−26	−16	−22	+18	−17	−37	+20	+40	0	−0.03
88730	18 06 51.19	−21 30 19.2	7.93		H	271.713 311 97	−21.505 330 68		−0.09	−1.02	−2.39	0.95	0.58	1.04	1.03	0.64	−	5	−38	−18	+	7	+	4	−10	−	4	−27	+11	−23	0	0.91
88731	18 06 52.61	+31 46 37.5	8.30		H	271.719 193 05	+31.777 080 32		2.13	4.84	8.55	0.62	0.65	0.86	0.69	0.76	+11	−23	−11	−	6	+	3	−	2	+	3	−	3	+	1	+	7	0	−0.50
88732	18 06 53.47	+50 49 21.4	6.31		H	271.722 802 87	+50.822 598 66		8.45	4.73	92.23	0.68	0.75	0.60	0.92	1.62	+40	−35	−34	−52	−37	+24	−35	−55	+	2	+32	0	0.90
88733	18 06 54.06	+46 46 42.5	8.33		G	271.725 267 19	+46.778 483 10		7.48	0.62	44.71	0.68	0.67	0.72	0.81	0.79	+	8	−	5	+	1	+22	+15	+	6	+15	+26	−	5	+14	0	−0.19
88734	18 06 54.11	+46 46 18.5	11.15		H																									
88735	18 06 54.96	−40 04 31.3	8.71		H	271.729 005 30	−40.075 358 22		0.84	8.20	−3.36	1.24	0.81	1.39	1.68	0.92	+	0	−30	−15	+11	+	5	−24	−12	−48	+24	−26	0	−2.91
88736	18 06 55.02	−52 58 01.0	7.83		H	271.729 235 31	−52.966 956 17		14.92	31.04	−102.92	0.91	0.63	0.98	0.96	0.60	−22	−29	+	3	+35	−47	−	6	−37	+	8	−	8	−15	0	0.07
88737	18 06 55.06	+14 08 20.2	10.18		H	271.729 435 57	+14.138 940 75		21.30	38.82	−238.49	1.34	1.56	2.02	1.68	1.96	+	2	−17	−10	−12	+16	+	0	+15	−10	+	5	−	9	7	2.22
88738	18 06 55.43	−29 04 29.0	7.79		H	271.730 951 66	−29.074 719 42		3.35	−0.28	−11.93	0.96	0.58	0.98	1.18	0.65	+17	−33	−15	+26	+	2	−	9	+	6	−30	−	4	+22	0	0.02
88739	18 06 55.58	−26 17 39.2	9.59		H	271.731 591 74	−26.294 211 41		11.14	−0.30	−27.89	1.39	0.88	1.49	1.95	1.08	+	2	−	6	−18	+23	+17	+	4	+18	−30	+23	+10	0	−0.01
88740	18 06 55.82	−03 14 01.3	7.03		H	271.732 588 79	−03.233 681 32		9.30	41.42	69.69	0.79	0.54	0.90	0.80	0.59	−13	−36	−	6	+	8	+18	+17	+17	−23	+	9	−	6	0	1.33
88741	18 06 58.11	−02 07 41.4	8.91		H	271.742 108 05	−02.128 161 83		11.15	33.42	−25.47	1.10	0.80	1.22	1.16	0.94	−	8	−32	−16	−	8	+21	+15	+34	−19	−19	+10	0	2.24
88742	18 06 59.23	−76 06 44.8	9.31		H	271.746 802 37	−76.112 457 07		3.39	37.52	−20.86	0.74	0.92	1.12	0.86	0.96	+	7	−20	−10	−	1	−15	−	4	−10	−	6	−23	−14	0	0.48
88743	18 07 00.25	−48 14 50.3	7.11	2	H	271.751 026 58	−48.247 306 70		3.75	3.71	8.63	0.79	0.52	0.94	0.94	0.56	−19	−22	−	6	+32	−29	−	7	−29	−	2	+18	−20	0	0.34
88744	18 07 00.84	+65 53 16.6	7.99		H	271.753 518 47	+65.887 947 93		5.02	−10.31	4.45	0.56	0.55	0.59	0.60	0.57	+	3	−13	+13	−14	+12	−	8	+11	−	2	−10	+24	1	−0.10
88745	H 18 07 01.61	+30 33 42.7	5.05		H	271.756 698 28	+30.561 868 09	A	63.88	−100.93	111.70	0.48	0.53	0.55	0.45	0.49	+14	−	5	−10	+26	+12	−	2	+12	+12	−	1	+10	2	0.75
88746	18 07 01.65	−27 06 07.2	9.02		H	271.756 862 86	−27.102 008 97		8.28	−7.56	−21.53	1.20	0.71	1.29	1.39	0.76	+35	−40	−31	+19	+	8	−	6	−	3	−29	+16	+21	0	0.34
88747	18 07 01.98	+22 25 51.5	8.30		H	271.758 238 17	+22.430 977 83		1.17	2.17	−6.60	0.57	0.76	1.08	0.67	0.85	+18	−18	+	7	+34	+16	+	1	+18	+14	+	5	+37	0	0.87
88748	18 07 02.30	−13 14 09.1	8.87		H	271.759 601 63	−13.235 872 07		2.26	−2.98	−1.32	0.99	0.59	1.06	1.03	0.66	+	6	−35	−13	+	6	−12	+10	−18	−24	−	2	−22	0	2.77
88749	H 18 07 02.77	+28 23 41.2	8.43		H	271.761 554 86	+28.394 767 21	*	1.46	−2.57	−16.85	0.65	0.69	0.98	0.81	0.77	+	5	−20	+	6	−	4	+16	+	0	+15	+	9	−	5	+10	0	−1.49
88750	18 07 03.72	+23 24 12.7	7.23		H	271.765 504 82	+23.403 516 81		5.21	−10.46	12.78	0.34	0.56	0.79	0.43	0.63	+	8	−12	−15	+10	+17	−	3	+13	+	5	+15	+13	0	0.88
88751	18 07 05.26	+40 09 05.2	8.82		H	271.771 936 49	+40.151 450 36		2.63	4.23	2.77	0.61	0.58	0.70	0.68	0.67	+	5	−	1	+	1	+	1	+11	−17	+11	+14	+	1	+10	0	−1.25
88752	18 07 06.04	+36 25 14.5	8.07		H	271.775 182 74	+36.420 700 22		4.98	1.32	12.67	0.60	0.57	0.71	0.63	0.64	+12	−23	−15	+24	+13	−10	+13	+13	−	5	+13	0	−0.73
88753	18 07 06.08	−01 46 13.7	8.23		G	271.775 343 02	−01.770 477 54		4.51	−1.10	−15.64	0.96	0.67	1.15	1.04	0.78	+22	−48	−25	−17	−12	+32	+	3	−17	−	8	+27	5	0.40
88754	H 18 07 06.29	+49 42 37.4	6.32		G	271.776 226 43	+49.710 392 79	A	4.52	0.60	19.82	0.64	0.63	0.63	0.66	0.73	+	0	−24	−23	+10	−	9	−10	−14	+17	+	7	−10	2	0.70
88755	H 18 07 07.79	−49 48 49.5	7.76		H	271.782 455 45	−49.813 757 85	A	4.18	−4.63	−30.14	1.75	1.28	1.97	1.92	1.20	+	0	−13	−28	+14	−36	+24	−27	−	6	+	8	+	7	2	0.54
88756	18 07 08.87	−65 58 10.2	9.67		H	271.786 946 39	−65.969 495 04		4.40	−13.87	−23.64	0.86	0.88	1.51	1.27	0.99	−	2	−18	−12	−13	−12	+36	−10	−	5	+29	+33	0	−0.92
88757	18 07 09.55	−79 50 16.3	8.78		H	271.789 808 60	−79.837 848 85		6.06	34.52	−13.42	0.62	0.71	0.86	0.68	0.81	−10	−10	−	1	+10	−19	−21	−20	+10	+	0	−18	0	−0.92
88758	18 07 10.23	−73 30 35.7	12.42		H	271.792 639 55	−73.509 927 48		6.57	0.79	8.74	2.11	2.73	3.74	2.27	3.33	+	4	−	3	−	8	+18	−	2	−	8	−	3	−	2	+	7	+	1	2	−1.39
*88759	18 07 11.82	−18 54 32.8	11.57		H																									
*88760	18 07 11.35	−21 26 38.2	6.22		H	271.797 305 11	−21.443 932 46		0.77	−0.26	−2.15	0.74	0.44	0.80	0.75	0.49	−	6	−48	−12	+10	+	9	−11	+	1	−26	+	6	−24	0	2.13
*88761	18 07 11.47	+34 49 31.0	7.33	2	H	271.797 806 03	+34.825 275 31		3.89	−9.22	−5.27	0.50	0.54	0.67	0.56	0.66	+	9	−27	−26	−	2	+	3	+	1	+	5	+	6	−	2	+	0	2	−0.19
88762	H 18 07 12.95	−18 54 19.0	10.31		H	271.803 960 84	−18.905 269 23	A	9.87	27.17	−198.53	14.15	10.74	8.63	9.67	5.62	+65	−	5	−31	+	1	+37	−50	−	3	−46	+44	−64	17	1.34
88763	18 07 15.81	−59 36 32.6	8.41	1	H	271.815 888 90	−59.609 060 94		1.64	−2.83	2.41	0.98	0.84	1.15	1.36	0.96	−13	−10	+	9	−10	−11	−	12	−	9	+	6	+17	−18	0	−1.28
88764	18 07 17.08	+06 42 06.0	7.05		H	271.821 149 42	+06.701 653 28		4.95	−7.12	−64.90	0.79	0.64	0.92	0.90	0.73	−	7	−	6	−27	−31	+	0	+	7	+	1	−22	+	0	+	5	0	0.22
88765	18 07 18.35	+08 44 01.7	4.64		G	271.826 476 43	+08.733 793 61		13.71	9.79	30.24	0.67	0.54	0.82	0.66	0.57	+	5	−39	−41	−27	+10	+15	+	5	−20	+24	+11	0	2.27
88766	18 07 18.65	+15 56 47.2	8.66		H	271.827 719 23	+15.946 451 14		16.73	−62.42	−187.82	0.76	0.69	1.16	0.93	0.72	+16	−16	+	3	+19	+58	−20	+56	+21	−	2	−14	1	1.01
88767	18 07 19.44	+45 06 14.8	9.15		H	271.831 004 60	+45.104 117 87		10.75	−16.10	−47.20	0.75	0.78	0.85	1.00	0.92	+	5	−	5	−	8	+	6	+10	+10	+10	+23	−	1	−	7	0	1.55
88768	18 07 20.20	−21 12 05.8	7.67		H	271.834 181 33	−21.201 614 48		0.09	−0.51	−3.87	1.03	0.60	1.19	1.09	0.67	+12	−53	−32	+	5	+12	−17	−10	−39	+24	−24	0	−0.42
88769	18 07 20.70	+15 14 05.0	7.24	2	H	271.836 263 31	+15.234 724 25		3.76	0.64	−7.07	0.70	0.67	1.11	1.07	0.63	+	0	+	5	−41	+	1	+74	−53	+60	−	9	+16	−31	2	0.14
88770	18 07 20.99	+02 28 53.7	6.51		H	271.837 437 85	+02.481 596 14		4.07	−2.45	29.87	0.74	0.60	0.89	0.84	0.69	+19	−27	−20	−15	−	5	+26	+	0	−28	+22	+49	0	−0.86
88771	18 07 21.02	+09 33 49.2	3.71		H	271.837 586 10	+09.563 653 45		39.40	−61.60	79.71	0.66	0.55	0.83	0.67	0.57	+	4	−37	−44	−35	−	2	+29	+	9	−14	+	6	−	2	2	0.18
88772	18 07 21.19	+15 55 00.6	6.68		H	271.838 307 95	+15.916 844 91		7.18	−7.45	−141.04	0.56	0.50	0.81	0.70	0.51	+	4	−16	−	2	+15	+58	−27	+54	+13	+	2	−19	2	−1.07
*88773	18 07 21.28	−36 52 24.2	8.25		H	271.838 666 29	−36.873 384 18		10.13	−3.81	−82.93	1.00	0.67	1.20	1.40	0.78	+10	−23	−20	+	1	+	3	−34	−12	−42	+22	−15	0	1.20
*88774	18 07 21.21	−07 23 37.2	10.18		G	271.838 371 96	−07.393 663 04		5.23	6.40	1.17	1.62	1.14	1.75	2.15	1.47	+27	−23	−16	−	8	−	2	−	4	−	2	−24	+	8	+43	0	1.58
88775	18 07 22.01	−58 57 42.0	10.25	3	H	271.841 700 08	−58.961 677 08		0.35	−4.51	1.34	1.59	1.29	1.91	1.96	1.58	−15	−25	+13	+	2	−26	−	6	−26	+13	+14	−20	0	−0.21
88776	18 07 22.27	−38 58 32.9	8.24	2	H	271.842 797 33	−38.975 795 37		0.20	−3.30	−6.40	1.13	0.79	1.26	1.73	0.94	+	8	−11	+	0	−	9	−10	−26	−10	−57	+13	+	5	0	0.02
88777	18 07 22.53	−44 09 25.8	8.48		G	271.843 890 80	−44.157 169 29		10.74	1.69	43.06	1.10	0.63	1.17	1.27	0.67	+11	−35	−15	+38	−31	−	1	−29	+	9	+23	+17	2	−0.99
88778	18 07 24.18	+15 57 24.0	8.18		H	271.850 729 56	+15.956 679 86		4.06	−5.43	18.25	0.77	0.68	1.11	0.95	0.70	+27	−10	−	6	+27	+62	−26	+58	+26	+	2	−	6	1	1.40
88779	18 07 24.84	+14 51 59.0	8.71		H	271.853 495 49	+14.866 394 10		3.37	7.01	6.64	0.81	0.73	1.28	1.19	0.90	−12	+	2	−20	−15	+53	−33	+50	−	3	+	7	−45	0	0.08
88780	18 07 25.09	+77 35 35.2	7.42		H	271.854 554 88	+77.593 122 12		6.19	−1.38	7.27	0.53	0.63	0.60	0.58	0.76	+	6	−	8	+	0	−	2	+11	−	8	+14	−20	−	3	+16	0	−0.99
88781	18 07 26.13	−14 04 01.3	8.60		H	271.858 860 57	−14.067 038 25		3.55	9.25	8.79	1.11	0.66	1.15	1.28	0.80	−14	−34	−15	+18	+	7	+	3	−	3	−13	+	5	−44	0	−1.77
88782	18 07 26.24	−46 53 54.8	7.64		H	271.859 321 38	−46.898 552 39		15.27	−33.51	−105.84	0.86	0.54	1.06	1.00	0.62	+	3	−34	+	4	+17	−34	+	9	−32	−13	+21	+24	0	0.62
88783	18 07 26.26	−29 28 32.9	8.26		H	271.859 409 21	−29.475 815 59		0.63	1.67	−2.60	1.20	0.70	1.27	1.29	0.75	+15	−54	−18	+12	+16	+	1	+12	−36	+	0	+	8	0	−0.08
88784	18 07 26.47	+53 11 00.0	8.51		H	271.860 311 25	+53.183 333 22		3.50	14.86	−5.87	0.65	0.67	0.71	0.68	0.94	−	5	−11	−12	+	5	+	4	+	1	+	7	+	9	0	−0.14	0	−0.19
88785	18 07 28.00	−73 05 49.6	8.91		H	271.866 653 37	−73.097 123 17		17.65	18.56	52.99	0.68	0.94	1.27	0.71	1.03	+	2	−15	−15	+11	−14	−16	−18	−	3	−	7	−14	0	0.73
88786	18 07 28.07	−23 19 55.3	9.14		G	271.866 950 37	−23.332 026 56		6.16	15.69	−53.12	1.31	0.81	1.39	1.45	0.90	+15	−37	+	1	+17	+	9	+	7	−	1	−34	+	6	+	3	4	−2.50
88787	18 07 28.25	−47 48 12.4	8.94		H	271.867 694 37	−47.803 431 13		3.08	−2.61	−25.23	1.15	0.73	1.32	1.41	0.82	+	0	−32	−15	+	7	−42	+	8	−40	−25	+27	+	6	0	0.51
*88788	18 07 28.74	+43 27 43.3	5.00		G	271.869 743 31	+43.462 032 47		8.98	1.94	−58.00	0.50	0.45	0.50	0.66	0.57	−	8	+12	+	5	−22	+12	−17	+16	−16	+	5	+	1	0	0.49
*88789	18 07 28.71	−28 30 23.6	10.04	2	G	271.869 628 52	−28.506 565 41		−1.31	2.38	0.66	1.84	1.11	1.90	2.21	1.20	+17	−31	−25	+29	+24	+	3	+24	−23	+	4	+17	0	1.57
88790	18 07 29.40	+56 48 06.3	7.67		H	271.872 502 10	+56.801 745 47		8.61	22.70	64.24	0.57	0.55	0.58	0.64	0.59	−	2	+	7	−	1	−	2	+14	−	9	+14	−	7	+	2	+	9	0	1.75
88791	H 18 07 29.52	+19 39 59.1	7.46		H	271.872 986 35	+19.666 419 19	A	5.24	4.71	2.97	1.77	1.98	1.08	0.82	1.00	+34	+	1	+	4	+14	+25	+20	+32	+16	+23	+35	0	−1.40
88792	18 07 29.86	+41 21 02.5	9.58		H	271.874 418 79	+41.350 690 63		2.81	−1.73	−4.74	0.73	0.74	0.86	0.78	0.86	−	9	−12	+	7	−	3	+	4	−	6	+	5	−	1	−	4	−	2	0	−0.99
88793	18 07 30.09	+26 24 53.4	7.11		H	271.875 375 69	+26.414 838 56		7.07	4.54	17.17	0.42	0.50	0.69	0.53	0.58	+	5	−11	−10	+	3	+	5	−	5	+	4	+	1	+	5	+12	0	0.47
88794	18 07 32.55	+28 45 44.9	3.84		H	271.885 628 24	+28.762 470 25		9.39	−0.17	7.51	0.42	0.43	0.57	0.51	0.44	−	1	+	0	+10	−21	+14	−17	+11	−	7	−	6	+18	0	−1.85
88795	18 07 33.78	−09 10 40.6	7.97		H	271.890 743 53	−09.177 937 36		5.67	12.06	0.87	1.09	0.67	1.18	1.10	0.73	+	0	−45	−21	+	4	+15	−	4	+	8	−	5	+	3	−	26	0	−0.68
88796	18 07 34.19	−20 25 31.1	9.89		H	271.892 473 82	−20.

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data										Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
88701	10.645	0.075	9.012	0.033		1.367	0.065	T	1.34	0.08	L	9.0259	0.0032	0.018	47		9.00	9.06					1							
88702	6.702	0.005	6.811	0.007		−0.094	0.008	T	−0.08	0.01	L	6.7987	0.0010	0.008	90		6.79	6.81					1							S
88703	7.489	0.008	7.394	0.008	*	0.093	0.010	T	0.11	0.01	L *	7.4811	0.0010	0.010	130	*	7.47	7.50		D	18065+4022	I 1	2 C A	AB	83	2.643	0.004	0.56	0.02	S
88704	9.693	0.024	9.026	0.021		0.608	0.024	T	0.68	0.02	L	9.1002	0.0023	0.020	69		9.07	9.13		C			1							
88705	10.276	0.035	8.572	0.016		1.423	0.030	T	1.41	0.05	L	8.5238	0.0018	0.011	74		8.50	8.54		C			1							
88706	8.396	0.015	7.954	0.011		0.446	0.015	G	0.52	0.02	H	8.0277	0.0036	0.023	68		7.99	8.06		U 2			1							S
88707	9.052	0.014	7.729	0.009		1.123	0.013	T	1.09	0.01	L	7.7754	0.0010	0.010	105		7.75	7.80					1							S
88708	9.424	0.019	8.924	0.019		0.470	0.024	T	0.54	0.03	L	8.9984	0.0021	0.016	73		8.98	9.03		C			1							
88709	10.377	0.049	8.664	0.022		1.430	0.042	T	1.42	0.07	L	8.6376	0.0016	0.013	75		8.61	8.66		C			1							
88710	9.097	0.017	8.666	0.017		0.407	0.022	T	0.47	0.02	L	8.7170	0.0021	0.014	96		8.69	8.74					1							
88711	10.010	0.029	8.185	0.012		1.550	0.026	T	2.79	0.05	O	7.8785	0.0116	0.139	94		7.68	8.06		U 2			1 S							P
88712	9.863	0.019	8.612	0.012		1.067	0.018	T	1.03	0.01	L	8.6710	0.0018	0.014	121		8.65	8.69		C			1							
88713	9.547	0.022	9.145	0.023	*	0.380	0.030	T	0.44	0.03	L *	9.1269	0.0017	0.016	102	*	9.10	9.15		D	18067+5001	I 1	2 C B	AD	3	0.337	0.009	0.22	0.14	
88714	3.537	0.003	3.653	0.002		−0.101	0.003	T	−0.06	0.02	A	3.6327	0.0005	0.005	97		3.63	3.64		M			1							S
88715	7.918	0.007	7.492	0.007		0.402	0.009	T	0.47	0.01	L	7.5519	0.0012	0.010	120		7.53	7.57		C			1 O							S
88716	7.854	0.010	6.780	0.006		0.930	0.009	T	0.92	0.01	L	6.8325	0.0009	0.009	104		6.82	6.85					1							S
88717	10.214	0.025	8.955	0.015		1.073	0.023	T	1.04	0.02	L	8.9896	0.0019	0.023	146		8.95	9.03					1							
88718	8.432	0.011	8.054	0.012		0.358	0.015	T	0.42	0.02	L	8.0945	0.0021	0.013	73		8.07	8.12			18067−1859	I 1	1							S
88719	9.792	0.027	9.231	0.026		0.525	0.033	T	0.60	0.04	L	9.2718	0.0020	0.014	62		9.24	9.30		C			1							
88720	7.084	0.008	7.113	0.011		−0.022	0.012	T	0.00	0.01	L	7.1007	0.0012	0.007	75		7.09	7.11		C			1							S
88721	9.364	0.021	7.868	0.011		1.259	0.019	T	1.22	0.02	L	7.8621	0.0016	0.010	77		7.84	7.88					1							
88722	9.130	0.017	7.606	0.010		1.302	0.016	T	3.24	0.05	O	7.1871	0.0142	0.093	107		7.00	7.38		U 2 C			1 S							
88723	10.026	0.031	8.790	0.019		0.466	0.003	G	1.20	0.10	S	8.8617	0.0034	0.027	106		8.81	8.90		R			1							
88724	8.558	0.013	7.836	0.011		0.663	0.014	T	0.72	0.01	L	7.9068	0.0020	0.012	64		7.89	7.92		C			1							S
88725	9.995	0.021	8.230	0.009		1.471	0.018	T	1.48	0.03	L	8.1983	0.0017	0.016	154		8.17	8.23					1							
88726	5.128	0.010	4.857	0.012	*	0.255	0.017	T	0.29	0.02	L *	4.9880	0.0004	0.005	112	*	4.98	4.99		D	18068−4325	I 1	2 C A	AB	12	1.674	0.002	0.08	0.01	S
88727	8.970	0.010	7.740	0.006		1.050	0.009	T	1.02	0.01	L	7.7876	0.0010	0.015	205		7.76	7.81		C			1							S
88728	7.553	0.007	7.027	0.007		0.510	0.015	G	0.58	0.02	H	7.0750	0.0012	0.008	72		7.06	7.09		C	18068+0852	I 1	1 O							S
88729	10.694	0.066	9.335	0.034		1.151	0.058	T	1.11	0.05	L	9.3240	0.0030	0.018	54		9.30	9.35		C			1							
88730	8.716	0.012	8.011	0.010		0.650	0.020	G	0.71	0.02	H	8.0641	0.0015	0.011	90		8.05	8.08		C			1							
88731	8.270	0.008	8.290	0.010		−0.014	0.012	T	0.01	0.01	L	8.3051	0.0017	0.016	127		8.28	8.34					1							S
88732	7.645	0.008	6.417	0.005		1.051	0.006	G	1.02	0.01	H	6.4738	0.0008	0.006	97		6.46	6.49					1 G							S
88733	8.721	0.010	8.361	0.010		0.358	0.015	G	0.42	0.02	H	8.4165	0.0019	0.015	123		8.39	8.45		D	18069+4647	I 2	1							S
88734											T	11.2880	0.0926	0.813	100		9.33	11.84		D	18069+4647	I 2	S							G G
88735	10.007	0.028	8.840	0.018		1.001	0.026	T	0.98	0.02	L	8.8733	0.0021	0.017	81		8.85	8.91		C			1							
88736	8.427	0.012	7.893	0.012		0.503	0.015	G	0.58	0.02	H	7.9440	0.0013	0.011	93		7.93	7.96		C			1							S
88737	11.658	0.104	10.487	0.056		1.004	0.092	T	0.98	0.07	L	10.3177	0.0030	0.027	85		10.25	10.36		D			1 S							G
88738	7.818	0.013	7.799	0.015		0.022	0.018	T	0.04	0.01	L	7.8090	0.0013	0.012	76		7.79	7.83		C			1							S
88739	10.389	0.050	9.781	0.052		0.565	0.053	T	0.64	0.05	L	9.7127	0.0031	0.020	85		9.68	9.75		C			1 S							G
88740	7.619	0.007	7.089	0.007		0.497	0.009	T	0.57	0.01	L	7.1402	0.0011	0.009	78		7.12	7.16					1							S
88741	9.583	0.024	8.998	0.022		0.546	0.029	T	0.62	0.03	L	9.0272	0.0033	0.017	70		8.99	9.06					1							
88742	10.201	0.022	9.380	0.018		0.724	0.022	T	0.78	0.02	L	9.4468	0.0024	0.028	157		9.40	9.50					1							
88743	8.378	0.010	7.227	0.006		0.989	0.009	T	0.97	0.01	L	7.2696	0.0022	0.018	111		7.24	7.30		U 2			1							S
88744	8.033	0.012	7.998	0.012		0.037	0.016	T	0.05	0.01	L	8.0133	0.0014	0.012	104		8.00	8.03		C			1							S
88745	5.677	0.002	5.118	0.002	*	0.528	0.002	T	0.60	0.00	L *	5.1608	0.0005	0.006	147	*	5.15	5.17		D	18071+3034	I 1	2 C A	AB	25	0.971	0.021	3.75	0.07	S
88746	9.673	0.035	9.143	0.037		0.506	0.038	T	0.58	0.04	L	9.1289	0.0024	0.015	83		9.10	9.15		C			1							
88747	10.501	0.030	8.506	0.011		1.653	0.025	T	1.68	0.03	L	8.4076	0.0021	0.021	154		8.37	8.44					1							
88748	9.410	0.019	8.908	0.019		0.472	0.024	T	0.54	0.03	L	8.9746	0.0018	0.011	75		8.95	9.00		C			1							
88749	9.239	0.018	8.505	0.015	*	0.673	0.018	T	0.73	0.01	L *	8.5646	0.0021	0.019	141	*	8.53	8.60			18070+2824	H 1	2 C S A	AB	300	0.125	0.010	0.46	0.57	S
88750	7.422	0.004	7.260	0.004		0.156	0.005	T	0.17	0.01	L	7.2834	0.0009	0.011	226		7.26	7.30					1							S
88751	8.730	0.010	8.789	0.014		−0.049	0.016	T	−0.03	0.02	L	8.8093	0.0014	0.014	130		8.78	8.84		C			1							
88752	8.327	0.009	8.099	0.010		0.218	0.013	T	0.24	0.01	L	8.1361	0.0016	0.014	115		8.11	8.16		C			1							S
88753	8.528	0.014	8.220	0.015		0.393	0.015	G	0.46	0.02	H	8.2968	0.0019	0.015	72		8.27	8.32		C			1							
88754	6.559	0.005	6.529	0.006	A	−0.020	0.351	G	0.03	0.01	L *	6.5279	0.0008	0.007	94	*	6.52	6.54		D	18071+4943	I 1	2 C C	AB	140	2.269	0.027	3.93	0.14	S
88755	8.028	0.009	7.818	0.011	*	0.194	0.014	T	0.21	0.02	L *	7.8222	0.0019	0.012	103	*	7.80	7.85		D	18071−4949	I 1	2 C A	AB	208	0.608	0.004	1.06	0.02	S
88756	10.099	0.021	9.695	0.022		0.382	0.028	T	0.45	0.03	L	9.7604	0.0024	0.032	149		9.71	9.81		C			1 G							
88757	9.317	0.012	8.842	0.011		0.460	0.013	T	0.53	0.01	L	8.8830	0.0017	0.019	160		8.85	8.91					1							
88758											T	12.5308	0.0103	0.104	143		12.38	12.74					1							G
88759											T	11.5746	0.2182	0.677	45		10.79	12.70		D	18072−1855	I 2	S							G
88760	6.325	0.004	6.269	0.005		0.102	0.019	G	0.23	0.03	C	6.2808	0.0009	0.009	96		6.26	6.30					1							S
88761	9.326	0.017	7.550	0.008		1.509	0.015	T	2.46	0.04	O	7.3482	0.0043	0.035	112		7.29	7.40		U 2 C			1 S							S
88762						1.493	0.232	G	2.02	1.33	I *	10.3734	0.0225	0.161	62	*	9.92	10.47		D	18072−1855	I 2	2 C D	AD	204	1.286	0.089	0.66	0.14	G X
88763	10.633	0.042	8.615	0.015		1.709	0.037	T	2.14	0.09	O	8.4806	0.0028	0.025	80		8.45	8.53		U			1							
88764	8.513	0.012	7.180	0.008		1.131	0.011	T	1.09	0.01	L	7.2211	0.0012	0.008	69		7.21	7.24		C			1							S
88765	5.867	0.005	4.748	0.003		0.951	0.036	G	0.92	0.02	A	4.8039	0.0008	0.005	68		4.79	4.81		C			1							S
88766	9.443	0.014	8.710	0.012		0.647	0.005	G	0.71	0.00	H	8.7985	0.0013	0.017	180		8.77	8.83			18073+1557	I 1	1							
88767	9.916	0.021	9.188	0.018		0.668	0.022	T	0.73	0.02	L	9.2823	0.0021	0.021	130		9.25	9.33		C			1 G							
88768	8.975	0.014	7.826	0.010		0.987	0.013	T	0.97	0.01	L	7.8336	0.0012	0.012	87		7.81	7.86		C			1							S
88769	9.501	0.012	7.457	0.005		1.730	0.011	T	2.35	0.04	O	7.2829	0.0054	0.038	163		7.24	7.34		U 2			1							S
88770	8.450	0.014	6.672	0.007		1.481	0.012	T	1.50	0.02	L	6.6343	0.0009	0.008	61		6.62	6.65		C			1							S
88771	3.903	0.003	3.737	0.003		0.159	0.004	T	0.18	0.00	L	3.7636	0.0005	0.004	68		3.76	3.77		C	18073+0934	I 1	1 S							S
88772	8.104	0.007	6.811	0.004		1.128	0.004	G	1.11	0.06	F	6.8518	0.0007	0.009	186		6.84	6.87		C			1							S
88773	8.934	0.017	8.304	0.015		0.581	0.017	T	0.65	0.02	L	8.3718	0.0014	0.014	92		8.34	8.39		C			1 S							
88774	10.971	0.059	10.199	0.048		0.670	0.020	G	0.73	0.02	H	10.3128	0.0042	0.027	68		10.26	10.36		C			1							G
88775											T	10.4191	0.0861	0.459	82		10.18	11.31	19.97	P 1 A			1							G
88776	10.362	0.039	8.455	0.016		1.617	0.035	T	2.26	0.08	O	8.2914	0.0040	0.023	77		8.25	8.33		U 2			1							
88777	8.984	0.014	8.555	0.014		0.445	0.015	G	0.51	0.02	H	8.5737	0.0014	0.014	107		8.55	8.61			18074−4409	I 1	1 S							
88778	9.822	0.017	8.306	0.009		1.276	0.003	G	1.24	0.00	H	8.3334	0.0014	0.016	181		8.31	8.36					1							
88779	8.850	0.010	8.720	0.011		0.126	0.014	T	0.14	0.01	L	8.7535	0.0016	0.017	149		8.72	8.78		C			1							
88780	8.850	0.013	7.547	0.008		1.107	0.012	T	1.07	0.01	L	7.5902	0.0012	0.011	101		7.57	7.61		C			1							S
88781	10.067	0.035	8.764	0.020		1.107	0.032	T	1.07	0.03	L	8.7665	0.0026	0.015	58		8.74	8.79		C			1							
88782	8.457	0.011	7.708	0.008		0.655	0.007	G	0.72	0.01	H	7.7758	0.0015	0.012	115		7.76	7.80		C			1							S
88783	10.490	0.073	8.462	0.025		1.680	0.061	T	1.70	0.06	L	8.3711	0.0017	0.014	65		8.35	8.39		C			1 S							
88784	9.864	0.020	8.614	0.013		1.066	0.019	T	1.03	0.02	L	8.6757	0.0015	0.015	124		8.65	8.71		C			1							S
88785	9.728	0.017	8.971	0.014		0.676	0.017	T	0.74	0.01	L	9.0435	0.0027	0.028	172		8.99	9.09					1							
88786	9.743	0.028	9.179	0.027		0.540	0.015	G	0.61	0.02	H	9.2558	0.0031	0.021	81		9.22	9.30		C			1 S							D
88787	10.120	0.027	9.041	0.019		0.934	0.025	T	0.93	0.02	L	9.0991	0.0021	0.016	103		9.07	9.13		C			1							
88788	6.156	0.004	5.106	0.003		0.913	0.000	G	0.91	0.00	H	5.1545	0.0008	0.007	112		5.14	5.16					1 G							S
88789						3.360	0.050	G	3.38	0.05	J	9.8804	0.0144	0.199	68		9.68	10.13		U 2 C			1 S							G
88790	8.568	0.009	7.761	0.008		0.730	0.009	T	0.78	0.01	L	7.8191	0.0012	0.012	120		7.80	7.84		C			1							
88791	7.664	0.007	7.488	0.007	*	0.169	0.009	T	0.18	0.01	L *	7.5169	0.0015	0.012	112	*	7.50	7.54		D	18075+1940	I 1	2 C A	AB	218	0.345	0.004	0.98	0.04	S
88792	10.979	0.050	9.728	0.027		1.067	0.044	T	1.03	0.04	L	9.7548	0.0018	0.022	119		9.72	9.80		C			1							
88793	8.299	0.007	7.227	0.005		0.928	0.007	T	0.92	0.01	L	7.2731	0.0010	0.012	174		7.26	7.29					1							S
88794	3.817	0.002	3.835	0.002		−0.018	0.018	G	−0.02	0.05	D	3.8384	0.0003	0.004	149		3.83	3.85					1							S
88795	8.268	0.011	8.013	0.013		0.243	0.016	T	0.27	0.02	L	8.0420	0.0017	0.012	64		8.02	8.07					1							S
88796	10.203	0.030	9.996	0.041		0.198	0.048	T	0.22	0.06	L	9.9517	0.0023	0.020	82		9.91	9.99		C			1							G
88797	9.027	0.018	8.772	0.021		0.243	0.026	T	0.27	0.03	L	8.8463	0.0021	0.015	64		8.83	8.88					1							
88798	9.542	0.025	8.438	0.017		0.952	0.024	T	0.94	0.02	L	8.5063	0.0015	0.010	68		8.49	8.52		C			1							
88799	9.123	0.013	8.490	0.011		0.560	0.015	G	0.63	0.01	H	8.5515	0.0014	0.014	119		8.52	8.58		C			1							S
88800	10.887	0.075	9.366	0.033		1.278	0.064	T	1.24	0.07	L	9.3606	0.0026	0.018	70		9.33	9.39		C			1							

Number HIP 1 2	Descriptor: epoch J1991.25 RA h m s 3	Dec ±° ′ ″ 4	V mag 5 6 7		Position: epoch J1991.25 α (ICRS) deg 8	δ deg 9	10	Par. π mas 11	Proper Motion $\mu_{\alpha*}$ mas/yr 12	μ_δ 13	Standard Errors α* mas 14	δ 15	π mas 16	$\mu_{\alpha*}$ mas/yr 17	μ_δ 18	Astrometric Correlations (%) 19	20	21	22	23	24	25	26	27	28	Soln F1 % 29	F2 30
88801	18 07 39.25	−54 20 20.4	8.93	H	271.913 522 46	−54.339 006 68		1.39	−11.63	−6.91	1.22	0.81	1.33	1.51	0.87	−24	−16	+	3	+35	−38	+	6	−32	+	9	−	6	−20	0	0.96
88802	18 07 40.22	−54 36 28.8	12.94	3 H	271.917 564 54	−54.607 988 06		−11.70	−21.59	−0.25	7.36	5.14	9.40	10.69	6.58	−16	−	6	+	9	+34	−19	+32	−13	−	7	+30	+15	5	4.16
88803	18 07 40.34	−43 23 31.2	7.45	H	271.918 077 52	−43.392 005 13		3.57	5.33	−18.75	0.87	0.49	1.03	1.04	0.53	+16	−25	+10	+30	−23	+	7	−18	+	7	+22	+40	0	−1.00
88804	18 07 40.54	−18 01 33.7	8.59	1 H	271.918 930 49	−18.026 033 04		3.13	3.33	0.27	1.16	0.72	1.37	1.32	0.77	−	2	−25	−16	−11	+11	−38	−	2	−40	+12	−33	0	−0.20
88805	18 07 41.02	−35 23 20.2	8.78	H	271.920 933 99	−35.388 956 00		0.57	−2.41	−2.39	1.45	0.79	1.45	1.86	0.92	+15	−35	−23	+33	+	1	−	5	−14	−37	+24	−	6	0	1.18
88806	18 07 43.72	−16 02 28.9	8.85	H	271.932 172 66	−16.041 369 38		5.42	−17.69	−11.86	1.20	0.78	1.44	1.49	0.89	+16	−18	−28	−	3	+15	−31	−	5	−40	+31	−19	0	1.96
88807	18 07 44.84	+52 54 40.4	9.43	H	271.936 832 74	+52.911 235 32		3.19	6.42	11.91	0.72	0.74	0.78	0.80	1.09	−	1	−	1	−12	+10	+	4	−	6	+	6	+19	+	9	−10	0	−0.11
88808	18 07 45.36	+18 52 40.7	8.06	H	271.939 017 55	+18.877 985 33		4.01	−2.35	2.93	0.80	0.79	1.12	0.91	0.94	+	6	−27	+23	+37	+39	+	5	+38	+25	−	8	−	9	0	−0.36
88809	18 07 45.50	+52 01 39.5	8.01	H	271.939 587 40	+52.027 636 71		3.27	0.20	19.10	0.66	0.64	0.71	0.94	0.85	−	7	+	5	−32	+11	−12	+11	−	9	+12	−	4	−	8	0	0.77
88810	18 07 46.98	+50 53 19.3	8.28	H	271.945 760 68	+50.888 681 26		5.45	−3.82	0.00	0.60	0.67	0.69	0.75	0.83	+	4	−16	−28	+	0	+	8	−	6	+	7	+19	−12	+10	0	0.18
88811	18 07 47.13	+32 58 08.5	9.25	H	271.946 365 01	+32.969 028 43		3.10	0.21	−6.63	0.81	0.91	1.10	0.91	1.15	+	8	−	7	+	5	+	1	+	8	−13	+	8	−	5	+10	+13	0	0.80
88812	18 07 47.58	+09 50 56.1	6.66	H	271.948 243 88	+09.848 920 67		3.96	0.07	5.11	0.68	0.58	0.92	0.74	0.63	+15	−40	−43	−25	−	2	+25	+	7	−	7	+	9	−11	2	2.66
88813	18 07 47.79	+67 24 58.4	7.74	H	271.949 110 01	+67.416 229 49		3.96	−0.77	13.02	0.56	0.53	0.59	0.56	0.59	−12	−	7	+	6	−20	−	3	−	1	−	2	−	6	−11	−21	1	−0.14
88814	18 07 48.35	+13 04 15.9	6.61	H	271.951 456 05	+13.071 090 90		5.01	6.18	8.54	0.62	0.54	0.82	0.73	0.60	−16	−17	−32	−29	+36	−15	+28	−17	+10	−	6	0	0.93
88815	18 07 48.37	−64 33 00.1	6.40	H	271.951 560 71	−64.550 037 48		6.09	−8.33	−57.38	0.48	0.47	0.75	0.62	0.54	+18	−19	+	2	−	9	−	5	+	7	−	7	+	6	+11	+32	0	−0.66
88816	18 07 48.40	−17 09 15.5	5.52	H	271.951 682 41	−17.154 300 69		13.08	−103.48	58.14	0.77	0.50	0.89	0.82	0.55	−	6	−39	−24	+	3	+10	−26	−10	−29	+18	−54	0	1.44
88817	18 07 49.51	+26 05 50.2	5.79	H	271.956 288 10	+26.097 267 16	B	19.65	−10.47	29.79	6.65	8.37	4.61	4.22	5.11	−	3	−19	−	7	+17	+	2	−10	+	3	−21	+	3	+	0	0	−2.60
88818	18 07 49.56	+26 06 04.4	5.83	H	271.956 510 31	+26.101 221 14	A	14.27	−1.92	24.37	2.08	2.58	2.66	2.45	2.83	+	2	−	7	−	6	+	6	+	7	−11	+	6	+	5	0	−2.60
88819	18 07 49.91	+03 41 39.8	8.82	H	271.957 938 24	+03.694 384 97		5.46	1.64	−10.11	1.25	1.05	1.33	1.45	1.24	+33	−36	−18	−26	−39	+10	−30	−50	+	7	+56	0	0.80
88820	18 07 50.95	+41 43 09.2	7.54	2 H	271.962 273 83	+41.719 218 48		1.07	3.13	−14.48	0.57	0.55	0.65	0.59	0.66	−	4	−	3	+24	+	3	+	5	−	5	+	7	+	9	+	5	+	0	0	−1.59
88821	18 07 51.99	+29 49 04.9	7.21	G	271.966 620 45	+29.818 029 46		1.85	0.08	−5.05	0.51	0.53	0.71	0.58	0.57	+	3	−18	−	7	+	7	+13	−	5	+12	+	8	+	0	+	1	0	1.00
88822	18 07 52.67	+06 48 31.1	7.89	2 H	271.969 469 57	+06.808 649 75		3.25	−3.02	12.99	0.89	0.78	1.12	1.01	0.88	−	4	−	6	−35	−24	−	8	+19	−	1	−21	−12	+	3	2	1.42
88823	18 07 52.84	+45 02 53.1	9.51	2 H	271.970 175 69	+45.048 092 35		0.90	−0.73	−1.75	0.85	0.86	0.94	0.95	1.03	+	6	+	1	−	2	+	5	+11	+10	+14	+27	+	1	+	1	3	−0.38
88824	18 07 54.38	−38 33 55.5	7.36	H	271.976 562 56	−38.565 409 06		3.47	−2.52	−5.57	0.82	0.56	0.92	1.18	0.65	−	8	−11	+13	+	5	−	5	−29	−	3	−40	−	8	−12	0	−0.74
88825	18 07 55.06	+32 07 32.2	9.55	G	271.979 431 35	+32.125 614 20		14.28	−83.15	187.92	0.90	1.00	1.21	1.22	1.10	+12	−	7	+	6	−	1	+15	−	3	+13	−13	+	5	+27	0	−0.91
88826	18 07 55.13	+22 23 53.3	8.33	H	271.979 715 13	+22.398 127 57		2.75	4.27	−6.92	0.54	0.75	1.10	0.67	0.85	+14	−18	+11	+33	+12	−	2	+14	+18	+	5	+35	1	1.48
88827	18 07 56.71	+01 52 34.8	11.09	G	271.986 283 57	+01.876 319 83		5.42	−188.91	−234.22	2.01	1.63	2.32	2.03	1.79	+	3	−35	−	6	−18	−	7	+13	−	2	−28	−	5	+15	0	−1.14
88828	18 07 56.96	−19 23 56.8	9.84	G	271.987 334 73	−19.399 123 75		2.86	−1.08	−2.81	1.49	1.03	1.91	1.94	1.17	+	4	−27	−46	+	3	+33	−35	+	3	−52	+42	−29	0	−0.93
88829	18 07 57.78	+15 18 01.1	9.70	1 H	271.990 767 24	+15.300 319 44		6.47	1.93	−6.76	1.10	1.05	1.66	1.49	1.09	+19	−15	−19	+20	+62	−37	+53	+17	+	8	−	9	1	0.60
88830	18 07 57.86	+59 01 14.9	8.25	H	271.991 102 30	+59.020 795 15		3.22	4.17	−9.24	0.59	0.48	0.61	0.62	0.62	+	4	+	8	−	5	+16	+10	+	8	+	8	−21	−10	−	5	0	0.48
88831	18 07 58.80	−46 19 46.3	9.83	H	271.995 017 22	−46.329 519 70		7.21	−16.63	−0.72	1.26	0.79	1.56	1.50	0.88	−	5	−27	+	1	+21	−44	+10	−40	−	5	+19	+12	3	−0.23
88832	18 07 59.00	+42 13 25.6	9.33	3 H	271.995 822 25	+42.223 785 42		3.38	−3.18	−1.03	0.79	0.78	0.89	0.88	0.93	+	9	−10	−	2	+25	+12	−21	+12	+15	+	8	+	7	0	−0.38
88833	18 07 59.04	−00 47 16.2	8.09	H	271.996 014 89	−00.787 843 27		7.36	−5.41	−7.78	0.86	0.66	1.01	0.84	0.72	−	1	−37	−14	−	8	+	2	+14	+	8	−	8	−13	−17	0	0.69
88834	18 07 59.29	+39 55 23.9	7.73	H	271.997 025 47	+39.923 293 11		9.55	−83.09	59.14	0.53	0.51	0.61	0.53	0.56	+	2	−	1	−	5	+	1	+17	−10	+18	+	5	+	7	+11	0	0.32
88835	18 08 01.99	−52 14 15.8	7.12	H	272.008 306 14	−52.237 734 27		7.56	−10.34	−4.49	0.82	0.53	0.87	0.93	0.53	−28	−13	−10	+37	−41	+	1	−37	+15	−	5	−31	0	1.61
88836	18 08 02.31	+36 24 06.2	5.49	H	272.009 613 62	+36.401 716 33		15.66	−95.00	−186.09	0.43	0.43	0.54	0.45	0.49	+	6	−26	−16	+14	+11	−14	+	9	+	8	−	2	+	5	0	0.71
88837	18 08 02.77	−31 00 04.7	7.69	H	272.011 535 21	−31.001 315 59		6.86	9.80	16.52	0.94	0.62	1.00	1.11	0.68	−10	−26	−	6	+	0	+12	−	9	+	4	−42	+	6	−27	0	1.96
88838	18 08 04.05	−22 13 26.6	8.82	3 H	272.016 859 24	−22.224 048 33	*	3.03	3.54	−4.59	1.87	1.16	1.95	2.32	1.41	+	2	−28	−13	−20	+	6	−	6	+	3	−64	+10	−	5	5	2.04
88839	18 08 04.96	−28 27 25.3	4.55	G	272.020 679 17	−28.457 016 27		9.38	24.77	−31.59	0.78	0.45	0.77	0.92	0.49	+22	−36	−14	+33	−	6	+	3	+	3	−25	−	4	+29	0	−0.57
88840	18 08 05.26	+40 54 52.7	7.39	H	272.021 911 41	+40.914 645 82		4.17	−8.91	10.51	0.57	0.54	0.65	0.63	0.61	−	8	−20	+	9	+	4	+	8	−17	+	8	+23	+	2	+	0	0	−1.38
88841	18 08 07.24	+02 13 07.2	6.61	H	272.030 159 69	+02.218 670 80		7.24	10.68	−7.38	0.69	0.56	0.80	0.75	0.62	+	1	−24	−15	−	9	+	4	+15	+	8	−22	+10	+31	0	−0.71
88842	18 08 08.13	+25 10 30.4	7.86	H	272.033 859 95	+25.175 116 13		4.05	14.34	−14.91	0.46	0.61	0.83	0.60	0.76	+	8	−	8	−25	−	1	+	8	+	4	+	7	−	5	+25	+12	0	0.07
88843	18 08 08.65	−07 07 11.6	7.52	H	272.036 051 26	−07.119 888 70		6.79	−16.75	−5.68	0.87	0.58	0.93	1.07	0.66	+19	−18	−21	−	2	−	6	+	1	−	4	−22	+	3	+27	2	0.72
88844	18 08 09.30	−54 15 46.1	8.22	H	272.038 765 97	−54.262 803 89		0.25	−10.13	−6.91	1.01	0.70	1.18	1.28	0.74	−22	−17	+	8	+22	−24	−	1	−20	+	0	+	3	−16	4	2.50
88845	18 08 09.78	−40 03 39.6	8.95	H	272.040 746 29	−40.060 997 31		6.72	−0.86	−16.02	1.20	0.81	1.39	1.60	0.92	−11	−26	−19	+15	+24	−23	+	1	−51	+29	−39	0	−2.24
88846	18 08 12.28	+88 49 22.0	8.21	H	272.051 174 99	+88.822 779 53		5.47	−16.98	6.07	0.63	0.64	0.71	0.74	0.80	+26	−16	−13	−	8	+	8	+	2	+	4	+	3	+16	+35	1	0.75
88847	18 08 12.37	+30 59 56.0	7.43	H	272.051 543 49	+30.998 888 14		4.52	−0.12	−0.43	0.48	0.56	0.70	0.54	0.62	+	3	+	2	−	4	+12	+	6	−14	+	6	+	4	−	6	+	6	0	−1.83
88848	18 08 15.96	+29 41 28.3	7.70	2 H	272.066 484 94	+29.691 206 11		30.69	138.07	−18.58	1.43	1.61	2.08	1.81	1.80	+	1	−	8	+	4	+	3	+15	−	2	+15	−	6	−	2	+12	2		
88849	18 08 16.18	−55 41 28.4	7.25	H	272.067 416 05	−55.691 221 97		2.34	−5.83	−4.66	0.95	0.59	1.12	0.93	0.71	+	5	−54	−18	−	4	−35	+20	−43	−17	+35	+11	0	2.19
88850	18 08 17.44	−10 33 02.2	7.84	H	272.072 677 05	−10.550 624 03		6.31	21.30	−22.04	1.09	0.69	1.10	1.33	0.75	−42	+15	−41	−54	+45	−43	+36	−59	+33	−61	0	−1.85
88851	18 08 19.17	−62 22 21.5	8.03	G	272.079 888 38	−62.372 640 76		10.80	−13.45	−216.65	0.67	0.57	0.85	0.74	0.55	+	1	−11	−14	−11	+	0	+	6	+	0	−	2	−	1	+	9	1	2.25
88852	H 18 08 21.80	+44 06 45.1	6.84	H	272.090 818 62	+44.112 519 46	*	10.33	21.38	24.90	0.49	0.47	0.54	0.52	0.52	+12	−14	−	1	−25	−	4	−11	−	3	+	3	−	5	+10	0	0.17
88853	18 08 22.70	−56 46 01.9	8.92	2 T	272.094 566 45	−56.767 195 33		10.01	−20.24	12.20	1.08	0.90	1.34	1.46	1.13	−22	−25	−17	+	7	−25	−	9	−28	+10	+29	−47	0	−0.11
88854	18 08 23.12	−72 20 38.7	9.25	1 H	272.096 323 82	−72.344 079 33	A	2.30	−37.05	−35.84	1.08	1.65	2.01	1.05	1.62	−	6	−11	−	1	+18	−13	−11	−13	+23	+23	−18	1	1.66
88855	18 08 26.51	−18 33 07.9	7.42	3 H	272.110 465 72	−18.552 203 44		2.11	−0.89	−0.66	1.00	0.62	1.15	1.06	0.67	−	8	−38	−	7	−	8	+13	−32	+	2	−43	+	7	−39	0	−0.05
88856	18 08 28.47	−21 15 11.2	7.66	G	272.118 619 81	−21.253 102 95		0.60	−0.29	−2.31	0.86	0.57	0.92	1.01	0.65	−21	−19	−	4	−	5	+14	−23	+10	−39	+	3	−32	0	0.65
88857	18 08 28.75	−16 25 00.0	7.65	G	272.119 803 33	−16.416 654 49		2.49	0.04	−4.43	0.90	0.59	1.08	1.07	0.66	+	5	−30	−35	+	5	+21	−34	−	5	−37	+30	−39	2	1.50
88858	18 08 29.41	+18 58 04.3	8.84	H	272.122 537 79	+18.967 865 92		3.90	−9.63	0.72	0.88	0.84	1.21	0.99	0.98	+11	−13	+11	+32	+44	+	4	+42	+17	+	0	−	7	0	−1.43
88859	H 18 08 30.11	−45 46 01.1	6.13	H	272.125 459 79	−45.766 972 81	A	4.00	−2.56	−17.39	0.84	0.55	1.01	0.97	0.59	−31	−	7	+16	+17	−48	−	6	−39	−	5	+12	+	2	5	0.78
88860	18 08 31.50	+07 56 25.0	10.10	H	272.131 258 95	+07.940 284 54		1.72	6.91	3.27	1.39	1.31	1.71	1.63	1.53	+24	−22	−34	−25	+	0	+	6	−	1	−27	+15	+52	0	−1.16
88861	H 18 08 33.14	+12 45 10.9	9.13	H	272.138 081 77	+12.753 025 89	A	1.43	−5.33	−11.02	1.80	1.52	1.82	1.81	1.50	−14	−	2	−23	−16	+38	−30	+30	−	9	+	6	−	3	0	−0.65
88862	18 08 33.74	+14 17 05.0	6.34	H	272.140 580 47	+14.284 717 37		6.13	−5.81	−0.48	0.55	0.49	0.76	0.75	0.60	+	8	−	7	−26	+	3	+32	−19	+25	−13	+17	+	0	0	−1.34
88863	18 08 33.75	+09 00 49.2	9.25	H	272.140 610 56	+09.013 662 30		3.02	3.82	−7.36	1.17	1.03	1.48	1.25	1.12	+12	−35	−42	−36	−	9	+30	+	1	−32	+12	+30	0	−0.08
*88864	H 18 08 34.79	−27 51 51.0	7.23	H	272.144 943 18	−27.864 178 79	A	5.17	3.92	−11.38	1.48	0.96	1.44	1.44	0.86	+45	−23	−11	−11	−17	−13	−19	−48	+	7	+27	1	0.59
*88865	18 08 34.69	−75 06 19.0	7.27	H	272.144 554 15	−75.105 282 52		2.82	7.82	−33.15	0.46	0.57	0.73	0.53	0.67	+	0	−	1	+	1	−	8	−	5	−18	−	7	−22	−17	−11	0	−0.10
88866	18 08 34.79	−63 40 05.0	4.33	H	272.144 961 86	−63.668 048 44		23.55	17.45	−207.64	0.52	0.45	0.71	0.57	0.45	+	9	−29	−18	−18	−	7	+10	−	7	−19	+	7	+	3	0	−0.28
88867	18 08 35.50	+33 12 02.8	9.54	H	272.147 911 00	+33.200 779 55		1.67	6.12	−2.12	0.83	0.99	1.16	0.92	1.24	+11	−11	−15	+	6	−	9	−10	−10	+15	−12	+	6	0	1.40
88868	H 18 08 35.81	+17 00 09.5	9.16	H	272.149 202 78	+17.002 645 39	A	3.23	−1.88	3.76	1.84	1.57	1.76	1.57	1.42	−11	+	0	+17	+24	+39	+	5	+27	+15	+	3	+27	2	0.32
88869	18 08 36.02	+05 16 23.8	8.80	H	272.150 065 36	+05.273 269 98		2.58	3.86	−1.09	1.16	0.98	1.45	1.17	1.06	+27	−50	−44	−	3	+	9	+	8	+	2	−34	+22	+12	0	−0.11
88870	18 08 36.80	+00 42 58.8	8.39	H	272.153 318 10	+00.716 330 83		4.78	0.91	−13.08	0.89	0.73	1.02	0.85	0.76	+31	−30	−10	−19	−20	+	9	−15	−18	−14	+20	0	3.55
88871	18 08 37.03	−04 26 25.9	8.06	1 H	272.154 275 74	−04.440 514 34		7.49	−8.40	−16.16	1.05	0.66	1.18	1.12	0.77	+13	−47	−19	−11	−	4	+13	−	1	−26	+	4	+18	0	−0.74
88872	H 18 08 37.18	−09 48 05.3	9.32	G	272.154 920 31	−09.801 478 96	A	5.33	9.07	−10.35	2.92	1.96	2.40	3.05	1.86	−	2	+14	−13	−42	+16	−49	+13	−52	+	9	−	4	2	0.09
88873	18 08 37.66	−06 39 44.2	8.34	H	272.156 937 48	−06.662 268 30		5.45	6.86	−10.91	1.06	0.62	1.16	0.92	0.66	+18	−51	−18	−	2	−19	+10	−14	−26	−10	−	3	0	−0.52
88874	18 08 38.17	+42 38 06.9	8.34	H	272.159 061 64	+42.635 252 37		1.79	3.48	−14.69	0.59	0.62	0.70	0.65	0.70	+	7	−	4	−	4	−	1	+14	−22	+14	+	8	+	7	+	1	0	−0.28
88875	H 18 08 38.26	+18 38 08.8	8.25	H	272.159 413 96	+18.635 767 69	*	0.36	−1.85	−7.37	1.16	1.16	1.26	1.11	0.96	+	6	−12	−	3	+22	+30	−	7	+30	+16	−	5	−15	1	−0.24
88876	18 08 38.59	−21 26 58.4	6.42	1 H	272.160 777 80	−21.449 556 54		1.08	−0.95	−2.33	0.88	0.53	0.99	0.96	0.60	+	6	−47	−27	−	7	+	5	−12	−12	−45	+22	−22	0	0.69
88877	18 08 38.88	+57 58 46.9	7.34	H	272.162 005 85	+57.979 704 45		3.92	−32.73	−8.82	0.51	0.44	0.52	0.54	0.56	+17	−	8	+	2	+15	+12	+	5	+15	−	3	−	6	+21	0	1.35
88878	18 08 39.24	−02 54 26.8	6.75	H	272.163 489 46	−02.907 433 07		3.75	15.51	3.71	0.74	0.53	0.84	0.78	0.57	−16	−25	−11	−13	+17	+23	+22	−23	−	4	−13	0	−0.17
88879	18 08 41.57	−20 05 13.7	7.84	H	272.173 216 28	−20.087 147 22		0.36	−1.12	−2.43	0.96	0.61	1.07	1.21	0.70	−10	−25	−24	+	7	+24	−20	+	8	−40	+25	−31	0	−0.27
88880	18 08 42.96	+39 03 51.9	8.39	G	272.179 020 77	+39.064 411 46		7.11	−3.73	−1.68	0.57	0.60	0.69	0.64	0.69	+	0	−14	+	3	+11	+	7	−13	+	8	+19	−	6	+	5	0	0.09
88881	18 08 43.07	+17 37 23.5	9.08	H	272.179 447 58	+17.623 197 35		3.56	7.65	−3.63	0.82	0.87	1.23	1.02	1.12	−20	−24	+	9	+12	+12	−	3	+21	+30	−	7	−51	2	0.57
88882	18 08 43.49	+43 17 41.5	10.16	H	272.181 224 07	+43.294 853 84		4.47	−23.45	−30.11	1.03	0.95	1.11	1.13	1.09	+	9	+15	+	0	+	0	+10	−	8	+12	−	6	+	7	+18	0	−0.49
88883	18 08 43.98	−49 20 43.2	7.36	H	272.183 248 02	−49.345 340 58		7.01	−13.38	−25.47	0.82	0.51	1.00	0.86	0.55	−	7	−41	−20	+34	−27	−	3	−35	−	5	+25	−20	0	0.04
88884	18 08 44.92	−22 09 38.4	7.94	1 G	272.187 149 66	−22.160 675 52		0.41	−0.97	−2.31	0.96	0.61	1.02	1.12	0.73	−	5	−33	−11	+11	+	8	−	3	+	5	−34	+	9	−	6	0	0.68
88885	18 08 45.15	−45 30 12.2	8.20	H	272.188 113 06	−45.503 395 50		2.65	−8.33	−14.48	0.83	0.54	1.08	1.08	0.63	−19	−15	+11	+12	−33	−	4	−27	−15	+16	+	2	0	0.69
*88886	18 08 45.49	+20 48 52.5	4.37	H	272.189 552 60	+20.814 572 03		2.14	−2.71	−6.20	0.47	0.47	0.63	0.47	0.50	+	2	−17	+15	+28	+39	+	6	+40	+11	+	1	+12	0	1.87
*88887	18 08 45.40	+09 27 07.8	9.71	H	272.189 164 83	+09.452 175 51		1.15	−3.84	−6.49	1.38	1.24	1.77	1.42	1.33	+	3	−40	−36	−40	−	1	+31	+12	−32	−	1	+	4	0	1.15
88888	18 08 45.96	−70 04 46.7	8.00	H	272.191 508 21	−70.079 630 78		3.77	−0.88	−16.14	0.40	0.64	0.93	0.42	0.68	+	5	−11	−	5	−	1	−13	+	0	−14	−13	+	2	+	1	0	−0.89
88889	18 08 46.03	+26 58 24.5	8.20	H	272.191 776 53	+26.973 479 06		5.19	17.50	12.61	0.54	0.67	0.87	0.72	0.84	+	4	−	8	−	2	−24	+	1	−	1	+	2	+	4	+	6	+	1	1	0.34
88890	18 08 46.07	−03 59 27.1	7.64	H	272.191 962 45	−03.990 873 04		4.15	9.69	−6.96	0.89	0.58	1.04	0.87	0.63	+	6	−49	−27	−10	+11	+	5	+	9	−28	+10	+	1	0	1.09			
88891	18 08 46.07	+14 24 22.5	8.64	H	272.191 968 01	+14.406 239 80		4.19	−9.59	−13.12	0.73	0.69	1.09	1.01	0.87	+	5	−	2	−28	−	4	+33	−23	+26	−19	+17	−14	1	0.10			
88892	18 08 47.64	−05 37 44.1	9.09	H	272.198 495 28	−05.628 925 53		10.44	−7.52	−32.96	1.11	0.80	1.25	1.13	0.86	+	8	−27	−21	+	5	−25	+17	−27	−17	−	1	−18	0	−1.75			
88893	18 08 48.65	+12 27 56.6	8.22	H	272.202 723 03	+12.465 715 40		5.61	−5.02	1.52	0.77	0.64	1.08	1.02	0.78	−11	−25	−17	−10	+33	−12	+26	−	2	−	2	+	1	0	−0.77			
88894	18 08 50.56	+47 07 11.2	7.97	H	272.210 659 20	+47.119 780 41		2.99	−9.75	−29.62	0.64	0.58	0.66	0.70	0.62	+	0	−20	+	7	+15	+15	−	9	+14	+22	+	2	+10	0	0.91			
88895	H 18 08 51.53	−64 37 02.8	9.08	H	272.214 706 58	−64.617 441 20	A	2.22	0.84	−14.35	1.06	1.24	1.73	1.40	1.33	+	3	−	5	−13	+13	+	7	+	3	+	6	+25	+	9	+27	3	−0.04		
*88896	18 08 52.92	−85 05 03.8	8.82	H	272.220 503 67	−85.084 386 18		1.94	−3.05	−17.32	0.67	0.76	0.87

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
88801	10.244	0.032	9.034	0.020		1.035	0.029	T	1.01	0.02	L	9.0992	0.0021	0.018	83		9.07	9.14		C		1							
88802											T	13.0203	0.1150	0.522	31		12.55	13.89		P 1 A		1							D P
88803	8.894	0.012	7.575	0.007		1.120	0.011	T	1.08	0.01	L	7.6192	0.0010	0.009	122		7.60	7.63		C		1							S
88804	11.283	0.080	8.831	0.018		2.019	0.066	T	2.06	0.07	L	8.6756	0.0037	0.021	76		8.64	8.71		U		1 S							
88805	9.731	0.030	8.913	0.025		0.738	0.030	T	0.79	0.02	L	8.9301	0.0023	0.022	73		8.90	8.96				1							
88806	10.306	0.034	9.024	0.020		1.091	0.031	T	1.05	0.03	L	9.0197	0.0014	0.015	63		8.99	9.05				1							
88807	9.713	0.019	9.453	0.022		0.248	0.027	T	0.28	0.03	L	9.5035	0.0022	0.023	127		9.47	9.55		C		1							
88808	9.360	0.015	8.174	0.010		1.016	0.014	T	0.99	0.01	L	8.2237	0.0015	0.015	122		8.20	8.25				1							
88809	9.346	0.017	8.117	0.011		1.050	0.016	T	1.02	0.01	L	8.1737	0.0015	0.013	92		8.15	8.19				1							S
88810	8.512	0.011	8.306	0.013		0.201	0.015	G	0.22	0.02	H	8.3428	0.0016	0.014	93		8.31	8.37				1							S
88811	10.555	0.035	9.393	0.021		0.997	0.032	T	0.98	0.03	L	9.4153	0.0028	0.025	123		9.37	9.46				1							
88812	6.655	0.004	6.669	0.006		−0.008	0.007	T	0.01	0.01	L	6.6714	0.0010	0.008	80		6.65	6.69				1							S
88813	8.837	0.011	7.840	0.008		0.872	0.010	T	0.88	0.01	L	7.8990	0.0012	0.012	103		7.88	7.92		C		1							S
88814	6.676	0.004	6.617	0.005		0.053	0.006	T	0.07	0.01	L	6.6335	0.0009	0.008	106		6.62	6.65		C	18078+1304	I 1							S
88815	8.060	0.007	6.541	0.004		1.266	0.003	G	1.22	0.00	H	6.5588	0.0008	0.010	155		6.54	6.58				1							S
88816	6.973	0.005	5.639	0.003		1.132	0.005	T	1.10	0.01	L	5.6854	0.0005	0.005	76		5.67	5.70				1							S
88817	5.985	0.003	5.845	0.003	B	0.127	0.004	T	0.14	0.00	L	5.8356	0.0223	0.146	173	B	5.73	6.17		D	18079+2606	I 2	1 C P B						S
88818	6.049	0.003	5.876	0.003	A	0.158	0.004	T	0.17	0.00	L	5.9509	0.0236			A				D	18079+2606	I 2	1 C I B						S
88819	9.957	0.036	8.938	0.026		0.888	0.033	T	0.89	0.02	L	8.9734	0.0040	0.016	44		8.94	9.00		C		1							
88820	9.617	0.018	7.757	0.008		1.579	0.016	T	2.27	0.07	O	7.5923	0.0119	0.091	111		7.47	7.84		U 2 C		1							S
88821	8.956	0.011	7.354	0.006		1.350	0.015	G	1.21	0.03	C	7.3705	0.0010	0.011	143		7.35	7.39		C		1							S
88822	9.801	0.026	8.099	0.013		1.421	0.023	T	1.41	0.04	L	8.0270	0.0038	0.025	69		7.99	8.06		U 2		1							
88823	11.597	0.079	9.664	0.023		1.639	0.068	T	1.71	0.17	K	9.6166	0.0042	0.035	132		9.57	9.67		U 2		1							
88824	7.154	0.006	7.322	0.007		−0.141	0.001	G	−0.14	0.00	H	7.3101	0.0012	0.010	78		7.29	7.33		C		1							S
88825	10.516	0.036	9.612	0.025		0.700	0.020	G	0.75	0.02	H	9.7257	0.0033	0.024	117		9.68	9.77		C		1							
88826	8.544	0.008	8.348	0.009		0.187	0.011	T	0.21	0.01	L	8.3920	0.0014	0.015	151		8.37	8.42				1							
88827						0.454	0.001	G	0.52	0.00	H	11.2558	0.0041	0.037	68		11.19	11.31		C		1							G
88828	10.713	0.056	9.891	0.043		0.495	0.065	T	0.57	0.07	H	9.7492	0.0038	0.026	70		9.71	9.80				1							G
88829	9.746	0.015	9.685	0.020		0.061	0.023	T	0.07	0.02	L	9.7246	0.0031	0.035	165		9.66	9.77		U		1 S							G
88830	8.259	0.008	8.248	0.010		0.015	0.012	T	0.03	0.01	L	8.2639	0.0014	0.013	119		8.24	8.29				1							S
88831	10.644	0.035	9.821	0.028		0.726	0.034	T	0.78	0.02	L	9.9707	0.0024	0.023	127		9.93	10.01		C		1							G
88832	10.903	0.051	9.451	0.023		1.242	0.046	T	4.47	0.08	O	8.5133	0.0267	0.190	114		8.25	8.89		U 2		1 S							G
88833	9.440	0.021	8.213	0.013		1.048	0.019	T	1.02	0.02	L	8.2520	0.0015	0.015	71		8.21	8.28			18080−0047	I 1							
88834	8.032	0.007	7.761	0.008		0.258	0.010	T	0.29	0.01	L	7.8033	0.0018	0.013	125		7.78	7.83				1							S
88835	8.468	0.013	7.233	0.007		1.054	0.012	T	1.02	0.01	L	7.2861	0.0012	0.009	96		7.27	7.31				1							S
88836	6.987	0.004	5.616	0.003		1.161	0.004	T	1.12	0.00	L	5.6564	0.0006	0.006	117		5.65	5.67				1							S
88837	8.266	0.015	7.766	0.014		0.493	0.004	G	0.57	0.00	H	7.7983	0.0011	0.009	73		7.78	7.81		C		1							S
88838	13.076	0.467	9.767	0.045		2.773	0.387	T	3.56	0.97	K	8.5093	0.0643	0.570	78		8.03	9.34	737.00	P 1 B		1 V							G P
88839	5.736	0.004	4.666	0.004		0.938	0.015	G	1.00	0.02	A	4.7077	0.0008	0.004	67		4.70	4.72				1							S
88840	9.065	0.013	7.525	0.007		1.293	0.012	T	1.25	0.01	L	7.5507	0.0014	0.010	117		7.53	7.57				1							S
88841	6.830	0.005	6.644	0.005		0.178	0.007	T	0.20	0.01	L	6.6742	0.0012	0.008	73		6.66	6.69			18081+0213	I 1							S
88842	8.006	0.007	7.879	0.007		0.123	0.009	T	0.14	0.01	L	7.9024	0.0013	0.015	174		7.89	7.93				1							S
88843	9.046	0.016	7.657	0.009		1.175	0.014	T	1.14	0.01	L	7.6838	0.0016	0.010	67		7.66	7.71		C	18081−0707	I 1							S
88844	9.675	0.021	8.351	0.013		1.124	0.019	T	1.09	0.02	L	8.3828	0.0020	0.014	80		8.36	8.41				1 S							
88845	9.469	0.021	9.010	0.022		0.433	0.028	T	0.50	0.03	L	9.0494	0.0020	0.020	78		9.02	9.08		C		1							
88846	9.561	0.018	8.340	0.011		1.043	0.016	T	1.01	0.01	L	8.3813	0.0014	0.013	111		8.36	8.41		C		1							
88847	7.526	0.006	7.455	0.007		0.070	0.009	T	0.08	0.01	L	7.4639	0.0015	0.014	141		7.44	7.49				1							S
88848	8.603	0.009	7.777	0.007		0.728	0.009	T	0.78	0.01	L	7.8333	0.0039	0.036	136		7.79	7.91		U 2 C		1 X S							S P
88849	9.200	0.018	7.422	0.009		1.481	0.016	T	1.50	0.02	L	7.3775	0.0011	0.009	76		7.36	7.40		C		1							S
88850	8.198	0.014	7.879	0.010		0.309	0.014	G	0.35	0.02	H	7.9117	0.0016	0.014	70		7.89	7.94				1							S
88851	8.535	0.012	8.043	0.011		0.451	0.015	G	0.52	0.02	H	8.1182	0.0017	0.014	123		8.09	8.14				1							S
88852	7.359	0.006	6.892	0.006	*	0.440	0.007	T	0.51	0.01	L *	6.9363	0.0011	0.008	130	*	6.93	6.95		D	18084+4407	H 1	2 C S A	AB	25	0.132	0.004	0.23	0.23	S
88853	9.786	0.026	8.997	0.021		0.716	0.026	T	0.77	0.02	L	9.1050	0.0291	0.170	78		8.94	9.38	0.40	P 1 A		1							P
88854	10.531	0.026	9.367	0.016	A	0.999	0.024	T	0.98	0.02	L	9.4149	0.0093	0.030	198	A	9.36	9.48		U	18084−7221	I 1	2 C C	AB	326	10.188	0.049	3.28	0.19	
88855	10.111	0.031	7.718	0.009		1.972	0.026	T	2.01	0.03	L	7.4976	0.0415	0.236	72		7.25	7.93		U 2		1							S
88856	7.844	0.009	7.698	0.011		−0.072	0.040	T	−0.05	0.04	H	7.5195	0.0014	0.011	86		7.50	7.54		C		1							
88857	7.876	0.010	7.690	0.011		0.192	0.002	G	0.21	0.00	H	7.7044	0.0017	0.011	73		7.69	7.73				1							S
88858	9.212	0.013	8.880	0.014		0.315	0.018	T	0.36	0.02	L	8.9171	0.0020	0.017	120		8.89	8.95				1							
88859	6.003	0.004	6.098	0.005	*	−0.082	0.005	T	−0.06	0.01	L *	6.1096	0.0008	0.006	131	*	6.10	6.12		D	18085−4546	I 1	2 C A	AB	258	4.056	0.022	3.74	0.09	S
88860	10.577	0.047	10.096	0.050		0.453	0.063	T	0.52	0.07	L	10.2007	0.0042	0.029	72		10.15	10.25		C		1							G
88861	10.732	0.038	9.279	0.019	*	1.225	0.033	T	1.18	0.03	L *	9.2920	0.0020	0.019	108	*	9.25	9.32		D	18086+1245	H 1	2 C A	AB	126	0.517	0.016	2.55	0.09	
88862	6.570	0.004	6.348	0.004		0.181	0.004	G	0.19	0.03	C	6.3939	0.0007	0.007	111		6.38	6.41				1							S
88863	9.623	0.030	9.276	0.033		0.329	0.042	T	0.38	0.06	L	9.3330	0.0026	0.023	64		9.29	9.36		C		1							
88864	8.768	0.027	7.522	0.017	A						T *	7.3909	0.0012	0.010	75	*	7.37	7.41		D	18086−2752	I 1	2 C A	AB	266	2.230	0.008	1.45	0.02	S
88865	9.345	0.012	7.463	0.005		1.564	0.010	T	1.58	0.01	L	7.3902	0.0010	0.012	183		7.37	7.41				1							
88866	4.629	0.003	4.357	0.003		0.228	0.003	G	0.23	0.01	A	4.3993	0.0005	0.005	107		4.39	4.41				1							S
88867	11.220	0.057	9.693	0.025		1.304	0.051	T	2.09	0.18	O	9.6188	0.0033	0.032	125		9.56	9.68				1							
88868	9.297	0.013	9.170	0.016	*	0.123	0.020	T	0.14	0.02	L *	9.2050	0.0018	0.019	135	*	9.17	9.24		D	18086+1700	H 1	2 C A	AB	117	0.449	0.015	2.40	0.07	
88869	9.955	0.027	8.906	0.019		0.901	0.026	T	0.90	0.02	L	8.9472	0.0036	0.019	57		8.91	8.99				1							
88870	9.864	0.033	8.562	0.019		1.107	0.030	T	1.07	0.03	L	8.5617	0.0021	0.013	64		8.53	8.58		C		1							
88871	9.788	0.027	8.210	0.014		1.323	0.024	T	1.28	0.03	L	8.2204	0.0028	0.024	66		8.19	8.26		U		1							
88872	10.125	0.031	9.413	0.027	*	0.684	0.020	G	0.74	0.02	H *	9.4754	0.0025	0.020	64	*	9.42	9.50		D	18086−0948	H 1	2 C A	AB	248	0.535	0.041	2.74	0.14	
88873	8.646	0.016	8.359	0.017		0.270	0.015	G	0.30	0.02	H	8.4070	0.0022	0.011	54		8.37	8.43		C		1							
88874	8.274	0.008	8.320	0.010		−0.037	0.012	T	−0.01	0.01	L	8.3392	0.0012	0.014	125		8.31	8.37				1							
88875	8.255	0.009	8.251	0.011	*	0.008	0.013	T	0.03	0.01	L *	8.2583	0.0018	0.014	128	*	8.23	8.30		D	18086+1838	I 1	2 C A	AB	91	0.279	0.003	0.38	0.06	S
88876	7.421	0.008	6.581	0.007		0.755	0.008	T	1.11	0.03	C	6.5839	0.0029	0.014	77		6.56	6.62		U 2		1							S P
88877	9.198	0.013	7.496	0.007		1.421	0.012	T	1.41	0.02	L	7.4841	0.0010	0.011	123		7.47	7.51		C		1							S
88878	8.037	0.009	6.870	0.005		1.001	0.008	T	0.98	0.01	L	6.9179	0.0012	0.008	81		6.90	6.93				1							S
88879	9.487	0.019	8.000	0.010		1.252	0.017	T	1.21	0.02	L	8.0030	0.0012	0.012	88		7.99	8.03		C		1							
88880	8.614	0.011	8.427	0.012		0.190	0.015	G	0.21	0.02	H	8.4506	0.0011	0.011	129		8.43	8.48				1							
88881	9.370	0.017	9.125	0.019		0.233	0.024	T	0.26	0.03	L	9.1530	0.0025	0.026	116		9.11	9.20				1							
88882	10.836	0.052	10.261	0.049		0.537	0.063	T	0.61	0.07	L	10.2813	0.0032	0.027	110		10.23	10.35				1							G
88883	7.921	0.009	7.403	0.008		0.468	0.015	G	0.54	0.02	H	7.4679	0.0012	0.009	102		7.45	7.48		C		1							S
88884	7.932	0.010	7.941	0.013		0.015	0.004	G	0.03	0.00	H	7.9566	0.0025	0.026	80		7.92	7.99	0.17	P 1 A		1							P
88885	10.086	0.025	8.348	0.011		1.450	0.022	T	1.45	0.04	L	8.3387	0.0014	0.014	129		8.32	8.36		C		1							
88886	4.145	0.002	4.338	0.002		−0.164	0.013	G	−0.19	0.03	C	4.3015	0.0004	0.004	113		4.30	4.31		C	18088+2049	I 1	1						S
88887	11.593	0.117	9.926	0.045		1.393	0.099	T	1.37	0.12	L	9.8565	0.0048	0.030	69		9.81	9.91				1							G
88888	9.388	0.009	8.113	0.006		1.086	0.008	T	1.05	0.01	L	8.1680	0.0010	0.016	288		8.14	8.19				1							
88889	8.411	0.008	8.220	0.010		0.183	0.012	T	0.20	0.01	L	8.2629	0.0014	0.017	164		8.24	8.30				1 G							S
88890	7.819	0.010	7.654	0.010		0.158	0.013	T	0.17	0.01	L	7.6932	0.0009	0.009	68		7.68	7.72				1							S
88891	8.916	0.012	8.661	0.013		0.243	0.017	T	0.27	0.02	L	8.7126	0.0014	0.017	118		8.67	8.73				1							
88892	9.682	0.022	9.150	0.022		0.499	0.028	T	0.57	0.03	L	9.1966	0.0034	0.021	67		9.14	9.23				1							
88893	8.540	0.010	8.245	0.010		0.280	0.013	T	0.32	0.02	L	8.2935	0.0015	0.015	114		8.26	8.32		C		1							S
88894	9.561	0.016	8.096	0.009		1.234	0.014	T	1.19	0.01	L	8.1368	0.0014	0.014	129		8.12	8.16		C		1							
88895	10.394	0.026	9.214	0.016	*	1.011	0.024	T	0.99	0.02	L *	9.2488	0.0019	0.020	163	*	9.22	9.29			18089−6437	H 1	2 C D	AB	304	0.878	0.058	3.85	0.24	D
88896	10.118	0.023	8.928	0.014		1.019	0.021	T	0.99	0.02	L	8.9898	0.0022	0.016	122		8.96	9.02		C		1							
88897	7.655	0.008	7.416	0.010		0.228	0.012	T	0.25	0.01	L	7.4653	0.0015	0.011	74		7.45	7.48		C		1							S
88898	7.513	0.007	7.039	0.006		0.446	0.008	T	0.52	0.01	L	7.0842	0.0014	0.009	75		7.07	7.10				1							S
88899	5.310	0.002	5.126	0.002		0.176	0.003	T	0.19	0.00	L	5.1564	0.0006	0.005	113		5.15	5.16		C		1							S
88900	6.801	0.003	6.727	0.004		0.073	0.005	T	0.08	0.01	L	6.7524	0.0009	0.009	181		6.74	6.77				1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ $\alpha*$	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1 %	F2
1 2	h m s	±° ′ ″	mag	6 7	deg	deg	mas	mas/yr		mas		mas	mas/yr		19	20	21	22	23	24	25	26	27	28	29	30
88901	18 08 53.08	+72 09 09.8	7.53	G	272.221 174 73	+72.152 716 00	6.03	19.23	0.84	0.54	0.53	0.56	0.53	0.59	− 6	−27	− 6	+ 4	+16	−13	+19	+22	−19	+ 7	0	2.12
88902	18 08 53.25	−39 29 39.9	7.58	2 H	272.221 876 30	−39.494 408 29	1.58	2.47	−15.09	0.91	0.65	1.07	1.27	0.75	− 7	−19	−24	+ 4	+25	−26	+ 6	−47	+29	−32	0	−1.67
88903	18 08 53.54	−42 39 25.3	7.11	H	272.223 100 60	−42.657 024 59	1.28	4.63	−5.77	1.00	0.50	1.07	1.09	0.56	+22	−43	− 1	+37	+ 4	−12	−21	+ 0	+30	+20	0	1.09
88904	18 08 53.77	+49 50 02.2	9.02	H	272.224 050 70	+49.833 951 03	4.00	−11.82	34.95	0.73	0.72	0.80	0.89	0.96	− 1	− 3	−29	+ 5	− 5	− 9	− 8	+25	− 6	− 5	0	1.61
88905	18 08 54.04	−25 28 22.9	6.76	2 H	272.225 184 98	−25.473 036 02	A 1.03	0.84	−8.94	2.91	1.97	2.13	3.38	2.01	−26	−52	+ 6	−17	+36	+ 1	+34	−50	− 5	− 9	3	2.60
88906	18 08 54.17	−27 47 01.2	7.48	H	272.225 697 62	−27.783 657 00	5.25	11.95	8.40	0.96	0.57	1.01	1.00	0.58	+31	−43	−25	+19	+ 4	−12	− 9	−34	+ 7	+ 6	0	0.67
88907	18 08 54.51	−29 59 34.6	6.97	H	272.227 139 17	−29.992 938 29	2.44	2.92	0.02	0.90	0.55	0.95	0.95	0.57	+11	−41	−17	+ 3	+ 1	+ 9	− 5	−38	+ 5	− 7	0	0.20
88908	18 08 54.94	−25 28 17.2	8.70	H	272.228 923 22	−25.471 434 24	B 36.65	−28.05	−10.88	21.96	12.68	9.63	13.57	7.31	−16	−51	+ 4	− 2	+36	+ 6	+30	−33	− 2	− 9	3	2.60
88909	18 08 55.68	+67 59 17.6	8.02	H	272.231 987 12	+67.988 220 87	3.29	−1.63	15.74	0.56	0.53	0.59	0.57	0.58	−15	−11	+10	−26	− 2	−15	+ 0	−11	− 1	−19	1	0.36
88910 H	18 08 56.87	+24 34 35.1	8.16	G	272.236 941 35	+24.576 404 48	* 5.05	4.71	−8.84	0.47	0.72	0.98	0.57	0.85	+ 5	− 4	− 8	+14	+12	+ 1	+11	+ 3	+21	+13	0	1.04
*88911	18 08 58.57	−35 47 09.1	9.39	H	272.244 026 18	−35.785 850 08	9.29	−23.88	15.12	1.44	0.84	1.51	1.92	0.98	+ 5	−23	−16	+21	− 3	− 5	−14	−36	+16	−15	0	−0.88
*88912	18 08 58.48	−45 07 07.9	8.64	H	272.243 678 30	−45.118 853 19	7.85	−12.31	−56.84	0.89	0.56	1.19	1.14	0.69	−11	−17	+ 5	+11	−36	+ 2	−30	−15	+23	+12	0	−0.21
88913	18 08 58.61	+24 09 29.1	7.41	H	272.244 216 14	+24.158 074 95	28.36	88.06	82.62	0.39	0.60	0.83	0.48	0.76	+ 8	−18	− 3	+33	+12	+ 8	+10	+21	+13	+ 9	0	−1.06
88914	18 08 59.10	−31 09 36.0	7.99	H	272.246 248 03	−31.159 989 46	3.78	0.78	−20.66	0.97	0.62	1.06	1.15	0.70	− 7	−34	−13	+ 4	+21	−14	+ 6	−43	+14	−31	0	0.50
88915	18 08 59.85	+55 21 58.4	8.90	H	272.249 360 72	+55.366 224 38	6.59	12.59	−19.83	0.76	0.64	0.73	0.77	0.70	− 6	−10	−22	+ 8	+22	−18	+24	−16	+ 8	+ 9	0	−0.44
88916	18 08 59.91	−11 44 37.2	7.77	H	272.249 623 49	−11.743 678 59	4.39	2.21	−20.71	1.10	0.69	1.43	1.69	0.85	−21	−15	−43	−17	+42	−55	+14	−49	+43	−62	0	−2.33
88917	18 09 00.05	−47 14 31.0	8.82	H	272.250 223 99	−47.241 955 26	11.88	−21.76	−75.91	1.32	0.68	1.48	2.63	1.36	+ 1	−56	−14	+35	−42	−11	−59	+10	+25	−59	0	−0.24
*88918	18 09 01.82	−34 45 42.4	8.86	H	272.257 574 74	−34.761 765 13	−0.21	6.97	−0.07	1.45	0.93	1.56	2.04	1.08	− 3	−27	−32	+53	+22	− 6	+ 2	−50	+34	−21	3	0.96
*88919	18 09 01.78	−37 39 57.2	9.64	G	272.257 431 91	−37.665 877 24	3.86	3.74	−0.42	1.57	1.01	1.62	1.97	1.11	+35	−26	− 5	−10	−20	−11	−29	−54	+13	+19	2	−0.62
88920 H	18 09 01.96	−36 17 05.2	8.47	H	272.258 176 89	−36.284 779 41	* 11.25	−20.71	−2.55	2.07	1.38	1.55	2.30	1.11	+ 4	− 1	+ 2	− 5	− 3	−21	− 3	−48	− 8	− 8	0	0.75
88921	18 09 02.83	+35 10 30.2	9.69	H	272.261 804 05	+35.175 057 51	5.13	−7.43	5.42	0.84	0.94	1.15	1.05	1.13	+23	−31	−33	− 8	− 3	− 7	−11	−25	+19	+15	0	1.10
88922	18 09 06.00	−68 06 46.0	9.68	G	272.274 980 11	−68.112 782 22	16.58	−55.77	−212.36	0.80	0.95	1.38	1.05	1.03	+ 8	− 9	− 7	+15	−17	+ 3	−14	− 7	+12	+12	0	0.46
88923	18 09 06.21	+31 01 16.1	9.65	3 H	272.275 883 86	+31.021 150 52	−0.33	−2.08	7.73	0.67	0.88	1.06	0.78	0.94	−17	−15	+ 6	− 5	+16	− 8	+16	+ 4	−19	− 3	1	−1.20
88924	18 09 06.77	−09 26 49.3	9.94	G	272.278 188 37	−09.447 033 78	17.26	−95.84	−289.00	1.60	1.01	1.66	1.78	1.17	−23	−26	+ 5	−18	+20	− 5	+17	−50	− 7	−33	0	0.55
88925	18 09 07.63	−33 33 49.8	8.31	H	272.281 791 96	−33.563 824 72	7.55	12.72	−34.99	1.12	0.69	1.17	1.62	0.84	+ 5	−10	− 4	+20	+ 5	+12	+ 7	−38	+15	+15	0	2.05
88926	18 09 08.24	−33 19 00.5	8.95	H	272.284 343 44	−33.316 806 58	−0.62	−0.07	−8.13	1.31	0.80	1.36	1.88	0.98	+16	−10	+ 4	+15	− 2	+ 6	+ 3	−37	+ 6	+30	0	0.89
88927	18 09 08.90	+22 56 38.4	9.39	H	272.287 090 18	+22.943 991 38	4.70	−1.03	−13.91	0.79	1.10	1.50	0.90	1.27	+16	− 3	+ 1	+18	+23	+ 7	+24	+10	+15	+25	0	−1.38
88928	18 09 09.29	−15 03 32.6	8.39	H	272.288 714 06	−15.059 060 91	1.81	2.64	−3.21	1.17	0.70	1.21	1.45	0.86	−10	−32	− 5	+15	+16	+ 2	+ 6	−25	+ 8	−27	0	1.28
88929	18 09 10.18	+30 28 09.1	6.36	H	272.292 425 00	+30.469 192 67	7.41	73.52	139.13	0.41	0.51	0.62	0.48	0.57	− 4	− 9	−10	+ 9	+ 9	−18	+ 8	+19	− 6	− 6	0	0.13
88930	18 09 10.67	+11 03 47.7	8.75	H	272.294 474 34	+11.063 257 62	5.86	7.94	15.88	0.74	0.65	1.31	0.95	0.86	+ 6	−25	−15	+ 0	+10	+18	+18	+12	−21	−10	2	0.55
88931	18 09 11.42	+14 01 34.0	7.61	H	272.297 570 72	+14.026 107 13	5.27	26.75	−10.00	0.66	0.55	0.86	0.83	0.67	+11	− 8	−26	− 1	+29	− 9	+26	− 8	+14	+ 8	0	0.21
88932 H	18 09 12.18	−22 11 00.6	8.88	G	272.300 739 05	−22.183 512 54	* 29.58	−7.29	−91.93	1.25	0.85	1.36	1.52	1.09	+14	−33	− 9	+12	+ 7	− 2	+ 1	−22	+23	+20	0	0.00
88933	18 09 12.39	−40 12 13.0	10.61	3 H	272.301 623 12	−40.203 621 03	−2.29	−2.88	−19.15	1.98	1.34	2.20	2.68	1.50	− 7	−26	−10	+23	+18	−26	− 3	−43	+21	−36	0	−1.69
88934	18 09 14.19	+56 03 06.3	8.76	H	272.309 133 10	+56.051 763 88	1.60	14.96	7.29	0.81	0.63	0.77	0.95	0.72	− 3	− 6	−20	+11	+ 9	− 7	+10	−12	+ 8	+ 9	0	1.07
88935	18 09 14.33	−57 47 11.6	7.72	H	272.309 702 70	−57.786 561 16	5.06	7.19	−17.22	0.76	0.69	0.97	0.88	0.77	−11	−30	+ 4	+18	−10	− 2	−13	− 9	+ 6	−21	0	1.22
88936	18 09 14.81	+10 37 02.7	8.55	H	272.311 720 63	+10.617 416 95	5.40	18.08	−25.61	0.71	0.62	1.26	0.91	0.87	+28	−43	−32	−32	+ 0	+24	+17	−13	−16	−19	0	1.53
88937 H	18 09 15.09	−26 06 57.5	7.60	G	272.312 865 37	−26.115 960 48	A 24.75	−31.32	−338.01	3.46	2.60	3.32	4.47	2.71	−48	−25	−10	− 6	+28	−10	+25	−39	+ 8	−12	5	−0.09
88938 H	18 09 15.12	+13 29 06.4	8.52	G	272.313 007 57	+13.485 099 49	A 1.27	0.94	− 6.03	1.27	1.15	1.60	1.29	1.18	−17	+ 6	−31	−23	+31	−27	+20	+ 1	− 4	− 4	1	−0.07
88939	18 09 17.00	−62 19 35.9	9.10	H	272.320 848 30	−62.326 645 15	1.59	−10.52	− 7.01	0.81	0.68	1.01	0.92	0.67	− 1	−10	− 7	−26	+14	+ 0	+11	−27	+ 7	+16	0	1.18
88940	18 09 17.18	−36 57 57.5	8.17	2 H	272.321 583 57	−36.965 985 65	0.23	7.12	− 7.53	1.14	0.78	1.50	1.49	0.82	+27	−38	−42	+15	+21	−45	−21	−55	+37	−25	5	1.47
88941	18 09 17.19	−38 36 40.1	7.75	H	272.321 611 20	−38.611 134 17	4.08	−4.43	−27.34	1.03	0.69	1.12	1.53	0.80	+ 4	−24	+16	− 3	−20	−13	−13	−48	− 4	+13	0	0.36
88942	18 09 17.65	−22 54 26.4	7.91	G	272.323 554 39	−22.907 322 17	31.27	42.18	−459.56	1.03	0.62	1.12	1.08	0.70	+17	−49	−22	+21	+17	− 4	− 5	−29	+22	−14	0	1.31
88943	18 09 17.70	−23 59 18.2	7.32	2 H	272.323 742 87	−23.988 394 47	1.85	1.95	− 0.30	0.98	0.58	1.05	0.98	0.67	− 3	−56	−14	− 2	+14	− 1	+ 1	−40	+12	−25	0	1.76
88944	18 09 17.85	−02 58 49.5	8.85	H	272.324 362 85	−02.980 428 19	4.95	−1.96	− 8.21	0.93	0.73	1.16	1.03	0.78	− 2	−20	−32	− 4	+ 0	+18	+ 5	−24	+ 7	− 5	0	0.02
*88945	18 09 21.33	+29 57 05.6	6.84	1 H	272.338 888 44	+29.951 564 18	39.62	71.12	60.54	0.46	0.55	0.68	0.56	0.59	+ 1	− 7	− 8	− 7	+16	−13	+12	+10	+13	+ 2	0	−0.06
*88946	18 09 21.28	+09 09 03.6	9.04	2 T	272.338 686 25	+09.151 000 15	8.09	−32.48	3.23	1.15	1.00	1.44	1.20	1.18	+15	−43	−30	− 3	+ 4	+26	+ 9	−19	− 8	+25	2	2.47
88947	18 09 22.50	−36 40 21.1	6.53	1 H	272.343 758 80	−36.672 518 46	0.00	− 1.73	− 5.92	0.73	0.49	0.85	1.03	0.55	− 4	−19	− 2	+ 7	− 1	−37	− 9	−39	+ 5	−24	0	−0.36
88948	18 09 23.33	−51 04 15.4	8.60	H	272.347 202 85	−51.070 934 18	3.53	5.28	−37.00	0.99	0.74	1.26	1.11	0.72	−10	−21	−34	+34	−37	+ 7	−36	+20	+ 4	−22	0	1.32
88949	18 09 24.19	−53 03 26.3	8.90	H	272.350 802 71	−53.057 298 12	9.49	4.84	−20.47	1.52	0.86	1.56	1.74	1.11	+17	−35	− 6	−21	−45	− 8	−62	−11	+30	+21	0	−0.15
88950	18 09 24.63	−83 07 59.3	8.75	H	272.352 620 54	−83.133 137 07	7.01	− 5.60	−38.50	0.64	0.72	0.84	0.72	0.83	+ 7	−21	− 5	+11	− 9	−12	− 9	+ 9	+ 0	− 1	0	−1.51
88951	18 09 24.94	−60 22 11.7	9.01	H	272.353 934 32	−60.369 908 73	1.73	−2.06	1.92	1.10	0.86	1.25	1.52	1.05	− 7	−12	− 3	−13	−15	− 4	−13	− 7	+ 3	−20	0	−1.10
88952	18 09 26.12	−68 01 15.8	9.33	H	272.358 833 68	−68.021 066 58	1.17	4.92	− 0.97	0.78	0.90	1.41	0.92	0.91	+26	−17	− 3	+11	− 9	+ 2	− 8	+ 3	+10	+23	0	0.12
88953	18 09 26.83	+36 31 07.9	8.39	H	272.361 799 16	+36.518 865 58	3.38	− 7.75	17.87	0.64	0.64	0.80	0.62	0.75	+11	−26	−14	+13	+ 7	− 8	+ 6	+ 9	+ 4	+ 4	0	−0.98
88954	18 09 27.47	−45 56 17.0	7.35	G	272.364 455 63	−45.938 052 92	19.41	32.25	−135.09	0.76	0.49	0.96	0.94	0.56	−25	−21	+ 1	+22	−29	+ 9	−26	− 3	+16	− 6	2	1.00
88955	18 09 27.86	−29 00 40.9	9.42	H	272.366 092 04	−29.011 354 16	15.05	32.95	−23.46	1.36	0.82	1.45	1.45	0.86	+28	−49	−27	+ 9	− 6	+ 0	− 6	−43	+ 7	+23	0	−0.79
88956	18 09 28.01	−52 53 19.3	8.98	H	272.366 690 62	−52.888 699 47	4.58	−2.34	− 7.28	1.24	0.90	1.42	1.56	0.88	− 3	−16	− 9	+ 8	−44	−10	−38	−10	− 3	− 8	0	−0.01
88957	18 09 30.24	+26 57 24.3	9.30	H	272.375 985 10	+26.956 745 81	4.11	− 1.96	− 7.43	0.65	0.89	1.16	0.83	1.08	+ 0	+ 6	+ 1	− 5	+ 3	−17	+ 4	− 5	+10	+16	0	−1.11
88958	18 09 31.01	+00 23 29.2	7.87	G	272.379 197 71	+00.391 448 78	13.39	39.98	−37.23	0.83	0.63	0.96	0.82	0.69	+13	−34	− 1	+ 5	− 6	+15	−10	− 4	+ 5	+ 0	4	0.87
88959	18 09 32.08	−48 40 48.6	8.24	G	272.383 682 52	−48.680 176 56	4.73	6.57	− 0.10	0.94	0.62	1.12	1.05	0.66	− 7	−30	− 9	+34	−28	− 9	−34	−11	+15	−24	0	−0.25
*88960	18 09 32.20	+38 56 41.4	8.79	H	272.384 168 74	+38.944 847 12	3.01	20.63	− 8.51	0.68	0.70	0.82	0.77	0.82	+ 2	−16	+ 0	+20	+10	−11	+11	+ 2	− 3	+ 8	0	−0.86
*88961	18 09 32.20	−00 19 37.6	8.93	H	272.384 163 22	−00.327 097 83	34.26	79.43	−13.02	1.01	0.78	1.16	1.02	0.87	− 6	−34	+ 3	+ 3	− 3	+16	− 1	+ 5	−10	−18	0	1.78
88962	18 09 33.22	−12 02 18.2	10.50	H	272.388 425 41	−12.038 383 22	37.77	65.02	−206.44	1.96	1.38	2.69	2.73	1.60	+10	−20	−48	−14	+25	−49	− 9	−47	+42	−44	0	−1.00
88963	18 09 33.30	−10 49 20.2	8.83	H	272.388 739 05	−10.822 268 37	24.98	− 5.92	−35.56	1.36	0.88	1.49	1.69	0.96	−25	+ 4	−43	−43	+40	+42	+26	−58	+36	−41	0	−1.31
88964 H	18 09 33.86	+03 59 35.8	5.71	H	272.391 100 31	+03.993 286 54	A 19.62	50.07	− 4.47	1.74	1.54	1.22	1.33	1.11	+38	−10	+ 8	−30	−18	−15	−18	−35	− 3	+41	1	−0.24
88965 H	18 09 34.23	+06 08 44.9	7.68	G	272.392 616 09	+06.145 797 83	A 9.41	− 1.57	−32.03	3.47	3.15	2.59	2.95	2.78	+13	−16	−38	−12	−14	− 2	−16	−45	+23	+13	2	0.83
88966	18 09 34.92	−38 47 52.6	8.03	H	272.395 513 59	−38.797 931 19	4.71	− 1.50	−18.18	0.95	0.66	1.07	1.47	0.79	+ 9	−17	+13	+ 4	−14	−20	− 9	−42	+ 3	+16	0	0.14
88967	18 09 35.79	−36 46 37.3	8.75	H	272.399 129 67	−36.777 031 29	2.61	0.53	− 6.96	1.22	0.83	1.44	1.73	0.91	− 1	−10	− 6	+ 2	+ 8	−28	+ 0	−50	+ 5	−16	5	1.09
88968	18 09 36.50	+35 31 02.4	8.49	2 H	272.402 072 48	+35.517 330 45	0.97	− 7.49	3.20	0.65	0.76	0.90	0.72	0.85	+22	−30	−33	+22	+12	−24	+ 0	−21	+15	+ 9	1	−0.69
88969	18 09 36.62	−05 39 12.6	7.43	H	272.402 577 63	−05.653 498 04	9.36	33.36	−60.90	0.81	0.56	0.90	0.74	0.59	+ 1	−37	−14	−14	−11	+ 9	−11	−25	− 5	−26	0	−1.20
88970	18 09 36.81	+11 58 12.5	8.47	H	272.403 381 44	+11.970 151 74	3.62	−10.61	13.84	0.76	0.73	1.19	1.05	0.92	− 3	−15	−10	+ 8	+32	− 3	+29	+11	− 1	+15	1	0.20
*88971	18 09 37.68	−34 04 21.6	9.26	H	272.407 017 72	−34.072 662 93	10.47	20.92	−169.33	1.43	0.90	1.54	2.03	1.09	− 1	−19	−21	+19	+17	+11	+15	−39	+21	+ 4	0	0.30
*88972	18 09 37.65	+38 27 32.1	6.38	H	272.406 883 26	+38.458 915 34	90.11	−316.17	−468.33	0.47	0.44	0.54	0.53	0.50	− 8	−18	− 1	+28	+11	−16	+13	+ 7	+ 2	+ 8	1	0.92
88973	18 09 38.72	+60 23 30.0	10.02	H	272.411 333 25	+60.391 664 71	8.90	9.63	57.24	0.94	0.76	0.97	1.21	1.01	+24	+ 4	− 5	− 5	− 6	−10	− 5	−31	− 8	+29	1	−0.93
88974	18 09 39.07	+04 11 57.4	8.80	H	272.412 773 90	+04.199 272 08	4.13	0.30	− 3.48	1.05	0.85	1.17	1.27	1.04	+ 5	−22	−12	−16	− 9	+13	− 8	−25	+ 7	+18	0	−0.05
88975 H	18 09 40.64	+50 24 07.4	7.29	H	272.419 312 85	+50.402 049 63	A 6.79	6.88	9.18	1.13	1.18	1.03	1.16	1.20	− 4	−20	−20	− 1	− 2	− 4	− 6	+25	− 5	+ 4	1	1.23
88976	18 09 40.68	+31 52 11.1	11.38	H	272.419 513 52	+31.869 758 19	43.68	54.40	190.54	10.70	14.38	7.73	15.58	19.78	−15	+15	+16	+88	−10	+14	−12	+91	+12	− 7	5	
88977	18 09 40.74	−08 46 43.9	8.12	H	272.419 762 06	−08.778 871 76	3.25	−98.22	−191.08	1.07	0.61	1.19	1.20	0.73	+10	−43	−25	+17	+ 6	+ 0	− 6	−33	+20	− 7	0	−0.16
88978	18 09 41.38	−24 42 56.0	8.58	H	272.422 425 63	−24.715 543 11	0.46	−21.14	−28.00	1.38	0.96	1.38	1.85	1.19	−46	+13	−28	−29	+52	−22	+50	−66	+40	−43	5	1.78
88979	18 09 41.86	−72 24 25.2	9.85	H	272.424 426 40	−72.407 008 32	2.87	47.96	21.36	0.81	1.24	1.64	0.85	1.40	− 6	−20	− 9	+22	−16	−10	−16	+26	− 7	−16	3	0.41
88980	18 09 43.14	+06 12 23.0	7.07	H	272.429 763 54	+06.206 399 92	8.11	−37.75	25.03	0.85	0.70	1.07	0.89	0.77	+ 1	−24	−39	−14	+11	+17	+22	−17	+ 0	+ 9	0	0.86
88981	18 09 43.37	−13 56 03.9	6.38	G	272.430 712 98	−13.934 427 21	4.87	14.61	− 3.34	0.79	0.45	0.83	0.80	0.50	− 2	−43	−13	+25	−11	+14	−15	+ 4	− 2	−32	2	1.12
88982	18 09 44.44	−18 50 39.8	7.62	G	272.435 180 53	−18.844 377 08	3.49	− 1.99	− 9.89	0.92	0.57	1.06	1.00	0.63	+ 6	−39	−27	+ 7	+12	−21	− 8	−30	+24	−29	0	−0.21
88983	18 09 44.78	+04 36 11.2	7.77	H	272.436 577 56	+04.603 108 98	9.50	10.39	10.87	0.82	0.69	0.92	0.90	0.78	− 4	−15	−25	−10	+ 3	+14	+ 7	−15	+ 6	+ 9	5	1.89
88984	18 09 45.37	−11 43 28.8	7.32	H	272.439 042 68	−11.724 670 96	0.70	3.70	− 9.55	1.14	0.71	1.37	1.58	0.88	−28	− 7	−35	−35	+42	−53	+24	−55	+40	−67	0	−0.19
88985	18 09 46.24	+21 20 54.1	7.77	H	272.442 648 76	+21.348 350 29	7.82	78.98	−27.76	0.59	0.66	0.90	0.64	0.76	+23	−16	− 3	+56	+22	+ 1	+18	+13	+ 8	+19	1	2.92
88986	18 09 47.55	+03 12 03.7	7.38	G	272.448 114 90	+03.201 014 90	5.26	13.61	− 9.27	0.84	0.63	0.98	1.01	0.75	+ 8	−22	− 6	+ 6	+ 4	+31	+ 5	− 7	+20	+29	0	1.36
88987	18 09 47.57	+36 59 16.8	10.12	H	272.448 228 23	+36.987 993 96	1.22	13.44	− 2.02	0.96	1.08	1.25	1.00	1.50	+ 7	−14	−15	+ 3	+ 5	− 3	+ 8	+16	+ 1	− 7	0	−0.56
88988	18 09 47.73	+45 37 00.8	9.35	H	272.448 860 29	+45.616 893 14	1.72	8.91	−16.60	0.79	0.69	0.82	0.91	0.86	+ 4	−18	+ 3	− 1	+10	+ 8	+11	+23	− 4	+ 6	0	−0.14
88989	18 09 48.42	−49 16 56.8	9.30	H	272.451 769 48	−49.282 451 25	3.91	− 8.04	− 8.22	1.28	0.87	1.66	1.36	0.98	+ 3	−43	−19	+25	−14	− 7	−30	−13	+34	−16	0	1.96
88990	18 09 48.46	−44 56 43.7	7.03	H	272.451 924 42	−44.945 471 14	7.97	13.00	−19.61	0.69	0.44	0.90	0.89	0.52	−15	−13	+ 3	+17	−42	− 3	−35	+10	+22	+ 9	0	0.27
88991	18 09 49.44	−27 11 38.5	10.22	H	272.455 993 38	−27.194 024 55	−1.67	2.88	− 2.13	1.90	1.27	2.14	2.30	1.36	+43	−42	−41	+15	+13	−29	−22	−48	+28	− 7	0	−1.22
88992	18 09 50.19	−47 42 31.5	8.65	H	272.459 114 63	−47.708 763 20	8.66	9.18	−27.02	1.04	0.68	1.18	1.19	0.69	−17	−17	+ 4	+27	−36	− 9	−32	+ 0	+ 2	−15	0	0.54
88993	18 09 50.41	+10 46 26.5	9.44	H	272.460 059 02	+10.774 015 28	0.91	−0.54	1.40	0.85	0.75	1.39	1.00	0.98	+ 8	−37	−28	−15	+ 2	+21	+16	− 3	−22	−21	0	1.40
88994	18 09 50.65	−15 33 00.3	8.84	3 H	272.461 025 55	−15.550 079 88	2.70	6.36	0.22	1.24	0.76	1.34	1.46	0.91	− 4	−33	+ 3	− 1	+ 6	− 8	+ 2	−31	− 4	−23	0	−0.19
88995	18 09 51.63	−23 36 51.3	9.87	G	272.465 114 00	−23.614 258 29	1.45	4.14	− 0.37	1.99	1.16	2.16	1.82	1.23	+36	−61	−37	+ 4	− 5	− 7	−37	+46	−24	− 2	0	−0.18
88996 H	18 09 52.37	−07 54 49.3	9.40	1 H	272.468 218 27	−07.913 686 06	A 17.66	−13.18	−13.60	2.01	1.56	1.87	1.85	1.35	+28	−21	−25	− 8	+ 3	− 9	− 1	−30	+15	+24	1	0.78
88997	18 09 52.70	+39 52 59.1	8.02	H	272.469 601 76	+39.883 094 01	8.05	15.39	24.54	0.56	0.55	0.64	0.56	0.62	+ 4	+ 6	+ 7	+ 0	+19	− 9	+20	+14	+ 3	+11	0	−0.31
88998	18 09 53.35	+61 52 51.2	7.24	H	272.472 284 41	+61.880 893 35	12.80	−55.38	36.17	0.55	0.40	0.54	0.62	0.60	+14	−22	− 5

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
88901	8.006	0.009	7.573	0.008		0.409	0.011	T	0.48	0.01	L	7.6231	0.0011	0.010	118		7.60	7.64		C			1							S
88902	9.755	0.023	7.800	0.010		1.657	0.021	T	2.27	0.06	O	7.6362	0.0071	0.046	80		7.57	7.72		U 2			1							
88903	6.974	0.005	7.096	0.006		−0.106	0.002	G	−0.09	0.00	H	7.0788	0.0008	0.008	97		7.06	7.10		C			1 G							S
88904	9.530	0.019	9.072	0.018		0.432	0.024	T	0.50	0.03	L	9.1211	0.0020	0.018	98		9.09	9.15					1							
88905	6.695	0.031	6.710	0.029	A	−0.009	0.039	T	0.01	0.04	L	6.7637	0.0241	0.176	69	A	6.66	7.12	2.25	P 1 A	18089−2528	I 2	1 C P A							S
88906	8.860	0.025	7.611	0.016		1.065	0.023	T	1.03	0.02	L	7.6518	0.0015	0.009	81		7.64	7.67		C			1							
88907	8.455	0.018	7.127	0.010		1.127	0.016	T	1.09	0.02	L	7.1337	0.0013	0.008	71		7.12	7.15		C			1							S
88908	8.823	0.020	8.761	0.028	B	0.101	0.020	G	0.06	0.03	L	8.4355	0.0651			B				D	18089−2528	I 2	1 C I A							
88909	8.143	0.008	8.038	0.010		0.102	0.012	T	0.12	0.01	L	8.0598	0.0013	0.011	105		8.04	8.08		C			1							S
88910	8.533	0.008	8.173	0.008	*	0.387	0.001	G	0.45	0.00	H	* 8.2144	0.0012	0.016	198	*	8.19	8.24			18089+2435	H 1	2 C S B	AB	156	0.159	0.029	1.41	0.64	S
88911	10.224	0.042	9.516	0.038		0.652	0.046	T	0.72	0.04	L	9.5213	0.0021	0.017	75		9.49	9.55		C			1							
88912	9.246	0.014	8.683	0.013		0.531	0.014	T	0.60	0.01	L	8.7544	0.0015	0.015	131		8.73	8.78		C			1							
88913	8.178	0.007	7.493	0.005		0.633	0.007	T	0.70	0.01	L	7.5476	0.0010	0.013	230		7.52	7.57					1							S
88914	8.029	0.011	7.986	0.016		0.012	0.015	G	0.03	0.01	H	8.0066	0.0013	0.010	72		7.99	8.02		C			1							S
88915	9.327	0.018	8.941	0.019		0.365	0.024	T	0.43	0.03	L	8.9913	0.0022	0.021	93		8.96	9.03					1							
88916	7.933	0.009	7.781	0.015		0.146	0.016	T	0.16	0.02	L	7.8186	0.0018	0.010	61		7.81	7.84		C			1							S
88917	9.522	0.018	8.905	0.016		0.571	0.018	T	0.64	0.02	L	8.9478	0.0014	0.016	106		8.92	8.98					1 G							
88918	10.537	0.057	8.987	0.026		1.301	0.049	T	1.26	0.05	L	9.0186	0.0028	0.019	67		8.99	9.06			18090−3446	I 1	1 S							
88919	10.133	0.031	9.722	0.035		0.421	0.003	G	0.49	0.00	H	9.7224	0.0025	0.027	83		9.68	9.77		C			1							G
88920	9.244	0.020	8.575	0.018	*	0.609	0.020	T	0.68	0.02	L	* 8.5971	0.0020	0.015	82	*	8.56	8.63		D	18090−3617	I 1	2 C A	AB	13	0.207	0.006	0.44	0.17	
88921	10.104	0.027	9.717	0.027		0.366	0.035	T	0.43	0.04	L	9.7740	0.0024	0.021	108		9.74	9.81			18090+3511	I 1	1							
88922	10.823	0.032	9.723	0.020		0.883	0.015	G	0.93	0.01	H	9.8256	0.0021	0.029	191		9.78	9.89					1							
88923	10.349	0.042	9.033	0.022		1.118	0.037	T	3.34	0.97	Q	9.4433	0.1753	1.483	131		8.04	11.54	163.76	P 1 B	18091+3102	I 1	1 S							G P
88924	11.138	0.079	9.981	0.046		0.905	0.021	G	0.95	0.02	I	10.1013	0.0032	0.027	64		10.06	10.14		C			1							G
88925	8.767	0.018	8.378	0.019		0.380	0.022	T	0.44	0.02	L	8.3998	0.0019	0.015	67		8.38	8.42		C			1							
88926	10.712	0.075	9.117	0.031		1.160	0.040	G	1.12	0.04	K	9.1221	0.0024	0.015	72		9.09	9.15		C			1 S							
88927	10.754	0.036	9.494	0.020		1.074	0.032	T	1.04	0.03	L	9.5582	0.0021	0.025	159		9.50	9.61					1 S							
88928	10.462	0.050	8.579	0.020		1.564	0.043	T	1.58	0.04	L	8.5123	0.0023	0.013	68		8.49	8.56					1							
88929	7.923	0.007	6.494	0.004		1.194	0.006	G	1.15	0.01	H	6.5255	0.0007	0.007	138		6.52	6.54		C			1							S
88930	9.389	0.015	8.784	0.014		0.564	0.018	T	0.64	0.02	L	8.8683	0.0018	0.020	121		8.83	8.91					1							
88931	7.925	0.007	7.640	0.008		0.271	0.010	T	0.31	0.01	L	7.6818	0.0012	0.011	118		7.66	7.70		C			1							S
88932	10.309	0.039	9.003	0.022	*	1.075	0.005	G	1.04	0.00	H	* 8.9872	0.0028	0.019	75	*	8.95	9.02		C	18092−2211	I 1	2 C S A	AS	171	0.138	0.017	0.34	0.60	
88933						1.490	0.490	G	1.51	0.73	K	10.7382	0.0191	0.162	66		10.48	11.31		U 2			1							G
88934	10.409	0.032	8.871	0.016		1.292	0.028	T	1.25	0.03	L	8.9142	0.0017	0.017	104		8.89	8.95					1							
88935	9.803	0.026	7.898	0.012		1.582	0.023	T	1.60	0.02	L	7.8349	0.0014	0.015	83		7.80	7.86					1							
88936	10.064	0.023	8.674	0.012		1.176	0.020	T	1.14	0.02	L	8.7130	0.0011	0.013	136		8.69	8.74		C			1							
88937	8.465	0.027	7.728	0.023	A	0.650	0.042	G	0.69	0.03	L	* 7.7382	0.0016	0.013	76	*	7.72	7.76		D	18093−2607	I 1	2 C A	AD	329	1.316	0.091	2.89	0.06	S
88938	8.387	0.016	8.358	0.022	*	−0.018	0.013	G	0.00	0.01	H	* 8.4694	0.0017	0.018	105	*	8.45	8.51		D	18093+1329	I 1	2 C A	AB	333	3.610	0.005	1.41	0.02	
88939	9.094	0.015	9.098	0.019		−0.002	0.021	T	0.02	0.02	L	9.1122	0.0017	0.015	116		9.09	9.14					1							
88940	10.425	0.040	8.387	0.014		1.725	0.035	T	2.36	0.07	O	8.2111	0.0031	0.023	82		8.18	8.25		U 2			1							
88941	9.160	0.017	7.887	0.010		1.084	0.015	T	1.05	0.01	L	7.9222	0.0014	0.009	71		7.91	7.94		C			1 S							
88942	8.964	0.013	7.976	0.010		0.842	0.002	G	0.88	0.00	H	8.0577	0.0012	0.010	77		8.04	8.08		C			1							
88943	7.444	0.011	7.364	0.010		0.079	0.014	T	0.09	0.01	L	7.3560	0.0039	0.061	68		7.31	7.46		U 2			1							S
88944	9.036	0.015	8.890	0.018		0.140	0.022	T	0.15	0.02	L	8.8975	0.0018	0.018	79		8.87	8.92		C			1							
88945	7.596	0.006	6.911	0.005		0.633	0.006	T	0.70	0.01	L	6.9684	0.0015	0.015	137		6.94	6.99		U			1							S
88946	9.800	0.027	9.111	0.023		0.624	0.027	T	0.69	0.02	L	9.1118	0.0476	0.250	65		8.96	9.53	0.41	P 1 A			1							P
88947	6.482	0.005	6.552	0.006		−0.059	0.007	T	0.03	0.03	C	6.5461	0.0011	0.010	84		6.52	6.56		U 2			1							S
88948	10.362	0.033	8.749	0.015		1.351	0.029	T	1.32	0.03	L	8.7538	0.0017	0.019	102		8.72	8.78		D			1							
88949	9.484	0.023	8.960	0.023		0.501	0.024	T	0.57	0.03	L	9.0111	0.0020	0.020	84		8.98	9.05					1 G							
88950	9.268	0.013	8.814	0.012		0.442	0.014	T	0.51	0.01	L	8.8530	0.0018	0.016	142		8.82	8.88		C			1							
88951	11.190	0.063	9.197	0.020		1.652	0.053	T	1.67	0.05	L	9.1221	0.0027	0.020	81		9.09	9.16					1							
88952	11.601	0.075	9.522	0.020		1.720	0.062	T	1.75	0.06	L	9.4317	0.0022	0.026	174		9.39	9.47		C			1							
88953	8.542	0.012	8.413	0.014		0.125	0.017	T	0.14	0.02	L	8.4353	0.0021	0.015	106		8.41	8.46					1							S
88954	7.937	0.009	7.401	0.009		0.503	0.006	G	0.58	0.01	H	7.4518	0.0012	0.010	115		7.44	7.47		C			1							S
88955	10.266	0.063	9.633	0.067		0.583	0.068	T	0.65	0.06	L	9.5406	0.0032	0.020	73		9.51	9.59					1 S							G
88956	11.163	0.072	9.118	0.022		1.693	0.060	T	1.72	0.06	L	9.0864	0.0017	0.017	80		9.06	9.11		C			1							
88957	9.520	0.016	9.318	0.018		0.193	0.023	T	0.21	0.03	L	9.3589	0.0019	0.026	163		9.32	9.40					1							
88958	8.419	0.016	7.916	0.011		0.506	0.015	G	0.58	0.02	H	7.9734	0.0016	0.009	61		7.96	7.99		C			1							S
88959	8.689	0.011	8.282	0.011		0.399	0.015	G	0.46	0.02	H	8.3425	0.0014	0.014	110		8.32	8.37		C			1							
88960	10.565	0.035	8.949	0.016		1.353	0.030	T	1.32	0.04	L	8.9332	0.0019	0.015	131		8.91	8.96		C			1							
88961	10.304	0.039	9.037	0.023		1.020	0.015	G	1.07	0.02	I	9.0740	0.0026	0.018	72		9.04	9.12					1							
88962	11.925	0.166	10.596	0.079		1.372	0.004	G	1.61	0.01	I	10.6043	0.0049	0.027	58		10.55	10.66		C			1							G
88963	9.826	0.026	8.915	0.020		0.793	0.025	T	0.82	0.02	L	8.9695	0.0029	0.018	64		8.95	9.01					1							
88964	6.150	0.004	5.753	0.005	*	0.363	0.003	G	0.42	0.00	R	* 5.7922	0.0015	0.008	59	*	5.78	5.80		D	18096+0359	I 1	2 C A	AB	310	0.427	0.005	1.34	0.02	S
88965	8.324	0.016	7.783	0.016	*	0.568	0.015	G	0.64	0.01	H	* 7.7887	0.0026	0.012	52	*	7.77	7.81		D	18096+0609	I 1	2 C A	AB	62	0.660	0.005	0.45	0.02	S
88966	8.319	0.011	8.058	0.012		0.249	0.015	T	0.28	0.02	L	8.1057	0.0013	0.013	78		8.09	8.13		C			1							S
88967	10.770	0.058	8.971	0.022		1.528	0.051	T	2.28	0.11	O	8.8083	0.0028	0.022	78		8.78	8.84					1							
88968	10.476	0.031	8.685	0.013		1.522	0.028	T	2.08	0.08	O	8.5598	0.0035	0.030	122		8.51	8.59		U 2			1							
88969	8.608	0.013	7.540	0.009		0.925	0.012	T	0.92	0.01	L	7.5907	0.0017	0.010	70		7.57	7.61		C			1							S
88970	9.918	0.020	8.598	0.012		1.121	0.018	T	1.08	0.02	L	8.6393	0.0016	0.014	122		8.62	8.67		C			1							
88971	10.069	0.038	9.457	0.036		0.568	0.039	T	0.64	0.04	L	9.3873	0.0026	0.017	69		9.35	9.41					1							
88972	7.517	0.006	6.486	0.005		0.876	0.007	G	1.00	0.01	G	6.5235	0.0008	0.007	131		6.51	6.54					1							S
88973	10.903	0.052	10.040	0.038		0.757	0.049	T	0.80	0.05	L	10.1598	0.0035	0.031	115		10.12	10.20					1							G
88974	11.065	0.072	9.013	0.022		1.699	0.060	T	1.72	0.06	L	8.8999	0.0027	0.015	59		8.88	8.93		C			1							
88975	7.554	0.009	7.355	0.008	*	0.190	0.011	T	0.21	0.01	L	* 7.3527	0.0013	0.009	100	*	7.34	7.37		D	18097+5024	I 1	2 C A	AB	224	0.730	0.003	0.86	0.01	S
88976											T	11.5197	0.0073	0.049	55		11.42	11.59					1 X							G G
88977	9.268	0.023	8.252	0.016		0.875	0.022	T	0.92	0.02	L	8.2639	0.0014	0.010	69		8.25	8.28					1							
88978	10.663	0.049	8.769	0.018		1.573	0.041	T	1.59	0.04	L	8.6950	0.0020	0.014	74		8.67	8.72					1							
88979	10.477	0.026	9.874	0.023		0.561	0.026	T	0.63	0.02	L	9.9670	0.0020	0.035	194		9.90	10.02					1							G
88980	8.395	0.016	7.196	0.008		1.026	0.014	T	1.00	0.01	L	7.2356	0.0011	0.009	56		7.21	7.25		C			1							S
88981	8.221	0.013	6.548	0.006		1.428	0.008	G	1.42	0.01	I	6.5207	0.0007	0.006	68		6.51	6.53					1							S
88982	7.731	0.008	7.659	0.010		0.071	0.012	T	0.08	0.01	L	7.6722	0.0017	0.012	82		7.65	7.70					1							S
88983	8.006	0.008	7.791	0.012		0.205	0.014	T	0.23	0.02	L	7.8333	0.0014	0.013	70		7.81	7.85		C			1							S
88984	9.623	0.021	7.526	0.009		1.790	0.015	G	1.77	0.01	J	7.4239	0.0011	0.009	63		7.41	7.44		C			1							S
88985	8.288	0.008	7.814	0.009		0.446	0.011	T	0.52	0.01	L	7.8680	0.0014	0.013	139		7.85	7.90					1							S
88986	9.028	0.021	7.545	0.012		1.230	0.015	G	1.19	0.01	H	7.5510	0.0010	0.010	52		7.53	7.57					1							S
88987	11.351	0.066	10.198	0.038		0.990	0.059	T	0.97	0.05	L	10.2817	0.0034	0.029	117		10.23	10.33					1							G
88988	9.789	0.023	9.425	0.025		0.345	0.032	T	0.40	0.04	L	9.4377	0.0024	0.019	122		9.40	9.47		C			1							
88989	10.735	0.049	9.394	0.025		1.137	0.043	T	1.10	0.04	L	9.4727	0.0026	0.021	92		9.44	9.51		C			1 S							
88990	8.407	0.010	7.150	0.006		1.091	0.010	G	1.05	0.01	H	7.1973	0.0008	0.008	141		7.19	7.21		C			1							S
88991	10.543	0.064	10.240	0.098		0.288	0.110	T	0.33	0.14	L	10.2919	0.0033	0.024	66		10.23	10.34		C			1							G
88992	10.071	0.025	8.781	0.015		1.097	0.023	T	1.06	0.02	L	8.8180	0.0016	0.016	107		8.80	8.84					1							
88993	9.367	0.015	9.429	0.021		−0.053	0.022	T	−0.03	0.02	L	9.4336	0.0031	0.026	121		9.40	9.47					1							
88994	9.819	0.030	9.053	0.025		0.698	0.031	T	0.75	0.03	L	8.9829	0.0167	0.159	66		8.74	9.57		P 1 A			1							G
88995	10.092	0.038	10.000	0.054		0.190	0.000	G	0.21	0.00	H	9.9383	0.0040	0.019	67		9.90	9.97		C			1							G
88996	10.434	0.031	9.515	0.023	*	0.814	0.029	T	0.84	0.02	L	* 9.5571	0.0028	0.025	88	*	9.51	9.62		U	18099−0755	H 1	2 C C	AB	31	0.612	0.052	3.50	0.26	G
88997	8.265	0.009	8.051	0.010		0.204	0.013	T	0.22	0.01	L	8.0807	0.0012	0.010	123		8.06	8.11		C			1							S
88998	7.902	0.008	7.297	0.009		0.569	0.012	G	0.64	0.01	H	7.3643	0.0008	0.008	104		7.35	7.38		C			1							S
88999	8.599	0.015	8.098	0.015	A	0.524	0.015	G	0.60	0.02	H	8.1412	0.0051	0.022	121	A	8.12	8.19		D	18099+4824	I 2	1 C P A							S
89000	6.232	0.005	5.721	0.004		0.490	0.005	T	0.56	0.01	L	5.7738	0.0008	0.006	53		5.76	5.78		C	18099+0307	I 1	1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)												Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ $\alpha*$	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr													%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
89001	18 09 54.82	−37 47 28.8	9.05	H	272.478 434 13	−37.791 322 19		5.05	5.25	−8.76	1.51	0.99	1.56	1.87	1.09	+41	−25	−12	−15	−24	−17	−36	−60	+21	+20		0	−0.36
89002	18 09 54.85	−71 38 42.1	7.57	H	272.478 543 33	−71.645 041 38		10.72	11.30	−28.22	0.39	0.56	0.80	0.45	0.64	−	2	−17	+	1	+	7	−	8	−	3	−	7	−12	−11	−	8	1	1.71
89003	18 09 55.15	+48 24 06.8	10.41	H	272.479 775 66	+48.401 897 53	B	13.81	−24.07	51.35	16.14	17.43	11.78	14.20	14.57	−	1	−14	−10	−19	+	0	+15	+	5	+21	−16	−	7	10	2.50
89004	18 09 55.34	+24 10 06.3	8.23	H	272.480 590 99	+24.168 423 90		2.90	−9.67	−7.31	0.49	0.77	1.03	0.61	0.92	+	8	−16	+	2	+37	+20	+	6	+17	+11	+19	+12		0	0.16
89005	18 09 55.54	+69 40 48.1	8.60	1 H	272.481 427 44	+69.680 025 51		32.30	−25.30	193.89	0.71	0.67	0.72	0.74	0.78	+	4	−14	−11	−	9	−	8	−	8	−10	+31	−25	+14		1	0.60
89006	18 09 57.59	−59 02 24.6	6.38	H	272.489 963 03	−59.040 175 40		5.08	−25.57	−2.74	0.65	0.54	0.74	0.79	0.63	−14	−18	+	9	+14	−28	+	2	−26	−10	+	6	−	6		0	−0.83
89007	18 09 57.95	−34 52 07.3	9.19	G	272.491 445 36	−34.868 696 96		2.46	26.37	−4.61	1.28	0.82	1.32	1.69	0.93	+	9	−18	−	5	+16	+	9	+	6	+	4	−41	+11	+	5	5	1.13
89008	18 09 58.99	+36 27 58.5	5.57	H	272.495 776 22	+36.466 256 71		7.52	13.14	11.20	0.43	0.46	0.57	0.43	0.53	+10	−29	−31	+	6	+	8	−14	+	1	−13	+15	+	3		0	0.60
89009	18 09 59.21	−81 25 02.7	8.14	H	272.496 710 50	−81.417 414 66		7.72	−39.11	−4.38	0.63	0.63	0.82	0.64	0.68	+	2	−33	−	3	−	6	−10	+	5	−	5	+	5	−	9	−11		0	−1.39
89010	18 09 59.96	−32 43 09.4	6.39	H	272.499 842 66	−32.719 270 87		8.94	1.25	−150.02	1.17	0.54	1.06	1.20	0.65	−	3	−47	−	8	+33	+19	+	3	+17	−32	+14	−	4		2	0.89
89011	18 10 01.30	+67 46 55.8	8.26	G	272.505 400 77	+67.782 161 15		9.69	23.76	−92.89	0.60	0.60	0.66	0.58	0.62	−29	−11	+20	−22	−	6	−	8	−	2	−	6	−	9	−36		0	−1.96
89012	18 10 01.55	−51 38 01.1	8.34	H	272.506 462 16	−51.633 648 71		4.27	12.88	−10.40	0.94	0.66	1.14	1.05	0.66	−19	−10	−	7	+31	−31	−	3	−28	+10	+	0	−19		0	1.40
89013	18 10 02.13	−13 32 45.5	10.84	3 H	272.508 885 75	−13.545 964 04		−3.04	1.76	−3.98	1.89	1.27	2.08	1.98	1.36	+14	−37	−26	+	6	+13	−	2	+	0	−35	+18	−10		0	−1.64
89014	18 10 02.62	+30 50 25.7	7.88	H	272.510 937 43	+30.840 461 66		11.86	13.71	−51.17	0.52	0.62	0.78	0.58	0.68	−	6	−15	−	5	+14	+	7	−18	+	5	+13	+	2	+	1		2	−0.63
89015	18 10 02.83	+04 48 19.0	8.56	H	272.511 794 98	+04.805 278 92		7.33	−47.96	−14.61	1.01	0.84	1.21	1.07	0.94	+	5	−32	−32	−14	+	6	+	9	+	6	−26	+14	+10		4	2.09
89016	18 10 03.09	−32 08 37.4	7.66	H	272.512 888 62	−32.143 718 35		4.20	23.13	−6.90	1.06	0.67	1.28	1.41	0.82	+14	−38	−40	+20	+28	−	7	+	2	−48	+44	−	8		0	0.59
89017	18 10 03.34	+56 16 00.1	7.40	H	272.513 925 03	+56.266 698 26		2.06	19.21	24.25	0.58	0.49	0.60	0.67	0.58	+	4	−	1	−19	+19	+12	−10	+13	−11	+10	+10		0	0.12
89018	18 10 03.62	+18 06 25.5	11.93	3 H	272.515 068 97	+18.107 081 94	*	−9.79	−2.16	−16.82	7.01	6.19	5.20	6.52	6.20	−33	−	7	+	9	+	8	+22	−	7	+30	+	0	+14	−	3	9	0.26
89019	18 10 04.57	+16 01 49.8	11.42	G	272.519 059 71	+16.030 512 93		8.36	−77.40	−465.46	1.69	1.49	2.45	2.10	1.65	+	8	−19	−10	+18	+45	−21	+40	+15	−	1	−22		0	1.55
*89020	H 18 10 05.81	−30 43 43.0	5.53	G	272.524 189 33	−30.728 597 47	A	9.05	12.57	−28.23	1.09	0.73	1.12	1.11	0.67	−14	−	9	−	8	+10	+	0	−10	+	4	−34	+	1	−25		3	0.13
*89021	18 10 05.72	−66 36 59.4	8.04	H	272.523 850 78	−66.616 491 79		4.27	16.34	−39.22	0.63	0.64	0.99	0.77	0.63	+	6	−	9	−18	−11	−11	+	2	−	9	−22	+12	+12		4	−0.16
*89022	18 10 05.76	−45 54 14.2	7.49	H	272.524 002 64	−45.903 943 41		5.30	9.48	−11.57	0.81	0.50	0.94	0.97	0.57	−22	−31	−	1	+30	−28	−	6	−27	+	4	+20	−13		0	1.19
89023	H 18 10 08.73	+16 28 35.8	6.09	H	272.536 369 26	+16.476 617 34	A	2.17	−1.65	−11.42	1.44	1.36	1.73	1.68	1.36	+48	−10	+	8	+24	+19	+	1	+11	+25	−19	−34		2	0.60
89024	18 10 08.77	−58 58 05.9	8.27	H	272.536 553 36	−58.968 315 50		6.62	9.46	9.45	0.86	0.73	1.01	1.00	0.83	−24	−25	+	6	+21	−25	+	7	−23	−	1	+	5	−14		0	0.70
89025	18 10 09.57	−17 43 57.8	8.22	H	272.539 891 03	−17.732 724 09		4.69	−20.47	2.92	1.01	0.65	1.13	1.12	0.71	+11	−17	−	4	−10	−	7	−30	−19	−40	+	0	−29		2	0.89
89026	18 10 10.16	+82 56 23.1	7.43	H	272.542 345 27	+82.939 763 69		3.93	−4.29	31.45	0.54	0.52	0.59	0.56	0.58	+	8	−33	−	5	+22	+	9	−18	+13	−	1	−	7	+21		1	−0.53
89027	18 10 10.63	−36 24 44.5	8.53	H	272.544 286 27	−36.412 367 28		13.88	−7.01	−107.26	1.16	0.74	1.30	1.64	0.82	+	6	−21	−	5	+17	−	8	−32	−17	−37	+	3	−17		2	0.82
*89028	18 10 13.82	+51 53 55.4	8.35	H	272.557 587 30	+51.898 730 66		2.36	−5.70	−24.48	0.69	0.65	0.72	0.86	0.83	+	7	+	5	−22	−10	−15	+12	−10	+19	−13	−	8		0	0.36
*89029	18 10 14.12	−21 19 37.8	8.60	G	272.558 847 34	−21.327 165 70		2.41	1.08	−2.97	1.19	0.73	1.30	1.28	0.86	+10	−50	−16	+	2	+	7	−	8	−	5	−41	+12	−12		0	0.90
*89030	H 18 10 13.80	−78 59 11.6	8.86	H	272.557 494 62	−78.986 562 90	A	8.69	−10.35	−43.73	2.18	2.36	2.68	2.07	2.44	−12	−34	−15	+25	−	5	−	4	−13	+	9	+16	−30		4	2.40
89031	18 10 14.58	−42 24 11.5	7.90	H	272.560 747 50	−42.403 196 62		0.12	−4.39	−20.19	1.13	0.72	1.24	1.63	0.90	−	4	−25	−	2	+18	+16	−	1	+10	−30	+21	+	1		0	−0.82
89032	18 10 14.88	−26 06 27.2	9.49	H	272.562 017 17	−26.107 555 34		11.86	−29.07	−1.11	1.89	1.11	1.97	2.17	1.26	−18	−57	−10	−23	+49	−	4	+32	−60	+	2	−44		0	0.44
89033	18 10 17.28	+39 04 33.0	8.13	H	272.572 007 32	+39.075 838 89		7.57	−10.42	−2.97	0.58	0.56	0.68	0.65	0.62	+	0	−21	+	2	+11	+12	−14	+11	+	7	+	6	+	9		0	−0.84
89034	18 10 19.49	+28 26 50.9	9.30	H	272.581 218 25	+28.447 479 27		2.44	−14.86	−0.36	0.73	0.99	1.20	0.88	1.15	+15	−19	−	7	−	9	+11	+10	+	9	+14	+	2	+20		0	1.09
89035	18 10 20.13	−31 31 57.1	7.80	H	272.583 859 65	−31.532 525 00		2.09	0.50	−2.24	0.97	0.60	1.07	1.36	0.75	−	3	−13	−15	+16	+14	+19	+19	−36	+28	+17		0	0.14
89036	18 10 20.91	−31 06 43.0	8.82	H	272.587 107 42	−31.111 949 10		13.62	−45.46	−105.36	1.16	0.71	1.26	1.34	0.76	+	9	−37	−18	+	6	+10	+	1	+	6	−37	+	5	+	0		0	−0.42
89037	18 10 23.63	+34 33 30.1	7.79	H	272.598 439 73	+34.558 364 12		3.32	3.34	20.16	0.58	0.57	0.72	0.59	0.65	+	8	−17	−10	−	1	+	8	−	8	+	7	−	6	+	6	+	8		0	0.28
89038	H 18 10 23.97	+00 32 36.2	7.94	H	272.599 854 32	+00.543 379 46	A	7.28	2.67	−6.24	1.49	1.09	1.54	1.32	1.04	−	3	−29	+	1	−10	+18	+17	+19	−12	−	2	−	6		0	−0.53
89039	18 10 24.10	+33 24 11.1	10.11	3 H	272.600 418 42	+33.403 082 41		4.31	15.82	9.77	0.95	1.05	1.29	1.10	1.40	+17	−12	−	8	+	2	−	5	−16	−	5	−	7	−14	+12		0	1.15
89040	18 10 25.97	−41 45 22.4	9.09	H	272.608 217 00	−41.756 215 06		9.68	−74.15	−85.19	1.29	0.81	1.40	1.65	0.90	−	2	−28	−	3	+21	+17	−12	+	4	−22	+12	−23		0	−1.09
89041	H 18 10 26.22	+32 21 10.1	8.12	H	272.609 252 88	+32.352 805 26	A	6.17	17.08	−0.58	0.96	0.96	1.19	1.12	1.10	+	6	−26	−	2	+	5	+	0	−18	+	4	+22	−	9	−	3	2	−0.17
89042	18 10 26.26	−62 00 10.0	5.47	G	272.609 414 53	−62.002 767 87		56.32	−77.60	234.68	0.51	0.42	0.68	0.59	0.44	+12	−26	−21	−23	−	9	+22	−	4	−	5	−	0	+22		0	1.04
89043	18 10 26.54	−24 26 12.0	9.87	H	272.610 580 64	−24.436 669 65		10.31	−0.98	−62.02	1.62	1.07	1.77	2.12	1.32	+	3	−24	+	3	−	3	+18	−	8	+12	−38	+13	−	2		0	−1.00
89044	H 18 10 27.17	−50 19 03.5	10.46	H	272.613 202 56	−50.317 651 63	A	0.76	10.93	−9.41	10.03	7.47	5.95	9.64	7.29	−33	−13	+	3	+29	−17	−	5	−23	−	7	+	8	−47		0	1.73
89045	18 10 27.32	+35 10 18.2	7.03	H	272.613 849 08	+35.171 725 51		11.29	−5.05	−27.94	0.54	0.52	0.69	0.65	0.60	+	7	−21	−21	−	7	+13	−19	+	5	−14	+18	+	2		1	0.78
89046	18 10 30.34	−23 33 59.9	8.35	G	272.626 424 72	−23.566 644 17		7.33	−4.11	−39.35	1.23	0.69	1.34	1.20	0.78	+15	−57	−25	+	7	+	3	+	0	−11	−36	+13	−16		0	0.31
89047	18 10 31.53	+54 17 09.4	5.97	H	272.631 384 18	+54.285 952 20		20.00	108.16	246.87	0.47	0.45	0.51	0.50	0.52	+	2	−10	−17	+17	+18	−16	+20	−12	+16	+14		1	0.90
89048	18 10 31.81	+65 22 50.2	7.72	H	272.632 544 99	+65.380 624 13		4.05	−54.89	16.68	0.62	0.55	0.62	0.65	0.60	+	4	−23	+	0	−13	+16	−	9	+16	−10	−	4	+27		1	2.01
89049	H 18 10 33.55	−26 01 58.4	7.57	H	272.639 797 40	−26.032 898 24	A	3.87	4.98	−7.95	1.56	1.30	1.45	1.75	1.06	−	5	−49	−15	−17	+29	−14	+17	−51	+	9	−24		3	−0.20
89050	18 10 33.95	−75 11 17.0	7.71	G	272.641 445 38	−75.188 060 60	A	2.12	10.88	−16.72	1.54	1.86	1.79	1.56	1.91	+	7	−14	−	4	−21	−15	−11	−15	+	0	+	8	−	3	11	2.76
*89051	18 10 34.45	−75 11 30.0	8.71	H	272.643 543 76	−75.191 677 11	B	2.54	8.06	−13.46	7.98	8.27	4.14	5.04	5.41	+10	−14	−	2	−20	−16	−	9	−17	+	0	+	4	+	5	11	2.76
*89052	18 10 34.38	+29 04 46.1	7.89	H	272.643 249 08	+29.079 485 83		3.62	−0.80	1.06	0.52	0.63	0.80	0.68	0.75	+	6	−	2	−	5	−	7	+10	−	9	+	8	+12	−	1	+12		0	0.52
89053	18 10 34.59	−50 20 51.2	10.29	G	272.644 132 12	−50.347 561 20		16.11	−111.49	−207.12	1.57	1.08	1.86	1.87	1.22	−18	−26	−	3	+25	−28	−	1	−26	−	1	+15	−	7		0	−1.42
89054	18 10 36.00	−52 35 27.2	9.34	H	272.650 015 76	−52.590 896 00		3.74	−1.34	6.76	1.32	0.88	1.50	1.57	0.86	+	0	−	6	−	2	+12	−44	−	5	−38	−12	+	0	+	0	4	−2.07
89055	18 10 36.01	+33 48 57.0	8.91	H	272.650 027 27	+33.815 834 47		2.04	18.71	11.70	0.73	0.76	0.93	0.83	0.93	+	5	−18	−	5	+	7	+	6	+	0	+	7	−	9	−	3	+	9		0	0.28
*89056	18 10 36.57	+18 17 19.3	7.95	H	272.652 368 17	+18.288 685 39		11.45	9.31	31.90	0.74	0.65	0.93	0.83	0.73	+	9	−13	+	4	+31	+35	−	4	+35	+32	−	1	−14		0	−2.87
*89057	18 10 36.55	−25 19 13.9	9.25	G	272.652 307 14	−25.320 528 38		−1.25	−1.01	−3.77	1.58	1.14	1.61	2.28	1.46	−38	−	5	−28	−20	+56	−21	+45	−57	+38	−45		0	0.21
89058	18 10 37.34	+21 01 40.5	7.64	H	272.655 581 61	+21.027 917 47		4.15	−0.26	2.70	0.56	0.59	0.79	0.60	0.65	+20	−	9	+	2	+55	+30	+	7	+31	+27	+	0	+23		0	4.07
89059	H 18 10 37.52	+07 38 07.4	7.44	H	272.656 334 84	+07.635 389 06	A	5.38	−2.73	8.75	1.16	1.12	1.21	1.13	1.11	+	8	−21	−18	−27	+	7	−10	+	1	−38	+21	+	3		2	1.11
89060	18 10 37.87	−16 49 28.3	7.89	G	272.657 784 13	−16.824 522 33		1.42	0.78	−0.72	0.99	0.63	1.20	1.16	0.72	+	5	−38	−38	+15	+21	−30	−11	−38	+35	−44		0	−0.41
89061	18 10 38.25	−19 10 00.8	9.03	H	272.659 373 45	−19.166 892 43		3.25	−3.56	−2.32	1.42	0.89	1.50	1.72	1.03	−25	−29	−17	−11	+42	−26	+32	−52	+16	−33		0	−1.30
89062	18 10 38.52	+59 09 59.4	9.34	H	272.660 499 50	+59.166 492 81		3.34	−21.48	33.73	0.76	0.58	0.78	0.81	0.73	+14	+	4	−	1	+22	+	6	+14	+	6	−21	−	2	+11		3	−0.54
*89063	18 10 39.77	−26 55 15.2	9.85	H	272.665 712 28	−26.920 897 96		7.39	−4.39	−17.41	1.90	1.34	2.34	2.42	1.40	+20	−41	−42	+	1	+36	−39	−	3	−63	+31	−28		0	1.70
*89064	18 10 39.76	−47 08 26.0	8.74	H	272.665 672 83	−47.140 554 71		1.63	2.88	−2.86	1.03	0.64	1.17	1.13	0.69	+10	−40	−	4	+	3	−50	+	3	−47	−19	+20	+19		0	0.27
89065	18 10 40.29	+03 19 27.4	5.50	H	272.667 869 91	+03.324 268 55		7.91	18.87	−5.34	0.68	0.50	0.74	0.82	0.60	−	1	−18	−13	+17	−	5	+	7	−	3	−	9	+15	+12		0	0.78
89066	18 10 41.72	−33 55 07.2	7.15	H	272.673 817 14	−33.918 680 49		5.61	−4.45	−29.29	0.94	0.58	0.97	1.28	0.70	+	0	−26	−	8	+23	+13	+	7	+12	−28	+13	+	8		0	−0.55
89067	18 10 41.82	+46 58 53.4	9.08	H	272.674 254 10	+46.981 486 74		5.05	−4.61	16.87	0.76	0.71	0.80	0.89	0.78	+	3	−14	+	0	+14	+11	−12	+	8	+21	+	8	+10		0	−0.11
89068	18 10 42.01	−02 58 12.5	8.18	H	272.675 032 01	−02.970 133 29		3.53	4.28	−8.82	0.90	0.66	1.05	1.01	0.73	−	5	−24	−24	−	4	+17	+24	+28	−17	−	5	+	5		0	1.68
89069	18 10 42.95	+05 58 46.0	9.21	H	272.678 956 20	+05.979 456 58		2.88	−1.54	−10.64	1.37	1.23	1.81	1.43	1.39	+32	−42	−55	−15	−	5	+18	+	4	−28	+14	+24		0	1.82
89070	18 10 43.87	+18 30 15.7	7.33	1 H	272.682 774 03	+18.504 367 82		7.34	−0.28	9.92	0.66	0.56	0.86	0.75	0.61	+	5	−17	−11	+33	+42	−12	+37	+16	−13	−16		0	0.41
89071	18 10 44.15	−22 14 22.9	7.78	G	272.683 937 66	−22.239 705 57		−0.05	1.62	−4.97	1.03	0.64	1.12	1.09	0.73	+18	−45	−22	+15	+	7	−	5	−11	−33	+19	−13		0	−0.09
89072	18 10 44.30	+22 53 45.6	8.41	H	272.684 570 13	+22.895 989 19		4.41	−3.90	−12.49	0.53	0.74	1.10	0.61	0.91	+13	−13	−18	+	7	+10	+	3	+10	+	8	+10	+15		0	0.06
89073	18 10 45.17	+53 17 25.2	9.06	H	272.688 196 29	+53.290 330 71		1.30	4.92	−15.43	0.68	0.68	0.73	0.74	0.89	−	4	−10	−	7	+12	+	6	+	1	+	7	+	8	+	6	−	3	3	−0.15
89074	18 10 45.19	+53 30 01.2	8.33	G	272.688 272 67	+53.500 328 70		4.35	−4.63	22.09	0.59	0.56	0.62	0.61	0.71	−	1	−12	−	7	+13	+	7	+	1	+	8	+10	+	3	+	5		0	0.23
89075	18 10 45.87	+61 11 05.0	8.19	H	272.691 145 58	+61.184 723 75		3.12	−2.30	−12.05	0.67	0.46	0.64	0.75	0.65	+18	−	8	−	3	+	5	−	1	+	2	+	2	−28	−12	+20		1	−1.47
89076	H 18 10 46.22	−35 28 40.9	8.98	H	272.692 596 57	−35.478 031 32	*	9.12	12.80	−15.51	2.42	1.78	1.72	2.32	1.29	−10	−	4	−10	−	4	+	7	−12	+	2	−47	+14	−29		1	−1.16
89077	18 10 46.45	+20 39 20.4	8.69	H	272.693 538 28	+20.655 663 64		1.74	20.19	−2.52	0.82	0.84	1.16	0.90	0.99	+	8	−22	+11	+35	+33	+11	+37	+14	−18	+13		0	−0.05
89078	18 10 46.57	+19 31 40.9	9.54	H	272.694 051 82	+19.528 022 43		−0.04	1.39	−2.20	0.94	0.99	1.45	0.97	1.20	+	1	+	4	+16	+24	+44	+	7	+47	+	7	+	9	−12		0	0.41
89079	18 10 47.60	−12 59 28.5	9.72	H	272.698 337 21	−12.991 254 45		3.40	−23.87	7.67	1.37	0.87	1.45	1.52	0.99	−	7	−30	−10	+15	+17	−	5	+	7	−23	+10	−26		0	−0.81
89080	18 10 47.89	−35 18 31.7	9.06	H	272.699 522 61	−35.308 799 74		7.10	13.27	−30.14	1.23	0.81	1.38	1.68	0.92	−	3	−22	−23	+14	+10	−20	−	7	−38	+24	−29		0	−0.14
89081	18 10 49.90	+04 26 03.3	7.40	H	272.707 928 02	+04.434 248 56		7.51	−4.97	−18.52	0.82	0.62	0.89	0.95	0.73	+	6	−13	−25	−32	−13	+	6	−11	−33	+	0	+18		0	−0.13
89082	18 10 50.01	+44 35 54.0	6.82	H	272.708 358 94	+44.598 333 52		2.82	2.29	−16.72	0.50	0.49	0.55	0.54	0.61	+	4	−10	−15	−16	−	4	−	4	+	2	+28	−10	−12		0	0.23
89083	18 10 52.59	+57 15 30.3	9.14	2 H	272.719 135 43	+57.258 424 80		2.25	−2.60	13.46	0.77	0.61	0.80	0.80	0.82	+15	−	2	−	7	+	6	+	1	+	8	+	3	−19	+	7	+18		0	−0.44
89084	18 10 54.33	−23 41 34.5	9.82	H	272.726 387 24	−23.692 913 18		0.45	2.12	−3.67	1.75	1.05	1.86	2.03	1.26	+20	−43	−12	+10	−	5	−	4	−	9	−32	+	5	+11		0	−0.21
89085	18 10 54.48	+38 57 41.2	7.79	H	272.727 012 46	+38.961 448 16		2.99	0.35	8.19	0.52	0.49	0.61	0.57	0.59	+	1	−22	+	0	+21	+	9	−19	+	7	+	7	+12	+	7	0		0	−0.01
89086	18 10 55.35	−33 48 00.2	6.13	G	272.730 609 93	−33.800 068 16		−0.31	1.13	−0.73	0.86	0.52	0.88	1.20	0.64	+	2	−22	−	6	+28	+14	+13	+13	−25	+16	+11		0	−0.30
89087	18 10 56.28	+49 58 18.0	10.00	H	272.734 483 75	+49.971 653 92		37.34	−5.67	−228.06	1.00	1.03	1.12	1.18	1.35	+	1	−14	−21	−	2	−	1	+	0	+	1	+24	−23	+	1	0		−1.48
89088	18 10 56.48	−28 04 16.4	8.88	H	272.735 322 04	−28.071 228 96		−0.12	7.62	−3.58	1.23	0.75	1.31	1.51	0.88	+30	−44	−30	+27	+	9	−16	−	4	−34	+17	+16		3	0.22
89089	18 10 56.92	−51 59 21.4	8.78	H	272.737 175 92	−51.989 264 95		2.98	−0.58	−11.99	0.99	0.70	1.24	1.25	0.76	−	8	−	4	−10	+19	−29	+14	−23	−	4	+	8	+	6		0	0.52
89090	18 10 58.08	+31 15 05.2	7.92	H	272.741 997 01	+31.251 449 83		1.34	2.21	23.49	0.53	0.59	0.74	0.57	0.69	+	4	−15	−	5	+	4	+	9	−10	+	9	−	1	+	3	+	5	0		−1.61
89091	18 10 58.33	+08 25 21.1	9.62	H	272.743 046 99	+08.422 526 68		3.03	−1.02	−17.38	1.30	1.20	1.59	1.49	1.54	−	7	−20	−	6	−34	+	0	+	9	+	7	−36	−18	+29		5	1.46
89092	H 18 10 59.34	+50 37 57.1	9.14	H	272.747 255 72	+50.632 535 17	A	5.30	−11.28	8.76	2.14	2.00	1.36	1.49	1.59	−39	−21	+	1	−12	+	9	−11	+	9	+16	−20	+	3		1	−0.01
89093	18 11 01.35	+51 44 23.6	7.26	1 H	272.755 604 37	+51.739 883 17		5.32	−7.78	18.56	0.59	0.54	0.60	0.78	0.73	−	2	+	5	−15	+	3	−	6	+12	−	3	+30	−10	−	8	0		0.08
89094	18 11 03.18	−48 16 06.6	8.53	H	272.763 241 46	−48.268 498 57		3.99	−4.45	−8.61	1.01	0.65	1.15	1.18	0.67	−20	−21	+	6	+35

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data										Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
89001	10.260	0.033	9.112	0.021		0.986	0.030	T	0.97	0.02	L	9.2116	0.0025	0.018	71		9.18	9.24		C			1							
89002	8.049	0.005	7.620	0.006		0.430	0.003	G	0.50	0.00	H	7.6641	0.0009	0.013	217		7.64	7.69		C			1							S
89003	11.176	0.076	10.335	0.059	B	0.756	0.073	T	0.80	0.05	L	10.6170	0.0409			B				D	18099+4824	I 2	1 C I A							
89004	10.158	0.020	8.383	0.008		1.479	0.017	T	1.50	0.03	L	8.3576	0.0018	0.019	218		8.33	8.39					1							
89005	9.832	0.025	8.731	0.016		0.942	0.023	T	0.99	0.03	L	8.7458	0.0023	0.021	99		8.70	8.77		U			1							
89006	8.428	0.012	6.560	0.006		1.553	0.011	T	1.57	0.01	L	6.5035	0.0013	0.010	74		6.49	6.52			18099−5902	I 1	1							S
89007	9.118	0.022	9.184	0.032		−0.055	0.007	G	−0.03	0.01	H	9.1514	0.0027	0.019	71		9.10	9.19			18100−3452	I 1	1							
89008	6.746	0.005	5.667	0.004		0.915	0.005	G	0.91	0.00	H	5.7328	0.0005	0.005	113		5.72	5.74					1							S
89009	9.321	0.014	8.263	0.010		0.918	0.013	T	0.92	0.01	L	8.3008	0.0012	0.014	136		8.28	8.33					1							
89010	7.706	0.010	6.522	0.005		1.025	0.004	G	1.04	0.07	F	6.5560	0.0009	0.006	68		6.55	6.57					1 G							S
89011	8.849	0.012	8.326	0.011		0.491	0.015	T	0.56	0.02	L	8.3695	0.0015	0.013	96		8.34	8.39		C			1							S
89012	9.601	0.021	8.446	0.014		0.992	0.020	T	0.97	0.02	L	8.5100	0.0016	0.016	89		8.49	8.54		C			1							
89013						1.830	0.510	G	1.81	0.52	J	10.9321	0.0607	0.317	67		10.55	11.36	5.30	P 1 A			1							G
89014	8.451	0.009	7.923	0.008		0.504	0.009	T	0.58	0.01	L	7.9879	0.0012	0.013	138		7.97	8.01		C			1							S
89015	9.176	0.017	8.660	0.017		0.485	0.022	T	0.56	0.02	L	8.6711	0.0036	0.021	68		8.64	8.71					1 S							
89016	7.810	0.009	7.678	0.013		0.120	0.015	T	0.13	0.01	L	7.7033	0.0014	0.010	67		7.69	7.72		C			1							S
89017	9.049	0.014	7.535	0.008		1.273	0.013	T	1.23	0.01	L	7.5600	0.0013	0.011	107		7.54	7.59					1							S
89018						1.500	0.510	G	1.63	0.54	K	12.0413	0.1675	0.824	76		11.03	12.99	173.90	P 1 A			1 V							D
89019						0.628	0.020	G	0.70	0.02	H	11.6034	0.0048	0.055	159		11.51	11.68					1							G
89020	6.998	0.021	5.734	0.008	A	0.979	0.002	G	0.98	0.03	C *	5.6792	0.0008	0.008	87	*	5.67	5.69		D	18101−3044	I 1	2 C A	AB	352	4.066	0.007	2.18	0.02	S
89021	9.712	0.016	8.183	0.009		1.285	0.014	T	1.24	0.01	L	8.1963	0.0015	0.019	160		8.17	8.24					1							
89022	7.456	0.006	7.491	0.010		−0.027	0.001	G	−0.01	0.00	H	7.4892	0.0012	0.011	122		7.47	7.51		C			1							S
89023	6.868	0.010	6.247	0.009	*	0.574	0.010	T	0.65	0.01	L *	6.2163	0.0006	0.006	170	*	6.21	6.23		D	18101+1629	I 1	2 C A	AB	221	1.217	0.007	0.43	0.01	S
89024	8.771	0.014	8.308	0.014		0.450	0.016	T	0.52	0.02	L	8.3733	0.0014	0.015	77		8.35	8.40		C			1							
89025	10.007	0.029	8.378	0.014		1.363	0.025	T	1.33	0.03	L	8.3732	0.0022	0.014	82		8.35	8.40					1							
89026	7.288	0.006	7.411	0.007		−0.107	0.008	T	−0.09	0.01	L	7.3941	0.0014	0.010	112		7.38	7.41					1							S
89027	9.142	0.019	8.558	0.018		0.547	0.019	T	0.62	0.02	L	8.6502	0.0018	0.017	80		8.62	8.68		C			1							
89028	8.739	0.012	8.378	0.013		0.359	0.015	G	0.42	0.02	H	8.4375	0.0012	0.010	91		8.42	8.46		C			1							S
89029	9.223	0.020	8.666	0.019		0.551	0.013	G	0.62	0.01	H	8.6987	0.0020	0.014	66		8.67	8.72		C			1							
89030	9.550	0.021	8.858	0.018	*	0.626	0.021	T	0.69	0.02	L *	8.9970	0.0024	0.029	146	*	8.95	9.05		D	18102−7859	I 1	2 C A	AB	118	8.907	0.006	0.33	0.02	S
89031	9.115	0.020	7.996	0.014		0.964	0.019	T	0.95	0.01	L	8.0613	0.0017	0.014	62		8.05	8.09		C			1							
89032	10.171	0.046	9.614	0.049		0.527	0.050	T	0.60	0.05	L	9.6027	0.0028	0.016	67		9.57	9.63		C			1							G
89033	8.351	0.009	8.141	0.010		0.180	0.015	G	0.20	0.02	H	8.1912	0.0015	0.014	134		8.16	8.22		C			1							S
89034	9.880	0.022	9.369	0.021		0.480	0.028	T	0.55	0.03	L	9.4023	0.0026	0.023	138		9.36	9.45					1							
89035	9.469	0.029	7.954	0.016		1.274	0.026	T	1.23	0.03	L	7.9644	0.0014	0.009	62		7.95	7.98		C			1							
89036	9.663	0.032	8.933	0.029		0.655	0.033	T	0.72	0.03	L	8.9565	0.0016	0.010	70		8.93	8.97		C			1							
89037	9.593	0.017	7.938	0.009		1.384	0.015	T	1.36	0.02	L	7.9407	0.0016	0.014	120		7.92	7.96					1							
89038	8.204	0.012	8.061	0.014	A	0.300	0.495	G	0.13	0.04	L *	7.9797	0.0019	0.013	59	*	7.95	8.00		D	18104+0033	I 1	2 C A	AB	314	3.050	0.010	2.15	0.04	S
89039	11.202	0.057	10.245	0.039		0.842	0.051	T	0.86	0.04	L	10.2609	0.0067	0.074	123		10.18	10.46		P 1 A			1							G
89040	10.423	0.042	9.179	0.024		1.061	0.038	T	1.12	0.06	L	9.2218	0.0030	0.020	68		9.20	9.27		C			1							
89041	8.407	0.010	8.197	0.011	A	0.100	0.495	G	0.18	0.03	L *	8.1729	0.0018	0.018	122	*	8.15	8.21		D	18104+3221	I 1	2 C A	AB	216	3.167	0.016	2.87	0.08	S
89042	6.196	0.003	5.542	0.002		0.592	0.007	G	0.65	0.02	A	5.5927	0.0007	0.007	149		5.58	5.61					1 G							S
89043	10.640	0.055	9.997	0.052		0.597	0.065	T	0.67	0.06	L	9.9966	0.0033	0.028	69		9.95	10.05		C			1							G
89044	11.103	0.071	10.752	0.094	*	0.371	0.107	G	0.43	0.12	R *	10.5451	0.0058	0.042	86	*	10.49	10.62		D	18105−5019	I 1	2 C A	AB	140	0.571	0.017	0.38	0.04	G
89045	7.589	0.007	7.079	0.006		0.495	0.004	G	0.57	0.00	H	7.1415	0.0010	0.008	125		7.12	7.16		C			1							S
89046	9.000	0.018	8.435	0.017		0.545	0.015	G	0.62	0.01	H	8.4691	0.0021	0.016	73		8.44	8.49		C			1							
89047	7.180	0.005	6.074	0.004		0.943	0.002	G	0.93	0.00	H	6.1356	0.0007	0.007	110		6.12	6.15					1							S
89048	9.055	0.014	7.836	0.009		1.042	0.013	T	1.01	0.01	L	7.8864	0.0015	0.014	104		7.87	7.91		C			1							S
89049	8.102	0.013	7.641	0.013	*	0.448	0.014	T	0.52	0.01	L *	7.6706	0.0019	0.012	67	*	7.66	7.69		C	18106−2602	H 1	2 C C	AB	167	0.578	0.037	4.02	0.20	S
89050	7.624	0.007	7.652	0.008	A	0.016	0.015	G	0.04	0.01	H	7.6887	0.0095	0.083	181	A	7.63	7.86		D	18106−7511	I 2	1 C P A							S
89051	8.831	0.012	8.718	0.015	B	0.102	0.017	T	0.12	0.02	L	8.8326	0.0225			B				D	18106−7511	I 2	1 C I A							
89052	9.080	0.010	8.006	0.007		0.930	0.009	T	0.92	0.01	L	8.0533	0.0011	0.015	150		8.03	8.08					1							
89053	11.296	0.095	10.491	0.076		0.844	0.005	G	0.89	0.01	H	10.4482	0.0031	0.033	92		10.39	10.51					1							G
89054	9.698	0.023	9.372	0.025		0.313	0.037	T	0.36	0.05	L	9.4127	0.0042	0.025	81		9.38	9.46					1							
89055	10.937	0.043	9.096	0.016		1.563	0.038	T	1.85	0.11	O	9.0043	0.0021	0.020	123		8.97	9.04					1							
89056	8.387	0.009	7.983	0.010		0.382	0.012	T	0.45	0.01	L	8.0381	0.0011	0.016	137		8.01	8.06					1							S
89057	9.398	0.021	9.288	0.028		0.135	0.020	G	0.15	0.02	H	9.2882	0.0016	0.017	74		9.26	9.33		D			1							
89058	7.577	0.005	7.633	0.008		−0.046	0.009	T	−0.02	0.01	L	7.6356	0.0015	0.015	132		7.61	7.66					1							
89059	8.956	0.015	7.601	0.009	*	1.148	0.013	T	1.11	0.01	L *	7.6117	0.0012	0.014	79	*	7.58	7.63		D	18106+0738	H 1	2 C A	AB	241	0.930	0.025	3.33	0.14	S
89060	8.103	0.009	7.920	0.012		0.206	0.003	G	0.23	0.00	H	7.9388	0.0014	0.013	81		7.92	7.96					1							S
89061	9.260	0.018	9.081	0.022		0.200	0.015	G	0.22	0.02	H	9.0983	0.0026	0.020	75		9.06	9.13		C			1							
89062	9.727	0.023	9.376	0.025		0.333	0.032	T	0.39	0.04	L	9.4140	0.0034	0.027	113		9.38	9.46					1							
89063	10.708	0.076	10.099	0.079		0.587	0.071	G	0.66	0.07	R	9.9763	0.0039	0.026	62		9.93	10.03					1 S							G
89064	9.719	0.019	8.839	0.015		0.785	0.018	T	0.82	0.01	L	8.8866	0.0020	0.016	104		8.86	8.91					1							
89065	7.057	0.006	5.629	0.004		1.204	0.001	G	1.16	0.00	H	5.6622	0.0008	0.006	62		5.65	5.67		C			1							S
89066	8.720	0.014	7.286	0.009		1.193	0.005	G	1.15	0.01	H	7.3152	0.0008	0.008	77		7.30	7.33		D			1							S
89067	9.706	0.021	9.136	0.020		0.490	0.015	G	0.56	0.02	H	9.1890	0.0017	0.015	111		9.16	9.21					1							
89068	8.415	0.011	8.214	0.013		0.192	0.016	T	0.21	0.02	L	8.2471	0.0015	0.013	69		8.23	8.28		C			1							S
89069	10.767	0.067	9.367	0.032		1.181	0.060	T	1.14	0.05	L	9.3418	0.0030	0.019	51		9.31	9.39					1							
89070	7.611	0.006	7.346	0.005		0.252	0.007	T	0.28	0.01	L	7.3968	0.0018	0.017	134		7.37	7.42		M			1							S
89071	9.251	0.018	7.930	0.011		1.230	0.015	G	1.19	0.01	H	7.9301	0.0019	0.010	84		7.91	7.95		C			1							S
89072	8.483	0.008	8.419	0.010		0.064	0.012	T	0.07	0.01	L	8.4395	0.0015	0.017	153		8.41	8.46		C			1							
89073	10.701	0.037	9.205	0.018		1.259	0.032	T	1.22	0.03	L	9.2135	0.0023	0.018	129		9.19	9.25					1							
89074	8.466	0.009	8.324	0.011		0.120	0.015	G	0.13	0.01	H	8.3735	0.0018	0.013	118		8.35	8.40		C			1							S
89075	9.367	0.019	8.293	0.013		0.930	0.018	T	0.92	0.01	L	8.3548	0.0017	0.015	97		8.34	8.38		C			1							
89076	9.881	0.030	9.123	0.026	*	0.676	0.030	T	0.74	0.03	L *	9.1206	0.0024	0.020	78	*	9.09	9.15		D	18108−3529	I 1	2 C A	AS	345	0.234	0.005	0.01	0.10	
89077	9.901	0.022	8.810	0.015		0.943	0.020	T	0.93	0.01	L	8.8484	0.0027	0.021	119		8.80	8.89		C			1 S							
89078	9.477	0.016	9.512	0.023		−0.027	0.026	T	−0.01	0.03	L	9.5400	0.0026	0.025	131		9.50	9.59		C			1							
89079	11.753	0.141	10.012	0.048		1.452	0.118	T	1.45	0.19	L	9.8578	0.0047	0.024	70		9.82	9.90					1							G
89080	9.594	0.025	9.173	0.026		0.411	0.029	T	0.48	0.03	L	9.1568	0.0034	0.018	75		9.12	9.19		C			1							
89081	8.752	0.016	7.533	0.010		1.042	0.015	T	1.01	0.01	L	7.5679	0.0017	0.011	66		7.55	7.59		C			1							S
89082	8.078	0.007	6.924	0.005		0.991	0.007	T	0.97	0.01	L	6.9887	0.0010	0.008	128		6.97	7.00		C			1							S
89083	11.200	0.060	9.403	0.021		1.527	0.052	T	2.67	0.07	O	9.1401	0.0106	0.070	114		9.02	9.26		U 2			1 S							
89084	10.987	0.087	9.891	0.051		0.947	0.077	T	0.94	0.06	L	9.9861	0.0040	0.027	64		9.94	10.02					1 S							G
89085	7.935	0.006	7.803	0.009		0.120	0.015	G	0.13	0.01	H	7.8319	0.0011	0.011	136		7.81	7.85					1							S
89086	5.951	0.004	6.111	0.006		−0.137	0.004	G	−0.13	0.01	H	6.0910	0.0006	0.006	73		6.08	6.10		C			1							S
89087	11.628	0.096	10.137	0.037		1.270	0.020	G	1.44	0.03	I	10.1089	0.0031	0.023	96		10.06	10.14		C			1							
89088	9.907	0.047	8.989	0.036		0.799	0.046	T	0.83	0.03	L	9.0179	0.0021	0.015	77		8.99	9.04		C			1 S							
89089	10.025	0.030	8.898	0.020		0.970	0.028	T	0.95	0.02	L	8.9471	0.0016	0.014	76		8.93	8.97		C			1							
89090	9.758	0.018	8.053	0.009		1.423	0.016	T	1.41	0.03	L	8.0566	0.0013	0.016	149		8.03	8.08					1							
89091	10.950	0.072	9.782	0.044		1.002	0.066	T	0.98	0.05	L	9.7845	0.0030	0.017	56		9.77	9.82		C			1 S							G
89092	9.764	0.021	9.200	0.020	*	0.528	0.026	T	0.60	0.03	L *	9.2498	0.0027	0.020	101	*	9.22	9.28		D	18110+5038	H 1	2 C A	AB	309	0.361	0.017	2.11	0.11	
89093	8.496	0.012	7.361	0.008		0.976	0.011	T	0.96	0.01	L	7.4226	0.0017	0.014	87		7.40	7.44		M			1							S
89094	9.842	0.023	8.661	0.015		1.012	0.021	T	0.99	0.02	L	8.6957	0.0015	0.015	107		8.67	8.72		C			1							
89095	8.215	0.008	7.217	0.005		0.890	0.015	G	0.84	0.03	C	7.2855	0.0011	0.010	146		7.27	7.30		C			1							S
89096	7.597	0.007	6.209	0.004		1.193	0.006	G	1.15	0.01	H	6.2370	0.0006	0.006	121		6.23	6.25		D	18111−4731	I 1	1							S
89097	8.540	0.016	6.837	0.008		1.422	0.014	T	1.41	0.02	L	6.8056	0.0011	0.010	73		6.79	6.82		D			1							S
89098	8.544	0.010	8.488	0.013		0.056	0.015	T	0.07	0.01	L	8.5297	0.0013	0.017	121		8.50	8.56					1							
89099	6.206	0.003	5.887	0.005		0.295	0.008	G	0.34	0.01	H	5.9320	0.0011	0.010	72		5.92	5.96		U 2			1							S
89100	12.183	0.141	10.682	0.060		1.010	0.020	G	1.05	0.02	I	10.6576	0.0040	0.034	128		10.59	10.71		C			1							G

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%) δ α*	π α*	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
*89101	18 11 06.45	−37 53 36.6	9.27	H	272.776 861 80	−37.893 506 94	7.77	−9.62	−63.33	1.31	0.95	1.46	1.98	1.17	+26	−12	−16	− 8	−19	−16	−24	−54	+21	+14	0	−1.06
*89102	18 11 06.37	+50 47 33.1	8.95	G	272.776 526 66	+50.792 522 14	3.02	−61.58	−76.36	0.71	0.72	0.78	0.92	0.92	− 2	−11	−10	−10	+ 7	−12	+ 6	+23	−16	+ 1	0	−0.22
89103	18 11 07.13	−64 30 59.9	8.65	H	272.779 725 18	−64.516 625 17	2.01	12.82	−1.84	0.60	0.62	1.02	0.89	0.75	− 4	− 4	+ 3	+ 7	+ 0	+12	+ 4	−13	+ 0	+20	1	0.85
89104	18 11 07.16	+60 24 34.3	6.50	H	272.779 840 68	+60.409 521 38	7.11	−6.36	4.43	0.50	0.38	0.50	0.65	0.52	+18	+ 2	− 1	+ 5	− 3	− 2	+ 0	−26	− 7	+26	0	−0.70
89105	18 11 07.26	−32 59 26.4	8.90	H	272.780 263 38	−32.990 669 46	13.16	−11.43	−117.22	1.83	0.98	1.51	2.00	1.19	+ 6	−32	+ 4	+21	+12	− 0	+11	−46	+ 7	+ 5	5	−0.09
89106 H	18 11 10.68	−17 23 00.7	8.61	H	272.794 501 28	−17.383 518 57 A	−0.05	1.48	1.06	4.21	2.23	3.21	3.34	1.91	+53	−18	−25	− 8	− 3	−41	−20	−52	+36	− 8	1	0.69
89107	18 11 10.69	−15 53 41.6	8.06	1 H	272.794 558 14	−15.894 876 87	4.74	2.26	−11.02	1.11	0.60	1.18	1.16	0.70	− 6	−49	−18	+20	+10	−14	− 7	−26	+10	−42	0	−0.28
89108	18 11 11.93	−44 17 57.7	8.91	1 H	272.799 697 75	−44.299 348 94 A	6.61	15.66	31.33	1.80	1.12	2.01	2.36	1.23	+12	−34	+ 5	+ 1	−63	+ 3	−47	−28	+20	+57	1	2.00
89109	18 11 12.14	+01 58 54.9	7.76	H	272.800 566 05	+01.981 921 58	4.58	−18.35	−42.22	0.94	0.75	1.01	0.88	0.74	+18	−14	−19	−41	−13	− 8	−16	−43	+ 6	+26	0	0.37
89110 H	18 11 13.01	+39 06 02.0	7.02	H	272.804 193 06	+39.100 559 12 A	5.34	−3.07	0.74	0.66	0.65	0.70	0.66	0.68	− 2	−15	+ 4	+12	− 2	− 9	− 5	+ 3	+23	− 9	2	0.12
89111 H	18 11 13.23	−16 42 14.1	8.33	G	272.805 123 03	−16.703 906 50 A	0.54	0.42	0.18	1.83	1.13	1.91	1.98	1.13	+36	−44	−25	+ 8	− 1	−25	−29	−52	+27	− 6	1	−0.49
89112	18 11 13.78	−45 57 15.6	4.52	H	272.807 400 93	−45.954 327 04	7.98	−16.28	−37.26	0.64	0.42	0.76	0.83	0.49	− 3	−20	− 5	+16	−37	− 9	−34	− 8	+20	+ 8	0	1.32
*89113 H	18 11 15.22	+69 14 59.5	8.33	H	272.813 421 76	+69.249 864 50 A	6.85	10.65	26.79	2.31	2.41	1.90	2.29	2.71	+12	−25	− 6	−14	−19	− 6	−19	+13	− 7	+25	0	1.14
*89114 H	18 11 14.79	−19 50 30.8	6.33	G	272.811 612 73	−19.841 882 62 A	8.94	−3.75	−30.85	2.83	2.08	2.79	3.48	2.15	+40	− 1	−24	−23	+26	−37	+20	−39	+35	−58	1	−0.75
89115	18 11 15.76	−75 53 26.9	5.86	H	272.815 674 36	−75.890 794 31	12.88	16.71	−294.43	0.39	0.47	0.58	0.52	0.51	− 3	−18	− 7	+ 9	−12	+ 7	−11	−15	−22	−29	2	0.60
89116	18 11 15.84	−29 38 22.4	7.61	H	272.815 997 13	−29.639 558 28	7.05	−2.74	−20.54	0.95	0.62	1.02	1.05	0.65	+17	−26	+ 0	−12	−22	+ 1	−17	−46	−17	+12	0	1.15
89117	18 11 16.43	−00 39 32.3	7.46	G	272.818 455 51	−00.658 985 89	6.10	−6.88	−40.12	0.87	0.61	0.97	0.90	0.71	−13	−43	+ 2	+ 1	− 6	+13	− 2	− 2	− 9	−17	0	1.82
89118	18 11 16.80	−60 21 35.6	9.49	H	272.820 000 02	−60.359 894 55	4.58	−19.77	−15.96	1.16	0.91	1.32	1.47	1.10	−18	−23	− 2	− 3	−16	− 2	−15	− 1	+ 3	−29	0	−2.29
89119	18 11 16.93	−49 58 28.1	8.59	H	272.820 531 11	−49.974 467 85	1.08	−1.76	−4.14	0.98	0.69	1.19	1.16	0.78	−12	−23	−11	+32	−16	− 1	−18	+ 0	+18	−11	0	0.22
89120	18 11 18.97	+21 46 33.8	11.00	H	272.829 060 18	+21.776 054 96	1.11	3.84	1.62	1.09	1.60	2.31	1.23	1.77	+22	−16	+ 0	+32	+16	+11	+15	+ 2	+19	+33	0	0.10
89121	18 11 20.52	−40 18 25.4	8.18	2 H	272.835 507 27	−40.307 049 78	1.31	−2.82	−3.70	0.96	0.64	1.09	1.16	0.70	+ 6	−38	−30	+14	+18	−20	−11	−40	+28	−41	0	1.08
89122 H	18 11 20.99	+25 19 18.6	8.14	H	272.837 442 21	+25.321 830 19 A	2.75	4.60	5.14	1.25	1.37	1.78	1.37	1.46	+ 6	−15	−10	− 1	+ 5	− 4	+ 4	− 9	− 6	+ 4	2	1.46
89123 H	18 11 21.52	−36 15 13.9	9.56	H	272.839 668 01	−36.253 870 51 A	0.16	−2.13	−7.97	3.68	5.81	2.41	3.39	1.76	+37	−25	− 7	+13	−12	−33	−38	−30	+17	+ 4	1	0.86
89124	18 11 22.49	−30 21 28.4	9.91	H	272.843 696 73	−30.357 881 41	3.40	−8.11	0.82	1.58	1.06	1.68	1.97	1.18	+ 5	−33	− 6	− 9	+13	− 2	+13	−49	− 4	+11	5	1.54
89125	18 11 22.56	−54 15 07.3	9.09	H	272.843 982 25	−54.252 032 43	0.51	6.68	−1.49	1.22	0.83	1.45	1.42	0.97	−23	−33	+10	+22	−21	+ 7	−22	+13	+19	+ 4	0	1.49
89126	18 11 23.66	+29 54 32.9	7.38	1 H	272.848 599 86	+29.909 141 00	5.02	−1.90	−30.00	0.53	0.57	0.76	0.65	0.66	− 1	− 9	−13	− 3	+10	−12	+ 8	+ 9	+ 2	− 4	1	−0.88
89127	18 11 23.73	−33 19 36.8	7.58	H	272.848 891 97	−33.326 893 06	7.17	18.60	−63.24	1.01	0.63	1.05	1.43	0.80	+10	−23	− 4	+27	+19	+ 8	+14	−22	+16	+11	0	−0.71
89128	18 11 23.81	+11 31 43.5	8.40	H	272.849 220 49	+11.528 754 11	15.48	−24.70	−16.24	0.75	0.70	1.11	0.99	0.89	+11	−27	−17	+17	+35	− 7	+32	+21	− 3	+22	0	−1.63
89129	18 11 24.31	−20 42 45.0	8.68	2 H	272.851 296 01	−20.712 497 65	−0.40	0.03	− 1.51	1.12	0.73	1.26	1.42	0.85	− 5	−14	−19	− 5	+ 6	−26	− 5	−43	+18	−22	0	0.84
89130	18 11 24.53	+29 40 13.4	7.63	H	272.852 209 82	+29.670 392 51	5.53	9.01	−8.51	0.50	0.59	0.74	0.65	0.72	+ 3	− 1	−11	− 4	+ 9	− 7	+ 9	+19	+ 1	+ 1	0	−0.48
89131	18 11 24.81	−38 11 46.4	8.77	H	272.853 375 54	−38.196 227 77	6.34	−7.44	−46.64	1.23	0.87	1.42	1.75	0.96	+35	−19	− 7	− 6	−15	−41	−29	−56	+14	+ 8	0	−0.71
89132	18 11 25.19	+20 57 08.8	9.29	2 H	272.854 945 71	+20.952 439 14	0.81	−4.53	− 6.29	0.89	1.02	1.43	0.92	1.06	+ 6	−19	+ 8	+41	+21	− 3	+23	+19	− 5	+16	0	0.84
89133	18 11 26.94	−05 12 18.0	6.74	H	272.862 232 49	−05.204 995 74	5.96	2.36	− 2.65	0.74	0.48	0.84	0.62	0.49	+ 0	−48	− 8	−14	−11	+11	−11	−20	− 1	−21	0	−0.27
89134	18 11 26.94	+30 07 31.8	8.65	H	272.862 261 14	+30.125 496 20	9.11	−3.12	26.65	0.64	0.76	0.97	0.73	0.88	+ 0	−14	− 9	+ 0	+13	+ 1	+14	+10	− 3	− 3	0	−1.90
89135	18 11 27.90	−44 35 09.9	8.15	H	272.866 231 70	−44.586 075 08	2.76	2.33	− 2.24	0.86	0.56	1.04	1.06	0.61	−14	−16	+ 9	+23	−55	− 1	−49	+12	+10	+18	0	−0.54
89136	18 11 28.07	−11 18 33.8	7.39	H	272.866 974 41	−11.309 386 84	7.26	−20.45	− 8.25	1.06	0.67	1.09	1.30	0.76	−30	+ 4	−34	−48	+39	−40	+29	−56	+29	−58	0	−0.62
89137	18 11 30.86	+02 09 56.3	8.29	H	272.878 598 00	+02.165 638 68	3.80	2.95	− 3.93	0.89	0.71	1.00	0.84	0.72	+15	−31	−19	−17	−13	+10	−11	−25	+ 1	+ 9	0	0.18
89138	18 11 31.57	+60 36 43.3	7.69	G	272.881 538 18	+60.612 029 29	6.68	−24.34	37.05	0.62	0.44	0.60	0.75	0.61	+19	− 1	+ 3	+10	− 1	+ 0	− 1	−23	− 8	+20	0	−0.85
89139	18 11 31.98	+25 33 40.2	6.78	H	272.883 265 81	+25.561 157 12	7.31	−6.20	14.80	0.41	0.50	0.69	0.51	0.58	+ 1	−15	+ 5	+12	+ 8	+ 0	+ 8	+ 8	− 4	+ 5	1	0.96
89140	18 11 32.37	+74 23 29.3	8.48	H	272.884 859 59	+74.391 465 46	3.74	7.15	9.13	0.70	0.65	0.69	0.63	0.68	+22	−20	− 8	−12	+ 4	− 4	+ 4	−11	+ 2	+25	0	0.33
89141	18 11 33.71	+18 19 26.6	8.39	H	272.890 453 58	+18.324 067 47	3.77	−2.54	− 7.45	0.81	0.69	1.03	0.90	0.75	+ 1	−21	− 2	+32	+39	− 9	+36	+18	−11	−15	0	0.08
89142	18 11 34.24	+47 39 34.4	8.03	2 H	272.892 682 82	+47.659 569 14	1.61	1.26	5.74	0.60	0.55	0.64	0.66	0.64	+ 8	− 7	−18	− 2	+ 4	+ 8	+ 9	+20	−14	− 1	0	1.10
89143	18 11 35.17	+48 17 22.7	6.65	H	272.896 551 38	+48.289 640 11	7.47	−13.64	−54.69	0.49	0.48	0.52	0.57	0.59	+ 0	− 9	−12	−11	+ 2	+ 7	+ 5	+30	−15	− 6	1	−0.73
89144	18 11 38.11	+32 10 40.4	11.10	G	272.908 773 40	+32.177 876 41	9.40	−97.14	−206.85	1.36	1.39	1.83	1.90	1.98	+ 6	−10	− 3	+ 6	+ 0	−15	+ 0	+ 2	−13	− 3	1	0.27
89145	18 11 38.15	+12 33 01.6	8.08	2 G	272.908 966 75	+12.550 443 23	0.66	−0.32	−11.17	0.74	0.68	1.10	0.98	0.83	−25	+ 3	−29	−24	+41	−18	+35	−11	+17	−11	0	−0.31
89146	18 11 40.75	−35 01 31.4	7.11	H	272.919 782 98	−35.025 393 02	3.22	−0.52	− 8.76	0.82	0.52	0.91	1.01	0.59	+ 0	−31	−26	+16	+ 8	−15	− 8	−27	+16	−32	0	−0.11
89147	18 11 40.85	−40 24 47.4	8.93	H	272.920 224 83	−40.413 172 90	3.36	−5.07	− 1.80	1.23	0.85	1.46	1.54	0.94	+12	−31	−33	+10	+21	−21	− 8	−45	+32	−32	0	−0.48
89148	18 11 41.00	−02 43 34.2	7.26	H	272.920 851 48	−02.726 176 56	4.81	−6.27	−35.36	0.81	0.56	0.96	0.89	0.62	− 5	−36	−14	+ 4	+ 1	+35	+14	− 7	−12	+ 0	2	1.67
89149	18 11 41.48	−24 27 10.3	10.05	G	272.922 815 51	−24.452 851 61	4.41	10.69	5.15	1.77	0.99	1.81	2.01	1.17	− 7	−46	+ 4	+22	+19	− 6	+19	−21	+ 0	+ 1	0	0.46
89150	18 11 42.21	−40 12 38.6	7.84	H	272.925 856 94	−40.210 726 84	5.80	−90.95	−72.41	1.01	0.70	1.18	1.25	0.77	+ 3	−32	−32	+11	+23	−24	− 7	−45	+32	−41	0	−0.47
89151	18 11 42.33	+00 48 42.9	9.71	H	272.926 375 47	+00.811 908 30	4.58	10.22	− 3.62	1.24	1.00	1.49	1.23	1.06	+16	−28	− 2	− 9	+ 2	+18	− 2	−13	+17	+21	0	−1.45
89152	18 11 43.20	−55 21 41.9	6.78	H	272.930 001 48	−55.361 650 11	5.31	−7.02	−23.59	0.86	0.58	1.03	0.96	0.72	+ 6	−43	−16	− 3	−35	+28	−40	− 5	+30	+16	0	0.66
89153	18 11 43.33	−23 42 04.2	4.96	G	272.930 533 28	−23.701 167 77	13.35	7.82	−27.75	0.76	0.46	0.81	0.94	0.57	+ 2	−36	+ 1	+14	+ 7	+ 5	+ 2	−22	+ 9	+ 1	0	0.49
89154	18 11 43.44	+22 36 29.8	8.08	H	272.930 991 94	+22.608 279 43	3.17	−5.28	16.30	0.62	0.78	1.07	0.76	1.07	+29	−11	−23	+28	+10	+ 4	+ 6	−23	+18	+16	0	3.24
89155	18 11 44.94	+27 23 14.7	8.40	H	272.937 248 35	+27.387 421 39	1.97	−5.06	1.75	0.60	0.82	1.04	0.75	0.93	+ 5	−16	+ 4	− 7	+ 2	− 5	+ 1	−25	+24	+23	0	1.47
89156 H	18 11 45.11	+33 26 49.3	5.98	H	272.937 964 97	+33.447 027 48 A	4.27	13.52	12.14	0.56	0.58	0.66	0.57	0.60	+14	−10	+ 7	+23	+ 2	−16	+ 4	+ 7	− 3	+10	1	0.41
89157	18 11 45.65	+25 22 41.3	8.85	H	272.940 204 38	+25.378 135 54	6.18	−3.40	−28.58	0.61	0.81	1.08	0.83	0.95	+ 6	−12	− 4	+20	+ 6	+ 4	+ 5	+14	+ 2	+ 7	3	−0.27
89158 H	18 11 46.79	−18 22 52.3	9.69	G	272.944 966 83	−18.381 202 14 A	−1.43	−5.28	− 2.67	3.44	1.97	3.61	3.65	2.17	+ 5	−39	−10	+10	+25	−23	+11	−39	+21	−13	6	4.04
89159	18 11 46.82	+37 53 14.6	8.36	H	272.945 066 12	+37.887 396 39	7.80	11.76	−16.40	0.70	0.62	0.80	0.84	0.73	+10	−22	−12	+ 0	+ 5	− 6	+ 1	−20	+19	+20	3	−0.03
89160	18 11 46.99	−43 04 55.2	7.57	H	272.945 799 90	−43.082 012 97	5.23	−6.04	−20.28	0.85	0.54	1.04	1.06	0.68	−10	−36	+ 0	+ 2	+ 1	+ 0	− 6	−22	+25	− 2	0	−0.16
89161	18 11 47.05	−09 32 48.5	8.37	H	272.946 040 30	−09.546 794 12	1.49	8.07	−16.31	1.01	0.64	1.08	1.08	0.74	+ 4	−36	−14	− 7	−11	− 7	−15	−22	− 1	−31	0	0.08
89162	18 11 47.19	−70 19 06.7	8.89	H	272.946 604 67	−70.318 536 96	13.85	−116.96	−90.03	0.50	0.79	1.16	0.50	0.78	+ 5	−15	− 8	+ 8	− 9	− 3	−10	−14	+ 1	− 4	0	1.23
89163 H	18 11 47.35	−29 56 05.9	9.70	G	272.947 286 74	−29.934 978 38 A	4.79	−4.26	− 8.43	2.61	1.63	2.58	2.55	1.51	+18	−46	−14	−16	−11	+ 7	−13	−54	+ 5	+ 5	1	−0.28
89164	18 11 47.60	−16 53 38.2	8.14	H	272.948 339 04	−16.893 931 14	2.51	0.11	− 0.38	1.00	0.61	1.13	1.11	0.69	+13	−37	−25	− 2	− 4	−24	−22	−35	+16	−33	0	−1.67
89165	18 11 47.74	−26 01 12.8	9.21	G	272.948 929 81	−26.020 212 58	−3.29	3.20	− 5.66	1.57	1.16	1.83	2.24	1.32	−17	−29	−39	−16	+51	−35	+24	−68	+30	−53	0	0.57
89166	18 11 48.24	−42 41 24.5	9.52	G	272.951 018 65	−42.690 133 05	3.57	13.88	−41.78	1.55	1.00	1.65	2.15	1.23	− 2	−22	+ 3	+12	+ 1	− 1	− 4	−32	+20	− 3	2	−1.30
89167	18 11 48.40	−46 02 54.0	8.66	G	272.951 653 49	−46.048 343 82	2.33	0.53	− 0.67	1.04	0.65	1.24	1.24	0.69	− 9	−24	−12	+23	−41	+ 3	−37	− 1	+18	− 1	0	1.19
89168	18 11 49.81	−58 59 09.0	7.80	H	272.957 556 96	−58.985 829 75	5.92	11.62	−42.81	0.89	0.70	0.99	1.06	0.86	−18	−24	+ 8	+26	−28	+ 9	+12	+ 0	0	0.27
89169	18 11 49.92	+66 08 08.4	7.43	H	272.957 986 22	+66.135 669 78	4.15	0.08	28.67	0.53	0.58	0.58	0.50	0.70	+ 5	− 8	− 4	−34	− 1	+ 2	+ 2	+15	−10	+ 1	0	−2.65
89170 H	18 11 50.91	−15 40 47.5	7.95	G	272.962 124 17	−15.679 855 88 A	0.81	4.92	− 3.09	1.66	1.04	1.66	1.75	1.06	−13	−33	− 7	+ 6	+23	−30	+ 5	−55	+ 6	−44	2	1.03
89171	18 11 51.24	−56 24 03.3	7.14	H	272.963 486 40	−56.400 919 61	7.19	−3.63	6.99	0.83	0.64	0.91	0.93	0.69	−36	−24	− 6	+34	−38	+ 1	−39	+24	+18	−36	0	−1.30
89172	18 11 54.17	+31 24 19.0	4.96	2 H	272.975 695 23	+31.405 288 40	5.42	−14.46	25.21	0.38	0.43	0.54	0.43	0.50	+ 2	− 6	−10	+ 9	+13	−17	+12	+ 0	+ 2	+ 2	0	−1.71
89173	18 11 55.35	−58 11 25.6	7.97	H	272.980 644 54	−58.190 436 15	3.74	21.59	−37.84	0.81	0.70	1.05	0.96	0.82	−12	−22	+ 2	+16	−15	+ 9	−19	− 6	+19	−14	0	−0.56
89174	18 11 55.50	−05 37 26.4	7.22	H	272.981 252 25	−05.623 999 09	6.61	1.59	6.99	0.78	0.54	0.87	0.74	0.58	− 5	−39	− 4	−10	− 3	+ 6	+ 2	−27	−10	− 3	0	0.61
89175	18 11 55.56	+52 18 58.8	7.48	H	272.981 515 20	+52.316 321 29	4.67	5.86	42.56	0.58	0.57	0.61	0.73	0.74	+ 3	+ 6	−12	− 4	+ 2	− 5	+ 4	+30	− 8	− 4	0	−0.92
89176	18 11 56.63	−32 39 06.0	8.23	G	272.985 973 08	−32.651 671 13	2.93	−4.52	− 6.41	1.08	0.79	1.19	1.76	1.02	− 9	− 4	− 8	+ 1	+21	−18	+19	−52	+22	− 4	0	1.71
89177	18 11 57.10	−20 25 24.1	7.23	H	272.987 910 51	−20.423 371 43	0.05	2.04	− 1.11	0.86	0.60	0.96	1.11	0.70	−23	− 9	−19	−14	+28	−35	+19	−53	+23	−35	0	−0.35
89178	18 11 58.15	−28 54 05.5	6.51	H	272.992 294 45	−28.901 517 63	7.54	18.42	− 7.07	0.74	0.46	0.78	0.80	0.49	+19	−35	−10	+12	−16	+ 7	−15	−25	− 7	+ 4	0	−0.01
89179	18 12 00.35	−51 39 12.4	8.09	G	273.001 447 64	−51.653 452 88	3.32	1.37	− 9.05	0.83	0.58	0.98	0.93	0.59	−11	−16	−21	+32	−36	+ 5	−33	+ 6	+ 3	−14	0	−0.49
89180	18 12 01.21	−26 39 29.7	9.43	H	273.005 045 74	−26.658 252 95	1.62	6.12	− 7.29	1.77	1.17	1.87	2.09	1.34	−13	−53	− 9	−15	+47	−15	+27	−68	+ 1	−46	0	1.74
89181	18 12 01.38	−08 43 51.3	7.26	G	273.005 745 71	−08.730 917 38	6.49	−10.47	−27.87	0.77	0.52	0.90	1.02	0.65	+ 4	−31	−18	−21	+ 6	+21	+ 5	−31	+12	− 1	0	0.00
89182	18 12 02.25	+13 11 48.4	9.19	H	273.009 390 43	+13.196 781 86	0.83	−0.88	− 4.95	0.85	0.75	1.20	1.12	1.05	+10	− 1	− 7	− 1	+29	− 3	+30	+ 6	+ 4	+24	0	−1.28
89183	18 12 02.92	−56 25 42.0	7.56	H	273.012 152 43	−56.428 329 55	7.49	−2.82	7.15	0.89	0.69	0.97	1.02	0.75	−39	−25	− 6	+37	−43	+ 3	−43	+29	+20	−40	2	0.33
89184	18 12 04.23	−60 01 56.9	8.77	G	273.017 613 17	−60.032 478 28	5.09	16.42	29.16	1.02	0.85	1.20	1.43	1.04	− 4	−12	+ 4	− 8	−12	−13	−12	−30	+13	−13	0	−2.17
89185	18 12 04.89	+29 42 58.0	8.37	H	273.020 381 77	+29.716 112 57	1.98	7.28	− 7.65	0.64	0.76	0.95	0.83	0.91	+ 0	+ 3	− 1	− 1	+18	− 7	+16	+ 4	+ 8	+ 7	0	−1.94
89186 H	18 12 05.16	+46 44 11.9	8.48	H	273.021 498 99	+46.736 646 12 *	9.74	−61.44	−57.74	0.67	0.62	0.71	0.78	0.71	+ 9	−19	− 7	+18	+ 9	−15	+ 8	+12	+ 1	+11	4	1.80
89187	18 12 05.92	+17 28 07.7	9.23	H	273.024 658 06	+17.468 810 13	−0.88	0.38	− 8.71	0.94	0.92	1.42	1.18	1.11	− 5	− 4	−14	+ 6	+49	−34	+48	+13	+20	−41	0	0.75
89188	18 12 06.12	+74 20 02.5	7.89	H	273.025 497 52	+74.334 028 54	3.78	−0.65	8.03	0.59	0.56	0.61	0.55	0.59	+18	−19	+ 1	− 7	+ 1	−14	+ 0	− 4	+ 5	+26	0	−0.97
89189	18 12 06.28	−34 04 07.3	7.24	H	273.026 179 22	−34.068 686 71	1.42	−0.55	− 4.80	0.84	0.52	0.90	1.10	0.63	− 3	−27	−17	+21	+13	+ 8	+ 8	−19	+12	−10	0	0.81
89190 H	18 12 06.76	+27 38 35.9	7.69	H	273.028 179 40	+27.643 300 29 A	3.92	18.39	− 3.14	1.26	1.72	1.93	1.48	1.92	+ 7	− 9	+ 2	+ 7	+ 3	+ 0	+10	−20	+26	+22	1	−0.57
89191	18 12 06.98	−60 08 25.8	8.70	H	273.029 104 14	−60.140 499 17	3.46	1.86	9.16	1.00	0.83	1.15	1.38	1.02	−12	−23	+12	− 1	−12	−13	−11	−26	+ 0	−22	0	−1.09
89192	18 12 07.85	−05 18 46.9	9.20	H	273.032 700 69	−05.313 040 94	2.91	−1.42	2.11	1.27	0.86	1.47	1.20	0.95	+13	−47	−19	−18	+ 0	+ 5	− 5	−33	+ 6	−14	0	−1.37
89193	18 12 08.79	+10 03 42.7	9.31	H	273.036 621 41	+10.061 850 97	1.43	5.56	− 3.47	1.00	0.98	1.40	1.39	1.26	+11	−46	−27	−49	+15	+41	+23	−30	+ 3	−20	0	1.73
89194 H	18 12 09.00	−14 00 28.4	9.36	G	273.037 504 24	−14.007 883 58 *	2.75	3.46	− 9.03	1.38	0.83	1.52	1.56	0.96	+ 9	−37	−19	+18	− 2	+ 7	− 8	−20	+15	− 4	0	−0.01
89195 H	18 12 10.31	+08 13 37.8	7.18	H	273.042 978 73	+08.227 168 47 A	5.26	−15.92	−50.79	1.35	1.09	1.15	1.12	1.11	+ 8	−12	−35	−25	−20	+10	−14	−28	− 2	+ 2	1	1.81
89196	18 12 10.92	+19 05 37.4	8.10	H	273.045 510 03	+19.093 711 87	4.59	−2.06	− 7.03	0.71	0.66	0.98	0.73	0.69	+11	−22	− 1	+37	+45	−20	+45	+28	+ 0	+ 2	0	−0.70
89197	18 12 11.01	+13 47 25.9	8.48	H	273.045 887 03	+13.790 528 58	2.06	−3.80	− 9.58	0.71	0.61	1.03	0.99	0.71	+ 2	− 3	−31	−17	+36	−32	+25	−15	+18	+ 2	0	−1.00
89198	18 12 11.07	+33 17 30.2	6.94	1 H	273.046 108 38	+33.291 724 60	2.00	1.53	− 8.30	0.47	0.50	0.63	0.52	0.57	+ 4	− 4	+ 5	+10	+ 6	−21	+

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
89101	9.789	0.024	9.313	0.025		0.461	0.027	T	0.53	0.03	L	9.3696	0.0020	0.018	78		9.34	9.41		C			1							
89102	8.983	0.012	8.934	0.015		0.020	0.015	G	0.04	0.01	H	8.9749	0.0020	0.016	99		8.95	9.00		C			1							
89103	8.808	0.009	8.655	0.010		0.139	0.013	T	0.15	0.01	L	8.7039	0.0016	0.019	166		8.67	8.74					1							
89104	6.491	0.004	6.494	0.004		−0.002	0.003	G	0.02	0.00	H	6.5038	0.0010	0.008	112		6.49	6.52		C			1							S
89105	9.716	0.030	8.959	0.026		0.676	0.030	T	0.74	0.03	L	9.0371	0.0030	0.017	70		9.02	9.07					1 G							
89106	10.042	0.029	8.773	0.017	*	1.081	0.027	T	1.04	0.02	L *	8.7705	0.0037	0.029	85	*	8.73	8.84		R	18112−1723	I 1	2 C	A	AB	257	0.419	0.012	1.19	0.08	
89107	8.087	0.010	8.072	0.013		0.019	0.015	T	0.04	0.01	L	8.0764	0.0026	0.017	75		8.05	8.11		U			1							
89108	9.514	0.014	8.956	0.013	A	0.527	0.014	T	0.60	0.01	L	9.0207	0.0148	0.028	159	A	8.98	9.07		U	18112−4418	I 1	2 C	A	AB	52	18.787	0.036	2.28	0.12	
89109	9.546	0.024	7.901	0.012		1.376	0.021	T	1.35	0.03	L	7.9138	0.0020	0.013	62		7.90	7.94					1							
89110	7.044	0.004	7.022	0.006	*	0.025	0.006	T	0.04	0.01	L *	7.0354	0.0010	0.009	139	*	7.02	7.05		D	18112+3906	H 1	2 C	A	AB	344	0.643	0.012	3.29	0.06	S
89111	8.802	0.015	8.375	0.015	*	0.465	0.025	G	0.54	0.03	H *	8.3785	0.0016	0.011	83	*	8.36	8.41		D	18112−1642	I 1	2 C	A	AB	291	0.711	0.012	2.31	0.07	
89112	5.803	0.003	4.627	0.002		1.009	0.003	G	0.95	0.02	A	4.6830	0.0005	0.005	111		4.68	4.69			18112−4557	I 1	1							S
89113	8.871	0.023	8.315	0.023	*	0.521	0.029	T	0.59	0.03	L *	8.4435	0.0019	0.016	100	*	8.42	8.48		D	18112+6915	I 1	2 C	A	AB	205	4.348	0.005	0.04	0.01	S
89114	6.653	0.025	6.513	0.027	*	0.158	0.003	G	0.17	0.00	H *	6.3868	0.0008	0.007	75	*	6.37	6.40		D	18112−1951	I 1	2 C	A	AB	193	1.342	0.008	0.08	0.02	S
89115	7.490	0.005	6.001	0.003		1.253	0.005	T	1.21	0.01	L	6.0193	0.0005	0.007	161		6.00	6.03			18112−7553	I 1	1							S
89116	9.000	0.025	7.764	0.016		1.055	0.023	T	1.02	0.02	L	7.7808	0.0016	0.009	68		7.77	7.80		C	18113−2938	I 1	1							
89117	8.966	0.016	7.571	0.009		1.183	0.015	G	1.14	0.01	H	7.6245	0.0014	0.012	72		7.60	7.64		C			1							S
89118	9.978	0.025	9.507	0.025		0.444	0.032	T	0.51	0.03	L	9.5893	0.0029	0.021	85		9.55	9.64					1							
89119	10.469	0.042	8.715	0.017		1.462	0.036	T	1.47	0.06	L	8.7229	0.0028	0.016	87		8.70	8.75					1							
89120	11.551	0.069	10.958	0.070		0.553	0.087	T	0.63	0.08	L	11.1225	0.0046	0.043	163		11.02	11.19					1							G
89121	8.008	0.009	8.156	0.013		−0.133	0.013	G	−0.12	0.02	H	8.1338	0.0032	0.024	70		8.10	8.17		U 2			1							
89122	9.200	0.011	8.287	0.008	*	0.810	0.010	T	0.84	0.01	L *	8.2906	0.0017	0.017	181	*	8.26	8.33		D	18114+2519	I 1	2 C	A	AB	76	0.623	0.003	1.00	0.02	
89123	10.577	0.054	9.651	0.038	*	0.805	0.051	T	0.83	0.04	L *	9.6994	0.0034	0.023	81	*	9.66	9.74		D	18114−3615	I 1	2 C	A	AB	191	0.337	0.009	0.90	0.12	G
89124	11.711	0.150	10.246	0.075		1.234	0.132	T	1.19	0.13	L	10.0265	0.0042	0.032	77		9.98	10.08					1	S						G
89125	10.461	0.038	9.187	0.022		1.085	0.034	T	1.05	0.03	L	9.2553	0.0028	0.018	83		9.23	9.29					1							
89126	8.683	0.010	7.507	0.007		1.008	0.010	T	0.98	0.01	L	7.5506	0.0013	0.014	146		7.53	7.57		M			1							S
89127	8.176	0.013	7.661	0.011		0.513	0.015	G	0.59	0.02	H	7.6880	0.0017	0.012	65		7.67	7.71		C			1							S
89128	9.020	0.013	8.465	0.012		0.520	0.016	T	0.59	0.02	L	8.5168	0.0014	0.015	111		8.49	8.55		C			1							
89129	8.918	0.017	8.723	0.020		0.199	0.009	G	0.22	0.01	H	8.7383	0.0038	0.033	65		8.69	8.82		U 2			1							
89130	7.839	0.008	7.646	0.008		0.185	0.011	T	0.20	0.01	L	7.6917	0.0012	0.013	144		7.67	7.71					1							S
89131	9.195	0.018	8.807	0.019		0.367	0.024	T	0.43	0.03	L	8.8596	0.0022	0.015	77		8.84	8.88		C			1							
89132	11.500	0.076	9.523	0.022		1.675	0.065	T	2.59	0.08	O	9.2840	0.0051	0.044	133		9.17	9.36		U 2			1							
89133	6.800	0.005	6.738	0.006		0.062	0.007	T	0.07	0.01	L	6.7635	0.0010	0.007	75		6.75	6.78			18114−0512	I 1	1							S
89134	9.201	0.013	8.703	0.012		0.460	0.015	G	0.53	0.02	H	8.7549	0.0019	0.017	139		8.72	8.78					1							
89135	8.020	0.006	8.131	0.008		−0.096	0.009	T	−0.08	0.01	L	8.1183	0.0011	0.013	171		8.10	8.14		C	18115−4435	I 1	1							
89136	8.864	0.014	7.526	0.009		1.135	0.013	T	1.10	0.01	L	7.5557	0.0017	0.009	63		7.54	7.57		C			1							S
89137	9.560	0.024	8.402	0.016		0.994	0.022	T	0.97	0.02	L	8.4527	0.0018	0.016	68		8.43	8.47		C			1							
89138	8.320	0.011	7.762	0.009		0.522	0.013	T	0.59	0.01	L	7.8121	0.0014	0.010	109		7.79	7.84		C			1							S
89139	8.208	0.007	6.902	0.004		1.110	0.006	T	1.07	0.01	L	6.9508	0.0009	0.011	175		6.93	6.97		C			1							S
89140	10.008	0.027	8.591	0.015		1.197	0.024	T	1.16	0.02	L	8.6422	0.0019	0.018	106		8.61	8.67					1							
89141	8.413	0.008	8.392	0.010		0.024	0.012	T	0.04	0.01	L	8.4056	0.0018	0.018	134		8.38	8.45					1							
89142	10.029	0.022	8.248	0.010		1.514	0.020	T	2.43	0.05	O	8.0545	0.0033	0.030	119		8.00	8.10		U 2			1	S						
89143	8.025	0.008	6.765	0.005		1.074	0.007	T	1.04	0.01	L	6.8194	0.0007	0.008	118		6.81	6.84		C			1							S
89144	11.813	0.112	11.172	0.106		0.780	0.020	G	0.82	0.02	H	11.2497	0.0046	0.045	116		11.17	11.32					1							G
89145	8.009	0.008	8.090	0.010		−0.053	0.004	G	−0.03	0.00	H	8.0630	0.0020	0.020	104		8.04	8.10		U 2			1							S
89146	7.084	0.006	7.119	0.008		−0.027	0.009	T	−0.01	0.01	L	7.1095	0.0011	0.009	84		7.09	7.13		C			1							S
89147	9.352	0.020	8.966	0.021		0.377	0.025	T	0.44	0.03	L	9.0135	0.0026	0.018	69		8.98	9.04		C			1							
89148	8.776	0.014	7.403	0.008		1.162	0.013	T	1.12	0.01	L	7.4261	0.0014	0.011	71		7.41	7.45		C			1							S
89149	10.733	0.058	10.191	0.058		0.566	0.020	G	0.64	0.02	H	10.1748	0.0034	0.028	81		10.12	10.22		C			1							G
89150	9.280	0.019	7.955	0.011		1.125	0.017	T	1.09	0.02	L	8.0037	0.0024	0.015	71		7.98	8.03					1							S
89151	10.096	0.032	9.778	0.037		0.302	0.046	T	0.35	0.06	L	9.7862	0.0040	0.027	60		9.70	9.82					1							G
89152	8.948	0.015	6.972	0.007		1.674	0.014	T	1.88	0.05	O	6.8771	0.0015	0.010	67		6.86	6.89					1							S
89153	6.321	0.004	5.078	0.003		1.055	0.001	G	1.02	0.02	A	5.1321	0.0006	0.005	69		5.12	5.14		C	18117−2342	I 1	1							S
89154	8.141	0.008	8.089	0.009		0.053	0.011	T	0.07	0.01	L	8.1059	0.0014	0.015	143		8.08	8.13		C			1 G							S
89155	9.781	0.019	8.513	0.011		1.080	0.017	T	1.04	0.01	L	8.5682	0.0018	0.016	143		8.54	8.60		C			1							
89156	6.039	0.003	5.989	0.003	*	0.045	0.004	T	0.06	0.00	L *	6.0034	0.0008	0.007	127	*	5.99	6.02		D	18118+3327	I 1	2 C	A	AC	218	0.713	0.008	2.92	0.04	S
89157	9.584	0.013	8.913	0.012		0.600	0.015	G	0.67	0.01	H	8.9746	0.0017	0.023	183		8.93	9.02					1							
89158	10.366	0.044	10.060	0.053	A						T *	9.8207	0.0093	0.077	81	–	9.72	10.34		D	18118−1823	I 1	3 C	C						G G
89159	9.029	0.013	8.433	0.012		0.578	0.015	G	0.65	0.01	H	8.4901	0.0011	0.012	120		8.47	8.52					1							
89160	7.515	0.008	7.545	0.008		−0.038	0.002	G	−0.02	0.00	H	7.5614	0.0013	0.010	90		7.54	7.58		C			1							S
89161	9.243	0.018	8.460	0.014		0.711	0.018	T	0.77	0.01	L	8.5125	0.0022	0.017	75		8.48	8.53					1							
89162	9.694	0.011	8.959	0.009		0.659	0.011	T	0.72	0.01	L	9.0266	0.0014	0.023	311		9.00	9.07					1							
89163	10.364	0.057	9.879	0.070	A	0.467	0.020	G	0.54	0.02	H *	9.7131	0.0061	0.040	64	*	9.64	9.78		D	18118−2956	M 1	2 C	A	AB	333	9.154	0.024	2.64	0.12	G
89164	8.290	0.011	8.156	0.013		0.162	0.000	G	0.18	0.00	H	8.1926	0.0017	0.015	81		8.17	8.22					1							
89165	9.377	0.026	9.208	0.034		0.165	0.020	G	0.18	0.02	H	9.2614	0.0026	0.024	68		9.22	9.30					1							
89166	10.026	0.032	9.512	0.032		0.430	0.020	G	0.50	0.02	H	9.6129	0.0028	0.022	66		9.57	9.65		C			1							
89167	8.647	0.024	8.678	0.032		−0.007	0.003	G	0.01	0.00	H	8.6753	0.0021	0.018	112		8.65	8.70		C			1							
89168	8.708	0.014	7.886	0.011		0.741	0.014	T	0.79	0.01	L	7.9401	0.0015	0.013	77		7.92	7.96		C			1							S
89169	8.626	0.010	7.530	0.007		0.947	0.009	T	0.94	0.01	L	7.5906	0.0011	0.011	115		7.57	7.61		C			1							S
89170	8.192	0.011	8.006	0.013	A	0.258	0.056	G	0.16	0.04	L *	7.9836	0.0016	0.011	67	*	7.97	8.00		D	18118−1541	I 1	2 C	A	AB	30	4.159	0.020	3.07	0.11	S
89171	7.257	0.007	7.154	0.008		0.093	0.010	T	0.11	0.01	L	7.1818	0.0015	0.009	73		7.17	7.20		C			1							S
89172	7.086	0.006	5.167	0.004		1.643	0.004	G	2.16	0.05	F	5.0243	0.0031	0.037	148		4.97	5.07		U 2			1	S						S
89173	9.483	0.020	8.117	0.012		1.157	0.018	T	1.12	0.02	L	8.1427	0.0016	0.013	80		8.13	8.16		C			1							
89174	7.597	0.008	7.262	0.009		0.318	0.011	T	0.37	0.01	L	7.2998	0.0014	0.007	70		7.29	7.31		C			1							S
89175	8.726	0.012	7.590	0.008		0.977	0.011	T	0.96	0.01	L	7.6443	0.0009	0.010	100		7.63	7.66		D			1							S
89176	8.162	0.012	8.240	0.017		−0.050	0.015	G	−0.03	0.01	H	8.2082	0.0014	0.011	68		8.20	8.23		C			1							
89177	7.230	0.007	7.224	0.009		0.010	0.010	T	0.03	0.01	L	7.2378	0.0009	0.008	73		7.22	7.25					1							S
89178	6.498	0.007	6.521	0.009		−0.016	0.010	T	0.01	0.01	L	6.5172	0.0011	0.008	77		6.50	6.53		C			1							S P
89179	7.996	0.010	8.081	0.013		−0.079	0.005	G	−0.06	0.01	H	8.0705	0.0021	0.015	90		8.05	8.10					1							S
89180											T	9.5867	0.0016	0.017	58		9.56	9.61		D			1	S						G
89181	7.742	0.008	7.298	0.009		0.441	0.015	G	0.51	0.02	H	7.3582	0.0010	0.008	81		7.34	7.38					1 G							S
89182	9.315	0.014	9.173	0.016		0.137	0.020	T	0.15	0.02	L	9.2376	0.0021	0.018	124		9.21	9.27		C			1							
89183	7.680	0.007	7.570	0.009		0.099	0.010	T	0.11	0.01	L	7.5980	0.0010	0.010	74		7.57	7.61		D	18121−5626	I 1	1	S						S
89184	9.148	0.016	8.818	0.017		0.376	0.015	G	0.44	0.02	H	8.8490	0.0022	0.019	79		8.81	8.88		C			1							
89185	9.558	0.017	8.481	0.012		0.932	0.016	T	0.93	0.01	L	8.5322	0.0022	0.020	133		8.50	8.57					1							
89186	9.123	0.014	8.524	0.012	*	0.559	0.016	T	0.63	0.01	L *	8.5966	0.0013	0.012	121	*	8.57	8.62		C	18121+4644	M 1	2 C S	B	BA	222	0.199	0.040	2.35	0.64	
89187	9.375	0.015	9.230	0.018		0.140	0.022	T	0.15	0.02	L	9.2784	0.0019	0.019	146		9.24	9.31		C			1							
89188	9.529	0.016	8.028	0.009		1.263	0.014	T	1.22	0.01	L	8.0506	0.0012	0.011	116		8.03	8.07		C			1							S
89189	7.140	0.007	7.223	0.007		−0.071	0.009	T	−0.05	0.01	L	7.2207	0.0010	0.008	74		7.20	7.23					1							S
89190	8.038	0.013	7.819	0.012	*	0.209	0.017	T	0.23	0.02	L *	7.7531	0.0015	0.013	139	*	7.74	7.78		D	18121+2739	I 1	2 C	A	AB	272	0.963	0.002	0.24	0.01	S
89191	8.845	0.013	8.735	0.016		0.107	0.019	T	0.12	0.02	L	8.7451	0.0018	0.016	79		8.72	8.78		C			1							
89192	10.028	0.029	9.281	0.024		0.683	0.030	T	0.74	0.03	L	9.3415	0.0021	0.015	64		9.32	9.36					1							
89193	9.746	0.021	9.341	0.021		0.404	0.015	G	0.47	0.02	H	9.4007	0.0027	0.024	107		9.37	9.44					1 G							
89194	9.957	0.027	9.417	0.027	*	0.520	0.020	G	0.59	0.02	H *	9.4936	0.0023	0.020	74	*	9.46	9.54		C	18122−1400	H 1	2 C S	A	AB	160	0.172	0.008	0.48	0.34	G
89195	8.885	0.017	7.321	0.009	*	1.312	0.015	T	1.27	0.02	L *	7.3321	0.0017	0.009	63	*	7.31	7.35		C	18122+0814	H 1	2 C	A	AB	264	0.493	0.028	3.23	0.11	S
89196	8.042	0.007	8.085	0.009		−0.035	0.010	T	−0.01	0.01	L	8.0995	0.0017	0.016	126		8.07	8.13					1							S
89197	8.489	0.008	8.470	0.011		−0.005	0.015	G	0.02	0.01	H	8.4847	0.0015	0.016	141		8.45	8.52		C			1							
89198	9.014	0.012	7.114	0.006		1.578	0.011	T	1.60	0.01	L	7.0532	0.0016	0.014	139		7.03	7.07		M			1							S
89199	10.062	0.040	8.840	0.023	A	0.800	0.495	G	0.93	0.11	L *	8.6481	0.0024	0.014	62	*	8.63	8.67		D	18122−3217	I 1	2 C	B	AB	157	1.348	0.013	0.85	0.05	
89200	9.238	0.015	7.611	0.008		1.362	0.013	T	1.33	0.01	L	7.6331	0.0012	0.013	120		7.61	7.66		C			1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)														Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$						F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr															%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28						29	30
89201	18 12 14.06	−38 11 05.5	7.71	H	273.058 603 67	−38.184 860 37		8.07	22.15	−28.66	0.87	0.63	1.04	1.27	0.70	+13	−10	−	3	−	3	−11	−38	−19	−44	+	8	−	9		0	0.37
89202	18 12 14.49	+52 03 42.9	8.35	H	273.060 363 51	+52.061 911 17		0.06	0.62	−10.97	0.74	0.67	0.76	0.94	0.88	+	6	−	2	−	3	−11	−	4	+	2	+	3	+	25	−	5	−11	0	−1.35
89203	18 12 14.70	−19 25 58.1	7.16	2 G	273.061 251 24	−19.432 817 15		1.60	−1.67	−0.60	0.89	0.56	1.01	1.02	0.64	+	0	−41	−27	+	9	+12	−19	−	6	−37	+23	−28		0	−1.21
89204	18 12 15.00	+52 43 08.7	7.71	H	273.062 495 29	+52.719 082 17		2.62	−1.38	−3.44	0.59	0.55	0.63	0.61	0.70	+	5	+	9	−	6	+	9	+	8	+	2	+10	+19	+	1	+	3	0	−0.54
89205	18 12 15.20	+48 07 11.9	7.38	H	273.063 343 84	+48.119 982 75		5.77	10.18	−28.66	0.53	0.52	0.56	0.59	0.64	+	0	−	4	−	9	−11	−	1	+	6	+	3	+35	−12	−	6		1	−0.45
89206	18 12 16.42	−54 55 02.7	11.46	G	273.068 410 96	−54.917 420 66		2.53	−10.57	−5.36	3.05	2.03	3.38	3.69	2.29	−	4	−33	−	8	+10	−42	+18	−40	+10	+17	+	8		2	2.22
89207 H	18 12 18.16	+01 53 51.1	8.51	G	273.075 681 59	+01.897 538 13	A	16.54	−1.59	−39.90	1.47	1.15	1.42	1.27	1.06	+36	−25	−33	−17	−11	+12	−12	−26	+13	+29				0	−0.86
89208	18 12 18.94	+17 18 08.8	8.90	H	273.078 916 48	+17.302 448 08		2.24	−15.95	−17.66	1.01	0.85	1.39	1.23	1.04	+	2	−	7	−11	+19	+58	−35	+53	+	3	+24	−39		0	−1.26
89209	18 12 21.06	−55 29 32.9	8.61	H	273.087 738 89	−55.492 481 02		11.04	2.65	−23.50	1.20	0.85	1.53	1.35	1.00	+12	−49	−25	−	7	−36	+29	−39	−	3	+29	+10			0	−1.62
89210	18 12 21.09	−48 35 39.7	9.12	G	273.087 887 42	−48.594 367 74		3.16	8.81	−4.81	2.72	1.75	3.25	3.05	1.86	−	2	−33	−	7	+20	−25	−	9	−25	−12	+	8	−	6		0	
89211	18 12 21.29	−43 26 37.8	8.38	G	273.088 688 10	−43.443 833 47		77.18	132.84	−418.12	1.01	0.61	1.23	1.35	0.75	−	1	−30	+	0	+	2	−46	−	1	−38	−18	+15	+31		0	−1.05
89212	18 12 21.40	+65 36 17.4	9.03	H	273.089 186 61	+65.604 834 87		0.68	−1.77	−9.82	0.72	0.78	0.78	0.90	0.97	+	9	−17	−12	−14	+	5	−	9	+	2	−16	+	6	+14		1	0.26
89213	18 12 21.61	+44 58 25.2	8.81	H	273.090 057 97	+44.973 663 58		0.40	3.81	2.36	0.71	0.72	0.79	0.72	0.82	+	6	−	1	−	2	−16	+	2	+	3	+	4	+11	−	4	−	2	1	1.29
89214	18 12 21.71	−55 40 22.2	8.80	H	273.090 465 44	−55.672 837 80		10.16	−2.94	21.36	1.15	0.81	1.30	1.26	0.90	+	2	−39	−15	−	1	−45	+21	−45	+	1	+20	+	0		0	−0.42
89215	18 12 22.17	+05 24 10.1	10.37	G	273.092 376 06	+05.402 796 75		17.00	−500.15	−645.99	1.54	1.37	1.90	1.78	1.61	−	1	−16	−41	−38	+	4	+	0	+	2	−48	+22	+	4	0	−0.78
89216	18 12 24.04	−07 17 48.7	7.72	H	273.100 155 84	−07.296 856 59		12.07	−23.69	−50.90	0.83	0.56	0.97	0.89	0.61	+	3	−35	−31	+15	−20	+20	−13	−	6	−	6	−13		4	2.59
89217	18 12 24.59	−61 14 07.3	8.21	G	273.102 448 05	−61.235 358 20		1.06	−1.63	−7.89	0.68	0.56	0.84	0.74	0.55	+13	−27	−11	+	4	−	1	+	4	−	2	−18	+	2	+	8		3	0.69
89218	18 12 24.66	−10 43 53.1	8.41	G	273.102 734 34	−10.731 404 03		−0.25	1.07	−0.26	1.22	0.78	1.40	1.65	0.92	−17	−	5	−39	−32	+39	−42	+23	−49	+32	−49		0	−0.91		
89219	18 12 25.82	−58 38 05.8	9.17	H	273.107 574 36	−58.634 945 00		5.67	−11.51	−79.70	1.03	0.86	1.27	1.32	1.12	−14	−21	+	3	+15	−19	+12	−20	+	1	+12	−	1		0	0.43
89220	18 12 26.67	−30 00 50.1	8.09	H	273.111 106 57	−30.013 907 25		7.42	3.34	3.71	0.96	0.62	1.01	1.12	0.69	+	2	−27	+	1	+	9	+13	+	6	+14	−29	+	2	+11		0	1.25
89221	18 12 26.84	+37 39 33.6	8.31	H	273.111 846 93	+37.659 320 82		0.36	−1.04	−12.29	0.62	0.69	0.81	0.73	0.75	+	2	−16	−17	+13	+	7	−	5	+	6	−20	+21	+11		0	1.10
89222	18 12 27.59	−16 22 50.5	7.51	H	273.114 944 80	−16.380 680 73		1.12	1.74	−0.84	0.99	0.56	1.05	1.05	0.66	−20	−43	−11	+12	−	2	−11	−14	−18	+	5	−59			0	1.07
89223 H	18 12 28.50	−15 22 23.7	8.05	G	273.118 757 70	−15.373 242 97	A	3.11	−2.17	−0.87	1.67	1.04	1.69	1.64	1.05	−	4	−39	−35	+	5	+29	−38	−	7	−58	+39	−53		2	0.01
89224	18 12 29.30	−39 20 32.2	7.28	H	273.122 083 63	−39.342 291 15		2.29	−0.66	−6.15	0.76	0.51	0.83	0.94	0.55	−	5	−30	−	7	+14	+17	+18	+	0	−35	+12	−35		0	−0.28
89225	18 12 29.47	−41 42 57.5	8.14	1 G	273.122 793 76	−41.715 980 22		3.50	5.71	−6.32	0.95	0.63	1.04	1.41	0.79	−	3	−22	−	2	+14	+26	−	2	+16	−31	+19	−	7		0	−0.80
89226	18 12 30.13	−06 03 18.3	8.91	H	273.125 556 95	−06.055 089 61		5.94	23.56	−24.08	1.11	0.75	1.20	1.37	0.93	+	8	−28	+	7	+	9	−	4	+	3	+	5	−17	−	6	+35	0	−1.32
89227	18 12 30.21	+35 33 39.5	8.37	G	273.125 883 55	+35.560 965 52		7.62	16.80	−63.81	0.62	0.67	0.79	0.70	0.79	+	8	−20	+	8	+17	+12	−	3	+12	+	2	+	2	+12		0	0.35
89228	18 12 30.44	+75 10 36.6	9.15	H	273.126 825 76	+75.176 834 86		6.99	52.73	−54.36	0.78	0.67	0.74	0.92	0.81	+12	−27	−13	−29	+10	+	6	+	8	+	0	−	2	+20		0	−1.15
89229	18 12 31.31	+49 05 55.8	7.83	1 H	273.130 465 04	+49.098 823 20		5.56	0.38	−31.88	0.56	0.55	0.58	0.65	0.67	+	1	−14	−18	+20	+	0	+	2	+	3	+41	−12	−	5	1	−0.82
89230	18 12 32.19	+24 27 05.9	6.98	H	273.134 137 84	+24.451 642 93		4.35	14.06	8.18	0.37	0.54	0.72	0.44	0.61	+	5	−	9	+	9	+16	+19	+	3	+18	+	5	+14	+10		0	0.76
89231	18 12 33.05	−44 45 32.4	10.21	H	273.137 691 98	−44.758 999 74		4.55	−11.18	−34.98	1.64	0.97	2.11	2.03	1.11	+	1	−29	+	0	+12	−53	+	6	−48	−	4	+22	+32		1	1.34
89232	18 12 33.82	−46 34 49.7	9.22	H	273.140 906 01	−46.580 466 12		8.77	−22.14	−47.98	1.36	0.84	1.47	1.51	0.89	+	9	−35	−12	+10	−51	+	3	−50	−14	+20	+	5		0	−0.76
89233 H	18 12 34.10	+31 34 47.3	8.30	H	273.142 100 80	+31.579 811 36	A	1.74	−5.11	−10.31	0.95	1.00	1.16	1.03	1.23	+15	−	9	−14	+	0	−	1	−	9	−	3	+	2	−	1	−	5	0	0.66
89234 H	18 12 34.17	−73 40 18.4	5.86	G	273.142 357 62	−73.671 778 67	A	24.48	−54.84	−262.65	0.47	0.59	0.69	0.46	0.68	−	3	−	5	−12	+	6	−	8	−	9	−	8	+13	+10	−	6	1	−0.18
89235 H	18 12 35.69	+12 23 36.9	7.56	G	273.148 693 46	+12.393 583 49	*	4.12	6.41	1.58	0.70	0.67	1.13	0.93	0.89	−25	+	4	−19	−23	+40	−17	+37	−12	+18	−	9		0	1.21		
89236 H	18 12 36.19	−03 29 08.4	8.49	H	273.150 802 54	−03.485 678 53	A	7.05	18.67	−8.05	2.82	2.03	2.80	3.17	2.08	+17	−22	−27	+	4	−10	+20	+	0	−18	+	3	+12		0	−0.19		
89237 H	18 12 36.72	+38 35 51.1	8.13	H	273.153 006 06	+38.597 531 22	A	5.77	−15.30	−21.03	1.16	1.24	1.24	1.26	1.42	+	0	−	3	+	8	+31	−	9	−	7	−12	+	7	+	7	−	8	3	1.63
89238	18 12 37.56	−28 14 10.6	7.37	1 H	273.156 480 15	−28.236 285 08		3.88	−0.12	1.32	0.86	0.56	0.92	0.98	0.61	+21	−38	−21	+18	+	4	−10	−12	−31	+13	−	9		0	−1.73		
89239	18 12 38.85	+14 55 35.5	10.82	H	273.161 892 75	+14.926 529 58		6.10	−0.54	−0.83	1.40	1.32	2.11	1.69	1.62	−	4	−19	+	7	+	0	+30	−	6	+24	−	8	+25	−	1	0	−0.08		
89240 H	18 12 38.86	+41 23 07.8	8.43	G	273.161 924 59	+41.385 511 80	A	7.87	11.83	23.74	1.10	1.18	1.18	0.99	1.43	+	1	+12	−	3	−16	+	2	+16	−20	−	4		3	−0.54		
89241	18 12 39.61	−54 23 13.0	9.36	H	273.165 031 77	−54.386 949 16		3.46	20.87	−73.81	1.33	0.89	1.54	1.47	1.02	−18	−36	+	2	+19	−22	+	1	−25	+14	+18	−	2		2	1.03		
89242	18 12 40.36	+02 48 46.1	6.68	H	273.168 145 86	+02.812 812 21		1.61	3.36	−1.88	0.72	0.54	0.78	0.69	0.57	−	5	−32	−	7	−	8	−	7	+	2	−	7	−18	−	1	−	5	0	−0.47		
89243 H	18 12 40.93	+54 46 06.9	9.48	2 H	273.170 553 56	+54.768 581 63	A	4.84	14.01	−7.41	2.07	1.84	1.66	1.55	1.74	−16	−	5	−	4	+	4	+12	−29	+21	−16	+17	−	5		3	1.24		
89244	18 12 40.99	+23 29 34.1	8.97	H	273.170 807 03	+23.492 802 25		4.23	3.23	12.49	0.51	1.06	1.43	0.70	1.29	+12	−18	−10	+22	+	5	+	9	+	2	−29	+28	+19		0	0.62		
89245	18 12 41.83	+13 06 21.6	9.56	H	273.174 308 36	+13.105 997 99		1.49	3.61	−30.67	0.95	0.87	1.48	1.31	1.23	+11	−	9	−11	+	0	+32	−	1	+31	+	2	+	9	+24		0	0.98		
89246	18 12 42.62	+41 08 49.0	6.36	H	273.177 595 17	+41.146 946 69		6.85	−10.10	−43.99	0.49	0.45	0.55	0.53	0.54	−	2	−13	+10	+	7	+	5	−15	+	7	+15	+	1	+	4	0	−0.65		
89247	18 12 43.37	+24 23 36.7	8.20	H	273.180 725 83	+24.393 536 29		20.32	−126.81	−33.13	0.71	1.11	1.49	0.88	1.31	+	8	−13	−11	+	7	+15	+	3	+13	−	9	+15	+14		0			
89248	18 12 43.47	+53 33 27.5	8.66	H	273.181 112 03	+53.557 649 02		5.61	−1.14	−21.22	0.66	0.54	0.69	0.71	0.72	−	1	−11	−	4	+	5	+14	−	2	+16	−	8	+	6	+	4	0	−0.48		
89249	18 12 44.48	+35 55 43.5	10.94	H	273.185 349 10	+35.928 749 37		−0.56	−0.89	1.40	1.33	1.41	1.74	1.62	1.80	+	4	−16	−	1	+19	−	4	−12	−	3	−	8	−	9	+	4	0	1.37		
89250	18 12 46.21	−78 59 29.9	9.14	H	273.192 547 34	−78.991 647 70		8.08	−4.79	−60.63	0.77	0.84	1.04	0.86	0.99	−31	−31	+10	+24	−	8	−	3	−	8	−	2	−	6	−40	0	−0.76		
89251	18 12 48.27	−16 34 32.3	7.73	H	273.201 141 06	−16.575 651 60		1.48	2.06	−4.17	1.04	0.62	1.12	1.14	0.73	−	5	−38	−10	+	2	−	7	−16	−16	−24	+	2	−44		0	0.03		
89252 H	18 12 49.00	+05 49 21.0	7.59	H	273.204 171 54	+05.822 498 14	A	5.78	−9.52	−13.16	1.20	1.01	1.30	1.25	0.99	+	2	−	4	−20	+13	+	3	+31	+10	−	1	+11	+	6	1	0.51		
89253	18 12 49.28	+42 37 24.7	9.70	H	273.205 328 72	+42.623 533 44		0.84	0.92	−1.14	0.85	0.85	0.97	0.99	1.08	+	3	−	8	+13	+	0	+10	−10	+11	+23	+	8	+	4	0	−0.11		
89254	18 12 50.51	+63 36 00.9	8.59	H	273.210 443 68	+63.600 263 69		3.50	10.50	−21.84	0.67	0.68	0.69	0.75	0.73	+	7	+	1	+	4	+23	+11	+	0	+13	−	9	−	5	+15	3	0.53		
89255	18 12 52.03	+22 49 30.4	6.97	1 H	273.216 796 91	+22.825 111 72		3.69	7.99	−31.60	0.42	0.56	0.83	0.51	0.69	+14	−16	−10	+17	+	4	−	2	+	4	+	5	+	2	+16		1	−0.01		
89256	18 12 52.47	−74 17 11.7	8.13	H	273.218 639 44	−74.286 572 59		3.29	1.67	−15.12	0.50	0.65	0.86	0.53	0.79	−	6	−	6	−13	+	2	−	5	−	5	−	8	−	8	−	8	−23	0	−1.34		
*89257	18 12 53.03	+42 48 11.4	8.74	H	273.220 956 51	+42.803 167 74		6.99	−2.82	13.82	0.69	0.75	0.83	0.78	0.91	+	6	+13	+	9	+	2	+10	−13	+12	+23	+11	+	6		0	−0.88		
*89258	18 12 52.98	−63 36 57.4	8.52	3 H	273.220 751 90	−63.615 942 18		1.51	−26.23	14.46	1.01	0.82	1.32	1.08	0.92	−14	−45	+19	−	7	−	7	+16	−	1	−15	−17	−14		0	−0.10		
89259	18 12 55.13	−00 45 37.7	9.10	H	273.229 714 49	−00.760 464 46		7.56	10.51	−18.96	1.19	0.77	1.33	1.18	0.89	+	1	−52	−	5	+	3	+	7	+10	+11	−	8	−	8	−	1	0	1.53		
89260	18 12 55.51	+22 33 40.5	9.24	1 H	273.231 274 12	+22.561 246 95		1.86	−10.34	−19.91	0.78	1.05	1.46	0.98	1.21	+	9	−13	−15	+17	+	8	+	4	+	9	+	5	−	2	+11		0	−0.78		
89261	18 12 55.58	+40 54 02.4	8.62	H	273.231 569 26	+40.900 665 22		2.77	−4.03	−21.09	0.71	0.63	0.80	0.83	0.79	−	1	−	9	−	3	+21	+	7	−25	+	7	+	7	+	4	+	0	0	0.46		
*89262	18 12 56.15	−19 44 42.8	8.21	G	273.233 967 99	−19.745 212 73		0.48	3.96	−0.54	1.01	0.66	1.12	1.18	0.78	−	6	−23	−18	+	5	+18	−17	+	8	−38	+23	−16		0	−1.48		
*89263	18 12 56.15	−15 11 32.5	8.18	G	273.233 945 51	−15.192 370 01		3.37	−1.12	−1.47	1.12	0.59	1.18	1.07	0.66	−	3	−52	−	8	+17	−	5	−12	−17	−30	+	9	−31		0	0.87		
89264 H	18 12 56.25	−50 33 31.1	6.51	G	273.234 359 12	−50.558 641 63	A	14.38	−1.68	−79.33	0.89	0.67	0.99	1.00	0.64	−13	−	7	−18	+19	−27	+	6	−20	−11	+14	−15		3	0.87		
89265	18 12 57.23	+11 27 05.8	8.26	G	273.238 449 76	+11.451 621 02		6.53	−4.05	−13.13	0.72	0.67	1.03	0.78	0.76	+	1	−37	−23	−15	+14	+	3	+	8	−17	+15	+	0		0	−0.56		
89266	18 12 57.36	+22 32 13.2	8.61	1 H	273.239 020 12	+22.536 990 01	A	1.31	−4.23	5.05	0.99	1.29	1.60	1.14	1.46	+13	−	4	−	6	+12	+11	+	4	+10	+	1	+10	+16		2	1.95		
89267	18 12 57.63	+17 02 38.4	9.03	1 H	273.240 113 03	+17.044 001 15		1.91	−2.05	1.76	0.87	0.79	1.28	1.23	1.07	−20	−12	−	8	−	3	+43	−33	+41	−	2	+22	−59		0	−0.93		
89268 H	18 12 58.00	+33 17 53.9	8.94	H	273.241 653 43	+33.298 313 27	A	15.58	130.94	−28.56	4.85	3.04	1.51	1.44	1.48	+35	+	0	+11	+18	+	1	−22	−	1	+	0	+	1	+13		2	−0.85		
89269 H	18 12 59.12	−39 09 41.4	7.27	G	273.246 343 97	−39.161 501 13	A	23.58	27.26	−145.06	2.22	1.44	2.09	2.37	1.40	−45	−12	−12	−	3	+23	−23	+24	−52	+20	−22		1	0.98		
89270	18 12 59.40	+28 15 26.4	8.08	H	273.247 520 28	+28.257 325 82		12.72	−2.86	113.74	0.65	0.79	0.94	0.87	1.10	+18	−13	−	7	−23	−	6	+	9	−	2	−16	+	5	+10		0	−0.06		
89271	18 13 01.12	+36 58 02.2	9.83	2 H	273.254 672 50	+36.967 272 83		−0.65	−3.03	3.17	0.91	0.97	1.15	1.07	1.11	+11	−20	−16	+	6	+10	−21	+	4	−26	+	5	+	1		0	0.52		
*89272	18 13 01.87	−19 14 13.9	9.58	H	273.257 783 72	−19.237 192 97		21.95	94.82	−64.38	1.78	1.11	1.92	2.10	1.35	−	8	−37	+	0	+	2	+15	−	4	+	5	−36	+	6	−25	0	0.22		
*89273	18 13 01.81	−45 40 07.8	8.32	1 H	273.257 527 10	−45.668 825 92		2.93	10.87	−44.41	0.90	0.56	1.09	1.06	0.60	+	5	−32	−13	+16	−44	+	4	−40	−	8	+21	+	0		1	1.94		
*89274	18 13 01.83	−42 17 17.4	8.05	H	273.257 606 50	−42.288 175 88		8.78	−6.71	−51.63	1.03	0.67	1.12	1.47	0.82	−13	−	8	+	6	+10	+	8	+	5	+	7	−37	+17	−	7	2	−0.97		
89275	18 13 02.31	+28 14 46.9	8.23	H	273.259 623 15	+28.246 358 74		12.39	−3.12	110.66	0.62	0.74	0.96	0.80	0.94	+	8	−	9	+	2	−	4	+	5	+14	+	2	+	1	+17	+27	0	1.18		
89276	18 13 02.49	−23 07 02.2	7.09	3 H	273.260 395 35	−23.117 266 92		−0.95	1.82	−5.60	0.85	0.53	0.92	1.05	0.65	+	9	−37	−12	+	6	−11	+	7	−12	−35	+16	+13		2	2.25		
89277	18 13 03.84	+02 58 50.2	6.82	H	273.265 986 66	+02.980 618 33		8.52	−8.39	−6.91	0.69	0.52	0.77	0.72	0.59	−	4	−22	−16	−	6	+	8	+13	−	7	−17	−	2	−14		0	−1.33		
89278	18 13 04.40	−19 14 46.0	11.65	2 H	273.268 349 06	−19.246 097 34		15.85	95.62	−70.68	2.59	1.66	2.81	3.03	1.99	−	6	−36	+	8	+	2	+	5	−	5	+	0	−40	−	4	−20	0	1.11		
89279	18 13 04.82	+38 46 24.5	6.04	H	273.270 099 12	+38.773 474 63		5.06	−6.68	7.54	0.42	0.42	0.50	0.50	0.50	+	6	−15	−12	+23	+	7	−	6	+	9	−12	+13	+18		0	1.31		
89280	18 13 05.80	+25 17 22.1	8.17	H	273.274 171 94	+25.289 460 33		3.43	−3.10	5.26	0.53	0.73	0.99	0.76	0.96	+	6	−	7	+	2	+	6	+	3	+	3	+	4	+16	−	8	+	1	0	−0.11		
89281	18 13 06.13	−54 58 55.3	9.08	H	273.275 554 88	−54.982 037 91		3.28	1.29	−1.81	1.67	1.07	1.89	1.98	1.24	+	5	−40	−18	+	3	−41	+28	−39	−	7	+21	+13		0	−0.45		
89282	18 13 07.19	+41 28 32.4	7.38	H	273.279 941 37	+41.475 678 92		29.91	51.47	−128.53	0.52	0.50	0.59	0.55	0.58	−	1	+	0	+	2	−	3	+	6	−17	+	7	+	6	+	4	+	5	0	0.31		
89283	18 13 07.30	+04 05 28.4	8.50	H	273.280 425 96	+04.091 211 52		1.01	3.89	3.07	1.03	0.78	1.11	1.21	0.98	+12	−	4	−19	+	4	+15	+14	+21	−10	+15	+28			0	1.43		
89284	18 13 07.44	−71 34 17.3	9.09	H	273.281 017 21	−71.571 483 01		2.78	−10.83	−13.16	0.56	0.82	1.18	0.64	0.92	−	1	−18	−	1	+10	−	5	−	3	−	6	+	9	+	6	−	2	0	2.18		
89285	18 13 07.95	−60 08 35.2	7.08	G	273.283 141 24	−60.143 115 23		17.41	3.47	20.73	0.71	0.56	0.82	0.91	0.65	−	8	−29	−17	+11	+	3	−	3	−	8	−20	+11	−39		0	−2.04		
89286	18 13 09.18	−52 19 52.6	9.74	H	273.288 252 36	−52.331 274 31		9.99	4.35	−42.71	1.67	1.08	1.77	1.94	1.12	−	3	−	2	+	1	+30	−46	−	5	−39	−	2	−	7	+	9	0	0.58		
89287 H	18 13 09.31	+57 49 03.7	9.30	H	273.288 787 26	+57.817 684 11	*	3.94	5.43	21.15	1.76	1.92	1.00	0.93	1.06	+13	−	1	−22	−	2	+	4	+16	+13	−31	+35	+22		0	−0.03		
89288	18 13 09.99	−04 00 42.0	6.59	G	273.291 628 40	−04.011 662 63		10.43	16.34	22.49	0.70	0.51	0.82	0.66	0.51	−	7	−26	−27	−27	−	3	+15	+	1	−28	−	7	−28		0	0.82		
89289	18 13 10.31	+62 18 36.1	10.44	H	273.292 966 71	+62.310 033 95		6.12	−2.85	−31.66	1.14	1.07	1.17	1.25	1.34	+	6	−23	−	3	+	8	+11	−16	+15	+	3	−14	+21		3	−0.73		
89290	18 13 12.70	−41 20 09.9	5.47	2 H	273.302 915 29	−41.336 096 48		1.97	−3.29	−5.94	0.77	0.48	0.84	0.99	0.57	+	6	−30	−10	+27	+34	+	8	+17	−16	+26	−	5		0	0.43		
89291	18 13 14.12	+30 48 59.0	8.95	H	273.308 825 48	+30.816 388 17		1.14	−25.53	30.11	0.72	0.80	1.00	0.75	1.05	+15	−	2	−17	+28	+17	−	2	+20	+	3	+10	+12		0	0.29		
89292	18 13 14.17	−14 26 07.1	8.54	H	273.309 027 41	−14.435 309 47		2.85	1.07	−10.04	1.02	0.62	1.14	1.25	0.75	+	5	−36	−	3	−	7	−12	+24	−15	−39	+16	+	9		0	0.18		
89293	18 13 15.04	−39 26 49.1	9.83	H	273.312 662 10	−39.446 961 93		9.

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
89201	8.111	0.012	7.753	0.014		0.358	0.015	G	0.42	0.02	H	7.7942	0.0017	0.012	75		7.77	7.82					1							S
89202	10.544	0.040	8.545	0.014		1.693	0.035	T	1.96	0.09	O	8.4386	0.0023	0.021	97		8.40	8.48					1							
89203	7.773	0.009	7.240	0.008		0.579	0.019	G	0.65	0.02	H	7.2708	0.0025	0.023	84		7.20	7.30		U 2			1							S
89204	9.249	0.015	7.835	0.009		1.194	0.014	T	1.15	0.01	L	7.8773	0.0018	0.014	113		7.85	7.90					1							S
89205	8.719	0.010	7.483	0.007		1.055	0.010	T	1.02	0.01	L	7.5493	0.0009	0.011	121		7.53	7.57		C			1							S
89206						0.840	0.020	G	0.86	0.01	H	11.5863	0.0098	0.058	69		11.49	11.66					1							G
89207	9.332	0.022	8.539	0.018	A	0.756	0.126	G	0.72	0.04	L *	8.5815	0.0022	0.012	64	*	8.56	8.61		C	18123+0154	I 1	2 C	A	AB	109	2.136	0.024	3.05	0.10	
89208	10.211	0.023	9.004	0.015		1.032	0.021	T	1.00	0.02	L	9.0704	0.0018	0.020	157		9.03	9.10		C			1							
89209	9.781	0.024	8.746	0.017		0.900	0.022	T	0.90	0.02	L	8.7715	0.0028	0.019	68		8.74	8.80		C	18124−5530	I 1	1							
89210	9.278	0.017	9.231	0.023		0.057	0.002	G	0.07	0.00	H	9.1397	0.0044	0.033	91		9.09	9.20		R	18124−4836	I 1	1 X	S						
89211	10.032	0.028	8.521	0.014		1.297	0.016	G	1.47	0.00	A	8.4758	0.0014	0.014	114		8.45	8.51					1							
89212	10.903	0.050	9.208	0.020		1.500	0.040	G	1.50	0.10	R	9.1584	0.0015	0.014	99		9.13	9.18					1							
89213	10.781	0.054	8.982	0.020		1.498	0.046	T	1.52	0.07	L	8.9387	0.0016	0.016	108		8.92	8.97		C			1							
89214	9.296	0.019	8.834	0.018		0.449	0.021	T	0.52	0.02	L	8.9018	0.0020	0.016	75		8.88	8.93		C			1							
89215						0.755	0.013	G	0.80	0.01	H	10.4991	0.0049	0.033	63		10.44	10.55		C			1							G
89216	8.332	0.014	7.778	0.014		0.548	0.015	G	0.62	0.01	H	7.8438	0.0013	0.010	66		7.83	7.87			18124−0718	I 1	1							S
89217	8.097	0.010	8.173	0.013		−0.090	0.015	G	−0.07	0.02	H	8.1872	0.0013	0.014	107		8.16	8.23					1							S
89218	9.590	0.022	8.581	0.016		0.881	0.020	T	0.89	0.01	L	8.5170	0.0021	0.016	67		8.50	8.55		C			1							
89219	9.655	0.022	9.196	0.023		0.446	0.025	T	0.52	0.03	L	9.2675	0.0023	0.017	79		9.23	9.30					1							
89220	9.363	0.029	8.232	0.020		0.973	0.027	T	0.96	0.02	L	8.2540	0.0021	0.015	71		8.23	8.31					1	S						
89221	10.298	0.026	8.468	0.011		1.522	0.022	T	1.56	0.03	L	8.4296	0.0020	0.015	113		8.40	8.45		C			1							
89222	7.666	0.009	7.520	0.010		0.140	0.015	G	0.15	0.01	H	7.5585	0.0017	0.013	69		7.53	7.58					1							S
89223	8.223	0.013	8.136	0.016	A	0.135	0.015	G	0.15	0.01	H *	8.1112	0.0017	0.010	72	*	8.09	8.12		D	18125−1522	I 1	2 C	A	AB	279	3.930	0.025	2.96	0.10	
89224	7.145	0.007	7.252	0.008		−0.097	0.017	G	−0.08	0.02	H	7.2482	0.0011	0.010	80		7.23	7.26					1							S
89225	8.031	0.012	8.145	0.016		−0.110	0.003	G	−0.09	0.00	H	8.1210	0.0041	0.024	69		8.09	8.16	1.97	P 1 A			1							
89226	9.422	0.019	8.964	0.020		0.432	0.025	T	0.50	0.03	L	9.0067	0.0027	0.016	76		8.96	9.04					1							
89227	8.967	0.011	8.398	0.011		0.532	0.014	T	0.60	0.01	L	8.4808	0.0014	0.013	128		8.46	8.50		C			1							
89228	10.020	0.025	9.191	0.019		0.730	0.024	T	0.77	0.02	L	9.2799	0.0023	0.020	108		9.25	9.31		C			1							
89229	8.086	0.008	7.858	0.010		0.218	0.012	T	0.24	0.01	L	7.8951	0.0021	0.016	115		7.87	7.92		U			1							S
89230	8.420	0.007	7.105	0.004		1.117	0.006	T	1.08	0.01	L	7.1475	0.0008	0.010	202		7.13	7.17		C			1							S
89231	10.841	0.039	10.258	0.040		0.545	0.049	T	0.62	0.04	L	10.3241	0.0030	0.033	153		10.28	10.38		C			1	S						G
89232	9.919	0.027	9.342	0.026		0.542	0.028	T	0.62	0.03	L	9.3318	0.0030	0.021	89		9.30	9.37					1	S						
89233	10.541	0.035	8.563	0.012	A	1.635	0.143	G	1.77	0.21	K *	8.3967	0.0021	0.021	148	*	8.36	8.43		D	18126+3135	I 1	2 C	A	AB	173	8.750	0.011	2.41	0.05	
89234	6.446	0.003	5.951	0.003	A	0.464	0.004	G	0.53	0.00	H *	5.9605	0.0006	0.007	182	*	5.95	5.97		D	18126−7340	I 1	2 C	A	AB	260	2.324	0.014	3.27	0.06	S
89235	7.928	0.006	7.592	0.006	*	0.358	0.015	G	0.42	0.02	H *	7.6280	0.0012	0.011	108	*	7.61	7.65		D	18126+1224	H 1	2 C	S A	AB	139	0.163	0.008	0.84	0.24	S
89236	9.089	0.017	8.656	0.017	*	0.409	0.022	T	0.48	0.02	L *	8.5795	0.0018	0.018	66	*	8.55	8.63		D	18126−0329	I 1	2 C	A	AB	306	0.781	0.005	0.29	0.02	
89237	8.823	0.011	8.244	0.010	*	0.541	0.013	T	0.61	0.01	L *	8.2433	0.0012	0.013	141	*	8.21	8.26		D	18126+3836	I 1	2 C	A	AB	326	0.624	0.002	0.53	0.01	S
89238	7.739	0.014	7.414	0.016		0.312	0.023	T	0.36	0.03	L	7.4463	0.0025	0.020	80		7.40	7.48	2.62	P 1 A			1							S
89239	12.294	0.186	10.985	0.084		1.300	0.040	G	1.27	0.04	J	10.9734	0.0036	0.038	117		10.89	11.03					1							G
89240	8.739	0.017	8.280	0.013	*	0.446	0.015	G	0.52	0.02	H *	8.5188	0.0015	0.017	123	*	8.48	8.55		D	18127+4124	I 1	2 C	A	AB	175	1.965	0.004	1.29	0.02	
89241	10.096	0.031	9.402	0.027		0.628	0.031	T	0.70	0.03	L	9.4959	0.0025	0.022	81		9.46	9.53		C			1							
89242	6.766	0.006	6.693	0.005		0.072	0.007	T	0.08	0.01	L	6.7078	0.0012	0.009	72		6.69	6.72		C			1							S
89243	9.927	0.026	9.570	0.027	*	0.338	0.034	T	0.39	0.05	L *	9.5565	0.0039	0.033	93	*	9.52	9.65		U 2 C	18127+5446	M 1	2 C	A	AB	343	0.428	0.005	0.96	0.03	
89244	10.467	0.024	9.084	0.012		1.170	0.021	T	1.13	0.02	L	9.1333	0.0018	0.022	219		9.09	9.18					1	S						
89245	11.184	0.049	9.655	0.021		1.285	0.042	T	1.24	0.04	L	9.7166	0.0026	0.020	133		9.67	9.75		C			1							
89246	7.715	0.007	6.468	0.004		1.038	0.007	G	1.01	0.01	H	6.5260	0.0006	0.008	120		6.51	6.54					1							S
89247	9.081	0.010	8.316	0.008		0.697	0.010	T	0.75	0.01	L	8.3463	0.0014	0.017	199		8.32	8.38					1 X	S						
89248	9.329	0.015	8.720	0.014		0.567	0.018	T	0.64	0.02	L	8.7882	0.0019	0.014	113		8.76	8.82					1							S
89249	12.586	0.217	11.152	0.103		1.210	0.188	T	1.17	0.18	L	11.0957	0.0054	0.049	118		11.03	11.18					1							G
89250	9.918	0.019	9.181	0.016		0.660	0.019	T	0.72	0.02	L	9.2734	0.0022	0.023	140		9.24	9.32					1							
89251	10.111	0.037	7.932	0.012		1.800	0.015	G	1.78	0.01	J	7.8307	0.0027	0.014	68		7.81	7.86					1							
89252	7.725	0.011	7.700	0.015	A	0.144	0.139	G	0.06	0.02	L *	7.6096	0.0014	0.011	69	*	7.58	7.63		D	18128+0549	I 1	2 C	A	AB	66	1.461	0.009	2.01	0.04	S
89253	11.688	0.090	9.853	0.028		1.558	0.078	T	1.71	0.17	K	9.8069	0.0026	0.023	126		9.77	9.84					1							
89254	9.074	0.013	8.632	0.013		0.417	0.017	T	0.48	0.02	L	8.6813	0.0015	0.014	103		8.65	8.71					1							
89255	9.152	0.012	7.162	0.005		1.686	0.011	T	1.98	0.03	O	7.0514	0.0022	0.016	147		7.02	7.08		U 2			1							S
89256	8.177	0.006	8.135	0.008		0.038	0.009	T	0.05	0.01	L	8.1459	0.0015	0.019	185		8.12	8.18					1							S
89257	9.873	0.019	8.830	0.013		0.906	0.017	T	0.91	0.01	L	8.9016	0.0015	0.018	128		8.87	8.93		C			1							
89258						1.500	0.510	G	1.93	0.56	K	8.6050	0.1543	1.135	64		7.47	11.14	231.50	P 1 B			1							G P
89259	9.598	0.023	9.142	0.023		0.430	0.030	T	0.50	0.03	L	9.1908	0.0017	0.016	67		9.16	9.22		C			1							
89260	10.766	0.039	9.311	0.018		1.605	0.218	G	1.61	0.24	R	9.3512	0.0030	0.030	144		9.30	9.41		U	18129+2233	I 2	1							
89261	10.662	0.037	8.796	0.014		1.584	0.033	T	1.64	0.10	O	8.7344	0.0018	0.019	131		8.70	8.78					1							
89262	8.752	0.014	8.314	0.014		0.497	0.011	G	0.57	0.01	H	8.3159	0.0021	0.018	75		8.29	8.35					1							
89263	8.324	0.014	8.219	0.016		0.131	0.009	G	0.15	0.01	H	8.2261	0.0018	0.017	68		8.21	8.26					1							
89264	6.938	0.005	6.572	0.005	A	0.351	0.028	G	0.41	0.03	H *	6.5833	0.0021	0.013	94	*	6.57	6.61		R	18129−5034	I 1	2 C	A	AB	132	1.618	0.027	3.55	0.10	S
89265	8.334	0.010	8.292	0.013		0.048	0.015	G	0.06	0.01	H	8.2984	0.0013	0.013	102		8.27	8.33					1							
89266	10.197	0.024	8.766	0.013	A	1.208	0.021	T	1.17	0.02	L	8.7747	0.0095	0.029	145	A	8.73	8.83		U	18129+2233	I 2	2 C	A	AB	30	14.693	0.018	2.26	0.08	
89267	9.482	0.015	9.086	0.016		0.375	0.020	T	0.44	0.02	L	9.1145	0.0024	0.024	145		9.07	9.15		U			1							
89268	9.813	0.020	9.051	0.016	*	0.695	0.020	T	0.75	0.02	L *	9.0827	0.0024	0.022	125	*	9.05	9.12		D	18130+3318	I 1	2 C	A	AB	246	0.338	0.019	2.05	0.17	
89269	7.998	0.010	7.332	0.010	A	0.599	0.015	G	0.66	0.01	L *	7.3794	0.0013	0.009	72	*	7.36	7.39		C	18130−3910	I 1	2 C	B	AB	314	1.218	0.098	3.51	0.23	S
89270	8.711	0.010	8.149	0.009		0.578	0.007	G	0.65	0.01	H	8.2040	0.0012	0.015	146		8.18	8.23			18130+2815	I 2	1 G							S
89271	11.893	0.121	10.040	0.035		1.573	0.104	T	2.05	0.23	K	9.9052	0.0094	0.070	111		9.82	10.07		U 2			1							
89272	10.764	0.068	9.710	0.044							T	9.7150	0.0041	0.027	70		9.66	9.76			18130−1914	I 2	1							G
89273	8.937	0.013	8.375	0.013		0.526	0.016	T	0.60	0.02	L	8.4373	0.0017	0.016	121		8.41	8.47		M			1							
89274	8.498	0.011	8.102	0.012		0.375	0.015	T	0.44	0.02	L	8.1356	0.0011	0.012	73		8.11	8.16					1							
89275	8.846	0.010	8.281	0.009		0.529	0.012	T	0.60	0.01	L	8.3420	0.0013	0.015	148		8.31	8.37			18130+2815	I 2	1							S
89276	8.257	0.062	7.175	0.043		0.615	0.020	G	0.72	0.01	A	7.2303	0.0287	0.320	65		6.73	7.51	5.06	P 1 A			1							S
89277	6.959	0.005	6.832	0.007		0.123	0.008	T	0.14	0.01	L	6.8679	0.0006	0.007	78		6.86	6.88					1							S
89278	11.619	0.202	10.513	0.124		2.106	0.400	G	4.08	1.18	I	11.0740	0.0103	0.063	72		10.97	11.19		U	18130−1914	I 2	1							D
89279	5.962	0.003	6.030	0.003		−0.057	0.004	T	−0.04	0.00	L	6.0295	0.0006	0.006	140		6.02	6.04		C			1							S
89280	9.839	0.015	8.283	0.008		1.306	0.013	T	1.27	0.01	L	8.3249	0.0016	0.018	176		8.29	8.35					1							S
89281	11.259	0.087	9.264	0.026		1.653	0.072	T	1.68	0.07	L	9.1929	0.0028	0.020	67		9.16	9.22		C			1							
89282	8.119	0.010	7.453	0.007		0.649	0.004	G	0.71	0.00	H	7.5115	0.0009	0.010	128		7.49	7.53		C			1							S
89283	9.914	0.028	8.629	0.017		1.093	0.026	T	1.05	0.03	L	8.6679	0.0023	0.016	66		8.62	8.70					1							
89284	10.568	0.024	9.191	0.013		1.165	0.021	T	1.13	0.02	L	9.2569	0.0018	0.023	224		9.22	9.30					1							
89285	7.557	0.008	7.131	0.007		0.430	0.004	G	0.50	0.00	H	7.1725	0.0010	0.012	85		7.15	7.19		C			1							S
89286	10.505	0.040	9.779	0.034		0.652	0.040	T	0.72	0.04	L	9.8755	0.0034	0.025	78		9.82	9.92		C			1							G
89287	9.649	0.018	9.336	0.021	*	0.297	0.026	T	0.34	0.04	L *	9.3745	0.0019	0.019	111	*	9.34	9.41		D	18132+5749	H 1	2 C	A	AB	286	0.222	0.021	2.03	0.34	
89288	6.918	0.006	6.605	0.006		0.276	0.004	G	0.30	0.03	C	6.6558	0.0008	0.006	73		6.65	6.67		C			1							S
89289	11.041	0.053	10.320	0.042		0.662	0.054	T	0.72	0.04	L	10.5209	0.0030	0.030	95		10.47	10.57		C			1							G
89290	5.262	0.004	5.440	0.005		−0.155	0.006	T	−0.15	0.01	L	5.4118	0.0027	0.016	69		5.37	5.46		U 2			1							S
89291	10.222	0.024	9.071	0.015		0.989	0.022	T	0.97	0.02	L	9.1149	0.0017	0.018	142		9.08	9.16					1							
89292	8.807	0.014	8.562	0.015		0.233	0.019	T	0.26	0.02	L	8.6136	0.0016	0.012	81		8.59	8.65					1 G							
89293	10.722	0.053	9.919	0.042		0.711	0.052	T	0.77	0.04	L	9.9653	0.0030	0.026	70		9.92	10.00		C			1							G
89294	7.413	0.006	6.829	0.006		0.545	0.008	T	0.62	0.01	L	6.8879	0.0010	0.008	107		6.87	6.90		C			1							S
89295	7.497	0.007	7.385	0.008		0.134	0.015	G	0.15	0.01	H	7.4012	0.0010	0.009	74		7.39	7.42		C			1							S
89296	8.072	0.009	7.853	0.009		0.228	0.015	G	0.25	0.02	H	7.8931	0.0014	0.016	125		7.87	7.92					1							S
89297	7.597	0.009	7.593	0.011		0.008	0.013	T	0.03	0.01	L	7.6192	0.0018	0.011	73		7.60	7.63		C			1							S
89298	8.069	0.006	6.305	0.003		1.472	0.002	G	1.48	0.06	F	6.2723	0.0007	0.009	167		6.26	6.28		C			1 X							S
89299	10.870	0.059	9.547	0.032	A	1.123	0.052	T	1.09	0.05	L	9.6652	0.0175	0.091	106	A	9.59	9.88		U	18133+4944	M 1	2 C	A	AB	71	14.294	0.010	0.63	0.04	
89300	9.031	0.017	8.428	0.015	*	0.562	0.020	T	0.64	0.02	L *	8.4426	0.0024	0.017	70	*	8.41	8.47		D	18133−0324	I 1	2 C	A	AB	82	0.383	0.005	0.72	0.06	

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)																						Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr																								%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28													29	30
89301 H	18 13 18.78	+09 05 49.4	7.98	G	273.328 245 56	+09.097 063 15	A	9.39	15.22	−15.88	1.65	1.57	2.03	1.79	1.93	+38	−10	− 4	−35	− 8	−14	− 4	−33	−20	+28													8	2.78
89302	18 13 19.10	−27 12 54.4	8.06	G	273.329 582 41	−27.215 121 52		1.65	−4.24	−7.39	1.14	0.82	1.25	1.60	0.95	+ 7	−37	−35	+21	+48	−26	+19	−48	+27	−25													0	−0.61
89303	18 13 20.72	+07 47 21.6	8.11	H	273.336 334 08	+07.789 325 68		2.81	15.98	−1.04	0.84	0.75	1.04	0.95	0.92	+ 6	−13	−19	−26	−16	+17	− 9	−33	−12	+24													0	−1.32
89304	18 13 21.20	−59 31 05.5	9.12	H	273.338 334 13	−59.518 187 78		2.89	0.99	12.50	1.14	0.90	1.26	1.46	1.04	+ 0	− 2	+ 6	− 6	−31	− 9	−28	−15	+ 1	+ 3													0	0.56
89305	18 13 21.39	−00 45 47.0	9.73	G	273.339 108 17	−00.763 048 55		16.14	−123.53	−143.28	1.24	0.93	1.46	1.38	1.05	+ 2	−20	+ 6	− 3	− 2	+19	+ 1	−19	−14	+ 6													0	1.15
89306	18 13 22.16	−22 02 23.9	9.26	H	273.342 350 92	−22.039 981 59		2.19	4.29	−1.69	1.36	0.84	1.46	1.58	0.99	+ 9	−41	−18	+19	+ 4	− 3	− 9	−32	+13	−15													0	−1.28
89307	18 13 22.53	−25 09 04.7	7.85	H	273.343 857 03	−25.151 300 42		6.67	5.93	−33.30	0.95	0.57	1.00	1.10	0.67	− 3	−41	− 8	+14	+14	− 8	+ 5	−28	+ 2	−24													0	−1.10
89308	18 13 23.07	+36 09 09.5	8.72	H	273.346 140 59	+36.152 635 57		1.53	−9.06	−16.38	0.70	0.74	0.94	0.77	0.92	+ 3	−17	−11	+10	− 1	−26	− 5	− 5	+ 1	− 7													0	−0.38
89309	18 13 25.14	+11 53 03.4	6.88	H	273.354 749 02	+11.884 289 38		5.37	−11.78	−5.03	0.65	0.61	0.99	0.87	0.71	−20	−16	−40	−25	+44	−29	+33	−35	+17	−23													2	0.72
89310	18 13 25.84	−48 57 27.1	9.03	H	273.357 659 50	−48.957 528 03		7.06	22.71	1.45	1.08	0.72	1.29	1.26	0.78	−13	−23	+ 3	+29	−28	+ 6	−26	+ 4	+19	+ 0													5	2.02
89311	18 13 26.25	+64 45 57.7	9.43	H	273.359 362 48	+64.766 038 90		−0.41	−5.90	−19.62	0.76	0.81	0.82	0.86	0.88	+ 5	−21	+ 5	−15	+ 5	+ 3	+ 8	−26	−12	+26													0	0.66
89312	18 13 26.70	+46 13 21.4	9.21	H	273.361 256 44	+46.222 624 06		7.08	−53.07	139.40	1.10	1.13	1.26	1.22	1.29	+ 5	−13	− 8	− 1	+ 5	−18	+ 5	+17	−10	+ 9													3	
89313	18 13 26.91	+26 14 38.9	7.26	H	273.362 115 92	+26.244 126 99		5.53	12.03	−43.38	0.46	0.58	0.76	0.54	0.63	+ 0	− 7	+ 3	+ 4	+15	− 4	+14	− 2	+ 7	+14													0	−0.05
89314	18 13 28.43	−78 31 22.7	9.03	H	273.368 457 75	−78.522 977 17		0.28	0.67	4.47	0.79	0.88	1.12	0.94	1.15	−15	−26	− 8	+ 3	− 5	+ 9	− 2	+ 7	− 7	−22													0	0.31
89315	18 13 28.46	−39 42 40.4	7.68	H	273.368 602 49	−39.711 213 08		10.77	4.46	−145.50	0.95	0.60	1.00	1.16	0.67	− 2	−36	+ 0	+14	+ 7	−11	− 3	−27	+ 7	−22													0	−1.20
89316	18 13 28.51	−67 48 30.8	8.37	2 H	273.368 808 31	−67.808 559 18		1.47	9.74	−23.46	0.70	0.69	1.05	0.86	0.75	+ 5	− 8	− 5	−20	− 1	+ 6	− 4	− 7	+19	+17													0	−0.40
89317	18 13 29.30	+43 19 54.5	7.29	H	273.372 102 76	+43.331 817 17		5.80	−5.31	−35.03	0.55	0.53	0.61	0.68	0.67	+ 1	+11	+ 7	+ 6	+ 4	−14	+ 6	+26	− 1	− 3													1	0.05
89318	18 13 30.30	+39 44 16.9	8.77	H	273.376 252 34	+39.738 021 45		15.69	−35.22	−21.69	0.70	0.72	0.86	0.69	0.92	+ 6	−20	−14	+ 5	+11	−17	+ 8	− 6	+ 9	− 5													0	0.24
89319	18 13 30.46	−28 15 18.9	9.24	G	273.376 906 07	−28.255 261 12		5.50	3.54	1.13	1.21	0.84	1.37	1.47	0.96	+22	−40	−32	+ 3	+ 3	−13	−16	−44	+24	− 9													0	0.21
89320	18 13 30.75	+81 04 33.3	11.15	H	273.378 144 84	+81.075 926 27		24.35	61.94	−65.40	1.70	1.86	1.99	2.23	2.58	+13	−16	− 7	− 6	− 9	+28	− 4	−16	−11	+19													0	−0.24
89321	18 13 33.33	−33 29 54.6	8.49	G	273.388 858 21	−33.498 491 00		19.22	−137.72	−234.59	1.26	0.75	1.44	1.58	0.90	+12	−47	−33	+21	+25	−17	− 1	−42	+31	−15													0	−0.79
89322	18 13 33.53	−35 38 23.4	9.62	H	273.389 693 15	−35.639 825 64		4.09	17.41	−40.75	1.46	0.98	1.70	2.13	1.13	− 5	−17	−13	+ 4	+ 1	−26	− 8	−38	− 3	−27													0	−0.62
89323	18 13 34.38	+13 38 34.1	7.86	H	273.393 250 16	+13.642 794 22		2.00	−15.48	10.84	0.67	0.62	1.06	1.02	0.77	− 8	−10	−16	−15	+34	−25	+25	−25	+21	+ 6													0	1.30
89324	18 13 34.57	−65 14 13.3	12.03	3 H	273.394 026 99	−65.237 028 19		−2.75	−0.86	−6.25	1.93	2.41	4.20	2.06	2.84	+ 9	−33	− 8	−18	+ 7	+ 6	+14	−21	−17	+27													2	3.12
89325	18 13 35.15	+45 39 59.4	7.49	H	273.396 464 41	+45.666 492 38		4.65	18.26	4.77	0.56	0.56	0.64	0.60	0.60	+ 1	−28	− 5	+ 1	+ 3	+ 4	+ 1	+16	+ 1	+11													0	2.05
89326	18 13 35.39	−34 19 01.7	10.43	3 H	273.397 452 59	−34.317 125 04		4.30	30.85	−21.99	1.63	1.01	1.75	2.09	1.18	− 1	−25	− 9	+12	+ 5	− 5	− 2	−30	+ 8	−16													2	−0.11
89327	18 13 35.64	+68 38 20.4	8.76	H	273.398 508 57	+68.638 997 33		2.54	4.42	−13.72	0.72	0.68	0.74	0.83	0.80	− 1	−21	+16	−13	− 2	− 2	− 4	+ 7	− 7	+17													0	0.59
89328	18 13 35.94	−24 16 50.1	8.23	H	273.399 756 37	−24.280 577 30		0.02	−0.23	−18.30	1.02	0.59	1.08	1.35	0.75	+ 8	−34	−12	+28	+ 8	+ 7	+ 3	−15	+17	+ 8													0	−0.71
89329 H	18 13 36.70	+09 46 24.6	7.78	H	273.402 923 22	+09.773 498 70	A	5.17	−19.04	−27.98	2.64	2.42	3.19	2.69	2.60	+45	−30	−32	−10	− 4	+ 2	−32	−48	+ 7	−21													0	−0.88
89330	18 13 37.34	−31 58 02.3	6.79	H	273.405 563 07	−31.967 315 17		3.20	−2.95	−7.95	0.85	0.53	0.90	1.17	0.65	+21	−29	− 9	+ 9	− 2	+17	+ 3	−37	+ 9	+35													0	1.13
89331	18 13 38.20	+10 49 33.9	7.12	H	273.409 183 96	+10.826 071 59		4.12	−16.52	3.74	0.66	0.59	0.87	0.71	0.71	+23	−40	−18	−22	+ 0	+24	− 6	−23	+27	+29													4	1.36
89332 H	18 13 38.77	−44 29 59.7	8.94	H	273.411 523 00	−44.499 915 71	A	3.02	−0.20	−10.64	2.77	2.02	2.86	3.12	1.86	+ 4	−14	+ 9	+27	−24	− 4	−21	+17	+ 0	+37													0	−0.58
89333	18 13 40.09	+15 22 30.6	8.49	H	273.417 048 25	+15.375 156 98		6.26	1.59	−17.96	0.75	0.71	1.05	1.02	0.97	+ 3	− 3	−11	+ 0	+35	−13	+32	+12	+30	− 9													0	1.47
89334	18 13 40.41	−32 30 16.2	9.52	H	273.418 366 64	−32.504 510 68		7.81	−3.72	−31.46	1.55	1.02	1.64	2.09	1.17	+ 9	− 6	−15	+19	+11	+ 4	+12	−41	+21	+17													0	0.08
89335	18 13 40.83	−41 07 36.1	7.00	H	273.420 131 13	−41.126 706 85		3.03	49.45	−51.99	0.88	0.55	1.00	1.15	0.68	+13	−29	−19	+30	+29	− 3	+10	−20	+34	− 4													0	0.77
*89336	18 13 41.85	+42 52 45.8	8.12	H	273.424 385 11	+42.879 393 59		3.92	−6.70	9.53	0.58	0.60	0.67	0.64	0.73	− 4	+ 4	+ 1	+ 0	+ 9	−13	+10	+22	− 1	− 2													0	1.25
*89337	18 13 41.62	−81 10 47.0	10.58	G	273.423 418 38	−81.179 719 86		12.63	−126.56	−259.86	1.13	1.19	1.49	1.18	1.28	+ 6	−24	−13	−10	−12	+ 5	− 8	− 9	−15	−13													0	1.36
89338	18 13 42.92	−75 33 02.4	7.12	H	273.428 836 59	−75.550 671 26		4.27	−1.97	−22.13	0.46	0.54	0.69	0.56	0.61	− 2	− 9	− 3	−12	−15	− 6	−12	−17	−20	−25													1	−0.11
89339	18 13 43.27	−37 15 04.9	8.07	H	273.430 286 18	−37.251 354 91		7.33	−4.22	6.03	1.07	0.71	1.11	1.55	0.87	−10	+ 1	+ 5	+21	−24	−13	−22	−26	− 9	−13													4	1.24
89340	18 13 43.39	+00 41 06.8	8.01	H	273.430 775 10	+00.685 233 02		3.31	−21.46	12.11	0.83	0.63	0.95	0.73	0.62	+ 5	−38	−15	+16	+ 4	+ 9	+ 4	−19	+ 6	+13													0	−0.82
89341	18 13 45.81	−21 03 31.8	3.84	2 T	273.440 869 63	−21.058 830 31		0.11	1.72	−1.39	0.90	0.58	0.98	0.87	0.64	−14	−49	−25	− 2	+34	−14	+12	−52	+26	−39													0	−1.32
89342	18 13 47.48	−46 18 44.9	6.82	H	273.447 851 05	−46.312 460 48		9.80	0.15	−52.46	0.69	0.47	0.83	0.83	0.49	+ 1	−17	− 8	+12	−32	−18	−32	−17	+ 8	− 7													0	0.50
89343	18 13 48.06	+72 31 17.1	9.70	H	273.450 241 19	+72.521 425 74		4.19	−1.14	4.99	0.81	0.73	0.82	0.92	0.88	+ 2	−27	− 3	− 2	+10	− 3	+14	+ 6	−17	+11													0	1.54
89344	18 13 48.65	+66 28 20.7	8.06	H	273.452 702 38	+66.472 428 54		7.21	−9.16	7.57	0.57	0.62	0.64	0.41	0.73	+ 1	−10	+ 0	−69	− 7	+ 6	− 3	+ 4	− 7	− 8													1	−0.51
89345	18 13 48.71	−43 12 15.5	6.94	H	273.452 952 68	−43.204 299 67		6.98	−12.74	−14.92	0.86	0.58	1.02	1.23	0.77	− 3	−32	− 2	−18	−16	−11	−17	−52	+19	+ 0													0	0.34
89346	18 13 49.34	+26 36 43.6	9.44	H	273.455 578 15	+26.612 111 99		3.46	5.89	10.26	0.75	0.96	1.22	0.91	1.02	+10	− 7	+ 3	+ 4	+17	+ 0	+15	− 5	+ 9	+15													1	−1.33
89347	18 13 52.22	+02 23 36.6	6.43	H	273.467 589 69	+02.393 492 29		2.78	−1.39	−11.19	0.73	0.51	0.79	0.69	0.55	+ 2	−28	− 9	−18	−11	+ 5	−12	−29	+ 1	− 3													0	0.89
89348	18 13 53.36	+64 23 49.9	4.99	H	273.472 327 10	+64.397 199 35		42.56	351.62	36.05	0.44	0.44	0.45	0.48	0.47	+19	−17	− 8	−14	− 4	− 1	− 3	−27	+ 2	+32													0	1.53
89349	18 13 54.79	+26 45 22.8	8.12	H	273.478 306 50	+26.756 337 22		9.11	15.81	−14.80	0.57	0.68	0.91	0.69	0.73	+ 6	−11	− 8	+ 4	+18	− 8	+13	− 4	+21	+11													1	−0.48
89350	18 13 55.35	+16 24 58.8	7.86	H	273.480 620 91	+16.416 338 45		5.12	−34.90	−18.85	0.69	0.65	1.02	1.04	0.94	− 6	+ 2	−13	− 7	+32	−23	+31	− 3	+15	−39													2	1.23
89351 H	18 13 56.79	−74 18 37.4	8.32	H	273.486 615 46	−74.310 385 46	A	3.28	10.04	4.30	0.74	0.94	1.10	0.72	0.89	− 7	−14	−16	+14	− 9	− 4	−11	+17	− 5	−13													2	−0.30
89352	18 13 59.02	+20 16 37.6	7.35	H	273.495 932 96	+20.277 120 71		1.93	8.33	8.13	0.60	0.61	0.81	0.64	0.64	+ 9	− 1	+13	+25	+41	+ 6	+40	+25	+ 4	+ 8													0	0.31
89353	18 13 59.52	−44 39 04.2	7.46	H	273.497 981 08	−44.651 171 66		4.26	4.65	−17.04	0.79	0.49	0.97	0.95	0.53	−10	−25	− 1	+30	−42	+ 1	−36	+11	+12	+11													0	−2.41
89354	18 13 59.65	−42 34 30.7	9.33	H	273.498 528 47	−42.575 182 56		23.26	36.35	−78.77	1.28	0.86	1.46	1.85	1.14	−21	−20	+10	−12	− 5	− 3	− 3	−41	+11	−14													0	−2.53
89355	18 14 01.13	+09 26 30.6	7.71	H	273.504 719 70	+09.441 826 03		1.85	−4.51	−3.20	0.90	0.82	1.26	1.09	1.20	+58	−33	−21	−32	−20	+13	−11	−30	−16	+36													0	−0.68
89356	18 14 02.36	−28 41 27.2	8.82	G	273.509 849 90	−28.690 877 15		6.86	−0.60	−13.31	1.10	0.75	1.25	1.33	0.87	+15	−39	−35	+ 7	+ 6	−13	−15	−34	+23	−32													0	0.85
89357	18 14 02.40	−34 17 21.1	7.91	H	273.510 003 79	−34.289 195 44		2.88	0.24	−4.24	0.92	0.57	0.99	1.12	0.66	−12	−33	− 7	+ 3	+18	− 4	+10	−34	+ 5	−28													2	0.46
*89358	18 14 03.79	−83 24 50.5	8.16	H	273.515 795 46	−83.414 032 07		7.09	9.12	2.78	0.61	0.65	0.78	0.70	0.77	− 7	−24	− 1	+27	−10	−14	−11	+18	+ 3	−17													0	2.88
*89359	18 14 03.78	−62 56 40.3	8.35	H	273.515 734 10	−62.944 519 79		3.47	−16.13	−9.20	0.75	0.71	1.03	0.91	0.83	+ 8	− 3	− 6	+ 5	+ 9	+ 8	+12	−17	+ 8	+36													0	−1.90
89360	18 14 04.86	+31 32 23.5	7.59	G	273.520 247 67	+31.539 853 91		12.55	6.43	52.89	0.48	0.56	0.71	0.55	0.74	+ 6	− 6	−19	+ 4	+ 5	−17	+ 3	+ 7	+ 2	− 5													0	−0.05
89361	18 14 06.96	−38 24 43.0	7.26	G	273.528 993 05	−38.411 952 04		3.65	2.13	−13.57	0.75	0.53	0.88	0.99	0.59	+ 2	−27	−25	+16	+19	−31	− 6	−37	+24	−38													0	−0.25
89362	18 14 07.73	+28 12 59.3	6.84	H	273.532 211 60	+28.216 484 58		5.02	−11.89	−39.67	0.46	0.55	0.70	0.61	0.71	+ 6	− 7	− 2	− 6	+ 1	+ 2	+ 3	−17	+ 6	+28													0	−0.22
89363	18 14 07.85	−48 32 25.0	8.42	H	273.532 715 30	−48.540 271 50		7.20	−2.07	−10.07	1.11	0.60	1.26	1.18	0.75	−15	−46	− 7	+41	−31	− 7	−45	+10	+34	−24													0	−0.63
89364	18 14 09.87	−37 37 15.5	7.63	H	273.541 145 72	−37.620 976 83		4.00	−1.44	−4.90	0.90	0.62	0.98	1.24	0.68	+14	−11	− 7	+ 4	−19	−27	−27	−38	+ 2	−11													0	1.25
89365	18 14 10.69	+06 45 02.0	8.85	H	273.544 560 88	+06.750 566 81		0.89	8.89	4.15	1.08	0.94	1.35	1.08	0.99	+21	−38	−41	−29	− 2	+18	+ 0	−43	+23	+28													0	2.67
89366	18 14 10.83	−27 30 09.9	7.16	G	273.545 109 88	−27.502 755 89		4.49	−0.74	−24.68	0.91	0.70	1.02	1.24	0.81	−14	−33	−31	− 5	+43	−31	+16	−58	+22	−52													0	−0.19
89367	18 14 12.26	+64 45 08.3	7.34	H	273.551 101 52	+64.752 308 43		3.12	−2.00	18.44	0.53	0.53	0.56	0.60	0.56	+ 5	−14	+ 3	−11	+ 5	+ 1	+ 8	−24	− 8	+26													1	0.53
89368	18 14 14.42	+70 50 04.0	7.09	H	273.560 089 72	+70.834 449 26		6.55	19.48	−4.55	0.54	0.49	0.53	0.57	0.56	− 2	−23	+ 1	−31	+13	− 9	+12	+10	−17	+10													0	0.47
89369	18 14 15.91	−21 42 47.2	5.49	1 H	273.566 292 34	−21.713 107 08		6.45	−15.00	−23.40	0.87	0.54	0.95	0.95	0.62	− 7	−48	−25	+14	+21	− 8	− 1	−44	+20	−40													0	−0.68
89370	18 14 16.36	−63 41 22.3	6.47	G	273.568 148 99	−63.689 541 00		5.31	−26.31	−57.99	0.60	0.53	0.78	0.66	0.56	+16	−17	+ 2	− 7	− 4	+ 4	− 2	−23	− 5	+22													0	0.59
89371	18 14 17.64	−45 56 58.3	10.14	H	273.573 510 88	−45.949 529 71		9.39	−4.00	−26.78	1.72	1.05	2.04	1.93	1.12	+ 5	−32	− 8	+17	−43	+ 5	−41	+ 3	+22	+22													3	0.34
89372	18 14 19.11	+76 41 08.1	11.63	3 H	273.579 631 33	+76.685 586 27		1.68	−17.33	34.36	1.41	1.50	1.57	1.48	1.80	+ 5	−10	− 8	−14	+ 6	−16	+ 7	− 4	−17	+10													1	0.22
89373	18 14 19.51	−43 09 14.9	7.79	G	273.581 289 99	−43.154 152 25		10.20	−4.02	−54.07	0.92	0.57	1.10	1.19	0.81	−19	−37	+ 1	−13	−11	+ 4	−18	−41	+34	− 9													0	−1.39
89374	18 14 19.67	+47 13 14.3	8.39	H	273.581 946 21	+47.220 643 02		6.19	−24.65	27.61	0.60	0.61	0.65	0.67	0.79	+ 4	− 4	− 8	+17	+ 3	− 8	+ 4	+28	− 9	+ 1													1	0.71
89375	18 14 20.10	−58 42 20.9	7.81	H	273.583 760 25	−58.705 801 81		7.29	18.34	−37.27	0.88	0.67	0.97	1.04	0.72	− 8	−20	− 9	+33	−30	− 1	−27	+ 9	− 2	−12													0	0.24
89376	18 14 20.92	−41 54 33.1	7.89	H	273.587 153 22	−41.909 204 95		3.34	1.88	−12.05	0.96	0.61	1.09	1.29	0.77	−11	−22	+ 6	+13	+ 8	+ 5	+ 0	−30	+23	−11													0	0.78
89377	18 14 22.76	−10 40 43.0	9.44	H	273.594 830 58	−10.678 624 06		2.50	−5.71	−0.17	1.40	0.91	1.50	1.68	1.12	− 1	−15	− 3	−18	+ 4	−11	− 4	−48	−16	−32													0	−0.18
89378	18 14 22.77	−65 50 27.5	9.17	G	273.594 861 60	−65.840 975 75		10.73	11.24	−176.92	0.69	0.74	1.08	0.77	0.83	−10	− 8	+ 3	−31	+ 4	+ 4	+ 4	−26	− 9	+15													0	0.95
89379	18 14 23.13	−55 32 24.4	8.22	1 H	273.596 372 81	−55.540 122 18		3.36	9.95	−7.79	0.92	0.66	1.07	1.08	0.72	− 4	−27	− 1	− 1	−31	+ 8	−30	− 8	+10	− 1													0	−1.31
89380	18 14 23.39	−54 03 25.6	8.61	H	273.597 447 29	−54.057 117 77		14.89	70.61	−96.18	1.07	0.76	1.18	1.19	0.84	−29	−24	+ 3	+49	−31	+ 5	−31	+37	+19	−11													0	1.32
89381	18 14 24.08	−08 22 26.7	9.68	H	273.600 342 59	−08.374 077 16		3.93	11.95	15.14	1.42	0.91	1.54	1.35	0.91	+ 6	−30	−21	−15	− 6	+ 4	− 6	−29	− 2	− 8													0	1.54
89382	18 14 24.12	−70 45 04.2	6.70	H	273.600 509 40	−70.751 176 70		2.57	−5.31	−15.22	0.31	0.44	0.62	0.35	0.46	+ 0	− 9	− 1	+10	− 8	− 2	− 8	−13	− 3	− 3													0	1.45
89383 H	18 14 24.71	+19 52 44.9	8.55	H	273.602 970 25	+19.879 146 59	A	3.80	5.88	−4.84	1.10	1.16	1.37	1.03	1.09	+11	−14	+17	+31	+49	+ 8	+43	+22	+12	+ 8													2	0.24
89384	18 14 25.49	−18 09 03.3	8.17	H	273.606 198 45	−18.150 920 73		3.25	1.53	−7.99	1.05	0.62	1.13	1.49	0.82	+10	−29	−30	+35	+ 8	−11	−15	−20	+28	−29													0	0.11
89385	18 14 26.17	+05 54 23.2	8.17	H	273.609 044 13	+05.906 439 17		5.43	19.00	−14.93	0.86	0.71	1.01	0.91	0.76	−13	−13	−24	−18	+17	+19	+21	−19	+18	+13													0	0.37
89386	18 14 26.65	−47 57 16.0	7.31	G	273.611 033 73	−47.954 451 72		5.69	−0.36	13.11	0.77	0.49	0.93	0.80	0.51	+ 0	−35	−10	+30	−30	+ 1	−31	+ 1	+12	− 3													0	0.99
89387	18 14 27.08	−02 37 32.1	9.65	H	273.612 844 05	−02.625 585 57		7.89	2.85	0.70	1.92	1.16	1.88	1.90	1.33	+12	−58	−20	+ 2	−29	+20	−30	−33	+14	+ 2													0	−0.53
89388	18 14 27.64	+04 42 42.6	10.73	H	273.615 148 15	+04.711 840 30		−1.18	−14.11	−30.99	2.29	1.72	2.64	2.39	1.90	+19	−26	−53	−51	− 7	+ 8	−11	−54	+34	+26													6	1.34
89389	18 14 27.88	−37 39 01.7	8.30	H	273.616 171 29	−37.650 485 64		5.39	3.78	−7.08	1.09	0.73	1.22	1.41	0.78	+13	−24	−11	+ 6	−15	−25	−24	−48	+ 5	− 9													2	0.84
89390	18 14 28.93	+33 50 13.7	8.85	H	273.620 560 00	+33.837 138 49		1.82	5.38	−47.86	0.74	0.73	0

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data										Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
89301	8.708	0.010	8.064	0.009	*	0.647	0.015	G	0.71	0.01	H *	8.0499	0.0017	0.017	112	*	8.02	8.08		D	18133+0906	H 1	2 C A	AB	158	0.772	0.013	2.32	0.06	S
89302	7.999	0.015	7.989	0.022		−0.020	0.015	G	0.00	0.01	H	8.0353	0.0020	0.012	60		8.01	8.06			18133−2713	I 1	1							
89303	8.266	0.012	8.144	0.014		0.118	0.017	T	0.13	0.02	L	8.1505	0.0024	0.015	66		8.13	8.17		C			1							S
89304	9.735	0.024	9.211	0.024		0.501	0.026	T	0.57	0.03	L	9.2270	0.0026	0.018	77		9.20	9.26		C			1							
89305	10.950	0.069	9.729	0.036		0.884	0.002	G	0.93	0.00	H	9.8835	0.0026	0.020	65		9.83	9.91					1							G
89306	9.645	0.024	9.311	0.027		0.321	0.020	G	0.37	0.03	H	9.3413	0.0029	0.018	71		9.31	9.37		C			1							
89307	8.234	0.014	7.881	0.014		0.335	0.018	T	0.39	0.02	L	7.9341	0.0025	0.014	78		7.91	7.96					1							S
89308	10.359	0.032	8.854	0.016		1.266	0.028	T	1.22	0.03	L	8.8751	0.0020	0.018	116		8.85	8.90					1							
89309	6.905	0.005	6.880	0.005		0.028	0.007	T	0.04	0.01	L	6.8950	0.0008	0.008	84		6.88	6.91					1							S
89310	9.538	0.020	9.107	0.021		0.421	0.023	T	0.49	0.02	L	9.1243	0.0018	0.018	97		9.09	9.15		C			1							
89311	9.253	0.020	9.400	0.028		−0.128	0.030	T	−0.12	0.04	L	9.3888	0.0021	0.014	100		9.36	9.43		C			1							G
89312	9.819	0.023	9.257	0.021		0.526	0.028	T	0.60	0.03	L	9.3231	0.0025	0.022	118		9.28	9.36					1 X							
89313	8.805	0.010	7.399	0.006		1.188	0.009	T	1.15	0.01	L	7.4207	0.0010	0.012	158		7.40	7.44					1							S
89314	11.158	0.051	9.214	0.017		1.613	0.043	T	1.63	0.04	L	9.1402	0.0021	0.022	143		9.11	9.18					1							
89315	8.261	0.011	7.739	0.013		0.508	0.015	G	0.58	0.02	H	7.7956	0.0014	0.011	74		7.78	7.82		C			1							S
89316	10.685	0.033	8.581	0.011		1.780	0.029	T	2.37	0.06	O	8.4122	0.0054	0.049	143		8.33	8.48		U 2			1							
89317	8.586	0.010	7.401	0.007		1.015	0.010	T	0.99	0.01	L	7.4574	0.0012	0.010	112		7.44	7.48		C			1							S
89318	9.423	0.015	8.827	0.014		0.556	0.018	T	0.63	0.02	L	8.8886	0.0016	0.019	129		8.85	8.94					1							S
89319	9.366	0.044	9.141	0.058		0.158	0.004	G	0.17	0.00	H	9.2618	0.0022	0.015	71		9.22	9.29		C			1							
89320						1.586	0.197	G	2.57	0.45	I	11.1539	0.0070	0.051	86		11.06	11.24					1							G
89321	9.456	0.023	8.591	0.018		0.763	0.009	G	0.81	0.01	H	8.6480	0.0022	0.014	74		8.63	8.68		C			1							
89322	10.381	0.049	9.753	0.046		0.579	0.050	T	0.65	0.05	L	9.7450	0.0032	0.023	77		9.70	9.79					1							G
89323	9.337	0.012	7.979	0.007		1.160	0.015	G	1.12	0.01	H	8.0289	0.0014	0.016	148		8.01	8.05		C			1							
89324											T	12.1938	0.0721	0.514	175		11.78	13.03	14.86	P 1 A			1							D
89325	8.776	0.011	7.604	0.008		1.005	0.011	T	0.98	0.01	L	7.6584	0.0010	0.009	113		7.64	7.68					1							S
89326	10.680	0.069	10.204	0.077		0.448	0.094	T	0.52	0.10	L	10.5299	0.0467	0.281	76		9.87	10.81	0.64	P 1 A			1 S							G
89327	9.039	0.013	8.747	0.014		0.278	0.018	T	0.32	0.02	L	8.8295	0.0020	0.017	100		8.80	8.86					1							
89328	10.675	0.050	8.442	0.015		1.886	0.043	T	2.63	0.06	O	8.2361	0.0029	0.020	87		8.20	8.27					1							
89329	9.402	0.016	7.912	0.009	*	1.254	0.014	T	1.21	0.01	L *	7.9353	0.0016	0.015	112	*	7.91	7.96			18136+0946	H 1	2 C C	AB	313	0.592	0.068	3.74	0.15	
89330	6.734	0.005	6.786	0.007		−0.043	0.008	T	−0.02	0.01	L	6.7822	0.0010	0.009	70		6.77	6.80			18136−3158	I 1	1							S
89331	9.185	0.014	7.287	0.006		1.576	0.012	T	1.59	0.01	L	7.2359	0.0013	0.010	104		7.22	7.25		C			1							S
89332	10.329	0.026	9.113	0.016	*	1.039	0.024	T	1.01	0.02	L *	9.1111	0.0020	0.020	140	*	9.08	9.14		D	18136−4430	I 1	2 C A	AB	210	0.473	0.004	0.62	0.02	
89333	8.744	0.012	8.477	0.013		0.254	0.017	T	0.29	0.02	L	8.5605	0.0016	0.017	114		8.52	8.60		C			1							
89334	10.081	0.044	9.571	0.046		0.479	0.058	T	0.55	0.06	L	9.6256	0.0024	0.018	64		9.60	9.66		C			1							G
89335	8.698	0.021	7.152	0.012		1.298	0.019	T	1.26	0.02	L	7.1515	0.0017	0.010	72		7.14	7.17					1							S
89336	8.430	0.008	8.160	0.009		0.284	0.015	G	0.32	0.02	H	8.1967	0.0010	0.011	123		8.17	8.22					1							S
89337	11.821	0.111	10.788	0.070		0.919	0.020	G	0.96	0.02	I	10.7320	0.0042	0.039	140		10.67	10.79					1							G
89338	7.112	0.004	7.110	0.005		0.003	0.006	T	0.02	0.01	L	7.1270	0.0010	0.011	164		7.11	7.15					1							S
89339	9.246	0.021	8.206	0.015		0.904	0.019	T	0.91	0.01	L	8.2256	0.0021	0.014	70		8.20	8.26		C			1							
89340	9.249	0.015	8.123	0.010		0.969	0.014	T	0.95	0.01	L	8.1766	0.0015	0.012	82		8.15	8.21		C			1							
89341	4.063	0.004	3.859	0.004		0.195	0.005	T	0.21	0.01	L	3.8729	0.0056	0.034	75		3.84	3.96		U 2	18138−2104	I 1	1 S							S
89342	6.861	0.005	6.819	0.005		0.035	0.002	G	0.05	0.00	H	6.8347	0.0008	0.006	103		6.82	6.85		C			1							S
89343	10.192	0.032	9.663	0.031		0.496	0.040	T	0.57	0.04	L	9.8074	0.0019	0.019	104		9.77	9.83					1							
89344	8.461	0.010	8.103	0.010		0.370	0.004	G	0.43	0.00	H	8.1473	0.0017	0.016	100		8.12	8.17					1							S
89345	8.295	0.009	7.066	0.007		1.050	0.009	T	1.02	0.01	L	7.1075	0.0013	0.012	106		7.09	7.13					1							S
89346	11.431	0.067	9.602	0.021		1.522	0.056	T	1.56	0.08	L	9.5693	0.0022	0.022	141		9.53	9.61					1							
89347	8.448	0.016	6.589	0.007		1.545	0.014	T	1.61	0.03	L	6.5474	0.0011	0.007	61		6.54	6.56		C			1							S
89348	5.496	0.002	5.044	0.002		0.440	0.002	T	0.51	0.00	L	5.0878	0.0004	0.004	111		5.08	5.09					1							S
89349	8.612	0.009	8.176	0.009		0.427	0.019	G	0.49	0.02	H	8.2193	0.0014	0.015	150		8.20	8.25		C			1							S
89350	9.145	0.016	7.969	0.011		1.010	0.015	G	0.99	0.01	H	8.0233	0.0017	0.012	93		8.00	8.04		C			1							
89351	8.380	0.007	8.337	0.009	A	0.068	0.100	G	0.05	0.01	L *	8.3420	0.0016	0.017	187	*	8.31	8.37			18139−7419	H 1	2 C D	AB	100	2.380	0.053	4.13	0.25	S D
89352	8.992	0.011	7.476	0.006		1.274	0.010	T	1.23	0.01	L	7.5115	0.0014	0.013	119		7.49	7.53			18140+2017	I 1	1							S
89353	9.029	0.011	7.590	0.006		1.214	0.010	T	1.17	0.01	L	7.6217	0.0013	0.012	142		7.60	7.64		C			1							S
89354	10.398	0.034	9.400	0.024		0.861	0.032	T	0.87	0.02	L	9.4679	0.0023	0.020	91		9.44	9.50		C			1							
89355	9.573	0.016	7.874	0.008		1.419	0.014	T	1.40	0.02	L	7.8497	0.0012	0.014	118		7.83	7.87					1							S
89356	9.196	0.033	8.885	0.039		0.270	0.020	G	0.30	0.03	H	8.8994	0.0024	0.017	73		8.86	8.92					1							
89357	7.868	0.011	7.891	0.015		−0.016	0.017	T	0.01	0.02	L	7.9150	0.0013	0.012	75		7.90	7.93		C			1							S
89358	9.263	0.013	8.293	0.009		0.852	0.012	T	0.87	0.01	L	8.3210	0.0014	0.018	145		8.29	8.36					1 S							
89359	9.576	0.018	8.457	0.012		0.991	0.003	G	0.97	0.00	H	8.5141	0.0020	0.019	115		8.49	8.55					1							
89360	8.037	0.007	7.619	0.008		0.410	0.015	G	0.48	0.02	H	7.6778	0.0011	0.013	156		7.66	7.70					1							S
89361	7.192	0.006	7.245	0.007		−0.058	0.015	G	−0.04	0.01	H	7.2567	0.0014	0.010	82		7.24	7.27		C			1							S
89362	8.201	0.008	6.941	0.005		1.092	0.015	G	0.93	0.03	C	6.9996	0.0009	0.010	153		6.98	7.02		C			1							S
89363	8.896	0.013	8.464	0.014		0.422	0.015	T	0.49	0.02	L	8.5168	0.0022	0.016	102		8.49	8.54					1 G							
89364	7.629	0.009	7.632	0.011		−0.001	0.012	T	0.02	0.01	L	7.6360	0.0018	0.012	70		7.61	7.66			18142−3737	I 1	1							S
89365	10.751	0.057	8.967	0.022		1.486	0.048	T	1.51	0.07	L	8.9790	0.0025	0.015	63		8.95	9.00		C			1							
89366			7.111	0.010		−0.017	0.021	G	0.01	0.02	H	7.1506	0.0014	0.008	67		7.13	7.16			18142−2730	I 1	1							S
89367	8.860	0.014	7.461	0.008		1.183	0.013	T	1.14	0.01	L	7.5097	0.0010	0.008	105		7.49	7.52		C	18140+6445	I 1	1							S
89368	7.342	0.006	7.120	0.007		0.212	0.009	T	0.23	0.01	L	7.1580	0.0009	0.007	103		7.14	7.17		C			1							S
89369	7.449	0.006	5.653	0.004		1.528	0.001	G	1.57	0.00	H	5.6054	0.0010	0.008	69		5.60	5.62		M			1							S
89370	8.331	0.010	6.637	0.005		1.414	0.005	G	1.39	0.01	H	6.6058	0.0011	0.009	104		6.59	6.63					1							S
89371	10.865	0.048	10.136	0.042		0.669	0.051	T	0.73	0.04	L	10.2773	0.0033	0.032	119		10.23	10.33					1							G
89372	11.856	0.146	11.431	0.148		0.401	0.192	T	0.47	0.21	L	11.7230	0.0322	0.245	90		11.37	12.01	0.72	P 1 A			1							G
89373	8.248	0.010	7.813	0.010		0.415	0.015	G	0.48	0.02	H	7.8743	0.0013	0.011	109		7.86	7.90		C			1							S
89374	8.948	0.013	8.441	0.012		0.473	0.015	G	0.54	0.02	H	8.4947	0.0025	0.019	114		8.47	8.53					1							
89375	9.222	0.017	7.939	0.011		1.092	0.016	T	1.05	0.02	L	7.9736	0.0015	0.012	88		7.95	7.99		C			1							
89376	7.851	0.008	7.889	0.012		−0.032	0.013	T	−0.01	0.01	L	7.8841	0.0018	0.014	70		7.87	7.91					1							S
89377	11.634	0.124	9.638	0.033		1.500	0.040	G	1.50	0.10	R	9.5664	0.0036	0.022	63		9.54	9.60		C			1							G
89378	10.044	0.022	9.239	0.018		0.707	0.002	G	0.76	0.00	H	9.3116	0.0021	0.021	146		9.28	9.36					1							
89379	10.318	0.037	8.386	0.014		1.603	0.031	T	1.62	0.03	L	8.3295	0.0017	0.012	77		8.30	8.35		M			1							
89380	9.303	0.017	8.650	0.015		0.597	0.017	T	0.67	0.01	L	8.7425	0.0024	0.019	83		8.71	8.78		C			1							
89381	10.441	0.039	9.771	0.035		0.620	0.044	T	0.69	0.04	L	9.8091	0.0038	0.030	76		9.76	9.87					1							G
89382	6.660	0.002	6.703	0.003		−0.025	0.019	G	0.01	0.02	A	6.7060	0.0007	0.010	271		6.69	6.72					1							S
89383	8.744	0.011	8.578	0.013	*	0.159	0.016	T	0.18	0.02	L *	8.6021	0.0020	0.021	138	*	8.56	8.63			18144+1953	H 1	2 C D	AB	65	0.936	0.034	3.58	0.17	D
89384	8.181	0.012	8.178	0.016		0.050	0.015	G	0.06	0.01	H	8.1882	0.0015	0.013	80		8.16	8.21					1							
89385	8.595	0.013	8.202	0.013		0.372	0.017	T	0.43	0.02	L	8.2553	0.0019	0.013	82		8.23	8.28		C			1							
89386	8.859	0.012	7.438	0.007		1.181	0.002	G	1.14	0.00	H	7.4984	0.0009	0.009	109		7.48	7.52		D			1							S
89387	10.496	0.056	9.715	0.043		0.710	0.055	T	0.76	0.05	L	9.7967	0.0041	0.021	54		9.76	9.84		C			1 G							G
89388						0.720	0.155	G	0.77	0.11	R	10.8737	0.0074	0.031	54		10.78	10.94		C			1							G
89389	9.685	0.029	8.446	0.018		1.057	0.027	T	1.02	0.02	L	8.4631	0.0018	0.011	69		8.44	8.48		C			1							
89390	9.837	0.021	8.939	0.016		0.798	0.020	T	0.83	0.01	L	9.0012	0.0022	0.021	125		8.96	9.04					1 S							S
89391	8.233	0.010	8.061	0.011		0.165	0.014	T	0.18	0.01	L	8.0939	0.0018	0.013	80		8.07	8.11					1							S
89392	7.924	0.012	7.953	0.019		−0.020	0.015	G	0.00	0.01	L	7.9396	0.0017	0.011	71		7.92	7.96					1 G							S
89393	8.190	0.012	7.712	0.016	*	0.443	0.007	G	0.51	0.01	H *	7.6897	0.0018	0.010	80	*	7.67	7.71		D	18146+0011	I 1	2 C A	AB	94	1.235	0.004	0.34	0.02	S
89394	8.322	0.007	7.929	0.007		0.372	0.009	T	0.43	0.01	L	7.9981	0.0011	0.014	192		7.97	8.03		C			1							S
89396	8.497	0.028	8.052	0.029		0.434	0.032	T	0.50	0.03	L	8.0885	0.0014	0.012	65		8.07	8.11		C			1							
89397	10.207	0.046	7.718	0.013		2.080	0.015	G	2.10	0.09	H	7.4512	0.0031	0.020	61		7.42	7.48		U			1 S							
89398	10.493	0.028	8.971	0.014		1.279	0.025	T	1.24	0.03	L	9.0034	0.0021	0.024	144		8.96	9.06					1							
89399	7.843	0.010	7.798	0.014		0.041	0.015	T	0.06	0.01	L	7.8200	0.0016	0.011	73		7.79	7.84		C	18146−3654	I 1	1							S
89400	8.689	0.012	8.413	0.013		0.263	0.017	T	0.30	0.02	L	8.4586	0.0016	0.014	106		8.43	8.49		C			1							S

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg		Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)										Soln F1 %	F2
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
89401	18 14 41.01	+56 35 17.4	6.66	1 H	273.670 895 04	+56.588 178 42		9.39	−15.78	24.72	0.49	0.39	0.51	0.54	0.54	+13	− 6	−14	+16	+ 6	+ 1	+12	−26	+14	+25	1	0.42
89402	18 14 41.18	−53 04 41.9	7.98	H	273.671 593 25	−53.078 296 28		2.56	−0.91	−18.83	0.99	0.69	1.19	1.21	0.78	−11	−18	−17	+33	−32	+ 8	−26	+ 5	+13	+ 6	0	1.88
89403	18 14 41.35	+44 39 08.5	8.34	H	273.672 277 60	+44.652 350 29		5.07	52.19	47.71	0.66	0.64	0.71	0.65	0.70	− 1	− 2	+ 4	−30	+ 0	− 4	− 1	+21	− 5	+ 3	0	0.42
89404	18 14 42.14	−33 08 27.2	8.44	2 H	273.675 572 99	−33.140 889 22		0.86	0.59	−1.96	1.14	0.77	1.18	1.59	0.90	−13	−17	−16	+13	+35	+ 2	+30	−35	+16	−12	0	0.91
89405	18 14 43.19	−48 48 48.1	7.58	H	273.679 962 77	−48.813 363 64		4.83	23.73	−22.28	0.81	0.55	0.91	0.96	0.60	−19	−19	− 3	+30	−33	+ 2	−31	+11	+ 4	−18	2	1.58
89406	18 14 43.32	+19 02 56.4	7.72	H	273.680 509 45	+19.049 003 51		4.10	−34.74	19.00	0.67	0.63	0.88	0.66	0.67	+ 7	− 4	+ 7	+27	+46	+ 4	+49	+29	+ 8	+ 3	3	−0.23
89407	18 14 43.39	−69 44 28.2	9.09	H	273.680 786 19	−69.741 165 82		2.88	12.58	−3.79	0.61	0.80	1.31	0.59	0.81	+ 5	−25	−12	− 2	−30	+ 1	−30	+ 3	+ 5	−13	0	−0.44
89408	18 14 43.99	+29 12 28.4	6.51	H	273.683 298 95	+29.207 889 70		23.84	11.79	−240.17	0.42	0.49	0.63	0.54	0.63	+ 6	− 3	−20	− 4	+ 4	−12	+ 4	−24	+11	+18	0	−2.01
89409	18 14 44.26	−45 35 42.7	7.19	H	273.684 421 01	−45.595 193 11		4.80	−5.53	−11.42	0.83	0.52	0.97	0.92	0.52	+ 4	−35	−13	+19	−56	− 3	−50	+ 1	+13	+15	3	2.13
89410	18 14 44.80	−22 01 32.6	9.13	H	273.686 674 06	−22.025 718 94		7.84	−0.19	−26.69	1.57	0.91	1.81	1.54	1.01	+27	−59	−40	+ 3	+ 9	−12	−20	−57	+30	−14	0	−0.84
89411	18 14 45.12	+32 41 37.4	9.28	H	273.687 979 65	+32.693 730 34		2.92	−0.05	5.39	0.81	0.80	1.00	0.96	1.00	+12	−10	+11	+34	+13	+ 1	+17	+ 5	−12	+23	1	−0.79
89412	18 14 45.42	+01 45 30.1	8.62	H	273.689 265 64	+01.758 354 21		9.61	19.27	65.19	0.96	0.74	1.16	1.02	0.79	+16	−14	−25	+ 3	− 9	+33	− 3	−12	− 1	+ 4	2	0.26
89413	18 14 47.33	+14 24 11.4	9.45	H	273.697 195 57	+14.403 177 43		4.25	−0.82	−6.47	0.87	0.80	1.44	1.19	1.05	+ 1	−21	−12	− 3	+26	−32	+20	−16	+ 9	− 7	0	1.50
89414	18 14 47.83	+80 35 22.4	8.78	H	273.699 305 79	+80.589 567 15		3.77	16.62	−8.03	0.74	0.73	0.79	0.80	0.95	+20	−26	−11	− 8	− 5	+ 4	− 5	− 3	− 2	+31	0	0.47
89415	18 14 49.10	+58 00 09.4	7.97	H	273.704 595 96	+58.002 604 14		5.57	2.82	−5.91	0.55	0.47	0.57	0.57	0.60	+10	− 1	− 6	+22	+13	+ 4	+19	−22	+15	+17	0	−1.56
*89416	18 14 50.24	−66 48 54.4	7.49	2 H	273.709 337 18	−66.815 103 18		2.13	−1.51	−8.31	0.51	0.53	0.79	0.58	0.56	+ 2	−18	−16	−12	− 5	+ 5	− 5	− 8	+ 4	+13	0	−0.52
*89417	18 14 49.64	−78 13 41.8	9.30	H	273.706 814 49	−78.228 289 34		5.21	10.43	6.87	0.76	0.82	1.05	0.85	1.02	−13	−13	+ 9	−10	+ 8	+ 6	+ 9	− 7	− 4	−17	0	0.26
89418	18 14 51.35	+36 22 45.2	8.25	H	273.713 960 32	+36.379 223 45		1.46	5.28	−23.57	0.72	0.66	0.89	0.81	0.76	+11	−16	−19	+12	+15	−28	+ 9	−10	+ 6	+ 3	0	−0.59
89419	18 14 55.87	+36 40 13.3	8.98	3 T	273.732 809 57	+36.670 361 55		−2.10	5.53	−7.82	0.76	0.92	1.18	0.82	0.95	+ 9	−14	−23	+32	+17	−48	+ 6	−26	+13	+ 1	0	0.56
89420	18 14 56.21	+49 09 29.2	6.83	H	273.734 211 72	+49.158 124 47		5.25	2.34	76.70	0.49	0.43	0.52	0.56	0.56	− 3	−13	− 8	+10	− 1	+ 3	+ 1	+19	− 7	− 5	0	−1.27
89421	18 14 57.52	+18 28 28.6	8.12	H	273.739 671 57	+18.474 602 34		8.73	−8.90	−17.50	0.77	0.68	0.96	0.81	0.73	+ 2	+ 2	+17	+29	+47	+ 5	+47	+19	+13	−13	0	0.37
89422	18 14 57.76	−15 23 05.1	7.09	H	273.740 646 22	−15.384 736 18		7.86	13.85	−1.68	0.92	0.48	0.98	0.86	0.54	− 4	−54	− 6	+17	− 3	− 9	−17	−23	+10	−34	2	−0.09
89423	18 15 00.60	−33 35 51.1	8.41	H	273.752 494 27	−33.597 518 09		3.61	6.35	−36.89	1.10	0.72	1.24	1.36	0.80	+ 0	−29	−29	+ 7	+21	− 2	+ 8	−33	+21	−22	0	−0.16
89424	18 15 01.86	−48 32 03.7	9.79	H	273.757 751 39	−48.534 369 11		8.78	19.44	−30.54	1.37	0.90	1.69	1.51	0.96	+ 0	−35	− 2	+12	−27	+ 3	−25	− 9	+ 5	+ 3	0	0.17
89425	18 15 02.18	−20 52 16.3	7.86	H	273.759 097 61	−20.871 180 65		4.48	3.70	−5.64	1.11	0.82	1.25	1.30	0.93	−24	−24	−33	−17	+50	−31	+29	−69	+38	−47	0	0.04
89426	18 15 02.64	−62 05 38.1	9.40	H	273.760 980 48	−62.093 907 53		0.22	3.58	−2.89	1.10	0.96	1.44	1.13	1.03	+17	−36	−17	−13	+10	+ 0	+16	−28	− 8	+39	3	−0.93
89427	18 15 04.28	−06 46 51.6	8.73	2 H	273.767 819 29	−06.781 001 70		2.38	0.63	1.78	1.07	0.69	1.13	1.17	0.78	+ 8	−26	− 3	+18	+ 4	+ 9	+ 4	−25	+ 0	+ 7	0	−0.39
89428	18 15 04.39	−60 22 37.2	9.05	H	273.768 301 66	−60.376 987 04		3.07	−1.51	−13.27	1.07	0.87	1.28	1.39	0.92	+ 2	−24	−14	+13	− 4	−12	−10	−13	+ 7	−24	0	0.25
89429	18 15 05.11	−29 49 22.7	6.81	1 G	273.771 281 68	−29.822 960 64		4.54	1.30	−18.52	0.82	0.48	0.84	0.99	0.58	+16	−36	−11	+28	− 6	+14	− 3	− 7	+ 6	+21	0	1.37
89430 H	18 15 08.49	−57 51 14.9	7.59	H	273.785 386 72	−57.854 137 20	A	20.12	65.08	−113.61	1.86	1.33	1.80	1.80	1.30	− 6	−27	− 9	− 1	−12	+10	−20	+ 5	+36	− 8	1	0.28
89431	18 15 09.06	+28 42 22.5	9.32	H	273.787 758 43	+28.706 255 12		2.09	−8.85	−13.00	0.77	0.99	1.24	1.00	1.23	+16	− 1	− 7	+ 6	+10	+ 6	+10	+10	+ 1	+22	0	0.64
89432	18 15 09.43	+52 09 24.8	8.70	H	273.789 293 57	+52.156 888 71		5.55	−4.90	15.70	0.75	0.54	0.74	0.90	0.70	+11	+ 6	− 3	− 4	+11	+ 1	+12	+ 4	− 4	+13	0	−0.11
89433	18 15 09.71	+08 47 24.0	8.69	H	273.790 451 34	+08.789 986 42		2.45	0.24	0.05	0.84	0.73	1.17	1.10	1.02	+33	−18	−10	−24	+ 1	+18	+ 5	−24	−13	+11	0	−0.37
89434	18 15 10.42	−81 50 31.6	7.92	H	273.793 424 69	−81.842 122 28		3.57	−7.97	−36.28	0.60	0.61	0.80	0.68	0.68	− 6	−36	+16	+11	−13	−13	− 2	− 8	−24	− 8	0	0.59
89435	18 15 11.61	−25 47 20.8	8.18	H	273.798 382 53	−25.789 100 60		0.49	−1.48	−0.40	1.32	0.78	1.33	1.56	0.94	+27	−39	−12	+28	+25	−12	+16	−28	+ 7	+17	0	−0.79
89436	18 15 11.90	−12 30 04.1	8.61	G	273.799 590 97	−12.501 129 39		−0.14	0.86	−1.36	1.34	0.88	1.50	1.61	1.07	−26	−15	−38	− 9	+50	−27	+31	−61	+44	−46	2	0.61
89437	18 15 11.99	−74 02 18.9	8.13	G	273.799 938 46	−74.038 595 17		10.42	−10.39	−97.03	0.53	0.68	0.89	0.57	0.79	−10	− 9	− 6	+ 4	− 8	− 1	− 9	− 2	−12	−23	0	−1.56
89438	18 15 12.66	−35 49 08.7	8.45	H	273.802 760 06	−35.819 081 56		3.68	1.75	−17.53	1.13	0.77	1.21	1.70	0.93	+18	− 4	−17	+18	− 7	−13	−14	−32	+ 3	+ 4	0	1.24
89439	18 15 12.91	−20 43 41.8	5.29	1 H	273.803 772 87	−20.728 266 70		−0.33	2.90	−1.26	0.85	0.56	0.93	0.88	0.63	−15	−46	−25	+ 0	+31	−15	+ 9	−50	+25	−41	0	0.24
89440	18 15 12.97	−20 23 16.7	5.96	H	273.804 038 19	−20.387 969 36		−0.22	2.83	−1.90	0.79	0.55	0.91	0.88	0.63	− 3	−38	−38	+ 7	+29	−18	+ 4	−50	+33	−38	0	1.09
89441	18 15 13.26	−12 32 12.3	8.22	G	273.805 260 64	−12.536 744 33		−1.69	1.04	−1.03	1.20	0.82	1.30	1.48	0.98	−29	− 5	−39	−20	+52	−22	+38	−61	+42	−47	0	0.16
89442	18 15 15.01	−40 52 37.4	8.30	H	273.812 535 71	−40.877 066 42		1.54	−8.37	−8.25	1.10	0.70	1.27	1.44	0.85	+16	−35	−21	+22	+17	− 6	+ 4	−22	+26	+ 9	0	−0.56
89443	18 15 15.41	+59 49 36.2	8.84	H	273.814 197 24	+59.826 725 10		15.46	−130.58	−1.07	0.72	0.66	0.72	0.89	0.86	+14	− 7	− 6	+22	+11	+ 3	+12	+ 8	+ 8	+22	1	−0.77
89444	18 15 15.57	−17 06 17.3	8.74	H	273.814 886 88	−17.104 799 83		3.40	0.24	−0.13	1.26	0.68	1.32	1.38	0.82	−15	−47	+ 2	+13	+ 6	−14	− 3	−30	+ 8	−33	0	−1.49
89445	18 15 15.77	−80 13 02.8	8.81	H	273.815 701 43	−80.217 433 53		1.37	−2.53	4.83	0.67	0.75	0.91	0.72	0.94	− 9	−14	− 4	+ 6	−13	+ 1	−14	+ 4	− 4	−18	0	1.73
89446	18 15 15.83	+54 08 27.4	6.83	H	273.815 954 37	+54.140 931 92		7.65	−38.89	−98.95	0.52	0.39	0.52	0.53	0.49	−13	− 3	−15	−17	+25	−20	+28	−19	+ 9	− 7	1	−0.55
89447	18 15 16.81	−58 02 22.1	8.50	H	273.820 036 51	−58.039 465 23		4.80	9.59	18.92	0.95	0.75	1.12	1.24	0.90	−19	−19	− 8	+ 9	− 5	−11	−10	+ 5	+22	−23	4	−0.81
89448	18 15 17.05	+68 45 21.5	5.96	H	273.821 037 15	+68.755 964 85		11.48	17.17	−63.73	0.47	0.47	0.49	0.52	0.57	+ 2	−18	+ 8	− 9	− 4	− 3	− 6	+17	− 8	+16	1	1.67
89449	18 15 18.26	+18 29 59.5	10.06	G	273.826 071 89	+18.499 852 59		33.91	57.64	59.89	1.20	1.17	1.71	1.28	1.33	−16	− 7	+20	+ 1	+44	− 4	+48	+ 4	+11	−28	0	−0.61
89450	18 15 18.54	+12 21 08.7	12.48	3 H	273.827 262 45	+12.352 425 58		3.77	−32.22	−23.43	2.50	2.21	4.18	3.29	3.13	+13	−23	− 6	+12	+37	− 7	+40	−13	− 8	+16	0	1.78
89451	18 15 19.91	+06 52 21.8	8.27	H	273.832 957 43	+06.872 734 89		5.40	1.27	−26.32	0.95	0.82	1.13	1.03	0.99	− 3	− 3	−18	−17	+14	+23	+17	− 5	+16	+27	0	3.74
89452	18 15 19.99	+50 58 16.9	7.65	H	273.833 297 12	+50.971 351 52		18.49	15.54	−37.59	0.61	0.46	0.62	0.79	0.63	+ 2	−18	−10	+13	− 3	−17	− 3	+16	−10	− 7	1	0.25
89453	18 15 20.19	−16 49 53.2	7.54	H	273.834 120 17	−16.831 454 00		3.11	2.34	−10.72	1.02	0.56	1.14	1.01	0.64	+ 8	−52	−22	+18	+ 4	−31	−27	−34	+25	−48	0	−0.83
89454	18 15 21.50	−31 44 22.6	7.98	H	273.839 602 73	−31.739 608 22		6.11	17.75	−8.51	1.02	0.68	1.09	1.41	0.80	+22	−12	−15	+ 3	− 9	+12	− 5	−47	+14	+29	0	0.62
89455 H	18 15 21.73	+57 20 08.3	8.30	H	273.840 550 86	+57.335 641 02	*	16.44	17.57	−65.44	0.68	0.55	0.71	0.70	0.74	+ 2	+ 0	−16	+ 3	+ 8	+ 2	+16	−25	+21	+19	2	−0.60
89456	18 15 23.10	−22 44 22.3	9.31	H	273.846 269 92	−22.739 532 55		1.71	2.88	−6.58	1.30	0.76	1.41	1.50	0.93	+ 8	−40	− 8	+ 9	+ 3	+ 0	− 1	−34	+16	+12	0	−0.82
89457	18 15 23.52	−50 22 53.8	8.36	H	273.847 988 48	−50.381 603 64		2.46	8.54	−10.15	0.93	0.66	1.10	1.06	0.69	−16	−24	− 6	+36	−25	− 6	−23	+ 2	+ 1	−18	0	−0.54
89458 H	18 15 25.05	+19 46 13.4	7.90	H	273.854 360 85	+19.770 377 89	A	7.71	8.94	−1.47	1.39	1.33	1.60	1.33	1.30	+12	− 3	−10	+18	+40	+ 7	+45	+26	− 8	+ 2	2	1.09
89459 H	18 15 25.40	−76 40 00.4	8.20	G	273.855 826 96	−76.666 779 72	A	2.35	1.35	−19.82	1.62	1.62	1.95	1.88	1.60	+ 4	−24	−24	+16	−16	+ 3	− 9	− 1	−23	−16	0	0.02
89460	18 15 26.68	−48 51 05.9	6.58	1 H	273.861 156 25	−48.851 630 90	A	10.56	−1.89	21.23	0.93	0.63	0.95	1.01	0.61	+ 7	−22	+ 3	+ 3	−42	+ 4	−36	−18	+ 3	+18	1	2.05
89461	18 15 26.92	−35 02 17.0	7.44	H	273.862 160 69	−35.038 043 11		7.17	2.10	−7.11	0.89	0.56	0.99	1.16	0.63	− 2	−23	+ 3	+ 7	+ 1	−17	− 2	−33	− 5	−14	0	−0.42
89462	18 15 27.18	−77 31 51.3	9.27	H	273.863 241 56	−77.530 909 99		1.83	10.46	−36.12	0.69	0.82	1.02	0.67	0.96	− 3	−11	− 5	− 4	+ 0	+ 1	+ 1	+ 5	− 8	− 4	0	−1.27
89463	18 15 27.32	−34 35 40.2	6.92	H	273.863 831 96	−34.594 502 62		3.16	−7.14	−11.10	0.82	0.53	0.93	1.01	0.59	− 8	−31	+ 5	− 9	+ 7	−20	+ 5	−46	− 8	−24	4	−1.14
89464	18 15 27.84	+59 54 32.5	9.29	G	273.866 002 43	+59.909 037 55		3.23	7.26	22.51	0.79	0.72	0.77	1.01	0.89	+19	−12	−14	+30	+12	− 3	+13	+ 3	+ 0	+25	0	−1.53
89465	18 15 28.69	+86 39 27.7	6.51	2 H	273.869 524 00	+86.657 683 83		2.75	−5.60	27.77	0.45	0.47	0.52	0.54	0.62	+ 2	− 5	− 9	+ 7	+ 6	+ 3	+ 7	+ 1	+ 2	+ 9	1	0.16
89466	18 15 28.98	+20 15 49.9	8.15	H	273.870 733 15	+20.263 871 88		0.66	4.63	−6.32	0.70	0.69	0.97	0.72	0.70	+10	− 1	+16	+30	+42	+12	+40	+26	+11	+ 9	0	0.09
89467	18 15 30.26	+01 20 53.6	8.70	H	273.876 083 71	+01.348 224 66		4.88	5.71	−42.26	0.91	0.70	1.06	0.92	0.76	− 1	−10	−15	−12	+ 0	+21	+ 4	−16	− 9	− 9	0	1.19
89468	18 15 30.28	−23 07 01.7	8.64	G	273.876 181 27	−23.117 133 23		0.41	1.09	−8.14	1.06	0.65	1.18	1.31	0.81	− 3	−29	−14	+ 8	+ 9	+ 2	+ 3	−32	+24	− 2	0	0.51
89469	18 15 30.64	−58 11 02.8	8.98	H	273.877 658 62	−58.184 101 33		9.41	−32.65	57.72	1.01	0.81	1.30	1.23	0.93	− 2	−25	−16	+ 2	−19	+ 4	−22	− 5	+22	− 8	0	−0.14
*89470	18 15 30.76	−18 39 41.7	6.05	1 H	273.878 181 88	−18.661 571 77		0.83	0.53	−2.15	0.80	0.52	0.85	1.02	0.62	− 8	−30	−13	+15	+ 3	−19	−10	−31	+ 9	−35	0	1.45
*89471 H	18 15 30.72	−51 49 15.1	8.67	H	273.877 996 54	−51.820 849 48	*	7.11	9.50	−30.70	2.70	1.80	1.67	1.72	1.13	−11	−10	− 7	+22	−32	+ 2	−19	−25	+ 6	+11	1	0.69
89472	18 15 31.41	+00 12 48.9	8.56	H	273.880 876 60	+00.213 596 06		3.10	−4.41	1.52	0.95	0.72	1.06	0.99	0.82	+18	−28	−15	− 2	+ 9	+10	+10	−13	+13	+35	4	0.24
89473	18 15 31.59	+56 53 13.0	7.82	H	273.881 605 76	+56.886 944 81		4.29	−1.14	−31.04	0.58	0.44	0.58	0.63	0.58	+15	− 4	−11	+12	+ 7	−10	+11	−16	+ 6	+26	2	−1.16
89474	18 15 32.53	+45 12 34.5	6.30	H	273.885 530 64	+45.209 595 88		44.08	−76.98	−114.40	0.47	0.44	0.51	0.51	0.49	+ 0	−16	− 6	− 2	+ 6	+ 0	+ 6	+10	− 4	+ 7	0	0.35
89475	18 15 32.91	+58 48 16.6	9.01	H	273.887 109 55	+58.804 610 34		7.03	6.65	−20.46	0.70	0.65	0.75	0.77	0.83	+ 6	+14	− 4	+20	+11	+ 3	+12	−19	+14	+ 1	1	−0.69
89476	18 15 34.17	+47 33 39.3	7.48	H	273.892 377 57	+47.560 905 92		7.84	3.01	−20.93	0.54	0.50	0.57	0.56	0.62	+ 6	+ 1	−13	+ 8	+ 1	+ 0	+ 3	+29	−12	− 2	0	−1.23
89477	18 15 34.33	−05 28 30.5	7.26	H	273.893 028 75	−05.475 138 01		5.05	1.78	−17.44	0.93	0.56	1.00	0.93	0.62	−10	−35	− 4	−22	+10	+ 3	+12	−31	− 5	+ 0	2	1.97
89478	18 15 34.49	+79 03 53.6	7.33	G	273.893 691 47	+79.064 893 81		16.48	−13.59	1.81	0.50	0.55	0.57	0.55	0.78	+ 8	− 8	+ 4	+ 7	− 4	− 3	− 4	+ 9	−21	+17	0	0.15
89479	18 15 35.40	−77 04 24.6	7.62	H	273.897 486 90	−77.073 489 49		2.99	13.88	6.42	0.42	0.54	0.67	0.44	0.60	− 5	−13	− 8	+ 4	− 8	+11	− 5	+ 1	−21	−18	0	0.45
89480	18 15 37.08	−32 20 33.6	7.47	H	273.904 506 11	−32.342 670 07		8.09	1.26	−30.73	0.94	0.58	0.96	1.24	0.68	+11	−18	+ 0	+27	+19	+15	+22	−20	+ 5	+26	2	2.57
89481	18 15 37.99	+27 11 18.7	8.46	H	273.908 273 78	+27.188 530 52		8.89	11.94	33.99	0.61	0.69	0.94	0.74	0.86	+ 2	−21	− 9	+ 6	+ 4	− 1	+ 3	+18	+ 8	− 4	1	1.54
89482	18 15 38.78	+42 09 33.6	5.56	1 H	273.911 580 71	+42.159 343 12		6.04	−2.93	0.95	0.42	0.40	0.48	0.50	0.47	− 8	− 5	+ 3	− 5	+ 5	−17	+ 5	+ 2	+ 2	− 4	0	−0.39
89483	18 15 39.03	−18 49 45.8	10.53	G	273.912 610 85	−18.829 377 03		−3.57	5.18	−5.03	2.36	1.65	2.62	2.99	1.93	+29	−20	−22	+ 2	− 6	−28	−30	−57	+21	− 8	2	1.60
89484	18 15 39.13	+22 03 02.5	7.84	H	273.913 058 12	+22.050 688 93		5.83	19.29	−40.68	0.50	0.63	0.94	0.56	0.70	+14	− 4	+ 4	+34	+25	+ 8	+24	+16	+19	+21	1	0.51
89485	18 15 40.06	+51 37 45.0	8.26	H	273.916 906 40	+51.629 174 31		15.18	−25.79	138.03	1.09	0.56	0.68	1.48	0.83	− 9	− 3	− 4	−60	+15	+ 7	+ 5	−19	−11	− 6	0	0.32
89486	18 15 40.18	−33 05 29.5	6.94	H	273.917 434 37	−33.091 527 98		5.42	−1.62	−16.51	0.76	0.49	0.83	0.87	0.52	− 6	−31	−21	+ 7	+18	− 1	+13	−30	+ 4	−20	0	−0.05
89487	18 15 40.66	−63 03 19.1	5.58	H	273.919 429 56	−63.055 308 04		11.02	−35.71	−23.95	0.51	0.44	0.67	0.54	0.47	+ 3	−23	− 2	−13	+ 6	+ 9	+ 8	−21	− 1	+21	0	−1.36
89488	18 15 41.84	−50 56 24.1	11.01	H	273.924 315 05	−50.940 033 70		0.43	6.08	−2.22	2.28	1.55	2.67	2.75	1.67	+ 3	− 4	− 7	+29	−15	− 5	−18	−23	+ 7	− 6	0	−0.45
89489 H	18 15 42.45	−03 21 27.6	7.28	H	273.926 867 21	−03.357 661 17	A	4.37	−2.83	9.40	1.13	0.84	1.13	1.05	0.78	− 8	− 6	+ 0	−20	+ 3	+16	+ 3	−37	−11	+ 0	2	−0.07
89490	18 15 43.61	+18 56 23.3	10.84	G	273.931 727 64	+18.939 807 67		43.10	−37.29	−429.37	1.45	1.47	2.18	1.48	1.54	− 2	+ 0	− 5	+ 0	+47	−10	+48	+14	+ 4	− 8	3	1.53
*89491	18 15 45.90	+23 59 45.7	8.76	H	273.941 256 13	+23.996 014 61	A	−4.19	11.25	1.56	1.51	3.01	2.99	1.77	3.47	+10	−13	+ 9	+ 4	+11	+ 3	+ 7	+16	+18	+17	2	2.40
*89492	18 15 45.88	+25 47 39.5	8.34	H	273.941 158 30	+25.794 301 25		3.86	0.88	11.73	0.54	0.75	1.00	0.66	0.88	+10	− 8	− 7	+ 4	+ 4	− 5	+ 4	−12	+16	+21	0	0.20
89493	18 15 47.16	+23 59 32.6	9.76	H	273.946 482 56	+23.992 395 26	B	−6.91	−5.99	−12.26	11.01	20.81	6.45	9.54	14.16	+12	−10	+10	+11	+10	+ 6	+ 7	+17	+18	+16	2	2.40
89494	18 15 47.87	−50 10 52.4	8.49	H	273.949 449 08	−50.181 215 24		6.71	0.68	−36.15	0.93	0.62	1.13	1.03	0.65	− 3	−30	−18	+31	−30	− 2	−30	− 1	+ 9	−10	0	−1.16
89495	18 15 48.47	+22 40 42.7	8.42	H	273.951 953 07	+22.678 515 48		3.25	−0.97	−7.42	0.55	0.69	1.07	0.64	0.73	+ 1	−22	+14	+27	+16	+ 2	+12	+20	+13	+13	1	1.35
89496	18 15 48.76	−55 21 21.0	7.91	G	273.953 165 96	−55.355 821 33		8.48	−6.61	8.30	0.87	0.62	0.98	1.02	0.64	−11	−21	− 6	+15	−42	+15	−38	+ 6	+ 4	−10	0	1.33
89497	18 15 49.03	−23 48 56.0	8.54	G	273.954 287 24	−23.815 547 12		27.11	65.51	−166.18	1.09	0.66	1.20	1.19	0.75	+ 5	−38	−12	+ 9	+11	− 4	+ 1	−33	+19	− 4	0	−0.62
89498 H	18 15 49.68	+41 06 38.2	10.68	3 H	273.957 015 94	+41.110 607 04	A	2.46	−13.94	−32.42	2.18	2.13	2.29	2.26	2.44	+ 7	−16	− 3	+ 0

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
89401	7.076	0.005	6.705	0.005		0.362	0.006	T	0.42	0.01	L	6.7495	0.0014	0.012	115		6.73	6.77		M			1							S
89402	9.635	0.020	8.155	0.011		1.246	0.018	T	1.20	0.02	L	8.1462	0.0018	0.016	82		8.12	8.18		C			1							
89403	9.465	0.017	8.452	0.012		0.884	0.016	T	0.89	0.01	L	8.4980	0.0011	0.014	112		8.47	8.53		D			1							
89404	8.302	0.013	8.444	0.018		−0.097	0.047	G	−0.08	0.06	H	8.4105	0.0033	0.026	75		8.37	8.55		U 2 C			1							P
89405	9.322	0.019	7.733	0.010		1.332	0.017	T	1.30	0.02	L	7.7366	0.0011	0.012	103		7.72	7.76		C			1							
89406	9.404	0.015	7.876	0.008		1.284	0.013	T	1.24	0.01	L	7.8820	0.0013	0.015	135		7.86	7.90		C			1							S
89407	11.047	0.036	9.282	0.014		1.471	0.031	T	1.48	0.05	L	9.2195	0.0020	0.025	249		9.18	9.27					1							
89408	7.200	0.005	6.572	0.005		0.579	0.005	T	0.65	0.01	L	6.6330	0.0009	0.008	138		6.62	6.65					1							S
89409	9.242	0.012	7.375	0.006		1.552	0.011	T	1.57	0.01	L	7.3130	0.0010	0.011	141		7.29	7.33					1							S
89410	9.733	0.033	9.163	0.031		0.537	0.034	T	0.61	0.04	L	9.2428	0.0020	0.015	60		9.22	9.28					1							
89411	9.569	0.016	9.288	0.018		0.267	0.023	T	0.30	0.03	L	9.3507	0.0018	0.025	123		9.30	9.39					1							
89412	9.369	0.021	8.708	0.019		0.613	0.024	T	0.68	0.02	L	8.7533	0.0028	0.017	61		8.72	8.78		C			1							
89413	9.440	0.016	9.424	0.021		0.019	0.024	T	0.04	0.02	L	9.4675	0.0023	0.021	124		9.42	9.52		C			1							
89414	8.912	0.012	8.774	0.014		0.133	0.017	T	0.15	0.02	L	8.8313	0.0017	0.019	97		8.80	8.87		C			1							
89415	8.086	0.009	7.985	0.011		0.098	0.013	T	0.11	0.01	L	8.0060	0.0010	0.010	114		7.99	8.03					1							S
89416	7.401	0.007	7.468	0.007		−0.057	0.009	T	−0.04	0.01	L	7.4793	0.0059	0.049	153		7.45	7.62		U 2 C	18148−6649	I 1	1							S P
89417	9.727	0.017	9.329	0.017		0.353	0.015	G	0.41	0.02	H	9.3814	0.0023	0.025	152		9.34	9.43		C			1							
89418	10.068	0.027	8.399	0.013		1.420	0.015	G	1.37	0.05	L	8.3918	0.0017	0.017	119		8.37	8.42					1							
89419	10.599	0.048	9.115	0.023		1.249	0.042	T	3.16	0.98	Q	9.3310	0.2332	1.499	110		7.89	11.46	195.72	P 1 B			1							G P
89420	8.440	0.011	6.977	0.006		1.233	0.010	T	1.19	0.01	L	6.9931	0.0007	0.006	115		6.98	7.00					1							S
89421	8.662	0.010	8.176	0.009		0.496	0.001	G	0.57	0.00	H	8.2269	0.0015	0.013	134		8.20	8.25		C			1							S
89422	8.593	0.013	7.208	0.008		1.172	0.012	T	1.13	0.01	L	7.2525	0.0012	0.010	80		7.24	7.27		C			1							S
89423	9.704	0.025	8.510	0.017		1.022	0.024	T	1.00	0.02	L	8.5832	0.0019	0.014	75		8.55	8.60					1							
89424	10.434	0.036	9.768	0.032		0.617	0.040	T	0.69	0.04	L	9.9200	0.0029	0.023	98		9.88	9.96		C	18150−4832	I 1	1							G
89425	9.535	0.048	8.008	0.025		1.283	0.043	T	1.24	0.04	L	8.0130	0.0015	0.009	73		8.00	8.03		C			1							
89426	11.475	0.075	9.557	0.023		1.592	0.062	T	1.61	0.06	L	9.5171	0.0026	0.029	131		9.46	9.57					1							
89427	11.940	0.137	9.149	0.022		2.240	0.015	G	2.26	0.09	H	8.7788	0.0028	0.031	77		8.72	8.82		U			1 S							
89428	10.731	0.044	9.166	0.021		1.313	0.038	T	1.27	0.04	L	9.2010	0.0028	0.022	80		9.16	9.24					1							
89429			7.672	0.009		1.681	0.092	G	2.12	0.10	O	6.8035	0.0038	0.022	69		6.78	6.84		U 2			1 S							S
89430	8.187	0.018	7.550	0.015	*	0.586	0.017	T	0.66	0.02	L *	7.7186	0.0018	0.013	84	*	7.70	7.74		D	18151−5751	I 1	2 C A	AB	88	2.010	0.004	0.33	0.01	S
89431	10.971	0.042	9.440	0.018		1.286	0.036	T	1.25	0.04	L	9.4748	0.0022	0.027	138		9.43	9.53		C			1							
89432	9.012	0.013	8.736	0.014		0.263	0.018	T	0.30	0.02	L	8.7756	0.0020	0.017	97		8.75	8.81		C	18152+5209	I 1	1							S
89433	8.968	0.010	8.725	0.011		0.232	0.014	T	0.26	0.02	L	8.7586	0.0015	0.016	126		8.73	8.79		C			1							
89434	8.136	0.010	7.932	0.010		0.195	0.013	T	0.21	0.01	L	7.9855	0.0012	0.013	124		7.96	8.01					1							S
89435	10.614	0.080	8.377	0.022		1.868	0.020	G	1.85	0.02	J	8.2685	0.0018	0.015	66		8.24	8.29					1							
89436	9.658	0.023	8.741	0.017		0.937	0.020	G	0.93	0.01	H	8.7564	0.0025	0.019	70		8.72	8.79					1							
89437	8.618	0.008	8.189	0.008		0.448	0.015	G	0.52	0.02	H	8.2243	0.0013	0.018	199		8.19	8.26					1							S
89438	10.136	0.034	8.590	0.016		1.298	0.030	T	1.26	0.03	L	8.6033	0.0021	0.016	72		8.57	8.63		C			1							
89439	5.350	0.003	5.347	0.003		0.007	0.004	T	0.15	0.03	C	5.3438	0.0011	0.011	79		5.33	5.37		U 2			1							S
89440	5.938	0.003	5.968	0.005		−0.023	0.005	T	0.00	0.01	L	5.9570	0.0010	0.006	79		5.95	5.97		C	18152−2023	I 1	1							S
89441	8.913	0.014	8.297	0.013		0.643	0.020	G	0.71	0.02	H	8.3505	0.0020	0.016	71		8.33	8.38					1							
89442	9.981	0.030	8.471	0.016		1.270	0.027	T	1.23	0.03	L	8.4607	0.0020	0.015	72		8.44	8.49		C			1							
89443	9.634	0.018	8.888	0.015		0.682	0.019	T	0.74	0.02	L	8.9793	0.0023	0.016	110		8.95	9.01					1							
89444	9.052	0.018	8.762	0.020		0.290	0.020	G	0.33	0.03	H	8.8140	0.0023	0.014	64		8.79	8.84		C			1							
89445	10.099	0.020	8.931	0.013		1.002	0.019	T	0.98	0.01	L	8.9737	0.0017	0.021	160		8.94	9.01		C			1							
89446	8.052	0.009	6.950	0.007		0.951	0.009	T	0.94	0.01	L	6.9933	0.0009	0.009	110		6.98	7.01					1							S
89447	9.687	0.020	8.606	0.014		0.935	0.019	T	0.93	0.01	L	8.6585	0.0023	0.017	90		8.63	8.69		C			1							
89448	7.316	0.005	6.080	0.003		1.055	0.005	T	1.02	0.00	L	6.1245	0.0008	0.008	109		6.11	6.14		C			1							S
89449	11.716	0.101	10.200	0.039		1.323	0.019	G	1.53	0.03	I	10.1635	0.0032	0.031	128		10.12	10.23		C			1							G
89450											T	12.5595	0.0732	0.441	117		11.86	12.97	0.45	P 1 A			1							G
89451	9.741	0.026	8.417	0.016		1.124	0.024	T	1.09	0.03	L	8.4366	0.0022	0.015	61		8.41	8.46					1 S							
89452	8.297	0.010	7.717	0.011		0.542	0.013	T	0.62	0.01	L	7.7685	0.0012	0.009	114		7.75	7.79		C			1							S
89453	7.612	0.012	7.516	0.014		0.086	0.015	G	0.06	0.01	L	7.5573	0.0015	0.011	68		7.54	7.58		C			1							S
89454	8.541	0.014	8.040	0.014		0.466	0.015	G	0.54	0.02	H	8.0878	0.0017	0.013	74		8.06	8.11		C			1							S
89455	9.190	0.013	8.388	0.010	*	0.726	0.012	T	0.78	0.01	L *	8.4472	0.0016	0.015	121	*	8.42	8.47		D	18154+5720	H 1	2 C S A	AB	139	0.160	0.008	0.63	0.36	
89456	9.622	0.023	9.384	0.029		0.227	0.035	T	0.25	0.04	L	9.3739	0.0016	0.013	72		9.35	9.40		D			1							G
89457	10.415	0.036	8.555	0.014		1.546	0.031	T	1.61	0.07	L	8.4732	0.0017	0.017	100		8.44	8.50					1							
89458	8.334	0.011	7.863	0.011	*	0.444	0.015	T	0.51	0.02	L *	7.9964	0.0012	0.014	138	*	7.97	8.03		D	18154+1946	I 1	2 C A	AB	329	5.242	0.005	0.87	0.01	S
89459	8.573	0.012	8.114	0.012	*	0.453	0.015	G	0.52	0.02	H *	8.3009	0.0012	0.017	159	*	8.27	8.33		D	18154−7640	I 1	2 C A	AB	76	1.995	0.002	0.26	0.01	S
89460	7.695	0.010	6.672	0.004	A	0.891	0.008	T	0.90	0.01	L	6.7415	0.0080	0.014	98	A	6.73	6.76		M	18154−4851	I 1	2 C B	AB	113	17.223	0.033	3.17	0.14	S
89461	9.003	0.017	7.563	0.010		1.215	0.015	T	1.17	0.01	L	7.6021	0.0012	0.010	72		7.59	7.62		C			1							S
89462	10.393	0.023	9.320	0.015		0.920	0.022	T	0.92	0.02	L	9.4131	0.0022	0.022	157		9.37	9.45					1							
89463	6.858	0.005	6.909	0.008		−0.049	0.015	G	−0.03	0.01	H	6.9083	0.0010	0.008	74		6.90	6.92		C			1							S
89464	9.690	0.022	9.282	0.022		0.370	0.015	G	0.43	0.02	H	9.3692	0.0017	0.016	112		9.34	9.40		C			1							
89465	8.612	0.010	6.721	0.005		1.604	0.009	T	2.17	0.03	O	6.5755	0.0030	0.023	123		6.54	6.61		U 2			1 S							S
89466	9.737	0.017	8.271	0.010		1.235	0.015	T	1.19	0.01	L	8.3093	0.0015	0.017	133		8.28	8.34					1							
89467	9.406	0.018	8.742	0.016		0.600	0.015	G	0.67	0.01	H	8.8245	0.0020	0.018	75		8.79	8.86		C			1							
89468	8.673	0.014	8.652	0.019		0.047	0.003	G	0.06	0.00	H	8.6397	0.0017	0.016	83		8.61	8.67					1							
89469	9.786	0.022	9.049	0.019		0.660	0.022	T	0.72	0.02	L	9.1132	0.0016	0.017	89		9.09	9.14		D			1							
89470	6.254	0.005	6.074	0.006		0.165	0.007	T	0.18	0.01	L	6.1064	0.0022	0.015	74		6.08	6.13	2.36	P 1 A	18155−1840	I 1	1							S
89471	9.241	0.016	8.746	0.015	*	0.477	0.017	T	0.55	0.02	L *	8.7720	0.0025	0.018	80	*	8.75	8.80		D	18155−5149	H 1	2 C B	AB	323	0.238	0.033	2.35	0.47	
89472	10.130	0.031	8.703	0.017		1.205	0.028	T	1.16	0.03	L	8.7283	0.0019	0.015	77		8.71	8.76		C			1							
89473	7.858	0.008	7.807	0.011		0.052	0.013	T	0.06	0.01	L	7.8489	0.0013	0.010	110		7.83	7.87		C			1							S
89474	7.084	0.005	6.373	0.004		0.641	0.005	T	0.71	0.00	L	6.4352	0.0006	0.006	115		6.42	6.45					1							S
89475	9.639	0.018	9.062	0.017		0.539	0.022	T	0.61	0.02	L	9.1264	0.0016	0.015	112		9.10	9.15					1							
89476	7.896	0.008	7.525	0.007		0.372	0.015	G	0.43	0.02	H	7.5676	0.0009	0.009	122		7.55	7.59					1							S
89477	8.613	0.012	7.388	0.008		1.047	0.011	T	1.02	0.01	L	7.4323	0.0014	0.011	85		7.40	7.45		C			1							S
89478	8.091	0.008	7.406	0.008		0.636	0.015	G	0.70	0.01	H	7.4576	0.0011	0.008	106		7.45	7.48					1							S
89479	7.773	0.006	7.633	0.007		0.127	0.009	T	0.14	0.01	L	7.6664	0.0012	0.013	170		7.65	7.69					1							S
89480	7.880	0.011	7.510	0.012		0.366	0.015	G	0.43	0.02	H	7.5515	0.0013	0.011	81		7.53	7.57		C			1							S
89481	8.966	0.011	8.510	0.011		0.430	0.014	T	0.50	0.01	L	8.5565	0.0016	0.016	150		8.52	8.59					1							
89482	5.408	0.002	5.546	0.003		−0.111	0.001	G	−0.10	0.00	H	5.5307	0.0011	0.010	112		5.51	5.54		U 2			1							S
89483	12.128	0.408	10.699	0.178		1.390	0.020	G	1.36	0.02	I	10.6193	0.0045	0.040	71		10.56	10.69					1 S							D
89484	9.104	0.012	7.942	0.008		0.997	0.011	T	0.98	0.01	L	8.0019	0.0013	0.015	151		7.98	8.03					1							S
89485	9.087	0.014	8.328	0.011		0.692	0.014	T	0.75	0.01	L	8.3966	0.0017	0.013	110		8.37	8.42					1 G							S
89486	6.948	0.006	6.934	0.005		0.013	0.007	T	0.03	0.01	L	6.9532	0.0009	0.009	80		6.94	6.97					1							S
89487	6.782	0.004	5.689	0.003		0.944	0.004	T	0.93	0.00	L	5.7445	0.0006	0.007	129		5.73	5.76			18157−6303	I 1	1							S
89488											T	11.1663	0.0060	0.041	78		11.09	11.25		C			1							G
89489	8.644	0.026	7.386	0.013	*	1.072	0.023	T	1.04	0.02	L *	7.4483	0.0016	0.012	78	*	7.43	7.47		D	18157−0321	I 1	2 C A	AB	6	3.238	0.010	2.90	0.05	S
89490						1.500	0.015	G	2.07	0.12	I	10.8991	0.0042	0.033	128		10.83	10.95		C			1							G
89491	9.948	0.017	8.812	0.011	A	0.977	0.016	T	0.96	0.01	L	8.9183	0.0243	0.070	216	A	8.78	9.00		D	18158+2400	I 2	1 C P A							
89492	9.641	0.015	8.469	0.010		1.081	0.010	G	1.04	0.01	H	8.5036	0.0017	0.017	157		8.48	8.53		C			1							
89493	10.073	0.019	9.649	0.020	B	0.401	0.026	T	0.47	0.03	L	9.7367	0.0430			B				D	18158+2400	I 2	1 C I A							
89494	9.033	0.015	8.540	0.014		0.475	0.016	T	0.55	0.02	L	8.5986	0.0013	0.014	100		8.57	8.62		C			1							
89495	8.405	0.007	8.420	0.009		−0.009	0.010	T	0.01	0.01	L	8.4227	0.0018	0.021	166		8.39	8.46					1							S
89496	8.372	0.012	7.945	0.011		0.432	0.015	G	0.50	0.02	H	8.0034	0.0012	0.012	77		7.98	8.02					1							S
89497	9.483	0.024	8.654	0.020		0.762	0.002	G	0.81	0.00	H	8.6831	0.0019	0.015	84		8.66	8.71					1							
89498	11.511	0.077	11.268	0.104	A	0.420	0.370	G	0.48	0.07	B *	10.7730	0.0103	0.123	121	*	10.68	11.30	0.53	P 1 A	18158+4107	I 1	2 C A	AB	4	2.536	0.014	1.31	0.06	G
89499	7.548	0.016	7.429	0.017		0.115	0.022	T	0.13	0.02	L	7.4581	0.0195	0.102	71		7.33	7.72	1.09	P 1 A			1							S
89500	7.036	0.004	7.040	0.006		−0.004	0.003	G	0.02	0.00	H	7.0500	0.0008	0.008	116		7.04	7.06					1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)																Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ $\alpha*$	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr																	%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28							29	30
89501	18 15 50.59	+34 35 35.8	8.69	H	273.960 804 47	+34.593 288 83		−0.17	−3.94	−5.40	0.74	0.72	0.93	0.81	0.85	+ 4	−15	− 4	+ 6	+ 2	−14	+ 2	+ 9	+ 3	− 3							1	−0.24
89502	18 15 50.90	−36 34 25.5	6.94	2 H	273.962 102 48	−36.573 756 34		2.74	−0.74	−2.20	0.81	0.52	0.87	1.05	0.58	− 1	−15	+ 0	+13	−13	−15	−17	−31	− 4	−19							0	0.52
89503	18 15 50.99	−23 33 42.8	9.80	G	273.962 466 46	−23.561 890 35		2.18	1.56	−11.75	1.52	0.88	1.70	1.81	1.11	+ 4	−45	−11	+ 9	+13	+ 5	+ 5	−31	+25	+14							2	0.02
89504	18 15 52.35	−57 24 46.8	9.42	H	273.968 132 52	−57.413 012 59		4.39	−4.07	−31.84	1.18	0.87	1.42	1.50	1.00	−21	−10	−18	+15	−21	− 2	−22	− 2	+24	−28							0	0.01
89505	18 15 53.33	+30 23 59.4	6.76	H	273.972 210 91	+30.399 835 46		8.95	32.31	11.83	0.42	0.53	0.65	0.49	0.79	+ 3	− 5	−21	+ 8	+ 5	−16	+ 1	− 2	+10	− 2							0	−1.02
*89506	18 15 53.44	+15 20 41.8	8.20	H	273.972 663 15	+15.344 938 40		2.86	−5.36	−3.27	0.71	0.68	1.08	1.00	1.00	−20	−24	− 3	− 6	+22	− 7	+22	− 8	+ 0	−35							0	0.93
*89507	18 15 53.39	−44 12 23.4	5.45	H	273.972 472 95	−44.206 496 32	+	12.16	69.29	14.67	0.80	0.60	0.89	1.40	0.73	−18	−25	− 4	+ 2	+18	−24	+ 8	−13	+ 2	+16							0	0.77
89508	18 15 54.86	−13 34 27.7	8.22	G	273.978 585 69	−13.574 354 77		1.55	−1.25	0.30	1.13	0.69	1.40	1.49	0.90	− 3	−29	−31	−17	+34	−43	+ 1	−58	+41	−62							0	−0.33
89509	18 15 54.91	+34 57 36.3	8.21	H	273.978 788 44	+34.960 072 83		2.67	−13.14	−9.35	0.61	0.64	0.78	0.70	0.79	+ 2	−17	+ 0	+16	− 5	− 9	− 4	+19	− 1	− 7							0	0.43
89510	18 15 56.05	−31 45 32.3	8.30	2 H	273.983 560 36	−31.758 969 56		2.00	−2.18	−10.19	1.14	0.76	1.22	1.45	0.86	− 5	−29	+ 1	− 4	+19	+16	+20	−49	+ 4	+ 9							0	−0.90
89511	18 15 57.90	−17 36 28.5	7.53	H	273.991 249 49	−17.607 913 62		1.66	3.17	−7.52	1.01	0.57	1.07	1.18	0.69	− 2	−44	−19	+26	+ 1	−11	−18	−29	+22	−30							0	−0.59
89512	18 15 57.93	−03 37 04.7	6.35	G	273.991 377 04	−03.617 983 59		6.91	−0.50	−3.52	0.72	0.49	0.85	0.66	0.51	−10	−37	− 2	−15	− 7	+28	− 6	−30	−13	−27							0	−0.18
89513 H	18 15 59.05	−37 03 13.3	8.28	H	273.996 026 40	−37.053 685 70	*	12.17	34.36	−121.72	3.00	2.07	1.67	2.02	1.11	− 8	−18	−20	−23	−15	−20	−19	−52	+ 5	+14							10	1.28
89514	18 16 00.82	−41 52 08.8	9.44	G	274.003 399 15	−41.869 101 49		7.91	−3.97	−58.77	1.30	0.85	1.53	1.88	1.16	− 3	−23	−12	+ 6	− 7	+ 9	− 9	−36	+30	+ 3							0	−1.38
89515	18 16 00.90	+53 17 47.8	7.22	H	274.003 731 14	+53.296 618 12		7.09	−31.55	35.67	0.48	0.38	0.50	0.49	0.48	− 3	−10	− 2	+ 3	+15	− 6	+20	−20	+ 2	+ 5							1	0.18
*89516	18 16 02.24	+84 36 41.4	8.49	1 H	274.009 342 28	+84.611 489 46		1.72	0.92	−4.53	0.61	0.67	0.73	0.71	0.80	+13	−26	−21	−11	− 4	+26	− 1	+ 0	+ 4	+20							0	2.69
*89517	18 16 02.19	+13 54 52.6	10.18	G	274.009 130 02	+13.914 607 96		52.57	100.63	−500.97	2.69	2.46	4.26	4.08	3.21	− 1	−15	−15	− 7	+25	−25	+18	−36	+14	− 2							0	
*89518	18 16 02.14	−14 55 27.0	7.82	H	274.008 918 79	−14.924 175 48		4.55	−1.93	−6.33	0.92	0.50	0.99	0.85	0.55	+ 8	−53	−14	+13	+ 1	− 4	−13	−29	+14	−19							0	−1.82
89519	18 16 02.29	−14 18 21.2	9.22	G	274.009 551 56	−14.305 891 85		4.93	−2.57	0.37	1.27	0.79	1.38	1.47	0.92	+ 3	−22	−11	+ 2	+13	−12	+ 2	−36	+12	−20							0	−0.07
89520	18 16 02.84	−63 17 13.8	8.95	H	274.011 823 54	−63.287 161 99		6.06	−13.23	−38.68	0.91	0.83	1.22	1.02	0.97	+19	−12	−18	−28	− 7	+ 6	− 6	−34	+12	+41							0	−0.84
89521	18 16 03.29	+50 31 57.7	7.45	H	274.013 692 03	+50.532 682 57		5.64	14.55	−20.60	0.66	0.49	0.56	0.76	0.59	− 2	−22	− 8	+ 9	+11	− 2	+10	+16	−12	− 2							0	−0.13
89522	18 16 03.47	+39 23 03.2	8.19	H	274.014 476 17	+39.384 227 40		2.20	−20.43	−25.10	0.62	0.67	0.76	0.68	0.79	− 1	− 9	−17	+ 8	+20	−16	+19	− 6	+ 4	− 4							0	0.59
89523	18 16 03.76	+68 38 51.0	10.13	G	274.015 650 12	+68.647 510 27		12.04	127.76	441.41	0.96	0.99	1.07	1.02	1.14	− 4	−20	+22	−18	−25	+ 5	−26	+ 0	− 8	− 6							3	0.18
89524 H	18 16 04.64	−11 10 47.3	7.73	G	274.019 344 04	−11.179 803 31	A	11.33	−27.52	−50.52	1.18	0.92	1.28	1.47	0.94	+16	+ 6	−25	+ 7	− 4	− 5	−21	−53	+26	−15							0	0.59
89525	18 16 05.15	−33 18 39.3	8.33	H	274.021 471 86	−33.310 905 35		2.73	1.89	5.39	1.10	0.69	1.15	1.24	0.72	−23	−26	−13	− 2	+23	+ 6	+23	−39	+ 4	−22							0	−0.21
*89526 H	18 16 05.58	−30 51 11.2	11.50	H	274.023 252 42	−30.853 109 61	A	4.47	−37.19	−13.04	9.59	6.38	7.92	11.95	6.78	+47	−28	−14	−21	−35	+ 0	−34	−73	+13	+42							6	0.78
*89527	18 16 05.58	+02 22 39.3	6.10	2 H	274.023 231 96	+02.377 586 11		4.62	−6.83	−28.61	0.73	0.52	0.82	0.72	0.58	+ 0	−30	−18	− 3	− 9	+12	−11	−29	+ 1	−20							0	2.46
89528	18 16 05.68	+39 00 26.1	8.79	H	274.023 669 63	+39.007 250 55		2.45	−4.64	−7.85	0.66	0.74	0.85	0.75	0.92	+ 0	−19	− 8	+24	+11	−17	+12	− 6	−12	− 2							1	−1.36
89529	18 16 06.75	−18 37 02.8	11.27	G	274.028 107 42	−18.617 441 43		−0.40	−0.79	−17.31	2.41	1.70	2.72	3.40	2.17	+ 7	−15	−23	+ 9	+ 9	−27	−17	−49	+25	−38							2	1.73
89530 H	18 16 07.07	−56 39 03.0	6.91	H	274.029 477 13	−56.650 828 81	A	7.46	−9.65	−39.45	1.02	0.72	1.10	1.06	0.74	−15	−34	− 3	+ 0	−31	+ 4	−33	− 6	+20	− 4							1	−0.43
89531	18 16 07.19	−38 46 36.2	9.52	H	274.029 968 35	−38.776 734 07		9.37	53.25	−32.55	1.46	1.02	1.72	1.79	1.09	+26	−43	−37	+23	+28	−35	−13	−40	+33	−34							0	−1.02
89532	18 16 09.05	+21 02 23.5	7.20	H	274.037 711 28	+21.039 856 18		5.61	10.50	9.13	0.46	0.50	0.77	0.50	0.54	+15	− 4	+ 5	+52	+24	+ 1	+23	+30	+14	+14							1	−0.28
89533	18 16 10.80	−70 38 40.9	8.30	H	274.044 990 35	−70.644 684 27		3.25	10.86	−11.35	0.43	0.65	0.97	0.45	0.68	+ 1	−13	− 7	+17	− 6	− 3	− 7	+ 0	+ 7	− 4							0	−0.16
89534	18 16 10.87	+29 54 01.7	10.21	H	274.045 287 74	+29.900 470 28		8.70	1.56	6.33	1.02	1.20	1.56	1.30	1.78	− 3	−21	+ 0	+ 2	+ 5	− 4	+ 8	−13	+ 3	+16							0	−0.42
89535	18 16 12.29	−30 52 07.9	10.94	H	274.051 190 41	−30.868 859 76		8.93	−27.68	−17.76	5.70	3.66	6.04	7.81	4.62	+34	−26	−16	+ 9	− 2	+ 6	− 7	−46	+22	+33							8	3.60
89536	18 16 12.35	+16 35 12.6	8.97	H	274.051 450 25	+16.586 843 94		4.82	−4.53	−2.96	0.96	0.80	1.29	1.28	1.01	− 7	−38	− 3	+ 6	+33	−20	+24	− 8	+10	− 2							0	−0.65
89537	18 16 12.53	−36 36 05.4	8.69	H	274.052 198 52	−36.601 488 59		1.71	1.31	−1.83	1.23	0.84	1.34	1.71	0.96	+ 3	+ 7	− 5	− 4	− 5	−21	−10	−48	− 1	− 9							0	0.48
89538	18 16 12.93	+15 45 53.0	9.56	H	274.053 876 93	+15.764 723 40		3.40	−0.44	−3.11	0.97	0.88	1.36	1.35	1.26	−23	−22	+ 9	− 2	+27	+ 2	+25	− 8	+ 7	−25							0	1.06
89539	18 16 13.25	−35 14 27.2	7.33	H	274.055 191 45	−35.240 899 96		4.00	0.29	−0.71	0.90	0.60	0.98	1.21	0.69	− 1	−16	+ 8	+ 2	−15	−26	−12	−34	−10	− 6							0	−0.25
89540	18 16 13.56	+44 22 44.5	8.61	H	274.056 493 88	+44.379 040 73	A	5.17	11.73	−25.81	1.28	1.10	1.19	1.28	1.20	+ 8	−19	− 6	+18	+ 0	− 1	+ 1	+ 4	+ 0	+10							3	0.96
89541	18 16 14.50	+64 04 17.5	8.18	H	274.060 399 45	+64.071 527 67		4.26	−5.27	26.13	0.81	0.83	0.86	0.88	0.85	+11	− 8	− 8	+ 2	+15	− 9	+16	−16	+ 0	+25							0	
89542	18 16 14.82	+52 52 07.9	8.80	H	274.061 735 95	+52.868 867 76		5.20	12.11	17.22	0.67	0.53	0.72	0.67	0.66	+ 5	−18	+ 2	+ 9	+ 7	− 4	+ 9	−11	− 7	+ 3							0	1.99
*89543	18 16 15.30	+28 10 31.0	7.86	1 H	274.063 757 45	+28.175 266 29		3.36	3.33	16.19	0.54	0.60	0.80	0.69	0.73	+ 7	+ 1	− 3	−11	+ 8	− 8	+ 7	− 7	− 1	+15							0	1.73
*89544	18 16 15.25	−09 48 34.5	7.78	H	274.063 558 34	−09.809 572 74		6.12	33.90	−13.84	0.87	0.52	0.95	0.83	0.55	+13	−31	−21	−14	− 1	−10	−10	−43	+ 9	− 9							0	−0.85
89545	18 16 18.16	+08 00 59.8	8.84	G	274.075 686 04	+08.016 610 44		11.11	123.37	−30.20	1.01	0.84	1.28	1.21	1.13	+38	−43	−30	−36	−18	+25	−13	−31	+ 9	+26							0	2.16
89546	18 16 18.85	−49 41 02.7	8.79	H	274.078 527 34	−49.684 082 39		2.27	8.50	−53.74	1.06	0.75	1.26	1.26	0.79	− 1	−21	−12	+20	−40	− 3	−36	− 1	+ 5	− 4							2	0.14
89547	18 16 19.15	+09 58 48.3	9.03	H	274.079 806 01	+09.980 090 12		1.84	−7.07	5.90	1.06	0.94	1.35	1.19	1.08	+40	−34	−27	−27	−13	+12	−13	−36	+14	+44							0	1.41
89548	18 16 20.19	+17 31 41.2	9.36	H	274.084 108 88	+17.528 116 37		4.00	−8.33	−7.10	0.92	0.94	1.36	1.22	1.09	+ 2	−20	−19	+27	+40	−22	+32	+21	− 6	−36							0	−0.54
89549	18 16 20.61	+13 10 46.6	8.51	G	274.085 867 58	+13.179 615 18		2.12	−4.74	8.30	0.75	0.69	1.30	1.16	0.93	− 4	− 3	−11	+ 8	+39	−27	+36	−22	+22	+ 6							0	1.33
89550	18 16 20.74	−47 25 28.0	11.76	G	274.086 399 71	−47.424 450 53		−4.41	−21.04	−13.18	2.55	1.68	3.25	3.19	1.93	+ 1	−18	+ 1	+24	−24	+ 4	−20	− 8	+19	+16							0	−0.50
89551	18 16 22.20	+10 48 53.4	7.58	H	274.092 516 69	+10.814 829 16		1.16	−1.63	−7.73	0.68	0.60	0.84	0.84	0.75	− 2	−27	− 6	− 9	+14	+12	+11	−20	+13	+ 4							0	−0.55
89552 H	18 16 23.14	−40 28 19.7	7.34	1 G	274.096 432 73	−40.472 132 74	A	2.11	−5.62	−4.47	2.17	1.31	1.63	1.91	1.15	+ 3	−24	−15	+ 7	+22	− 4	+ 9	− 5	+10	+26							1	−0.87
89553	18 16 24.90	+48 22 07.6	7.45	2 H	274.103 748 75	+48.368 768 45		1.53	2.88	4.32	0.54	0.46	0.57	0.63	0.59	− 2	+ 0	−12	− 2	+ 6	− 5	+ 7	+19	− 7	− 8							0	−1.04
89554	18 16 25.98	−59 24 10.1	8.22	H	274.108 251 55	−59.402 815 18		16.09	−259.31	−125.82	0.90	0.74	1.04	1.06	0.77	+ 0	−11	+ 8	+12	−42	− 6	−35	−20	−10	+ 7							0	0.43
89555	18 16 27.78	+10 26 34.8	8.46	H	274.115 736 15	+10.442 990 68		2.03	−1.05	2.12	0.82	0.78	1.08	0.98	0.92	+24	−25	− 2	− 7	+11	+19	+ 8	−15	+15	+33							0	0.30
89556	18 16 27.82	+50 36 59.5	8.15	H	274.115 906 99	+50.616 541 01		3.64	−4.51	7.45	0.70	0.50	0.70	0.88	0.69	+ 8	−24	− 9	+19	+ 8	− 4	+ 9	+ 6	−11	− 1							0	0.14
89557	18 16 28.48	−46 33 17.0	7.85	H	274.118 648 28	−46.554 728 46		3.75	0.47	−7.55	0.89	0.55	1.10	0.97	0.56	− 2	−30	− 8	+21	−42	− 4	−39	+ 3	+ 9	+ 5							2	−0.37
89558	18 16 28.55	−57 26 49.5	7.03	G	274.118 964 23	−57.447 075 95		16.76	8.63	−24.21	0.79	0.53	0.91	0.99	0.67	−24	−24	− 8	+26	−18	− 8	−24	+ 4	+37	−22							0	−0.20
89559 H	18 16 28.92	−76 04 17.5	9.11	H	274.120 492 68	−76.071 521 65	*	2.89	−1.27	−14.33	4.21	5.34	1.51	1.43	1.42	− 1	−11	−19	− 7	−18	+ 7	−14	+12	− 2	− 6							0	0.58
89560	18 16 31.10	+45 33 25.3	10.31	G	274.129 570 87	+45.557 033 47		58.47	−12.30	338.11	1.04	0.96	1.11	1.16	1.11	+17	−12	− 7	+20	+11	+ 0	+12	+15	−14	+15							0	0.04
89561	18 16 31.53	+23 23 54.8	7.32	H	274.131 370 34	+23.398 563 65		5.69	14.67	18.46	0.36	0.62	0.91	0.48	0.68	+ 8	−11	− 5	+11	+17	−10	+14	+30	+ 1	+10							0	1.17
89562	18 16 31.73	−04 02 13.3	8.71	H	274.132 208 71	−04.037 033 57		1.19	−4.78	2.13	0.94	0.65	1.11	0.95	0.68	− 8	−32	−10	−17	− 5	+28	− 2	−32	− 7	−19							0	−0.26
89563	18 16 32.93	+30 11 10.2	9.22	H	274.137 226 15	+30.186 179 54		4.13	−3.39	−3.92	0.72	0.93	1.13	0.87	1.52	+ 8	−17	−12	+13	− 6	− 6	− 9	+ 6	− 5	+ 2							0	−1.23
89564	18 16 33.26	+15 48 21.5	9.56	H	274.138 569 39	+15.805 970 96		6.95	−1.33	−6.74	1.06	0.88	1.46	1.44	1.19	+ 1	− 6	−15	+10	+30	−10	+24	−16	+32	− 9							0	1.63
89565	18 16 33.47	+08 21 39.8	7.71	H	274.139 469 40	+08.361 069 22		7.81	1.67	−16.73	0.72	0.59	0.99	0.97	0.82	+27	−15	−13	−30	+ 1	+19	+ 5	+19	+ 2	+10							0	−1.59
89566	18 16 34.21	−23 54 08.9	7.56	G	274.142 556 00	−23.902 458 76	A	7.65	8.59	−43.94	1.29	0.83	1.28	1.32	0.84	+35	−50	−35	+14	+ 8	−26	−18	−38	+23	+ 7							2	0.32
89567 H	18 16 35.37	−20 32 40.1	6.89	G	274.147 360 56	−20.544 464 76	*	5.39	7.51	−9.52	2.17	1.35	1.32	1.29	0.88	−19	−27	−38	− 4	+24	−30	+ 8	−59	+41	−15							0	0.40
89568	18 16 36.94	+03 41 35.2	8.98	3 H	274.153 897 76	+03.693 107 18	*	3.17	1.53	18.32	1.97	1.43	1.95	1.91	1.62	−27	+34	−14	−54	+14	− 1	+15	−69	+ 4	−13							4	0.21
89569	18 16 37.00	+36 22 15.1	10.01	H	274.154 171 54	+36.370 870 90		2.87	7.72	0.57	1.78	1.70	2.15	1.94	2.07	+ 3	−13	− 1	− 7	+ 8	−16	+ 9	− 9	+ 6	+ 1							3	
89570	18 16 37.09	+48 06 18.9	6.90	H	274.154 535 94	+48.105 250 23		5.15	−19.16	−22.75	0.48	0.43	0.52	0.55	0.54	+ 1	+ 1	− 8	+ 2	+ 6	+ 3	+ 8	+16	− 8	− 5							0	0.31
89571	18 16 40.77	+69 42 34.7	8.36	G	274.169 885 01	+69.709 648 23		9.20	−34.29	−5.68	0.73	0.69	0.77	0.79	0.94	+ 9	−24	− 8	−15	− 4	− 8	+ 0	+31	−31	+14							0	−0.31
89572	18 16 41.44	+47 54 40.1	8.13	G	274.172 672 51	+47.911 151 23		8.12	−8.44	−21.75	0.54	0.48	0.58	0.60	0.63	+ 5	+ 3	− 5	− 4	+ 6	+ 2	+ 8	+10	− 4	− 1							1	0.12
89573	18 16 42.29	−25 07 08.0	9.05	H	274.176 190 84	−25.118 891 03		10.10	−30.48	6.60	1.51	0.91	1.47	1.53	1.02	+51	−56	−28	+ 8	−12	−10	−23	−41	+ 9	+28							0	0.21
89574	18 16 42.69	+37 01 36.6	8.03	H	274.177 893 70	+37.026 835 91		1.58	0.29	−13.82	0.58	0.57	0.69	0.61	0.64	+ 8	−19	−10	+14	+13	−16	+11	+ 9	+ 4	+ 7							0	−1.05
89575	18 16 42.74	+55 41 24.1	8.75	G	274.178 067 35	+55.690 024 56		6.24	−16.20	−19.24	0.75	0.54	0.70	0.83	0.70	+13	+ 2	− 6	+34	+24	−10	+27	− 6	+ 4	+14							0	1.91
89576	18 16 43.12	+21 22 16.7	8.96	H	274.179 678 04	+21.371 311 41		0.78	5.73	4.80	0.67	0.83	1.27	0.73	0.92	+14	+ 8	+ 5	+52	+20	+12	+20	+37	+13	+12							1	0.28
89577	18 16 44.75	+27 05 45.0	8.34	1 H	274.186 440 88	+27.095 842 17		13.04	6.21	−49.60	0.59	0.70	0.93	0.71	0.86	− 1	−18	+ 0	+ 4	+ 9	− 1	+ 7	+13	−13	− 1							0	0.73
89578	18 16 45.12	−47 02 22.6	11.16	G	274.187 998 10	−47.039 600 97		3.11	−8.51	−43.27	2.30	1.46	2.73	2.68	1.49	− 6	−17	− 5	+25	−41	− 6	−37	+ 2	+ 5	− 2							2	0.34
89579	18 16 45.85	+06 54 18.2	11.01	2 H	274.191 038 23	+06.905 054 04		1.59	6.42	5.32	1.80	1.51	2.22	1.93	1.82	− 3	−28	−14	−25	+ 6	+26	+13	−33	+ 1	+ 8							2	0.84
89580	18 16 48.24	+61 17 31.9	9.84	H	274.200 980 12	+61.292 186 73		7.36	2.97	12.08	0.89	0.80	0.88	1.02	0.96	+ 2	−20	+10	−22	+ 4	+19	+ 4	−18	− 6	+14							0	−0.40
89581	18 16 48.88	+59 53 45.6	9.48	H	274.203 669 77	+59.895 986 30		0.91	6.59	−5.57	1.10	1.06	0.87	1.38	1.25	+16	−10	+ 3	+60	+15	− 5	+14	+29	+14	+18							0	−1.65
89582	18 16 49.38	+51 13 44.7	7.96	H	274.205 751 20	+51.229 084 68		2.21	−1.59	−6.64	0.65	0.47	0.65	0.80	0.65	+ 7	− 5	−15	+ 9	+ 3	− 3	+ 2	+ 2	− 6	− 7	+ 1							0	−1.61
89583	18 16 49.51	−11 24 19.2	8.90	G	274.206 275 39	−11.405 341 69		17.75	76.35	−213.66	1.12	0.71	1.16	1.37	0.88	−18	−21	−10	− 1	+28	+ 2	+16	−38	+10	−47							2	0.89
89584	18 16 49.65	−16 31 04.3	8.13	G	274.206 894 77	−16.517 858 64		2.21	0.65	−2.05	1.11	0.54	1.17	0.98	0.60	+ 2	−59	+ 0	+22	+ 0	−20	−13	−38	+ 5	−23							0	0.02
89585	18 16 51.87	−46 04 27.0	8.38	H	274.216 113 73	−46.074 157 23		2.64	3.51	−42.42	0.98	0.63	1.15	1.09	0.60	+10	−23	+ 6	+20	−50	−15	−41	− 2	− 2	+22							0	−0.45
89586	18 16 52.01	+78 58 00.2	8.76	H	274.216 705 20	+78.966 724 48		2.23	−15.88	−26.80	0.64	0.69	0.71	0.75	0.94	+13	− 3	+ 9	+ 5	− 7	+ 4	− 8	−19	−22	+10							0	0.34
89587	18 16 53.09	−03 00 24.3	5.99	H	274.221 211 87	−03.006 736 58		9.91	18.11	−273.27	0.75	0.48	0.83	0.66	0.52	− 7	−50	+ 9	− 4	−16	+ 8	−23	−33	− 1	−25							0	0.16
89588	18 16 54.11	+49 05 40.3	7.29	H	274.225 447 04	+49.094 529 38		5.09	−6.39	10.44	0.53	0.43	0.57	0.60	0.57	+ 3	−10	− 7	+ 4	+ 0	+ 4	+ 1	+ 0	−13	+ 3							0	−3.02
89589	18 16 54.57	−10 27 30.6	8.31	G	274.227 367 45	−10.458 509 11		12.87	121.60	−157.64	0.86	0.55	0.94	0.83	0.59	+ 2	−30	−12	− 9	+ 5	− 4	− 3	−40	+ 6	−19							0	1.00
89590	18 16 55.86	+14 00 57.1	9.07	H	274.232 752 50	+14.015 858 70		1.32	0.79	4.54	0.92	0.90	1.54	1.48	1.30	−12	−15	+11	− 1	+32	−15	+31	−24	+ 5	−12							0	2.14
89591	18 16 56.82	−56 33 31.2	9.63	H	274.236 767 25	−56.558 676 73		5.12	−14.52	−76.71	1.19	0.89	1.46	1.37	1.01	− 8	−30	+ 0	+10	−30	+ 8	−29	− 8	+12	+ 2							0	−0.26
89592	18 16 57.49	−27 42 56.2	6.66	G	274.239 558 47	−27.715 605 11		10.27	−3.40	−112.18	0.95	0.64	0.96	1.26	0.81	−30	−44	−13	−21	+47	−12	+26	−58	+15	−64							2	0.68
89593	18 16 58.51	−32 22 13.9	8.83	H	274.243 788 95	−32.370 518 88		7.57	−20.14	−16.39	1.25	0.76	1.36	1.64	0.89	− 2	−29	− 7	+14	+21	+20	+25	− 5	+15	+ 0

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
89501	10.155	0.026	8.814	0.014		1.137	0.023	T	1.10	0.02	L	8.8627	0.0019	0.020	128		8.82	8.90					1							
89502	6.805	0.005	6.902	0.008		−0.110	0.015	G	−0.09	0.02	H	6.9058	0.0024	0.020	70		6.85	6.93		U 2			1							S P
89503	10.458	0.049	9.989	0.059		0.530	0.020	G	0.60	0.02	H	9.9365	0.0020	0.024	87		9.89	9.99		C			1 S							G
89504	9.862	0.027	9.480	0.030		0.373	0.035	T	0.44	0.04	L	9.5042	0.0032	0.022	64		9.48	9.54					1							
89505	8.088	0.006	6.885	0.004		1.029	0.006	T	1.00	0.01	L	6.9279	0.0010	0.010	149		6.91	6.94					1							S
89506	9.219	0.014	8.289	0.010		0.822	0.013	T	0.84	0.01	L	8.3544	0.0017	0.015	119		8.33	8.39		C			1							
89507	6.674	0.004	5.559	0.003		0.962	0.002	G	0.95	0.00	H	5.6106	0.0007	0.006	100		5.60	5.62					1 O							S
89508	9.131	0.017	8.367	0.014		0.746	0.025	G	0.79	0.02	H	8.3777	0.0029	0.019	74		8.35	8.41					1							
89509	9.772	0.019	8.359	0.011		1.194	0.017	T	1.15	0.01	L	8.3781	0.0015	0.015	133		8.35	8.41					1							
89510	10.501	0.045	8.548	0.017		1.655	0.040	T	2.63	0.06	O	8.2972	0.0086	0.044	71		8.24	8.38	4.21	P 1 A			1							P
89511	7.574	0.009	7.539	0.009		0.054	0.008	G	0.07	0.01	H	7.5570	0.0015	0.009	64		7.54	7.58		C			1							S
89512	6.603	0.004	6.377	0.005		0.201	0.008	G	0.22	0.01	H	6.4096	0.0010	0.007	82		6.40	6.42		C			1							S
89513	8.927	0.017	8.363	0.016	*	0.532	0.017	T	0.60	0.02	L	* 8.4007	0.0025	0.018	63	*	8.37	8.43			18160−3703	I 1	2 C	B	BA	308	0.177	0.030	1.55	0.45	
89514	9.957	0.026	9.551	0.028		0.482	0.001	G	0.55	0.00	H	9.5684	0.0023	0.021	93		9.52	9.60		C			1							
89515	8.465	0.012	7.335	0.008		0.972	0.011	T	0.96	0.01	L	7.3865	0.0008	0.008	112		7.38	7.40					1							S
89516	10.476	0.031	8.635	0.013		1.531	0.027	T	1.58	0.06	L	8.6168	0.0025	0.024	124		8.58	8.65		U			1							
89517	12.087	0.138	10.310	0.043		1.404	0.005	G	1.68	0.01	I	10.2617	0.0028	0.028	121		10.19	10.32		C			1 X							G
89518	8.115	0.010	7.864	0.010		0.239	0.013	T	0.27	0.02	L	7.8936	0.0013	0.013	86		7.87	7.92					1							S
89519	9.782	0.025	9.346	0.027		0.547	0.020	G	0.62	0.02	H	9.3600	0.0030	0.021	76		9.32	9.40					1							
89520	10.343	0.031	9.047	0.017		1.102	0.028	T	1.06	0.03	L	9.1149	0.0021	0.022	117		9.05	9.15					1							
89521	7.411	0.006	7.435	0.008		−0.017	0.009	T	0.01	0.01	L	7.4488	0.0009	0.009	110		7.43	7.47		C			1 G							S
89522	9.368	0.017	8.293	0.012		0.931	0.016	T	0.93	0.01	L	8.3556	0.0014	0.013	122		8.33	8.38		C			1							S
89523	11.050	0.053	10.148	0.038		0.690	0.015	G	0.75	0.01	H	10.2812	0.0025	0.020	96		10.25	10.31		C	18161+6839	I 1	1							G
89524	8.395	0.015	7.792	0.009	A	0.634	0.015	G	0.70	0.01	H	* 7.8150	0.0014	0.010	87	*	7.80	7.84		D	18161−1111	H 1	2 C	D	AB	113	8.382	0.076	4.17	0.25	S D
89525	10.545	0.046	8.544	0.016		1.695	0.040	T	2.19	0.09	O	8.3983	0.0021	0.020	82		8.36	8.43					1							
89526											T *	11.6425	0.0148	0.090	58	*	11.48	11.81			18161−3051	H 1	2 C	D	AB	191	2.230	0.040	1.08	0.22	G D
89527	8.169	0.012	6.344	0.010		1.550	0.013	T	2.65	0.04	O	6.0870	0.0083	0.050	65		6.03	6.20		U 2			1	S						S P
89528	10.302	0.028	8.932	0.016		1.160	0.025	T	1.12	0.02	L	8.9539	0.0022	0.019	123		8.92	8.99					1							
89529						1.570	0.021	G	1.54	0.02	J	10.9954	0.0080	0.045	70		10.93	11.08					1	S						G
89530	8.599	0.014	7.080	0.008	*	1.277	0.013	T	1.24	0.01	L *	7.0684	0.0012	0.009	80	*	7.05	7.09		D	18161−5639	I 1	2 C	A	AB	287	1.065	0.005	1.85	0.02	S
89531	10.112	0.033	9.580	0.033		0.507	0.035	T	0.58	0.04	L	9.6277	0.0024	0.018	71		9.59	9.67		C			1	S						G
89532	7.259	0.004	7.201	0.005		0.058	0.006	T	0.07	0.01	L	7.2256	0.0009	0.010	166		7.21	7.24		C			1							S
89533	9.733	0.012	8.420	0.007		1.115	0.011	T	1.08	0.01	L	8.4626	0.0012	0.017	283		8.44	8.50					1							
89534	11.049	0.045	10.348	0.039		0.646	0.049	T	0.71	0.04	L	10.3491	0.0026	0.034	142		10.30	10.41					1							G
89535											T	10.8658	0.0076	0.054	61		10.79	10.97		D			1	S						D
89536	9.104	0.013	8.962	0.016		0.137	0.019	T	0.15	0.02	L	9.0189	0.0019	0.016	97		8.99	9.06					1							
89537	10.285	0.043	8.842	0.023		1.217	0.038	T	1.18	0.04	L	8.8505	0.0026	0.015	66		8.80	8.88					1	S						
89538	9.674	0.018	9.561	0.023		0.110	0.027	T	0.12	0.03	L	9.6004	0.0026	0.023	108		9.56	9.63		C			1							
89539	9.427	0.022	7.481	0.009		1.614	0.019	T	1.64	0.02	L	7.4491	0.0014	0.013	76		7.42	7.48					1							S
89540	9.931	0.021	8.704	0.013	A	1.048	0.020	T	1.02	0.02	L	8.7809	0.0075	0.017	116	A	8.75	8.81			18162+4423	I 1	2 C	A	AB	345	11.226	0.028	3.08	0.13	
89541	8.344	0.009	8.234	0.011		0.127	0.015	G	0.14	0.01	H	8.2272	0.0015	0.014	116		8.21	8.25			18162+6404	I 1	1 X							S
89542	9.224	0.015	8.857	0.016		0.408	0.006	G	0.47	0.01	H	8.8936	0.0017	0.015	109		8.87	8.92		C			1							
89543	10.096	0.021	8.120	0.008		1.638	0.018	T	1.66	0.02	L	7.9732	0.0023	0.023	159		7.94	8.01		U			1							
89544	8.110	0.010	7.800	0.010		0.294	0.013	T	0.34	0.02	L	7.8549	0.0010	0.012	95		7.83	7.88					1							S
89545	9.589	0.018	8.919	0.016		0.699	0.003	G	0.76	0.00	H	8.9428	0.0021	0.018	101		8.90	8.98		C			1							
89546	10.167	0.029	8.908	0.017		1.073	0.026	T	1.04	0.02	L	8.9596	0.0023	0.022	106		8.92	8.99					1							
89547	10.483	0.038	9.173	0.021		1.113	0.034	T	1.08	0.04	L	9.2072	0.0025	0.023	91		9.16	9.25		C			1	S						
89548	9.531	0.017	9.368	0.021		0.156	0.025	T	0.17	0.03	L	9.4135	0.0019	0.021	127		9.37	9.44		C			1							
89549	9.880	0.018	8.629	0.011		1.080	0.015	G	1.04	0.01	H	8.6564	0.0011	0.016	140		8.63	8.68					1							
89550						0.920	0.020	G	0.92	0.01	J	11.9388	0.0056	0.069	92		11.86	12.05					1							G
89551	7.458	0.006	7.551	0.008		−0.080	0.009	T	−0.06	0.01	L	7.5582	0.0012	0.012	83		7.54	7.59					1							S
89552	7.268	0.008	7.359	0.009	*	−0.084	0.014	G	−0.06	0.02	H *	7.3361	0.0014	0.013	77	*	7.32	7.37		U 2	18164−4028	I 1	2 C	A	AB	280	0.438	0.003	0.45	0.02	S
89553	9.574	0.018	7.653	0.008		1.595	0.016	T	1.61	0.02	L	7.5614	0.0033	0.030	111		7.52	7.61		U 2			1							S
89554	8.707	0.014	8.256	0.013		0.439	0.015	T	0.51	0.02	L	8.3160	0.0014	0.013	84		8.30	8.34		C			1							S
89555	8.551	0.011	8.454	0.013		0.095	0.016	T	0.11	0.02	L	8.4953	0.0017	0.013	88		8.47	8.52		C			1							
89556	9.466	0.016	8.271	0.010		1.023	0.015	T	1.00	0.01	L	8.3206	0.0019	0.015	109		8.29	8.35		C			1							S
89557	7.815	0.007	7.849	0.008		−0.031	0.002	G	−0.01	0.00	H	7.8516	0.0012	0.012	112		7.83	7.87		C			1							S
89558	7.570	0.007	7.077	0.007		0.465	0.004	G	0.54	0.00	H	7.1373	0.0012	0.009	72		7.12	7.16		C			1							S
89559	9.367	0.013	9.142	0.015	*	0.215	0.019	T	0.24	0.02	L *	9.1788	0.0018	0.025	157	*	9.14	9.22			18165−7604	H 1	2 C	A	AB	272	0.271	0.036	2.44	0.39	
89560	12.129	0.142	10.455	0.049		1.428	0.025	G	1.74	0.06	I	10.3552	0.0027	0.023	118		10.31	10.39		C			1							G
89561	8.692	0.007	7.436	0.005		1.071	0.007	T	1.04	0.01	L	7.4838	0.0010	0.012	246		7.47	7.51			18165+2324	I 1	1							S
89562	9.150	0.015	8.773	0.016		0.394	0.020	G	0.46	0.02	H	8.8007	0.0015	0.012	88		8.77	8.82					1							
89563	9.265	0.013	9.225	0.017		0.042	0.020	T	0.06	0.02	L	9.2402	0.0024	0.023	141		9.20	9.29					1							
89564	9.741	0.020	9.617	0.026		0.120	0.031	T	0.13	0.03	L	9.6114	0.0029	0.024	107		9.57	9.65		C			1							
89565	8.119	0.007	7.759	0.007		0.341	0.009	T	0.40	0.01	L	7.7939	0.0012	0.013	133		7.77	7.82		C			1							S
89566	8.017	0.012	7.590	0.015	A	0.405	0.015	G	0.47	0.02	H	7.6479	0.0046	0.012	81	A	7.63	7.67		C	18166−2354	I 1	2 C	A	AB	7	10.976	0.021	3.23	0.09	S
89567	8.045	0.010	7.004	0.007	*	1.027	0.015	G	1.00	0.01	H *	7.0231	0.0009	0.008	74	*	7.01	7.04		D	18166−2033	M 1	2 C	A	AB	132	0.245	0.012	1.65	0.11	S
89568						1.500	0.510	G	2.81	0.91	Q	8.9386	0.3106	1.002	56		8.20	11.67	148.50	P 1 B			1 V							G P
89569	11.408	0.068	10.041	0.033		1.158	0.059	T	1.12	0.05	L	10.1762	0.0024	0.028	110		10.13	10.21					1 X							G
89570	8.737	0.011	7.059	0.006		1.402	0.010	T	1.38	0.01	L	7.0448	0.0012	0.012	115		7.02	7.06					1							S
89571	8.883	0.014	8.396	0.013		0.448	0.015	G	0.52	0.02	H	8.4581	0.0014	0.013	78		8.43	8.48					1							S
89572	8.393	0.009	8.145	0.010		0.228	0.015	G	0.25	0.02	H	8.1957	0.0011	0.012	121		8.18	8.22		C			1							S
89573	10.125	0.048	9.176	0.038		0.836	0.045	T	0.85	0.03	L	9.1999	0.0030	0.018	69		9.17	9.24		C			1							
89574	9.717	0.018	8.189	0.010		1.284	0.016	T	1.24	0.02	L	8.1919	0.0011	0.014	138		8.17	8.22					1							
89575	9.067	0.014	8.760	0.015		0.310	0.015	G	0.36	0.02	H	8.8151	0.0017	0.016	94		8.78	8.84		C			1							
89576	10.249	0.023	9.067	0.014		1.013	0.021	T	0.99	0.02	L	9.1272	0.0020	0.021	157		9.09	9.17					1							
89577	8.959	0.011	8.397	0.010		0.527	0.024	G	0.60	0.03	H	8.4520	0.0017	0.019	158		8.42	8.48		U			1							
89578						0.950	0.020	G	0.94	0.01	I	11.3190	0.0060	0.046	99		11.25	11.41					1							G
89579	11.543	0.135	10.886	0.117		0.610	0.151	T	0.68	0.13	L	11.1429	0.0067	0.063	61		11.07	11.63		P 1 A			1							G P
89580	10.655	0.045	9.903	0.037		0.687	0.046	T	0.74	0.04	L	9.9781	0.0028	0.022	96		9.93	10.01					1							
89581	10.701	0.041	9.591	0.026		0.957	0.038	T	0.94	0.03	L	9.6423	0.0025	0.021	104		9.61	9.68		C			1 G							
89582	9.978	0.021	8.127	0.009		1.570	0.015	G	1.50	0.07	L	8.0841	0.0015	0.013	110		8.06	8.10		C			1							
89583	9.775	0.024	8.981	0.020		0.705	0.006	G	0.75	0.01	H	9.0365	0.0023	0.017	74		9.01	9.08					1							
89584	8.389	0.014	8.180	0.016		0.200	0.020	T	0.22	0.02	L	8.2019	0.0013	0.009	72		8.18	8.22					1							
89585	10.367	0.027	8.528	0.011		1.530	0.023	T	1.57	0.05	L	8.4974	0.0013	0.014	134		8.47	8.52		C			1							
89586	10.144	0.027	8.903	0.016		1.059	0.025	T	1.03	0.02	L	8.9322	0.0016	0.013	103		8.91	8.95		C			1							
89587	7.116	0.006	6.103	0.004		0.890	0.000	G	0.99	0.07	F	6.1557	0.0009	0.007	88		6.14	6.17					1							S
89588	8.742	0.012	7.414	0.008		1.127	0.011	T	1.09	0.01	L	7.4625	0.0007	0.008	105		7.45	7.49					1							S
89589	9.050	0.014	8.394	0.013		0.632	0.015	G	0.70	0.01	H	8.4322	0.0015	0.013	89		8.41	8.46		D			1							
89590	10.539	0.034	9.210	0.019		1.128	0.030	T	1.09	0.03	L	9.2341	0.0016	0.018	114		9.19	9.27					1							
89591	10.385	0.042	9.696	0.037		0.624	0.042	T	0.69	0.04	L	9.7590	0.0022	0.023	76		9.73	9.80					1							
89592			7.389	0.009		1.246	0.003	G	1.17	0.06	F	6.8246	0.0008	0.006	70		6.81	6.84		C			1							S
89593	9.292	0.019	8.859	0.020		0.423	0.022	T	0.49	0.02	L	8.9270	0.0020	0.015	74		8.90	8.96		C			1							
89594	6.689	0.004	6.772	0.005		−0.071	0.006	T	−0.05	0.01	L	6.7686	0.0007	0.007	112		6.76	6.78		C			1							S
89595	8.068	0.007	7.319	0.006	*	0.760	0.001	G	0.80	0.00	H *	7.3548	0.0009	0.009	131	*	7.34	7.37		D	18170+1204	H 1	2 C S	A	AB	159	0.156	0.004	0.53	0.19	S
89596	9.454	0.025	7.981	0.014		1.150	0.020	G	1.32	0.02	A	7.8913	0.0525	0.370	71		7.58	8.44	21.86	P 1 A			1 V							
89597	6.003	0.003	6.043	0.004		−0.046	0.003	G	−0.02	0.00	H	6.0502	0.0008	0.007	88		6.04	6.06		C			1							S
89598	10.561	0.048	8.842	0.021		1.435	0.041	T	1.43	0.07	L	8.7652	0.0028	0.020	66		8.74	8.80					1							
89599	9.303	0.016	8.514	0.013	*	0.716	0.016	T	0.77	0.01	L *	8.5348	0.0017	0.014	101	*	8.51	8.56			18171−4336	H 1	2 C S	A	AB	190	0.130	0.020	1.07	0.58	
89600	9.909	0.019	8.808	0.013		0.950	0.018	T	0.94	0.01	L	8.8482	0.0021	0.017	112		8.82	8.89		C			1							

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg		Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)										Soln F1 %	F2
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
89601	18 17 04.85	+01 00 20.9	6.62	2 H	274.270 195 35	+01.005 800 88		15.98	−9.97	−28.04	0.64	0.49	0.80	0.89	0.61	+ 2	−17	−25	+ 4	−16	+37	−11	−22	− 5	−14	0	0.62
89602	18 17 06.37	+33 32 07.2	7.03	H	274.276 544 09	+33.535 344 49		4.57	−22.53	35.85	0.47	0.50	0.63	0.51	0.57	+ 3	− 3	+ 9	+ 6	+ 2	−22	+ 6	− 6	+ 6	+11	0	−0.92
*89603 H	18 17 06.98	+40 15 21.0	8.33	H	274.279 088 57	+40.255 845 53	A	4.40	1.99	19.98	1.18	1.25	1.29	1.04	1.43	− 4	+16	+ 6	+15	+ 0	− 8	+ 2	+ 2	+ 6	− 5	1	0.41
*89604	18 17 06.95	+40 56 11.7	6.12	G	274.278 951 33	+40.936 572 24		9.36	−174.25	63.60	0.48	0.48	0.58	0.55	0.55	− 2	−19	−15	+13	+ 5	−22	+ 1	−11	+14	+ 3	0	0.67
89605	18 17 07.54	−56 01 24.0	5.36	2 H	274.281 406 09	−56.023 319 93		4.39	− 5.36	−12.99	0.63	0.46	0.76	0.66	0.48	−14	−34	− 9	+19	−36	+13	−35	+15	+12	−11	0	−0.51
89606	18 17 09.66	−07 13 06.2	8.61	H	274.290 256 10	−07.218 382 89		4.84	0.60	−22.28	1.08	0.66	1.33	1.47	0.82	+ 1	−32	− 8	+ 4	−13	+34	− 8	−33	+ 3	+ 6	0	3.35
89607	18 17 09.67	−22 10 11.7	8.18	H	274.290 277 46	−22.169 905 03		2.59	14.71	− 3.22	1.20	0.70	1.40	1.47	0.86	+21	−36	−30	+17	+18	− 9	+ 3	−37	+33	+11	0	−0.11
89608	18 17 10.55	+01 53 05.0	10.34	G	274.293 941 33	+01.884 710 33		3.32	− 3.67	−17.09	1.51	1.06	1.65	1.51	1.20	− 4	−29	−11	+ 0	−11	+ 4	−16	−22	+ 9	−21	0	1.60
89609	18 17 11.63	−17 22 25.9	5.81	H	274.298 455 04	−17.373 851 88		3.12	− 1.78	−14.18	0.82	0.49	0.86	0.98	0.57	−10	−33	−14	+23	+ 2	−20	−14	−30	+18	−36	0	0.02
89610	18 17 12.93	+19 02 18.2	8.98	H	274.303 860 53	+19.038 380 14		2.00	− 1.37	− 7.34	0.84	0.78	1.13	0.87	0.89	− 4	+ 4	+ 3	+14	+47	− 2	+49	+ 5	+15	−18	0	−1.00
89611	18 17 14.25	+02 57 12.8	8.88	H	274.309 385 90	+02.953 560 77		0.69	− 0.66	−11.09	1.09	0.82	1.18	1.09	0.88	+26	−16	−16	−17	−10	+13	− 9	−26	+ 1	+19	0	−1.39
89612	18 17 14.37	+05 45 13.0	7.34	H	274.309 889 92	+05.753 622 60		7.05	− 7.43	−15.37	0.77	0.59	0.89	0.82	0.68	+ 3	−27	−30	−23	+ 5	+16	+ 7	−23	+17	+16	2	2.45
89613	18 17 15.03	+25 00 58.5	10.13	H	274.312 632 51	+25.016 262 44		7.53	− 2.34	− 4.55	0.83	1.30	1.69	1.01	1.35	+18	−17	+13	+29	+19	− 6	+14	+10	+23	+22	0	0.56
89614	18 17 15.07	−26 34 30.9	9.49	H	274.312 807 83	−26.575 253 47		12.59	−28.02	−127.77	1.44	0.98	1.58	1.77	1.13	− 2	−43	−25	+ 6	+42	−25	+16	−47	+22	−37	0	1.37
89615	18 17 15.30	−76 35 01.2	7.15	H	274.313 755 85	−76.583 655 36		4.18	14.75	−66.85	0.46	0.54	0.69	0.57	0.58	− 9	−26	−12	+14	−12	+11	− 9	− 7	−21	−35	1	1.08
89616	18 17 16.67	−42 55 08.1	9.89	G	274.319 443 01	−42.918 927 27		6.34	15.79	− 2.61	1.57	1.10	1.82	2.34	1.50	−15	−29	+12	−36	−10	− 5	− 6	−61	+10	− 1	0	0.34
89617	18 17 17.74	−38 10 39.7	6.69	H	274.323 923 45	−38.177 699 24		2.25	0.17	− 3.74	0.78	0.53	0.82	1.01	0.58	+ 2	−25	−19	+25	+ 7	−16	− 9	−21	+ 7	−33	0	0.08
89618	18 17 19.18	−51 29 52.5	8.93	H	274.329 896 26	−51.497 915 19		2.15	2.14	− 2.33	1.11	0.86	1.29	1.43	0.99	+ 2	−13	+ 5	+17	−45	− 6	−33	−33	+ 2	+24	0	0.70
89619	18 17 22.56	−07 17 11.0	8.37	H	274.344 001 85	−07.286 376 81		3.17	15.83	1.80	0.97	0.59	1.04	1.01	0.66	+ 3	−29	−10	+ 4	− 2	+ 7	− 4	−30	+ 7	− 2	2	1.54
*89620	18 17 23.66	−28 17 19.0	6.36	H	274.348 603 42	−28.288 606 55		33.72	132.39	−151.56	0.81	0.60	0.96	1.16	0.73	−11	−23	−33	− 2	+38	−36	+10	−53	+35	−51	2	1.07
*89621 H	18 17 23.63	−49 29 26.9	11.28	G	274.348 445 12	−49.490 802 41	A	13.28	−52.57	−216.19	5.75	4.08	5.37	5.20	3.00	+12	−12	+ 1	+20	−34	−14	−34	−20	− 4	+ 2	5	−0.41
89622	18 17 24.08	−28 39 07.3	6.18	G	274.350 330 79	−28.652 029 85		8.21	10.55	−14.41	0.92	0.67	1.05	1.20	0.77	−14	−30	−36	− 5	+40	−26	+11	−57	+31	−55	0	−0.44
89623 H	18 17 24.16	−09 45 30.5	6.29	G	274.350 659 94	−09.758 465 09	A	7.58	4.82	−46.41	0.93	0.68	0.91	0.87	0.62	+34	−13	−14	−20	−13	−23	−21	−50	+22	+23	1	0.26
89624	18 17 24.87	−01 13 12.7	9.06	1 H	274.353 635 16	−01.220 195 05		5.98	4.40	−11.64	1.03	0.77	1.23	1.18	0.91	+14	−37	−22	− 7	−15	+26	−12	−42	+21	+25	0	−0.54
89625 H	18 17 25.51	−27 29 51.4	8.67	H	274.356 303 17	−27.497 614 54	*	2.66	4.42	−14.09	1.40	2.56	2.02	2.69	1.63	−27	− 8	−22	−55	+35	−31	+32	−61	+26	−45	1	−0.10
89626	18 17 26.01	−14 50 56.4	7.98	H	274.358 384 40	−14.848 987 24		6.25	− 8.28	−12.15	0.97	0.55	1.07	0.85	0.59	+16	−52	−15	+ 3	+ 2	−11	−18	−41	+13	−29	0	0.83
89627	18 17 27.51	−05 30 44.3	9.02	H	274.364 613 68	−05.512 310 38		4.77	1.15	−16.64	1.15	0.79	1.26	1.16	0.84	−15	−21	− 6	− 6	+ 8	+12	+16	−32	− 1	+ 9	7	0.92
*89628	18 17 28.59	−30 00 04.0	9.28	H	274.369 143 06	−30.001 124 53		1.59	− 3.50	− 3.56	1.27	0.81	1.41	1.72	0.99	+21	−21	−28	+26	+ 7	+ 6	+ 5	−34	+27	+23	0	−0.71
*89629	18 17 28.55	−31 28 10.8	9.04	H	274.368 969 98	−31.469 671 84		7.80	9.89	8.30	1.41	0.82	1.47	1.69	1.02	+27	−41	−19	+27	+20	+ 2	+ 7	−23	+24	+21	3	−1.96
*89630	18 17 28.56	−18 27 48.4	6.52	1 H	274.368 985 77	−18.463 447 03		0.49	0.34	−1.00	0.89	0.58	1.00	1.13	0.70	+ 0	−40	−26	+12	+ 6	−27	−17	−51	+27	−30	0	0.88
89631	18 17 29.48	+55 27 23.3	8.17	H	274.372 841 33	+55.456 460 01		3.80	1.81	0.64	0.64	0.45	0.62	0.69	0.61	− 5	+10	−13	+18	+13	−16	+12	− 3	− 2	− 9	0	−0.42
89632	18 17 29.65	−38 26 51.8	9.68	H	274.373 525 62	−38.447 720 22		17.73	13.90	4.99	1.52	0.98	1.58	1.83	1.06	− 7	−21	− 6	+ 9	+16	+ 4	+11	−26	− 7	−23	5	−0.48
89633	18 17 30.74	+26 05 40.6	9.15	1 H	274.378 082 81	+26.094 621 50		3.02	− 4.68	− 4.52	0.70	1.01	1.27	0.82	1.27	+ 6	− 5	−13	−13	+ 8	− 1	+10	−29	+20	+18	0	−1.25
89634	18 17 31.12	−14 27 08.9	8.91	G	274.379 677 07	−14.452 474 55		6.00	5.19	3.05	1.24	0.73	1.36	1.35	0.85	−10	−46	−21	+ 0	+27	−18	+ 5	−49	+18	−45	0	−0.34
89635	18 17 33.31	−43 29 28.8	8.32	H	274.388 773 98	−43.491 327 22		5.32	− 3.48	−18.86	0.97	0.64	1.17	1.32	0.82	−25	−11	− 2	+ 8	− 2	− 4	− 5	−35	+16	−30	0	0.78
89636	18 17 34.65	+08 41 35.8	8.44	H	274.394 365 82	+08.693 284 42		3.86	1.61	− 8.82	0.97	0.83	1.24	1.28	1.13	+44	−24	−14	−45	−28	+11	−28	−41	+ 8	+39	0	−2.10
89637	18 17 36.25	−34 06 26.0	6.03	2 H	274.401 037 99	−34.107 235 17		3.70	− 5.30	− 9.31	0.78	0.51	0.86	0.93	0.53	− 8	−25	−10	−15	+10	−18	+ 7	−49	− 5	−17	0	1.54
89638	18 17 36.46	−44 33 12.4	9.09	H	274.401 912 85	−44.553 451 00		7.45	− 6.90	−17.07	1.14	0.80	1.31	1.48	0.94	− 8	−26	− 6	− 3	+16	−12	+ 6	−33	+15	−26	0	0.50
89639	18 17 36.65	+07 09 08.7	8.32	H	274.402 700 53	+07.152 408 10		6.63	−18.75	− 9.95	0.99	0.80	1.21	1.03	0.91	− 2	−32	−28	−14	+12	+28	+26	−10	− 6	− 3	0	1.76
89640	18 17 37.56	+08 48 43.1	9.31	H	274.406 509 64	+08.811 985 28		1.96	0.73	− 0.90	1.05	0.91	1.53	1.32	1.23	+25	−30	−14	−28	+ 5	+27	+ 0	− 7	+27	+30	0	−2.20
89641	18 17 37.71	−15 25 50.6	6.72	2 H	274.407 129 62	−15.430 709 64		1.63	0.78	− 0.10	0.83	0.48	0.89	0.74	0.50	+16	−47	− 2	− 2	−12	−12	−23	−47	+ 0	−18	0	−2.58
89642	18 17 37.73	−36 45 40.6	3.10	1 H	274.407 204 90	−36.761 281 03		21.87	−129.27	−166.61	0.82	0.58	0.92	1.05	0.60	+11	−19	+ 0	− 3	−16	−32	−22	−40	− 7	−20	3	1.36
89643	18 17 38.75	+53 44 42.0	8.63	G	274.411 476 32	+53.744 995 48		2.60	1.90	16.73	0.68	0.51	0.68	0.67	0.64	− 5	− 5	− 8	+ 1	+21	− 5	+27	−11	+ 6	+ 1	1	0.24
89644	18 17 38.96	+20 26 34.7	7.98	1 H	274.412 342 21	+20.442 969 09		1.79	−10.72	− 1.31	0.62	0.64	0.96	0.63	0.66	+ 9	−17	+ 9	+51	+26	− 1	+25	+34	− 1	+ 4	0	−0.79
*89645 H	18 17 39.36	+34 55 06.1	9.46	2 H	274.414 010 01	+34.918 357 18	A	4.48	2.08	13.33	1.93	2.16	2.34	2.03	2.46	+15	− 9	+ 7	+21	− 4	−18	+ 2	+35	−17	− 1	3	5.14
*89646	18 17 39.18	−09 22 04.2	9.61	H	274.413 231 56	−09.367 829 93		5.69	10.06	0.99	1.52	0.92	1.62	1.53	1.00	+ 8	−19	−13	−15	+ 4	− 8	+ 2	−44	+ 8	+ 3	0	1.67
89647 H	18 17 39.98	−19 40 19.8	7.55	G	274.416 578 44	−19.672 178 72	A	2.32	2.03	0.96	2.88	1.84	2.09	2.42	1.55	+46	− 1	−18	+ 8	+ 3	−19	− 9	−22	+32	−35	2	−0.67
89648	18 17 40.19	−39 32 32.2	9.33	H	274.417 471 60	−39.542 277 62		2.48	−0.26	−0.03	1.44	1.00	1.68	2.07	1.26	+ 5	−13	−14	+23	+39	−15	+19	−21	+34	−24	5	−0.17
89649	18 17 42.83	−01 27 51.7	7.74	G	274.428 461 88	−01.464 357 03		4.81	5.82	−13.70	0.82	0.54	0.99	0.96	0.63	− 2	−31	−25	+10	−12	+28	− 8	−35	+19	+ 2	0	−0.25
89650	18 17 44.03	−61 42 30.3	8.93	H	274.433 475 16	−61.708 430 04		13.58	88.67	−144.82	0.96	0.83	1.16	1.21	0.90	+ 6	− 9	+ 5	− 4	−13	+ 7	−11	−18	+ 0	+11	0	−0.20
89651	18 17 45.27	+14 34 53.8	9.10	H	274.438 637 16	+14.581 623 26		2.21	−14.73	−21.56	0.80	0.76	1.28	1.18	1.13	− 3	−24	−25	− 5	+14	−16	+12	− 4	− 4	−23	2	0.66
89652	18 17 46.70	−58 11 06.8	8.76	H	274.444 590 91	−58.185 225 07		3.06	7.56	−30.43	1.03	0.80	1.29	1.46	0.90	+ 2	−11	−16	− 1	−10	−28	−14	− 9	+27	−14	0	−0.79
89653	18 17 47.05	−12 15 49.3	9.15	G	274.446 022 51	−12.263 700 90		2.32	− 7.85	−14.27	1.50	1.00	1.44	1.97	1.24	−35	− 6	− 6	−36	+48	+ 0	+43	−57	+21	−39	7	1.01
89654	18 17 48.40	+40 18 12.7	7.31	H	274.451 656 37	+40.303 517 25		5.09	− 2.26	7.65	0.51	0.52	0.61	0.52	0.58	+ 2	−16	−10	+17	+ 8	−15	+ 8	+ 1	+ 4	+ 5	0	0.38
89655 H	18 17 49.53	+43 50 32.1	9.03	H	274.456 380 32	+43.842 246 59	A	7.94	−20.19	−10.32	2.44	1.47	1.24	1.47	1.20	+10	+ 1	− 7	+ 0	+ 2	− 5	+ 2	− 4	+ 8	+20	4	−0.17
89656	18 17 49.59	+26 40 15.8	9.59	G	274.456 625 90	+26.671 053 67		31.65	327.53	103.68	0.93	1.14	1.47	1.36	1.50	+14	− 7	+ 5	+23	+15	+ 8	+14	− 3	+22	+26	1	1.27
89657	18 17 50.47	−59 43 22.7	9.21	H	274.460 272 31	−59.722 982 76		2.78	− 2.58	− 6.81	1.14	0.92	1.38	1.28	0.92	+ 0	−29	−18	+18	−29	− 3	−29	− 4	+ 5	−15	0	0.04
89658	18 17 50.86	−56 28 40.7	7.41	H	274.461 911 47	−56.477 974 46		4.56	− 3.01	17.56	0.75	0.55	0.90	0.87	0.63	− 6	−25	+ 0	+14	−34	+10	−32	+ 1	+12	+ 6	0	−1.35
*89659	18 17 51.13	−18 47 54.6	6.74	H	274.463 054 84	−18.798 498 27		4.30	3.91	− 0.01	0.83	0.55	0.87	1.10	0.68	−11	−20	− 6	+17	+ 6	−19	− 5	−40	+15	−28	0	1.07
*89660	18 17 51.05	−33 23 46.1	7.01	H	274.462 723 98	−33.396 149 39		3.11	2.41	− 1.36	0.71	0.46	0.77	0.81	0.48	+ 0	−25	−12	+ 2	+11	− 5	+ 6	−34	− 3	−18	0	1.28
89661	18 17 51.49	−32 13 09.7	8.48	H	274.464 542 69	−32.219 348 94		1.78	1.82	− 9.89	1.12	0.76	1.26	1.46	0.84	− 6	−22	−21	+ 4	+30	−18	+15	−48	+21	−23	0	0.34
89662	18 17 51.62	−27 21 17.0	7.21	2 H	274.465 084 89	−27.354 725 17		1.50	− 1.52	− 2.94	1.08	0.74	1.13	1.49	0.93	−26	−39	−18	−26	+46	−21	+24	−64	+19	−62	0	1.43
89663	18 17 51.64	−67 21 25.3	7.72	H	274.465 150 44	−67.357 036 23		13.97	16.40	−40.70	0.57	0.58	0.86	0.80	0.70	+14	−18	−15	−22	−14	+23	−10	− 8	+14	+19	0	0.03
89664	18 17 52.02	+70 00 40.8	7.78	G	274.466 743 92	+70.011 342 57		4.32	6.24	−11.18	0.64	0.56	0.65	0.64	0.68	+ 8	−26	− 2	−19	+ 0	− 9	+ 2	+12	−25	+23	2	1.56
89665	18 17 52.09	+11 52 40.0	7.05	H	274.467 040 92	+11.877 771 18		1.56	0.16	− 6.83	0.63	0.54	0.83	0.69	0.67	+16	−35	−25	−34	+ 7	+ 9	+ 3	−48	+22	+14	0	0.64
89666	18 17 52.09	−53 29 17.7	8.64	H	274.467 048 07	−53.488 249 31		5.83	0.51	−29.30	0.93	0.72	1.20	1.13	0.83	−15	−19	− 7	+30	−14	+ 8	−13	+12	+21	+ 3	0	2.27
89667	18 17 53.06	+32 02 00.0	9.56	H	274.471 082 09	+32.033 332 58		3.81	− 9.25	−27.30	1.68	1.83	2.33	1.82	2.40	+19	−29	− 9	−10	− 3	− 2	−10	− 9	+27	+17	0	
89668	18 17 53.61	+37 58 48.0	8.65	G	274.473 389 42	+37.980 001 23		11.03	−10.82	−42.64	0.66	0.62	0.79	0.79	0.70	+ 8	−26	− 3	+23	+ 6	+ 5	+ 7	+10	− 4	+11	1	0.60
89669	18 17 54.84	+17 58 52.4	7.40	2 H	274.478 481 25	+17.981 226 84		3.82	13.59	35.49	0.63	0.56	0.87	0.75	0.63	−19	− 8	− 9	+ 7	+48	−24	+41	−17	+11	−42	0	0.11
89670	18 17 55.74	+57 53 27.2	7.64	H	274.482 232 39	+57.890 882 42		4.26	−12.23	−15.02	0.54	0.49	0.55	0.57	0.58	+ 2	− 5	+ 2	+ 9	+ 4	+10	+ 4	+11	+ 6	+ 5	0	0.35
89671	18 17 57.40	+21 59 47.1	7.70	H	274.489 159 32	+21.996 411 88		3.46	− 7.40	1.20	0.54	0.60	0.88	0.59	0.67	+18	+ 1	+ 1	+45	+24	+13	+24	+29	+21	+22	0	−0.26
89672	18 17 58.26	−12 52 12.1	7.36	H	274.492 764 40	−12.870 031 42		5.35	− 7.15	− 6.06	0.99	0.65	1.00	1.19	0.78	−36	−10	−27	−36	+45	−26	+31	−59	+28	−66	0	0.38
89673	18 18 00.21	−26 09 52.5	9.41	H	274.500 892 19	−26.164 588 40		10.66	7.56	−29.90	1.30	0.77	1.41	1.35	0.85	+13	−50	−15	+ 9	+14	−15	+ 3	−43	+ 6	− 5	0	0.19
89674	18 18 00.96	−68 13 45.2	6.32	G	274.503 986 42	−68.229 216 19		4.68	0.44	−16.97	0.47	0.47	0.68	0.53	0.47	+15	−22	−21	−15	−11	+ 5	−11	−24	+ 7	+ 7	1	3.37
89675	18 18 01.31	−02 01 59.8	7.87	H	274.505 443 76	−02.033 274 08		4.78	− 2.94	8.50	0.82	0.55	0.94	0.95	0.66	+ 7	−32	−13	− 6	− 7	+25	− 4	−33	+13	+16	0	0.52
89676	18 18 02.50	+12 11 55.0	7.90	H	274.510 404 23	+12.198 605 63		5.16	19.50	5.67	0.84	0.66	1.06	0.83	0.81	+35	−53	−35	−31	+ 0	+11	− 8	−52	+26	+23	0	1.27
89677	18 18 02.94	+13 46 37.4	6.29	H	274.512 267 75	+13.777 055 48		2.93	− 2.83	− 7.22	0.60	0.51	0.94	0.87	0.67	−19	−22	− 8	− 3	+36	−29	+30	−26	+14	−17	6	−0.18
89678	18 18 03.19	−27 02 33.5	4.66	H	274.513 283 12	−27.042 634 52		4.66	4.48	− 2.76	0.97	0.70	0.97	1.36	0.88	−39	−29	−27	−33	+56	−22	+36	−68	+20	−70	0	1.28
89679	18 18 04.85	−37 06 28.3	8.76	H	274.520 210 77	−37.107 862 14		1.30	0.64	− 4.25	1.24	0.86	1.41	1.60	0.90	+21	−33	−37	+21	+ 9	−25	−19	−32	+13	−35	0	0.52
89680 H	18 18 05.51	−01 19 48.5	7.47	G	274.522 960 03	−01.330 152 11	*	4.72	1.86	1.56	0.75	0.49	0.89	0.80	0.56	+ 5	−35	−18	+ 3	− 8	+28	− 5	−38	+23	+19	3	1.16
89681	18 18 05.90	−12 14 33.3	7.38	2 H	274.524 564 93	−12.242 578 47		1.30	−0.40	−2.79	1.19	0.79	1.07	1.47	0.98	−51	−11	−21	−51	+60	−15	+51	−68	+20	−73	0	1.46
89682 H	18 18 07.40	+43 34 10.9	9.03	H	274.530 835 07	+43.569 682 34	A	3.61	1.58	− 2.98	1.54	1.43	1.55	1.78	1.57	+14	− 1	+ 0	+ 8	+ 7	− 7	+ 2	− 2	+12	+16	0	0.59
*89683	18 18 07.72	+23 17 49.0	6.45	1 H	274.532 175 27	+23.296 935 73		1.95	11.88	−11.96	0.34	0.51	0.74	0.44	0.56	+ 6	−17	−11	+13	+19	− 5	+15	+23	+ 3	+ 5	0	0.88
*89684	18 18 07.72	+18 07 54.1	6.24	H	274.532 147 41	+18.131 684 29		4.37	− 3.17	2.61	0.53	0.48	0.72	0.57	0.51	−17	− 4	−10	+ 6	+49	−25	+46	− 7	+17	−32	0	−0.07
89685	18 18 08.23	−58 54 32.3	8.82	H	274.534 302 62	−58.908 967 88		4.23	5.40	−12.91	1.05	0.89	1.18	1.27	0.90	− 7	+ 5	− 6	+15	−45	+ 3	−40	+11	−13	− 7	0	1.71
89686	18 18 08.48	−08 38 01.2	7.72	H	274.535 332 17	−08.633 655 90		6.44	4.00	−1.04	1.03	0.57	1.06	0.99	0.63	− 1	−41	− 5	+14	−14	+ 5	−15	−19	+ 4	− 5	2	1.10
89687	18 18 10.19	−21 14 55.7	9.85	G	274.542 460 46	−21.248 811 70		−2.61	1.60	−1.26	1.96	1.35	2.55	2.28	1.56	+ 8	−36	−53	−12	+45	−33	+ 8	−69	+52	−29	0	2.20
89688	18 18 12.09	+11 23 46.5	7.17	H	274.550 364 79	+11.396 262 17		0.90	4.00	2.80	0.70	0.57	0.97	0.81	0.74	+12	−30	−30	−25	+26	− 1	+16	−44	+34	+ 5	1	1.03
89689 H	18 18 12.10	+45 09 24.1	7.85	H	274.550 398 28	+45.156 690 21	*	3.31	4.22	13.42	0.58	0.49	0.62	0.65	0.62	+ 5	−13	+ 0	+ 3	+ 0	+ 4	+ 1	+ 3	− 5	+ 8	0	0.65
89690	18 18 12.67	−39 01 56.9	10.07	H	274.552 789 59	−39.032 480 43		5.45	4.25	−17.34	1.53	1.01	1.70	1.89	1.14	+20	−29	−28	+20	+ 5	−10	−12	−27	+25	− 9	0	−1.58
89691	18 18 15.19	−32 38 25.6	11.13	2 H	274.563 272 10	−32.640 445 80		0.34	0.86	−1.66	4.96	3.16	5.35	5.55	3.29	−10	−33	−12	− 8	+19	− 3	+16	−49	+ 1	−15	0	
89692	18 18 15.53	−38 13 47.0	7.89	H	274.564 688 82	−38.229 721 50		3.13	−12.19	− 4.75	0.99	0.64	1.01	1.20	0.67	− 4	−22	−11	+26	+ 5	−14	− 7	−23	− 1	−31	0	0.53
89693	18 18 17.73	+43 11 08.6	9.78	H	274.573 880 52	+43.185 710 68		19.62	35.76	− 3.63	0.90	0.90	1.07	0.94	1.05	− 1	+14	−25	+ 0	+ 2	− 1	+ 4	−15	+18	+ 3	0	0.54
89694	18 18 17.94	+46 24 25.6	7.00	H	274.574 767 80	+46.407 121 92		8.73	40.93	−25.99	0.51	0.41	0.56	0.58	0.54	+ 3	−17	−15	− 2	+ 3	−13	+ 5	+ 6	−14	− 6	1	1.67
89695	18 18 18.69	−61 12 30.7	7.20	1 H	274.577 869 98	−61.208 524 21		4.19	−12.01	−34.54	0.72	0.58	0.79	0.98	0.68	−18	−14	−18	+18	−25	+ 5	−23	+13	+ 9	−23	2	−2.10
89696	18 18 19.45	+25 19 48.5	8.59	H	274.581 044 79	+25.330 137 82		0.78	17.16	6.04	0.59	0.76	1.06	0.73	0.81	+11	−12	− 7	+13	+18	−10	+14	− 6	+20	+17	0	1.73
*89697	18 18 20.49	−59 53 19.7	9.60	H	274.585 389 64	−59.888 816 95	A	4.30	5.92	−47.76	2.95	2.36	2.61	3.28	2.26	−11	−21	−15	+22	−29	−12	−30	+ 6	+ 3	−15	2	−0.26
*89698	18 18 20.38	−54 19 56.7	6.91	1 H	274.584 922 78	−54.332 410 69		1.45	3.63	−10.56	0.86	0.57	1.04	0.88	0.62	+ 9	−40	−19	+ 6	−25	+11	−33	− 9	+36	+ 6	0

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data										Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
89601	6.989	0.008	6.644	0.007		0.312	0.015	G	0.36	0.02	H	6.7023	0.0041	0.034	90		6.64	6.75	1.31	P 1 A			1 G							S
89602	8.757	0.009	7.170	0.005		1.330	0.008	T	1.29	0.01	L	7.1868	0.0009	0.010	137		7.17	7.20		C			1							S
89603	9.458	0.024	8.385	0.015	*	0.929	0.021	T	0.92	0.01	L *	8.4899	0.0013	0.017	114	*	8.47	8.53		D	18171+4015	I 1	2 C A	AB	69	5.171	0.005	1.10	0.02	
89604	7.364	0.005	6.239	0.004		0.977	0.002	G	0.96	0.00	H	6.2871	0.0006	0.006	120		6.28	6.30					1							S
89605	5.270	0.004	5.356	0.004		−0.050	0.018	G	−0.01	0.03	C	5.3545	0.0032	0.028	88		5.31	5.38		U 2 C			1							S
89606	9.168	0.014	8.661	0.014		0.476	0.018	T	0.55	0.02	L	8.7150	0.0026	0.017	80		8.68	8.74		C			1 G							
89607	10.295	0.047	8.367	0.018		1.600	0.040	T	1.62	0.04	L	8.2895	0.0018	0.015	74		8.27	8.31					1							
89608	11.100	0.065	10.496	0.061		0.510	0.020	G	0.58	0.02	H	10.4670	0.0046	0.030	76		10.41	10.51		C			1							G
89609	7.828	0.008	5.979	0.004		1.569	0.001	G	1.54	0.00	J	5.9366	0.0011	0.008	71		5.92	5.95					1							S
89610	9.046	0.011	8.977	0.014		0.069	0.017	T	0.08	0.02	L	9.0047	0.0019	0.017	139		8.98	9.04		C			1							
89611	9.045	0.018	8.902	0.022		0.138	0.027	T	0.15	0.03	L	8.9326	0.0025	0.015	64		8.90	8.97		C			1							
89612	7.359	0.007	7.348	0.009		0.015	0.011	T	0.03	0.01	L	7.3528	0.0011	0.008	64		7.33	7.37					1							S
89613	10.328	0.024	10.137	0.030		0.183	0.036	T	0.20	0.04	L	10.1957	0.0028	0.041	171		10.12	10.26					1							G
89614	10.311	0.064	9.710	0.068		0.560	0.069	T	0.63	0.06	L	9.6092	0.0024	0.018	73		9.57	9.64		C			1 S							G
89615	8.827	0.009	7.285	0.005		1.295	0.008	T	1.25	0.01	L	7.3089	0.0010	0.011	158		7.29	7.33					1							S
89616	10.607	0.039	9.960	0.035		0.636	0.020	G	0.70	0.02	H	10.0478	0.0032	0.024	99		10.00	10.09		C			1							G
89617	8.156	0.013	6.813	0.007		1.139	0.012	T	1.10	0.01	L	6.8559	0.0010	0.008	66		6.84	6.87		C			1							S
89618	10.310	0.032	9.014	0.019		1.102	0.029	T	1.06	0.03	L	9.0930	0.0028	0.016	77		9.07	9.13		C			1							
89619	8.769	0.011	8.418	0.012		0.333	0.015	T	0.39	0.02	L	8.4551	0.0017	0.015	85		8.42	8.49		C	18174−0717	I 1	1							
89620	6.974	0.010	6.416	0.006		0.536	0.012	G	0.63	0.07	F	6.4771	0.0006	0.007	80		6.47	6.49		C			1							S
89621						1.360	0.015	G	1.59	0.03	I *	11.3512	0.0065	0.057	95	*	11.28	11.44		D	18174−4929	H 1	2 C A	AB	36	2.075	0.014	0.62	0.06	G
89622	6.414	0.005	6.200	0.006		0.184	0.009	G	0.20	0.01	H	6.2279	0.0009	0.006	73		6.22	6.24		C			1							S
89623	6.732	0.004	6.334	0.004	*	0.382	0.011	G	0.45	0.01	H *	6.3781	0.0008	0.007	82	*	6.36	6.39			18174−0946	H 1	2 C A	AB	9	0.648	0.012	3.49	0.06	S
89624	10.819	0.052	9.273	0.024		1.298	0.045	T	1.26	0.05	L	9.2126	0.0025	0.017	87		9.17	9.25		U			1							
89625			9.593	0.029	*	1.610	0.243	G	1.62	0.27	R *	8.7873	0.0036	0.018	66	*	8.75	8.82			18174−2730	H 1	2 C B	AB	83	0.235	0.038	1.52	0.84	
89626	8.209	0.010	7.997	0.011		0.228	0.004	G	0.25	0.01	H	8.0455	0.0013	0.012	92		8.02	8.07					1							
89627	9.447	0.017	9.046	0.018		0.437	0.020	G	0.51	0.02	H	9.1128	0.0021	0.016	80		9.08	9.15		C			1							
89628	11.214	0.114	9.474	0.043		1.451	0.096	T	1.45	0.15	L	9.4099	0.0031	0.018	79		9.38	9.45					1							
89629	9.678	0.033	9.161	0.034		0.495	0.036	T	0.57	0.04	L	9.1467	0.0021	0.015	65		9.13	9.17		C			1							
89630	6.575	0.007	6.533	0.007		0.043	0.009	T	0.06	0.01	L	6.5366	0.0016	0.012	69		6.52	6.55		M	18175−1828	I 1	1							S
89631	8.370	0.009	8.188	0.010		0.160	0.015	G	0.18	0.01	H	8.2231	0.0015	0.012	100		8.20	8.24		C			1							S
89632	10.673	0.058	9.828	0.045		0.743	0.056	T	0.78	0.05	L	9.8125	0.0021	0.016	61		9.78	9.85					1							G
89633	10.506	0.030	9.262	0.017		1.061	0.027	T	1.03	0.02	L	9.3144	0.0023	0.023	159		9.26	9.36		U			1							
89634	9.176	0.015	8.899	0.017		0.308	0.003	G	0.35	0.00	H	8.9654	0.0019	0.019	87		8.93	8.99					1							
89635	8.410	0.010	8.335	0.012		0.068	0.014	T	0.08	0.01	L	8.3446	0.0018	0.014	91		8.32	8.36		C			1							
89636	9.782	0.020	8.577	0.012		1.031	0.018	T	1.00	0.01	L	8.6017	0.0020	0.018	115		8.57	8.63					1							
89637	5.909	0.009	6.020	0.010		−0.096	0.012	T	−0.08	0.01	L	6.0055	0.0050	0.060	73		5.97	6.18	2.42	P 1 A	18176−3406	I 1	1							S
89638	9.663	0.021	9.111	0.020		0.523	0.022	T	0.60	0.02	L	9.2027	0.0028	0.016	83		9.18	9.23		C			1							
89639	9.767	0.030	8.460	0.018		1.111	0.027	T	1.07	0.03	L	8.4906	0.0022	0.018	62		8.46	8.52					1							
89640	9.510	0.017	9.347	0.021		0.156	0.025	T	0.17	0.03	L	9.3566	0.0016	0.018	99		9.32	9.39		D			1							
89641	7.202	0.006	6.781	0.006		0.398	0.008	T	0.46	0.01	L	6.8102	0.0012	0.015	90		6.79	6.85		U 2			1							S
89642	5.147	0.004	3.312	0.004		1.582	0.004	G	2.24	0.02	A	3.1512	0.0026	0.013	55		3.12	3.17		U 2	18176−3646	I 1	1 S							S
89643	9.198	0.014	8.679	0.013		0.484	0.020	G	0.56	0.02	H	8.7382	0.0015	0.013	106		8.71	8.77					1							
89644	10.189	0.028	8.189	0.010		1.657	0.024	T	1.68	0.03	L	8.0890	0.0021	0.021	147		8.05	8.12		U			1							
89645	11.758	0.091	9.993	0.030	A	1.650	0.082	G	2.67	0.08	B *	9.4483	0.0131	0.104	123	*	9.26	9.60		R 2	18177+3455	I 1	2 C A	AB	262	7.529	0.017	2.26	0.16	
89646	10.065	0.028	9.618	0.029		0.422	0.037	T	0.49	0.04	L	9.7083	0.0034	0.029	74		9.66	9.76					1							G
89647	7.727	0.008	7.620	0.011	*	0.144	0.015	G	0.16	0.01	H *	7.6029	0.0016	0.011	82	*	7.58	7.62		D	18177−1940	I 1	2 C A	AB	114	0.492	0.004	0.02	0.01	S
89648	10.642	0.049	9.379	0.027		1.071	0.045	T	1.04	0.04	L	9.4775	0.0023	0.023	69		9.44	9.53		D			1							
89649	7.940	0.009	7.726	0.010		0.193	0.015	G	0.21	0.02	H	7.7863	0.0019	0.011	99		7.77	7.81					1							S
89650	9.737	0.022	8.991	0.019		0.667	0.022	T	0.73	0.02	L	9.0660	0.0019	0.022	82		9.04	9.12					1							
89651	8.988	0.012	9.064	0.017		−0.065	0.019	T	−0.04	0.02	L	9.0874	0.0015	0.020	116		9.05	9.13		C			1							
89652	9.279	0.018	8.809	0.018		0.456	0.020	T	0.53	0.02	L	8.8585	0.0023	0.018	84		8.82	8.90		C			1							
89653	10.746	0.058	9.235	0.026		1.280	0.015	G	1.24	0.02	I	9.2521	0.0030	0.018	71		9.22	9.28					1							D
89654	7.369	0.006	7.320	0.007		0.050	0.009	T	0.06	0.01	L	7.3364	0.0009	0.009	118		7.32	7.36					1							S
89655	9.703	0.018	9.101	0.017	−	0.600	0.495	G	0.61	0.05	L *	9.1482	0.0018	0.016	114	−	9.12	9.18		D	18178+4351	I 1	3 C B							G
89656	10.908	0.041	9.710	0.023		1.009	0.005	G	1.05	0.01	I	9.7049	0.0025	0.030	150		9.64	9.76		C			1							
89657	10.743	0.047	9.321	0.024		1.201	0.041	T	1.16	0.04	L	9.3735	0.0031	0.022	81		9.34	9.41					1							
89658	7.717	0.008	7.441	0.009		0.291	0.001	G	0.33	0.00	H	7.4852	0.0018	0.012	82		7.47	7.51					1							S
89659	6.751	0.006	6.755	0.009		0.001	0.010	T	0.02	0.01	L	6.7509	0.0010	0.007	74		6.74	6.76		C	18179−1848	I 1	1							S
89660	6.907	0.006	6.987	0.006		−0.068	0.015	G	−0.05	0.01	H	6.9895	0.0010	0.009	87		6.97	7.00					1							S
89661	9.974	0.032	8.629	0.018		1.140	0.029	T	1.10	0.03	L	8.6527	0.0019	0.015	81		8.62	8.69		C			1							
89662	9.536	0.043	7.435	0.018		1.777	0.038	T	2.53	0.07	O	7.2250	0.0047	0.035	71		7.16	7.26		U 2 C			1 S							P
89663	8.204	0.010	7.772	0.007		0.428	0.015	G	0.50	0.02	H	7.8207	0.0013	0.013	145		7.80	7.86		C			1 G							S
89664	8.255	0.011	7.836	0.013		0.440	0.015	G	0.51	0.02	H	7.8829	0.0012	0.011	83		7.86	7.90		C			1							S
89665	6.942	0.004	7.041	0.005		−0.070	0.015	G	−0.05	0.01	H	7.0308	0.0009	0.010	138		7.01	7.05					1							S
89666	8.819	0.014	8.650	0.016		0.154	0.020	T	0.17	0.02	L	8.6964	0.0021	0.014	73		8.68	8.72		C			1							
89667	11.092	0.054	9.699	0.026		1.178	0.047	T	1.14	0.04	L	9.7228	0.0022	0.021	109		9.67	9.77					1 X							
89668	9.726	0.018	8.742	0.013		0.870	0.015	G	0.88	0.01	H	8.8070	0.0018	0.015	111		8.78	8.84		C			1							
89669	9.167	0.014	7.612	0.007		1.327	0.013	T	3.81	0.11	O	6.9495	0.0452	0.212	124		6.76	7.30		U 2			1 S							S
89670	8.883	0.012	7.745	0.008		0.979	0.011	T	0.96	0.01	L	7.8065	0.0013	0.011	124		7.79	7.83		C			1							S
89671	9.391	0.014	7.823	0.007		1.315	0.012	T	1.28	0.01	L	7.8513	0.0011	0.013	144		7.83	7.88		C			1							
89672	7.688	0.009	7.402	0.008		0.272	0.011	T	0.31	0.01	L	7.4344	0.0010	0.009	76		7.42	7.45					1							S
89673	10.241	0.053	9.652	0.053		0.551	0.055	T	0.62	0.05	L	9.5459	0.0027	0.015	78		9.52	9.57					1 S							G
89674	6.282	0.003	6.317	0.004		−0.026	0.020	G	0.00	0.02	H	6.3106	0.0009	0.007	136		6.30	6.32			18180−6814	I 1	1 S							S
89675	8.026	0.009	7.882	0.011		0.138	0.015	G	0.15	0.01	H	7.9216	0.0019	0.015	91		7.90	7.95					1							S
89676	7.993	0.008	7.921	0.009		0.071	0.011	T	0.08	0.01	L	7.9340	0.0010	0.012	140		7.91	7.96		C			1							S
89677	6.242	0.003	6.289	0.003		−0.040	0.004	T	−0.02	0.00	L	6.2887	0.0009	0.007	125		6.27	6.30		C			1							S
89678	6.803	0.007	4.839	0.003		1.629	0.006	T	1.62	0.02	A	4.7764	0.0009	0.006	76		4.77	4.79					1							S
89679	9.822	0.046	8.950	0.037		0.779	0.044	T	0.81	0.03	L	8.9066	0.0021	0.016	64		8.87	8.93					1							
89680	7.852	0.007	7.491	0.008	*	0.399	0.015	G	0.46	0.02	H *	7.5459	0.0011	0.009	102	*	7.53	7.56		C	18181−0120	H 1	2 C S A	AB	350	0.133	0.036	1.56	0.77	S
89681	8.225	0.015	7.510	0.016		0.657	0.018	T	0.72	0.02	L	7.5193	0.0092	0.093	72		7.47	7.71	3.32	P 1 A			1 S							S D P
89682	10.498	0.034	9.266	0.020	A	1.200	0.495	G	1.02	0.07	B *	9.2023	0.0025	0.022	110	*	9.16	9.24		R	18181+4334	I 1	2 C A	AB	340	1.530	0.015	2.14	0.08	
89683	8.723	0.007	6.672	0.003		1.698	0.006	T	1.72	0.01	L	6.5499	0.0013	0.017	240		6.52	6.58		U 2	18181+2317	I 1	1							S
89684	6.229	0.003	6.235	0.003		−0.004	0.004	T	0.02	0.00	L	6.2486	0.0008	0.008	128		6.24	6.26					1							S
89685	9.868	0.025	8.919	0.018		0.836	0.023	T	0.85	0.02	L	8.9725	0.0026	0.017	78		8.94	9.01					1							
89686	9.334	0.021	7.893	0.012		1.216	0.019	T	1.18	0.02	L	7.8822	0.0026	0.014	60		7.86	7.91					1							
89687	12.187	0.242	10.182	0.062		1.470	0.020	G	1.48	0.03	H	9.8841	0.0052	0.033	66		9.81	9.95					1							G
89688	9.320	0.014	7.348	0.006		1.635	0.012	T	1.66	0.01	L	7.2765	0.0010	0.010	121		7.26	7.30		C			1							S
89689	7.967	0.006	7.873	0.009	*	0.092	0.010	T	0.10	0.01	L *	7.8916	0.0013	0.013	135	*	7.87	7.91			18182+4509	H 1	2 C S A	AB	27	0.121	0.008	0.62	0.42	S
89690	10.857	0.062	10.101	0.054		0.690	0.065	T	0.75	0.05	L	10.2079	0.0033	0.026	68		10.17	10.24		C			1							G
89691											T	11.2724	0.0076	0.069	86		11.17	11.40		U			1 X S							G
89692	9.657	0.029	8.046	0.014		1.349	0.025	T	1.31	0.03	L	8.0426	0.0022	0.011	64		8.02	8.06					1							
89693	10.879	0.053	9.849	0.033		0.897	0.047	T	0.90	0.03	L	9.9388	0.0040	0.031	113		9.89	9.99					1							
89694	8.152	0.008	7.102	0.006		0.912	0.008	T	0.91	0.01	L	7.1561	0.0009	0.010	116		7.14	7.17					1							S
89695	8.339	0.011	7.308	0.008		0.897	0.010	T	0.90	0.01	L	7.3596	0.0020	0.014	71		7.34	7.39		M			1							S
89696	9.957	0.019	8.705	0.012		1.068	0.018	T	1.03	0.01	L	8.7527	0.0015	0.019	166		8.72	8.78					1							
89697	10.091	0.028	9.625	0.029	A	0.452	0.031	T	0.52	0.03	L	9.6991	0.0110	0.030	82	A	9.65	9.75		D	18183−5953	I 2	1 C P A							
89698	9.105	0.016	7.126	0.007		1.677	0.014	T	2.16	0.04	O	6.9838	0.0020	0.019	74		6.96	7.01		U 2			1							S
89699	11.927	0.199	11.341	0.191	B	0.547	0.244	T	0.62	0.23	L	12.4410	0.1299			B				D	18183−5953	I 2	1 C I A							
89700	6.761	0.004	6.764	0.005		0.002	0.006	T	0.02	0.01	L	6.7684	0.0008	0.008	109		6.76	6.79					1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
1 2	h m s 3	±° ′ ″ 4	mag 5 6 7		deg 8	deg 9 10	mas 11	mas/yr 12	13	mas 14	15	mas 16	mas/yr 17	18	19	20	21	22	23	24	25	26	27	28	% 29	30
89701	18 18 25.16	−44 56 58.1	9.02	G	274.604 851 42	−44.949 470 47	7.02	1.14	−18.72	0.98	0.74	1.18	1.41	0.94	+ 0	−28	−22	− 5	+10	−14	− 5	−37	+23	−34	0	−1.31
89702	18 18 26.54	+02 57 40.2	7.86	H	274.610 598 61	+02.961 162 17	4.06	7.04	−2.63	0.84	0.63	0.97	0.85	0.68	+ 5	−23	−25	−27	− 2	+22	+ 3	−29	− 1	−10	0	1.04
89703	18 18 26.57	−50 29 35.5	9.23	H	274.610 720 02	−50.493 187 86	8.30	12.91	−50.32	1.09	0.74	1.29	1.23	0.82	+21	−29	− 9	+23	−23	+ 2	−22	+ 1	+12	+24	0	0.29
89704	18 18 27.82	+27 08 07.3	9.38	H	274.615 898 04	+27.135 370 13	5.31	11.07	33.89	0.80	1.00	1.35	0.99	1.38	+12	−16	− 4	+ 0	+ 2	+14	− 1	− 8	+22	+18	2	0.23
89705	18 18 28.17	+05 08 07.0	7.49	H	274.617 359 97	+05.135 282 31	2.68	−11.08	−15.33	0.80	0.62	0.93	0.87	0.68	− 7	−12	−38	−24	+ 6	+14	+11	−31	+19	+ 9	0	0.79
89706	18 18 29.04	+24 26 20.8	7.57	H	274.621 015 46	+24.439 119 96	2.58	−15.63	−49.86	0.44	0.62	0.87	0.52	0.67	+ 8	−14	+ 0	+21	+16	− 1	+15	+19	+ 2	+11	0	−0.70
89707	18 18 30.18	−03 27 44.3	10.03	G	274.625 766 47	−03.462 306 82	1.94	0.00	−17.67	1.76	1.06	1.96	2.17	1.22	−28	−32	+ 9	+14	−10	+30	−11	−34	+14	−12	0	−1.52
89708	18 18 30.47	−34 41 10.0	6.93	H	274.626 962 38	−34.686 102 82	2.25	−3.44	−5.12	0.85	0.58	0.94	1.10	0.64	+ 0	−23	− 3	− 6	+ 1	−18	+ 4	−48	− 9	+ 6	0	0.06
89709	18 18 31.98	+81 13 21.5	10.90	2 H	274.633 263 73	+81.222 627 21	8.94	18.96	197.31	1.25	1.36	1.39	1.55	1.92	+ 1	−11	− 9	− 9	+ 5	+ 7	+ 7	−16	+ 2	+ 6	0	0.94
*89710 H	18 18 32.27	−35 03 00.4	8.47	H	274.634 457 92	−35.050 123 43	A 13.41	6.85	−51.46	1.94	1.38	2.00	2.51	1.47	+ 3	−22	−16	− 3	+10	−12	+ 0	−48	+10	− 6	1	1.14
*89711	18 18 32.26	+18 22 51.7	7.85	H	274.634 432 78	+18.381 013 98	12.19	−17.90	−84.98	0.65	0.60	0.85	0.64	0.63	−10	+ 3	− 6	+14	+48	−17	+50	+10	+15	−20	1	−0.05
89712	18 18 32.98	−06 06 28.2	9.26	H	274.637 418 57	−06.107 828 49	5.14	14.60	6.69	1.49	0.91	1.62	1.40	1.03	−18	−27	− 6	− 6	+28	+12	+33	−34	+21	+12	0	0.77
89713	18 18 33.49	−52 45 08.4	7.78	G	274.639 556 01	−52.752 345 23	3.02	8.21	−1.86	0.86	0.65	1.03	1.05	0.79	−13	+ 3	+ 2	+28	−29	+ 2	−24	− 1	+ 0	+ 6	0	0.64
89714	18 18 33.65	+19 27 02.2	8.61	H	274.640 206 82	+19.450 608 39	1.71	−0.92	−7.82	0.74	0.75	0.98	0.77	0.77	+ 5	+ 5	+13	+26	+47	+13	+46	+32	+17	+ 5	3	−0.04
89715	18 18 33.83	+58 00 29.7	7.95	H	274.640 972 12	+58.008 259 62	4.32	−6.55	−29.54	0.64	0.55	0.61	0.77	0.67	+ 3	− 7	− 3	+29	+10	− 1	+10	+12	+11	+ 7	0	0.43
89716	18 18 33.95	−30 03 15.4	9.41	H	274.641 454 87	−30.054 273 38	1.87	0.63	−13.95	1.41	0.94	1.54	1.96	1.18	+32	−24	−30	+15	−11	+12	−12	−43	+30	+32	0	−0.60
89717	18 18 34.39	−34 26 42.4	8.53	H	274.643 285 42	−34.445 119 10	10.80	−71.02	−97.49	1.08	0.78	1.20	1.45	0.83	− 3	− 1	− 3	−27	+ 2	−34	+ 2	−62	− 5	− 1	2	1.59
89718	18 18 35.30	+04 09 44.0	8.43	H	274.647 099 28	+04.162 217 56	3.78	1.40	−2.41	1.03	0.76	1.07	0.99	0.82	−18	− 1	−16	−37	+10	− 9	+ 8	−39	+ 4	− 9	0	0.86
89719	18 18 35.92	+42 33 52.7	8.61	H	274.649 655 71	+42.564 634 66	2.94	2.86	−11.32	0.59	0.58	0.70	0.70	0.74	+ 8	− 5	−25	+ 5	+ 4	−16	− 2	−12	+15	− 3	0	−1.14
89720	18 18 36.56	+17 00 10.8	7.89	G	274.652 349 54	+17.002 987 67	9.61	11.01	−22.27	0.72	0.64	1.00	0.99	0.79	− 4	−15	−18	− 5	+23	− 3	+18	−17	+19	+ 4	0	−0.46
89721	18 18 37.72	−70 43 57.4	9.19	H	274.657 184 40	−70.732 620 39	3.52	−28.51	−6.80	0.58	0.81	1.24	0.60	0.84	+ 3	−14	+ 1	+11	−14	− 5	−16	− 4	+ 7	− 5	1	0.14
89722	18 18 38.72	+23 34 08.7	8.52	H	274.661 346 20	+23.569 088 06	2.54	4.25	3.37	0.46	0.76	1.06	0.61	0.83	+11	−10	− 1	+22	+17	− 1	+14	+26	+ 5	+12	0	−0.77
89723	18 18 38.92	−34 11 04.5	9.24	H	274.662 185 64	−34.184 594 74	13.58	−16.58	−136.72	1.38	0.97	1.52	1.72	1.03	− 1	−23	+11	−17	− 1	−18	+ 5	−59	−17	+ 8	0	1.02
89724	18 18 39.20	−37 13 27.9	7.52	H	274.663 350 22	−37.224 410 27	5.73	0.89	−14.28	1.04	0.66	1.04	1.31	0.89	−21	−28	−18	− 8	+17	− 7	+15	−39	+16	−31	0	0.66
89725	18 18 39.43	+30 35 12.8	8.86	H	274.664 298 94	+30.586 896 22	2.87	−3.43	−13.32	0.67	0.79	1.00	0.74	1.11	+ 1	− 2	− 3	+13	+ 6	−16	+ 9	− 9	+ 6	+ 7	0	−0.07
89726	18 18 40.15	−42 17 18.2	6.30	H	274.667 309 83	−42.288 385 05	−0.74	3.77	−5.80	0.70	0.45	0.84	0.93	0.63	−31	−28	− 2	+ 2	− 2	+ 2	− 8	−33	+22	−32	0	−0.99
89727	18 18 40.51	−24 23 24.1	9.60	H	274.668 771 61	−24.390 024 13	−0.19	3.69	0.53	1.49	0.90	1.53	1.51	0.99	+38	−50	−24	+20	+ 3	−14	−10	−32	+10	+17	0	1.84
89728	18 18 40.72	−06 42 03.6	9.28	G	274.669 658 07	−06.701 006 58	33.57	−64.79	−11.83	1.33	0.84	1.38	1.17	0.85	−21	−39	− 5	−32	+24	+ 6	+24	−30	− 3	− 9	0	−0.44
89729	18 18 40.87	−12 06 23.3	8.51	H	274.670 279 67	−12.106 484 64	−0.60	0.99	−2.54	1.31	0.90	1.25	1.87	1.21	−41	+14	−23	−35	+48	− 8	+45	−57	+29	−52	0	−1.99
89730	18 18 40.99	+54 36 00.6	8.55	H	274.670 776 79	+54.600 174 44	3.09	3.26	−0.47	0.78	0.52	0.74	0.84	0.70	+ 1	−20	− 6	+17	+13	−13	+19	− 3	−21	+ 2	0	−0.32
89731	18 18 41.76	−25 36 17.0	6.51	H	274.674 008 84	−25.604 716 19	6.05	−3.84	−30.44	0.96	0.55	0.99	1.00	0.62	+20	−53	−21	+27	+ 2	−10	−10	−24	+ 3	−11	0	0.87
89732	18 18 41.97	−25 56 06.9	7.93	H	274.674 877 82	−25.935 258 97	1.27	−0.75	−1.10	1.12	0.68	1.21	1.18	0.74	+14	−50	−10	+12	+15	−16	+ 1	−40	+ 4	−13	0	−0.66
89733	18 18 44.54	−61 56 06.6	9.17	G	274.685 569 19	−61.935 172 23	9.63	31.85	−24.68	1.05	0.88	1.37	1.13	1.04	+25	−39	−15	− 4	+ 9	+16	+ 9	− 5	+ 8	+39	0	0.30
89734	18 18 45.41	+82 21 35.7	10.98	H	274.689 218 49	+82.359 916 77	16.95	23.74	225.30	1.23	1.28	1.42	1.33	1.54	+ 8	−36	− 5	+ 0	− 5	−12	+ 2	−19	−14	+24	0	−0.81
*89735	18 18 46.88	+82 18 30.0	8.43	H	274.695 350 70	+82.308 321 12	3.51	−59.37	21.67	0.63	0.69	0.72	0.74	0.87	+ 9	−26	− 2	+ 0	+ 2	−10	+ 6	−14	− 6	+29	0	−1.39
*89736	18 18 46.89	−18 10 19.8	7.58	H	274.695 362 37	−18.172 176 03	1.14	−1.60	−2.32	0.96	0.57	0.99	1.04	0.65	−13	−43	+ 2	+13	+14	− 8	+ 3	−52	+ 7	−26	0	0.99
*89737	18 18 46.82	−69 35 56.1	8.05	H	274.695 083 08	−69.598 910 08	5.78	−0.90	−15.30	0.42	0.54	0.87	0.44	0.55	+ 3	−22	−16	+11	−27	− 1	−27	− 3	− 2	−12	0	−1.44
89738	18 18 51.13	−41 00 47.5	10.67	H	274.713 026 92	−41.013 206 31	−0.92	−33.63	−17.07	1.86	1.27	2.23	2.63	1.69	− 3	−14	+13	− 2	− 6	− 1	− 4	−35	+24	+12	0	0.32
89739	18 18 51.22	−46 32 53.4	10.67	3 H	274.713 433 39	−46.548 159 63	* 3.00	−8.10	−5.49	2.90	2.21	2.98	3.52	2.27	+30	−14	+18	+ 9	+35	+ 9	+24	− 8	+16	− 3	0	1.50
89740	18 18 51.48	+33 02 43.5	7.25	H	274.714 482 56	+33.045 414 85	3.36	13.09	−7.64	0.51	0.59	0.71	0.58	0.73	+ 6	−18	+ 8	+12	− 4	−21	− 1	−18	+ 7	+15	0	−0.08
89741 H	18 18 51.84	−23 03 58.8	8.62	H	274.716 016 67	−23.066 323 27	A 3.58	0.22	−10.64	1.79	1.16	1.74	1.85	1.19	+26	−41	−17	+13	+12	−10	− 1	−41	+15	+10	2	−0.30
89742	18 18 52.21	+67 03 15.8	9.78	H	274.717 550 96	+67.054 388 04	0.46	−6.05	−12.17	0.94	0.98	1.01	0.68	1.21	+ 1	−20	− 2	−70	− 5	+15	+ 0	− 9	+ 5	−12	1	0.11
89743	18 18 52.67	−13 49 42.6	9.34	H	274.719 477 95	−13.828 506 26	2.46	1.95	−0.86	1.72	1.14	2.12	2.29	1.35	−19	−22	−43	−14	+48	−49	+19	−62	+41	−54	0	1.40
*89744	18 18 53.13	−21 27 39.1	8.62	H	274.721 383 03	−21.460 855 96	3.62	5.44	−21.23	1.20	0.78	1.26	1.45	0.99	−30	−24	−24	−26	+48	−19	+35	−55	+33	−34	7	0.90
*89745	18 18 53.13	−40 26 26.6	8.01	H	274.721 382 71	−40.440 728 04	2.91	−1.52	−1.78	0.96	0.64	1.16	1.32	0.82	− 2	−18	+10	+ 0	+ 3	− 3	− 1	−35	+21	− 2	2	−0.25
89746 H	18 18 54.72	−73 04 16.5	9.18	H	274.727 992 96	−73.071 242 68	B 7.77	−26.72	33.64	3.00	3.34	3.90	3.20	3.41	+19	−17	− 1	+13	−15	− 8	−14	+17	+ 8	+ 0	1	2.17
89747	18 18 55.05	−13 32 28.7	7.91	H	274.729 373 80	−13.541 307 11	3.14	1.41	−13.26	1.13	0.88	1.22	1.44	0.98	−32	+ 1	−45	−45	+46	−34	+31	−65	+30	−63	0	1.16
89748	18 18 55.39	−45 27 59.4	8.43	2 H	274.730 784 30	−45.466 504 67	3.43	2.91	−1.19	1.04	0.68	1.10	1.19	0.70	+25	−34	−14	− 1	−52	− 1	−48	−21	+10	+22	0	−0.93
89749	18 18 55.95	+18 29 08.9	9.47	H	274.733 131 46	+18.485 806 03	12.08	−183.06	−124.39	1.09	1.05	1.56	1.08	1.16	−10	+19	−10	+ 9	+49	−15	+52	+ 3	+21	−25	0	−0.46
89750 H	18 18 56.19	−13 48 31.1	8.94	G	274.734 122 41	−13.808 632 90	A 5.02	−2.77	0.53	2.32	1.63	2.75	2.47	1.57	+26	−51	−55	+17	+38	−42	−18	−58	+54	−38	4	0.60
89751	18 18 56.55	−21 02 18.3	10.54	G	274.735 640 01	−21.038 411 04	2.37	1.04	1.71	2.48	1.34	2.84	2.55	1.62	+27	−56	−32	+ 4	+11	− 5	− 7	−48	+31	+16	0	1.42
89752 H	18 18 58.15	−47 59 21.5	8.99	H	274.742 303 34	−47.989 293 68	* 15.99	30.69	7.73	1.13	0.74	1.32	1.27	0.78	+21	−30	−13	+30	−21	− 2	−22	− 2	+12	+16	0	4.85
89753	18 18 58.69	−13 59 28.4	8.22	2 H	274.744 545 80	−13.991 233 10	0.34	0.20	0.05	1.18	0.87	1.36	1.69	1.11	−31	−12	−44	−21	+49	−37	+24	−60	+40	−69	0	1.33
89754	18 18 59.14	+39 16 01.4	7.86	G	274.746 411 85	+39.267 064 94	1.61	12.13	5.22	0.55	0.64	0.72	0.63	0.77	+ 3	−15	+ 3	+13	+15	−13	+15	+ 5	+ 5	+ 4	0	−0.82
89755	18 18 59.26	−04 06 19.6	7.60	H	274.746 911 68	−04.105 445 38	4.69	6.99	−7.16	0.98	0.60	1.11	1.11	0.73	− 6	−41	− 2	+ 6	+ 5	+28	+16	− 8	− 6	+22	0	0.53
89756	18 18 59.58	+48 34 13.1	7.70	G	274.748 233 33	+48.570 305 59	15.69	19.75	128.82	0.56	0.44	0.62	0.68	0.59	+ 3	− 5	− 2	+ 5	+ 2	+20	+ 3	− 1	− 6	+ 0	0	−0.68
89757	18 19 01.15	−03 10 06.8	7.74	H	274.754 805 62	−03.168 567 08	3.74	9.99	4.29	0.85	0.56	0.98	0.84	0.62	−12	−38	+ 5	− 9	+ 2	+22	− 1	−35	− 1	−18	0	0.95
89758	18 19 01.28	−63 51 12.9	8.47	H	274.755 333 50	−63.853 573 40	2.00	−4.85	−4.59	0.66	0.66	1.00	0.82	0.71	− 9	−15	− 5	+ 7	+ 2	− 1	+10	−20	−14	+14	0	−0.51
89759	18 19 02.85	+08 09 12.2	10.49	H	274.761 879 20	+08.153 384 56	7.12	17.86	−62.70	1.54	1.30	2.02	1.87	1.69	+66	−41	−28	−33	−20	+32	−24	−35	+30	+52	2	−0.61
89760	18 19 03.03	+49 58 05.5	8.68	H	274.762 610 40	+49.968 181 07	6.41	9.94	39.82	0.70	0.52	0.73	0.83	0.77	+ 1	−17	+ 3	− 3	+11	+ 3	+14	+ 1	+ 1	− 9	0	−0.15
*89761	18 19 03.58	+17 28 12.9	8.79	H	274.764 911 29	+17.470 256 11	3.58	−1.49	6.19	0.93	0.87	1.29	1.29	1.18	− 8	−29	− 2	+ 2	+25	−12	+23	− 5	− 1	+ 4	0	−0.90
*89762	18 19 03.58	+35 08 20.2	9.11	H	274.764 908 18	+35.138 950 83	7.19	−20.49	19.40	0.74	0.82	0.97	0.82	0.94	+10	−15	− 4	+12	+12	− 7	+10	+25	+ 7	+11	0	0.08
89763	18 19 04.03	+14 34 28.2	8.02	H	274.766 806 82	+14.574 497 15	3.71	2.03	−10.76	0.72	0.71	1.17	1.09	1.13	− 7	−14	+ 6	−10	+16	− 9	+16	−24	−10	−19	1	1.02
89764	18 19 04.35	+40 55 38.4	8.18	H	274.768 118 49	+40.927 335 05	9.32	24.96	37.46	0.65	0.57	0.72	0.81	0.75	− 1	−13	+ 1	+18	+ 6	−12	+ 8	− 3	− 3	+ 1	0	0.31
89765	18 19 04.41	+37 39 30.2	8.60	H	274.768 386 55	+37.658 393 64	3.60	−1.72	−3.40	0.68	0.62	0.74	0.75	0.76	+11	−23	−16	+49	+ 6	− 8	+ 4	+27	− 6	+ 2	1	0.25
89766 H	18 19 05.58	−35 09 24.6	8.51	H	274.773 245 41	−35.156 832 86	* 30.65	−59.07	−21.42	1.81	1.70	1.60	2.03	1.25	+18	− 8	− 6	−14	+ 0	− 5	− 1	−47	+ 8	+14	2	0.60
89767	18 19 05.99	+12 11 36.0	7.10	H	274.774 960 49	+12.193 330 51	0.50	0.06	−8.08	0.61	0.53	0.78	0.70	0.64	+17	−28	−26	−23	+11	+ 6	+ 4	−40	+30	+20	0	0.73
89768	18 19 06.49	+01 26 35.2	9.37	H	274.777 046 08	+01.443 113 68	6.15	−5.69	−54.74	1.27	0.82	1.34	1.41	0.98	−16	−35	+ 4	+21	−15	+ 6	−16	−17	+ 7	−13	2	−0.44
89769	18 19 07.36	−11 37 59.2	9.08	H	274.780 681 03	−11.633 097 34	1.38	3.57	−2.53	1.23	0.77	1.32	1.46	0.91	− 6	−12	−11	+17	+14	+15	+15	−20	+14	− 3	0	−1.16
89770	18 19 08.35	+71 31 04.0	6.68	H	274.784 798 32	+71.517 764 38	19.51	−59.86	36.85	0.50	0.46	0.51	0.54	0.53	+ 3	−31	+ 7	− 6	+17	− 3	+18	+ 5	− 8	+14	1	0.97
89771	18 19 08.82	+33 13 51.4	8.28	H	274.786 737 46	+33.230 936 68	27.21	4.87	137.31	0.62	0.71	0.86	0.71	0.90	+12	−16	− 3	+15	− 5	−24	− 6	−15	+11	+14	0	−1.08
89772	18 19 09.56	+07 15 35.1	5.41	H	274.789 846 93	+07.259 761 89	22.24	−45.38	1.96	0.59	0.47	0.82	0.75	0.60	+ 9	−26	−23	−25	+ 6	+33	+11	−22	+11	− 3	2	−0.08
89773	18 19 10.67	+24 26 45.8	5.30	1 H	274.794 477 41	+24.446 046 19	2.55	8.40	5.41	0.34	0.42	0.59	0.40	0.46	+ 8	− 8	− 4	+21	+20	+ 0	+18	+16	+ 8	+12	0	0.76
89774	18 19 12.13	+34 07 33.8	8.68	H	274.800 532 59	+34.126 060 78	5.37	−10.33	−8.35	0.68	0.79	0.93	0.73	0.97	+10	−10	+ 7	+ 5	+ 4	−11	+ 6	−15	+ 1	+14	0	0.66
89775	18 19 13.18	+55 35 35.0	8.36	H	274.804 935 56	+55.593 047 93	1.78	17.51	3.65	0.73	0.54	0.67	0.78	0.65	+ 9	+ 7	− 4	+32	+20	− 6	+23	+ 1	− 6	+14	0	0.07
89776	18 19 14.18	+12 32 02.3	7.49	H	274.809 066 93	+12.533 969 68	1.07	−0.28	−7.62	0.74	0.64	0.96	0.83	0.78	+25	−39	−30	−29	+ 0	+ 0	−11	−56	+26	+11	0	0.74
89777	18 19 16.30	+15 49 33.8	6.98	H	274.817 924 94	+15.826 045 93	3.56	22.11	−2.19	0.60	0.54	0.88	0.80	0.71	−20	−18	− 4	−10	+23	−27	+18	−28	+21	−25	0	−0.37
89778	18 19 17.57	+23 24 46.7	8.08	H	274.823 215 79	+23.412 965 44	3.99	−13.88	−4.70	0.41	0.66	0.93	0.53	0.72	+14	−16	− 8	+19	+22	+ 3	+17	+23	+12	+18	0	0.05
89779	18 19 18.17	+52 39 07.0	7.35	H	274.825 722 83	+52.651 933 93	3.10	−8.98	−6.29	0.56	0.42	0.58	0.66	0.54	+ 4	−16	− 7	+ 2	+ 8	− 7	+12	−14	+10	+16	1	1.02
89780	18 19 18.30	−05 29 14.4	8.49	G	274.826 261 63	−05.487 320 37	9.05	43.74	−23.07	1.02	0.74	1.28	0.98	0.73	+14	−41	−30	−10	− 6	+21	+ 0	−15	− 1	− 4	0	−0.64
89781	18 19 19.44	−22 44 15.1	8.39	H	274.830 999 01	−22.737 533 53	2.34	7.67	−0.40	1.13	0.72	1.28	1.41	0.88	+19	−36	−28	+14	+13	−12	− 6	−39	+26	− 5	0	−0.17
89782	18 19 19.94	−67 19 41.3	8.11	H	274.833 089 28	−67.328 140 97	3.86	−3.24	−25.33	0.63	0.70	0.95	0.73	0.81	+10	− 7	−13	−11	− 4	+ 3	− 5	− 6	+11	+22	0	0.61
89783	18 19 21.81	−15 36 46.1	8.43	2 H	274.840 891 51	−15.612 793 20	2.74	0.68	−0.82	1.15	0.66	1.21	1.13	0.73	+14	−49	+ 4	+13	− 4	− 7	− 4	−32	− 7	+ 6	0	−1.61
89784	18 19 22.29	−36 46 50.3	9.70	H	274.842 855 36	−36.780 650 29	6.47	0.63	−20.41	1.62	1.09	1.82	2.05	1.16	+ 6	−32	−17	+16	+15	−29	+ 0	−28	+ 4	−25	0	−0.27
89785	18 19 23.24	−39 40 36.2	8.36	H	274.846 819 39	−39.676 729 46	2.69	−10.69	−6.11	1.03	0.73	1.27	1.47	0.93	+ 4	−26	−29	+17	+28	−17	+11	−31	+35	−11	0	0.68
*89786	18 19 24.25	−28 59 58.6	8.29	H	274.851 040 95	−28.999 624 72	5.52	2.41	−1.70	1.13	0.79	1.28	1.61	0.99	− 5	−33	−33	+ 9	+47	−25	+21	−47	+33	−31	0	1.13
*89787	18 19 24.09	+86 24 30.9	10.36	H	274.850 363 32	+86.408 590 07	3.80	−0.53	33.55	0.99	1.08	1.16	1.15	1.33	+ 9	−12	+ 4	+ 5	+15	+14	+14	+ 7	+ 9	+26	1	0.42
89788	18 19 25.59	−81 08 44.9	8.42	H	274.856 628 76	−81.145 806 74	8.23	33.99	−51.35	0.69	0.69	0.93	0.68	0.81	+ 0	−40	+ 4	− 9	− 8	+ 4	− 7	−10	− 5	− 8	0	−1.79
89789	18 19 25.68	+00 50 31.0	7.93	G	274.857 001 50	+00.841 949 17	2.07	11.29	−1.44	0.86	0.58	0.98	0.93	0.65	− 8	−17	−10	+ 6	+ 1	+23	+ 5	−35	+ 0	− 6	0	−1.04
89790	18 19 26.70	−61 48 19.1	8.86	H	274.861 245 57	−61.805 316 60	2.80	−6.20	−28.09	1.19	0.90	1.28	1.51	1.13	− 3	−31	−16	+22	−23	+ 0	−25	+ 8	+12	−10	0	−0.27
89791	18 19 27.34	+28 14 15.9	9.88	H	274.863 934 53	+28.237 749 93	6.30	10.05	15.13	0.87	1.23	1.51	1.10	1.38	+12	− 5	+ 1	+ 9	+ 8	− 8	+ 8	−14	+ 3	+15	5	0.56
89792	18 19 28.20	−09 48 54.7	9.00	H	274.867 495 82	−09.815 192 42	12.11	−0.21	−4.22	1.04	0.77	1.15	1.12	0.84	+ 6	−22	−27	−14	− 4	+ 2	− 5	−18	+ 4	−23	0	0.31
89793	18 19 29.57	−75 29 25.1	11.40	H	274.873 206 04	−75.490 294 74	8.64	26.47	−324.01	1.75	2.17	2.64	2.41	2.58	+ 5	−12	+ 8	+ 3	−13	− 5	−12	−12	− 4	−11	2	0.60
89794	18 19 30.12	+35 44 08.9	8.97	H	274.875 506 33	+35.735 796 86	5.44	−7.11	24.19	0.70	0.72	0.91	0.78	0.86	+11	−16	− 5	+23	+17	−13	+14	+23	+15	+ 6	2	1.50
89795	18 19 31.92	−52 27 36.7	9.47	H	274.882 996 27	−52.460 198 27	9.33	13.84	−125.34	1.17	0.94	1.54	1.53	1.22	− 9	−11	− 1	+12	−22	+ 1	−13	−21	+13	+21	0	1.00
89796	18 19 32.15	+63 12 29.1	9.80	H	274.883 947 71	+63.208 084 93	2.53	−3.39	−19.73	0.84	0.84	0.88	0.94	0.88	+ 1	+ 6	− 4	+ 3	+22	−18	+23	−21	− 3	+15	0	−0.83
89797	18 19 34.04	−49 20 49.3	7.36	G	274.891 838 11	−49.347 021 60	6.87	−8.82	−37.53	0.75	0.53	0.84	0.88	0.55	−20	−20	− 6	+33	−32	− 7	−29	+ 4	− 2	−24	0	0.62
89798	18 19 35.03	+11 52 13.7	7.60	H	274.895 943 23	+11.870 481 34	1.03	3.72	−6.87	0.69	0.57	0.88	0.78	0.72	+15	−26	−12	−23	+16	+14	+10	−28	+29	+23

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
89701	9.075	0.015	9.016	0.019		0.037	0.002	G	0.05	0.00	H	9.0421	0.0022	0.020	89		9.01	9.07		C			1							
89702	9.139	0.018	7.950	0.012		1.018	0.017	T	0.99	0.01	L	8.0223	0.0015	0.013	70		7.99	8.04		C			1							
89703	9.845	0.025	9.314	0.024		0.506	0.026	T	0.58	0.03	L	9.3391	0.0023	0.018	95		9.31	9.38		C			1							
89704	10.061	0.021	9.438	0.019		0.580	0.025	T	0.65	0.02	L	9.5024	0.0021	0.027	156		9.46	9.55		C			1							
89705	7.547	0.008	7.506	0.011		0.043	0.013	T	0.06	0.01	L	7.5110	0.0013	0.008	74		7.50	7.53		C			1 S							S
89706	9.269	0.012	7.718	0.006		1.302	0.011	T	1.26	0.01	L	7.7251	0.0014	0.016	189		7.70	7.75					1							S
89707	12.020	0.158	10.111	0.049		1.430	0.020	G	1.42	0.03	H	10.1309	0.0031	0.026	76		10.06	10.17					1 G							G
89708	6.841	0.005	6.915	0.008		−0.058	0.003	G	−0.04	0.00	H	6.9129	0.0016	0.011	75		6.89	6.93					1							S
89709	11.722	0.122	10.915	0.089		0.714	0.115	T	0.77	0.10	L	11.0372	0.0038	0.053	86		10.96	11.10		U			1							G
89710	9.106	0.027	8.545	0.026	*	0.530	0.027	T	0.60	0.03	L *	8.5847	0.0018	0.016	68	*	8.56	8.61		D	18185−3503	I 1	2 C A	AB	252	6.013	0.008	1.18	0.02	
89711	8.481	0.010	7.903	0.009		0.540	0.012	T	0.61	0.01	L	7.9646	0.0012	0.012	141		7.95	7.99					1							S
89712	10.133	0.030	9.389	0.025		0.681	0.031	T	0.74	0.03	L	9.4009	0.0034	0.017	59		9.37	9.43					1							
89713	8.756	0.013	7.884	0.010		0.798	0.015	G	0.83	0.01	H	7.9215	0.0008	0.010	74		7.89	7.94		D			1							
89714	8.599	0.009	8.598	0.011		0.006	0.013	T	0.03	0.01	L	8.6177	0.0016	0.018	141		8.59	8.66					1							S
89715	9.260	0.014	8.043	0.009		1.040	0.013	T	1.01	0.01	L	8.1138	0.0011	0.014	118		8.09	8.13					1							S
89716	10.004	0.049	9.563	0.054		0.416	0.067	T	0.48	0.07	L	9.4998	0.0029	0.020	67		9.47	9.53		C			1							
89717	9.307	0.023	8.608	0.020		0.632	0.023	T	0.70	0.02	L	8.6621	0.0021	0.013	74		8.64	8.69		C			1							
89718	9.864	0.026	8.577	0.015		1.095	0.023	T	1.06	0.02	L	8.5978	0.0018	0.018	77		8.57	8.63					1							
89719	8.672	0.010	8.607	0.013		0.065	0.015	T	0.07	0.02	L	8.6388	0.0015	0.013	122		8.62	8.67		C			1							
89720	8.635	0.010	7.968	0.009		0.636	0.015	G	0.70	0.01	H	8.0199	0.0017	0.014	103		7.99	8.04					1							S
89721	10.867	0.027	9.320	0.012		1.299	0.023	T	1.26	0.02	L	9.3460	0.0020	0.026	274		9.30	9.40					1							
89722	8.624	0.007	8.533	0.008		0.089	0.010	T	0.10	0.01	L	8.5573	0.0018	0.022	254		8.53	8.60					1							S
89723	10.041	0.038	9.336	0.033		0.636	0.038	T	0.70	0.03	L	9.3688	0.0024	0.023	78		9.33	9.41					1							
89724	8.860	0.017	7.661	0.011		1.026	0.016	T	1.06	0.02	A	7.6909	0.0019	0.010	68		7.67	7.71					1 G							
89725	10.112	0.022	8.949	0.014		0.998	0.020	T	0.98	0.02	L	9.0202	0.0017	0.021	148		8.99	9.06		C			1							
89726	6.106	0.003	6.271	0.004		−0.144	0.004	T	−0.14	0.01	L	6.2528	0.0009	0.007	108		6.24	6.26		C			1							S
89727	9.782	0.045	9.749	0.067		0.035	0.075	T	0.05	0.06	L	9.6134	0.0027	0.019	63		9.58	9.66					1							G
89728	10.616	0.051	9.397	0.030		1.060	0.015	G	1.13	0.02	A	9.4111	0.0026	0.024	69		9.37	9.45					1							
89729	9.231	0.021	8.607	0.019		0.581	0.025	T	0.65	0.02	L	8.6343	0.0020	0.014	60		8.60	8.66					1							
89730	8.668	0.011	8.549	0.013		0.115	0.016	T	0.13	0.02	L	8.5922	0.0015	0.016	106		8.57	8.62		C			1							
89731	8.255	0.014	6.654	0.007		1.346	0.001	G	1.31	0.00	H	6.6586	0.0013	0.007	70		6.65	6.68					1							S
89732	10.217	0.045	8.139	0.016		1.720	0.038	T	1.75	0.04	L	8.0321	0.0014	0.014	76		8.01	8.06		D			1							
89733	9.875	0.024	9.286	0.023		0.588	0.007	G	0.66	0.01	H	9.3137	0.0030	0.023	101		9.28	9.34					1							
89734	11.967	0.139	11.095	0.101		0.779	0.129	T	0.81	0.09	L	11.1277	0.0043	0.033	115		11.04	11.18					1							G
89735	9.719	0.018	8.543	0.012		1.008	0.017	T	0.98	0.01	L	8.5999	0.0018	0.014	121		8.58	8.62		C			1							
89736	7.680	0.010	7.612	0.014		0.120	0.015	G	0.13	0.01	H	7.6292	0.0011	0.010	76		7.61	7.65					1							S
89737	7.972	0.005	8.033	0.006		−0.051	0.007	T	−0.03	0.01	L	8.0351	0.0008	0.014	254		8.01	8.06					1							S
89738	11.815	0.135	10.870	0.092		0.833	0.121	T	0.85	0.09	L	10.8290	0.0038	0.040	96		10.74	10.89					1 S							G
89739						2.100	0.510	G	2.09	0.52	J	10.7413	0.2008	1.085	126		10.07	12.44		U 2 B			1 V							G
89740	9.359	0.015	7.455	0.007		1.581	0.013	T	1.60	0.01	L	7.3625	0.0014	0.016	127		7.33	7.39					1							S
89741	10.468	0.078	8.892	0.036	A	0.841	0.133	G	1.04	0.05	L *	8.7917	0.0019	0.014	70	*	8.77	8.82		D	18189−2304	I 1	2 C A	AB	59	8.281	0.021	2.61	0.07	
89742	11.054	0.077	9.893	0.043		0.997	0.069	T	0.98	0.06	L	9.9452	0.0028	0.018	76		9.92	9.97		C			1							
89743	9.653	0.028	9.360	0.033		0.267	0.011	G	0.30	0.01	H	9.4089	0.0025	0.018	66		9.37	9.45		D			1							D
89744	8.835	0.016	8.637	0.019		0.182	0.024	T	0.20	0.03	L	8.6831	0.0015	0.012	72		8.67	8.70					1							
89745	9.375	0.020	8.146	0.013		1.050	0.019	T	1.02	0.02	L	8.1763	0.0020	0.014	83		8.15	8.20		C			1							
89746	10.048	0.020	9.379	0.017	*	0.609	0.020	T	0.68	0.02	L *	9.3064	0.0024	0.024	177	*	9.27	9.36		D	18189−7305	I 1	2 C A	BA	225	0.854	0.005	0.03	0.01	
89747	10.224	0.037	8.159	0.013		1.760	0.015	G	1.74	0.01	J	8.0174	0.0021	0.015	68		7.99	8.05					1							
89748	9.660	0.023	8.522	0.015		0.979	0.021	T	0.96	0.02	L	8.5925	0.0019	0.013	101		8.57	8.62		U			1							
89749	10.324	0.027	9.556	0.022		0.700	0.027	T	0.76	0.02	L	9.6081	0.0023	0.025	131		9.58	9.66					1							
89750	9.303	0.021	8.928	0.022	A	0.400	0.010	G	0.47	0.01	H *	8.9933	0.0024	0.017	71	*	8.95	9.02		C	18189−1349	H 1	2 C D	AB	352	2.049	0.058	3.87	0.28	D D
89751						1.390	0.020	G	1.36	0.02	H	10.7092	0.0034	0.036	66		10.63	10.77					1							G
89752	9.970	0.026	9.067	0.020	*	0.787	0.025	T	0.82	0.02	L *	9.1259	0.0017	0.013	100	*	9.10	9.15		D	18190−4759	I 1	2 C S A	AS	12	0.154	0.008	0.36	0.46	
89753	8.582	0.013	8.291	0.014		0.333	0.005	G	0.39	0.01	H	8.3038	0.0038	0.033	72		8.27	8.39	4.02	P 1 A			1							
89754	9.562	0.021	8.016	0.011		1.330	0.015	G	1.29	0.02	H	8.0126	0.0013	0.014	109		7.99	8.04					1							
89755	8.992	0.017	7.724	0.011		1.007	0.015	G	0.98	0.01	H	7.7617	0.0013	0.014	56		7.74	7.78					1							
89756	8.320	0.011	7.743	0.009		0.531	0.015	G	0.60	0.02	H	7.8093	0.0010	0.009	103		7.79	7.83					1							S
89757	9.020	0.018	7.858	0.012		0.997	0.017	T	0.98	0.01	L	7.9053	0.0013	0.010	70		7.90	7.93		C			1							S
89758	8.464	0.010	8.463	0.013		0.002	0.014	T	0.02	0.01	L	8.4798	0.0014	0.016	133		8.45	8.50					1							
89759	11.277	0.058	10.479	0.044		0.723	0.056	T	0.77	0.04	L	10.6364	0.0030	0.026	119		10.60	10.68		C			1							G
89760	9.191	0.014	8.741	0.014		0.424	0.018	T	0.49	0.02	L	8.7698	0.0017	0.018	111		8.74	8.80		C			1							
89761	10.751	0.042	8.935	0.016		1.511	0.036	T	1.54	0.05	L	8.9206	0.0017	0.018	100		8.88	8.95					1							
89762	9.591	0.016	9.167	0.016		0.401	0.021	T	0.47	0.02	L	9.2054	0.0021	0.021	125		9.16	9.24		C			1							
89763	9.626	0.018	8.146	0.010		1.270	0.015	G	1.17	0.03	L	8.1803	0.0013	0.013	114		8.16	8.21		D			1 S							
89764	8.724	0.012	8.232	0.011		0.463	0.015	T	0.53	0.02	L	8.2772	0.0011	0.012	104		8.25	8.30		D			1							S
89765	8.546	0.010	8.575	0.013		−0.022	0.015	T	0.00	0.01	L	8.6014	0.0015	0.015	120		8.58	8.63		C			1							S
89766	9.860	0.026	8.669	0.017	*	1.013	0.025	T	0.99	0.02	L *	8.6578	0.0019	0.015	68	*	8.63	8.69		D	18191−3509	I 1	2 C A	AB	275	0.227	0.010	0.56	0.33	
89767	6.990	0.004	7.086	0.006		−0.083	0.006	T	−0.06	0.01	L	7.0807	0.0013	0.011	139		7.06	7.10					1							S
89768	9.866	0.027	9.426	0.027		0.415	0.035	T	0.48	0.04	L	9.4597	0.0030	0.030	96		9.40	9.51					1							
89769	10.057	0.034	9.257	0.026		0.724	0.033	T	0.78	0.02	L	9.2241	0.0029	0.018	61		9.19	9.25					1							
89770	7.194	0.007	6.723	0.005		0.444	0.008	T	0.51	0.01	L	6.7838	0.0008	0.008	110		6.77	6.80		C			1							S
89771	9.249	0.013	8.367	0.010		0.771	0.013	T	0.81	0.01	L	8.4167	0.0019	0.017	131		8.39	8.46					1							
89772	6.814	0.004	5.537	0.003		1.084	0.002	G	1.05	0.00	H	5.5732	0.0005	0.005	113		5.56	5.58			18192+0716	I 1	1							S
89773	7.286	0.004	5.458	0.003		1.508	0.020	G	1.43	0.03	C	5.4386	0.0008	0.009	193		5.42	5.45		M			1							S
89774	9.148	0.013	8.724	0.013		0.438	0.015	G	0.51	0.02	H	8.7750	0.0015	0.018	130		8.75	8.81		C			1							
89775	9.644	0.018	8.474	0.012		1.004	0.017	T	0.98	0.01	L	8.5198	0.0020	0.019	111		8.49	8.56					1							
89776	7.354	0.006	7.466	0.007		−0.097	0.008	T	−0.08	0.01	L	7.4627	0.0014	0.012	114		7.44	7.48					1							S
89777	7.313	0.005	7.007	0.006		0.291	0.007	T	0.33	0.01	L	7.0522	0.0011	0.009	104		7.03	7.07		C			1							S
89778	8.205	0.006	8.102	0.007		0.100	0.009	T	0.11	0.01	L	8.1235	0.0013	0.017	255		8.10	8.15					1							S
89779	8.910	0.013	7.473	0.008		1.212	0.012	T	1.17	0.01	L	7.5124	0.0009	0.010	114		7.50	7.53		C			1							S
89780	9.139	0.018	8.555	0.016		0.563	0.015	G	0.64	0.01	H	8.6031	0.0017	0.012	69		8.59	8.63		C			1							
89781	10.010	0.035	8.525	0.019		1.250	0.031	T	1.21	0.03	L	8.5492	0.0018	0.014	74		8.52	8.57					1							
89782	9.929	0.020	8.273	0.010		1.385	0.018	T	1.36	0.02	L	8.2569	0.0017	0.018	137		8.23	8.29		C			1							
89783	10.975	0.065	8.706	0.017		1.846	0.049	T	1.88	0.05	L	8.5245	0.0098	0.064	79		8.43	8.61		U 2			1 S							
89784	10.431	0.070	9.780	0.064		0.596	0.071	T	0.67	0.07	L	9.8281	0.0053	0.029	61		9.78	9.89					1							G
89785	9.393	0.022	8.452	0.016		0.830	0.020	T	0.85	0.01	L	8.5120	0.0019	0.014	72		8.49	8.53		C			1							
89786	8.346	0.014	8.301	0.019		0.046	0.022	T	0.06	0.02	L	8.3086	0.0024	0.020	72		8.27	8.35					1							
89787	10.947	0.045	10.406	0.044		0.507	0.056	T	0.58	0.06	L	10.4756	0.0025	0.024	118		10.44	10.53		C			1							G
89788	9.125	0.013	8.483	0.012		0.590	0.013	T	0.66	0.01	L	8.5501	0.0016	0.019	138		8.52	8.58					1							
89789	10.631	0.048	8.205	0.013		1.950	0.015	G	1.97	0.09	H	7.9710	0.0015	0.021	94		7.93	8.00		D			1 S							
89790	10.514	0.046	8.994	0.023		1.278	0.040	T	1.24	0.04	L	9.0143	0.0033	0.020	80		8.98	9.05					1							
89791	10.354	0.026	9.859	0.025		0.466	0.033	T	0.54	0.04	L	9.9871	0.0026	0.032	150		9.91	10.05					1							G
89792	9.680	0.025	9.074	0.023		0.589	0.020	G	0.66	0.02	H	9.1257	0.0025	0.013	59		9.11	9.15		C			1							
89793	12.481	0.221	11.211	0.102		1.082	0.190	T	1.04	0.16	L	11.5720	0.0045	0.062	138		11.44	11.66					1 S							G
89794	9.440	0.020	8.993	0.020		0.422	0.026	T	0.49	0.03	L	9.0674	0.0017	0.021	120		9.03	9.10					1							S
89795	10.366	0.035	9.535	0.028		0.748	0.034	T	0.79	0.02	L	9.6150	0.0027	0.021	68		9.59	9.65		C			1							
89796	11.234	0.071	9.836	0.033		1.182	0.061	T	1.14	0.06	L	9.9722	0.0021	0.021	89		9.94	10.00		C			1							
89797	7.782	0.010	7.409	0.011		0.353	0.014	T	0.41	0.01	L	7.4461	0.0011	0.010	91		7.43	7.47					1							S
89798	7.596	0.006	7.605	0.008		−0.004	0.009	T	0.02	0.01	L	7.6039	0.0010	0.011	129		7.59	7.62		C			1							S
89799	10.421	0.037	9.100	0.020		1.122	0.033	T	1.08	0.03	L	9.0993	0.0021	0.022	141		9.07	9.16		C			1							
89800	9.545	0.021	8.157	0.012		1.174	0.019	T	1.14	0.02	L	8.1096	0.0020	0.014	70		8.09	8.13					1 S							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ $\alpha*$	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg	mas	mas/yr		mas		mas	mas/yr												%	
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
89801	18 19 37.23	+22 57 46.3	8.87	H	274.905 143 26	+22.962 869 59	4.07	0.39	3.37	0.60	0.84	1.25	0.73	0.92	+ 0	−18	−16	+ 5	+19	− 4	+12	+13	+19	+ 1	1	−0.24
*89802	18 19 38.84	+16 39 08.2	9.17	H	274.911 824 82	+16.652 269 24	6.92	25.51	5.73	1.03	0.96	1.33	1.36	1.19	− 9	− 5	+21	+17	+42	+11	+41	+ 4	+21	+18	0	0.98
*89803	18 19 38.83	−41 49 19.7	10.18	H	274.911 779 42	−41.822 136 94	6.18	20.75	−34.74	1.59	1.12	1.90	2.36	1.59	+11	−26	− 4	−25	−40	− 2	−36	−56	+22	+27	0	1.38
89804	18 19 39.42	−16 01 20.3	9.24	H	274.914 234 74	−16.022 312 72	−0.36	0.14	−3.63	1.31	0.80	1.40	1.49	0.94	+20	−42	−20	+11	−	1	−	5	−10	−42	+16	+ 9	0	−0.06
89805	18 19 40.08	−63 53 09.2	6.17	G	274.916 993 48	−63.885 891 03	43.64	38.89	−276.16	0.47	0.48	0.72	0.57	0.51	−10	−11	+ 5	−11	+ 7	−	6	+12	−27	−20	+14	2	−0.38
89806 H	18 19 40.18	+10 16 19.2	8.24	G	274.917 424 74	+10.272 004 99	A 17.06	−110.09	−211.79	2.45	1.86	1.89	1.87	1.62	+ 3	−14	−23	−18	+10	+ 2	+ 7	−34	+15	+19	1	−0.01
89807	18 19 40.57	+67 26 06.1	6.92	1 H	274.919 045 55	+67.435 024 39	2.88	2.43	18.40	0.51	0.51	0.54	0.49	0.62	+ 2	−20	+ 3	−	9	+ 3	−12	+ 5	+ 2	−	7	+ 4	1	1.20
89808	18 19 41.35	−45 41 55.8	6.84	G	274.922 300 57	−45.698 822 71	+ 26.41	−77.95	−135.28	0.93	0.60	0.95	0.83	0.51	+16	−15	+ 1	−	2	−37	+ 4	−21	−18	−	3	+ 0	0	−1.13
*89809 H	18 19 42.16	+14 03 04.9	9.17	H	274.925 651 42	+14.051 348 04	A 3.87	2.65	−0.25	1.26	1.21	1.91	1.82	1.58	−	7	−32	+22	+14	+29	+	3	+33	−11	−	9	−	2	0	−0.31
*89810 H	18 19 42.22	+44 53 17.2	8.73	H	274.925 898 71	+44.888 107 86	A 8.47	13.31	−31.14	1.66	1.36	1.35	1.62	1.61	+11	−23	+ 3	−	6	−	1	+16	+ 2	−	7	−	6	+11	5	1.80
*89811	18 19 42.09	−29 37 11.6	8.07	H	274.925 393 80	−29.619 896 34	2.44	−3.43	−12.28	1.17	0.88	1.47	1.72	1.20	+16	−24	−39	+	6	+18	−	8	+	1	−53	+47	+	5	0	−0.97
*89812 H	18 19 42.57	+44 53 26.4	11.40	H	274.927 379 03	+44.890 669 97	B 11.06	21.59	−27.51	18.44	14.77	12.23	14.44	14.26	+17	−21	+	2	+	1	+	0	+21	+	2	−	3	−	2	+11	5	1.80
*89813 H	18 19 42.45	−46 28 24.8	8.56	G	274.926 862 41	−46.473 562 50	A 3.52	15.48	−3.75	1.63	1.06	1.85	1.76	1.07	+11	−22	−	1	+14	−40	+11	−34	−	8	+21	+42	2	−0.27
89814	18 19 45.84	+39 05 29.2	8.07	H	274.940 997 09	+39.091 442 33	1.71	−4.74	2.20	0.53	0.57	0.67	0.62	0.66	+ 3	−16	−	4	+13	+14	−12	+14	−	1	−	1	+ 4	0	−1.60
89815	18 19 46.70	+66 47 07.4	8.31	H	274.944 575 49	+66.785 390 85	0.40	−4.83	9.89	0.65	0.64	0.67	0.46	0.76	−	9	−19	+	0	−71	+	4	+14	+	4	−	9	+ 0	−12	1	1.63
*89816 H	18 19 48.11	−04 57 42.1	7.59	2 G	274.950 439 00	−04.961 703 84	A 16.40	108.29	19.92	1.86	1.37	1.83	1.87	1.36	−15	−	7	−	3	−15	+	6	+19	+	6	−	5	+	5	−	9	8	0.72
*89817	18 19 47.46	−66 39 18.0	7.29	H	274.947 741 42	−66.654 992 86	2.91	−0.46	−28.38	0.58	0.57	0.86	0.68	0.66	+ 1	−16	−	7	−14	+	3	+	7	+	2	−15	+12	+18	0	−1.29
89818	18 19 48.96	+39 35 41.8	8.44	H	274.953 988 82	+39.594 935 53	0.46	−10.53	−33.75	0.66	0.69	0.83	0.72	0.82	−	8	−	4	−13	−	8	+10	−18	+	8	−13	+10	−	8	0	−0.38
89819	18 19 49.03	+31 08 41.4	8.23	H	274.954 295 14	+31.144 820 52	6.88	2.19	20.63	0.53	0.65	0.77	0.58	0.77	+ 3	−	6	−13	+23	+10	−10	+11	+	0	+14	+13	1	1.80
89820	18 19 49.04	+42 00 06.0	7.56	H	274.954 344 90	+42.001 667 28	5.17	−19.37	32.12	0.51	0.47	0.59	0.60	0.62	−	3	−	8	−	9	−	1	+	5	−13	+	4	−12	+	5	−	6	1	−0.79
89821	18 19 49.25	−65 25 26.9	9.37	H	274.955 225 99	−65.424 140 58	2.23	0.09	10.26	0.72	0.89	1.42	0.88	1.01	−	6	−17	+11	−	9	+	2	+	0	+	2	−	7	−	9	+21	1	−0.08
89822	18 19 49.54	+48 06 02.0	8.39	G	274.956 408 35	+48.100 553 87	10.94	−5.68	31.56	0.60	0.45	0.64	0.65	0.63	+ 3	−	6	−	6	+	0	+	6	−	1	+	7	−	8	−	4	−	6	1	1.56
89823	18 19 50.13	−17 45 02.8	6.96	H	274.958 866 75	−17.750 790 55	2.12	−1.79	−4.50	0.95	0.60	1.00	1.11	0.69	−	7	−36	+	9	+13	+	0	−17	−	5	−53	−	2	−18	2	1.03
89824	18 19 50.33	+19 10 16.6	8.20	H	274.959 711 08	+19.171 290 06	1.46	−3.30	−10.16	0.75	0.72	0.92	0.70	0.76	+22	+23	+20	+43	+53	+17	+56	+43	+27	+	7	0	0.61
89825	18 19 50.84	−01 56 19.0	9.66	G	274.961 839 65	−01.938 611 65	51.81	1.74	2.06	1.29	0.91	1.43	1.40	1.06	+19	−12	−15	−10	−12	+17	−12	−39	+	3	+11	0	1.09
89826	18 19 51.72	+36 03 52.0	4.33	H	274.965 505 03	+36.064 446 96	13.71	−16.14	41.32	0.44	0.46	0.56	0.50	0.52	+ 6	−18	+	7	+23	+	7	−20	+	7	+11	+	7	+12	0	−0.20
89827	18 19 52.07	+29 39 59.0	6.01	H	274.966 964 27	+29.666 383 44	4.98	−2.46	3.56	0.43	0.46	0.62	0.58	0.63	−	2	+	1	−	5	−12	+	8	−12	+	8	+	7	−14	−	3	0	−2.16
89828	18 19 52.12	−11 17 14.9	7.40	H	274.967 180 40	−11.287 484 24	10.14	10.45	−27.24	0.80	0.60	0.90	0.81	0.65	+ 6	−33	−16	+	6	+11	+	8	+	9	+	5	+	9	−	4	0	0.73
89829	18 19 52.21	−29 16 32.4	8.72	2 H	274.967 530 65	−29.275 672 61	13.25	2.84	−47.16	1.24	0.88	1.41	1.83	1.17	−	6	−24	−20	+	2	+40	−10	+25	−47	+35	−10	0	0.58
89830	18 19 52.67	−46 26 27.1	8.74	H	274.969 447 23	−46.440 865 34	8.36	18.96	6.34	1.04	0.67	1.29	1.19	0.69	−	5	−22	+	0	+30	−44	−	4	−36	+	7	+	8	+15	0	−1.03
89831	18 19 53.76	−17 04 22.1	8.67	G	274.974 020 40	−17.072 793 62	2.01	−2.39	2.00	1.18	0.75	1.27	1.40	0.89	−	3	−44	−	7	+	8	+	9	−14	−	6	−55	+16	−22	0	−0.73
89832	18 19 53.86	−46 13 54.3	7.93	H	274.974 397 79	−46.231 739 22	2.27	−1.26	−13.39	0.79	0.51	1.02	0.89	0.55	+ 2	−31	−	6	+25	−32	+	3	−30	+11	+15	+15	0	−1.31
89833	18 19 55.43	+04 21 14.2	8.25	H	274.980 938 56	+04.353 952 18	2.33	3.99	3.24	0.86	0.64	0.96	0.87	0.69	−	4	−11	−29	−33	+	0	−	4	−	5	−46	+20	−12	0	1.28
89834	18 19 55.79	−37 40 59.2	9.19	H	274.982 475 99	−37.683 102 52	5.20	−5.17	−11.89	1.25	0.84	1.37	1.67	0.94	+19	−28	−37	+33	+13	−11	−14	−24	+26	−28	0	0.44
89835	18 19 56.10	+51 20 52.6	6.30	H	274.983 730 83	+51.347 947 69	7.95	−36.22	−51.42	0.50	0.37	0.50	0.58	0.47	−	2	−	7	−12	−	8	+	8	−	6	+	8	−17	−	2	+	4	0	0.16
89836	18 19 57.92	+23 40 17.0	8.74	H	274.991 327 22	+23.671 379 29	3.35	10.53	9.52	0.51	0.78	1.11	0.69	0.89	+ 9	−14	+	1	+24	+19	+12	+16	+18	+10	+19	0	0.35
89837	18 19 58.90	−51 13 21.7	9.85	H	274.995 399 62	−51.222 687 08	8.72	−63.82	−83.20	1.39	1.00	1.57	1.84	1.21	+11	−18	+	7	+10	−42	−	1	−35	−15	+	6	+33	0	0.09
89838 H	18 20 00.93	−43 54 21.7	9.57	H	275.003 879 33	−43.906 018 00	* 5.76	−25.99	−15.83	2.49	1.64	1.99	2.40	1.48	−16	−16	−	2	−	4	+	4	+	6	+	0	−35	+	5	−24	0	0.11
89839	18 20 01.15	+65 28 41.9	9.13	H	275.004 805 17	+65.478 309 31	1.92	−2.28	8.14	0.79	0.83	0.84	0.90	0.96	+	7	−21	−	8	−23	−	9	−	5	−	5	+	6	−10	−	1	3	−0.10
89840	18 20 01.72	−48 45 54.6	6.56	H	275.007 151 04	−48.765 174 87	5.16	−3.60	−27.54	0.67	0.45	0.76	0.71	0.45	−16	−31	−	4	+41	−36	−	3	−31	+13	−	3	−14	0	0.29
89841	18 20 02.57	−35 53 27.9	8.85	H	275.010 690 81	−35.891 086 03	5.92	−14.63	−46.10	1.27	0.85	1.34	1.40	0.85	+28	−29	−13	−16	−13	−10	−17	−47	−	7	+	6	0	0.03
89842	18 20 02.96	−17 03 32.1	9.37	G	275.012 331 11	−17.058 926 00	−0.71	−1.14	−1.75	1.38	0.91	1.49	1.58	1.03	−10	−26	−12	+	8	+	7	−14	−	2	−57	+19	−21	0	−1.03
89843	18 20 03.77	−40 45 58.1	8.88	H	275.015 703 23	−40.766 147 70	10.42	8.98	−48.30	1.08	0.71	1.35	1.53	1.00	−22	−11	+	4	−	2	−	3	−	1	−	4	−39	+23	−19	0	−0.34
89844	18 20 03.99	−09 35 42.6	6.92	H	275.016 608 79	−09.595 177 76	26.40	−92.15	−224.16	0.80	0.59	0.85	0.79	0.62	−18	−30	−19	+	0	−18	+	8	−13	+	5	−10	−43	3	0.65
89845	18 20 04.41	+29 26 53.0	8.03	H	275.018 378 76	+29.448 047 84	3.54	5.28	14.96	0.57	0.64	0.85	0.74	0.83	+ 1	−	4	−	2	+	8	+	3	−	7	+	3	+15	−	6	−	2	1	−1.19
89846 H	18 20 05.14	−07 58 52.7	6.54	G	275.021 402 10	−07.981 304 46	A 14.40	31.18	−10.16	0.99	0.76	0.97	0.91	0.72	+40	−15	−28	−11	−20	+	4	−19	−13	−10	+22	2	0.05
89847 H	18 20 06.84	+25 31 52.9	8.83	G	275.028 499 00	+25.531 365 51	A 5.43	4.31	6.68	1.53	1.87	2.25	1.67	2.07	+	4	−11	−	7	+	6	+10	−15	+	6	−13	+	5	+	9	2	0.81
89848	18 20 07.42	+34 06 35.9	10.90	2 H	275.030 918 05	+34.109 959 58	1.34	0.38	0.02	2.21	2.59	3.05	2.36	3.28	+ 8	−	6	−	5	−14	−	3	−13	−	4	−12	−	3	+12	0		
89849	18 20 07.46	+26 30 27.2	8.72	H	275.031 095 16	+26.507 558 04	2.25	−15.92	−29.98	0.68	0.89	1.18	0.90	1.19	+ 6	−	2	+	0	+	6	+12	+	5	+12	+	3	+	5	+11	0	−0.93
89850	18 20 07.72	+16 43 06.0	8.84	H	275.032 187 28	+16.718 343 93	3.74	−4.85	2.48	0.86	0.75	1.20	1.20	1.02	+ 1	+	1	+	0	+20	+35	+13	+32	+	7	+38	+13	0	1.58
89851	18 20 08.77	−15 49 53.8	5.39	H	275.036 535 19	−15.831 603 05	6.93	40.03	−38.66	0.72	0.45	0.78	0.67	0.47	+ 7	−46	−	2	+	6	−13	−	1	−15	−27	−10	−22	0	−1.98
89852	18 20 09.01	−34 46 28.8	7.89	H	275.037 546 15	−34.774 662 67	2.74	−0.39	−6.39	1.01	0.71	1.06	1.30	0.76	−17	−11	+	4	−	8	+	20	−15	+23	−48	−	6	−	5	0	1.45
89853	18 20 09.74	−22 10 54.6	9.34	1 H	275.040 566 64	−22.181 843 60	7.92	−9.64	0.08	1.48	1.06	1.55	1.86	1.27	−30	−	5	−31	−17	+53	−34	+43	−55	+34	−41	0	0.19
89854	18 20 11.24	+20 44 22.2	9.96	H	275.046 823 25	+20.739 510 96	5.12	−8.82	14.33	0.96	1.05	1.76	1.04	1.09	+21	−	9	−	6	+60	+29	−	9	+22	+29	+	0	+	4	0	0.83
89855	18 20 11.44	−45 55 18.7	7.34	H	275.047 676 86	−45.921 869 97	21.04	24.68	−155.03	0.71	0.47	0.88	0.80	0.52	+ 6	−31	−10	+19	−31	−	2	−33	−	1	+19	+	5	0	−0.60
89856	18 20 15.29	−14 50 48.8	8.76	G	275.063 718 58	−14.846 876 42	1.89	−0.25	−1.49	1.28	0.81	1.41	1.51	0.94	−	2	−29	−15	−13	+16	−18	+	3	−46	+	5	−38	0	0.44
89857	18 20 15.41	+54 28 11.0	9.12	H	275.064 215 73	+54.469 726 71	1.50	2.80	8.16	0.82	0.64	0.81	0.90	0.83	+ 1	−16	−14	+24	+	4	−20	+	3	+11	−	9	−	3	0	−0.35
89858	18 20 16.33	−77 40 18.9	8.94	2 H	275.068 054 83	−77.671 910 30	1.42	4.77	−3.90	0.70	0.91	1.05	0.70	1.19	−	1	−14	−	2	−12	+	3	+	7	+	2	+10	+	4	+	3	1	1.65
89859	18 20 16.82	−35 25 43.2	6.87	1 H	275.070 082 91	−35.428 679 42	1.41	−4.52	−6.41	0.82	0.56	0.90	0.95	0.56	−	3	−18	+	4	−	9	+18	−14	+15	−43	−12	−11	0	−0.19
89860	18 20 17.34	+61 25 53.6	8.71	H	275.072 259 21	+61.431 557 60	1.58	−1.47	8.16	0.73	0.66	0.74	0.90	0.85	+14	−14	−	9	+	9	+16	+	6	−	6	+25	+44	1	−0.64
89861	18 20 17.90	+21 57 41.2	4.92	1 H	275.074 598 30	+21.961 440 90	7.66	17.51	−59.29	0.43	0.41	0.62	0.48	0.45	+16	+10	+13	+51	+29	+	7	+28	+29	+	9	+13	0	−0.39
89862 H	18 20 18.19	+21 04 25.0	7.75	2 H	275.075 774 70	+21.073 611 00	A 2.84	−0.99	−8.24	1.37	1.91	1.38	0.95	1.01	+25	−	3	+	2	+53	+26	+	7	+37	+34	+10	+24	1	0.13
89863 H	18 20 18.22	−46 53 08.5	10.19	H	275.075 929 09	−46.885 692 16	A 2.34	−7.77	−20.27	4.07	2.85	4.57	4.47	2.99	+	5	−15	+	7	+	6	−37	+	2	−27	+	1	−	3	+44	1	−0.15
89864	18 20 18.67	−53 03 14.8	8.57	H	275.077 790 34	−53.054 103 85	2.64	1.26	−2.58	1.05	0.81	1.23	1.25	0.93	−23	−10	+	0	+33	−17	+	1	−13	−	1	+	6	−	9	0	0.15
89865	18 20 19.26	+65 19 18.6	7.97	G	275.080 244 71	+65.321 820 59	11.28	26.12	29.35	0.57	0.66	0.63	0.64	0.77	−	2	−12	−	2	−14	+	1	+	1	+	2	+	8	−12	−	4	0	−0.27
89866	18 20 19.45	−47 22 24.5	8.04	H	275.081 027 91	−47.373 468 40	1.90	−4.47	−6.31	0.79	0.50	0.95	0.85	0.49	−	1	−28	−	9	+31	−39	−	4	−34	+12	+	6	+	5	3	0.21
89867	18 20 19.62	+64 12 10.6	7.32	H	275.081 745 84	+64.202 943 98	3.34	0.27	18.88	0.50	0.55	0.55	0.53	0.60	+ 3	−12	+	2	+	9	+12	+	1	+14	−	1	−	3	+15	0	0.53
89868	18 20 20.43	−36 25 45.8	7.84	H	275.085 110 43	−36.429 385 23	2.67	16.17	−18.28	1.02	0.70	1.16	1.21	0.73	+22	−36	−31	+17	+	1	−22	−20	−26	+14	−27	0	−2.14
89869	18 20 20.68	−48 31 10.9	8.25	H	275.086 147 76	−48.519 696 75	3.49	6.25	−5.75	0.88	0.62	1.06	0.99	0.63	+ 1	−23	+10	+21	−32	−11	−28	−13	+	3	+	2	0	−0.65
89870	18 20 20.87	+33 47 06.6	8.40	H	275.086 954 14	+33.785 167 09	3.20	−7.32	3.63	0.60	0.72	0.85	0.63	0.87	+11	−10	−	9	+	0	−	3	−21	−	4	−22	+10	+15	0	−0.21
89871	18 20 21.14	−27 24 27.5	7.25	H	275.088 101 79	−27.407 652 06	5.18	18.50	−23.60	1.04	0.74	1.15	1.41	0.90	−26	−18	−32	−19	+46	−29	+25	−58	+36	−55	0	−1.28
89872	18 20 21.38	−56 12 56.4	6.94	H	275.089 070 47	−56.215 653 77	5.97	23.27	−10.33	0.71	0.52	0.87	0.86	0.62	−	5	−24	−	2	+	9	−33	+16	−31	−	6	+16	+13	0	−1.24
89873 H	18 20 22.14	−80 14 21.3	7.36	H	275.092 235 16	−80.239 247 20	A 4.30	1.16	−20.21	0.80	0.91	1.01	0.82	0.97	+ 7	−12	−	6	−	5	−15	−	1	−	9	+19	+	9	−11	1	0.31
89874 H	18 20 22.74	−10 11 13.3	10.59	2 H	275.094 764 98	−10.187 036 09	A 9.42	9.44	−32.59	13.13	11.17	6.17	8.36	5.93	+88	−11	−	5	−	2	+	4	−10	+	4	−	2	+	3	−16	2	0.52
89875	18 20 22.95	+06 32 39.2	8.27	G	275.095 644 84	+06.544 224 80	2.37	12.19	2.36	0.85	0.64	0.98	0.99	0.82	+ 1	−	8	−	1	−20	+	8	+15	+11	−21	−12	+12	0	2.40
89876	18 20 24.56	−82 30 19.5	7.64	H	275.102 319 53	−82.505 419 30	2.22	2.06	−25.61	0.56	0.64	0.78	0.62	0.78	−14	−23	+21	+	0	−10	−18	−	3	+	0	−15	−	9	0	−2.63	
*89877	18 20 25.40	+84 12 19.9	10.56	H	275.105 827 31	+84.205 524 86	15.27	122.86	203.93	1.02	1.12	1.18	1.22	1.39	+ 9	−22	−20	−13	−	2	+	0	−	3	−	8	+	2	+18	1	1.76
*89878	18 20 25.33	+28 59 00.7	6.61	H	275.105 531 19	+28.983 539 17	3.33	−0.95	−5.07	0.43	0.45	0.62	0.58	0.61	+ 1	+	2	−10	−10	+	4	−10	+	4	+	3	−11	−	4	0	0.07
*89879	18 20 26.61	−36 13 50.1	9.71	H	275.110 869 70	−36.230 586 11	7.54	17.40	−23.25	1.60	1.04	1.77	1.85	1.12	+11	−33	−	7	−	4	+	1	−	4	−	1	−33	−	9	−	6	0	0.55
*89880	18 20 26.60	−31 18 58.6	7.48	H	275.110 844 43	−31.316 282 53	8.41	4.30	23.16	0.85	0.47	0.90	0.88	0.50	+15	−45	−11	+24	−	1	+10	−	4	−11	+	0	+	1	0	0.71	
89881	18 20 26.87	−40 16 21.5	7.95	G	275.111 962 07	−40.272 639 27	9.37	−41.37	−25.75	0.91	0.62	1.18	1.29	0.90	−	7	−16	+	4	−11	−	4	+	5	−	5	−44	+30	+	7	0	1.09
89882	18 20 27.26	−54 02 38.6	8.69	H	275.113 589 80	−54.044 058 54	3.89	9.03	−13.66	1.33	0.90	1.49	1.43	0.99	+14	−38	−23	+14	−28	+	0	−35	−18	+29	+	2	0	0.53
89883	18 20 27.39	−32 48 05.0	9.34	H	275.114 110 97	−32.801 382 39	4.16	−78.43	−110.46	1.26	0.86	1.46	1.66	0.99	−	4	−26	−13	−13	+23	−26	+	8	−51	+14	−35	2	1.25
89884 H	18 20 27.79	−53 43 49.0	8.39	H	275.115 805 62	−53.730 280 22	* 5.17	2.62	−6.85	1.17	0.86	1.33	1.33	0.92	−10	−20	−18	+15	−35	+	8	−34	−12	+14	−11	0	1.17
89885 H	18 20 27.81	+20 55 08.0	8.68	H	275.115 870 28	+20.918 899 37	* 2.93	−1.77	−9.39	1.22	1.45	1.34	0.89	0.86	+19	−17	+	4	+57	+25	−11	+20	+27	+11	+	8	1	−0.45
89886	18 20 27.88	−66 04 42.9	10.76	3 H	275.116 176 08	−66.078 577 18	3.37	−0.98	−11.31	1.18	1.44	2.47	1.49	2.07	−	4	−30	−13	−	2	+20	+	7	+17	+22	−14	+37	3	3.92
89887	18 20 28.41	−44 04 36.8	7.18	2 H	275.118 394 64	−44.076 876 96	2.73	−3.11	−13.30	0.88	0.61	1.00	1.13	0.71	−	9	−29	−17	−	6	−	2	−17	−12	−42	+19	−34	0	0.66
89888	18 20 28.81	−56 45 42.2	8.82	H	275.120 041 22	−56.761 708 62	4.19	6.19	−20.34	1.02	0.76	1.26	1.14	0.82	−	7	−32	+	2	+21	−21	+	9	−22	+11	+11	−	6	0	−1.43
89889	18 20 28.96	+15 08 09.3	9.02	H	275.120 672 71	+15.135 925 01	4.08	10.51	5.59	0.82	0.84	1.45	1.20	1.15	−	9	−19	−	2	−	6	+	7	−32	+	3	−23	+15	−15	0	−0.11
89890	18 20 30.12	−49 54 40.3	9.05	H	275.125 494 02	−49.911 192 49	4.84	−3.24	−27.40	1.13	0.72	1.29	1.41	0.83	+ 0	−11	+	9	+40	−11	+13	−	7	+	6	+15	+17	2	−0.14	
89891	18 20 30.87	+39 52 40.9	8.31	H	275.128 604 31	+39.878 039 53	11.50	−14.65	14.07	0.59	0.61	0.76	0.60	0.74	+ 0	−	4	−	4	+	8	+	3	−17	+	2	−	7	+	9	−	4	0	0.07
89892	18 20 31.20	−14 21 40.0	10.72	G	275.130 008 18	−14.361 124 43	27.37	135.66	−170.41	2.34	1.69	2.95	3.51	2.00	−	4	+	5	−36	−23	+23	−51	+	1	−48	+31	−50	0	−0.42
89893	18 20 32.57	−20 12 58.5	7.90	G	275.135 694 71	−20.216 250 59	4.85	−22.41	−13.82	1.18	0.59	1.22	1.46	0.75	+33	−47	−32	+49	+32	−11	−	1	−25	+38	+	3	0	1.12
89894	18 20 34.10	+15 25 36.5	8.27	G	275.142 090 38	+15.426 812 20	6.98	4.13	0.34	0.75	0.68	1.17	1.00	0.88	+ 1	−25	+	1	+	7	+	6	−26	+	4	−23	+13	+	3	0	−1.27
89895	18 20 34.41	+31 04 00.6	7.86	H	275.143 373 34	+31.066 833 63	6.19	−10.80	−8.40	0.49	0.55	0.70	0.52	0.61	−	1	−14	−	2	+20	+

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
89801	9.108	0.012	8.900	0.014		0.199	0.017	T	0.22	0.02	L	8.9302	0.0022	0.026	187		8.89	8.97					1							
89802	9.812	0.021	9.269	0.020		0.509	0.026	T	0.58	0.03	L	9.2803	0.0016	0.024	103		9.24	9.32		C			1							
89803	11.133	0.061	10.250	0.044		0.772	0.058	T	0.81	0.04	L	10.3196	0.0034	0.027	107		10.26	10.36		C			1 S							G
89804	9.427	0.022	9.326	0.029		0.227	0.019	G	0.25	0.02	H	9.3090	0.0026	0.019	80		9.27	9.34					1 S							G
89805	6.880	0.004	6.243	0.004		0.584	0.004	G	0.65	0.02	A	6.2947	0.0011	0.009	139		6.28	6.31			18197−6353	I 1	1							S
89806	9.047	0.013	8.316	0.011	*	0.615	0.014	G	0.68	0.01	H *	8.3780	0.0015	0.014	115	*	8.35	8.41		D	18197+1016	I 1	2 C A	AB	103	0.388	0.006	1.04	0.03	
89807	9.064	0.015	7.112	0.007		1.654	0.014	T	1.92	0.05	O	7.0099	0.0027	0.019	86		6.98	7.03		U 2			1							S
89808	7.482	0.006	6.908	0.006		0.533	0.002	G	0.61	0.00	H	6.9628	0.0011	0.009	102		6.95	6.98		C			1 O							S
89809	9.392	0.025	9.158	0.031	*	0.223	0.038	T	0.25	0.04	L *	9.2414	0.0022	0.022	126	*	9.21	9.28		D	18197+1403	I 1	2 C A	AB	2	3.554	0.007	1.88	0.04	
89810	9.255	0.013	8.772	0.012	A	0.482	0.072	G	0.56	0.05	L *	8.8389	0.0040	0.024	144	A	8.80	8.88		D	18197+4453	I 2	1 C P A							S
89811	9.479	0.039	8.188	0.024		1.098	0.036	T	1.06	0.04	L	8.2376	0.0011	0.012	58		8.21	8.26					1							
89812	11.879	0.137	11.293	0.125	B						T *	11.5639	0.0407			B				D	18197+4453	I 2	1 C I A							
89813	9.720	0.017	8.673	0.012	*	0.886	0.015	G	0.89	0.01	H *	8.7063	0.0019	0.014	123	*	8.68	8.73		D	18197−4628	I 1	2 C A	AB	291	1.042	0.009	1.90	0.04	
89814	8.040	0.008	8.070	0.010		−0.020	0.015	G	0.00	0.01	H	8.0732	0.0011	0.009	110		8.05	8.09					1							S
89815	9.878	0.026	8.411	0.014		1.236	0.023	T	1.19	0.02	L	8.4690	0.0011	0.010	92		8.45	8.51					1							
89816	8.385	0.014	7.845	0.012	A	0.566	0.015	G	0.64	0.01	H *	7.7335	0.0110	0.117	63	*	7.69	8.25		U 2 C	18198−0458	I 1	2 C A	AB	207	3.195	0.007	1.53	0.04	S
89817	8.913	0.010	7.421	0.006		1.256	0.009	T	1.21	0.01	L	7.4511	0.0011	0.014	139		7.43	7.48		C			1							S
89818	10.372	0.031	8.613	0.014		1.500	0.015	G	1.50	0.09	H	8.5650	0.0024	0.019	105		8.53	8.60					1							
89819	8.356	0.008	8.237	0.009		0.115	0.011	T	0.13	0.01	L	8.2737	0.0012	0.015	139		8.24	8.31					1							S
89820	8.901	0.013	7.666	0.008		1.054	0.012	T	1.02	0.01	L	7.7248	0.0012	0.010	124		7.71	7.74		C			1							
89821	10.612	0.029	9.468	0.017		0.983	0.026	T	0.96	0.02	L	9.5303	0.0021	0.027	162		9.47	9.58					1 S							
89822	8.956	0.012	8.448	0.012		0.490	0.015	G	0.56	0.02	H	8.4911	0.0015	0.015	120		8.47	8.51		C			1							
89823	8.987	0.017	7.092	0.008		1.574	0.015	T	1.59	0.01	L	7.0742	0.0017	0.011	78		7.05	7.09					1 S							S
89824	8.224	0.008	8.189	0.009		0.032	0.011	T	0.05	0.01	L	8.2173	0.0016	0.018	155		8.19	8.25					1							
89825	11.548	0.103	9.870	0.035		1.350	0.019	G	1.59	0.01	A	9.7553	0.0024	0.022	78		9.72	9.80		C			1							G
89826	5.844	0.003	4.449	0.002		1.162	0.013	G	1.10	0.03	C	4.4951	0.0006	0.005	108		4.49	4.50		C			1							S
89827	7.727	0.006	6.154	0.003		1.319	0.005	T	1.28	0.01	L	6.1645	0.0007	0.007	141		6.15	6.18					1							S
89828	8.062	0.013	7.471	0.012		0.552	0.016	T	0.62	0.01	L	7.5211	0.0013	0.009	58		7.50	7.53		C			1							S
89829	9.579	0.030	8.823	0.026		0.675	0.030	T	0.73	0.03	L	8.8579	0.0044	0.035	62		8.79	8.91		U 2			1							
89830	9.178	0.013	8.770	0.013		0.386	0.017	T	0.45	0.02	L	8.8290	0.0021	0.016	126		8.80	8.86		C			1							
89831	8.992	0.027	8.670	0.030		0.320	0.015	G	0.37	0.02	H	8.7293	0.0014	0.015	73		8.70	8.75		C			1							D
89832	7.853	0.007	7.907	0.009		−0.046	0.010	T	−0.02	0.01	L	7.9227	0.0010	0.011	121		7.91	7.94		C			1							S
89833	8.394	0.010	8.271	0.011		0.119	0.014	T	0.13	0.01	L	8.2976	0.0015	0.013	90		8.27	8.32		C			1							
89834	9.808	0.028	9.242	0.026		0.534	0.028	T	0.61	0.03	L	9.3080	0.0027	0.019	72		9.27	9.34		C			1							
89835	7.738	0.007	6.429	0.004		1.112	0.006	T	1.07	0.01	L	6.4690	0.0008	0.007	108		6.45	6.48					1							S
89836	9.061	0.008	8.773	0.009		0.274	0.011	T	0.31	0.01	L	8.8127	0.0016	0.023	244		8.77	8.85					1							
89837	10.994	0.058	9.960	0.038		0.889	0.054	T	0.93	0.05	L	9.9955	0.0029	0.021	84		9.96	10.04		C			1							G
89838	10.266	0.031	9.639	0.029	*	0.579	0.031	T	0.65	0.03	L *	9.6961	0.0025	0.023	84	*	9.66	9.74		D	18200−4354	H 1	2 C A	AB	10	0.235	0.007	0.77	0.15	
89839	10.565	0.048	9.247	0.026		1.119	0.043	T	1.08	0.04	L	9.2945	0.0020	0.017	100		9.26	9.33					1							
89840	6.735	0.005	6.580	0.006		0.149	0.007	T	0.16	0.01	L	6.6139	0.0010	0.008	99		6.60	6.63					1							S
89841	9.425	0.023	8.910	0.022		0.493	0.024	T	0.57	0.03	L	8.9633	0.0030	0.018	53		8.94	8.99					1							
89842	9.653	0.024	9.358	0.028		0.296	0.015	G	0.34	0.02	H	9.4575	0.0030	0.019	69		9.41	9.49					1 S							D
89843	9.840	0.022	8.977	0.017		0.772	0.021	T	0.81	0.01	L	9.0295	0.0026	0.020	99		9.01	9.07					1							
89844	7.821	0.011	6.998	0.010		0.724	0.014	G	0.78	0.01	H	7.0638	0.0014	0.007	48		7.05	7.08					1							S
89845	8.021	0.007	8.023	0.009		0.003	0.010	T	0.02	0.01	L	8.0392	0.0013	0.014	143		8.02	8.07					1							S
89846	7.019	0.008	6.614	0.008	A	0.401	0.015	G	0.47	0.02	H *	6.6382	0.0018	0.010	54	*	6.62	6.66		D	18201−0759	I 1	2 C A	AB	243	1.787	0.013	2.72	0.03	S
89847	8.997	0.015	8.741	0.017	*	0.223	0.015	G	0.25	0.02	H *	8.8889	0.0013	0.019	161	*	8.85	8.93		D	18201+2532	I 1	2 C A	AB	351	3.593	0.006	0.62	0.02	
89848	12.165	0.163	11.057	0.098		0.955	0.148	T	0.94	0.11	L	11.0604	0.0042	0.044	122		10.98	11.14		U			1 X S							G
89849	10.671	0.032	8.893	0.013		1.560	0.015	G	1.53	0.01	J	8.8468	0.0018	0.024	148		8.81	8.89					1							
89850	9.014	0.013	8.874	0.015		0.135	0.019	T	0.15	0.02	L	8.8941	0.0017	0.018	111		8.87	8.93		D			1							
89851	7.315	0.007	5.559	0.004		1.473	0.004	G	1.49	0.01	H	5.5206	0.0010	0.006	79		5.51	5.53					1							S
89852	7.818	0.008	7.877	0.009		−0.050	0.010	T	−0.03	0.01	L	7.8843	0.0014	0.012	75		7.87	7.90					1							S
89853	10.376	0.048	9.480	0.038		0.782	0.047	T	0.82	0.03	L	9.4851	0.0027	0.024	80		9.42	9.53		U			1 S							G
89854	10.653	0.032	10.040	0.030		0.571	0.038	T	0.64	0.04	L	10.0850	0.0022	0.031	163		10.03	10.12					1							G
89855	8.267	0.010	7.426	0.008		0.759	0.001	G	0.80	0.00	H	7.4819	0.0011	0.011	114		7.46	7.50					1							S
89856	9.404	0.021	8.863	0.021		0.593	0.003	G	0.66	0.00	H	8.8941	0.0023	0.015	67		8.87	8.92					1 S							
89857	9.550	0.019	9.120	0.019		0.406	0.025	T	0.47	0.03	L	9.2118	0.0019	0.017	112		9.18	9.25		C			1							
89858	10.718	0.030	9.133	0.014		1.352	0.027	T	3.99	0.04	O	8.3842	0.0101	0.132	156		8.11	8.65		U 2			1 S							
89859	6.810	0.006	6.860	0.007		−0.041	0.008	T	−0.02	0.01	L	6.8636	0.0022	0.013	66		6.84	6.89		M			1							S
89860	9.923	0.021	8.769	0.014		0.991	0.020	T	0.97	0.02	L	8.8746	0.0017	0.016	103		8.84	8.90					1							
89861	7.028	0.005	5.118	0.003		1.594	0.011	G	1.82	0.03	C	5.0190	0.0011	0.012	147		5.00	5.05		U 2			1							S
89862	7.735	0.006	7.755	0.006	*	−0.014	0.007	T	0.01	0.01	L *	7.7586	0.0021	0.024	176	*	7.73	7.81	1.66	P 1 A	18203+2104	H 1	2 C C	AB	185	0.388	0.038	3.56	0.22	S
89863	11.266	0.063	10.569	0.055	A	0.646	0.126	G	0.71	0.11	R *	10.3270	0.0032	0.032	142	*	10.27	10.38		D	18203−4653	I 1	2 C A	AB	97	1.757	0.012	0.48	0.04	G
89864	10.107	0.031	8.720	0.017		1.173	0.028	T	1.13	0.03	L	8.7343	0.0030	0.017	73		8.71	8.76		C			1							
89865	8.540	0.012	8.028	0.011		0.506	0.015	G	0.58	0.02	H	8.0749	0.0012	0.010	95		8.06	8.10		C			1							S
89866	7.927	0.008	8.023	0.010		−0.089	0.003	G	−0.07	0.00	H	8.0190	0.0014	0.012	120		8.00	8.04					1							S
89867	8.383	0.011	7.411	0.007		0.853	0.010	T	0.87	0.01	L	7.4768	0.0013	0.010	112		7.46	7.50					1							S
89868	9.686	0.028	7.993	0.014		1.414	0.025	T	1.39	0.04	L	7.9806	0.0018	0.009	60		7.96	7.99		C			1							
89869	10.184	0.028	8.431	0.013		1.461	0.024	T	1.47	0.04	L	8.3833	0.0015	0.016	99		8.36	8.41					1							
89870	8.419	0.008	8.394	0.010		0.028	0.012	T	0.04	0.01	L	8.4193	0.0015	0.016	129		8.39	8.45		C			1							S
89871	9.054	0.024	7.416	0.012		1.371	0.021	T	1.34	0.03	L	7.3954	0.0013	0.013	82		7.37	7.42					1							S
89872	8.241	0.010	7.060	0.008		1.012	0.010	T	0.99	0.01	L	7.1048	0.0007	0.008	81		7.09	7.12		C			1							S
89873	8.740	0.009	7.498	0.006	A	1.000	0.495	G	1.01	0.01	L *	7.5237	0.0012	0.012	157	*	7.50	7.54		D	18204−8014	I 1	2 C B	AB	24	2.913	0.034	3.59	0.15	S
89874											T *	10.7471	0.0129	0.082	58	*	10.62	10.85		U 2	18204−1011	M 1	2 C A	AB	14	1.118	0.025	0.66	0.08	G P
89875	8.335	0.011	8.269	0.013		0.060	0.015	G	0.07	0.01	H	8.3002	0.0016	0.012	74		8.27	8.32		C			1							
89876	9.350	0.014	7.791	0.007		1.308	0.012	T	1.27	0.01	L	7.7933	0.0010	0.012	134		7.77	7.81		C			1							S
89877	11.440	0.081	10.719	0.064		0.648	0.078	T	0.71	0.07	L	10.6950	0.0037	0.032	109		10.65	10.76		C			1							G
89878	6.478	0.003	6.589	0.005		−0.096	0.005	T	−0.08	0.01	L	6.5793	0.0008	0.007	148		6.56	6.59					1							S
89879	10.532	0.068	9.803	0.057		0.654	0.067	T	0.72	0.06	L	9.8453	0.0051	0.022	50		9.81	9.89		C			1							G
89880	7.773	0.008	7.502	0.009		0.248	0.001	G	0.28	0.00	H	7.5483	0.0011	0.008	75		7.53	7.56		C			1							S
89881	9.103	0.015	8.044	0.011		0.877	0.004	G	0.89	0.00	H	8.1229	0.0015	0.012	91		8.11	8.15					1							
89882	10.007	0.027	8.804	0.017		1.029	0.025	T	1.00	0.02	L	8.8570	0.0025	0.017	65		8.83	8.88		C			1							
89883	10.042	0.038	9.428	0.037		0.569	0.039	T	0.64	0.04	L	9.4638	0.0022	0.018	75		9.43	9.49					1							
89884	9.303	0.018	8.487	0.015	*	0.737	0.018	T	0.78	0.01	L *	8.5348	0.0022	0.018	74	*	8.50	8.57		D	18205−5344	I 1	2 C S A	AB	98	0.193	0.009	0.54	0.36	
89885	8.862	0.010	8.714	0.012	*	0.142	0.015	T	0.16	0.01	L *	8.7283	0.0013	0.015	176	*	8.70	8.76		D	18205+2055	I 1	2 C A	AB	275	0.233	0.003	0.39	0.08	
89886	11.310	0.060	10.627	0.052		0.631	0.066	T	0.70	0.06	L	10.8826	0.0612	0.553	136		10.13	12.39	605.00	P 1 A			1							G P
89887	9.303	0.016	7.398	0.007		1.616	0.014	T	2.39	0.04	O	7.2068	0.0034	0.028	87		7.17	7.25		U 2			1							S
89888	10.355	0.036	8.975	0.020		1.168	0.032	T	1.13	0.03	L	8.9893	0.0028	0.019	72		8.96	9.02					1							
89889	9.610	0.017	9.074	0.016		0.543	0.015	G	0.62	0.01	H	9.1392	0.0018	0.018	100		9.11	9.17		C			1							
89890	9.422	0.019	9.079	0.021		0.332	0.031	T	0.39	0.04	L	9.1272	0.0022	0.018	83		9.10	9.16		C			1 S							
89891	8.855	0.012	8.361	0.011		0.475	0.015	G	0.55	0.02	H	8.4191	0.0013	0.013	121		8.39	8.45					1							
89892						1.116	0.008	G	1.20	0.01	I	10.8528	0.0056	0.040	55		10.79	10.92		C			1							G
89893	8.813	0.015	8.009	0.012		0.711	0.015	T	0.77	0.01	L	8.0356	0.0011	0.013	77		8.01	8.06					1							S
89894	8.653	0.010	8.303	0.011		0.324	0.006	G	0.38	0.01	H	8.3636	0.0015	0.016	110		8.33	8.39					1							
89895	8.078	0.008	7.879	0.009		0.190	0.011	T	0.21	0.01	L	7.9226	0.0011	0.012	153		7.89	7.94					1							S
89896	10.000	0.022	7.973	0.009		1.679	0.019	T	1.70	0.02	L	7.8506	0.0017	0.018	128		7.82	7.88		M			1							
89897	11.527	0.116	10.424	0.067		0.920	0.015	G	0.96	0.02	I	10.5253	0.0051	0.031	54		10.46	10.56		C			1							G
89898	6.711	0.003	6.770	0.005	*	−0.050	0.005	T	−0.03	0.01	L *	6.7883	0.0009	0.009	186	*	6.77	6.81		D	18206+2248	I 1	2 C A	AB	237	5.061	0.021	3.42	0.08	S
89899	10.288	0.020	8.311	0.008		1.639	0.017	T	1.66	0.02	L	8.2305	0.0021	0.023	223		8.19	8.26		U			1							
89900	10.310	0.025	9.784	0.025		0.494	0.032	T	0.57	0.03	L	9.8199	0.0027	0.025	140		9.76	9.87		U			1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)												Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ $\alpha*$	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr													%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
89901	18 20 42.07	+58 39 37.9	8.01	H	275.175 297 32	+58.660 531 28		5.07	4.61	−1.81	0.60	0.61	0.63	0.65	0.79	+ 0	+ 6	− 5	+19	+ 2	+18	+ 5	+23	+ 5	− 4		0	−0.94
89902	18 20 42.16	−59 50 23.5	6.99	H	275.175 658 42	−59.839 872 51		3.27	26.06	−4.22	0.69	0.50	0.76	0.78	0.54	−13	−31	− 9	+40	−15	− 7	−17	+ 4	+ 9	−18		0	1.11
89903	18 20 42.41	−52 03 11.8	11.91	H	275.176 700 42	−52.053 267 56	A	−2.27	−26.01	−25.95	9.93	7.04	10.45	13.09	8.70	+10	−13	+ 3	+23	−17	−10	−12	− 3	+18	+39		4	1.32
89904	18 20 42.57	−30 07 20.4	8.89	H	275.177 363 19	−30.122 333 25		3.64	−2.69	1.64	1.38	0.99	1.56	1.90	1.21	+31	−18	−23	− 1	− 3	− 9	−14	−55	+27	+18		0	−0.52
89905	18 20 43.91	+56 42 39.9	9.02	H	275.182 965 81	+56.711 092 40		2.78	−3.61	6.16	0.85	0.70	0.77	0.91	0.76	+22	−15	− 2	+29	+19	− 1	+20	+17	− 1	+32		0	−0.06
89906	18 20 45.13	−41 20 47.0	8.74	H	275.188 057 16	−41.346 376 24		3.10	4.16	−5.25	1.08	0.75	1.32	1.57	1.09	+ 4	−18	−14	−12	−26	− 6	−30	−45	+30	+ 1		0	−0.93
89907	18 20 45.31	−43 29 04.4	9.07	1 H	275.188 795 72	−43.484 566 92		2.30	9.37	−10.55	1.21	0.85	1.34	1.66	1.07	−33	−32	+13	−12	+27	+ 5	+21	−39	− 2	−42		0	0.74
89908	H 18 20 45.44	+71 20 15.8	4.22	1 G	275.189 338 31	+71.337 727 34	A	11.28	−5.91	35.79	0.72	0.59	0.48	0.54	0.57	− 7	−17	+ 2	−22	+ 9	− 8	+ 9	−21	−13	+ 4		1	1.22
89909	18 20 45.94	−00 25 45.4	8.38	H	275.191 428 59	−00.429 264 96		6.48	11.12	−4.97	0.80	0.58	0.92	0.87	0.68	+ 2	−29	−12	+ 0	+ 7	+24	+ 9	−18	+19	+24		0	−0.24
89910	18 20 47.83	−56 55 59.1	7.80	H	275.199 274 33	−56.933 079 26		−0.14	0.06	−5.14	0.77	0.56	0.94	0.82	0.61	−16	−33	+ 0	+26	−21	+11	−24	+11	+16	−10		0	−0.70
89911	18 20 49.13	+70 04 23.5	7.78	G	275.204 713 86	+70.073 205 70		15.07	36.50	−1.79	0.68	0.61	0.68	0.68	0.77	+ 0	−26	+ 9	−30	+ 8	−12	+ 5	+ 5	−11	+23		0	0.34
89912	18 20 49.23	+27 31 48.3	6.99	1 H	275.205 120 65	+27.530 073 21		33.99	40.83	106.26	0.44	0.53	0.69	0.53	0.65	− 1	−19	−19	−13	+11	− 2	+ 7	−27	+20	− 2		1	2.21
89913	18 20 50.24	+67 55 01.6	9.20	H	275.209 342 39	+67.917 108 75		2.31	−5.73	4.67	0.66	0.71	0.75	0.65	0.82	+ 2	−16	+ 8	− 7	−10	−10	−11	− 1	+ 0	− 5		1	−0.61
89914	18 20 51.44	+46 59 52.4	8.06	H	275.214 327 15	+46.997 879 78		3.85	−7.62	9.70	0.59	0.48	0.65	0.70	0.65	+ 2	− 5	−15	+14	+ 2	− 7	+ 0	−11	− 2	− 4		2	1.10
89915	18 20 51.89	−23 56 34.8	9.40	H	275.216 224 45	−23.942 993 39		−0.07	−1.08	−3.71	1.74	1.01	1.86	1.91	1.24	+22	−52	−23	+21	+16	−18	+10	−37	+10	+20		0	1.82
*89916	18 20 51.99	−62 56 45.9	8.31	H	275.216 639 99	−62.946 090 67		8.09	37.16	−77.52	0.78	0.74	1.06	0.84	0.76	+17	−21	−11	−31	+ 1	−10	+ 2	−35	−14	+32		0	−1.18
*89917	18 20 51.98	−19 55 52.6	8.98	H	275.216 593 14	−19.931 284 25		0.26	2.56	−5.72	1.32	0.78	1.53	1.61	0.92	+30	−47	−43	+36	+32	−31	−18	−47	+45	−29		2	−0.22
89918	18 20 52.06	+03 22 37.7	4.85	H	275.216 925 48	+03.377 144 67		12.11	1.71	8.45	0.88	0.58	0.83	0.85	0.65	−51	+15	−21	−29	+34	− 7	+42	−57	+28	−36		0	2.65
89919	18 20 53.52	+62 57 18.8	8.88	H	275.223 015 26	+62.955 228 46		3.81	−2.12	−5.79	0.78	0.75	0.80	0.91	0.82	+ 6	+ 7	− 8	+17	+12	− 5	+20	−28	+ 4	+28		1	1.45
89920	18 20 55.19	−37 29 15.5	6.46	H	275.229 953 61	−37.487 630 70		1.43	−1.66	−7.27	0.78	0.52	0.84	0.99	0.58	+ 4	−29	−22	+20	+14	−16	− 4	−27	+16	−29		0	0.00
89921	18 20 55.70	−61 50 27.0	9.72	H	275.232 073 86	−61.840 824 66		1.88	−2.86	−0.36	1.36	1.09	1.55	1.69	1.29	− 7	−23	−11	− 2	−28	− 9	−29	−13	+10	−18		0	−1.17
89922	18 20 55.73	−33 20 00.7	7.05	H	275.232 225 62	−33.333 531 21		5.84	6.07	−7.30	0.81	0.55	0.88	1.00	0.61	+12	−21	+ 1	− 9	−17	−11	−15	−41	− 7	+ 8		0	1.35
89923	18 20 55.99	+05 55 36.6	8.71	H	275.233 301 39	+05.926 825 53		4.22	−1.70	0.49	1.06	0.78	1.21	1.15	0.93	− 7	+ 3	− 2	− 5	+14	+19	+18	−14	+ 8	+16		0	1.01
89924	18 20 56.39	+12 31 57.9	10.30	H	275.234 959 15	+12.532 740 56		26.60	39.11	−259.65	1.42	1.26	1.91	1.86	1.64	−10	−21	−29	−31	+30	−17	+18	−46	+27	−35		0	0.28
*89925	18 20 56.97	+29 51 31.7	5.61	H	275.237 372 63	+29.858 793 87		17.36	0.69	54.10	0.40	0.45	0.60	0.52	0.54	+ 1	+ 2	+ 0	−14	+ 7	−20	+ 6	+ 1	− 4	+ 7		0	−0.88
*89926	18 20 56.96	+39 03 13.1	8.89	H	275.237 328 29	+39.053 629 43		2.61	−6.39	−20.77	0.69	0.72	0.91	0.82	0.93	+ 4	− 5	− 7	+13	+11	−13	+11	− 5	+13	+ 4		0	−1.40
89927	18 20 57.61	+41 19 35.7	9.77	H	275.240 045 01	+41.326 589 00		5.37	−141.94	−254.31	0.94	0.87	1.12	0.95	1.28	+ 8	− 8	+ 4	− 5	+ 4	− 3	+ 7	− 9	+ 7	+ 7		0	−0.65
89928	18 20 58.55	−63 15 00.1	8.46	H	275.243 941 02	−63.250 036 87		6.36	5.89	−96.70	0.83	0.84	1.13	0.89	0.85	+15	−10	+14	−23	+ 6	− 3	+10	−45	−13	+34		0	−0.21
89929	18 20 58.71	−28 42 25.6	8.33	H	275.244 619 52	−28.707 121 89		4.25	−0.60	−0.93	1.38	0.91	1.45	2.00	1.16	−10	−33	−24	+ 9	+49	−11	+28	−48	+28	−28		3	1.00
89930	18 20 59.20	+22 00 46.5	9.06	H	275.246 647 17	+22.012 930 12		2.58	−4.29	−7.37	0.77	0.84	1.18	0.80	0.87	+23	− 1	+ 9	+57	+36	+10	+35	+44	+ 4	+22		0	−0.49
89931	18 20 59.62	−29 49 40.9	2.72	H	275.248 423 37	−29.828 039 14		10.67	29.96	−26.38	0.84	0.60	0.93	1.20	0.78	−12	−11	−36	+20	+45	−17	+21	−46	+46	−38		0	−1.25
89932	18 21 00.12	−36 40 12.0	9.13	H	275.250 520 72	−36.669 987 07		11.10	−38.26	−23.36	1.23	0.79	1.32	1.54	0.95	− 4	−37	− 6	+ 7	+12	− 7	+ 9	−21	− 6	−20		0	−0.81
89933	18 21 00.30	−17 09 06.1	8.08	G	275.251 234 91	−17.151 706 30		1.26	−0.11	−1.16	1.13	0.70	1.21	1.30	0.86	− 1	−46	−10	+13	− 3	−10	− 6	−34	+ 8	− 5		0	1.87
89934	18 21 00.73	+08 37 42.2	8.06	H	275.253 059 24	+08.628 383 60		5.64	20.56	8.87	0.91	0.66	1.11	0.96	0.75	+24	−37	−11	−15	+ 4	+21	+ 4	−21	+11	+36		0	0.52
89935	18 21 01.02	+28 52 11.4	5.12	H	275.254 239 81	+28.869 835 16		11.79	4.01	48.81	0.39	0.44	0.60	0.54	0.62	+ 0	+ 4	− 9	−14	+ 3	−17	+ 2	+ 2	−14	− 3		0	0.86
89936	18 21 01.39	−43 46 29.6	6.65	G	275.255 771 26	−43.774 886 98		14.57	−16.91	21.12	0.81	0.51	0.88	0.96	0.60	−20	−41	− 4	+ 6	− 9	− 6	−14	−26	+ 7	−40		0	0.83
*89937	18 21 02.34	+72 44 01.3	3.55	H	275.259 745 72	+72.733 697 63	+	124.11	531.08	−351.59	0.49	0.48	0.48	0.49	0.46	+13	−30	+ 3	+ 4	+18	−10	+17	+ 6	− 9	+19		0	0.01
*89938	18 21 02.28	−15 13 50.4	6.94	H	275.259 506 56	−15.230 670 34		2.70	3.83	−5.21	1.00	0.62	1.11	1.00	0.68	+17	−49	−27	+ 3	− 1	+ 0	− 7	−22	− 3	−31		0	0.73
89939	18 21 02.58	+13 49 00.7	7.88	G	275.260 729 68	+13.816 855 04		4.20	−13.03	−7.89	0.62	0.59	1.01	0.96	0.89	−17	−10	−15	−12	+18	−12	+15	−16	+ 2	−29		2	−0.60
89940	18 21 03.64	+02 38 02.1	9.06	H	275.265 170 88	+02.633 925 18		2.27	0.83	19.27	1.07	0.78	1.16	1.16	0.95	−21	−19	− 7	−24	+10	+15	+ 8	−46	− 1	−32		0	0.16
89941	18 21 06.16	+20 56 05.3	7.48	H	275.275 680 08	+20.934 817 91		2.41	0.12	12.62	0.49	0.54	0.82	0.52	0.56	+21	− 3	− 4	+55	+28	+ 1	+25	+36	+ 4	+11		0	0.02
89942	18 21 06.73	+19 55 19.5	8.42	H	275.278 030 75	+19.922 086 00		2.52	7.71	3.74	0.72	0.72	0.96	0.72	0.69	−10	− 9	+16	+37	+37	+ 0	+36	+13	+12	− 4		0	−0.64
89943	18 21 07.15	+49 43 31.5	6.39	H	275.279 778 72	+49.725 408 51		4.88	0.66	23.51	0.46	0.36	0.48	0.52	0.47	+ 6	−16	− 8	+ 3	+ 6	+ 2	+ 7	− 5	− 1	+ 7		0	1.09
89944	18 21 08.01	−02 46 13.7	9.52	H	275.283 365 72	−02.770 478 31		9.53	8.83	2.48	1.29	1.00	1.45	1.46	1.19	+ 5	−12	−16	−11	+12	+21	+17	− 4	+ 0	+ 1		0	1.60
89945	18 21 08.88	−39 35 33.7	9.75	H	275.287 001 22	−39.592 687 15		3.42	3.83	−10.95	1.42	0.97	1.74	2.04	1.30	+15	−12	−16	+ 4	−20	+ 3	−19	−43	+29	+17		0	0.84
89946	18 21 09.06	−17 22 53.7	7.74	2 H	275.287 759 11	−17.381 573 22		0.64	−2.04	−1.19	1.11	0.72	1.18	1.32	0.86	+14	−30	− 9	+11	− 4	−15	−15	−41	+ 6	− 7		0	−0.32
89947	H 18 21 09.09	+28 20 03.2	8.77	H	275.287 892 77	+28.334 227 59	A	1.58	−2.91	−3.28	1.46	2.11	2.13	1.69	2.62	+ 7	− 4	−31	− 5	+ 4	− 3	+ 6	−16	− 4	+19		2	1.12
89948	18 21 09.49	−02 21 54.1	8.41	H	275.289 562 05	−02.365 022 37		4.52	−1.12	−11.32	0.92	0.74	1.08	0.80	0.70	+24	−39	−25	− 9	− 7	+11	− 5	− 7	+ 4	+ 4		0	0.93
89949	18 21 09.62	−74 40 22.1	8.77	H	275.290 077 98	−74.672 816 17		3.08	5.28	0.83	0.58	0.71	0.91	0.64	0.80	+ 4	− 6	+ 6	− 9	−12	−15	−13	−11	−10	−12		0	−0.95
89950	18 21 10.76	−62 11 33.6	7.89	H	275.294 822 95	−62.192 670 09		14.65	−37.13	−139.11	0.79	0.66	0.98	0.89	0.73	+14	−24	− 2	+ 7	−10	+ 5	−11	−16	+ 8	+16		4	−0.31
89951	18 21 11.56	−38 40 54.4	9.31	G	275.298 179 59	−38.681 784 52		10.53	−133.78	−184.41	3.26	2.25	3.46	4.58	2.65	−11	+ 5	−14	+17	+ 2	− 5	− 1	−25	− 3	−15		0	
89952	18 21 11.81	−49 08 36.5	9.10	G	275.299 217 68	−49.143 458 92		6.58	−36.15	0.42	1.13	0.73	1.31	1.23	0.75	− 3	−35	− 1	+40	−26	− 8	−19	+ 9	+ 0	+ 7		0	0.10
89953	18 21 11.82	+32 52 41.0	7.49	H	275.299 267 89	+32.878 045 20		14.46	−17.57	−74.99	0.55	0.63	0.75	0.67	0.94	+ 7	−16	− 8	+24	+ 0	−22	+ 1	−11	− 6	+16		0	0.83
89954	18 21 12.41	−26 05 06.4	6.91	H	275.301 692 13	−26.085 124 40		6.97	2.15	3.60	0.82	0.49	0.88	0.92	0.56	+ 5	−45	−15	+13	− 1	− 2	−11	−28	+ 7	−24		0	−0.11
89955	18 21 14.42	−39 01 18.1	6.77	1 H	275.310 086 30	−39.021 701 16		5.49	−16.74	−20.91	0.76	0.49	0.88	1.05	0.64	−14	− 5	−20	+25	+ 0	+ 6	+ 0	−20	+25	−10		0	−0.73
89956	18 21 14.89	−16 22 31.8	8.08	2 H	275.312 022 79	−16.375 486 60		2.02	1.18	−1.16	1.10	0.72	1.16	1.23	0.82	+ 5	−40	−11	+14	− 5	+ 0	− 9	−33	− 1	−12		0	−0.35
89957	18 21 15.08	+53 24 29.5	8.39	H	275.312 838 66	+53.408 190 00		1.95	5.21	−6.06	0.61	0.53	0.63	0.63	0.65	− 1	− 3	−13	+ 6	+20	−12	+23	+ 2	+ 0	− 1		3	−1.59
89958	18 21 15.37	+75 32 55.7	8.55	H	275.314 055 71	+75.548 816 99		1.68	2.69	−3.84	0.72	0.57	0.68	0.74	0.67	+ 1	−26	− 6	−30	+ 6	−10	+ 8	+14	−18	+ 5		0	−0.80
89959	18 21 15.85	+26 42 24.3	8.40	H	275.316 057 68	+26.706 754 89		13.57	3.65	−0.62	0.61	0.70	0.98	0.82	0.79	+ 2	+ 1	− 2	+ 8	+15	− 8	+13	+ 3	+ 7	+11		0	−0.13
89960	18 21 16.45	−30 56 29.1	6.99	1 H	275.318 550 29	−30.941 427 77		4.31	−2.34	−20.46	0.79	0.46	0.82	0.90	0.51	+10	−33	−16	+31	− 6	+13	− 7	− 8	− 2	− 5		0	−0.47
89961	18 21 18.60	+62 25 00.8	8.10	H	275.327 492 91	+62.416 895 93		2.69	3.94	4.53	0.73	0.65	0.76	0.85	0.80	+ 4	+ 1	− 6	+16	+16	+11	+18	+ 5	+28	+28		0	0.63
89962	18 21 18.92	−02 53 49.6	3.23	H	275.328 835 78	−02.897 122 00		52.81	−547.57	−700.72	0.63	0.49	0.75	0.61	0.50	− 6	−36	−30	−20	− 8	+14	+ 2	+ 2	−10	−35		0	1.65
89963	18 21 19.55	−16 22 26.1	8.36	2 G	275.331 451 76	−16.373 904 71		2.43	0.95	0.04	1.14	0.74	1.20	1.23	0.84	+ 5	−42	− 6	+17	− 4	+ 4	− 6	−26	− 1	− 5		0	−0.14
89964	18 21 19.59	+32 56 22.6	7.26	H	275.331 640 70	+32.939 598 55		5.28	8.82	13.42	0.53	0.62	0.75	0.66	0.91	+11	−16	− 7	+22	+ 3	−21	+ 2	− 5	− 1	+13		0	1.04
89965	18 21 20.60	+54 01 21.5	8.56	H	275.335 851 99	+54.022 639 17		3.19	6.71	15.04	0.69	0.55	0.66	0.70	0.71	− 4	− 4	−11	+ 4	+14	+ 0	+18	+ 6	− 7	− 3		0	0.64
89966	18 21 22.08	+28 44 56.0	8.53	H	275.341 995 36	+28.748 876 88		10.69	11.62	−9.09	0.65	0.78	1.01	0.83	1.18	+ 4	+ 0	+ 1	− 8	− 1	− 1	+ 0	−19	− 8	+15		1	0.49
89967	18 21 22.88	−03 06 23.1	7.62	H	275.345 313 95	−03.106 416 00		4.52	27.50	−20.40	0.86	0.64	0.96	0.91	0.77	+19	−44	−23	− 5	− 5	+11	− 1	+ 2	− 3	+ 2		0	−0.32
89968	18 21 22.99	−18 51 35.9	5.76	3 T	275.345 785 27	−18.859 983 65		2.52	−2.76	−6.48	0.88	0.49	0.93	0.92	0.59	− 1	−52	−23	+26	+16	−11	−12	−29	+29	−38		0	−2.19
89969	18 21 25.06	−74 22 27.5	8.56	H	275.354 421 66	−74.374 307 16		8.52	−2.92	−79.80	0.59	0.76	1.02	0.62	0.81	− 4	− 8	− 5	+ 2	−18	−10	−18	− 1	−13	−19		0	−1.13
89970	18 21 25.85	−34 44 36.5	9.18	H	275.357 725 66	−34.743 480 76		6.80	−8.59	−62.58	1.47	1.09	1.52	1.81	1.16	+31	−17	+14	−15	−21	− 9	−17	−53	−20	+33		0	3.72
89971	18 21 25.92	+74 02 52.9	8.06	H	275.357 990 73	+74.048 039 92		3.27	7.88	3.88	0.55	0.53	0.59	0.52	0.61	+ 1	−22	− 1	+ 0	+ 7	−21	+ 9	+21	−17	+15		3	2.16
89972	H 18 21 26.11	+18 10 25.7	10.29	2 H	275.358 791 56	+18.173 805 22	*	0.00	−0.68	−2.97	3.29	3.61	2.36	1.98	2.14	−20	+ 7	− 4	−12	+22	−17	+26	−20	+ 9	− 1		2	0.07
89973	18 21 26.38	−08 16 57.7	10.49	H	275.359 934 57	−08.282 703 87		6.90	−9.05	13.88	1.83	1.42	2.00	1.72	1.37	+39	−42	−31	− 9	+10	+ 2	− 7	+ 0	− 1	+ 9		0	2.04
89974	18 21 27.69	+58 51 19.6	8.69	H	275.365 368 15	+58.855 441 46		13.14	−129.97	209.96	0.70	0.69	0.72	0.80	0.87	+ 3	+ 9	− 6	+29	+ 5	+14	+ 6	+19	− 7	+ 0		0	−0.23
*89975	18 21 27.77	+25 03 24.4	6.99	H	275.365 695 54	+25.056 764 85		1.95	3.74	5.19	0.40	0.48	0.67	0.48	0.55	+ 6	−11	− 4	+25	+16	+ 0	+14	+15	+11	+ 8		0	−0.65
*89976	H 18 21 27.76	+13 18 22.3	8.62	H	275.365 676 86	+13.306 191 51	A	2.10	−4.32	−24.58	1.39	1.12	1.71	1.70	1.41	+36	−52	−24	−10	+ 1	+13	− 6	−16	+21	+ 4		1	−0.04
89977	18 21 28.40	+05 26 08.7	6.14	2 H	275.368 344 67	+05.435 745 51		0.97	−3.12	−8.05	0.69	0.56	0.83	0.96	0.67	− 5	−14	−30	−24	+15	+16	+ 9	−41	+14	−28		2	2.82
89978	18 21 29.49	+51 18 04.1	6.65	H	275.372 860 63	+51.301 144 27		4.11	−7.96	−21.96	0.54	0.41	0.53	0.64	0.52	− 5	+ 0	−19	−10	+17	−12	+16	−12	+12	+ 1		0	−1.45
89979	18 21 29.69	−51 16 41.2	10.04	H	275.373 688 05	−51.278 112 46		3.45	−2.42	−6.29	1.65	1.22	1.93	2.16	1.56	+11	−24	+15	+18	−33	− 7	−25	−11	+ 4	+41		0	−1.45
89980	18 21 31.36	−24 54 55.0	6.19	2 H	275.380 683 95	−24.915 271 08	*	2.80	4.44	−2.15	1.25	0.79	1.11	1.16	0.70	−14	−19	−19	+ 0	+28	−23	+13	−46	+21	−30		0	0.54
89981	18 21 32.68	+49 07 17.3	5.02	2 H	275.386 186 55	+49.121 469 45		4.32	−24.18	51.06	0.43	0.35	0.47	0.50	0.48	+ 5	−14	− 5	+ 7	+ 2	+ 9	+ 4	− 7	−17	+ 1		1	−1.26
89982	18 21 33.44	+52 54 07.8	7.79	H	275.389 348 66	+52.902 167 43		3.80	1.70	1.14	0.56	0.47	0.58	0.56	0.57	+ 1	− 3	− 9	− 1	+13	−15	+15	− 1	− 6	+ 9		1	0.15
89983	18 21 33.94	+78 03 30.7	10.61	H	275.391 423 74	+78.058 520 82		2.56	−4.53	3.29	0.96	1.00	1.06	1.09	1.24	+ 2	− 1	− 6	+11	+ 5	− 8	+ 4	− 1	−16	− 5		3	2.61
89984	18 21 34.41	−33 31 48.9	7.64	H	275.393 382 83	−33.530 251 82		2.57	0.75	−6.23	0.95	0.62	1.02	1.29	0.76	+20	−28	− 1	+ 3	−14	− 6	−12	−35	+ 6	+27		0	1.31
89985	18 21 34.71	−31 59 39.8	9.47	1 G	275.394 610 68	−31.994 400 35		3.24	2.15	−6.52	1.15	0.71	1.28	1.39	0.79	+ 2	−23	−25	+20	− 1	+ 5	−10	−22	+13	−22		0	−1.32
89986	18 21 35.70	−01 32 14.4	9.46	H	275.398 729 71	−01.537 321 31		12.33	−79.62	−147.49	1.28	1.00	1.44	1.10	0.94	+20	−36	−21	−22	− 9	+ 3	− 7	−13	− 2	+ 7		0	−0.43
89987	18 21 37.20	−54 11 22.0	8.89	H	275.405 007 22	−54.189 451 03		0.12	−14.67	−13.45	1.28	0.97	1.50	1.42	1.06	+13	−33	−18	+ 5	−31	+ 5	−34	−25	+18	+ 4		0	−2.27
89988	18 21 37.38	−03 52 29.5	8.02	G	275.405 753 89	−03.874 869 46		5.78	20.78	4.11	0.91	0.66	1.02	0.97	0.79	+ 6	−36	−16	− 3	− 9	+12	+ 0	+10	−19	+ 3		3	1.48
89989	H 18 21 38.33	+68 54 53.4	9.14	H	275.409 728 44	+68.914 821 40	A	3.76	−7.21	17.66	1.41	1.33	1.40	1.53	1.57	−21	− 5	+32	−23	−15	+13	−25	− 8	−34	−29		1	0.48
89990	H 18 21 40.04	+09 01 49.0	9.40	2 H	275.416 833 51	+09.030 274 44	A	3.33	0.05	4.30	9.04	7.40	4.78	4.28	3.35	+19	−29	−22	−29	−15	+20	−23	−43	+10	+26		0	0.00
89991	18 21 42.45	−53 31 06.1	8.35	H	275.426 874 22	−53.518 353 95		2.62	−2.18	−20.91	1.07	0.83	1.22	1.17	0.88	−11	−28	−11	+19	−39	+ 8	−37	− 9	+11	− 8		0	0.70
89992	18 21 43.11	−17 53 51.3	8.87	H	275.429 643 39	−17.897 594 78		1.32	−2.11	−0.43	1.57	0.98	1.65	1.88	1.30	+19	−51	−12	+ 0	−29	+ 3	−28	−46	+21	+32		3	−0.11
89993	18 21 44.06	+26 54 50.7	10.24	H	275.433 568 14	+26.914 082 32		−1.28	1.10	−6.85	0.98	1.13	1.55	1.35	1.38	+17	+ 7	+ 6	+18	+16	+ 4	+15	+ 3	+19	+19		0	−0.86
89994	H 18 21 44.75	+23 55 49.9	8.89	H	275.436 476 92	+23.930 540 90	*	2.16	8.72	6.30	0.61	0.86	1.27	0.76	0.94	+16	−10	−17	+24	+18	+ 8	+17	+16	+ 6	+12		0	0.61
89995	18 21 44.82	−53 44 07.3	8.73	H	275.436 770 10	−53.735 358 58		4.42	−1.88	−8.34	1.33	0.92	1.49	1.38	0.97	+13	−34	−32	+23	−33	+13	−37	−18	+22	+ 0		0	−0.75
89996	H 18 21 46.14	−55 26 00.1	9.10	H	275.442 240 13	−55.433 354 95	*	3.13	0.40	−12.31	1.19	0.91	1.45	1.41	1.02	−20	−17	− 2	+ 8	−33	+ 8	−32	+ 2	+14	−10		0

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
89901	8.502	0.012	8.057	0.011		0.438	0.015	G	0.51	0.02	H	8.1048	0.0014	0.013	110		8.08	8.13					1							S
89902	6.826	0.004	6.962	0.007		−0.114	0.001	G	−0.10	0.00	H	6.9517	0.0011	0.009	85		6.94	6.97		C			1							S
89903											T	12.0522	0.0473	0.102	71	A	11.92	12.35		D	18207−5203	H 1	2 C B	AB	80	13.583	0.049	0.58	0.12	D
89904	11.151	0.122	9.157	0.037		1.653	0.101	T	1.68	0.10	L	9.0003	0.0021	0.017	65		8.98	9.04		C			1							
89905	10.264	0.026	9.126	0.016		0.979	0.024	T	0.96	0.02	L	9.1823	0.0021	0.020	120		9.15	9.22		C			1							
89906	9.894	0.024	8.834	0.016		0.919	0.022	T	0.92	0.02	L	8.9005	0.0019	0.022	116		8.87	8.93					1							
89907	9.495	0.018	9.115	0.019		0.371	0.022	T	0.43	0.02	L	9.1554	0.0026	0.022	83		9.11	9.19		U			1							
89908	4.132	0.002	4.215	0.002	*	−0.093	0.007	G	−0.11	0.03	C *	4.2004	0.0017	0.012	103	*	4.18	4.21	1.72	P 1 A	18208+7120	I 1	2 C A	AB	274	0.382	0.002	1.45	0.01	S P
89909	8.766	0.013	8.415	0.014		0.333	0.018	T	0.39	0.02	L	8.4644	0.0013	0.013	83		8.43	8.50					1							
89910	7.689	0.008	7.782	0.010		−0.080	0.012	T	−0.06	0.01	L	7.7768	0.0012	0.008	79		7.76	7.79					1							S
89911	8.375	0.012	7.835	0.010		0.521	0.015	G	0.59	0.02	H	7.8915	0.0014	0.009	85		7.87	7.91					1							S
89912	7.759	0.005	7.070	0.005		0.636	0.006	T	0.70	0.01	L	7.1262	0.0010	0.013	161		7.11	7.15		M	18208+2732	I 1	1							S
89913	10.503	0.037	9.309	0.021		1.022	0.033	T	1.00	0.03	L	9.3639	0.0015	0.019	106		9.33	9.39		C			1							
89914	9.584	0.016	8.179	0.009		1.187	0.014	T	1.15	0.01	L	8.2250	0.0013	0.014	122		8.20	8.25					1							
89915	11.443	0.139	9.637	0.051		1.534	0.122	T	2.49	0.21	O	9.4264	0.0033	0.021	72		9.38	9.46					1 S							G
89916	8.913	0.013	8.370	0.012		0.518	0.010	G	0.59	0.01	H	8.4277	0.0014	0.016	124		8.40	8.45					1							
89917	9.221	0.019	9.057	0.024		0.157	0.029	T	0.17	0.03	L	9.0351	0.0023	0.017	72		9.00	9.06		C	18209−1956	I 1	1 S							
89918	6.007	0.004	4.952	0.003		0.911	0.003	G	0.90	0.02	A	5.0124	0.0007	0.005	81		5.00	5.02		C	18209+0323	I 1	1							S
89919	10.190	0.036	8.950	0.021		1.058	0.033	T	1.02	0.03	L	9.0440	0.0017	0.015	80		9.02	9.07		C			1							
89920	8.148	0.010	6.584	0.006		1.315	0.004	G	1.28	0.01	H	6.6114	0.0008	0.006	71		6.60	6.62					1							S
89921	11.062	0.072	9.793	0.040		1.310	0.020	G	1.27	0.02	I	9.8451	0.0031	0.022	76		9.81	9.89		C			1							
89922	7.247	0.008	7.073	0.008		0.167	0.011	T	0.18	0.01	L	7.1108	0.0011	0.009	70		7.10	7.13		C			1							S
89923	10.008	0.031	8.852	0.020		0.993	0.029	T	0.97	0.02	L	8.8806	0.0024	0.016	63		8.84	8.93		C			1							
89924	11.585	0.086	10.277	0.042		1.425	0.218	G	1.73	0.56	I	10.3867	0.0046	0.031	96		10.33	10.43					1							G
89925	5.903	0.003	5.639	0.003		0.231	0.011	G	0.27	0.03	C	5.6804	0.0006	0.007	132		5.67	5.69		C			1							S
89926	9.508	0.017	8.939	0.016		0.532	0.021	T	0.60	0.02	L	9.0079	0.0024	0.019	113		8.98	9.05					1							
89927	10.474	0.036	9.811	0.031		0.615	0.040	T	0.68	0.04	L	9.8949	0.0029	0.027	107		9.86	9.96					1 S							
89928	9.775	0.022	8.593	0.014		1.013	0.020	T	0.99	0.02	L	8.6280	0.0020	0.019	135		8.60	8.66					1							
89929	10.194	0.048	8.535	0.022		1.160	0.040	G	1.12	0.04	R	8.5003	0.0027	0.017	67		8.48	8.53			18210−2843	I 1	1							
89930	9.412	0.015	9.099	0.016		0.297	0.021	T	0.34	0.03	L	9.1387	0.0018	0.021	150		9.11	9.17		C			1							
89931	4.523	0.003	2.860	0.004		1.380	0.000	G	1.35	0.00	H	2.8654	0.0009	0.005	67		2.86	2.88			18210−2950	I 1	1							S
89932	9.680	0.036	9.194	0.037		0.469	0.040	T	0.54	0.04	L	9.2330	0.0023	0.018	63		9.20	9.27		C			1							
89933	8.440	0.013	8.157	0.014		0.307	0.001	G	0.35	0.00	H	8.1664	0.0018	0.015	67		8.15	8.20					1							
89934	8.363	0.010	8.113	0.011		0.238	0.014	T	0.27	0.02	L	8.1274	0.0019	0.020	100		8.09	8.16					1							S
89935	5.378	0.002	5.150	0.002		0.212	0.003	T	0.23	0.00	L	5.1845	0.0007	0.006	133		5.17	5.19					1							S
89936	6.993	0.005	6.680	0.005		0.276	0.002	G	0.31	0.00	H	6.7371	0.0008	0.007	92		6.73	6.75		C			1							S
89937	4.169	0.003	3.624	0.002		0.489	0.005	G	0.62	0.04	G	3.6666	0.0005	0.003	110		3.66	3.67			18211+7245	I 1	1 O							S
89938	9.265	0.022	7.130	0.009		1.760	0.015	G	1.74	0.01	J	7.0378	0.0009	0.008	58		7.02	7.05		C			1							S
89939	8.038	0.007	7.893	0.010		0.115	0.006	G	0.13	0.01	H	7.9161	0.0009	0.012	109		7.90	7.94					1							S
89940	11.486	0.086	9.327	0.022		1.880	0.015	G	1.89	0.09	H	9.1470	0.0021	0.019	101		9.11	9.18					1							
89941	7.532	0.004	7.476	0.005		0.056	0.006	T	0.07	0.01	L	7.5026	0.0011	0.010	172		7.49	7.52		C			1							S
89942	8.665	0.010	8.451	0.012		0.204	0.015	T	0.22	0.02	L	8.4851	0.0014	0.015	128		8.46	8.51					1							
89943	7.788	0.008	6.513	0.005		1.086	0.007	T	1.05	0.01	L	6.5627	0.0007	0.008	124		6.55	6.57		C			1							S
89944	10.252	0.046	9.706	0.046		0.512	0.058	T	0.58	0.06	L	9.6306	0.0040	0.024	51		9.59	9.67		C			1							G
89945	10.195	0.033	9.771	0.034		0.414	0.039	T	0.48	0.04	L	9.8438	0.0035	0.025	88		9.81	9.88		C			1							G
89946	8.296	0.015	7.825	0.015		0.478	0.017	G	0.55	0.02	H	7.8482	0.0033	0.019	64		7.82	7.89		U 2			1							S
89947	8.705	0.018	8.496	0.020	*	0.200	0.025	T	0.22	0.03	L *	8.8394	0.0022	0.021	151	*	8.79	8.88		R	18212+2820	I 1	2 C A	AB	340	1.642	0.006	0.75	0.02	
89948	8.608	0.013	8.431	0.015		0.170	0.019	T	0.19	0.02	L	8.4708	0.0023	0.016	56		8.45	8.51					1							
89949	8.901	0.012	8.772	0.014		0.117	0.017	T	0.13	0.02	L	8.8091	0.0018	0.022	166		8.77	8.84					1							
89950	8.425	0.010	7.935	0.011		0.453	0.015	G	0.52	0.02	H	7.9924	0.0016	0.014	94		7.97	8.02		C			1							S
89951	10.107	0.033	9.409	0.029		0.623	0.004	G	0.69	0.00	H	9.4323	0.0032	0.020	70		9.40	9.46		C			1 X							
89952	9.780	0.022	9.186	0.020		0.554	0.002	G	0.63	0.00	H	9.2283	0.0018	0.015	97		9.20	9.26		C			1							
89953	7.982	0.008	7.537	0.008		0.420	0.010	T	0.49	0.01	L	7.5897	0.0011	0.012	119		7.57	7.62					1							S
89954	7.209	0.007	6.944	0.008		0.249	0.011	T	0.28	0.01	L	6.9773	0.0011	0.007	78		6.97	6.99		C			1							S
89955	6.938	0.006	6.805	0.007		0.128	0.009	T	0.14	0.01	L	6.8210	0.0029	0.021	79		6.79	6.86	4.80	P 1 A			1							S P
89956	9.981	0.034	8.389	0.016		1.334	0.030	T	1.30	0.04	L	8.1942	0.0131	0.071	74		8.10	8.36		U 2			1							P
89957	8.663	0.010	8.413	0.011		0.238	0.014	T	0.27	0.02	L	8.4588	0.0016	0.015	115		8.43	8.49					1							
89958	8.608	0.010	8.558	0.013		0.051	0.015	T	0.06	0.01	L	8.5758	0.0014	0.013	108		8.56	8.61					1							
89959	9.033	0.011	8.458	0.011		0.540	0.012	T	0.61	0.01	L	8.5231	0.0016	0.017	151		8.48	8.56		C			1							
89960	7.019	0.006	6.994	0.008		0.023	0.009	T	0.04	0.01	L	7.0039	0.0020	0.015	79		6.98	7.02		U 2			1							S
89961	10.093	0.025	8.255	0.011		1.529	0.022	T	1.57	0.05	L	8.2196	0.0020	0.016	92		8.19	8.25					1							
89962	4.449	0.005	3.352	0.003		0.941	0.006	G	0.96	0.02	A	3.3995	0.0007	0.004	51		3.39	3.41		C	18214−0253	I 1	1							S
89963	10.032	0.037	8.576	0.020		1.227	0.033	T	1.19	0.03	L	8.4663	0.0034	0.038	73		8.41	8.56		U 2			1 S							
89964	8.561	0.010	7.378	0.007		1.014	0.010	T	0.99	0.01	L	7.4234	0.0010	0.009	120		7.41	7.44		C			1							S
89965	9.741	0.019	8.655	0.013		0.939	0.018	T	0.93	0.01	L	8.7228	0.0015	0.013	116		8.69	8.75		C			1							
89966	8.997	0.014	8.565	0.014		0.417	0.015	G	0.48	0.02	H	8.6216	0.0021	0.017	138		8.59	8.65		C			1							
89967	8.867	0.021	7.727	0.014		0.980	0.020	T	0.96	0.02	L	7.7882	0.0014	0.011	57		7.77	7.82		C			1							S
89968	6.827	0.061	5.858	0.039		0.670	0.020	G	0.80	0.02	A	5.8554	0.0558	0.310	72		5.50	6.24	5.77	P 1 A			1 S							S
89969	9.097	0.011	8.599	0.011		0.480	0.012	T	0.55	0.01	L	8.6639	0.0015	0.016	168		8.64	8.70		C			1							
89970	10.014	0.031	9.278	0.026		0.674	0.032	T	0.73	0.03	L	9.3148	0.0033	0.019	63		9.28	9.36		C			1							
89971	8.099	0.007	8.061	0.008		0.040	0.010	T	0.06	0.01	L	8.0839	0.0012	0.012	117		8.07	8.11		C			1							S
89972	10.437	0.039	10.261	0.050	*	0.169	0.059	T	0.18	0.06	L *	10.3461	0.0041	0.040	99	*	10.26	10.49		U 2	18214+1810	H 1	2 C A	AB	318	0.298	0.017	1.16	0.16	G
89973	11.392	0.102	10.557	0.080		0.787	0.020	G	0.83	0.02	H	10.6291	0.0035	0.024	50		10.56	10.67					1							G
89974	9.507	0.022	8.755	0.019		0.687	0.023	T	0.74	0.02	L	8.8285	0.0015	0.015	116		8.80	8.86					1							
89975	6.869	0.003	6.974	0.005		−0.090	0.005	T	−0.07	0.01	L	6.9681	0.0010	0.012	187		6.95	6.99					1							S
89976	9.029	0.015	8.639	0.015	A	0.126	0.140	G	0.18	0.07	L *	8.6761	0.0022	0.016	96	*	8.65	8.70		C	18215+1318	H 1	2 C D	AB	22	1.503	0.040	3.46	0.18	D
89977	6.085	0.004	6.142	0.005		−0.048	0.006	T	−0.03	0.01	L	6.1325	0.0032	0.022	78		6.10	6.17		U 2			1 G							S
89978	8.460	0.013	6.801	0.006		1.387	0.011	T	1.36	0.01	L	6.7941	0.0011	0.010	105		6.78	6.81					1							S
89979	10.665	0.043	10.012	0.040		0.606	0.050	T	0.68	0.04	L	10.1746	0.0029	0.025	85		10.11	10.21		C			1							G
89980	8.617	0.016	6.461	0.007		1.823	0.014	T	3.17	0.04	O	6.0398	0.0116	0.070	75		5.96	6.20		U 2			1 V							S
89981	7.186	0.007	5.221	0.004		1.619	0.026	G	2.03	0.05	F	5.0955	0.0028	0.022	102		5.07	5.14		U 2			1 S							S
89982	7.778	0.008	7.780	0.010		0.003	0.012	T	0.02	0.01	L	7.7955	0.0012	0.010	116		7.78	7.82		C			1							S
89983	11.200	0.066	10.904	0.087		0.552	0.072	G	0.62	0.07	R	10.7317	0.0038	0.029	111		10.68	10.77		C			1							G
89984	9.642	0.024	7.831	0.011		1.507	0.021	T	1.54	0.03	L	7.7673	0.0019	0.013	68		7.75	7.79					1							
89985	11.505	0.132	9.629	0.038		1.640	0.243	G	1.71	0.29	K	9.3804	0.0034	0.030	87		9.33	9.42		U			1							G
89986	10.376	0.039	9.538	0.031		0.738	0.002	G	0.78	0.00	H	9.5950	0.0037	0.020	60		9.57	9.62					1							G
89987	10.200	0.031	9.013	0.020		1.081	0.011	G	1.04	0.01	K	9.0605	0.0025	0.019	68		9.03	9.09		C			1							
89988	8.548	0.012	8.069	0.011		0.451	0.015	T	0.52	0.02	L	8.1281	0.0015	0.010	54		8.09	8.15					1							
89989	9.665	0.022	9.293	0.023	*	0.352	0.030	T	0.41	0.03	L *	9.2236	0.0015	0.016	98	*	9.20	9.25		R	18216+6855	I 1	2 C A	AB	304	1.053	0.007	1.25	0.03	
89990	10.085	0.028	9.481	0.025	*	0.563	0.033	T	0.64	0.03	L *	9.5206	0.0042	0.037	109	*	9.47	9.59	1.00	P 1 A	18217+0902	H 1	2 C C	AB	315	0.323	0.114	3.11	0.45	
89991	9.802	0.026	8.455	0.016		1.142	0.024	T	1.11	0.03	L	8.5133	0.0019	0.015	77		8.49	8.55		C			1							
89992	9.188	0.023	8.933	0.027		0.441	0.005	G	0.51	0.01	H	8.9714	0.0025	0.016	49		8.95	9.00		C			1							
89993	11.956	0.117	10.340	0.041		1.353	0.098	T	1.32	0.11	L	10.3979	0.0029	0.034	139		10.33	10.45					1							G
89994	9.515	0.012	8.953	0.012	*	0.526	0.015	T	0.60	0.02	L *	9.0018	0.0015	0.020	222	*	8.96	9.04		D	18217+2356	I 1	2 C S A	AS	253	0.190	0.005	0.26	0.12	
89995	9.252	0.019	8.766	0.019		0.457	0.024	T	0.53	0.03	L	8.8279	0.0028	0.014	64		8.80	8.85		C			1							
89996	11.585	0.115	9.343	0.026	*	1.260	0.218	G	1.22	0.23	K *	9.2650	0.0036	0.022	75	*	9.23	9.31			18218−5526	H 1	2 C S C	AB	173	0.112	0.074	0.78	1.89	
89997	9.528	0.023	9.077	0.023		0.425	0.030	T	0.49	0.03	L	9.1334	0.0018	0.014	77		9.10	9.16		C			1							
89998	9.293	0.013	7.651	0.007		1.374	0.012	T	1.34	0.01	L	7.6509	0.0015	0.015	125		7.63	7.68					1							S
89999	6.737	0.004	6.841	0.005	*	−0.090	0.005	T	−0.07	0.01	L *	6.8073	0.0014	0.012	167	*	6.79	6.83	3.17	P 1 A	18218+2130	I 1	2 C A	AB	342	0.829	0.003	1.71	0.01	S
90000	9.522	0.016	7.650	0.007		1.556	0.014	T	1.57	0.01	L	7.5434	0.0028	0.019	115		7.52	7.58		U 2			1							S

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)										Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
90001	18 21 48.85	−16 19 28.5	7.64	2 H	275.453 558 40	−16.324 578 32	1.00	2.09	−2.22	0.86	0.64	0.93	0.93	0.73	+ 7	−33	+ 1	+ 9	− 6	+ 0	− 4	−12	− 9	− 2	0	−0.19
90002	18 21 49.22	+16 08 21.7	7.69	H	275.455 081 24	+16.139 366 77	3.82	22.81	−3.49	0.69	0.66	1.07	0.82	0.82	− 8	−33	−10	− 2	+17	−17	+13	−16	+ 6	−13	0	0.06
90003	18 21 49.60	+44 40 39.7	8.57	H	275.456 648 16	+44.677 698 04	7.55	10.77	−29.41	0.62	0.51	0.70	0.63	0.79	+14	−13	− 7	−20	− 8	+14	−10	−11	+ 2	+12	2	−0.85
90004	18 21 49.80	−11 55 21.1	7.95	H	275.457 484 95	−11.922 515 03	23.19	−22.13	−69.23	0.87	0.64	0.96	0.90	0.66	− 3	−13	−20	− 9	− 6	− 3	− 8	−21	− 4	−22	0	−0.69
90005	18 21 50.41	+15 37 35.1	7.85	H	275.460 056 52	+15.626 408 68	14.80	−42.90	−161.18	0.73	0.67	1.24	1.02	0.91	−12	−26	− 4	− 7	+16	−37	+11	−30	+16	−20	2	−0.34
90006	18 21 50.83	−35 02 50.0	8.11	H	275.461 803 91	−35.047 216 41	1.91	−2.29	1.63	1.17	0.85	1.31	1.28	0.75	+30	−25	−29	−13	+13	−29	− 7	−49	+ 2	− 7	0	2.41
90007	18 21 52.08	+41 12 48.2	7.49	H	275.466 997 12	+41.213 400 16	3.47	−14.38	−28.00	0.56	0.50	0.67	0.62	0.70	+ 0	−11	−13	− 2	+ 6	−15	+ 6	+ 3	+ 0	− 5	0	0.49
90008	18 21 55.72	−47 43 25.6	8.37	H	275.482 168 47	−47.723 783 68	1.41	4.71	0.40	0.89	0.56	1.06	0.96	0.55	+ 4	−24	− 6	+29	−41	− 7	−35	+ 7	− 1	+ 8	2	1.19
90009	18 21 57.08	−58 50 09.7	8.34	H	275.487 849 39	−58.836 038 68	7.63	10.33	−53.22	0.87	0.76	1.05	1.14	0.78	−13	− 7	−26	+ 7	−33	+ 5	−29	+ 9	+11	−14	0	0.80
90010	18 21 59.54	+42 17 21.3	7.86	H	275.498 080 86	+42.289 251 88	2.57	6.40	23.77	0.56	0.52	0.70	0.67	0.70	+ 5	−10	−12	+ 3	+10	−23	+ 8	−16	+11	+ 2	0	0.03
90011	18 22 00.03	−30 14 28.7	9.55	H	275.500 117 73	−30.241 292 70	11.25	−23.07	−4.80	1.54	1.11	1.91	2.24	1.44	+15	−29	−38	+10	+28	−23	+ 2	−53	+42	−11	0	−1.00
90012	18 22 00.13	−28 25 47.8	6.15	H	275.500 553 87	−28.429 953 89	6.87	6.98	−3.51	0.94	0.65	1.03	1.50	0.86	−13	−36	−17	−10	+51	+ 2	+25	−57	+24	−41	0	1.91
90013	18 22 00.69	+40 06 40.8	9.90	H	275.502 895 35	+40.111 332 54	6.95	−13.17	100.48	0.84	0.79	1.06	0.86	1.11	+ 1	− 5	+ 0	+ 9	+ 3	−10	+ 5	+ 8	− 4	−10	0	2.63
90014	18 22 02.03	−51 25 35.7	8.47	G	275.508 444 35	−51.426 579 37	8.01	11.57	0.71	1.03	0.82	1.19	1.64	1.14	+20	− 9	+18	+ 3	−41	− 9	−28	−23	− 5	+56	0	−1.14
90015 H	18 22 02.31	+14 39 27.9	8.29	2 H	275.509 621 08	+14.657 748 93 A	2.94	−1.26	−5.13	1.79	1.73	2.34	2.15	1.78	−25	− 4	−12	+ 6	+33	−34	+35	−21	+35	−10	1	1.06
90016	18 22 03.03	−22 55 18.0	7.30	H	275.512 617 14	−22.921 659 59	3.47	0.75	−11.28	1.01	0.67	1.18	1.14	0.75	+16	−43	−38	+10	+32	−28	+ 3	−55	+32	−18	0	−0.05
90017	18 22 04.60	+75 51 42.8	8.16	H	275.519 175 69	+75.861 896 87	11.27	−9.60	94.94	0.66	0.57	0.66	0.67	0.64	+ 1	−30	− 9	−25	+ 2	− 8	+ 2	+10	−11	+ 9	0	1.91
90018	18 22 05.93	−63 22 53.8	7.33	H	275.524 725 43	−63.381 614 72	2.49	4.01	9.00	0.63	0.58	0.85	0.66	0.58	+19	−16	+ 5	+17	+ 4	− 6	+ 7	−33	−13	+33	0	−0.70
90019	18 22 06.78	−25 14 23.7	8.86	3 H	275.528 259 66	−25.239 915 74 *	4.27	−15.15	−16.50	2.52	1.29	1.43	1.47	0.91	+71	−15	−11	+ 3	+ 8	−23	+13	−13	+20	−28	0	−0.10
90020	18 22 07.04	−46 02 07.0	8.38	2 H	275.529 353 31	−46.035 289 28	1.02	−25.71	−25.73	1.00	0.73	1.25	1.34	0.89	+ 6	−24	−19	+ 5	+ 3	−17	−14	−39	+28	−25	5	1.08
90021	18 22 08.41	+00 09 30.6	7.69	G	275.535 026 71	+00.158 502 08	3.61	−18.64	26.87	0.78	0.62	0.96	0.87	0.69	+ 2	−28	−32	+ 6	− 7	+28	+ 0	− 1	+ 5	− 8	0	−0.93
90022	18 22 08.53	+04 28 15.2	9.10	H	275.535 555 36	+04.470 900 45	4.15	4.18	−10.47	1.20	0.85	1.25	1.14	0.92	+ 1	− 1	+ 3	−41	− 6	+ 2	− 6	−52	− 6	+ 6	0	0.91
90023	18 22 08.69	+23 17 06.0	5.41	1 H	275.536 221 72	+23.284 987 21	4.82	11.61	77.88	0.29	0.39	0.57	0.37	0.40	+ 3	−10	+ 6	+12	+22	− 1	+18	+18	+ 3	+ 7	1	−0.25
90024	18 22 08.86	+36 18 06.8	7.61	H	275.536 935 89	+36.301 875 55	15.23	48.58	−51.55	0.53	0.56	0.69	0.58	0.67	+ 4	−14	+ 2	+22	+ 7	−14	+ 8	+13	+ 0	+ 2	0	−0.64
90025 H	18 22 08.97	+48 21 26.9	8.31	G	275.537 388 89	+48.357 482 15 A	4.02	−8.95	15.96	0.92	0.77	0.92	0.91	0.97	+ 5	−28	− 8	+ 7	+ 7	+10	+15	+ 3	− 9	− 9	1	−0.83
90026	18 22 09.83	−55 33 51.1	8.04	2 G	275.540 950 54	−55.564 205 05	9.10	77.67	2.24	0.91	0.67	1.11	1.10	0.79	−17	−20	− 4	+14	−29	+11	−29	+ 4	+16	+ 0	0	0.63
90027	18 22 09.83	+11 28 10.7	10.20	H	275.540 961 52	+11.469 634 97	−1.32	0.84	−1.09	1.48	1.25	1.82	1.67	1.53	+33	−32	−16	−30	− 5	+12	− 6	−42	+14	+35	0	0.34
90028	18 22 10.02	−55 34 22.3	8.45	G	275.541 760 66	−55.572 850 47	8.86	80.76	1.36	1.08	0.79	1.30	1.31	0.94	−18	−18	− 4	+12	−32	+ 8	−31	+ 4	+15	+ 1	0	−1.06
90029	18 22 10.13	−22 14 19.8	7.30	H	275.542 212 30	−22.238 820 05	3.04	2.76	−4.77	1.71	1.31	2.23	2.20	1.47	− 1	−21	−43	−17	+36	−50	+ 9	−71	+40	−29	0	
90030	18 22 10.83	−07 29 55.5	7.04	1 H	275.545 105 01	−07.498 739 64	5.57	−7.88	−16.80	0.82	0.61	0.90	0.80	0.62	+ 4	−32	− 1	−21	+ 3	+ 5	+ 6	−11	−11	+ 7	0	0.03
90031	18 22 11.79	+51 32 31.0	6.84	H	275.549 105 59	+51.541 934 53	6.73	16.12	−12.53	0.47	0.40	0.50	0.56	0.48	+ 1	−11	−15	− 2	+ 7	− 4	+ 7	− 2	+ 1	+10	0	1.31
90032 H	18 22 13.89	−15 05 17.8	7.11	H	275.557 864 53	−15.088 285 10 A	6.64	2.37	4.64	3.13	2.71	3.15	3.53	2.51	+49	−38	−60	+11	+ 7	−49	−55	−55	+47	−42	0	−0.63
90033 H	18 22 14.28	+11 26 00.7	9.10	H	275.559 495 26	+11.433 536 97 A	4.48	−3.15	−44.31	2.54	2.05	2.56	2.22	1.93	+44	−34	−25	−29	− 9	+ 1	−16	−49	+16	+29	5	1.98
90034	18 22 15.97	−14 23 19.3	7.10	H	275.566 556 84	−14.388 694 46	4.01	1.44	−0.43	1.04	0.76	1.08	1.32	0.85	−33	− 1	−29	−43	+35	−35	+27	−49	+13	−63	0	0.47
90035	18 22 17.17	+01 42 25.6	10.12	H	275.571 547 21	+01.707 117 43	37.23	84.84	−17.96	1.44	1.05	1.66	1.70	1.31	+ 2	−17	−18	− 3	+ 3	+24	+ 7	−30	− 3	− 4	0	0.82
90036	18 22 18.08	+07 32 56.6	7.20	H	275.575 350 71	+07.549 058 04	14.35	−96.52	−52.79	0.64	0.51	0.88	0.79	0.64	+24	−34	−15	−15	+ 5	+25	+ 3	−21	+17	+22	2	−1.44
90037	18 22 18.60	−38 39 24.6	5.09	G	275.577 517 14	−38.656 824 98	6.48	−42.28	−28.28	0.69	0.44	0.78	1.00	0.59	−18	− 8	−12	+20	+ 8	+ 7	+ 4	−26	+24	−22	0	−0.71
90038	18 22 18.65	−38 32 43.3	7.70	H	275.577 728 09	−38.545 367 88	2.79	−14.69	−23.11	0.92	0.58	1.06	1.33	0.77	−12	−14	−23	+25	+ 4	− 9	− 6	−32	+32	−24	0	−0.93
90039	18 22 21.88	−42 56 03.8	8.10	H	275.591 170 36	−42.934 395 70	3.03	6.49	2.35	0.98	0.64	1.15	1.23	0.76	− 2	−32	−15	+ 1	+ 4	− 5	− 8	−39	+18	−27	0	−0.90
90040	18 22 23.13	+40 22 31.4	7.87	H	275.596 386 07	+40.375 377 31	4.32	3.32	−0.89	0.54	0.50	0.67	0.57	0.73	+ 1	−12	− 4	+17	+ 4	−13	+ 6	+15	− 6	−13	0	−0.19
90041	18 22 23.79	−01 12 08.3	7.28	H	275.599 145 81	−01.202 294 98	6.90	8.92	−9.41	0.80	0.61	0.96	1.05	0.77	+28	−38	−26	− 1	+ 4	+31	+11	+11	+ 0	+ 8	0	2.35
90042 H	18 22 24.22	+09 56 59.0	8.75	H	275.600 931 24	+09.949 713 02 A	7.28	4.28	−3.79	2.48	2.10	2.93	3.02	2.52	+36	−21	−18	−31	−16	− 2	−22	−50	+25	+24	1	−0.26
90043	18 22 24.70	−32 12 51.5	8.48	2 H	275.602 905 08	−32.214 291 77	3.86	−7.26	−5.45	1.03	0.64	1.13	1.12	0.69	+ 3	−39	− 6	+ 4	+ 9	− 7	+ 5	−29	− 5	−15	0	−0.59
90044	18 22 24.88	+36 54 03.3	7.89	G	275.603 674 70	+36.900 917 85	5.81	14.26	−40.71	0.56	0.50	0.68	0.60	0.61	+11	−11	+ 0	+13	+ 8	−16	+ 8	+ 5	+ 5	+10	1	1.24
90045	18 22 25.09	+22 56 23.5	8.45	H	275.604 555 72	+22.939 852 55	2.68	−51.21	−15.40	0.54	0.74	1.14	0.65	0.75	+ 2	−10	+10	+ 6	+24	− 4	+21	+18	+ 1	+ 2	1	−1.40
90046	18 22 25.34	−57 29 39.4	9.10	H	275.605 598 73	−57.494 270 45	2.81	−0.19	−18.48	1.19	0.94	1.29	1.43	0.97	−26	−21	−12	+32	−41	− 3	−39	+24	+ 8	−36	0	0.76
90047	18 22 27.01	+07 13 34.7	8.15	H	275.612 547 26	+07.226 306 46	3.29	−0.42	−1.53	0.75	0.63	1.06	0.96	0.84	+22	−26	−26	−19	+17	+14	+17	−17	+18	+ 7	2	−1.64
90048	18 22 29.64	−26 50 44.3	9.91	G	275.623 493 63	−26.845 628 05	1.39	3.99	−5.83	1.75	1.10	1.85	2.03	1.31	+34	−40	− 6	− 2	− 8	− 4	−14	−44	+10	+29	0	−0.99
90049	18 22 30.29	−66 06 17.7	8.98	H	275.626 190 92	−66.104 924 83	7.23	−5.83	−2.33	0.68	0.78	1.24	0.78	0.94	+ 0	−16	+10	− 9	+18	+23	+13	+ 1	+12	+32	0	0.42
90050	18 22 31.08	−10 19 33.3	8.65	H	275.629 490 75	−10.325 917 93	3.40	−4.99	−8.31	1.13	0.75	1.20	1.20	0.81	− 3	−37	−24	+24	− 3	+20	+ 4	+11	− 7	−11	0	2.13
90051	18 22 32.70	+07 38 10.6	9.21	H	275.636 244 08	+07.636 280 96	1.36	−2.67	−3.61	0.96	0.74	1.34	1.13	0.91	+11	−37	−17	−26	+ 0	+18	− 3	−39	+14	+ 6	0	0.80
90052	18 22 35.31	+12 01 46.7	5.99	H	275.647 138 37	+12.029 644 33	6.81	8.90	14.61	0.59	0.49	0.74	0.74	0.61	− 2	−21	−15	−17	+20	+ 9	+16	−32	+24	+ 7	0	2.44
90053	18 22 38.01	+32 57 32.3	11.95	3 H	275.658 370 71	+32.958 974 94	0.65	−14.43	30.08	1.87	1.83	2.36	2.45	2.50	+ 4	−14	−13	+42	− 1	+ 0	+ 2	− 5	−12	+ 5	1	−0.95
*90054	18 22 39.71	+83 22 06.7	7.26	H	275.665 469 31	+83.368 534 36	3.20	0.77	29.60	0.54	0.57	0.62	0.63	0.63	+ 0	−17	−11	+ 3	+ 9	−30	+12	−32	− 3	+18	0	1.37
*90055	18 22 39.64	−18 01 13.7	9.35	H	275.665 168 24	−18.020 462 71	23.45	−136.15	−222.69	1.52	0.98	1.67	1.57	1.14	+12	−48	−29	+14	−12	− 2	−23	−14	+18	−17	0	−0.69
90056	18 22 40.16	+39 15 30.0	8.15	H	275.667 317 72	+39.258 333 77	3.20	2.64	−11.74	0.62	0.58	0.78	0.73	0.76	− 4	−17	− 1	+10	+11	−22	+12	− 5	+ 1	− 7	0	−2.17
90058	18 22 42.00	+26 13 26.8	8.68	H	275.674 987 98	+26.224 118 75	12.80	−32.97	−55.63	0.62	0.74	1.01	0.73	0.80	+ 8	− 9	− 2	+18	+19	− 2	+16	+13	+12	+ 8	0	0.51
90059	18 22 42.90	+43 01 12.7	8.09	H	275.678 757 75	+43.020 197 62	3.63	−11.68	23.47	0.59	0.53	0.70	0.60	0.73	+ 0	+ 7	−10	− 7	+ 9	−14	+11	−20	+10	− 2	0	−2.34
90060	18 22 43.10	+47 03 14.2	9.00	G	275.679 578 29	+47.053 951 27	4.10	2.42	14.11	0.78	0.57	0.84	0.94	0.80	+ 6	− 9	−17	+11	+ 7	−19	+ 4	− 4	−11	+ 0	4	−0.43
90061	18 22 43.45	+37 57 51.1	11.67	G	275.681 041 90	+37.964 180 90	28.28	10.08	−394.62	1.74	1.58	2.17	2.01	2.02	+ 5	−30	− 4	+ 5	+11	− 7	+13	−16	− 4	+ 9	1	2.00
90062	18 22 44.71	−14 21 48.6	8.45	H	275.686 306 20	−14.363 487 50	4.14	0.14	−1.07	1.23	0.94	1.40	1.60	1.07	− 1	+ 2	−42	−34	+24	−31	+12	−38	+16	−31	0	0.54
90063	18 22 45.26	+35 06 04.6	9.20	G	275.688 567 57	+35.101 287 26	2.62	5.61	−16.08	0.69	0.85	1.02	0.77	1.07	+10	−17	−11	−12	− 4	−13	− 8	−28	+20	+13	0	1.06
90064	18 22 46.30	−73 24 52.1	9.23	H	275.692 901 00	−73.414 470 35	2.66	21.15	16.27	0.74	0.94	1.37	0.75	0.95	− 4	−14	+ 6	+12	− 6	−23	− 9	−19	+11	−15	1	1.42
90065	18 22 47.25	−42 36 04.6	7.98	H	275.696 859 75	−42.601 280 93	2.57	−13.03	2.44	0.94	0.61	1.09	1.22	0.76	− 3	−22	−10	+ 9	− 9	− 4	−17	−32	+20	−19	0	1.01
90066	18 22 47.64	−48 17 30.5	9.67	H	275.698 490 76	−48.291 797 48	1.00	−10.39	−24.81	1.43	0.91	1.73	1.60	0.92	+ 3	−28	− 4	+23	−43	− 9	−37	+ 0	+ 3	+ 9	0	1.01
90067	18 22 49.00	+17 49 35.7	5.25	H	275.704 148 75	+17.826 577 24	7.48	72.52	16.06	0.48	0.44	0.66	0.59	0.55	−11	−14	− 5	− 9	+19	+ 0	+18	−18	+15	+ 9	0	−0.44
90068	18 22 49.03	+25 21 04.7	10.38	H	275.704 276 98	+25.351 302 25	2.27	8.48	19.82	1.00	1.39	1.79	1.20	1.69	+ 6	− 2	−10	+17	+16	+ 5	+17	+15	+15	+ 9	0	1.56
90069	18 22 49.07	+07 12 24.3	7.09	H	275.704 451 90	+07.206 747 95	3.67	1.61	−0.31	0.64	0.51	0.88	0.87	0.71	+27	−27	− 9	−16	+ 8	+23	+ 5	−16	+19	+20	1	−0.91
90070	18 22 49.59	+15 00 06.7	7.44	H	275.706 643 57	+15.001 857 03	6.94	2.37	−21.12	0.62	0.55	0.94	0.92	0.74	−16	−20	− 2	+14	+13	−17	+11	−18	+12	− 8	0	−1.36
90071	18 22 50.32	+04 45 09.5	10.90	G	275.709 663 93	+04.752 638 89	2.82	1.47	10.91	1.98	1.46	2.17	1.87	1.62	− 8	−17	+14	−43	− 2	+12	− 3	−56	+12	− 5	5	0.01
90072	18 22 52.12	+43 55 56.4	7.87	H	275.717 174 65	+43.932 320 07	4.56	−3.97	11.04	0.59	0.48	0.68	0.67	0.71	+ 9	+13	+ 6	− 2	+ 4	+ 6	+ 4	−12	− 4	+ 8	0	−0.10
90073	18 22 52.62	−50 52 51.9	8.58	2 H	275.719 230 20	−50.881 083 70	0.30	2.90	−8.28	1.08	0.82	1.32	1.38	1.03	+19	−27	+10	+ 0	−37	− 5	−30	−20	− 2	+43	2	−0.76
90074	18 22 53.08	−36 40 10.2	5.33	H	275.721 158 24	−36.669 492 54	5.27	−1.69	−25.97	0.70	0.49	0.76	0.83	0.49	+ 1	−24	−23	+ 9	+16	−16	+ 5	−33	+ 6	−21	0	−0.51
90075	18 22 54.84	+14 58 11.0	8.58	H	275.728 481 78	+14.969 717 25	12.58	1.47	38.55	0.77	0.71	1.28	1.16	0.97	−23	− 8	− 3	+ 0	+29	−20	+27	−27	+12	−22	0	−1.05
90076	18 22 55.15	+19 08 57.4	7.99	H	275.729 773 61	+19.149 264 15	6.03	12.05	−13.55	0.63	0.66	0.89	0.64	0.68	− 1	+13	+ 3	+24	+45	+ 5	+46	+18	+14	−10	0	0.35
90077	18 22 56.56	+20 57 49.3	7.15	H	275.735 682 34	+20.963 689 79	2.77	−4.84	−1.38	0.46	0.54	0.80	0.49	0.57	+20	+ 0	+ 2	+53	+27	+ 4	+25	+27	+ 4	+14	0	−0.33
90078	18 22 59.13	+12 05 26.1	8.76	H	275.746 390 16	+12.090 573 38	1.54	4.32	5.09	1.07	0.88	1.32	1.52	1.20	+ 3	−14	−18	− 7	+28	− 5	+19	−29	+23	−25	0	0.76
90079	18 22 59.60	+46 21 44.9	7.22	H	275.748 346 29	+46.362 465 29	9.05	18.60	76.50	0.53	0.42	0.58	0.58	0.61	+10	−14	−16	+ 2	+ 2	− 2	− 9	− 1	+19	+ 9	+ 2	3	1.86
90080 H	18 22 59.93	+30 07 18.6	8.69	H	275.749 693 67	+30.121 826 57 A	3.25	4.68	6.88	3.67	5.59	1.61	1.34	1.62	+23	− 4	− 8	+ 8	+ 7	− 7	+13	−14	+10	+11	5	0.49
90081	18 23 00.91	−17 40 37.3	7.59	G	275.753 805 71	−17.677 031 24	0.97	−3.49	−4.08	0.98	0.67	0.98	1.14	0.83	− 9	−33	− 9	+32	−15	+ 4	−14	+18	− 8	−32	0	0.86
90082	18 23 01.79	+82 42 21.6	8.24	H	275.757 445 80	+82.705 986 75	4.22	−25.61	4.47	0.60	0.61	0.66	0.71	0.71	+ 6	−24	− 3	+17	+ 5	−18	+12	−23	− 7	+24	0	−1.42
90083	18 23 02.10	−10 13 08.1	6.32	1 H	275.758 767 04	−10.218 929 31	9.51	9.22	−22.24	0.84	0.57	1.02	1.04	0.66	−30	−32	−18	+14	−21	+48	− 7	+21	−17	−38	3	1.08
90084	18 23 02.42	+39 30 59.4	8.70	H	275.760 065 29	+39.516 495 72	2.13	−4.15	−13.27	0.74	0.64	0.90	0.82	0.91	+ 0	−18	− 9	+ 0	+ 5	− 5	+ 6	− 6	− 3	+ 6	0	−0.68
90085	18 23 02.62	−23 34 57.6	9.35	H	275.760 935 57	−23.582 674 21	−0.91	0.52	−6.72	1.70	1.10	2.00	1.79	1.18	+51	−55	−50	+14	+15	−32	−28	−68	+39	+ 6	0	0.67
90086	18 23 02.94	+16 41 16.9	6.22	H	275.762 235 59	+16.688 034 24	6.58	−11.28	−14.12	0.59	0.54	0.82	0.72	0.64	−14	−26	− 2	− 9	+17	−10	+12	−28	+19	− 6	3	−0.14
90087 H	18 23 03.15	−62 35 15.7	8.55	H	275.763 129 42	−62.587 702 29 A	3.34	7.14	−11.27	2.68	2.60	3.06	2.41	2.26	+31	−32	−11	−17	− 9	− 5	−11	−34	− 9	+30	3	1.08
90088	18 23 04.18	+45 13 13.4	8.02	H	275.767 435 75	+45.220 390 25	5.10	2.49	30.39	0.56	0.50	0.66	0.63	0.76	+ 7	−13	−12	−12	− 1	+ 8	− 1	−16	+ 2	+ 4	1	−0.46
90089	18 23 04.47	−60 44 57.0	6.80	H	275.768 639 99	−60.749 162 55	11.35	−6.05	−18.74	0.68	0.55	0.80	0.92	0.70	−15	−12	−12	+ 1	− 7	−17	−12	+ 9	+25	−16	0	−1.92
90090	18 23 04.71	−64 22 41.4	8.39	H	275.769 627 12	−64.378 159 88	2.93	9.07	0.29	0.59	0.71	1.04	0.74	0.77	−13	−11	− 4	− 5	+ 8	−13	+16	−13	+18	+19	3	0.50
90091	18 23 04.85	+29 21 54.4	7.84	H	275.770 208 11	+29.365 110 24	3.13	8.84	−11.95	0.56	0.63	0.85	0.72	0.80	+ 4	− 2	−13	− 6	+ 7	− 8	+ 6	−14	+24	+17	0	0.53
90092	18 23 05.42	+58 54 13.0	10.29	3 H	275.772 572 67	+58.903 602 57	1.81	−6.99	−17.12	0.99	0.98	1.01	1.11	1.21	− 5	+ 7	− 9	+29	+ 6	+ 4	+ 7	+13	− 8	− 1	0	1.27
90093	18 23 06.03	+43 39 23.3	8.69	H	275.775 143 92	+43.656 478 58	1.43	6.66	−14.76	0.70	0.60	0.84	0.77	0.89	+ 8	+ 0	+10	+11	+ 5	+ 6	+ 6	− 9	−10	+ 7	0	0.79
90094	18 23 06.92	−73 00 52.4	8.12	H	275.778 820 29	−73.014 557 48	14.37	−27.63	101.91	0.50	0.63	0.90	0.55	0.68	− 6	− 5	− 4	+13	− 6	−20	− 8	− 6	+ 9	−16	0	1.60
90095 H	18 23 09.52	+54 25 24.9	7.65	H	275.789 682 15	+54.423 586 20 *	6.16	−4.81	27.71	0.57	0.51	0.57	0.63	0.57	− 1	−15	− 9	+17	+18	−18	+19	+ 2	− 2	+11	0	−0.55
90096	18 23 12.17	−12 00 52.9	5.71	H	275.800 697 92	−12.014 707 63	5.33	−8.14	−19.62	0.69	0.50	0.77	0.66	0.49	− 7	−32	−20	− 9	− 9	− 3	− 9	−17	− 8	−40	3	−0.19
90097	18 23 12.44	+72 53 40.5	9.30	H	275.801 836 67	+72.894 575 22	3.29	4.75	−8.36	0.73	0.64	0.72	0.82	0.75	+ 7	−26	+ 2	− 2	+ 9	− 5	+ 9	+ 4	− 2	+24	1	0.25
90098 T	18 23 13.62	−61 29 38.1	4.35	1 G	275.806 752 39	−61.493 905 06	7.76	0.53	1.70	0.78	0.50	0.77	1.91	0.83	− 6	−41	+ 0	+25	−24	− 9	−48	− 5	+26	−54	0	1.42
*90099	18 23 14.66	−56 37 44.1	9.30	2 G	275.811 097 86	−56.628 908 37	−0.65	0.04	−9.08	1.06	0.79	1.30	1.22	0.87	−14	−22	− 5	+31	−22	+20	−23	+20	+14	−11	0	−1.48
*90100 H	18 23 14.66	−28 24 43.5	8.47	2 G	275.811 092 18	−28.412 089 70 *	0.54	−0.03	−46.69	1.26

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
90001	9.143	0.020	7.823	0.012		1.116	0.019	T	1.08	0.02	L	7.7773	0.0059	0.042	66		7.74	7.87	1.38	P 1 A			1 S							
90002	8.978	0.013	7.810	0.008		1.030	0.015	G	1.00	0.01	H	7.8613	0.0014	0.012	101		7.84	7.88		C			1							
90003	9.184	0.014	8.630	0.013		0.531	0.015	G	0.60	0.02	H	8.6883	0.0015	0.015	126		8.66	8.72					1							
90004	8.833	0.015	8.027	0.012		0.713	0.015	T	0.77	0.01	L	8.0882	0.0020	0.009	62		8.07	8.11					1							
90005	8.587	0.012	7.914	0.010		0.623	0.013	T	0.69	0.01	L	7.9771	0.0013	0.011	100		7.95	8.00		C			1							S
90006	9.820	0.028	8.262	0.015		1.308	0.025	T	1.27	0.03	L	8.2719	0.0021	0.012	66		8.25	8.30		C			1							
90007	9.136	0.015	7.598	0.008		1.292	0.013	T	1.25	0.01	L	7.6444	0.0012	0.013	111		7.63	7.67		C			1							S
90008	9.662	0.021	8.484	0.013		1.010	0.019	T	0.99	0.01	L	8.5395	0.0012	0.012	120		8.52	8.56		C			1							
90009	9.413	0.018	8.404	0.013		0.881	0.017	T	0.89	0.01	L	8.5020	0.0022	0.016	81		8.48	8.54		C			1							
90010	9.384	0.015	7.980	0.009		1.187	0.014	T	1.15	0.01	L	8.0247	0.0015	0.014	125		8.00	8.05					1							
90011	10.398	0.054	9.686	0.047		0.655	0.058	T	0.72	0.05	L	9.6865	0.0033	0.024	68		9.65	9.73					1							G
90012	6.463	0.005	6.186	0.004		0.264	0.006	T	0.30	0.01	L	6.2209	0.0011	0.007	62		6.21	6.23					1							S
90013	10.539	0.034	10.004	0.033		0.502	0.043	T	0.57	0.04	L	10.0127	0.0025	0.023	119		9.97	10.05					1 S							G
90014	8.874	0.014	8.474	0.014		0.385	0.015	G	0.45	0.02	H	8.5445	0.0020	0.014	79		8.52	8.57		C			1							
90015	8.262	0.008	8.305	0.010	*	−0.035	0.012	T	−0.01	0.01	L *	8.2894	0.0036	0.028	123	*	8.26	8.34	1.10	P 1 A	18220+1439	H 1	2 C B	AB	223	0.553	0.038	3.52	0.17	
90016	7.337	0.010	7.305	0.012		0.034	0.014	T	0.05	0.01	L	7.3205	0.0012	0.009	73		7.30	7.34					1							S
90017	8.930	0.012	8.232	0.010		0.641	0.015	G	0.71	0.01	H	8.2980	0.0011	0.010	105		8.28	8.33		C			1							S
90018	8.463	0.010	7.435	0.008		0.895	0.010	T	0.90	0.01	L	7.4911	0.0011	0.014	137		7.47	7.51					1							S
90019	9.392	0.025	8.955	0.027		0.413	0.034	T	0.48	0.04	L	8.9514	0.0030	0.024	80		8.92	9.01		P 1 A			1 V							G
90020	9.593	0.020	8.482	0.013		0.958	0.019	T	0.95	0.01	L	8.5391	0.0035	0.026	87		8.50	8.58		U 2			1 S							
90021	9.909	0.028	7.899	0.011		1.720	0.015	G	1.73	0.09	H	7.7749	0.0019	0.015	69		7.75	7.80					1							
90022	9.472	0.020	9.118	0.022		0.336	0.028	T	0.39	0.04	L	9.1804	0.0032	0.021	83		9.14	9.21		C			1							
90023	7.586	0.004	5.617	0.002		1.633	0.004	T	1.66	0.00	L	5.5176	0.0009	0.014	275		5.50	5.54		U 2			1							S
90024	8.182	0.008	7.648	0.009		0.501	0.011	T	0.57	0.01	L	7.7157	0.0010	0.010	115		7.70	7.74					1							S
90025	8.978	0.012	8.421	0.011	A	0.720	0.126	G	0.56	0.03	L *	8.4226	0.0015	0.011	120	*	8.40	8.46		D	18221+4821	I 1	2 C A	AB	191	2.237	0.015	2.91	0.07	S
90026	8.518	0.018	8.064	0.018		0.461	0.015	G	0.53	0.02	H	8.1145	0.0070	0.048	77		8.05	8.18	0.41	P 1 A	18222−5534	I 2	1							S
90027	12.343	0.177	10.410	0.050							T	10.3398	0.0022	0.036	113		10.28	10.40			18222+1127	I 2	1							G
90028	9.103	0.018	8.479	0.016		0.594	0.020	G	0.66	0.02	H	8.5553	0.0027	0.019	77		8.52	8.59		D	18222−5534	I 2	1							
90029	9.330	0.025	7.459	0.012		1.555	0.022	T	1.57	0.02	L	7.4137	0.0012	0.013	88		7.40	7.44					1 X							
90030	7.161	0.010	7.065	0.009		0.094	0.013	T	0.11	0.01	L	7.0801	0.0045	0.017	49		7.05	7.11		U			1							S
90031	7.005	0.006	6.869	0.007		0.131	0.009	T	0.15	0.01	L	6.8935	0.0009	0.012	113		6.87	6.91					1							S
90032	8.479	0.023	7.344	0.015	*						T *	7.2714	0.0019	0.018	52	–	7.24	7.30		D	18222−1505	I 1	3 C B							S G
90033	10.524	0.051	9.072	0.023	*	1.224	0.044	T	1.18	0.04	L *	9.2621	0.0025	0.026	112	*	9.20	9.30		D	18222+1127	I 2	2 C A	AB	109	2.995	0.007	0.95	0.02	
90034	7.890	0.014	7.222	0.013		0.619	0.016	T	0.86	0.03	C	7.2570	0.0017	0.013	42		7.23	7.28					1							S
90035	11.687	0.119	10.178	0.051		1.258	0.020	G	1.32	0.14	K	10.2440	0.0055	0.035	75		10.18	10.30					1							G
90036	7.865	0.007	7.264	0.005		0.561	0.004	G	0.63	0.00	H	7.3216	0.0009	0.012	139		7.30	7.34					1							S
90037	7.054	0.006	5.250	0.003		1.498	0.008	G	1.52	0.01	H	5.2196	0.0011	0.007	75		5.21	5.23					1							S
90038	9.053	0.018	7.832	0.011		1.043	0.016	T	1.01	0.01	L	7.8732	0.0015	0.010	78		7.86	7.90					1							
90039	9.808	0.022	8.239	0.011		1.300	0.015	G	1.26	0.02	H	8.2606	0.0018	0.012	96		8.25	8.28		C			1							
90040	7.952	0.008	7.873	0.009		0.078	0.011	T	0.09	0.01	L	7.9011	0.0011	0.011	113		7.88	7.93		C			1							S
90041	7.350	0.007	7.289	0.010		0.061	0.011	T	0.07	0.01	L	7.3101	0.0010	0.006	56		7.30	7.33					1 G							S
90042	9.066	0.011	8.962	0.015	*	0.101	0.018	T	0.11	0.02	L *	8.7898	0.0024	0.021	137	*	8.75	8.84		D	18224+0957	I 1	2 C A	AB	162	0.927	0.003	0.36	0.02	
90043	10.633	0.054	8.775	0.018		1.577	0.047	T	2.96	0.05	O	8.4065	0.0076	0.057	78		8.32	8.53		U 2			1 S							P
90044	8.415	0.008	7.950	0.008		0.438	0.010	T	0.51	0.01	L	7.9948	0.0013	0.011	112		7.98	8.02		C			1							S
90045	9.978	0.019	8.575	0.011		1.186	0.017	T	1.15	0.01	L	8.6158	0.0017	0.022	210		8.58	8.65					1							
90046	10.205	0.032	9.208	0.022		0.872	0.029	T	0.88	0.02	L	9.2514	0.0026	0.019	76		9.22	9.29		C			1							
90047	8.482	0.008	8.191	0.009		0.277	0.011	T	0.31	0.01	L	8.2230	0.0020	0.019	147		8.20	8.26					1							S
90048	10.600	0.056	10.169	0.068		0.484	0.020	G	0.56	0.02	H	10.0291	0.0034	0.025	66		9.98	10.06		C			1 S							G
90049	9.633	0.015	9.031	0.013		0.560	0.015	T	0.63	0.01	L	9.1033	0.0018	0.020	147		9.07	9.15		C			1							
90050	9.083	0.019	8.702	0.021		0.361	0.026	T	0.42	0.03	L	8.7367	0.0020	0.012	48		8.72	8.77		C			1							
90051	9.486	0.015	9.225	0.017		0.249	0.021	T	0.28	0.03	L	9.2799	0.0024	0.023	125		9.24	9.32		C			1							
90052	6.049	0.003	5.987	0.003		0.056	0.004	T	0.07	0.00	L	6.0125	0.0009	0.007	102		6.00	6.02		C			1							S
90053											T	12.0390	0.0468	0.361	100		11.47	12.39	0.58	P 1 A			1							G
90054	8.457	0.012	7.350	0.008		0.955	0.011	T	0.94	0.01	L	7.4239	0.0012	0.011	104		7.41	7.44		C			1							S
90055	10.600	0.067	9.474	0.038		1.008	0.003	G	1.05	0.00	I	9.5201	0.0018	0.015	48		9.50	9.55					1							G
90056	9.423	0.019	8.260	0.013		1.011	0.010	G	0.99	0.01	H	8.3163	0.0015	0.013	112		8.29	8.34		C			1							
90058	9.303	0.013	8.735	0.012		0.535	0.015	G	0.61	0.02	H	8.7936	0.0018	0.020	166		8.76	8.83					1							
90059	9.551	0.017	8.203	0.010		1.143	0.015	T	1.11	0.01	L	8.2539	0.0020	0.018	112		8.23	8.28					1							S
90060	9.558	0.019	9.025	0.018		0.480	0.015	G	0.55	0.02	H	9.0988	0.0017	0.018	105		9.07	9.14					1							
90061						1.462	0.020	G	1.86	0.09	I	11.8002	0.0062	0.054	97		11.72	11.90					1							G
90062	8.879	0.019	8.499	0.020		0.394	0.026	G	0.46	0.03	H	8.5362	0.0021	0.016	45		8.50	8.58		C			1							
90063	9.619	0.020	9.184	0.020		0.330	0.015	G	0.38	0.02	H	9.2723	0.0021	0.017	111		9.24	9.31					1							
90064	10.363	0.024	9.317	0.016		0.909	0.022	T	0.91	0.02	L	9.3886	0.0020	0.026	188		9.34	9.44					1 S							
90065	10.021	0.025	8.171	0.011		1.538	0.022	T	1.59	0.05	L	8.0994	0.0015	0.012	94		8.08	8.13					1							
90066	10.883	0.052	9.716	0.030		1.001	0.047	T	0.98	0.04	L	9.8412	0.0024	0.024	109		9.80	9.87		C			1 S							G
90067	6.880	0.005	5.395	0.002		1.250	0.004	T	1.21	0.00	L	5.4133	0.0005	0.006	108		5.40	5.42		C			1							S
90068	11.854	0.095	10.466	0.043		1.174	0.082	T	1.14	0.07	L	10.5478	0.0033	0.039	168		10.48	10.62					1							G
90069	8.838	0.009	7.230	0.005		1.360	0.015	G	1.33	0.02	H	7.2371	0.0011	0.012	146		7.22	7.26					1							S
90070	7.641	0.007	7.465	0.007		0.169	0.009	T	0.18	0.01	L	7.4945	0.0014	0.013	111		7.48	7.52		C			1							S
90071						0.500	0.020	G	0.57	0.02	H	11.0072	0.0050	0.041	86		10.90	11.08					1							G
90072	9.165	0.015	7.990	0.010		1.008	0.014	T	0.98	0.01	L	8.0369	0.0012	0.013	103		8.02	8.07					1							S
90073	10.720	0.044	8.771	0.016		1.652	0.039	T	1.94	0.10	O	8.6647	0.0028	0.024	86		8.62	8.71		U 2			1							
90074	5.183	0.003	5.322	0.004		−0.121	0.004	T	−0.11	0.01	L	5.2957	0.0009	0.006	75		5.29	5.31					1							S
90075	9.367	0.017	8.637	0.014		0.670	0.018	T	0.73	0.01	L	8.7152	0.0016	0.015	106		8.68	8.74		C	18229+1458	I 1	1							
90076	8.294	0.008	8.013	0.009		0.267	0.011	T	0.30	0.01	L	8.0626	0.0010	0.013	136		8.04	8.09					1							S
90077	8.545	0.010	7.270	0.006		1.086	0.009	T	1.05	0.01	L	7.3186	0.0011	0.014	180		7.30	7.34					1							S
90078	10.251	0.031	8.856	0.016		1.179	0.027	T	1.14	0.02	L	8.9275	0.0034	0.021	93		8.88	8.97					1							
90079	7.548	0.006	7.249	0.007		0.309	0.015	G	0.35	0.02	H	7.2977	0.0010	0.009	106		7.28	7.31		C			1							S
90080	10.167	0.025	8.813	0.014	*	1.147	0.023	T	1.11	0.02	L *	8.8588	0.0018	0.020	128	*	8.83	8.90		D	18230+3007	H 1	2 C A	AB	11	0.312	0.023	2.13	0.25	
90081	7.727	0.011	7.610	0.015		0.140	0.015	G	0.15	0.01	H	7.6312	0.0014	0.011	49		7.62	7.66		C			1							S
90082	9.692	0.019	8.374	0.011		1.119	0.017	T	1.08	0.02	L	8.4129	0.0012	0.012	120		8.40	8.44		C			1							
90083	6.492	0.006	6.349	0.006		0.130	0.008	T	0.14	0.01	L	6.3684	0.0042	0.011	42		6.35	6.39		U 2			1 G							S
90084	9.970	0.030	8.803	0.019		1.001	0.028	T	0.98	0.02	L	8.8623	0.0017	0.018	118		8.84	8.89		C			1							S
90085	12.506	0.360	9.770	0.049		2.300	0.299	T	2.00	0.23	K	9.4378	0.0018	0.018	77		9.41	9.46					1							G
90086	7.804	0.007	6.363	0.004		1.216	0.006	T	1.18	0.01	L	6.3858	0.0007	0.007	101		6.37	6.40					1							S
90087	8.956	0.019	8.486	0.019	*	0.456	0.021	T	0.53	0.02	L *	8.6477	0.0021	0.020	110	*	8.61	8.69		D	18231−6235	I 1	2 C A	AB	55	5.628	0.005	0.26	0.02	S
90088	8.220	0.008	8.032	0.009		0.180	0.011	T	0.20	0.01	L	8.0825	0.0014	0.013	112		8.06	8.11		C			1							S
90089	7.094	0.005	6.837	0.006		0.245	0.007	T	0.27	0.01	L	6.8681	0.0009	0.010	80		6.85	6.89		D	18231−6045	I 1	1							S
90090	8.421	0.008	8.403	0.009		0.017	0.011	T	0.04	0.01	L	8.4066	0.0017	0.019	169		8.38	8.44		C			1							
90091	7.893	0.007	7.850	0.010		0.044	0.011	T	0.06	0.01	L	7.8582	0.0014	0.016	132		7.83	7.89					1							S
90092	10.693	0.077	10.430	0.091		0.250	0.112	T	0.28	0.14	L	10.3587	0.0218	0.205	113		10.20	11.04	0.55	P 1 A			1							G
90093	9.884	0.022	8.818	0.015		0.924	0.020	T	0.92	0.01	L	8.8507	0.0022	0.020	114		8.83	8.88					1							S
90094	8.765	0.009	8.183	0.008		0.553	0.015	G	0.63	0.01	H	8.2369	0.0015	0.017	183		8.21	8.27					1							S
90095	7.910	0.010	7.681	0.011	*	0.218	0.014	T	0.24	0.02	L *	7.7175	0.0009	0.011	116	*	7.70	7.74		D	18232+5425	H 1	2 C S B	AB	21	0.134	0.038	2.23	0.70	S
90096	5.712	0.004	5.706	0.004		0.006	0.005	T	0.03	0.01	L	5.7185	0.0011	0.007	74		5.71	5.74					1							S
90097	9.695	0.034	9.304	0.036		0.370	0.046	T	0.43	0.05	L	9.3798	0.0019	0.017	103		9.36	9.41		C			1							
90098	6.297	0.004	4.537	0.003		1.462	0.004	G	1.50	0.02	A	4.4875	0.0021	0.010	73		4.47	4.50		U 2	18232−6130	I 1	1 G							S
90099	9.264	0.017	9.254	0.022		−0.010	0.017	G	0.01	0.02	H	9.2984	0.0028	0.026	77		9.25	9.33		U			1							
90100	10.555	0.067	8.605	0.023	*	1.160	0.040	G	1.70	0.16	M *	8.4678	0.0053	0.039	61	*	8.41	8.55		U 2	18232−2825	H 1	2 C S D	AB	221	0.176	0.028	1.89	1.07	W

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)																						Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	$\alpha*$	$\alpha*$	δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr																			%	
1 2	3	4	5 6 7		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28										29	30
90101	18 23 15.11	+49 57 49.4	8.39	H	275.812 975 89	+49.963 724 83		2.19	5.94	−16.81	0.66	0.53	0.69	0.76	0.64	− 1	−25	+ 0	− 1	+13	−11	+14	− 4	− 3	− 4											3	0.84
90102	18 23 15.90	+81 13 13.1	9.75	H	275.816 238 42	+81.220 303 51		16.68	−109.14	154.43	1.03	1.07	1.14	1.35	1.59	− 2	−10	− 2	− 4	− 3	+13	− 1	−18	− 1	+ 9											2	−1.93
90103	18 23 16.54	+56 07 54.1	10.60	H	275.818 936 62	+56.131 697 03		3.56	41.95	25.93	1.18	1.02	1.12	1.27	1.08	+10	−20	+ 5	+31	+20	−12	+24	+11	− 7	+26											0	0.28
90104	18 23 16.88	+13 18 07.4	9.81	H	275.820 323 96	+13.302 054 87		4.03	−8.23	7.22	1.17	1.04	1.55	1.34	1.25	+25	−41	−30	−23	+ 0	+ 0	− 5	−34	+10	− 7											0	1.50
90105	18 23 16.90	−48 21 38.4	7.39	G	275.820 412 02	−48.360 680 32		7.45	−4.71	−56.23	0.77	0.51	0.92	0.87	0.52	− 8	−29	−14	+33	−36	− 2	−33	+18	+ 9	− 5											0	−0.71
90106	18 23 17.08	−43 13 44.0	9.68	H	275.821 158 32	−43.228 899 91		−0.07	8.26	−10.00	1.50	1.04	1.71	1.92	1.17	−15	−19	− 2	+ 3	+ 7	−17	+ 0	−37	+ 9	−33											0	0.43
90107	18 23 17.57	−13 35 39.5	8.12	2 G	275.823 205 13	−13.594 299 96		1.45	−0.44	−1.08	1.27	0.90	1.24	1.65	1.06	−35	+ 3	−20	−54	+36	−27	+34	−53	+ 5	−65											0	1.23
90108	18 23 17.85	−53 25 35.9	8.53	2 H	275.824 364 47	−53.426 645 05		3.95	0.32	−10.41	1.25	0.90	1.54	1.30	0.94	+18	−35	−33	+ 7	−35	+11	−38	−28	+26	+11											0	−0.20
90109 H	18 23 19.04	−42 46 46.2	8.01	H	275.829 331 16	−42.779 509 77	A	10.15	−12.41	−82.37	3.46	2.34	2.60	3.94	2.33	−23	−30	− 3	+15	− 9	−15	−13	−18	+ 7	−52											4	0.52
90110	18 23 19.15	−18 34 29.2	10.53	3 H	275.829 789 75	−18.574 773 48		−0.99	1.08	3.81	2.17	1.50	2.28	2.74	1.97	−17	−35	−15	+24	+ 3	−11	− 9	+ 8	+24	−43											0	−0.13
90111	18 23 19.46	+14 42 00.2	6.74	H	275.831 085 00	+14.700 066 09		5.62	−9.22	−10.12	0.58	0.53	0.91	0.90	0.70	−11	− 6	−25	+ 1	+29	−20	+22	−20	+19	−10											0	−0.74
90112	18 23 19.64	−39 31 12.0	9.34	H	275.831 835 10	−39.519 998 37		19.87	−7.20	3.34	1.69	0.94	1.69	1.94	1.12	+16	−22	−13	+21	+ 3	+12	+ 3	−37	+ 3	+ 0											2	1.54
90113	18 23 19.93	−20 39 13.1	7.63	2 G	275.833 029 64	−20.653 634 53		−0.39	0.02	−0.76	1.01	0.58	1.03	1.39	0.75	+16	−21	− 3	+36	+ 0	+11	− 5	−23	+23	+16											0	1.10
90114	18 23 21.29	+34 51 13.1	8.91	G	275.838 719 59	+34.853 633 87		5.52	−1.63	35.05	0.68	0.79	0.97	0.80	1.01	+12	−19	− 4	+ 4	−11	−19	−11	−39	+20	+20											0	2.62
90115	18 23 22.79	−12 40 51.8	9.79	2 H	275.844 965 60	−12.681 045 73		−1.99	−1.76	0.47	1.49	1.10	1.73	1.62	1.15	+13	−32	−35	−12	+ 4	− 6	+ 1	−26	− 7	−21											3	1.73
90116	18 23 23.30	+25 59 48.7	8.86	H	275.847 070 96	+25.996 856 36		4.67	1.72	−3.42	0.65	0.79	1.09	0.77	0.85	− 4	−21	+ 8	+13	+20	+ 1	+16	+12	+ 8	+ 2											0	−1.30
90117	18 23 23.45	+38 18 08.6	7.86	H	275.847 713 46	+38.302 379 71		1.51	−4.55	−21.96	0.60	0.56	0.75	0.70	0.69	− 7	−16	−13	+ 1	+15	−12	+15	−20	+ 5	− 2											0	0.80
90118	18 23 24.13	+62 46 48.1	8.00	H	275.850 556 76	+62.780 031 77		5.83	1.38	29.81	0.67	0.62	0.70	0.76	0.69	+10	−11	− 2	+11	+14	+10	+17	− 4	+12	+38											1	1.24
90119	18 23 25.56	−26 57 10.8	9.35	G	275.856 503 99	−26.952 995 42		−1.56	−2.71	−8.08	1.34	0.79	1.50	1.58	1.02	+23	−51	−24	+ 5	+ 1	+ 7	−11	−35	+25	+13											0	−2.09
90120 H	18 23 25.74	+23 27 18.8	8.68	H	275.857 257 10	+23.455 233 39	A	13.05	3.93	40.11	1.06	1.45	1.62	1.05	1.26	+11	+ 1	− 2	+20	+ 8	+ 6	+ 9	+18	+ 9	+ 4											1	0.65
90121	18 23 26.24	−27 30 08.7	8.10	H	275.859 326 43	−27.502 430 46		2.10	5.68	0.06	1.08	0.68	1.19	1.28	0.81	+ 4	−42	+14	+ 3	+ 4	+ 5	+ 4	−40	− 4	+11											3	−0.93
90122	18 23 27.55	−74 03 19.1	8.55	1 H	275.864 774 68	−74.055 317 57		2.64	9.53	−15.07	0.68	0.84	1.14	0.69	0.91	− 4	−17	+ 1	− 7	− 5	− 9	− 5	−19	− 2	− 8											0	1.15
90123	18 23 28.26	+00 20 33.9	8.48	H	275.867 731 11	+00.342 753 56		4.90	3.34	−6.83	1.16	0.83	1.28	1.23	1.00	+14	−47	−30	+21	+ 6	+ 1	+ 1	+13	+10	+ 1											0	0.46
90124	18 23 28.82	−36 14 16.8	5.52	H	275.870 088 00	−36.238 000 04		10.21	7.61	5.34	0.73	0.50	0.77	0.82	0.50	−15	−30	−11	− 8	+24	− 9	+19	−43	− 6	−30											0	−1.81
90125	18 23 30.00	−42 19 22.4	7.07	H	275.875 009 57	−42.322 901 56		5.22	−18.58	−57.21	0.79	0.55	0.94	1.07	0.69	−14	−18	−12	+ 6	+ 2	−10	− 4	−27	+13	−25											0	−0.08
90126	18 23 32.60	+05 19 54.7	7.53	H	275.885 849 19	+05.331 849 84		4.28	0.82	−13.32	0.80	0.58	0.88	0.84	0.68	− 9	− 6	+ 2	−33	− 9	+ 2	−12	−52	+ 3	−10											0	0.74
90127	18 23 33.10	−39 34 21.9	8.77	H	275.887 918 18	−39.572 758 43		1.75	−0.68	7.64	1.12	0.73	1.30	1.62	1.01	−15	− 1	− 7	+ 9	−12	+14	+ 0	−39	+25	+14											0	1.90
90128 H	18 23 33.27	−26 10 17.3	7.69	G	275.888 631 67	−26.171 477 53	A	10.86	3.13	−32.03	1.75	1.27	1.53	1.66	1.00	+14	−31	−35	+15	+19	−23	− 5	−37	+31	−18											0	0.17
90129	18 23 34.46	+25 33 59.0	8.94	H	275.893 572 84	+25.566 381 98		2.05	13.13	−14.13	0.69	0.91	1.22	1.00	1.10	− 2	− 6	+ 6	+11	+16	− 6	+17	− 5	+ 4	+22											2	−1.84
90130	18 23 34.93	−21 39 50.4	7.80	H	275.895 546 31	−21.663 988 10		0.57	0.74	1.00	1.00	0.62	1.12	1.08	0.71	+16	−44	−29	+22	+18	−16	− 4	−40	+31	− 7											2	1.18
90131	18 23 34.94	−06 15 02.9	8.28	H	275.895 587 78	−06.250 798 37		11.44	−28.99	−21.64	1.01	0.80	1.18	1.06	0.87	+17	−32	−27	−26	−18	+17	− 9	−17	−17	+ 2											0	2.10
90132	18 23 35.81	+50 47 29.5	8.88	H	275.899 207 77	+50.791 541 43		5.56	44.84	−12.18	0.72	0.58	0.72	0.89	0.67	+ 8	− 7	− 7	+21	+19	−10	+17	+ 4	+10	+10											1	−0.02
90133	18 23 36.44	−75 02 39.6	5.47	H	275.901 826 21	−75.044 325 57		16.59	4.48	20.06	0.37	0.44	0.57	0.40	0.44	− 1	− 8	−12	−12	− 5	−21	− 9	−25	− 4	−19											2	−0.53
90134	18 23 38.70	+19 58 28.2	9.21	H	275.911 262 71	+19.974 508 69		2.60	−10.49	−12.78	0.72	0.73	1.22	0.83	0.81	− 2	− 1	+ 3	+44	+33	−15	+22	+ 2	+17	−30											2	0.96
90135	18 23 39.55	−08 56 04.2	4.66	H	275.914 807 55	−08.934 510 38		17.08	51.89	52.29	0.70	0.51	0.87	0.81	0.62	− 8	−45	−13	− 2	−15	+37	− 6	+13	− 9	−16											0	2.38
90136	18 23 39.79	−54 49 04.9	8.47	H	275.915 807 38	−54.818 028 01		13.19	13.80	−117.02	1.06	0.86	1.24	1.14	0.98	+ 1	−16	+ 2	+24	−35	−10	−33	− 9	− 7	+ 5											2	−0.04
90137	18 23 41.08	−43 50 09.1	9.68	H	275.921 182 77	−43.835 847 73		5.00	28.05	−16.73	1.54	1.00	1.74	1.97	1.26	−14	−46	− 6	−25	+15	+ 8	+ 8	−46	+ 6	−32											0	−0.70
90138	18 23 41.24	−48 35 52.9	10.05	G	275.921 819 09	−48.598 037 71		3.93	−8.96	2.78	1.40	0.89	1.65	1.53	0.92	+10	−35	−14	+38	−29	− 2	−26	+15	+11	+15											0	−1.66
90139	18 23 41.77	+21 46 13.2	3.85	G	275.924 028 21	+21.770 342 49		25.40	195.54	−242.92	0.41	0.42	0.65	0.44	0.44	+10	− 8	+ 3	+52	+22	− 6	+21	+11	+14	+ 9											1	0.80
90140	18 23 44.07	+38 20 42.3	6.92	H	275.933 615 02	+38.345 074 37		6.15	−9.62	17.51	0.47	0.43	0.58	0.57	0.54	+ 3	−14	− 8	+14	+12	−15	+11	−14	+ 3	+ 3											0	1.32
90141 H	18 23 45.03	+51 38 55.8	8.51	H	275.937 607 24	+51.648 819 60	A	15.72	47.39	131.58	1.93	1.85	1.70	1.96	1.93	+12	+ 0	−11	−17	− 1	+ 5	− 2	+ 7	+ 6	+ 6											2	0.52
90142	18 23 46.13	+16 53 59.0	9.51	H	275.942 220 96	+16.899 727 83		2.35	−0.48	−7.69	1.05	1.03	1.58	1.36	1.15	−14	−28	+ 0	+ 7	+34	−15	+28	−24	+16	+ 2											3	1.82
90143	18 23 46.74	+23 40 58.0	7.04	H	275.944 757 61	+23.682 764 02		6.11	−22.99	57.67	0.35	0.49	0.72	0.49	0.54	+ 9	− 9	− 7	+26	+18	+ 0	+13	+34	+11	+ 3											0	0.00
90144	18 23 46.99	+14 54 28.4	7.79	H	275.945 776 91	+14.907 880 08		16.76	124.69	−63.47	0.74	0.62	1.13	1.16	0.84	− 9	−13	−19	+14	+30	−25	+21	−16	+28	− 8											0	−2.02
90145	18 23 47.33	−21 17 29.7	9.93	H	275.947 191 39	−21.291 570 94		0.29	2.49	1.45	1.57	1.00	1.66	1.88	1.18	+18	−40	−15	+21	− 5	−19	−17	−41	+13	+ 0											0	0.46
90146	18 23 47.95	+53 18 03.1	6.35	H	275.949 811 91	+53.300 863 19		9.59	23.59	−10.67	0.46	0.45	0.48	0.48	0.53	− 2	− 6	−15	− 1	+15	−12	+16	+24	−15	+ 0											3	2.49
90147	18 23 48.07	−05 08 57.3	11.16	G	275.950 297 65	−05.149 241 46		34.46	290.26	−406.66	2.75	1.80	3.30	2.65	2.24	+ 8	−55	−20	− 4	−10	+23	+13	+ 8	−33	−24											0	1.14
90148	18 23 49.33	+02 27 53.6	9.23	G	275.955 559 69	+02.464 898 38		4.73	−3.09	−4.34	1.29	1.07	1.44	1.20	1.01	−23	− 6	−39	−43	+34	−13	+29	−34	+16	− 5											0	0.74
90149	18 23 49.38	+10 42 29.5	9.92	G	275.955 746 32	+10.708 204 14		3.86	0.52	1.40	1.15	0.91	1.44	1.36	1.19	+28	−33	−20	−43	+ 8	+21	−12	−46	+27	+34											0	−1.31
90150	18 23 49.59	−01 08 47.1	7.71	H	275.956 637 92	−01.146 410 60		4.83	3.44	−11.18	0.82	0.64	0.93	0.77	0.65	+10	−29	−22	−21	− 5	+15	+ 3	− 6	−10	−11											0	1.42
90151	18 23 50.89	−45 08 22.7	8.67	H	275.962 045 53	−45.139 626 94		22.43	42.62	−149.15	1.07	0.74	1.19	1.38	0.89	−27	−13	− 6	− 4	+16	−10	+ 9	−36	+16	−42											0	−0.32
90152	18 23 51.05	−42 25 20.0	7.84	H	275.962 704 97	−42.422 212 41		16.03	27.93	−89.11	0.89	0.61	1.03	1.15	0.72	−15	−15	− 7	+ 5	+ 2	− 8	− 5	−30	+ 8	−32											2	0.88
90153 H	18 23 51.19	−19 30 16.3	9.97	G	275.963 303 52	−19.504 522 46	A	13.08	−3.55	−37.37	8.34	5.74	8.67	8.69	6.26	+28	−61	−39	+31	+35	−34	− 6	−20	+41	−25											3	0.52
90154	18 23 51.21	−27 46 16.7	10.40	G	275.963 386 70	−27.771 306 01		12.30	−127.64	−207.02	2.03	1.31	2.22	2.52	1.68	+14	−43	− 2	− 5	+ 2	− 5	+ 3	−50	+ 7	+28											0	1.28
90155	18 23 53.05	−63 23 08.0	7.91	H	275.971 033 35	−63.385 559 82		4.26	5.12	−30.17	0.64	0.63	0.96	0.75	0.66	+ 2	−16	+ 7	−11	+14	− 3	+15	−24	− 9	+29											0	−0.04
90156 H	18 23 54.65	+58 48 02.1	4.98	G	275.977 703 88	+58.800 585 20	A	17.31	−37.64	62.08	0.52	0.50	0.48	0.53	0.57	+ 1	−18	−13	+23	− 3	+ 8	+ 2	+19	−21	− 6											1	−0.11
90157	18 23 54.83	−44 58 09.9	8.73	H	275.978 465 77	−44.969 411 30		4.37	−1.71	−6.50	1.12	0.75	1.22	1.55	0.95	−19	−35	− 8	+13	+ 2	− 7	− 9	−25	+ 8	−47											2	−0.09
90158	18 23 55.62	−30 19 02.0	9.46	H	275.981 740 47	−30.317 215 01		9.25	−8.74	−68.82	1.49	1.04	1.67	2.16	1.28	−12	−28	−21	+ 1	+40	−22	+17	−45	+26	−44											3	−0.48
90159	18 23 55.78	+17 14 06.2	8.69	H	275.982 412 68	+17.235 047 10		0.20	5.67	1.19	0.91	0.87	1.33	1.07	1.00	−19	−34	+24	+15	+20	− 3	+19	−11	+17	+13											0	−0.32
90160	18 23 55.99	+31 21 24.3	7.87	H	275.983 281 87	+31.356 742 60		3.54	24.13	−35.70	0.52	0.57	0.73	0.58	0.71	+ 3	− 3	− 2	+16	+ 8	−16	+10	+ 3	− 5	+10											0	0.54
90161	18 23 56.02	+00 48 26.6	8.90	H	275.983 415 64	+00.807 378 70		4.59	−31.93	−2.66	1.10	0.92	1.34	1.27	1.10	+ 6	−34	−37	− 6	−14	+22	− 7	+ 4	+ 4	−13											0	0.59
90162	18 23 56.59	−60 02 51.1	9.25	H	275.985 803 06	−60.047 533 29		24.52	−106.35	−185.92	1.11	0.97	1.43	1.40	1.25	−11	−16	+ 3	+33	−10	+21	−14	+30	+35	+15											0	2.22
90163	18 23 57.27	+38 44 21.0	6.41	H	275.988 643 82	+38.739 176 74		3.80	7.79	13.64	0.46	0.44	0.57	0.57	0.56	+ 5	−10	− 5	+21	+20	−15	+16	−19	− 3	+ 3											0	−0.09
90164	18 23 57.28	+30 17 16.9	8.35	H	275.988 673 62	+30.288 028 07		3.17	3.41	16.10	0.60	0.70	0.87	0.66	0.88	+ 9	+ 6	+ 0	+ 5	− 3	−17	+ 1	−24	+ 2	+20											0	0.49
90165	18 23 57.78	−45 08 14.4	8.33	H	275.990 747 59	−45.137 319 45		4.33	−8.07	22.56	1.03	0.71	1.17	1.33	0.86	−18	−19	− 9	− 1	+16	−11	+ 8	−36	+18	−31											0	−1.39
90166	18 23 57.96	−33 14 52.8	9.67	G	275.991 501 73	−33.247 994 26		6.60	−5.80	−30.52	1.51	1.07	1.77	2.05	1.24	+33	−27	−26	− 1	+ 8	−31	−12	−47	+23	+ 5											0	0.97
90167	18 23 58.29	+09 52 39.7	8.91	H	275.992 888 67	+09.877 689 35		2.75	6.79	−5.11	1.05	0.82	1.34	1.25	1.04	+19	−11	−18	−30	+15	− 1	+10	−40	+36	+16											1	0.50
90168	18 23 59.39	+10 33 02.5	8.19	H	275.997 476 00	+10.550 685 33		5.34	−1.88	−13.53	0.87	0.69	1.14	1.07	0.90	+10	−29	−11	−37	+ 0	+12	− 5	−41	+26	+26											0	0.82
90169	18 23 59.85	−24 46 13.6	9.39	H	275.999 363 76	−24.770 435 17		0.48	−1.09	−3.40	1.14	0.75	1.26	1.31	0.84	− 2	−28	−16	− 1	+25	−22	+11	−50	+14	−24											0	−0.01
90170	18 23 59.94	+43 54 27.9	6.63	2 H	275.999 767 76	+43.907 743 46		2.26	18.53	−3.82	0.50	0.41	0.57	0.57	0.62	+ 5	+14	+ 1	+ 0	+ 7	+ 6	+ 8	+ 0	− 2	+ 3											1	−0.09
90171 H	18 24 00.68	−51 07 48.0	10.28	H	276.002 851 86	−51.130 002 24	A	12.13	39.09	−154.49	5.79	4.53	6.11	8.25	6.17	+12	−15	+23	+ 3	−40	−22	−30	−24	+55											0	0.55
90172	18 24 01.34	+08 39 16.5	8.47	H	276.005 591 81	+08.654 580 47		4.38	−24.29	−61.95	0.79	0.63	1.06	0.97	0.81	+22	−23	− 1	−13	+13	+33	+11	−24	+19	+27											0	−0.37
90173	18 24 02.20	−00 00 05.9	8.73	H	276.009 166 45	−00.001 628 55		6.76	27.05	−3.96	1.17	0.86	1.23	1.27	1.02	+24	−34	−30	+ 8	+15	+12	+21	+18	− 7	+23											0	−0.36
90174	18 24 03.60	−03 34 58.9	6.36	H	276.014 991 07	−03.583 041 61		15.10	−16.78	−47.43	0.69	0.56	0.79	0.71	0.63	+12	−32	−19	−10	+ 5	+11	+ 9	+ 9	− 6	+ 4											0	0.36
90175	18 24 03.94	+01 29 58.3	8.58	H	276.016 404 35	+01.499 519 29	A	9.22	−19.40	−20.39	1.77	1.54	2.02	1.79	1.55	+20	−27	−35	+ 2	+14	+ 8	+17	+ 1	+ 0	+ 2											5	0.65
90176	18 24 05.63	+20 27 08.1	6.75	H	276.023 438 46	+20.452 250 64		11.84	−21.20	50.80	0.45	0.48	0.72	0.47	0.50	+19	+ 6	+ 7	+57	+30	+ 9	+26	+26	+11	+10											0	1.24
90177	18 24 06.39	+42 06 26.4	8.51	H	276.026 629 58	+42.107 329 85		2.86	1.55	11.33	0.65	0.58	0.77	0.72	0.76	− 3	− 2	− 4	+ 3	+12	−14	+14	−20	+11	− 5											1	1.07
90178	18 24 07.64	−32 25 19.9	9.78	H	276.031 840 21	−32.422 191 94		7.64	−19.50	−20.05	1.57	1.10	1.75	2.09	1.34	+24	−24	+11	− 2	−20	−20	−13	−43	−12	+31											0	1.28
90179	18 24 08.55	+79 13 21.2	6.54	H	276.035 612 91	+79.222 544 30		7.83	−12.92	63.26	0.46	0.46	0.50	0.47	0.55	+15	− 4	+ 9	+ 8	+ 1	− 3	+ 2	− 3	+24	+21											0	−0.13
90180	18 24 08.91	−11 53 55.5	10.19	H	276.037 139 20	−11.898 757 21		1.89	1.30	−12.19	1.55	1.19	1.77	1.45	1.06	+22	−32	−38	−10	+ 6	−13	− 1	−19	+ 6	−12											2	0.53
90181	18 24 09.04	+10 57 28.1	7.82	H	276.037 655 93	+10.957 817 34		4.58	−5.44	0.89	0.79	0.59	0.92	0.91	0.76	+ 9	−24	−12	−39	+ 4	+15	+ 1	−31	+19	+25											0	0.12
90182	18 24 09.18	+83 10 31.6	6.16	H	276.038 252 40	+83.175 456 53		5.95	18.39	−23.40	0.46	0.48	0.52	0.53	0.52	+ 5	−14	−11	+12	+ 4	−23	+ 5	−20	− 1	+17											7	−0.40
90183	18 24 09.96	+34 29 40.3	7.51	H	276.041 497 67	+34.494 524 13		6.61	21.77	0.44	0.51	0.56	0.71	0.61	0.68	+13	−11	+ 3	+ 7	− 5	−14	+ 1	−32	+ 9	+28											0	−0.16
90184	18 24 10.05	−26 26 50.3	7.57	G	276.041 873 26	−26.447 303 02		5.53	1.00	6.36	1.02	0.59	1.09	1.18	0.72	+24	−47	−19	+20	+ 8	− 5	− 4	−31	+16	+ 9											2	−0.25
90185	18 24 10.35	−34 23 03.5	1.79	H	276.043 109 67	−34.384 314 60		22.55	−39.61	−124.05	0.90	0.60	1.02	0.92	0.59	− 9	−44	+28	+ 4	−13	−17	+ 1	−42	−30	−13											6	0.56
90186	18 24 10.40	+77 33 40.6	7.03	H	276.043 325 00	+77.561 288 29		9.65	40.22	38.05	0.51	0.51	0.54	0.56	0.57	+ 7	−20	+ 6	+15	+15	−16	+18	+ 8	−14	+ 6											1	0.27
90187	18 24 10.94	+42 28 01.0	6.65	H	276.045 602 29	+42.466 952 14		9.81	4.26	−19.92	0.45	0.38	0.52	0.53	0.52	− 3	− 2	− 6	− 1	+13	−25	+13	−16	+ 8	− 9											1	2.22
90188	18 24 11.63	+28 17 24.9	9.19	H	276.048 440 10	+28.290 237 50		9.21	−4.64	23.39	0.74	0.88	1.16	0.89	1.10	−10	+ 9	− 4	+ 2	+ 9	+ 7	+11	− 4	+12	+ 1											0	−0.77
90189 H	18 24 12.27	−54 33 32.0	9.56	H	276.051 129 83	−54.558 881 57	B	17.57	−130.78	48.91	4.83	3.97	5.02	5.33	4.14	+ 2	−15	−13	+ 2	−33	+ 1	−33	− 9	+ 5	− 6											1	1.84
90190	18 24 12.73	+29 47 03.0	11.69	2 H	276.053 024 69	+29.784 167 56		20.64	127.37	−183.94	1.84	2.21	2.96	2.55	2.84	+10	+ 4	−17	− 8	+ 2	−12	+ 4	−30	+28	+25											1	−2.92
90191	18 24 13.80	+39 30 26.1	5.11	H	276.057 507 33	+39.507 249 83		7.39	−21.31	−4.56	0.41	0.39	0.52	0.45	0.56	− 3	− 5	− 7	+ 9	+ 4	− 7	+ 3	− 7	− 6

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″		ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65		66	67	68-70
90101	9.937	0.022	8.522	0.012		1.195	0.020	T	1.15	0.02	L	8.5593	0.0012	0.013	123		8.54	8.58		C			1								
90102	10.569	0.039	9.814	0.031		0.674	0.038	T	0.73	0.03	L	9.8854	0.0030	0.028	95		9.84	9.94					1								
90103	11.309	0.064	10.570	0.053		0.677	0.066	T	0.74	0.06	L	10.7433	0.0035	0.037	120		10.68	10.80					1								G
90104	11.672	0.096	10.013	0.035		1.387	0.081	T	1.36	0.10	L	9.9567	0.0031	0.026	96		9.91	10.01					1								G
90105	7.733	0.007	7.423	0.008		0.293	0.009	G	0.33	0.01	H	7.4707	0.0014	0.012	111		7.45	7.49		C			1								S
90106	10.939	0.056	9.817	0.035		0.966	0.051	T	0.95	0.04	L	9.8467	0.0041	0.023	86		9.80	9.89		C			1								G
90107	9.511	0.027	8.326	0.017		1.015	0.025	T	0.99	0.02	L	8.2210	0.0031	0.018	47		8.19	8.26		U 2			1								
90108	9.996	0.031	8.690	0.018		1.110	0.028	T	1.07	0.03	L	8.7006	0.0053	0.055	71		8.62	8.78		U 2			1								P
90109	8.444	0.022	8.019	0.023	*	0.401	0.030	T	0.47	0.03	L *	8.1073	0.0022	0.017	91	*	8.07	8.14		R	18233−4247	I 1	2 C	A	AB	135	3.097	0.004	0.32	0.02	
90110	12.839	0.478	10.539	0.096		1.897	0.391	T	1.93	0.40	L	10.6184	0.0818	0.328	35		10.30	11.04	6.57	P 1 A			1								G
90111	6.685	0.004	6.727	0.005		−0.034	0.006	T	−0.01	0.01	L	6.7334	0.0009	0.009	113		6.72	6.75		C			1								S
90112	10.351	0.031	9.427	0.023		0.804	0.030	T	0.83	0.02	L	9.4758	0.0024	0.018	98		9.44	9.50		C			1 G								
90113	10.327	0.041	7.901	0.012		2.100	0.015	G	2.18	0.14	K	7.6074	0.0037	0.029	66		7.54	7.65		U 2			1	S							
90114	9.290	0.015	8.912	0.016		0.380	0.010	G	0.44	0.01	H	8.9831	0.0020	0.018	118		8.95	9.01					1								
90115	12.458	0.312	10.518	0.092		1.645	0.268	T	2.35	0.57	K	9.8342	0.0099	0.104	67		9.64	10.06		U 2 C			1	S							G
90116	8.943	0.010	8.855	0.012		0.086	0.015	T	0.10	0.02	L	8.8952	0.0018	0.024	172		8.85	8.94					1	S							
90117	9.702	0.019	8.008	0.009		1.415	0.017	T	1.40	0.03	L	7.9991	0.0014	0.016	126		7.97	8.02		C			1								S
90118	8.265	0.010	8.010	0.011		0.243	0.014	T	0.27	0.02	L	8.0703	0.0014	0.013	85		8.04	8.09					1								S
90119	9.355	0.023	9.365	0.033		0.065	0.056	G	0.07	0.06	H	9.3258	0.0021	0.014	72		9.30	9.35		C			1	S							
90120	9.201	0.013	8.502	0.012	*	0.644	0.015	T	0.71	0.01	L *	8.8140	0.0015	0.021	259	*	8.78	8.85		D	18234+2327	I 1	2 C	A	AB	330	2.556	0.007	1.33	0.03	
90121	8.289	0.012	8.130	0.014		0.145	0.017	T	0.16	0.02	L	8.1526	0.0018	0.017	73		8.13	8.18					1								S
90122	10.695	0.030	8.752	0.011		1.647	0.026	T	2.07	0.07	O	8.6236	0.0021	0.027	180		8.58	8.67		U			1	S							
90123	8.998	0.018	8.549	0.018		0.424	0.023	T	0.49	0.02	L	8.5703	0.0016	0.012	59		8.55	8.59		C			1								S
90124	6.816	0.005	5.636	0.004		1.015	0.005	G	0.99	0.00	H	5.6889	0.0008	0.006	77		5.68	5.70		C			1								S
90125	8.396	0.012	7.195	0.007		1.028	0.011	T	1.00	0.01	L	7.2354	0.0009	0.009	84		7.22	7.26					1								S
90126	7.516	0.007	7.527	0.009		−0.010	0.015	G	0.01	0.01	H	7.5357	0.0010	0.009	96		7.52	7.55		C			1								S
90127	9.300	0.015	8.820	0.015		0.452	0.019	T	0.52	0.02	L	8.8726	0.0019	0.014	95		8.84	8.90					1								
90128	8.293	0.011	7.763	0.012	*	0.496	0.010	G	0.57	0.01	H *	7.7900	0.0016	0.010	79	*	7.78	7.81		D	18236−2610	I 1	2 C	A	AS	149	0.463	0.003	1.08	0.02	S
90129	10.377	0.027	9.087	0.015		1.097	0.024	T	1.06	0.03	L	9.1128	0.0019	0.022	165		9.06	9.16					1								
90130	10.437	0.040	8.101	0.012		1.926	0.034	T	1.96	0.04	L	7.8879	0.0022	0.015	76		7.86	7.91					1								
90131	8.937	0.015	8.347	0.014		0.588	0.015	G	0.66	0.01	H	8.4106	0.0016	0.011	56		8.39	8.43		C			1								
90132	9.220	0.016	8.895	0.018		0.309	0.023	T	0.35	0.03	L	8.9617	0.0022	0.020	106		8.93	9.00					1								
90133	5.516	0.002	5.469	0.002		0.043	0.003	T	0.06	0.00	L	5.4886	0.0005	0.006	165		5.48	5.50					1								S
90134	11.131	0.050	9.345	0.018		1.488	0.042	T	1.51	0.06	L	9.3389	0.0014	0.019	158		9.31	9.37		C			1								
90135	5.885	0.004	4.773	0.003		0.932	0.039	G	0.94	0.02	A	4.8265	0.0006	0.004	61		4.82	4.83					1 G								S
90136	9.206	0.018	8.531	0.016		0.614	0.018	T	0.68	0.02	L	8.5967	0.0028	0.024	84		8.55	8.64					1								
90137	10.096	0.040	9.674	0.043		0.412	0.048	T	0.48	0.05	L	9.7730	0.0032	0.024	80		9.72	9.82					1								G
90138	10.615	0.040	10.036	0.038		0.490	0.020	G	0.56	0.02	H	10.1669	0.0030	0.025	113		10.12	10.20					1								G
90139	5.369	0.002	3.979	0.002		1.168	0.005	G	1.13	0.03	C	4.0052	0.0003	0.004	158		4.00	4.01		C	18236+2147	I 1	1								S
90140	6.907	0.004	6.916	0.006		−0.004	0.007	T	0.02	0.01	L	6.9260	0.0011	0.008	129		6.91	6.94		C	18237+3821	I 1	1								S
90141	9.083	0.023	8.392	0.018	*	0.638	0.024	T	0.70	0.02	L *	8.6380	0.0023	0.017	102	*	8.60	8.67		D	18238+5139	I 1	2 C	A	AB	205	2.595	0.006	0.11	0.02	S
90142	9.710	0.021	9.483	0.025		0.217	0.031	T	0.24	0.04	L	9.5738	0.0034	0.025	93		9.54	9.62					1								
90143	8.804	0.007	7.190	0.004		1.352	0.006	T	1.32	0.01	L	7.1881	0.0008	0.011	264		7.17	7.21		C			1								S
90144	8.509	0.010	7.866	0.009		0.597	0.012	T	0.67	0.01	L	7.9222	0.0014	0.012	108		7.90	7.94		C			1								S
90145	12.112	0.204	10.200	0.058		1.580	0.020	G	1.55	0.02	J	10.0495	0.0035	0.027	77		10.01	10.10		C			1								G
90146	6.558	0.003	6.374	0.004		0.168	0.008	G	0.15	0.03	C	6.4032	0.0008	0.007	116		6.39	6.42					1	S							S
90147						1.383	0.003	G	1.63	0.01	I	11.2859	0.0061	0.029	46		11.22	11.35		C			1								G
90148	9.814	0.032	9.228	0.030		0.460	0.015	G	0.53	0.02	H	9.3306	0.0028	0.023	66		9.30	9.37		C			1								
90149	10.285	0.027	9.956	0.032		0.360	0.020	G	0.42	0.02	H	10.0046	0.0024	0.024	119		9.97	10.04		C			1								G
90150	7.885	0.009	7.734	0.010		0.145	0.013	T	0.16	0.01	L	7.7637	0.0017	0.011	57		7.75	7.78		C			1								S
90151	9.704	0.023	8.726	0.016		0.845	0.022	T	0.86	0.02	L	8.8102	0.0022	0.016	82		8.78	8.84		C			1								
90152	8.457	0.013	7.904	0.009		0.524	0.012	T	0.60	0.01	L	7.9510	0.0013	0.011	86		7.93	7.97		C			1								
90153	11.726	0.202	10.341	0.103	B	0.910	0.020	G	0.91	0.01	H *	10.1207	0.0055	0.035	37	*	10.06	10.17		D	18239−1930	M 1	2 C	A	AB	255	1.160	0.012	0.10	0.03	G
90154						0.929	0.003	G	0.97	0.00	I	10.4949	0.0044	0.026	64		10.43	10.54		C			1								G
90155	9.235	0.016	8.024	0.010		1.036	0.015	T	1.01	0.01	L	8.0757	0.0014	0.016	156		8.05	8.11					1								
90156	5.117	0.004	5.041	0.004	A	0.082	0.002	G	0.05	0.03	C *	5.0103	0.0005	0.004	114	*	5.00	5.02		D	18240+5848	I 1	2 C	A	AB	350	3.783	0.010	3.00	0.04	S
90157	9.166	0.017	8.757	0.017		0.387	0.022	T	0.45	0.02	L	8.8241	0.0024	0.019	77		8.79	8.85					1								
90158	10.320	0.042	9.589	0.038		0.656	0.043	T	0.72	0.04	L	9.5911	0.0033	0.025	80		9.54	9.65		C			1	S							G
90159	10.854	0.045	8.886	0.015		1.632	0.038	T	1.65	0.04	L	8.8040	0.0034	0.024	91		8.75	8.85					1								
90160	9.148	0.011	7.987	0.007		0.997	0.010	T	0.98	0.01	L	8.0368	0.0014	0.014	148		8.01	8.06		C			1								S
90161	10.240	0.035	9.024	0.022		1.039	0.032	T	1.01	0.03	L	9.0684	0.0020	0.016	57		9.04	9.11					1								
90162	10.495	0.038	9.364	0.024		0.932	0.003	G	0.98	0.00	I	9.3954	0.0026	0.026	82		9.36	9.47					1	S							
90163	8.272	0.008	6.560	0.004		1.429	0.007	T	1.42	0.01	L	6.5516	0.0009	0.008	130		6.54	6.56			18240+3844	I 1	1 G								S
90164	8.601	0.009	8.369	0.010		0.221	0.013	T	0.24	0.01	L	8.4184	0.0020	0.017	129		8.38	8.45					1								S
90165	9.700	0.022	8.432	0.013		1.080	0.020	T	1.04	0.02	L	8.4995	0.0018	0.014	79		8.48	8.53		C			1								
90166	10.292	0.043	9.768	0.044		0.493	0.003	G	0.57	0.00	H	9.7875	0.0035	0.019	69		9.74	9.83		C			1								G
90167	9.079	0.012	8.941	0.015		0.133	0.018	T	0.15	0.02	L	8.9616	0.0025	0.020	136		8.93	9.00		C			1								
90168	9.605	0.016	8.321	0.010		1.093	0.015	T	1.05	0.02	L	8.3596	0.0022	0.018	126		8.33	8.40					1								
90169	9.664	0.027	9.425	0.035		0.228	0.042	T	0.25	0.05	L	9.4577	0.0021	0.016	92		9.41	9.48					1								G
90170	8.807	0.013	6.822	0.006		1.682	0.012	T	2.01	0.05	O	6.7072	0.0066	0.034	100		6.61	6.77		U 2			1	S							S P
90171	11.620	0.119	10.563	0.073	A	0.735	0.126	G	0.78	0.11	R *	10.4260	0.0051	0.041	78	*	10.37	10.49		D	18240−5108	I 1	2 C	D	AB	15	3.749	0.018	1.27	0.10	G D
90172	9.296	0.012	8.551	0.011		0.681	0.013	T	0.74	0.01	L	8.6065	0.0015	0.018	144		8.57	8.64		C			1								
90173	9.092	0.021	8.769	0.023		0.307	0.029	T	0.35	0.04	L	8.8116	0.0022	0.017	54		8.78	8.83		C			1								
90174	6.764	0.007	6.393	0.007		0.351	0.009	T	0.41	0.01	L	6.4439	0.0010	0.009	62		6.43	6.47					1								S
90175	8.976	0.016	8.609	0.017	A	0.348	0.021	T	0.41	0.03	L	8.6587	0.0114	0.030	57	A	8.63	8.75		D	18241+0130	I 1	2 C	A	AB	229	12.664	0.015	2.03	0.07	S
90176	7.096	0.004	6.775	0.004		0.305	0.005	T	0.35	0.01	L	6.8226	0.0010	0.010	178		6.81	6.84			18241+2027	I 1	1								S
90177	9.913	0.023	8.598	0.014		1.117	0.021	T	1.08	0.02	L	8.6823	0.0016	0.014	125		8.66	8.71					1								
90178	10.247	0.042	9.849	0.050		0.389	0.055	T	0.45	0.06	L	9.8679	0.0027	0.017	68		9.83	9.91		C			1								G
90179	7.929	0.009	6.646	0.004		1.092	0.008	T	1.05	0.01	L	6.7061	0.0009	0.009	120		6.69	6.72					1								S
90180	10.914	0.068	10.345	0.069		0.532	0.086	T	0.60	0.09	L	10.3105	0.0041	0.028	72		10.26	10.35		C			1								G
90181	7.990	0.008	7.837	0.008		0.147	0.011	T	0.16	0.01	L	7.8694	0.0016	0.013	122		7.84	7.90		C			1								S
90182	6.224	0.004	6.167	0.004		0.051	0.005	T	0.06	0.00	L	6.1881	0.0006	0.007	110		6.18	6.20					1								S
90183	8.523	0.010	7.601	0.008		0.816	0.010	T	0.84	0.01	L	7.6683	0.0009	0.010	138		7.65	7.69		C			1								S
90184	9.531	0.029	7.723	0.013		1.500	0.015	G	1.53	0.02	H	7.6903	0.0016	0.012	74		7.67	7.71					1								
90185	1.833	0.007	1.810	0.007		−0.031	0.004	G	0.01	0.02	A	1.7986	0.0008	0.004	43		1.79	1.81			18242−3423	I 1	1								S
90186	8.296	0.010	7.142	0.008		0.991	0.010	T	0.97	0.01	L	7.1910	0.0013	0.011	111		7.17	7.21					1								S
90187	6.769	0.004	6.669	0.005		0.097	0.006	T	0.11	0.01	L	6.6864	0.0009	0.008	120		6.67	6.70		C			1								S
90188	9.961	0.020	9.210	0.017		0.686	0.021	T	0.74	0.02	L	9.3293	0.0018	0.024	168		9.28	9.37					1								
90189	10.535	0.058	9.627	0.044	*	0.791	0.056	T	0.82	0.04	L *	9.7038	0.0030	0.025	75	*	9.66	9.75		D	18242−5434	I 1	2 C	A	BA	180	3.348	0.008	0.18	0.03	
90190						0.800	0.200	G	0.83	0.14	R	11.8404	0.0066	0.061	124		11.62	11.93		U			1								G
90191	5.165	0.003	5.119	0.003		0.047	0.004	T	0.06	0.00	L	5.1344	0.0005	0.005	103		5.13	5.14		C			1								S
90192	10.712	0.048	8.733	0.017		1.641	0.041	T	1.66	0.04	L	8.6814	0.0019	0.018	70		8.66	8.72		C			1								
90193	9.847	0.024	8.980	0.019		0.742	0.004	G	0.79	0.00	H	9.0540	0.0032	0.019	72		9.02	9.08					1								
90194	10.215	0.032	9.383	0.025		0.733	0.031	T	0.78	0.02	L	9.4353	0.0018	0.018	106		9.41	9.46					1								
90195	9.064	0.015	8.860	0.018		0.150	0.015	G	0.17	0.01	H	8.9148	0.0085	0.041	73		8.86	8.98		U 2			1								
90196	10.554	0.032	9.589	0.024	*	0.848	0.030	T	0.86	0.02	L *	9.6097	0.0021	0.025	123	*	9.56	9.65		D	18243+3609	H 1	2 C	A	AB	354	0.857	0.027	3.08	0.11	
90197	8.452	0.012	8.334	0.014		0.107	0.017	T	0.12	0.02	L	8.3741	0.0015	0.012	83		8.36	8.40		C			1								S
90198	7.945	0.012	7.556	0.011		0.368	0.015	T	0.43	0.02	L	7.6154	0.0019	0.010	55		7.60	7.64					1	S							S
90199											T	12.0456	0.0080	0.072	136		11.92	12.18					1								D
90200	5.017	0.003	5.206	0.003		−0.163	0.004	T	−0.17	0.01	L	5.1767	0.0008	0.005	73		5.17	5.19		C	18243−4407	I 1	1								S

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Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	F1	F2
	h m s	±° ′ ″	mag		deg	deg	mas	mas/yr		mas		mas	mas/yr		$\alpha*$	$\alpha*$	δ	$\alpha*$	δ	π	$\alpha*$	δ	π	$\mu_{\alpha*}$	%	
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
90201	18 24 18.45	−40 43 55.3	8.31	H	276.076 882 87	−40.732 025 40	−0.19	1.27	−0.75	0.98	0.72	1.20	1.39	0.94	+ 6	− 9	+ 6	−23	−20	−17	−16	−53	+ 1	+12	0	1.42
90202	18 24 20.16	−62 19 08.7	10.36	G	276.083 986 78	−62.319 082 67	12.27	−130.95	−213.37	1.60	1.35	1.93	1.86	1.39	+ 6	−30	−17	+20	−24	− 2	−26	−14	+ 6	− 9	0	−0.93
90203	18 24 20.57	−40 34 06.8	9.03	H	276.085 709 91	−40.568 544 51	6.82	1.14	−78.71	1.16	0.84	1.42	1.60	1.08	+ 6	−22	− 4	−21	−20	− 9	−18	−55	+12	+15	0	−1.21
90204	18 24 20.65	−10 48 34.3	9.63	G	276.086 039 77	−10.809 530 42	0.01	0.08	−0.56	1.47	1.04	1.53	1.67	1.13	−11	−17	− 3	+24	− 3	+18	− 1	+ 8	− 8	− 8	6	−0.67
90205	18 24 22.54	+15 39 19.5	7.46	H	276.093 912 03	+15.655 419 42	1.94	1.51	−6.37	0.62	0.56	0.91	0.82	0.67	−22	−22	−10	−16	+25	−11	+20	−30	+14	− 9	0	−0.50
90206	18 24 23.41	−59 36 58.1	7.41	H	276.097 528 19	−59.616 132 85	2.20	6.77	−2.79	0.65	0.50	0.74	0.75	0.55	−15	−24	− 9	+37	−16	+ 1	−16	+18	+10	−12	0	0.98
90207	18 24 23.49	−01 03 49.7	7.68	H	276.097 867 79	−01.063 803 48	6.40	−48.37	−95.84	0.84	0.68	1.13	1.28	0.89	+ 5	− 4	−21	−12	+ 5	+46	+16	−10	+ 5	− 3	0	−1.02
90208	18 24 24.37	−30 41 21.6	8.04	H	276.101 522 15	−30.689 328 35	6.72	− 6.89	−25.84	1.03	0.71	1.24	1.44	0.83	− 9	−37	−37	+ 6	+42	−34	+ 5	−52	+36	−58	2	−1.06
90209	18 24 25.59	+32 07 51.0	8.15	H	276.106 643 33	+32.130 833 19	3.41	− 7.79	− 2.35	0.57	0.54	0.78	0.65	0.68	+ 1	−21	− 5	+ 6	+10	−11	+ 9	+ 1	+ 4	− 7	1	1.97
90210	18 24 25.65	+34 15 59.4	7.82	H	276.106 883 46	+34.266 491 12	2.75	− 4.21	− 8.47	0.54	0.54	0.72	0.62	0.63	+13	− 7	+ 2	− 6	+ 2	−17	+ 4	−20	+ 7	+21	1	0.85
90211	18 24 26.01	−20 52 20.2	9.61	G	276.108 361 47	−20.872 291 33	0.20	− 0.78	7.12	1.57	1.01	1.67	2.09	1.26	+16	−32	−27	+35	+ 7	−19	−23	−33	+31	−30	0	0.45
90212	18 24 26.56	−29 31 53.0	8.05	H	276.110 679 61	−29.531 397 41	21.81	− 1.69	−199.20	1.12	0.78	1.20	1.67	0.98	−24	−21	−18	−19	+48	−15	+29	−60	+21	−53	0	−0.34
*90213	18 24 26.84	−29 32 38.9	8.58	G	276.111 820 09	−29.544 128 55	21.86	191.50	−121.15	1.28	0.90	1.36	1.85	1.10	−29	−21	−18	−19	+47	−21	+31	−60	+24	−49	0	−0.12
*90214	18 24 26.82	+15 40 48.1	9.54	H	276.111 730 72	+15.680 025 51	2.32	− 1.56	− 7.46	0.88	0.83	1.36	1.18	1.08	−15	−16	− 7	−10	+25	− 9	+21	−15	+15	− 4	0	−1.77
90215	18 24 28.18	−51 49 41.7	7.66	H	276.117 411 31	−51.828 238 09	3.15	11.92	10.48	0.77	0.56	0.88	0.91	0.63	−14	−23	+ 9	+34	−30	− 2	−25	+ 7	+ 1	+ 0	0	−0.74
90216	18 24 28.56	−66 53 01.6	9.00	H	276.118 989 48	−66.883 770 74	11.66	24.78	9.45	0.77	0.82	1.13	0.96	0.94	+ 0	−11	− 2	−19	+ 1	+ 7	+ 2	−22	− 7	+ 5	0	−1.25
90217	18 24 29.66	−10 24 51.7	8.36	H	276.123 585 78	−10.414 367 43	4.45	− 18.76	− 54.05	1.13	0.89	1.76	1.80	1.03	−24	− 1	−26	+26	−30	+68	−16	+26	−17	−30	0	1.96
90218	18 24 29.99	−08 10 29.7	7.34	H	276.124 951 38	−08.174 903 00	10.98	26.97	− 50.49	0.75	0.54	0.83	0.69	0.54	−15	−36	− 2	−17	+ 2	+14	+10	−16	−22	−24	0	0.87
90219	18 24 31.00	−37 13 36.8	7.73	H	276.129 184 24	−37.226 881 27	3.86	8.93	− 8.41	0.86	0.55	0.93	1.06	0.63	+ 1	−19	−20	+22	+17	+ 9	+15	−18	+18	+ 4	0	−0.58
90220	18 24 31.04	−04 59 39.7	8.85	H	276.129 315 98	−04.994 370 51	7.73	−12.41	11.78	1.45	0.99	1.63	1.51	1.22	−17	−50	−11	+14	−10	+ 6	+ 0	+10	−18	−38	0	−0.08
90221	18 24 31.47	+13 42 23.7	7.80	H	276.131 111 18	+13.706 596 30	4.20	0.52	1.97	0.78	0.68	1.00	0.96	0.80	+18	−26	−31	−25	+ 2	− 9	− 8	−39	+25	−10	2	−0.30
90222 H	18 24 32.29	+20 27 33.4	9.74	H	276.134 557 79	+20.459 279 78 A	1.75	− 3.86	− 3.54	1.15	1.20	1.71	1.14	1.24	+26	+ 5	+15	+61	+19	+ 1	+ 9	+17	+ 8	+ 4	1	−0.35
90223	18 24 33.11	−49 39 09.0	6.45	G	276.137 951 04	−49.652 513 79	35.46	33.03	−150.18	0.64	0.45	0.80	0.77	0.54	+ 1	−23	+ 8	+27	−26	+ 6	−23	+ 7	+13	+29	0	−1.22
90224	18 24 33.25	−35 08 53.6	8.85	H	276.138 523 21	−35.148 233 00	0.77	1.22	− 6.17	1.22	0.80	1.38	1.37	0.84	+12	−40	− 6	− 6	+11	−15	+ 5	−40	− 5	+11	0	0.19
90225	18 24 33.50	−13 39 12.8	9.93	2 H	276.139 575 34	−13.653 542 76	1.63	0.29	− 2.30	1.89	1.48	1.89	2.60	1.95	+ 6	+14	−17	−44	+15	−22	+ 8	−46	− 5	−31	0	0.85
90226	18 24 35.00	−41 37 32.7	10.90	G	276.145 831 14	−41.625 737 58	2.71	−27.11	−140.18	1.90	1.33	2.28	2.70	1.70	− 6	−14	−11	− 6	+ 1	− 5	− 2	−37	+12	−11	0	−0.21
90227	18 24 35.34	−52 06 27.7	7.53	H	276.147 269 31	−52.107 708 26	2.62	3.44	4.34	0.82	0.59	0.98	0.96	0.65	+ 7	−23	−10	+32	−20	+ 5	−21	+ 7	+13	+ 0	0	−1.10
90228	18 24 35.61	−03 03 18.4	9.06	H	276.148 377 13	−03.055 101 24	6.93	9.92	− 5.26	1.08	0.87	1.25	1.17	1.01	+25	−24	−31	− 8	− 6	+15	+ 2	+11	−19	+23	0	−0.13
90229	18 24 36.86	−32 17 28.0	7.10	H	276.153 586 91	−32.291 108 82	4.22	− 2.36	− 4.45	0.85	0.58	0.91	1.13	0.72	+20	−13	+ 8	+ 1	−23	− 7	−18	−35	−10	+26	0	−0.91
90230	18 24 38.34	−19 43 58.3	7.51	2 G	276.159 742 48	−19.732 869 69	1.20	− 1.98	2.17	1.24	0.79	1.24	1.64	1.07	−18	−37	−11	+34	− 6	− 4	−16	+ 9	+22	−34	0	−0.10
90231	18 24 38.83	−54 57 25.7	7.70	G	276.161 794 45	−54.957 142 43	1.40	2.39	− 5.49	0.92	0.72	1.13	1.07	0.90	−10	−22	−14	+ 0	−15	− 4	−20	−16	+21	−11	0	−0.99
90232	18 24 39.31	−15 23 32.5	8.34	H	276.163 778 79	−15.392 361 28	9.13	− 4.31	−13.40	1.20	0.90	1.37	1.77	1.14	− 5	+ 1	−25	−29	+15	−40	+ 3	−42	+17	−37	6	1.69
90233	18 24 39.42	−42 01 41.0	8.43	H	276.164 260 49	−42.028 064 12	7.53	− 9.53	−30.79	1.05	0.73	1.24	1.38	0.87	−16	−18	− 9	− 1	+11	−20	+ 3	−38	+14	−29	2	−0.01
90234	18 24 40.00	−12 40 30.3	9.03	H	276.166 657 45	−12.675 088 27	4.56	6.38	− 5.26	1.12	0.89	1.31	1.21	0.92	+ 9	−27	−35	− 2	− 7	+ 6	− 5	− 9	−12	−24	0	1.26
90235	18 24 40.21	+33 10 59.1	7.88	H	276.167 524 17	+33.183 070 29	19.29	−18.90	127.82	0.56	0.54	0.75	0.62	0.63	− 1	−14	+ 8	+31	+ 7	−23	+12	+ 0	+ 5	+10	1	0.97
90236	18 24 40.41	−48 47 32.0	8.04	H	276.168 356 42	−48.792 229 41	5.01	11.05	−34.63	0.92	0.58	1.02	1.09	0.65	+ 1	−18	+ 5	+46	−25	+ 2	−18	+20	+14	+24	0	−0.33
90237	18 24 40.90	−65 25 11.8	8.30	H	276.170 408 57	−65.419 956 47	4.42	−12.11	−10.18	0.64	0.74	1.13	0.82	1.01	+19	−20	−16	−16	− 3	+ 1	− 2	−12	− 6	+37	0	−0.98
90238	18 24 42.05	−07 04 33.1	6.28	H	276.175 204 37	−07.075 872 57	11.62	134.90	−26.17	0.79	0.58	0.95	0.72	0.55	+16	−31	−32	−29	− 7	+11	+ 4	−19	−23	−14	0	0.31
90239 H	18 24 43.03	−06 36 13.3	7.18	1 H	276.179 275 37	−06.603 704 37 A	14.18	−69.02	−38.38	1.32	1.07	1.40	1.23	0.96	+47	−15	−29	−27	−29	+ 7	−27	−35	−17	+30	4	−0.37
90240	18 24 43.28	−01 52 15.5	7.71	G	276.180 350 70	−01.870 982 77	11.19	25.16	8.81	0.81	0.65	0.91	0.75	0.66	+11	−31	−18	−14	+ 5	+ 5	+ 4	− 4	+ 7	+ 5	0	0.63
90241	18 24 44.50	−16 47 49.8	8.65	3 T	276.185 421 78	−16.797 169 70	2.64	2.13	− 2.39	1.16	0.84	1.22	1.29	1.07	+33	−47	−27	+ 3	−14	+ 6	−12	− 1	− 1	+17	0	−0.69
90242 H	18 24 45.24	+07 13 52.5	7.91	G	276.188 480 93	+07.231 251 56 A	1.38	1.25	0.66	1.23	0.95	1.47	1.39	1.19	+43	− 7	−12	+ 3	+ 2	+ 4	+ 6	−13	+28	+48	0	0.53
90243	18 24 47.28	−55 05 41.1	8.82	H	276.196 979 50	−55.094 761 30	8.06	2.85	−56.12	1.17	0.96	1.43	1.36	1.05	−15	−22	− 6	+ 8	−25	− 2	−23	−16	+ 3	−15	0	−1.55
90244	18 24 48.19	−11 21 50.8	9.03	H	276.200 810 98	−11.364 104 39	3.92	3.75	− 2.73	1.08	0.83	1.14	1.19	0.89	−11	− 2	− 9	−11	+16	− 1	+16	−10	− 2	− 7	0	−0.59
90245 H	18 24 48.39	−36 42 23.0	8.46	G	276.201 632 20	−36.706 384 38 A	10.70	24.98	−69.14	1.71	1.18	1.62	1.97	1.18	+20	−13	−12	+17	+21	− 3	+ 6	−33	+ 4	+ 9	2	−1.16
90246	18 24 49.20	−06 21 13.3	10.46	H	276.205 005 12	−06.353 698 38	26.41	15.35	−107.77	1.82	1.37	2.02	2.01	1.70	+15	−12	−11	−16	+ 8	+ 3	+12	− 9	−28	+21	0	−1.04
90247	18 24 51.92	+11 52 29.0	9.53	H	276.216 325 49	+11.874 716 71	1.01	2.18	− 3.42	1.17	0.98	1.56	1.80	1.42	+22	−17	−27	−14	+10	− 6	− 1	−36	+14	−17	0	0.28
90248	18 24 52.19	−42 13 44.2	7.57	G	276.217 470 49	−42.228 956 81	1.91	− 3.00	− 9.23	0.80	0.55	0.94	1.02	0.64	−10	−23	− 8	− 2	+ 5	− 9	− 4	−37	+12	−32	0	2.02
90249	18 24 52.67	+28 17 21.6	12.01	2 H	276.219 450 80	+28.289 326 30	30.22	−182.92	41.89	3.22	3.75	4.97	3.89	4.62	+ 6	− 5	− 6	+ 4	+12	+11	+13	+16	+ 2	+ 4	0	1.15
90250	18 24 52.89	+66 15 41.8	9.99	1 H	276.220 376 08	+66.261 624 82	4.97	−31.95	25.53	0.91	0.93	0.96	0.76	1.17	− 4	−18	− 8	−51	+ 6	+ 7	+10	− 2	− 3	− 7	1	1.44
90251	18 24 53.02	−02 01 52.0	9.02	H	276.220 919 46	−02.031 113 64	3.97	− 2.07	− 9.50	1.14	0.86	1.27	1.14	0.96	− 2	−38	−16	− 5	+12	+ 1	+ 6	+ 6	+ 6	+15	0	−0.12
90252	18 24 55.28	+16 04 52.9	9.08	H	276.230 325 73	+16.081 374 83	2.61	0.86	− 0.01	0.87	0.81	1.28	1.09	0.95	−12	−21	− 2	+ 5	+17	−16	+15	− 9	+ 9	+ 3	0	−0.98
90253 H	18 24 57.21	−01 34 45.9	6.15	G	276.238 354 84	−01.579 403 17 A	7.54	6.05	− 4.10	1.90	1.43	1.72	1.61	1.31	− 7	−10	−24	−13	+27	+10	+32	− 6	+ 5	+ 6	4	0.41
90254	18 24 57.78	−38 34 30.3	7.77	2 H	276.240 743 95	−38.575 093 53	2.14	13.09	1.57	0.93	0.58	1.05	1.44	0.86	− 9	− 8	− 4	+29	−13	+ 6	−13	−21	+28	− 6	0	0.69
90255	18 24 57.99	+09 44 09.1	8.13	H	276.241 627 58	+09.735 859 70	3.94	6.97	1.69	0.90	0.69	1.24	1.04	0.89	+ 6	− 6	−25	−33	+24	− 5	+19	−44	+48	+ 6	0	0.06
90256 H	18 24 58.46	+27 23 41.3	6.27	H	276.243 584 91	+27.394 818 34 A	8.41	1.65	−14.35	0.66	0.71	0.81	0.70	0.74	+ 9	+ 0	+ 4	+12	+ 5	+ 1	+ 7	+14	+ 5	+ 1	1	0.72
90257	18 24 59.87	−18 32 19.2	7.26	2 H	276.249 478 94	−18.538 671 37	2.89	− 6.90	− 9.66	1.04	0.63	1.12	1.10	0.74	− 3	−49	−31	+27	− 8	+ 8	− 9	+10	+ 9	−20	0	1.40
90258	18 25 00.56	+46 16 02.5	8.12	H	276.252 324 51	+46.267 373 71	10.36	23.99	−13.35	0.62	0.51	0.69	0.72	0.74	+12	−13	−22	+ 4	− 2	− 2	− 3	− 7	+ 4	+13	0	0.08
90259	18 25 01.29	−19 33 26.1	10.65	2 H	276.255 370 43	−19.557 248 47	7.52	−10.62	− 6.33	2.94	1.77	3.08	3.83	2.35	− 7	−41	−28	+32	−29	+21	−26	+15	+ 3	−27	0	0.88
90260	18 25 01.51	−30 45 23.0	5.58	G	276.256 303 34	−30.756 400 93	4.99	−127.97	−69.59	0.77	0.56	0.91	1.13	0.68	−17	−24	−38	+ 1	+38	−37	+ 7	−48	+37	−62	3	−0.91
90261	18 25 01.86	−45 28 45.6	10.95	G	276.257 744 69	−45.479 323 72	2.78	−13.46	−208.28	1.88	1.35	2.18	2.71	1.73	−16	−24	− 2	− 3	+10	+ 2	+ 3	−29	+ 7	−34	0	0.72
90262	18 25 02.38	−73 32 42.4	8.31	H	276.259 916 25	−73.545 116 72	6.66	3.23	−26.55	0.52	0.72	0.96	0.59	0.79	−13	− 8	− 2	+13	− 9	−12	−10	− 3	+ 1	−19	0	−0.28
90263	18 25 02.94	+14 08 42.0	7.94	1 H	276.262 266 46	+14.144 997 10	1.94	0.22	− 8.48	0.76	0.64	1.10	1.06	0.84	+ 8	−30	−31	+ 3	+16	−21	− 4	−30	+39	− 9	0	−0.40
90264	18 25 04.56	−40 18 12.3	9.29	H	276.268 989 82	−40.303 413 48	3.99	13.40	− 7.83	1.27	0.91	1.48	1.78	1.16	+23	−17	− 7	−17	−38	+ 3	−34	−56	+12	+31	0	0.23
90265	18 25 04.82	+24 38 08.4	10.85	H	276.270 083 62	+24.635 668 38	45.91	−41.47	−447.06	0.92	1.27	1.83	1.09	1.53	+ 9	−11	− 7	+24	+17	− 5	+16	+20	+10	+ 1	1	0.61
90266	18 25 04.84	−24 24 51.9	8.48	H	276.270 172 89	−24.414 417 29	1.60	5.87	− 1.39	1.09	0.67	1.30	1.18	0.73	+12	−49	−40	+ 7	+40	−29	+ 1	−61	+32	−39	2	0.47
90267	18 25 06.18	−14 38 57.7	8.24	2 G	276.275 756 28	−14.649 358 38	1.60	1.77	− 1.15	1.30	1.03	1.38	1.59	1.18	−27	−20	−34	−29	+34	−26	+23	−43	+16	−47	0	0.17
90268	18 25 06.45	−47 00 38.2	8.94	H	276.276 875 79	−47.010 623 64	6.84	−20.86	0.31	1.02	0.68	1.32	1.09	0.70	+12	−37	−16	+20	−26	+ 0	−28	− 2	+17	+ 5	0	−0.82
90269	18 25 06.61	+03 30 04.8	7.55	H	276.277 542 28	+03.501 345 67	4.12	− 8.63	15.65	0.83	0.70	0.94	0.81	0.73	−20	−12	−22	−19	+ 8	+11	+11	−11	− 4	−23	5	1.25
90270	18 25 08.05	+18 29 07.5	9.16	H	276.283 540 02	+18.485 430 14	1.76	− 1.31	0.39	0.92	0.87	1.25	1.11	1.15	− 1	+ 5	− 8	− 4	+12	+ 6	+18	−23	− 5	+22	0	−0.12
90271	18 25 08.88	+05 05 04.4	6.73	H	276.286 981 92	+05.084 553 64	3.83	− 1.59	5.70	0.75	0.55	0.90	1.03	0.70	−10	−21	−21	−23	+ 7	+19	+ 1	−39	+19	−27	2	0.71
90272	18 25 09.20	−01 42 59.5	9.59	G	276.288 343 72	−01.716 521 60	30.13	71.19	−28.05	1.26	1.05	1.60	1.74	1.40	+17	−30	−18	−12	− 0	+37	+ 4	− 4	+ 6	+12	0	1.80
90273	18 25 09.87	+30 16 54.1	11.69	G	276.291 131 00	+30.281 687 48	18.27	4.73	257.28	1.82	2.06	2.81	2.15	2.79	+14	− 4	−14	− 7	−11	+ 2	− 7	−41	+20	+26	3	0.15
90274	18 25 10.14	+64 50 17.8	6.84	1 H	276.292 252 30	+64.838 270 42	6.25	−19.52	61.55	0.57	0.58	0.61	0.68	0.74	+ 1	−19	− 7	− 6	− 9	+18	−10	+ 8	+11	− 1	2	−1.25
90275	18 25 11.85	+49 51 52.8	7.16	H	276.299 374 46	+49.864 676 20	4.51	− 7.25	−57.51	0.55	0.50	0.59	0.63	0.57	+ 4	−25	−10	+ 3	+ 8	− 8	+ 4	+11	+11	+ 4	0	−1.13
90276	18 25 11.88	+23 06 52.2	8.63	H	276.299 502 05	+23.114 491 43	2.98	3.54	6.94	0.54	0.78	1.28	0.73	0.92	+ 3	−19	+13	− 9	+15	+19	+25	− 4	−26	−20	0	−0.19
90277	18 25 13.20	−54 38 20.7	9.14	H	276.305 001 60	−54.639 080 27	0.06	− 2.22	−14.03	1.15	0.92	1.45	1.41	1.13	+ 7	−20	−19	+ 2	−26	+ 2	−27	−14	+14	+10	0	1.28
90278	18 25 13.40	−62 30 06.0	7.88	G	276.305 840 07	−62.501 654 11	6.23	− 1.09	−11.17	0.81	0.72	0.97	0.92	0.72	+ 6	−23	−20	+16	−39	+ 0	−36	− 3	− 7	−15	0	1.25
90279	18 25 14.80	+04 40 26.4	9.19	G	276.311 652 39	+04.673 992 07	4.40	4.82	− 8.34	1.17	0.95	1.35	1.17	1.10	+ 0	−16	− 4	−18	+11	+ 7	+13	−19	+ 4	+ 5	2	0.64
90280	18 25 14.92	−61 01 07.6	7.91	H	276.312 156 86	−61.018 788 86	2.71	−55.88	−32.80	0.84	0.73	1.04	1.20	0.87	− 7	− 7	− 6	− 2	−19	− 8	−18	+ 9	+22	− 6	2	−0.89
90281	18 25 15.19	−13 58 42.3	6.61	2 G	276.313 302 09	−13.978 408 02	0.00	2.24	− 3.63	0.93	0.80	1.14	1.20	0.85	+ 6	−13	−48	−27	+21	−31	+ 2	−41	+18	−54	0	1.85
90282	18 25 16.77	−57 05 43.7	6.85	H	276.319 858 89	−57.095 468 97	20.54	27.56	−15.36	0.67	0.50	0.77	0.75	0.53	−16	−28	− 8	+30	−24	+ 3	−20	+10	− 2	−15	0	0.57
90283 H	18 25 17.50	+46 53 07.4	7.81	H	276.322 897 75	+46.885 402 32 A	3.98	− 8.66	− 0.79	0.91	0.86	0.92	1.09	1.12	+14	− 3	−17	+15	+ 9	−18	+ 6	− 6	+ 4	+22	1	0.25
90284 H	18 25 18.20	+48 45 42.5	7.21	H	276.325 845 43	+48.761 809 81 C	5.39	19.17	3.15	4.14	4.12	3.43	3.87	4.09	+45	− 7	− 2	+ 6	+ 9	+28	+ 8	+14	+13	+60	0	1.61
90285	18 25 18.53	+11 05 53.2	8.95	H	276.327 198 58	+11.098 100 19	2.13	− 8.03	5.76	1.02	0.82	1.30	1.33	1.18	+13	−38	−23	−38	+ 0	+22	− 5	−43	+25	+ 8	1	−0.02
90286	18 25 19.58	−41 20 30.4	10.38	H	276.331 577 50	−41.341 777 81	0.04	− 0.43	− 5.20	1.77	1.22	2.06	2.32	1.44	−11	−26	− 8	− 2	+ 9	−13	+ 7	−41	+ 4	−14	0	1.24
90287 H	18 25 20.37	+28 04 59.0	8.57	H	276.334 894 62	+28.083 058 36 A	3.21	− 2.76	2.37	1.69	2.02	2.36	1.86	2.22	+ 9	− 2	− 5	− 7	+15	+11	+14	+14	+ 8	+15	2	2.98
90288 H	18 25 20.63	+26 05 02.8	7.66	G	276.335 972 72	+26.084 116 71 A	3.01	− 2.88	−16.25	0.95	0.91	1.18	0.96	1.08	+16	− 6	− 6	+26	+10	− 4	+12	− 2	+16	+ 1	0	0.60
90289 H	18 25 21.04	−20 32 29.8	4.81	G	276.337 648 09	−20.541 609 18 A	5.46	8.26	−28.72	1.29	0.95	1.20	1.88	1.20	−19	−38	−14	+40	−23	− 8	−36	+ 7	+16	−49	1	0.85
90290	18 25 21.70	−35 59 31.3	6.14	G	276.340 408 65	−35.992 030 84	7.07	−34.70	2.24	0.74	0.53	0.79	0.90	0.54	−12	−22	−18	− 4	+27	− 8	+18	−37	− 2	−31	2	−0.60
90291	18 25 21.86	+48 17 49.2	7.62	H	276.341 072 32	+48.296 997 61	3.55	− 7.66	6.83	0.55	0.48	0.60	0.57	0.62	+ 9	−28	−12	+ 2	+ 1	+11	+ 2	− 7	+ 7	+12	0	−1.94
90292	18 25 22.40	−41 44 32.9	8.60	H	276.343 320 56	−41.742 459 28	13.27	16.70	−60.93	1.43	0.99	1.37	1.73	1.28	−45	−18	−17	−44	+43	−11	+39	−69	+22	−49	2	0.27
90293	18 25 23.12	+38 26 27.4	7.36	1 H	276.346 346 83	+38.440 943 16	2.71	1.81	− 1.00	0.49	0.47	0.63	0.58	0.63	+ 6	−15	−10	+12	+ 6	−16	+ 4	−23	+ 2	− 1	0	−0.53
90294	18 25 25.44	+54 41 36.9	9.14	H	276.356 020 39	+54.693 589 95	0.87	− 2.22	9.82	0.78	0.71	0.80	0.81	0.82	+ 2	− 6	−16	+ 6	+15	−15	+14	+ 4	+10	+11	0	−1.07
90295	18 25 27.88	+22 42 24.5	6.80	H	276.366 155 30	+22.706 813 02	1.04	− 1.92	− 6.00	0.39	0.45	0.68	0.44	0.47	+ 1	− 1	+ 9	+ 8	+24	+ 0	+22	+ 7	+10	+ 5	1	−0.94
90296	18 25 29.28	+22 02 00.6	7.23	H	276.372 019 05	+22.033 505 99	6.18	5.82	− 0.45	0.52	0.48	0.76	0.54	0.49	+11	− 8	+ 2	+55	+28	− 7	+24	+ 7	+13	+ 6	0	−0.58
90297	18 25 29.35	+41 22 56.0	10.06	H	276.372 290 00	+41.382 211 87	14.37	55.99	180.58	0.91	0.77	1.05	0.98	1.00	+ 5	− 5	−11	−12	+ 6	− 7	+ 7	−15	+ 7	+ 5	1	1.18
90298

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
90201	8.265	0.010	8.305	0.013		−0.032	0.015	T	−0.01	0.01	L	8.3128	0.0022	0.020	93		8.29	8.36				1							S
90202	11.206	0.066	10.436	0.057		0.794	0.005	G	0.84	0.01	H	10.5114	0.0045	0.029	74		10.43	10.56		C		1							G
90203	9.731	0.021	9.070	0.019		0.603	0.021	T	0.67	0.02	L	9.1615	0.0024	0.018	89		9.13	9.19		C		1							
90204	10.148	0.040	9.653	0.041		0.561	0.059	G	0.63	0.06	H	9.7603	0.0035	0.020	43		9.73	9.80		C		1							G
90205	7.443	0.007	7.458	0.007		−0.009	0.009	T	0.01	0.01	L	7.4632	0.0009	0.009	114		7.45	7.48		C		1							S
90206	7.323	0.007	7.410	0.007		−0.054	0.015	G	−0.03	0.01	H	7.4027	0.0015	0.013	90		7.38	7.43				1							S
90207	8.472	0.012	7.761	0.009		0.654	0.012	T	0.72	0.01	L	7.8117	0.0017	0.010	61		7.80	7.83		C		1	G						S
90208	8.148	0.011	8.075	0.014		0.066	0.016	T	0.08	0.02	L	8.0667	0.0016	0.012	79		8.05	8.09		C	18244−3041	I 1	1						S
90209	8.173	0.007	8.141	0.009		0.034	0.011	T	0.05	0.01	L	8.1674	0.0015	0.012	126		8.15	8.19					1						S
90210	9.804	0.018	7.996	0.008		1.505	0.016	T	1.53	0.02	L	7.9417	0.0013	0.013	129		7.92	7.97					1						
90211	11.349	0.104	9.796	0.046		1.380	0.020	G	1.35	0.02	H	9.7431	0.0031	0.017	63		9.72	9.77		C			1						G
90212	8.794	0.018	8.120	0.016		0.603	0.002	G	0.67	0.00	H	8.1814	0.0014	0.012	71		8.16	8.20		C	18244−2932	I 2	1						
90213	9.472	0.036	8.705	0.030		0.715	0.002	G	0.76	0.00	H	8.7206	0.0019	0.012	72		8.70	8.75		C	18244−2932	I 2	1						
90214	9.652	0.020	9.547	0.025		0.102	0.030	T	0.12	0.03	L	9.5845	0.0024	0.020	112		9.55	9.62		C			1						G
90215	7.914	0.009	7.696	0.010		0.202	0.013	T	0.22	0.01	L	7.7263	0.0009	0.010	90		7.71	7.74		D			1						S
90216	9.623	0.016	9.054	0.014		0.536	0.016	T	0.61	0.02	L	9.1194	0.0022	0.021	123		9.09	9.16					1						
90217	10.255	0.050	8.531	0.022		1.438	0.043	T	1.43	0.07	L	8.5010	0.0029	0.016	50		8.47	8.52		C			1	G					
90218	7.817	0.010	7.386	0.008		0.408	0.015	G	0.47	0.02	H	7.4361	0.0010	0.011	63		7.42	7.45					1						S
90219	7.959	0.011	7.757	0.014		0.186	0.017	T	0.20	0.02	L	7.7891	0.0013	0.013	73		7.77	7.81		C			1						S
90220	10.357	0.045	9.000	0.027		1.150	0.041	T	1.11	0.04	L	9.0161	0.0035	0.020	49		8.98	9.05		C			1						
90221	9.531	0.019	7.952	0.010		1.300	0.015	G	1.26	0.02	H	7.9560	0.0017	0.015	101		7.93	7.98					1						
90222	9.838	0.017	9.805	0.024	A	0.000	0.495	G	0.03	0.04	L *	9.7530	0.0022	0.023	173	*	9.71	9.79		C	18245+2028	I 1	2	C	D	AB	349	5.811	0.054	3.57	0.20	G D
90223	7.164	0.005	6.516	0.005		0.593	0.001	G	0.66	0.00	H	6.5723	0.0008	0.006	88		6.56	6.58		C			1						S
90224	10.155	0.045	8.933	0.027		1.044	0.041	T	1.01	0.03	L	9.0101	0.0019	0.017	62		8.98	9.04		C			1						
90225	10.834	0.070	10.105	0.063		0.669	0.075	T	0.73	0.06	L	10.0816	0.0081	0.062	46		10.04	10.60		P 1 A			1	S					G
90226	11.545	0.130	11.151	0.147		0.850	0.020	G	0.86	0.01	H	10.9520	0.0058	0.034	82		10.90	11.00					1						G
90227	9.345	0.017	7.680	0.009		1.392	0.015	T	1.37	0.02	L	7.6753	0.0018	0.014	97		7.65	7.70					1						S
90228	9.363	0.019	9.099	0.022		0.251	0.027	T	0.28	0.03	L	9.1263	0.0025	0.020	58		9.09	9.17		C			1						
90229	8.904	0.015	7.243	0.008		1.389	0.013	T	1.36	0.02	L	7.2477	0.0013	0.009	71		7.23	7.26		C			1						S
90230	10.086	0.052	7.771	0.017		2.080	0.015	G	2.10	0.09	H	7.5063	0.0044	0.024	41		7.48	7.56		U 2			1	S					
90231	9.697	0.023	7.859	0.010		1.520	0.015	G	1.42	0.02	A	7.8546	0.0020	0.014	82		7.83	7.88					1						
90232	8.639	0.016	8.363	0.018		0.260	0.025	T	0.29	0.03	L	8.4089	0.0018	0.011	54		8.38	8.43		C			1						
90233	9.084	0.015	8.496	0.014		0.550	0.015	T	0.62	0.01	L	8.5519	0.0015	0.018	86		8.53	8.59					1						
90234	9.380	0.021	9.082	0.024		0.413	0.015	G	0.48	0.02	H	9.1203	0.0030	0.021	60		9.10	9.16					1						
90235	8.521	0.010	7.948	0.009		0.561	0.015	G	0.63	0.01	H	7.9987	0.0014	0.016	132		7.98	8.02			18247+3311	I 1	1						S
90236	8.415	0.009	8.068	0.009		0.349	0.015	G	0.41	0.02	H	8.1191	0.0010	0.012	119		8.10	8.14		D			1						S
90237	9.617	0.015	8.409	0.009		1.033	0.014	T	1.01	0.01	L	8.4653	0.0013	0.018	156		8.44	8.50		C			1						
90238	7.798	0.011	6.420	0.006		1.161	0.002	G	1.12	0.00	H	6.4500	0.0012	0.007	59		6.44	6.46		C			1						S
90239	7.859	0.011	7.224	0.011	*	0.604	0.003	G	0.67	0.00	H *	7.3132	0.0013	0.011	58	*	7.30	7.36		U 2	18247−0636	I 1	2	C	A	AB	196	5.917	0.005	1.55	0.02	S
90240	8.088	0.013	7.734	0.013		0.360	0.015	G	0.42	0.02	H	7.7907	0.0015	0.011	56		7.77	7.81		C			1						S
90241	9.859	0.034	8.750	0.022		0.956	0.032	T	0.94	0.02	L	8.7634	0.0500	0.293	49		8.55	9.37	6.42	P 1 A			1	S					
90242	7.955	0.013	7.904	0.021	*	0.070	0.015	G	0.08	0.02	H *	7.9445	0.0015	0.014	121	*	7.92	7.97		D	18248+0714	I 1	2	C	A	AB	346	3.211	0.014	2.88	0.07	S
90243	9.309	0.017	8.850	0.017		0.446	0.019	T	0.52	0.02	L	8.9185	0.0024	0.022	74		8.88	8.95		C			1						
90244	9.721	0.028	9.082	0.026		0.581	0.020	G	0.65	0.02	H	9.1595	0.0031	0.020	60		9.14	9.20		C			1						
90245	9.278	0.020	8.626	0.018	A	0.781	0.096	G	0.82	0.07	R *	8.5200	0.0019	0.013	70	*	8.49	8.54		D	18248−3642	I 1	2	C	A	AB	225	2.830	0.009	1.84	0.04	
90246	12.173	0.209	10.649	0.078		1.180	0.015	G	1.14	0.01	H	10.5916	0.0045	0.035	64		10.52	10.67					1						G
90247	9.774	0.021	9.570	0.026		0.195	0.031	T	0.21	0.04	L	9.5940	0.0024	0.021	86		9.56	9.64		C			1						G
90248	7.569	0.007	7.569	0.008		−0.001	0.002	G	0.02	0.00	H	7.5846	0.0013	0.011	90		7.57	7.60		C			1						S
90249											T	12.1514	0.0102	0.112	147		11.90	12.35		U			1						D
90250	10.736	0.046	10.058	0.040		0.627	0.051	T	0.69	0.04	L	10.1208	0.0031	0.026	95		10.06	10.16		U			1						G
90251	9.417	0.023	9.059	0.025		0.339	0.032	T	0.40	0.04	L	9.1017	0.0028	0.021	58		9.07	9.14		C			1						
90252	9.129	0.013	9.075	0.017		0.055	0.020	T	0.07	0.02	L	9.1028	0.0026	0.019	112		9.06	9.14					1						
90253	6.642	0.010	6.229	0.009	*	0.381	0.011	G	0.45	0.01	H *	6.2452	0.0011	0.006	56	*	6.24	6.25		D	18250−0135	I 1	2	C	A	AB	356	0.876	0.002	0.41	0.01	S
90254	9.943	0.023	7.995	0.009		1.651	0.020	T	2.45	0.04	O	7.7921	0.0031	0.028	98		7.72	7.84		U 2			1	S					
90255	9.922	0.020	8.309	0.010		1.351	0.018	T	1.32	0.02	L	8.2809	0.0017	0.015	123		8.26	8.30		C			1						
90256	6.356	0.004	6.297	0.004	*	0.053	0.005	T	0.07	0.00	L *	6.2919	0.0007	0.008	151	*	6.28	6.30		D	18250+2724	I 1	2	C	A	AB	127	0.653	0.002	1.03	0.01	S
90257	9.558	0.029	7.477	0.011		1.761	0.026	T	2.33	0.06	O	7.3125	0.0033	0.020	49		7.27	7.34		U 2			1						S
90258	8.647	0.011	8.170	0.011		0.450	0.010	G	0.52	0.01	H	8.2209	0.0013	0.013	110		8.20	8.24					1						S
90259						1.860	0.314	G	1.84	0.32	J	10.7400	0.0512	0.197	41		10.52	11.06	3.28	P 1 A			1	S					G
90260	7.024	0.006	5.706	0.004		1.138	0.002	G	1.10	0.00	H	5.7239	0.0008	0.007	80		5.71	5.74					1	S					S
90261	11.474	0.108	10.875	0.099		0.529	0.036	G	0.60	0.04	H	11.0819	0.0038	0.032	76		11.01	11.15		C			1						G
90262	8.607	0.008	8.328	0.009		0.265	0.011	T	0.30	0.01	L	8.3812	0.0012	0.017	198		8.35	8.42		C			1						S
90263	7.936	0.007	7.928	0.011		0.020	0.015	G	0.04	0.01	H	7.9501	0.0023	0.020	95		7.92	7.99		U			1						S
90264	9.772	0.023	9.334	0.024		0.427	0.027	T	0.49	0.03	L	9.3850	0.0024	0.019	93		9.35	9.42		C			1						
90265						1.605	0.218	G	2.61	0.54	I	10.8463	0.0035	0.041	176		10.77	10.91					1						G
90266	8.689	0.014	8.521	0.017		0.220	0.015	G	0.24	0.02	H	8.5428	0.0012	0.011	99		8.52	8.56					1						
90267	9.853	0.029	8.445	0.017		1.190	0.026	T	1.15	0.02	L	8.2902	0.0087	0.054	54		8.24	8.38	6.75	P 1 A			1	S					
90268	9.542	0.023	8.979	0.022		0.531	0.024	T	0.60	0.03	L	9.0531	0.0022	0.018	95		9.03	9.09		C			1						
90269	8.963	0.015	7.667	0.010		1.102	0.014	T	1.06	0.01	L	7.7163	0.0013	0.010	62		7.70	7.73		C			1						
90270	11.329	0.069	9.344	0.021		1.682	0.059	T	1.82	0.15	O	9.2586	0.0027	0.023	111		9.22	9.29					1						
90271	6.741	0.005	6.730	0.006		0.011	0.007	T	0.03	0.01	L	6.7419	0.0014	0.010	82		6.72	6.76					1	G					S
90272	10.914	0.064	9.661	0.035		0.990	0.015	G	1.03	0.01	I	9.7175	0.0023	0.015	55		9.68	9.75		D			1	G					G
90273						1.510	0.351	G	2.15	2.71	I	11.8734	0.0078	0.069	119		11.73	12.02			18252+3017	I 1	1	S					D
90274	8.132	0.011	6.973	0.008		0.995	0.011	T	0.97	0.01	L	7.0087	0.0030	0.022	88		6.98	7.04		U 2			1						S
90275	8.463	0.011	7.272	0.006		1.020	0.010	T	0.99	0.01	L	7.3215	0.0007	0.008	116		7.31	7.34		C			1						S
90276	10.269	0.018	8.763	0.009		1.267	0.016	T	1.23	0.02	L	8.7911	0.0015	0.025	255		8.75	8.84					1	G					
90277	9.523	0.021	9.171	0.022		0.259	0.015	G	0.29	0.02	H	9.2107	0.0025	0.016	78		9.18	9.24		C			1						
90278	8.348	0.014	7.923	0.011		0.399	0.004	G	0.46	0.00	H	7.9876	0.0021	0.018	77		7.96	8.01					1						S
90279	9.402	0.022	9.248	0.027		0.180	0.015	G	0.20	0.02	H	9.2484	0.0029	0.020	69		9.21	9.28		C			1						
90280	9.776	0.024	8.089	0.012		1.409	0.021	T	1.39	0.03	L	8.0544	0.0018	0.017	81		8.03	8.09		C			1						
90281	7.603	0.010	6.732	0.007		0.778	0.009	T	1.26	0.02	A	6.7250	0.0037	0.026	50		6.69	6.78		U 2			1						S P
90282	7.352	0.007	6.899	0.006		0.441	0.007	T	0.51	0.01	L	6.9466	0.0011	0.008	93		6.93	6.96		C			1						S
90283	7.899	0.009	7.875	0.013	A	0.300	0.495	G	0.01	0.01	L *	7.8181	0.0010	0.009	110	*	7.80	7.83		D	18253+4653	I 1	2	C	A	AB	127	1.119	0.006	1.76	0.03	S
90284	8.343	0.013	7.367	0.010	*	0.799	0.041	G	0.85	0.01	L *	7.3593	0.0009	0.008	112	–	7.34	7.37		D	18253+4846	I 1	3	C	A					S	G
90285	9.563	0.016	8.999	0.015		0.528	0.020	T	0.60	0.02	L	9.0621	0.0017	0.017	114		9.03	9.10		C			1						
90286	10.478	0.038	10.422	0.060		0.056	0.066	T	0.07	0.05	L	10.3911	0.0052	0.035	86		10.34	10.45					1						G
90287	8.693	0.010	8.646	0.012	*	0.048	0.015	T	0.06	0.01	L *	8.5955	0.0019	0.020	157	*	8.56	8.63		D	18253+2805	I 1	2	C	D	AC	208	0.735	0.032	2.61	0.16	S D
90288	8.939	0.011	7.808	0.007	A	0.984	0.005	G	0.96	0.00	H *	7.8440	0.0014	0.014	176	*	7.82	7.87			18253+2605	I 1	2	C	D	AE	87	1.211	0.029	3.33	0.14	D
90289	6.609	0.029	5.012	0.007	A	1.310	0.042	G	1.27	0.04	R *	4.9358	0.0010	0.005	47	*	4.93	4.94		D	18254−2033	I 1	2	C	A	AB	284	1.661	0.016	2.42	0.04	S
90290	7.423	0.007	6.257	0.005		1.006	0.006	G	0.98	0.01	H	6.3071	0.0008	0.006	83		6.30	6.32					1						S
90291	8.853	0.011	7.730	0.008		0.967	0.011	T	0.95	0.01	L	7.7850	0.0011	0.011	123		7.77	7.81		C			1						S
90292	9.306	0.016	8.663	0.015		0.590	0.016	T	0.66	0.01	L	8.7264	0.0019	0.016	87		8.70	8.75		C			1	G					
90293	7.249	0.005	7.351	0.007		−0.087	0.007	T	−0.07	0.01	L	7.3309	0.0014	0.014	121		7.31	7.36	2.12	P 1 A			1						S
90294	10.831	0.047	9.263	0.020		1.315	0.040	T	1.28	0.05	L	9.2919	0.0018	0.018	101		9.26	9.32		C			1						
90295	6.674	0.003	6.775	0.004		−0.087	0.004	T	−0.07	0.01	L	6.7708	0.0008	0.009	195		6.75	6.79					1						S
90296	8.216	0.007	7.333	0.006		0.787	0.007	T	0.82	0.01	L	7.3816	0.0012	0.014	160		7.36	7.41					1						S
90297	10.906	0.051	10.059	0.039		0.760	0.048	T	0.80	0.03	L	10.2033	0.0026	0.022	110		10.17	10.24		C			1						G
90298	8.815	0.011	8.621	0.013		0.190	0.015	G	0.21	0.02	H	8.6479	0.0011	0.016	121		8.62	8.67		C			1						
90299						1.180	0.015	G	1.14	0.01	I	11.9295	0.0118	0.070	44		11.69	12.04					1	S					G
90300	8.656	0.013	7.643	0.009	A	0.900	0.495	G	0.89	0.02	L *	7.6051	0.0016	0.015	83	*	7.58	7.63			18255−3015	I 1	2	C	D	AB	190	4.992	0.048	3.97	0.31	S D

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)																						Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ																						F1	F2
	h m s	±° ′ ″	mag		deg	deg	mas	mas/yr		mas		mas	mas/yr		α*	α*	π	δ	α*	$\mu_{\alpha*}$	δ	μ_δ	π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	%	
1 2	3	4	5 6 7		8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28													29	30
90301	18 25 30.90	+41 18 49.7	8.84 H		276.378 737 27	+41.313 804 24	1.85	−8.87	−21.40	0.70	0.65	0.86	0.78	0.83	+ 1	−11	−	7	−	9	+	9	−17	+	9	−23	+	3	+	1									0	0.39
90302	18 25 31.45	−37 08 56.9	7.93 H		276.381 052 91	−37.149 128 83	4.30	9.71	5.99	0.86	0.56	0.94	1.07	0.65	−13	−20	+	8	+	9	+24	+19	+25	−24	+	9	+	5									0	−0.37
90303	18 25 31.48	−12 41 24.2	9.02 2 H		276.381 155 76	−12.690 049 24	−0.79	1.86	−1.29	1.37	1.14	1.45	1.27	1.07	+39	−16	+12	−30	−31	−11	−28	−47	−26	+19													0	−0.45
90304	18 25 31.63	−63 01 16.6	6.13 1 H		276.381 788 72	−63.021 286 53	14.03	0.57	−101.87	0.54	0.47	0.69	0.59	0.49	+19	−16	−12	−12	−	5	−	7	−	4	−26	−	6	+25									2	−1.76
90305	18 25 31.85	+12 28 17.4	9.05 H		276.382 717 65	+12.471 504 69	8.30	−34.37	−19.24	0.99	0.77	1.40	1.26	1.05	+21	−42	−25	−10	+	8	+	5	−10	−17	+41	+11													0	2.06
90306	18 25 31.99	+38 21 19.2	11.28 2 G		276.383 273 01	+38.355 329 29	39.40	−76.81	−743.33	1.38	1.40	1.79	1.85	2.09	+12	−11	−	6	+10	+	1	−11	−	3	−35	−	5	+	4									0	1.08
90307	18 25 32.65	+14 45 03.6	7.51 H		276.386 059 92	+14.751 007 06	2.47	0.64	0.30	0.69	0.65	1.22	1.11	0.89	−20	+	5	−32	−21	+34	−47	+22	−39	+43	−31													0	0.42
90308	18 25 33.78	−56 10 22.0	8.93 H		276.390 750 14	−56.172 780 08	3.67	−12.41	−51.55	1.04	0.78	1.27	1.23	0.83	−	9	−18	−21	+27	−24	+19	−22	−	7	+	3	−18											0	−0.86
90309	18 25 34.39	−60 06 24.0	8.30 H		276.393 308 11	−60.106 654 86	2.57	7.85	−4.92	0.94	0.73	1.01	1.12	0.90	−	9	−23	−	4	+42	−	7	−	1	−	9	+34	+16	+	5									0	0.63
90310	18 25 34.70	+27 41 37.4	7.74 H		276.394 597 99	+27.693 721 04	14.89	42.43	115.19	0.50	0.54	0.76	0.63	0.65	+	6	+	5	−	2	+	3	+17	+	15	+	6	+	4									0	0.12
90311	18 25 37.61	−15 09 10.0	7.79 H		276.406 690 25	−15.152 778 60	2.80	2.11	2.14	1.10	0.87	1.24	1.41	1.08	−21	−18	−33	−16	+28	−23	+16	−33	+24	−43													0	0.90
90312	18 25 38.71	+18 17 40.1	9.65 3 H		276.411 302 82	+18.294 471 58	4.71	16.31	18.37	1.04	1.18	1.55	1.27	1.39	−	6	−	4	−20	−11	+26	+	8	+27	−16	+20	+25											2	3.92
90313	18 25 38.80	+08 01 55.3	5.64 1 H		276.411 672 22	+08.032 024 40	4.04	−4.24	−7.39	0.52	0.39	0.69	0.65	0.52	+	3	−20	−11	−21	+	6	+17	+	5	−46	+20	+	4											0	−0.40
90314	18 25 39.12	+39 07 21.4	8.07 H		276.413 006 93	+39.122 599 87	1.13	10.35	4.24	0.67	0.59	0.81	0.77	0.83	+	1	−21	−12	+16	+12	−22	+	7	−23	+	2	−11											0	−0.82
90315	18 25 40.18	+04 37 08.9	8.40 G		276.417 403 75	+04.619 137 96	3.15	2.61	−6.93	1.00	0.77	1.11	0.94	0.87	−	8	−25	−	3	−24	+20	+17	+23	−13	+	1	−	9											0	2.15
90316	18 25 40.57	−49 42 24.3	8.23 H		276.419 060 36	−49.706 745 69	0.56	1.28	−2.52	0.92	0.67	1.11	1.16	0.80	+	0	−12	+14	+26	−36	−	6	−28	+	6	+	2	+33											0	0.83
90317	18 25 40.62	+16 25 54.5	9.35 H		276.419 253 12	+16.431 812 70	−0.74	0.01	−4.68	0.96	0.92	1.50	1.22	1.02	−17	−16	−17	−	9	+25	−28	+18	−28	+15	−	8													0	−2.13
90318	18 25 41.57	−78 22 14.1	10.27 H		276.423 191 88	−78.370 574 86	0.81	3.71	−13.25	0.95	1.07	1.29	1.07	1.27	−19	−12	+	1	−10	+	1	−	5	+	2	−	3	−	2	−29									1	−1.29
90319	18 25 42.85	−32 05 29.6	9.28 G		276.428 538 71	−32.091 557 49	8.31	68.85	−167.97	1.39	0.95	1.60	1.98	1.24	+14	−18	−	2	+	5	−	7	−25	−	2	−35	−12	+26											3	−0.42
90320	18 25 43.15	−09 45 11.0	8.69 G		276.429 778 26	−09.753 059 12	0.02	1.62	−2.81	1.16	0.81	1.30	1.10	0.81	−	2	−47	−25	+16	−21	+11	−18	+11	−	1	−39													0	2.29
90321	18 25 43.95	−23 04 51.2	8.00 H		276.433 122 83	−23.080 888 98	5.31	−1.26	0.50	1.26	0.91	1.75	1.54	0.97	+31	−51	−62	+25	+52	−52	−12	−61	+53	−43													2	1.72
90322	18 25 44.22	−31 30 05.2	8.62 H		276.434 248 07	−31.501 446 64	4.49	−10.21	−24.27	1.08	0.75	1.27	1.41	0.90	+	2	−24	−21	−	3	+21	−26	+	4	−42	+26	−28											0	−0.43
90323	18 25 45.69	−44 06 18.8	8.57 H		276.440 380 29	−44.105 231 82	4.50	−0.76	−18.46	1.17	0.75	1.32	1.45	0.93	+	7	−47	−17	−29	−	6	+12	−15	−49	+18	−20													0	1.18
90324	18 25 46.41	+31 54 52.8	8.15 H		276.443 365 65	+31.914 656 62	4.71	12.65	−10.84	0.58	0.57	0.80	0.69	0.79	+	4	−16	+	4	−	2	+	8	−	4	+	8	−15	+	5	+	0							0	0.90
90325	18 25 47.28	+35 20 34.0	7.22 H		276.447 007 73	+35.342 791 47	9.90	21.05	−21.58	0.53	0.50	0.67	0.63	0.70	+13	−22	−	3	−10	−14	−	9	−15	−36	+	7	+17													0	−0.95
90326	18 25 47.70	+14 02 33.7	9.41 H		276.448 767 68	+14.042 699 99	2.51	1.94	−8.71	0.97	0.91	1.48	1.41	1.21	+	7	−26	−26	−21	+	7	−16	−	6	−39	+34	−12											0	0.93
90327	18 25 48.21	+01 21 15.8	9.20 H		276.450 875 58	+01.354 388 96	3.79	1.94	−0.73	1.21	1.01	1.41	1.33	1.16	−10	−27	−29	−27	+	8	+17	+	9	−18	+14	−10											0	−0.44
90328	18 25 48.77	+70 25 19.4	8.16 H		276.453 214 66	+70.422 055 17	5.17	1.50	23.33	0.66	0.61	0.67	0.75	0.66	+	3	−11	+17	−31	+10	−22	+	7	−	2	−18	+32											0	1.12
90329	18 25 49.73	+63 34 38.0	9.54 H		276.457 202 32	+63.577 224 39	7.17	39.95	0.82	0.75	0.93	0.85	0.81	1.04	+	9	−14	−	9	+17	+17	−	8	+15	+	6	+12	+17									0	2.18
90330	18 25 50.16	+07 06 06.2	8.02 G		276.458 993 22	+07.101 729 53	8.84	−17.74	23.35	0.81	0.58	1.10	0.97	0.76	+25	−20	−	8	−40	−12	+17	−16	−60	+25	+23													1	1.35
90331	18 25 50.16	+02 01 17.9	9.11 G		276.459 020 43	+02.021 631 94	3.65	−1.05	−2.46	1.31	1.12	1.52	1.16	1.07	−12	−17	−37	−31	+38	−	3	+34	−23	+24	−	3											0	−0.22
90332	18 25 50.89	−35 28 10.5	8.99 H		276.462 059 82	−35.469 578 90	1.15	2.59	−8.08	1.34	0.81	1.50	1.43	0.91	+	6	−55	−20	−	9	+18	+	0	+	6	−41	+	8	−18									0	0.35
90333	18 25 52.65	−46 36 53.3	8.55 H		276.469 373 78	−46.614 812 87	4.75	7.02	−4.91	0.95	0.68	1.12	1.24	0.79	+	3	−30	−24	+15	+	6	−15	−13	−29	+23	−36													0	0.44
90334	18 25 53.46	+65 19 34.3	8.31 H		276.472 762 20	+65.326 182 06	8.81	−6.47	−84.80	0.64	0.67	0.68	0.77	0.89	+	7	−	8	−13	−17	−	1	+	6	+	0	+	3	−	3	+	7							0	−1.41
90335	18 25 54.25	+71 43 53.9	7.34 G		276.476 027 28	+71.731 644 82	8.04	2.58	51.41	0.59	0.62	0.63	0.72	0.73	−	5	−25	+15	−24	+	4	+14	+	6	−17	−15	+	5											0	1.36
90336	18 25 54.61	−33 56 44.5	6.30 H		276.477 526 48	−33.945 691 63	3.39	−1.58	−10.88	0.83	0.57	0.94	0.97	0.59	+19	−29	−12	−	9	+	1	−21	−11	−45	−	4	−20											0	2.14
90337	18 25 55.23	+14 57 58.6	6.37 1 H		276.480 143 19	+14.966 280 17	8.72	−7.60	−19.85	0.55	0.49	0.83	0.76	0.61	−17	−18	−19	−	6	+22	−26	+14	−29	+24	−	8													0	−0.96
90338	18 25 56.71	+21 36 21.2	7.68 1 H		276.486 285 32	+21.605 891 92	3.93	0.79	21.52	0.56	0.51	0.84	0.59	0.54	+12	−	8	+	5	+63	+27	−11	+21	+13	+16	+	1											0	2.24
90339	18 25 56.74	−46 59 15.3	8.66 H		276.486 418 96	−46.987 586 16	6.31	21.92	−52.92	1.03	0.75	1.24	1.35	0.89	−	9	−24	−19	+11	+	5	−20	−	9	−29	+21	−35											0	0.97
90340	18 25 57.05	−51 23 19.1	7.76 H		276.487 725 38	−51.388 647 11	1.06	1.50	−4.98	0.77	0.58	0.93	0.90	0.66	−	3	−24	+19	+28	−26	−	5	−19	−12	+	0	+15											0	−0.06
90341	18 25 57.39	−53 03 53.8	10.52 G		276.489 131 78	−53.064 951 50	−1.32	−1.71	−17.74	1.84	1.33	2.16	2.05	1.41	+26	−37	−26	+	4	−32	−	1	−36	−26	+25	+19											2	0.89
90342	18 25 58.77	+29 49 44.4	5.81 H		276.494 881 69	+29.828 989 59	7.63	23.23	−24.45	0.43	0.42	0.60	0.54	0.51	+	2	−	7	−	7	−	4	+	6	−10	+	5	−12	+10	+11									1	−0.23
90343	18 25 58.90	+33 09 00.0	8.28 H		276.495 411 27	+33.149 998 48	4.46	−9.85	0.88	0.65	0.59	0.85	0.71	0.69	+	3	−16	+	8	+37	+13	−21	+19	+	1	+10	+13											0	0.49
90344	18 25 58.99	+65 33 48.8	4.82 H		276.495 782 99	+65.563 546 28	10.28	106.52	−27.07	0.48	0.45	0.48	0.52	0.56	+10	−25	−12	−17	+	5	+	3	+	6	+	1	−	2	+12									0	−3.40
90345	18 26 01.00	+15 45 30.8	7.42 G		276.504 153 03	+15.758 568 00	14.60	5.49	−55.54	0.68	0.58	0.95	0.91	0.72	−23	−	9	−	9	+	3	+27	−	9	+24	−16	+28	−	1									0	−1.84
90346	18 26 02.27	−66 39 26.0	8.86 H		276.509 474 11	−66.657 226 98	0.71	4.47	−25.27	0.72	0.78	1.10	0.81	0.87	−	4	−16	−	6	−24	+11	+13	−19	−12	+	7											0	−0.40
90347 H	18 26 03.36	+00 46 49.7	6.87 H		276.514 003 98	+00.780 480 52 A	7.41	17.38	5.87	1.42	1.23	1.18	1.26	1.19	+33	−11	−	6	+12	+29	+12	+37	+26	+	2	+18											1	0.12
90348	18 26 05.24	−27 47 50.8	9.27 H		276.521 852 33	−27.797 435 23	4.16	−13.22	−35.43	1.37	0.84	1.48	1.70	1.06	+19	−36	−	5	+14	+	0	+	6	−	4	−35	+17	+23									0	−2.30
90349	18 26 06.85	−40 03 10.2	8.55 H		276.528 525 51	−40.052 842 79	5.81	0.53	7.17	1.11	0.79	1.36	1.63	1.03	+	1	−	1	−13	−	4	−21	−	8	−18	−46	+14	+	5									0	0.28
90350	18 26 07.41	−08 09 08.2	8.35 H		276.530 886 51	−08.152 286 87	6.72	6.34	−28.18	0.98	0.68	1.06	0.95	0.75	+	3	−40	−	4	−	5	+14	+	6	+16	−	7	−	7	+	2							0	1.10
90351	18 26 08.38	+42 42 39.4	9.15 H		276.534 931 17	+42.710 939 79	1.95	5.51	−27.20	0.74	0.68	0.88	0.79	0.95	−	9	−17	+	0	−	2	+	7	−	4	+	8	−	9	−	5	−15						2	0.88
90352	18 26 09.09	+26 50 41.1	8.48 H		276.537 892 79	+26.844 746 82	1.69	−21.69	−25.25	0.68	0.73	1.14	0.96	1.10	+11	+	1	−21	+	5	+10	−	8	+	9	+	3	+	9	−	7							0	0.17
90353	18 26 09.45	+79 37 42.5	7.21 H		276.539 372 17	+79.628 477 27	5.21	5.00	40.63	0.48	0.50	0.55	0.49	0.62	+10	−17	+15	−	1	−	6	−	7	+	0	−12	−27	+26									0	0.07
90354	18 26 09.55	+52 15 33.4	9.47 G		276.539 781 62	+52.259 277 64	2.67	8.12	−5.60	0.76	0.79	0.84	0.89	0.93	+	4	−23	−14	+	5	+	5	−10	+	4	+29	−11	+12									3	−2.14
90355	18 26 10.20	+08 46 43.3	7.83 H		276.542 511 93	+08.778 688 88	37.04	−194.69	−458.10	1.25	0.99	1.70	1.45	1.27	+21	−31	−35	−41	−	6	+17	−12	−65	+41	+19													3	
90356	18 26 13.38	−33 11 09.4	8.88 H		276.555 740 32	−33.185 945 09	5.95	25.82	−9.88	1.20	0.93	1.36	1.61	1.04	+	9	−16	+18	−	6	−	7	−25	−	3	−43	−18	+	3									0	1.05
90357	18 26 15.52	+18 52 10.0	8.44 G		276.564 667 45	+18.869 434 36	1.01	2.12	−4.71	0.81	0.73	1.09	1.00	0.91	−17	−12	−13	−	7	+23	+	3	+28	−28	+	0	+	4									0	−0.04
90358	18 26 16.39	−45 57 22.0	8.03 H		276.568 294 39	−45.956 098 45	4.31	−20.39	−29.96	0.88	0.64	1.01	1.11	0.71	−	1	−26	−	7	−	3	+	7	−22	−	3	−35	+13	−29									0	0.32
90359	18 26 17.06	−79 55 38.5	7.46 2 H		276.571 086 67	−79.927 358 74	1.67	5.72	−17.23	0.53	0.56	0.69	0.59	0.60	−	8	−20	+	3	+15	−	9	−	8	−11	−19	−	6	−21									0	0.63
90360	18 26 19.51	+08 28 17.6	8.50 H		276.581 272 35	+08.471 557 00	3.51	3.79	−5.87	0.82	0.67	1.08	0.99	0.88	+15	−20	−19	−21	+	9	+15	+	9	−42	+26	+23													0	0.89
90361	18 26 19.64	+26 13 39.8	6.89 H		276.581 828 91	+26.227 731 04	3.65	−2.00	−4.80	0.41	0.45	0.67	0.53	0.60	−	3	−11	−	5	+14	+12	−	2	+13	+13	−	4	−18									0	0.24
90362	18 26 20.44	+28 11 25.0	8.35 H		276.585 152 96	+28.190 281 45	2.63	5.78	−5.70	0.55	0.63	0.88	0.65	0.68	−	4	−	8	+	5	+	3	+20	−	4	+17	+	3	+10	+	3							1	−0.03
90363	18 26 20.74	+20 28 42.3	7.69 H		276.586 402 10	+20.478 410 97	2.00	2.60	4.20	0.48	0.56	0.85	0.50	0.54	+19	+10	+16	+61	+35	+15	+29	+40	+	3	+	5											0	1.39
90364	18 26 21.58	+19 10 53.0	8.09 G		276.589 902 81	+19.181 378 29	1.38	−18.19	−7.01	0.80	0.80	1.10	0.92	0.93	−24	−	4	−	8	−18	+29	−10	+32	−36	+16	+	0											0	−1.83
90365	18 26 22.05	+08 37 00.9	8.32 2 H		276.591 890 95	+08.616 903 44	26.30	−195.97	−468.84	0.75	0.60	1.08	0.96	0.80	+11	−12	−15	−15	+15	+27	+15	−33	+38	+23													0	0.10
90366	18 26 22.27	−23 40 52.3	9.75 H		276.592 771 46	−23.681 182 63	9.01	3.98	−7.19	1.73	1.24	1.96	2.24	1.37	−24	−15	−30	−23	+53	−43	+34	−70	+32	−49													0	1.35
90367	18 26 22.28	+06 51 25.7	9.13 G		276.592 852 35	+06.857 129 87	2.13	0.05	1.80	1.02	0.76	1.51	1.24	1.01	+27	−23	−	7	−37	−	7	+20	−13	−55	+28	+22											1	0.86
90368	18 26 22.88	+46 48 13.8	9.76 H		276.595 342 49	+46.803 831 84 B	12.27	−33.20	1.69	22.29	20.83	12.38	15.08	18.81	+	9	−	5	−	9	+	6	+	8	−	8	+	8	−20	+	6	+	3					1	1.90
90369	18 26 23.69	−15 37 48.7	7.34 H		276.598 707 45	−15.630 191 24	1.52	3.30	0.19	1.08	0.78	1.10	1.32	0.92	−37	−22	−24	−23	+36	−29	+25	−42	+21	−50													0	0.56
90370	18 26 24.44	+46 48 32.1	7.88 G		276.601 820 26	+46.808 913 56 A	10.01	−27.31	11.54	1.73	1.60	1.47	1.83	2.07	+16	−	1	−	9	+20	+	8	−11	+	5	−17	+	9	+	7									1	1.90
90371	18 26 24.65	−41 03 52.4	9.10 H		276.602 702 07	−41.064 558 96	−1.01	4.40	−2.44	1.30	0.89	1.52	1.67	1.05	+	7	−28	−12	+	8	+	8	+28	+	5	+	0											0	−0.37
90372 H	18 26 25.91	+43 26 01.5	9.73 H		276.607 944 14	+43.433 746 54 A	4.85	23.93	25.11	1.29	1.27	1.47	1.24	1.79	+	8	+	3	+15	+	7	+	0	+	1	−	3	−10	−23	+12									3	0.03
90373	18 26 26.46	−18 05 10.4	7.94 G		276.610 252 63	−18.086 220 10	0.99	2.46	−2.06	1.15	0.69	1.16	1.25	0.84	+	8	−46	−15	+37	+	6	+12	+	3	+27	+	8	−	1									0	−0.07
90374	18 26 27.50	−69 30 33.3	7.85 H		276.614 586 21	−69.509 242 03	4.78	1.09	−20.85	0.43	0.58	0.90	0.47	0.72	−	1	−16	−	6	+20	−27	+	0	−34	−	5	+17	−11									0	−1.15
90375	18 26 28.41	−08 11 08.1	7.58 H		276.618 381 01	−08.185 576 13	5.71	−5.55	−7.70	0.81	0.60	0.90	0.78	0.62	−	7	−36	−13	−	1	+	2	+11	+	6	+	0	−	8	−13								3	0.94
90376	18 26 28.73	+79 25 20.6	9.24 H		276.619 712 98	+79.422 379 79	40.98	21.06	358.02	0.75	0.77	0.89	0.74	1.00	+	0	−22	+24	−13	−	4	−	3	+	6	−28	−41	+10									3	−0.02
*90377	18 26 29.22	+26 27 39.7	7.09 H		276.621 753 94	+26.461 023 31	4.21	0.12	−4.12	0.43	0.46	0.69	0.56	0.64	+	2	−	8	−12	+12	+11	+	7	+13	+15	−	2	−12									1	0.43
*90378	18 26 29.19	−71 47 03.9	9.49 H		276.621 611 37	−71.784 411 42 B	5.10	6.95	−4.42	4.82	7.38	3.72	4.03	5.88	+	5	−17	−	2	+	4	−11	−	5	−10	−17	−	1	+	8								5	2.10
90379	18 26 29.78	−07 07 36.7	8.33 H		276.624 070 74	−07.126 867 62	8.04	−16.46	−9.40	0.94	0.72	1.11	0.94	0.77	+	9	−11	−14	−21	−	6	+	8	−	2	−13	−31	−11									3	1.01
90380	18 26 31.36	−71 47 09.8	8.40 G		276.630 665 42	−71.786 057 68 A	5.16	11.26	0.79	1.38	1.86	1.99	1.34	1.74	+	1	−20	+	0	+	5	−	9	−	5	−	9	−10	+	3	+	4					5	2.10
90381	18 26 32.65	+09 41 48.6	8.46 H		276.636 046 65	+09.696 846 89	3.00	−0.82	−5.87	0.87	0.63	1.19	0.90	0.78	+	4	−38	−30	−36	+15	+	2	+	0	−54	+42	+	5									0	−1.27
90382	18 26 33.52	−09 12 06.0	7.52 2 H		276.639 679 96	−09.201 654 35	1.25	1.23	−2.06	0.87	0.64	1.01	0.79	0.63	+20	−50	−27	+	1	+11	+20	+16	+	8	−	1	+11									0	0.29
90383	18 26 33.97	−40 02 22.6	9.26 H		276.641 536 24	−40.039 603 26	1.33	14.32	−5.29	1.46	1.01	1.69	2.09	1.29	−	4	−15	−	1	−	4	−20	−	8	−13	−46	+	5	+12									0	0.13
90384	18 26 34.52	+37 35 12.5	9.87 H		276.643 847 86	+37.586 806 79	−0.12	2.44	11.49	0.95	0.88	1.18	1.06	1.32	+	9	−11	+	5	+14	+	2	−10	+11	−37	+	5	+21									0	1.13
90385 H	18 26 34.70	+24 22 12.6	7.99 1 H		276.644 588 02	+24.370 160 85 A	1.31	−1.09	−1.79	0.74	0.99	1.31	0.83	1.09	+	1	−10	−	1	+	4	+20	−	3	+19	−10	+	4	−	1								2	0.45
90386	18 26 35.02	−32 46 30.7	8.47 H		276.645 934 77	−32.775 193 02	7.14	1.23	−10.81	1.05	0.74	1.16	1.37	0.91	+10	−18	+	7	+	9	−	9	−18	−	3	−25	−16	+20									0	1.38
90387	18 26 35.38	−61 39 37.4	7.87 G		276.647 397 90	−61.660 380 22	4.71	4.14	−30.41	0.82	0.67	1.01	1.08	0.75	+	0	−19	−10	+	0	−18	−21	−20	−10	+11	−11											0	−2.45
90388	18 26 35.75	−00 11 07.2	8.30 H		276.648 951 46	−00.185 337 43	3.16	1.38	−18.39	1.07	0.78	1.19	1.08	0.88	+	3	−43	−25	+15	−23	−	1	−24	+18	+	7	−39											0	0.39
90389	18 26 36.37	+72 24 13.5	8.86 H		276.651 557 03	+72.403 749 38	2.87	−4.57	4.73	0.71	0.72	0.74	0.79	0.87	+	7	−14	+12	−	1	+23	−	2	+23	+12	+	5	+16									0	1.41
90390	18 26 37.15	−05 36 06.7	8.44 G		276.654 810 55	−05.601 855 29	5.59	6.47	−25.45	1.16	0.81	1.17	1.23	0.95	−	4	−39	−	6	+16	−33	+	2	−29	+10	−	6	−19									0	−0.80
90391	18

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″		ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65		66	67	68-70
90301	10.669	0.035	8.985	0.016		1.407	0.030	T	1.39	0.04	L	8.9766	0.0019	0.017	115		8.95	9.00					1							
90302	7.986	0.010	7.926	0.012		0.054	0.014	T	0.07	0.01	L	7.9491	0.0021	0.015	87		7.93	7.98					1							S
90303	10.385	0.046	9.244	0.029		0.981	0.042	T	0.96	0.03	L	9.1823	0.0135	0.148	59		9.13	9.59	11.12	P 1 A			1 S							
90304	6.368	0.003	6.150	0.004		0.202	0.005	T	0.22	0.01	L	6.1908	0.0013	0.010	114		6.17	6.21		M			1							S
90305	9.878	0.025	9.112	0.020		0.698	0.025	T	0.75	0.02	L	9.1946	0.0024	0.019	90		9.16	9.25		C			1							
90306						1.442	0.020	G	1.78	0.05	I	11.3652	0.0053	0.048	108		11.26	11.44		U			1							G
90307	9.053	0.014	7.641	0.008		1.190	0.015	G	1.15	0.01	H	7.6714	0.0014	0.011	95		7.65	7.69		C			1							S
90308	10.424	0.040	9.041	0.022		1.170	0.036	T	1.13	0.03	L	9.0912	0.0019	0.014	70		9.07	9.11		C			1							
90309	10.247	0.033	8.485	0.015		1.469	0.029	T	1.48	0.04	L	8.4263	0.0020	0.014	84		8.40	8.45		C			1							
90310	8.243	0.008	7.791	0.008		0.426	0.010	T	0.49	0.01	L	7.8398	0.0014	0.015	166		7.81	7.86		C			1							S
90311	9.395	0.023	7.927	0.013		1.237	0.021	T	1.20	0.02	L	7.9524	0.0022	0.013	54		7.93	7.98		C			1							
90312	10.618	0.039	9.761	0.029		0.768	0.037	T	0.81	0.03	L	9.7978	0.0096	0.069	105		9.69	9.94		P 1 A			1 S							G
90313	6.772	0.004	5.759	0.003		0.884	0.004	T	0.89	0.00	L	5.7925	0.0006	0.007	152		5.78	5.81		P 1 A			1							S P
90314	10.051	0.030	8.251	0.014		1.499	0.026	T	1.53	0.04	L	8.1965	0.0016	0.013	108		8.17	8.23					1							S
90315	8.610	0.014	8.422	0.016		0.180	0.015	G	0.20	0.02	H	8.4474	0.0018	0.016	70		8.41	8.47		C			1							
90316	9.566	0.019	8.328	0.012		1.057	0.018	T	1.02	0.01	L	8.3947	0.0015	0.015	93		8.37	8.42		C			1							
90317	11.537	0.081	9.556	0.023		1.642	0.067	T	1.66	0.07	L	9.4631	0.0017	0.020	113		9.42	9.49					1							
90318	10.421	0.026	10.223	0.033		0.182	0.041	T	0.20	0.05	L	10.3307	0.0036	0.034	147		10.26	10.38					1							G
90319	10.398	0.048	9.381	0.032		0.872	0.003	G	0.88	0.00	H	9.4390	0.0031	0.015	60		9.40	9.46		C			1							
90320	9.259	0.021	8.771	0.020		0.459	0.026	T	0.53	0.03	L	8.8055	0.0041	0.019	49		8.78	8.84					1							
90321	9.638	0.031	8.134	0.016		1.265	0.027	T	1.22	0.03	L	8.1619	0.0015	0.010	70		8.14	8.18					1							
90322	10.400	0.045	8.777	0.021		1.359	0.039	T	1.33	0.04	L	8.7752	0.0011	0.014	64		8.75	8.81		D			1							
90323	9.024	0.023	8.620	0.024		0.382	0.031	T	0.45	0.03	L	8.6585	0.0016	0.015	74		8.63	8.68					1							
90324	9.323	0.015	8.254	0.011		0.926	0.014	T	0.92	0.01	L	8.3140	0.0015	0.015	123		8.28	8.34		C			1							
90325	8.303	0.008	7.324	0.006		0.859	0.007	T	0.87	0.01	L	7.3813	0.0008	0.009	119		7.37	7.40		C			1							S
90326	9.527	0.019	9.414	0.024		0.110	0.029	T	0.12	0.03	L	9.4540	0.0023	0.022	88		9.41	9.51		C			1							
90327	10.824	0.059	9.335	0.029		1.253	0.052	T	1.21	0.05	L	9.3600	0.0031	0.020	54		9.32	9.39		C			1							
90328	8.263	0.009	8.158	0.011		0.102	0.013	T	0.12	0.01	L	8.1988	0.0014	0.011	94		8.18	8.22		C			1							
90329	10.204	0.028	9.590	0.026		0.572	0.033	T	0.64	0.03	L	9.6666	0.0020	0.018	101		9.61	9.70					1							
90330	8.545	0.009	8.081	0.009		0.466	0.015	G	0.54	0.02	H	8.1211	0.0011	0.011	157		8.10	8.14		C			1							S
90331	11.488	0.115	9.351	0.032		1.920	0.015	G	1.94	0.09	H	9.1419	0.0035	0.020	55		9.11	9.18					1							
90332	11.579	0.135	9.227	0.027		1.939	0.111	T	1.97	0.11	L	9.0758	0.0039	0.026	75		9.04	9.13					1							
90333	9.327	0.020	8.605	0.017		0.663	0.021	T	0.72	0.02	L	8.6878	0.0017	0.013	83		8.66	8.71					1							
90334	9.020	0.016	8.369	0.014		0.604	0.018	T	0.67	0.02	L	8.4334	0.0014	0.013	94		8.42	8.46		C			1							S
90335	7.855	0.008	7.401	0.008		0.428	0.010	T	0.50	0.01	L	7.4459	0.0008	0.010	109		7.42	7.46		C			1 G							S
90336	6.214	0.005	6.302	0.007		−0.075	0.008	T	−0.05	0.01	L	6.2854	0.0010	0.007	57		6.28	6.30		C			1							S
90337	6.317	0.003	6.361	0.004		−0.037	0.004	T	−0.01	0.00	L	6.3638	0.0013	0.011	112		6.35	6.38		M			1							S
90338	7.946	0.007	7.711	0.008		0.224	0.010	T	0.25	0.01	L	7.7438	0.0011	0.011	150		7.72	7.78		U 2 C			1							
90339	9.120	0.019	8.711	0.020		0.400	0.023	T	0.47	0.03	L	8.7528	0.0013	0.013	74		8.72	8.78		D			1							
90340	7.719	0.009	7.743	0.012		−0.017	0.014	T	0.01	0.01	L	7.7628	0.0015	0.011	84		7.74	7.79		C			1							S
90341	12.055	0.176	10.519	0.061		1.380	0.020	G	1.35	0.02	H	10.6612	0.0049	0.034	76		10.57	10.72		C			1							G
90342	5.900	0.003	5.824	0.003		0.068	0.009	G	0.09	0.03	C	5.8433	0.0006	0.007	139		5.83	5.86					1							S
90343	8.759	0.010	8.325	0.010		0.410	0.013	T	0.48	0.01	L	8.3731	0.0016	0.017	133		8.34	8.40					1							
90344	6.355	0.004	4.959	0.002		1.179	0.013	G	1.16	0.03	C	4.9835	0.0007	0.004	101		4.98	4.99					1							S
90345	7.906	0.008	7.461	0.006		0.456	0.015	G	0.53	0.02	H	7.5201	0.0013	0.010	115		7.50	7.54		C			1							S
90346	10.301	0.027	8.994	0.015		1.111	0.024	T	1.07	0.03	L	9.0276	0.0015	0.020	122		8.99	9.07		C			1							
90347	7.214	0.008	6.923	0.009	*	0.277	0.011	T	0.31	0.01	L *	6.9390	0.0026	0.011	50	*	6.92	6.96		D	18261+0047	I 1	2 C A	AB	148	0.432	0.002		0.66	0.01	S
90348	10.715	0.072	9.452	0.039		1.071	0.066	T	1.04	0.05	L	9.4172	0.0037	0.018	72		9.39	9.45		C			1 S							G
90349	9.734	0.022	8.670	0.015		0.922	0.020	T	0.92	0.01	L	8.7099	0.0023	0.016	88		8.68	8.75		C			1							
90350	8.610	0.015	8.399	0.016		0.202	0.021	T	0.22	0.02	L	8.4184	0.0026	0.016	61		8.39	8.45					1							S
90351	10.978	0.050	9.321	0.021		1.500	0.040	G	1.16	0.08	S	9.3134	0.0014	0.018	116		9.27	9.35		R			1							
90352	10.416	0.030	8.647	0.012		1.474	0.026	T	1.49	0.04	L	8.6040	0.0019	0.023	152		8.57	8.65					1							
90353	7.565	0.006	7.250	0.009		0.302	0.015	G	0.35	0.02	H	7.2893	0.0008	0.008	114		7.28	7.31					1							S
90354	9.676	0.023	9.423	0.027		0.200	0.015	G	0.22	0.02	H	9.5068	0.0025	0.019	104		9.47	9.53					1							
90355	8.700	0.009	7.912	0.007		0.699	0.005	G	0.76	0.00	H	7.9716	0.0008	0.013	155		7.95	7.99			18262+0846	I 2	1 X							
90356	10.222	0.038	9.021	0.023		1.028	0.035	T	1.00	0.03	L	9.0428	0.0023	0.018	64		9.02	9.08					1							
90357	8.337	0.009	8.428	0.011		−0.065	0.009	G	−0.04	0.01	H	8.4199	0.0019	0.017	101		8.39	8.45		C			1							
90358	9.325	0.037	8.155	0.025		1.004	0.035	T	0.98	0.03	L	8.1918	0.0015	0.015	76		8.17	8.22					1							
90359	9.752	0.018	7.670	0.007		1.762	0.016	T	2.38	0.04	O	7.4957	0.0031	0.033	142		7.45	7.54		U 2			1							S
90360	9.864	0.016	8.632	0.010		1.052	0.015	T	1.02	0.01	L	8.6678	0.0015	0.018	169		8.64	8.70		C			1							
90361	6.721	0.003	6.868	0.004		−0.126	0.004	T	−0.12	0.01	L	6.8524	0.0010	0.011	174		6.83	6.87					1							S
90362	8.437	0.009	8.348	0.010		0.087	0.013	T	0.10	0.01	L	8.3849	0.0015	0.018	158		8.36	8.42					1							
90363	9.196	0.011	7.814	0.006		1.169	0.010	T	1.13	0.01	L	7.8541	0.0009	0.011	213		7.84	7.87		C			1							
90364	10.278	0.027	8.297	0.010		1.680	0.020	G	1.69	0.09	H	8.1959	0.0022	0.020	103		8.15	8.24					1							
90365	9.278	0.011	8.386	0.009		0.764	0.015	G	0.80	0.01	H	8.4615	0.0027	0.029	160		8.43	8.55		U	18262+0846	I 2	1							
90366	10.371	0.043	9.823	0.046		0.513	0.056	T	0.59	0.06	L	9.8628	0.0018	0.024	69		9.79	9.90		D			1							G
90367	9.378	0.015	9.161	0.017		0.207	0.001	G	0.23	0.00	H	9.1903	0.0014	0.017	145		9.16	9.22		C			1							G
90368	10.311	0.029	9.592	0.025	B	0.661	0.031	T	0.72	0.03	L	9.8401	0.0951			B				D	18264+4648	I 2	1 C I C							
90369	7.360	0.010	7.353	0.011		0.063	0.012	G	0.01	0.01	L	7.3504	0.0014	0.011	50		7.33	7.37					1							S
90370	8.323	0.011	7.884	0.011	A	0.427	0.015	G	0.49	0.02	H	7.9661	0.0225	0.025	112	A	7.90	7.99		D	18264+4648	I 2	1 C P C							S
90371	10.274	0.030	9.170	0.019		0.952	0.028	T	0.94	0.02	L	9.2596	0.0030	0.019	90		9.23	9.29					1							
90372	10.369	0.030	9.862	0.030	A	0.493	0.072	G	0.57	0.08	R *	9.8386	0.0024	0.025	117	*	9.79	9.88		D	18264+4326	H 1	2 C D	AB	55	1.032	0.046		3.25	0.19	D
90373	8.935	0.019	8.046	0.015		0.993	0.015	G	0.97	0.01	H	8.0615	0.0018	0.010	59		8.05	8.08		C			1 S							
90374	9.045	0.008	7.966	0.006		0.934	0.008	T	0.93	0.01	L	8.0135	0.0013	0.018	293		7.98	8.05					1							
90375	7.827	0.011	7.601	0.008		0.216	0.013	T	0.24	0.01	L	7.6463	0.0011	0.010	57		7.63	7.68		C			1							S
90376	10.816	0.048	9.438	0.023		1.166	0.042	T	1.13	0.04	L	9.3943	0.0025	0.024	107		9.35	9.43		R			1							
90377	6.951	0.004	7.069	0.005		−0.101	0.006	T	−0.08	0.01	L	7.0649	0.0009	0.011	167		7.05	7.08					1							S
90378	9.869	0.016	9.494	0.017	B	0.355	0.021	T	0.42	0.02	L	9.5912	0.0134			B				D	18265−7147	I 2	1 C I A							
90379	9.981	0.030	8.503	0.016		1.245	0.027	T	1.20	0.03	L	8.4971	0.0025	0.015	61		8.47	8.52		C			1							
90380	9.518	0.014	8.452	0.009	A	0.971	0.015	G	0.96	0.01	H	8.5493	0.0058	0.037	228	A	8.51	8.65		D	18265−7147	I 2	1 C P A							S
90381	8.565	0.010	8.467	0.012		0.096	0.015	T	0.11	0.02	L	8.4952	0.0018	0.013	117		8.48	8.52		C			1							
90382	8.368	0.014	7.647	0.016		0.662	0.017	T	0.72	0.01	L	7.6544	0.0060	0.058	60		7.61	8.15		P 1 A			1							S
90383	10.362	0.040	9.372	0.028		0.867	0.036	T	0.88	0.03	L	9.4160	0.0025	0.020	81		9.37	9.45		C			1							
90384	11.974	0.150	10.034	0.040		1.645	0.128	T	1.71	0.17	K	9.9762	0.0022	0.022	102		9.94	10.03					1							G
90385	9.973	0.019	8.170	0.008	A	1.000	0.495	G	1.45	0.03	L *	8.1224	0.0016	0.018	192	*	8.09	8.15		U	18266+2422	I 1	2 C C	AB	268	3.326	0.034		4.05	0.20	
90386	9.870	0.029	8.640	0.018		1.050	0.027	T	1.02	0.02	L	8.6355	0.0021	0.014	72		8.60	8.66		C	18266−3246	I 1	1 S							
90387	8.320	0.011	7.893	0.013		0.363	0.015	G	0.42	0.02	H	7.9582	0.0018	0.015	88		7.94	7.99					1							S
90388	9.006	0.018	8.363	0.017		0.597	0.021	T	0.67	0.02	L	8.4324	0.0017	0.013	52		8.41	8.46					1							
90389	10.067	0.024	8.994	0.017		0.929	0.022	T	0.92	0.02	L	9.0242	0.0018	0.014	103		9.00	9.06		C			1							
90390	8.939	0.019	8.503	0.019		0.417	0.015	G	0.48	0.02	H	8.5329	0.0025	0.018	50		8.50	8.56		C			1							
90391	10.030	0.036	9.258	0.030		0.687	0.036	T	0.74	0.03	L	9.3779	0.0028	0.018	57		9.36	9.42					1							
90392	9.311	0.016	9.019	0.018	*	0.251	0.017	G	0.28	0.02	H *	9.0767	0.0014	0.016	145	*	9.05	9.11		D	18266+0633	H 1	2 C S B	AB	234	0.159	0.037		1.12	0.86	D
90393	9.046	0.014	8.346	0.012		0.619	0.013	G	0.69	0.01	H	8.4031	0.0012	0.016	121		8.38	8.43					1							S
90394	8.249	0.009	7.152	0.006		0.947	0.008	T	0.94	0.01	L	7.2145	0.0012	0.009	113		7.20	7.24		C			1							S
90395	10.090	0.031	8.183	0.012		1.583	0.026	T	1.60	0.03	L	8.1194	0.0013	0.012	109		8.09	8.14		C			1							
90396	10.199	0.048	9.027	0.031		0.998	0.045	T	0.98	0.04	L	9.0115	0.0020	0.017	91		8.98	9.04					1 S							
90397	7.396	0.007	6.811	0.007		0.548	0.007	T	0.62	0.01	L	6.8728	0.0010	0.007	86		6.86	6.88		C			1							S
90398	6.357	0.003	6.482	0.004		−0.107	0.004	T	−0.09	0.01	L	6.4693	0.0007	0.008	168		6.45	6.48		C	18267+2627	I 1	1							S
90399	9.912	0.020	8.487	0.011		1.203	0.018	T	1.16	0.02	L	8.5025	0.0017	0.018	128		8.47	8.54		D	18267+3610	I 1	1							S
90400	8.015	0.013	7.921	0.015		0.092	0.019	T	0.10	0.02	L	7.9570	0.0016	0.014	72		7.93	7.98					1							S

Number	Descriptor: epoch J1991.25					Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V			α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	$\alpha*$	δ	$\alpha*$	π	$\alpha*$	δ	π	$\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag			deg	deg		mas	mas/yr		mas		mas	mas/yr												%	
1 2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
*90401	18 26 42.66	+39 09 24.7	8.46		H	276.677 770 16	+39.156 851 33		2.89	−0.99	11.56	0.68	0.60	0.86	0.80	0.87	+ 4	−18	−14	+22	+ 6	−25	− 1	−30	+13	− 5	0	−0.30
*90402	18 26 42.65	−11 21 24.8	8.40		H	276.677 723 75	−11.356 893 69		1.68	0.06	−0.39	1.07	0.79	1.14	1.03	0.79	−24	−38	− 8	+17	−29	+ 6	−19	+ 9	−21	−45	6	0.93
90403	18 26 45.18	−76 52 24.0	9.12		H	276.688 257 73	−76.873 329 09		3.91	−11.23	10.86	0.67	0.83	1.00	0.83	1.13	− 3	−16	+ 1	+13	−10	+ 9	−12	+14	+ 3	−15	0	−1.26
90404	18 26 46.94	+08 06 07.8	8.80		H	276.695 600 49	+08.102 160 00		7.37	−55.80	−104.64	0.86	0.71	1.19	1.09	0.96	+31	−16	− 7	−29	−15	+29	−15	−55	+19	+36	0	−0.15
90405	18 26 48.00	+53 04 55.0	8.99	1	H	276.700 007 56	+53.081 952 13		1.42	2.14	−10.14	0.70	0.68	0.75	0.72	0.75	+ 0	−16	−21	−16	+17	−18	+12	+17	− 5	+ 7	0	2.05
90406	18 26 48.35	−35 17 24.5	8.37		H	276.701 461 07	−35.290 128 71		8.45	−17.00	−71.99	1.01	0.67	1.11	1.23	0.75	+ 0	−32	−25	+20	+ 0	−13	−11	−17	+ 8	−29	2	−0.78
90407	18 26 48.67	−61 17 00.2	7.89		H	276.702 772 26	−61.283 396 19		2.94	10.18	−5.50	0.85	0.70	1.04	1.18	0.74	− 2	−12	−27	+ 3	−22	−13	−23	+ 0	+13	−10	2	−0.35
90408	18 26 49.51	−53 37 52.7	8.70		H	276.706 281 14	−53.631 317 78		2.77	9.29	−17.04	1.13	0.85	1.48	1.23	0.92	+25	−40	−41	+ 2	−35	+15	−38	−23	+30	+23	0	−1.19
90409	18 26 50.51	+23 30 16.7	9.78	2	H	276.710 440 13	+23.504 642 99		−1.42	0.95	0.12	0.60	0.93	1.50	0.82	1.11	+11	− 7	+ 1	+18	+ 2	+ 7	+ 2	+11	− 5	+ 5	0	2.31
90410	18 26 51.15	+30 58 06.0	7.01		H	276.713 136 79	+30.968 325 84		5.60	−23.27	24.96	0.42	0.47	0.63	0.47	0.66	+ 6	− 1	− 7	+ 5	− 2	−13	− 1	−26	+ 9	+14	0	−1.37
90411	18 26 52.16	+37 26 25.8	8.73		H	276.717 323 18	+37.440 493 71		3.13	−3.12	−5.01	0.69	0.64	0.83	0.71	0.87	+11	− 7	+ 2	+16	+ 3	+ 0	+10	−33	− 1	+21	0	−1.31
*90412 H	18 26 52.77	−47 45 07.7	9.51		G	276.719 889 60	−47.752 127 09	A	10.32	−148.87	−75.75	1.94	1.29	2.20	2.00	1.32	+ 9	−31	+ 6	+14	−33	− 2	−32	+ 0	+15	+37	3	−0.75
*90413	18 26 52.74	−51 32 57.4	8.26	1	H	276.719 736 99	−51.549 285 32		4.32	29.03	19.25	0.86	0.68	1.08	0.98	0.75	+ 7	−25	+ 1	+20	−22	+ 5	−24	−16	+ 9	+ 3	2	1.82
90414	18 26 54.01	−48 07 01.6	5.44		H	276.725 037 69	−48.117 108 75		6.16	3.74	−55.09	0.59	0.40	0.73	0.69	0.43	− 1	−23	+ 2	+34	−31	−12	−25	+ 7	+ 7	+16	0	1.24
90415	18 26 55.34	+40 42 47.8	9.87		H	276.730 569 64	+40.713 266 01		20.18	203.20	318.63	0.96	0.74	1.09	1.07	0.93	+ 5	−15	− 5	+34	+15	−27	+17	−13	+ 6	+ 5	0	0.02
90416	18 26 55.56	−42 40 46.9	8.54		H	276.731 494 68	−42.679 690 15		−0.07	−2.33	−1.44	0.97	0.71	1.16	1.26	0.83	+ 9	−25	−19	− 9	− 3	− 4	− 9	−39	+17	− 2	0	0.70
90417	18 26 55.59	+15 09 06.2	9.59	3	H	276.731 626 96	+15.151 715 83		3.42	−43.22	−39.99	1.11	0.92	1.58	1.53	1.26	+ 0	−30	−13	− 4	+13	−10	+ 6	−23	+20	+10	0	0.38
90418	18 26 55.95	−17 11 51.4	8.04		H	276.733 140 00	−17.197 603 51		6.35	8.34	0.37	0.96	0.62	1.04	1.00	0.71	+ 4	−45	−19	+12	+ 3	+14	+ 5	+ 3	− 5	−19	0	0.49
90419	18 26 56.42	+36 04 28.5	8.41		H	276.735 077 80	+36.074 580 06		2.39	2.82	13.12	0.65	0.61	0.82	0.75	0.82	+15	−16	− 9	+22	− 1	−10	− 4	−29	+17	+13	0	−1.15
90420	18 26 56.98	+17 44 02.5	8.85	2	H	276.737 398 59	+17.734 028 32		6.71	1.98	−4.64	0.79	0.78	1.23	0.94	0.96	− 4	−15	− 3	− 4	+18	+28	+21	−11	+12	+20	0	−0.45
90421	18 26 57.58	−79 16 09.7	7.16		H	276.739 904 08	−79.269 363 06		3.45	−5.89	−32.52	0.50	0.53	0.66	0.55	0.58	−18	−28	+14	+ 9	− 9	− 8	− 7	−19	−11	−25	0	−0.78
90422	18 26 58.43	−45 58 06.0	3.49	1	G	276.743 459 47	−45.968 329 19		13.08	−16.68	−53.33	0.58	0.44	0.71	0.76	0.50	− 8	−30	−26	− 1	+25	−26	+ 4	−43	+25	−42	2	−1.77
90423	18 26 59.02	+54 53 06.7	7.64		H	276.745 924 14	+54.885 188 74		4.57	4.27	47.63	0.57	0.52	0.58	0.58	0.60	− 5	− 5	− 2	− 5	+18	−18	+17	+13	+ 5	+ 7	0	−0.19
90424	18 26 59.98	+20 11 38.4	8.55		H	276.749 937 17	+20.194 012 19		1.74	−0.52	3.00	0.59	0.62	1.05	0.60	0.65	+27	+11	+14	+64	+35	+14	+29	+34	+ 1	+ 9	0	0.61
90425	18 27 00.82	+47 22 10.1	8.85		H	276.753 436 31	+47.369 469 90		1.83	11.49	10.16	0.71	0.62	0.75	0.80	0.79	− 2	− 4	−15	− 5	+ 9	−12	+ 8	−16	+11	+ 0	1	−0.28
90426	18 27 01.49	+36 01 45.8	8.57		H	276.756 209 09	+36.029 377 55		5.10	−4.70	−7.28	0.65	0.61	0.82	0.75	0.83	+11	−15	− 6	+26	+ 1	−14	+ 0	−27	+16	+10	0	−0.14
90427	18 27 01.66	+09 12 35.0	7.39		H	276.756 936 12	+09.209 716 95		12.17	−51.98	−49.04	0.74	0.58	0.99	0.88	0.72	+ 0	−23	−36	−22	+29	− 8	+15	−47	+42	− 7	1	−1.61
90428	18 27 01.79	+07 43 57.8	8.00		G	276.757 472 37	+07.732 728 28		1.37	1.40	−2.95	0.72	0.53	1.01	0.91	0.68	+14	−11	+ 4	−26	− 3	+32	− 7	−54	+13	+16	0	0.50
90429	18 27 03.52	−69 22 51.8	8.00		H	276.764 654 84	−69.381 066 14		6.90	−1.35	−20.31	0.42	0.57	0.91	0.46	0.67	+ 4	−19	− 7	+19	−28	+ 1	−33	− 3	+18	− 8	0	−0.14
90430	18 27 04.02	−43 31 26.6	9.81		H	276.766 748 71	−43.524 061 92		4.81	3.48	−9.91	1.47	0.97	1.63	1.74	1.16	+15	−44	−24	− 5	−21	− 2	−32	−39	+26	−11	0	0.45
90431	18 27 05.29	−29 30 29.7	8.07		H	276.772 051 95	−29.508 236 71		4.68	11.74	−8.57	1.06	0.75	1.16	1.55	0.91	−27	−20	−28	−20	+54	−30	+31	−60	+32	−59	0	−0.06
90432 H	18 27 05.59	−17 19 28.2	8.27		G	276.773 287 28	−17.324 503 81	A	0.23	−0.62	−5.96	2.56	1.79	2.61	2.80	1.92	+ 9	−27	−25	+ 8	+11	− 4	+ 6	− 7	+ 6	− 6	0	1.43
90433	18 27 05.75	−50 30 32.6	8.50		H	276.773 958 26	−50.509 050 90		5.02	7.23	−48.23	1.08	0.80	1.22	1.60	0.97	+26	−13	+12	− 7	−54	−24	−40	−38	−15	+54	0	1.62
90434	18 27 07.89	+36 40 37.5	8.51		H	276.782 856 97	+36.677 078 09		3.22	−3.27	11.17	0.60	0.62	0.83	0.64	0.86	+ 6	−12	− 9	+ 4	+ 1	+ 7	+ 2	−28	+20	+10	0	0.11
90435 H	18 27 08.12	−39 15 30.8	9.85		G	276.783 853 92	−39.258 551 24	A	5.23	−5.46	−20.46	2.19	1.47	2.52	3.06	1.88	− 2	+14	−24	+ 7	−19	+ 0	−19	−50	+30	−12	3	0.21
90436 H	18 27 08.72	−08 52 42.9	9.07		H	276.786 317 71	−08.878 591 06	*	3.43	−1.49	−22.51	1.21	0.92	1.30	1.16	0.96	− 2	−40	+ 1	+ 4	+25	+13	+26	+11	− 8	+19	5	0.89
90437	18 27 08.86	−08 02 25.6	6.50		H	276.786 932 35	−08.040 430 90		10.03	2.53	10.05	0.77	0.57	0.88	0.75	0.57	−14	−31	−30	−15	+ 6	+15	+14	− 9	−11	−31	0	−0.11
90438	18 27 09.71	−01 28 12.1	8.79		H	276.790 473 86	−01.470 014 74		5.60	12.72	1.86	1.06	0.86	1.22	1.15	0.89	− 9	−10	−37	−21	+ 9	+ 7	+13	−18	− 3	− 2	3	0.38
90439	18 27 09.72	+11 12 33.5	8.18		H	276.790 496 03	+11.209 315 96		3.15	−1.94	−2.57	0.87	0.72	1.08	1.13	0.97	−13	− 1	−20	−36	+22	− 3	+23	−29	+18	−24	0	0.21
90440	18 27 12.38	+05 23 42.3	8.96		H	276.801 599 56	+05.395 089 68		3.14	3.59	7.94	1.12	0.89	1.27	1.03	0.93	+54	−42	−36	−34	−13	+13	− 5	−19	+ 1	+21	0	−0.44
90441 H	18 27 12.51	+00 11 46.1	5.20		G	276.802 124 84	+00.196 129 82	A	6.81	−2.64	−8.79	1.03	0.81	1.05	1.01	0.84	− 5	− 6	−25	−19	+ 9	− 2	+ 7	+ 5	−10	+10	0	0.06
90442	18 27 12.81	−51 53 02.5	7.97		G	276.803 359 99	−51.884 019 80		15.75	137.90	−105.55	0.82	0.59	0.95	0.92	0.65	− 6	−28	+10	+38	−18	+ 1	−15	+ 2	+ 5	+ 5	0	−2.39
90443	18 27 14.69	+06 31 07.0	8.18	1	H	276.811 214 60	+06.518 599 76		4.23	−0.63	−1.60	0.76	0.59	1.01	0.86	0.75	+26	−16	−10	−35	− 1	+13	− 6	−53	+21	+11	0	1.08
90444	18 27 15.70	+39 20 24.9	9.54		H	276.815 430 04	+39.340 245 85		4.27	−15.88	−1.33	0.80	0.75	1.00	0.96	1.05	+ 9	−14	−12	+12	+ 1	−25	− 2	−42	+11	+ 8	3	0.47
90445	18 27 17.52	+28 55 44.1	8.60		H	276.823 009 38	+28.928 907 47		3.81	−2.92	−5.93	0.57	0.58	0.89	0.72	0.72	− 6	− 5	− 8	+ 1	+18	−10	+17	−12	+11	− 1	0	1.90
90446	18 27 17.57	−55 57 15.1	7.62		H	276.823 218 56	−55.954 204 66		12.09	3.35	−33.63	0.73	0.58	0.88	0.84	0.64	−13	−25	− 4	+13	−10	+ 5	−11	−17	+ 8	−15	0	1.15
90447	18 27 18.43	+27 12 32.3	9.78		H	276.826 781 36	+27.208 979 36		4.75	13.53	11.03	0.94	0.93	1.46	1.28	1.21	+ 5	+ 7	−15	+31	+14	+ 3	+18	−17	+16	+12	1	0.74
90448	18 27 18.92	−53 38 01.7	7.20		H	276.828 835 72	−53.633 795 05		5.92	84.51	−36.62	0.81	0.63	1.04	0.91	0.70	+ 9	−30	−32	+14	−27	+ 4	−28	−10	+16	+12	0	0.30
90449	18 27 21.14	+77 08 04.6	8.11		H	276.838 097 45	+77.134 621 60		4.96	16.60	−19.45	0.54	0.51	0.57	0.63	0.61	+ 3	−17	+ 0	− 5	+ 6	−10	+10	+12	−17	+ 0	0	−0.13
90450	18 27 21.79	−30 07 27.4	9.05		H	276.840 806 20	−30.124 268 38		13.69	−36.41	−41.73	1.45	1.03	1.54	2.12	1.24	−33	−18	−30	−21	+55	−32	+33	−62	+32	−63	0	−0.20
90451	18 27 22.86	−22 31 46.6	10.90		G	276.845 249 97	−22.529 616 67		23.11	0.03	−99.97	2.48	1.66	2.63	2.56	1.73	+32	−51	−34	+29	− 2	−23	−22	−10	+18	−10	0	1.27
90452	18 27 23.21	−36 00 57.4	7.11		G	276.846 704 77	−36.015 954 20		−0.14	0.86	−7.55	0.79	0.50	0.85	0.96	0.60	−11	−25	− 2	+11	+21	+ 2	+17	−25	+12	− 8	0	−1.54
90453	18 27 25.78	+22 41 21.9	8.73		H	276.857 422 67	+22.689 425 58		6.55	19.91	15.78	0.54	0.73	1.14	0.60	0.86	− 4	−13	+18	+12	+21	+ 8	+22	+ 6	− 6	− 6	0	1.28
90454	18 27 27.49	+49 49 06.6	7.48		H	276.864 523 07	+49.818 486 38		8.59	23.35	58.35	0.55	0.49	0.58	0.63	0.58	+ 1	−25	−13	− 5	+ 6	− 1	+ 3	− 4	+11	− 1	0	−0.10
90455	18 27 27.69	−28 45 18.7	9.97		H	276.865 393 83	−28.755 201 39		4.39	4.93	−9.50	1.63	1.02	1.81	1.93	1.20	+ 1	−38	−13	−10	+26	−15	+15	−52	+11	−12	2	2.54
90456	18 27 28.37	+51 10 28.5	8.18		H	276.868 195 40	+51.174 591 63		2.22	−5.67	7.33	0.60	0.60	0.64	0.68	0.69	+ 3	− 8	− 6	+13	+ 6	+ 0	+ 7	+15	− 5	+ 9	0	−0.01
90457	18 27 28.66	+51 43 24.9	9.05		H	276.869 409 90	+51.723 595 13		1.23	2.47	14.37	0.73	0.73	0.79	0.82	0.87	+ 6	−10	−10	− 5	− 2	− 2	− 2	+19	−14	+ 9	0	−1.00
90458	18 27 29.42	+19 01 49.8	9.53		H	276.872 569 53	+19.030 486 51		1.98	0.60	2.92	0.98	0.92	1.43	1.18	1.27	−16	+18	−16	−24	+22	− 8	+25	−25	+10	− 2	0	−0.59
*90459	18 27 31.29	−15 22 25.3	6.95		H	276.880 366 65	−15.373 702 15		22.83	47.13	31.43	0.99	0.73	0.96	1.32	0.91	−33	− 9	−28	−27	+42	−18	+37	−36	+15	−37	0	2.48
*90460	18 27 31.27	+67 49 12.9	8.98		H	276.880 281 72	+67.820 263 78		3.31	5.82	−26.00	0.74	0.71	0.78	0.75	0.85	+11	−25	− 9	+17	+ 0	− 8	+ 5	+12	−25	+14	0	−1.01
90461	18 27 33.22	+79 47 41.2	8.29		H	276.888 425 33	+79.794 773 86		10.71	77.88	45.36	0.62	0.62	0.68	0.63	0.79	+13	−19	+ 7	−14	−13	−12	−10	−12	−25	+30	0	0.53
90462	18 27 33.64	+66 46 43.9	8.94		H	276.890 152 57	+66.778 872 09		2.09	−2.25	10.38	0.68	0.71	0.74	0.48	0.85	− 4	−11	− 9	−69	+ 2	+ 9	+ 4	− 4	+ 2	− 7	1	−0.94
90463	18 27 34.13	+58 28 45.7	9.15	2	H	276.892 212 41	+58.479 366 55		1.17	−2.25	−15.46	0.75	0.89	0.84	0.81	1.03	− 8	−10	−26	+ 9	− 8	+16	− 2	+50	−25	−13	0	−0.93
90464	18 27 34.32	+15 26 32.1	8.71		H	276.893 017 39	+15.442 263 10		2.98	1.01	−5.19	0.81	0.70	1.17	1.11	0.90	−11	−11	−13	+ 5	+24	−11	+21	−14	+25	+ 8	0	−1.52
90465	18 27 35.70	−32 23 36.4	9.12		H	276.898 736 46	−32.393 434 66	A	−1.15	1.18	−7.29	2.47	2.04	2.90	3.45	2.00	+32	− 4	−21	−25	− 5	−55	−26	−57	+15	+ 1	8	0.57
90466	18 27 35.87	−51 03 38.2	9.84		G	276.899 439 39	−51.060 621 20		35.54	−120.84	149.42	1.43	1.07	1.75	1.71	1.16	+11	−10	+ 8	+19	−34	− 5	−28	−10	+ 2	+22	0	−0.73
90467	18 27 37.01	+02 22 59.4	8.43		H	276.904 203 49	+02.383 163 42		19.27	−62.46	48.90	1.01	0.84	1.21	0.96	0.86	−15	−32	−26	−14	+18	+11	+16	−19	+15	−12	3	2.55
90468	18 27 37.29	−45 43 43.5	9.04		H	276.905 386 48	−45.728 739 98		1.57	−9.24	−7.90	1.23	0.83	1.33	1.48	0.95	−23	−41	− 3	−12	+23	− 3	+14	−40	+ 9	−36	0	−0.79
90469	18 27 38.26	−64 40 02.8	8.53		H	276.909 420 35	−64.667 435 70		2.72	−1.27	−17.41	0.61	0.67	1.07	0.82	0.89	−12	+ 4	−16	− 2	+18	+ 9	+23	−11	+15	+38	0	0.44
90470 H	18 27 38.34	−54 02 01.5	7.92		H	276.909 757 06	−54.033 763 21	A	1.25	4.14	−61.91	2.23	1.68	2.39	2.37	1.64	+23	−15	−14	+10	−24	− 6	−26	−16	+ 2	+11	2	−0.57
90471	18 27 38.75	−75 14 42.7	12.47	2	H	276.911 468 76	−75.245 204 92		9.67	−46.95	−93.83	2.63	3.32	4.32	3.04	3.98	+ 1	−14	+ 8	+ 8	−14	− 5	−14	− 4	− 9	− 8	0	1.41
90472	18 27 39.11	+06 31 55.8	8.44		G	276.912 960 52	+06.532 157 04		2.74	0.54	−1.22	0.80	0.61	1.05	0.93	0.80	+15	−11	+ 6	−33	+ 9	+ 9	+ 7	−49	+ 7	+ 2	0	0.84
90473	18 27 40.20	+53 57 03.7	7.23		H	276.917 500 08	+53.951 038 59		4.02	11.88	−9.37	0.51	0.50	0.54	0.51	0.55	− 2	− 9	− 3	+10	+15	− 9	+14	+16	+ 9	+ 8	1	1.32
90474	18 27 40.55	+49 18 33.5	12.38	3	H	276.918 943 34	+49.309 299 26	*	−0.61	0.31	−16.62	2.50	2.54	3.34	3.00	2.19	+11	−20	−52	+ 4	+29	−54	− 7	−32	+46	− 8	3	0.11
90475	18 27 40.73	−57 43 46.3	10.62		H	276.919 724 82	−57.729 520 73		3.43	−1.00	−32.85	1.61	1.17	1.76	1.87	1.25	− 1	−25	− 1	+21	−25	− 9	−22	− 5	+ 0	− 2	0	0.13
90476	18 27 42.09	+59 32 56.5	6.43		H	276.925 386 23	+59.549 018 45		8.93	45.76	38.51	0.45	0.49	0.48	0.48	0.51	+ 0	+ 2	+ 7	+14	+18	+ 2	+17	+15	− 5	+12	0	1.61
90477	18 27 43.66	−49 59 57.3	8.80		H	276.931 907 73	−49.999 259 67		7.01	11.36	14.66	1.12	0.81	1.36	1.50	0.95	+22	− 4	+21	+13	−41	−17	−28	−16	− 9	+52	0	−2.47
90478 H	18 27 43.76	−26 38 05.1	6.31		G	276.932 336 01	−26.634 755 16	A	12.95	−9.10	−36.94	1.78	1.20	1.66	1.76	1.14	+39	−35	−38	− 9	+ 4	−19	−17	−67	+37	+23	1	0.98
90479 H	18 27 43.94	+19 17 43.8	7.52		G	276.933 069 51	+19.295 493 11	A	6.78	23.90	21.59	1.64	1.55	2.02	1.67	2.06	− 24	− 5	− 5	−27	+30	+ 9	+31	−22	+11	+ 2	1	1.64
90480 H	18 27 44.90	+25 35 38.0	8.97		G	276.937 071 78	+25.593 875 87	A	5.47	−9.70	−1.71	1.01	1.22	1.68	1.19	1.45	− 2	−14	+ 6	+ 3	+13	−10	+16	+ 6	−12	+ 2	2	0.31
90481 H	18 27 45.28	−68 34 50.4	9.15		H	276.938 678 27	−68.580 655 22	*	2.24	10.85	0.51	2.92	3.25	1.86	1.24	1.43	−16	−13	+ 1	−21	− 2	+ 1	− 3	−35	− 5	−18	3	1.14
90482	18 27 45.65	+22 24 05.4	9.48		H	276.940 192 88	+22.401 486 46		3.14	4.79	−14.15	0.81	1.02	1.45	0.85	1.23	+11	−10	+ 8	+47	+22	+ 6	+19	+ 3	− 2	+ 1	1	−0.96
90483 H	18 27 45.89	+24 41 50.6	6.94	2	H	276.941 205 66	+24.697 377 86	A	4.14	6.03	13.28	0.72	0.86	1.16	0.77	0.95	− 2	−11	−20	+ 4	+10	− 5	+10	−14	+ 2	−10	4	2.98
90484	18 27 47.90	−16 25 38.2	7.83		H	276.949 569 68	−16.427 283 66		8.10	1.08	6.59	1.05	0.80	1.14	1.61	1.05	−35	− 7	−38	−14	+39	−34	+23	−38	+28	−66	0	1.83
90485	18 27 49.48	−29 49 00.8	5.90		H	276.956 184 77	−29.816 902 16		27.53	−0.84	15.16	0.86	0.59	0.91	1.23	0.72	−27	−32	−24	−19	+54	−24	+30	−59	+26	−63	0	−0.58
90486	18 27 49.86	+00 11 59.9	7.75		H	276.957 748 17	+00.199 975 15		6.01	−1.93	−3.19	0.85	0.69	0.99	0.94	0.78	+ 4	−21	−26	− 6	−19	+21	− 9	+ 6	−20	−32	0	−0.39
90487	18 27 50.32	+03 44 54.9	6.07		H	276.959 674 51	+03.748 589 69		2.38	−1.97	−8.09	0.67	0.60	0.79	0.67	0.67	− 2	−24	−20	−13	+ 6	+11	+12	+13	− 8	−15	0	1.46
90488	18 27 50.46	+46 03 57.9	7.79	2	H	276.960 249 26	+46.066 081 56		0.56	−0.97	−6.54	0.59	0.52	0.63	0.67	0.72	+ 5	− 4	−15	− 7	− 4	+ 1	− 4	+ 3	−12	+ 5	0	0.01
90489	18 27 51.10	+45 10 08.1	8.37		H	276.962 919 09	+45.168 921 93		1.91	−49.71	27.58	0.61	0.55	0.68	0.65	0.76	− 3	+ 6	− 9	−12	+ 2	+ 4	+ 2	+ 0	−11	− 2	0	0.24
90490 H	18 27 52.74	+01 23 50.9	10.67		H	276.969 742 47	+01.397 468 46	A	14.23	−63.94	−60.19	11.30	8.67	7.32	7.81	6.45	+ 1	− 9	−21	−24	+14	+ 6	+21	−17	+22	−17	0	−0.20
90491	18 27 54.71	−01 05 36.4	8.67		H	276.977 972 93	−01.093 449 67		8.51	−0.99	−17.04	0.99	0.78	1.17	1.05	0.82	− 9	−20	−28	− 4	− 5	+17	+ 1	− 8	− 7	−11	0	−0.85
90492	18 27 55.43	+13 20 30.7	9.60		H	276.980 937 60	+13.341 854 36		5.81	11.14	−2.86	1.08	0.90	1.48	1.20	1.08	+12	−42	−11	−12	+15	+ 4	− 1	−19	+32	+ 7	0	0.32
90493	18 27 56.08	−33 19 29.2	8.85	3	H	276.983 665 27	−33.324 774 43	*	7.10	−2.27	−7.83	2.18	1.64	2.40	3.23	1.83	+44	+15	− 5	−54	−15	−78	+ 4	+13	0	1.86
90494	18 27 56.48	−17 48 01.3	6.19		H	276.985 339 21	−17.800 349 75		5.75	−2.73	−2.91	0.78	0.50	0.83	0.81	0.58	+21	−49	−27	+26	+ 3	+14	+ 5	+17	+ 1	+ 3	0	−0.32
90495	18 27 57.89	+55 47 17.8	9.14		G	276.991 208 82	+55.788 275 96		2.03	−0.66	7.51	0.79	0.69	0.76	0.88	0.83	+ 6	−11	+ 4	+32	+17	−16	+19	+27	− 1	+24	0	−0.51
90496	18 27 58.27	−25 25 16.5	2.82		G	276.992 789 55	−25.421 247 32		42.20	−44.81	−186.29	0.83	0.51	0.90	1.02	0.65	− 9	−35	− 8	+ 0	+23	+ 4	+15	−43	+19	− 8	0	1.32
90497	18 27 58.77	+06 11 39.0	5.71		H	276.994 890 66	+06.194 160 39		4.41	−1.25	−23.26	0.59	0.43	0.71	0.61	0.52	+29	−30	− 7

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
90401	9.816	0.023	8.584	0.014		1.052	0.021	T	1.02	0.02	L	8.6275	0.0016	0.013	108		8.60	8.65					1							
90402	9.612	0.025	8.569	0.018		0.906	0.023	T	0.91	0.02	L	8.5595	0.0040	0.018	48		8.52	8.59					1							
90403	9.596	0.015	9.160	0.015		0.412	0.020	T	0.48	0.02	L	9.2120	0.0018	0.022	154		9.17	9.26		C			1							
90404	9.627	0.015	8.857	0.013		0.660	0.015	G	0.72	0.01	H	8.9350	0.0018	0.018	174		8.90	8.96					1							
90405	9.028	0.014	8.971	0.017		0.057	0.020	T	0.07	0.02	L	9.0143	0.0030	0.024	101		8.97	9.05		U			1							
90406	9.008	0.015	8.448	0.015		0.524	0.019	T	0.60	0.02	L	8.4828	0.0020	0.014	75		8.45	8.50		C			1							
90407	9.881	0.025	8.070	0.011		1.507	0.022	T	1.54	0.03	L	8.0147	0.0017	0.013	82		7.98	8.04					1							
90408	9.108	0.015	8.748	0.016		0.341	0.020	T	0.40	0.03	L	8.7803	0.0030	0.015	70		8.76	8.81		C			1							
90409	12.156	0.094	10.048	0.022		1.783	0.080	T	1.77	0.21	K	9.8779	0.0040	0.049	265		9.80	9.94		U 2			1							G
90410	8.530	0.009	7.123	0.005		1.189	0.008	T	1.15	0.01	L	7.1706	0.0010	0.009	141		7.15	7.18		C			1							S
90411	8.813	0.012	8.734	0.015		0.078	0.018	T	0.09	0.02	L	8.7584	0.0016	0.013	106		8.73	8.78		C			1							S
90412	10.698	0.044	9.745	0.031	A	0.810	0.002	G	0.85	0.00	H *	9.6634	0.0022	0.019	97 *		9.63	9.70		D	18269−4745	I 1	2 C A	AB	110	2.142	0.012	2.02	0.05	
90413	10.177	0.029	8.444	0.013		1.446	0.025	T	1.44	0.04	L	8.3930	0.0022	0.016	83		8.35	8.41		U			1							
90414	6.515	0.004	5.541	0.003		0.855	0.004	T	0.87	0.00	L	5.5970	0.0005	0.005	106		5.59	5.61		C			1							S
90415	10.994	0.048	9.948	0.031		0.867	0.002	G	0.91	0.00	H	10.0143	0.0026	0.024	112		9.97	10.06		C			1							G
90416	9.804	0.023	8.667	0.016		0.978	0.022	T	0.96	0.02	L	8.7081	0.0020	0.015	88		8.68	8.73		C			1							
90417	11.051	0.051	9.709	0.026		1.124	0.005	G	1.09	0.01	H	9.7585	0.0235	0.271	117		9.41	10.11	40.48	P 1 A			1							G
90418	8.319	0.012	8.075	0.014		0.233	0.017	T	0.26	0.02	L	8.1133	0.0017	0.012	64		8.09	8.14		C	18269−1712	I 1	1							S
90419	9.585	0.018	8.508	0.013		0.932	0.017	T	0.93	0.01	L	8.5699	0.0017	0.018	121		8.54	8.60					1							S
90420	10.509	0.032	9.028	0.016		1.247	0.028	T	1.21	0.03	L	9.0156	0.0054	0.052	114		8.93	9.10		U 2			1							P
90421	8.725	0.010	7.302	0.006		1.201	0.009	T	1.16	0.01	L	7.3288	0.0009	0.010	145		7.31	7.35		C			1							S
90422	3.279	0.003	3.461	0.002		−0.179	0.014	G	−0.18	0.02	A	3.4234	0.0009	0.008	64		3.41	3.44		M			1							S
90423	8.958	0.013	7.742	0.009		1.039	0.012	T	1.01	0.01	L	7.8021	0.0011	0.010	108		7.79	7.82		C			1							S
90424	8.622	0.007	8.543	0.009		0.078	0.011	T	0.09	0.01	L	8.5800	0.0013	0.016	192		8.55	8.61					1							
90425	10.017	0.025	8.950	0.017		0.924	0.023	T	0.92	0.02	L	9.0136	0.0022	0.019	110		8.98	9.05					1							
90426	8.616	0.010	8.577	0.013		0.041	0.015	T	0.06	0.01	L	8.5922	0.0018	0.017	118		8.57	8.62		C			1							S
90427	8.465	0.009	7.505	0.007		0.844	0.008	T	0.86	0.01	L	7.5458	0.0012	0.013	132		7.53	7.57					1							S
90428	8.103	0.006	8.027	0.008		0.090	0.015	G	0.10	0.02	H	8.0386	0.0011	0.013	155		8.02	8.06		C			1							S
90429	7.995	0.005	7.993	0.006		0.003	0.007	T	0.02	0.01	L	8.0130	0.0011	0.017	290		7.99	8.04					1							S
90430	10.365	0.038	9.891	0.039		0.459	0.042	T	0.53	0.04	L	9.9172	0.0032	0.022	78		9.87	9.95					1							G
90431	8.195	0.010	8.085	0.012		0.099	0.014	T	0.11	0.01	L	8.1138	0.0013	0.013	84		8.09	8.13		C	18271−2931	I 1	1							
90432	10.352	0.038	8.361	0.014	A	1.363	0.214	G	1.45	0.10	M *	8.2573	0.0022	0.013	67 *		8.24	8.29		C	18271−1719	H 1	2 C A	AB	105	1.723	0.047	2.83	0.16	
90433	9.108	0.016	8.567	0.015		0.514	0.016	T	0.59	0.02	L	8.6122	0.0020	0.015	80		8.59	8.64		C			1							S
90434	8.591	0.009	8.513	0.011		0.077	0.013	T	0.09	0.01	L	8.5396	0.0013	0.015	136		8.51	8.57		C			1							S
90435	10.476	0.039	9.731	0.033	A	0.698	0.096	G	0.75	0.08	R *	9.8327	0.0024	0.018	87 *		9.80	9.87		D	18271−3916	M 1	2 C A	AB	115	6.844	0.042	2.84	0.14	G
90436	11.684	0.127	9.391	0.028	*						T *	9.2353	0.0039	0.023	62 *		9.19	9.27			18271−0853	H 1	2 C S C	AB	352	0.150	0.040	1.37	0.93	
90437	7.873	0.010	6.638	0.007		1.054	0.010	T	1.02	0.01	L	6.6633	0.0013	0.009	61		6.65	6.70			18271−0802	I 1	1							S
90438	9.391	0.018	8.853	0.017		0.504	0.022	T	0.58	0.02	L	8.8971	0.0032	0.017	64		8.87	8.93		C			1							
90439	8.245	0.008	8.179	0.010		0.066	0.012	T	0.08	0.01	L	8.2031	0.0018	0.017	100		8.18	8.25					1							
90440	9.249	0.014	8.980	0.015		0.276	0.002	G	0.31	0.00	H	9.0368	0.0019	0.018	108		9.01	9.07		C			1							
90441	5.943	0.017	5.382	0.012	A	0.487	0.004	G	0.56	0.00	H *	5.3050	0.0012	0.006	49 *		5.29	5.32		D	18272+0012	I 1	2 C A	AB	319	3.770	0.013	2.17	0.02	S D
90442	8.697	0.011	8.038	0.010		0.600	0.015	G	0.67	0.01	H	8.0910	0.0015	0.014	92		8.07	8.12		C			1							S
90443	8.193	0.009	8.175	0.011		0.021	0.013	T	0.04	0.01	L	8.1965	0.0016	0.017	158		8.17	8.23		U			1 S							
90444	9.926	0.028	9.623	0.033		0.288	0.041	T	0.33	0.05	L	9.6106	0.0021	0.019	102		9.58	9.65		C			1							
90445	8.623	0.009	8.622	0.012		0.006	0.014	T	0.03	0.01	L	8.6154	0.0016	0.017	154		8.59	8.66			18273+2856	I 1	1 S							
90446	8.283	0.016	7.676	0.011		0.564	0.014	T	0.64	0.01	L	7.7442	0.0014	0.009	68		7.73	7.76		C			1							S
90447	10.341	0.028	9.826	0.027		0.548	0.015	G	0.62	0.01	H	9.8975	0.0028	0.028	141		9.84	9.95		C			1							G
90448	8.445	0.012	7.314	0.008		0.973	0.011	T	0.96	0.01	L	7.3676	0.0009	0.008	74		7.36	7.38					1							S
90449	8.310	0.008	8.135	0.009		0.168	0.011	T	0.18	0.01	L	8.1708	0.0013	0.014	120		8.15	8.19		C			1							
90450	9.754	0.027	9.137	0.025		0.571	0.027	T	0.64	0.03	L	9.1701	0.0031	0.016	79		9.13	9.20					1 S							
90451						1.236	0.005	G	1.40	0.01	I	10.9463	0.0062	0.036	48		10.89	11.01		C			1 S							G
90452	7.067	0.006	7.126	0.009		−0.033	0.000	G	−0.01	0.00	H	7.1134	0.0012	0.009	91		7.10	7.14		C			1							S
90453	9.153	0.012	8.767	0.012		0.365	0.016	T	0.43	0.02	L	8.8182	0.0022	0.026	184		8.77	8.86					1							
90454	7.790	0.008	7.505	0.007		0.271	0.010	T	0.31	0.01	L	7.5498	0.0009	0.010	119		7.53	7.56		C			1							S
90455	10.708	0.056	10.018	0.053		0.625	0.058	T	0.69	0.05	L	10.1007	0.0030	0.022	74		10.06	10.13		C			1 S							G
90456	9.705	0.022	8.290	0.012		1.195	0.020	T	1.15	0.02	L	8.3475	0.0012	0.013	97		8.33	8.37					1							
90457	10.473	0.037	9.153	0.020		1.121	0.033	T	1.08	0.03	L	9.2194	0.0019	0.016	98		9.19	9.25		C			1							
90458	9.787	0.020	9.525	0.024		0.249	0.029	T	0.28	0.04	L	9.6046	0.0022	0.025	109		9.56	9.65		C			1							
90459	7.485	0.009	7.015	0.010		0.475	0.015	G	0.55	0.02	H	7.0601	0.0011	0.007	49		7.05	7.07		C	18275−1523	I 1	1							S
90460	10.209	0.023	9.070	0.015		0.979	0.021	T	0.96	0.02	L	9.1454	0.0016	0.019	104		9.12	9.18					1							
90461	8.908	0.013	8.354	0.012		0.519	0.016	T	0.59	0.02	L	8.4078	0.0017	0.012	107		8.38	8.43					1							S
90462	9.277	0.016	8.968	0.018		0.294	0.023	T	0.34	0.03	L	9.0115	0.0017	0.017	99		8.97	9.04					1							
90463	11.070	0.056	9.431	0.024		1.397	0.050	T	3.25	0.08	O	8.9766	0.0116	0.102	109		8.80	9.13		U 2 C			1 S							
90464	9.075	0.012	8.762	0.013		0.297	0.017	T	0.34	0.02	L	8.7879	0.0021	0.019	112		8.76	8.82					1							
90465	10.437	0.054	9.260	0.033	A	1.009	0.049	T	0.98	0.04	L	9.2849	0.0256	0.037	65	A	9.21	9.34			18276−3224	I 1	2 C D	AB	247	18.437	0.094	2.73	0.30	D
90466	11.405	0.091	10.016	0.041		1.171	0.003	G	1.28	0.01	I	9.9427	0.0027	0.024	82		9.91	9.98		C			1							G
90467	9.170	0.019	8.511	0.017		0.590	0.020	G	0.66	0.02	H	8.5571	0.0032	0.016	45		8.53	8.58					1 S							
90468	11.003	0.103	9.252	0.038		1.460	0.087	T	1.47	0.14	L	9.1748	0.0029	0.015	65		9.15	9.21		C			1 S							
90469	10.210	0.022	8.665	0.011		1.297	0.019	T	1.26	0.02	L	8.6894	0.0016	0.016	158		8.67	8.74					1							
90470	9.462	0.021	8.093	0.012	A	1.100	0.495	G	1.05	0.03	L *	8.0866	0.0018	0.013	74 *		8.06	8.11		D	18276−5402	I 1	2 C B	AB	11	1.413	0.043	2.74	0.08	
90471											T	12.6111	0.0113	0.110	154		12.42	12.86		U			1							G
90472	8.754	0.011	8.487	0.012		0.279	0.031	G	0.32	0.04	H	8.5201	0.0015	0.015	155		8.49	8.54					1							
90473	8.331	0.010	7.333	0.007		0.873	0.009	T	0.88	0.01	L	7.3871	0.0011	0.009	111		7.37	7.40					1							S
90474						1.500	0.510	G	4.63	0.96	K	11.4986	0.2793	1.366	81		9.69	12.99	335.80	P 1 A			1 V							G
90475	11.143	0.086	10.567	0.081		1.330	0.015	G	0.34	0.17	S	10.6920	0.0074	0.042	73		10.63	10.76		R			1							G
90476	7.667	0.007	6.528	0.005		0.979	0.007	T	0.96	0.01	L	6.5924	0.0009	0.007	110		6.58	6.61		C			1							S
90477	9.361	0.016	8.860	0.016		0.510	0.015	G	0.58	0.02	H	8.9111	0.0019	0.017	92		8.88	8.94		C			1							
90478	6.662	0.011	6.377	0.012	*	0.263	0.008	G	0.30	0.01	H *	6.3768	0.0006	0.008	101 *		6.37	6.39		D	18277−2638	I 1	2 C A	AB	244	1.010	0.004	0.14	0.01	S
90479	8.081	0.013	7.486	0.012	*	0.548	0.015	G	0.62	0.01	H *	7.6355	0.0019	0.016	103 *		7.62	7.67		D	18278+1918	I 1	2 C A	AB	190	5.373	0.003	0.19	0.01	S
90480	9.229	0.012	8.986	0.014	A	0.190	0.015	G	0.21	0.02	H *	9.0104	0.0025	0.025	172 *		8.97	9.06			18277+2536	H 1	2 C D	AB	110	4.451	0.079	4.32	0.34	D
90481	10.341	0.021	9.274	0.014	*	0.924	0.019	T	0.92	0.01	L *	9.3168	0.0027	0.029	205 *		9.27	9.37		D	18278−6835	H 1	2 C A	AB	270	0.277	0.012	1.24	0.20	
90482	10.976	0.040	9.622	0.021		1.147	0.035	T	1.11	0.03	L	9.6494	0.0024	0.032	161		9.60	9.71					1							
90483	7.014	0.008	7.001	0.009	A	0.000	0.495	G	0.02	0.01	L *	6.9474	0.0038	0.053	188 *		6.92	7.13	2.08	P 1 A	18278+2442	I 1	2 C A	AB	1	1.197	0.007	1.86	0.03	S P
90484	8.041	0.012	7.865	0.014		0.161	0.018	T	0.18	0.02	L	7.8886	0.0017	0.013	56		7.86	7.91		C			1							
90485	6.520	0.005	5.961	0.004		0.517	0.004	G	0.59	0.00	H	6.0109	0.0006	0.005	85		6.00	6.02					1							S
90486	7.885	0.013	7.754	0.012		0.126	0.017	T	0.14	0.02	L	7.7995	0.0019	0.009	55		7.78	7.81					1							S
90487	8.179	0.011	6.239	0.007		1.610	0.010	T	1.63	0.01	L	6.1876	0.0010	0.007	60		6.17	6.19		C			1							S
90488	9.884	0.021	8.016	0.009		1.553	0.018	T	1.57	0.02	L	7.9088	0.0023	0.022	117		7.87	7.94		U 2			1 S							
90489	8.566	0.009	8.381	0.011		0.177	0.013	T	0.19	0.01	L	8.4341	0.0014	0.016	123		8.41	8.46					1							S
90490	12.074	0.234	10.876	0.124	*						T *	10.7916	0.0058	0.043	47 *		10.71	10.91		D	18279+0124	H 1	2 C B	AB	300	0.398	0.030	1.05	0.23	G
90491	8.912	0.017	8.677	0.019		0.224	0.024	T	0.25	0.03	L	8.7378	0.0023	0.017	58		8.72	8.77		C			1							
90492	10.153	0.028	9.637	0.028		0.485	0.036	T	0.56	0.04	L	9.7092	0.0026	0.024	96		9.67	9.76		C			1							G
90493						1.500	0.510	G	2.15	0.60	K	8.9190	0.0363	1.280	67		7.40	10.82	322.60	P 1 B			1 V							G P
90494	6.188	0.004	6.190	0.005		0.003	0.006	T	0.02	0.01	L	6.1981	0.0009	0.006	65		6.19	6.22					1							S
90495	9.552	0.019	9.169	0.020		0.340	0.015	G	0.40	0.02	H	9.2183	0.0017	0.016	110		9.18	9.25					1							
90496	4.186	0.004	2.945	0.004		1.025	0.038	G	1.04	0.02	A	2.9838	0.0005	0.005	77		2.98	2.99					1							S
90497	5.661	0.003	5.703	0.002		−0.034	0.003	T	−0.01	0.00	L	5.7063	0.0007	0.008	143		5.69	5.72					1 S							S
90498	7.882	0.009	7.910	0.012		−0.021	0.014	T	0.00	0.01	L	7.8993	0.0015	0.012	105		7.88	7.93					1							S
90499	9.041	0.016	7.885	0.011		0.993	0.015	T	0.97	0.01	L	7.9423	0.0016	0.012	98		7.92	7.96		C			1							
90500	9.611	0.019	7.858	0.009		1.461	0.017	T	1.47	0.03	L	7.8315	0.0010	0.010	137		7.81	7.85		C			1 S							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)											Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ		F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr		$\alpha*$	$\alpha*$	δ	$\alpha*$	δ	π	$\alpha*$	δ	π	$\mu_{\alpha*}$		%	
1 2	3	4	5 6 7		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
90501	18 28 03.24	−63 18 47.1	8.22	H	277.013 501 57	−63.313 090 68		1.38	17.02	−14.82	0.59	0.60	1.00	0.80	0.71	− 4	−13	−15	+ 8	+22	− 6	+22	+ 2	− 1	+37		0	−0.99
90502	18 28 04.31	+73 46 10.7	8.44	H	277.017 970 70	+73.769 625 68		3.36	3.30	12.30	0.59	0.62	0.62	0.61	0.75	+ 2	−20	− 2	+14	+10	−19	+ 9	+35	− 8	+15		0	0.21
90503	18 28 04.34	+57 55 20.0	8.21	H	277.018 072 04	+57.922 222 91		2.32	2.25	3.29	0.67	0.65	0.66	0.74	0.73	+10	+ 0	+ 0	+25	+15	+ 1	+15	+37	− 4	+14		0	2.14
90504	18 28 04.56	−28 23 08.6	8.23	H	277.019 003 20	−28.385 712 41		14.25	−47.13	−86.98	0.99	0.62	1.09	1.16	0.71	+10	−32	+ 6	+ 7	+ 5	+ 0	− 2	−36	+ 4	+ 0		0	1.26
90505	18 28 04.66	−24 33 44.8	8.38	H	277.019 412 85	−24.562 443 79		3.23	4.21	−4.83	1.16	0.77	1.40	1.50	1.02	−13	−11	−39	+ 7	+30	−15	+21	−24	+47	−15		0	0.69
90506	18 28 05.67	−52 44 56.0	8.73	H	277.023 628 43	−52.748 900 57		1.42	−0.02	−25.01	1.25	0.81	1.34	1.35	0.91	+23	−44	−19	+12	−36	+ 2	−38	−23	+22	+24		0	0.13
90507	18 28 05.84	−38 21 23.8	7.80	H	277.024 335 76	−38.356 619 94		2.07	12.27	−8.59	0.80	0.53	0.95	1.09	0.68	+ 6	−15	−13	+ 5	− 2	+17	+ 2	−36	+23	+22		0	2.18
∗90508	18 28 06.24	−20 48 40.0	9.84	H	277.025 989 18	−20.811 117 35		−1.64	−5.29	−5.86	2.11	1.36	2.14	2.65	1.90	− 8	−42	− 9	+25	− 7	− 4	− 3	− 6	− 6	− 8		0	0.85
∗90509	18 28 06.35	−84 23 14.0	6.49	H	277.026 443 03	−84.387 233 53		5.47	13.15	−9.13	0.47	0.47	0.55	0.56	0.59	−15	−13	+17	+32	− 6	− 8	− 6	+25	+13	−14		0	−1.95
∗90510 H	18 28 06.17	−26 45 25.8	6.28	G	277.025 716 06	−26.757 158 14	A	12.10	−8.64	−35.91	1.12	0.88	1.01	1.17	0.71	+ 7	−19	−13	+ 2	+ 5	−18	+ 8	−54	+21	+25		0	0.30
∗90511	18 28 06.28	−37 22 35.1	8.67	H	277.026 173 30	−37.376 423 40		1.53	−5.19	−12.12	0.96	0.61	1.09	1.27	0.80	−26	−17	+ 9	−15	+ 6	+14	+14	−48	+ 6	+ 3		0	−1.59
90512	18 28 06.73	−06 09 04.8	8.57	H	277.028 045 70	−06.151 320 43		7.30	−24.47	−1.16	1.30	0.92	1.48	1.34	1.04	+17	−27	−24	− 4	−17	+ 6	−14	− 9	−22	−27		0	−0.38
90513	18 28 07.09	−22 59 58.9	6.96	G	277.029 556 67	−22.999 681 72		5.94	6.08	19.05	0.92	0.62	0.99	0.99	0.66	−10	−43	−22	+22	− 1	−23	−14	− 8	+16	−35		3	0.68
90514	18 28 07.41	−69 18 51.6	8.19	H	277.030 880 26	−69.314 336 26		3.92	−0.82	−15.60	0.49	0.67	1.01	0.55	0.81	+ 2	− 9	+ 1	+18	−27	− 2	−31	− 9	+20	− 6		0	−1.46
90515	18 28 08.48	−20 48 06.8	8.90	H	277.035 313 34	−20.801 876 64		1.92	−4.72	−9.10	1.57	1.03	1.53	1.98	1.37	+ 1	−35	− 3	+39	+ 4	− 6	+ 4	+ 8	+ 5	+ 7		0	0.07
90516	18 28 10.14	−21 14 19.3	8.34	H	277.042 251 22	−21.238 699 52		2.60	3.56	−1.53	1.94	1.47	2.64	3.68	1.96	+18	−40	−56	+44	+28	−56	−19	−29	+39	−26		0	−1.05
90517	18 28 10.66	+43 55 34.1	7.84	H	277.044 431 72	+43.926 143 83		1.58	1.82	−0.20	0.58	0.49	0.63	0.67	0.67	− 1	− 1	− 1	+10	+ 2	− 2	+ 2	+ 4	−13	+ 0		0	1.25
90518	18 28 10.81	−21 13 58.2	10.76	H																								
90519	18 28 11.71	−52 29 59.7	7.33	G	277.048 797 97	−52.499 925 83		4.84	−1.29	−25.26	0.73	0.54	0.89	0.85	0.61	+ 9	−33	−15	+11	−24	+ 8	−26	−12	+20	+ 5		0	−0.93
90520	18 28 15.24	+44 07 51.5	8.41	H	277.063 494 21	+44.130 978 98		1.78	0.13	2.35	0.61	0.53	0.67	0.70	0.74	+ 1	+ 5	− 1	+ 5	+ 1	− 3	+ 0	+ 6	− 9	+ 4		0	0.29
90521	18 28 16.40	−49 31 08.8	8.55	H	277.068 315 55	−49.519 103 61		−0.04	−7.58	−21.33	1.17	0.84	1.42	1.56	1.06	+29	−24	+11	+ 9	−38	− 5	−30	−11	+ 9	+61		2	−0.33
90522	18 28 16.53	−40 30 11.9	9.22	H	277.068 870 62	−40.503 310 09		7.05	24.61	−86.64	1.37	0.95	1.59	1.84	1.11	+ 7	− 1	− 5	− 2	−18	−18	−24	−41	+ 3	−11		0	−0.83
90523	18 28 17.11	−23 34 07.3	8.68	H	277.071 307 23	−23.568 688 75		9.40	−28.74	−59.82	1.36	1.03	1.45	1.68	1.08	−37	−13	−37	− 4	+37	−39	+19	−39	+35	−52		0	−1.78
∗90524	18 28 18.84	+44 15 24.2	7.45	H	277.078 499 17	+44.256 733 00		5.90	7.60	9.41	0.53	0.48	0.59	0.59	0.64	+ 4	+13	− 7	− 2	− 4	− 2	− 6	+ 8	− 5	+ 5		0	0.36
∗90525	18 28 18.83	+39 59 48.5	8.64	H	277.078 449 61	+39.996 808 87		3.20	7.40	−3.74	0.63	0.64	0.80	0.62	0.79	+ 8	− 9	− 1	+10	+ 4	−10	+ 5	−21	+ 8	+ 7		1	0.79
90526	18 28 19.10	−35 20 22.7	9.01	H	277.079 565 77	−35.339 625 07		4.41	−5.95	−14.67	1.15	0.73	1.22	1.42	0.93	−25	−29	− 2	− 9	+25	+ 3	+23	−41	+11	−21		0	1.75
90527	18 28 19.30	+55 40 26.5	7.77	H	277.080 408 75	+55.674 031 17		12.03	0.86	11.94	0.58	0.55	0.59	0.67	0.64	+ 8	−12	+ 0	+23	+19	−17	+20	+26	− 4	+26		1	−0.92
90528	18 28 20.11	+03 57 56.9	7.92	H	277.083 809 25	+03.965 814 20		2.15	4.28	0.70	0.88	0.78	1.03	0.81	0.79	−17	−20	−29	−34	+17	+10	+23	− 5	−15	−20		0	0.96
90529	18 28 20.13	−09 35 05.2	10.43	G	277.083 892 77	−09.584 785 23		−0.60	−0.37	1.99	1.81	1.34	1.97	1.96	1.56	+18	−33	− 6	+ 8	+29	+22	+28	+18	+ 5	+43		3	1.05
90530	18 28 20.60	−74 34 12.0	9.42	H	277.085 853 43	−74.570 005 33		6.78	18.78	−139.24	1.35	1.64	2.11	1.51	1.79	+ 2	− 6	−17	− 2	− 1	−11	− 4	−16	+ 2	− 9		0	
90531	18 28 21.51	+30 01 36.4	8.31	G	277.089 633 49	+30.026 790 07		2.20	−0.29	2.39	0.60	0.57	0.84	0.70	0.72	+ 1	−10	+ 3	+24	+ 2	−16	+ 6	− 4	− 5	+12		0	1.88
90532	18 28 22.03	+06 50 07.0	7.63	G	277.091 774 11	+06.835 264 11		15.24	20.47	55.47	0.70	0.51	0.93	0.83	0.69	+18	−18	+ 3	−22	+ 8	+19	+ 6	−41	+ 6	+ 9		0	0.42
90533	18 28 22.46	+33 05 47.5	9.43	H	277.093 563 09	+33.096 524 69		2.11	−6.12	−7.03	0.77	0.66	1.01	0.86	0.95	+11	−31	−11	+19	+ 4	−14	− 3	−28	+20	+ 4		1	0.21
90534	18 28 22.99	+06 24 50.0	8.62	H	277.095 785 50	+06.413 892 33		1.75	−0.16	−0.08	0.91	0.65	1.13	0.98	0.87	+27	−23	− 1	−31	+11	+ 7	+15	−33	+ 0	+ 7		2	1.93
90535	18 28 23.00	+69 09 17.5	8.47	H	277.095 825 06	+69.154 858 06		9.59	−18.46	22.34	0.65	0.67	0.70	0.68	0.68	+ 0	−10	+16	−40	−17	− 3	−14	−33	−19	+ 4		1	−0.03
90536	18 28 24.06	+03 46 47.4	7.88	H	277.100 231 73	+03.779 839 78		4.55	7.14	−3.65	0.88	0.76	1.00	0.92	0.86	−18	−17	−23	−26	+16	+14	+22	− 5	− 9	−21		0	1.84
90537	18 28 24.15	+28 58 56.6	9.49	H	277.100 630 28	+28.982 383 75		2.56	−3.59	2.82	0.78	0.79	1.22	1.01	0.95	+ 5	− 8	− 2	+19	+20	−14	+17	− 1	+10	+ 1		5	−0.16
90538	18 28 24.54	−40 15 32.6	8.63	H	277.102 265 07	−40.259 049 96		1.18	−7.01	3.53	1.19	0.81	1.34	1.77	1.04	−11	−19	−10	+13	−16	−19	−19	−33	+14	−21		0	1.48
90539	18 28 24.93	−03 52 31.0	8.33	H	277.103 866 29	−03.875 272 17		26.20	−198.14	−311.92	0.98	0.75	1.08	0.89	0.74	+19	−35	−29	+ 0	+20	− 1	+20	− 5	+ 1	+22		0	1.63
90540 H	18 28 25.85	+44 44 22.2	8.81	G	277.107 705 16	+44.739 502 35	∗	5.06	−13.32	11.33	0.71	0.61	0.77	0.72	0.82	+ 0	+ 1	−10	−13	+ 1	+11	+ 1	+18	−16	+ 1		0	0.40
90541	18 28 27.11	−38 59 44.1	5.63	H	277.112 974 77	−38.995 569 50		6.54	−0.21	−41.67	0.66	0.44	0.77	0.85	0.54	− 7	−25	−15	− 1	+ 2	+ 9	+ 2	−38	+17	+ 0		0	2.67
90542	18 28 28.20	+60 26 14.4	8.35	H	277.117 501 31	+60.437 334 00		12.92	4.00	239.11	0.69	0.66	0.69	0.80	0.66	+ 6	−12	+ 5	+31	+20	− 9	+21	+18	− 5	+28		0	0.08
90543	18 28 31.06	−36 13 47.3	11.05	H	277.129 403 46	−36.229 798 59		1.24	−26.71	−17.71	2.70	1.76	3.36	3.46	2.43	−10	−32	+ 2	−11	+18	+ 5	+ 6	−41	+28	−10		4	0.40
90544	18 28 31.76	+52 26 49.8	8.72	H	277.132 317 99	+52.447 167 07		3.03	−1.05	6.81	0.72	0.70	0.77	0.82	0.78	+ 7	+ 2	− 7	−20	+12	−23	+ 8	+ 5	− 1	+19		3	1.49
90545	18 28 32.44	−40 59 32.7	9.05	G	277.135 185 96	−40.992 403 02		2.48	−0.26	−25.95	1.03	0.70	1.23	1.29	0.82	+ 3	−30	−21	+ 9	− 5	−11	−16	−30	+18	−19		0	1.49
90546	18 28 33.11	−46 44 55.9	7.98	H	277.137 955 41	−46.748 847 81		7.10	−26.51	−5.71	0.85	0.62	1.00	1.13	0.75	−10	−12	− 5	+ 2	+12	−13	+ 5	−28	+16	−26		0	0.65
90547	18 28 33.53	+04 50 55.3	7.69	H	277.139 691 48	+04.848 701 14		3.64	−9.34	−9.46	0.73	0.61	0.89	0.76	0.74	+25	−21	−21	−10	+21	+ 9	+25	+ 2	+17	+ 9		0	0.06
90548	18 28 34.49	+00 47 49.7	8.04	H	277.143 715 82	+00.797 138 74		17.32	−95.19	−30.87	1.04	0.84	1.13	1.01	0.84	+16	−29	−31	−10	+20	+ 2	+20	+ 2	+ 1	+14		0	−0.68
90549	18 28 34.88	−77 21 57.9	6.84	H	277.145 348 84	−77.366 074 27		5.31	16.33	−65.23	0.67	0.81	0.98	0.73	0.98	− 4	−13	− 1	− 8	− 5	+ 0	− 4	−10	−12	−15		0	
90550	18 28 35.05	+38 46 07.1	8.24	H	277.146 035 29	+38.768 626 26		3.56	1.54	−36.18	0.61	0.64	0.87	0.69	0.86	+ 6	−17	−24	+21	+14	−29	+ 4	−42	+32	− 6		2	−0.11
90551	18 28 35.60	+46 25 23.8	7.21	H	277.148 349 25	+46.423 266 35		5.20	3.62	1.98	0.56	0.52	0.60	0.64	0.69	+ 6	− 6	−17	− 2	+ 1	− 6	+ 0	+15	− 7	+ 4		0	0.53
90552	18 28 36.68	−12 59 50.8	8.34	2 G	277.152 824 78	−12.997 439 45		1.75	1.76	−2.06	1.10	0.87	1.23	1.18	0.98	+16	−34	−13	− 4	+ 0	−12	+ 7	−14	−20	+29		0	−0.88
90553	18 28 38.03	−71 46 58.7	7.69	H	277.158 441 38	−71.782 962 62		3.06	−9.10	−2.55	0.43	0.58	0.80	0.47	0.61	− 2	−15	+ 1	+11	− 8	− 4	− 8	+ 0	+ 1	− 3		1	−0.39
90554 H	18 28 39.78	+16 13 43.2	9.76	H	277.165 769 20	+16.228 655 57	A	6.59	−27.70	−21.50	2.87	2.70	3.92	3.64	3.44	−35	− 4	− 5	− 9	+22	−35	+15	−25	+45	−57		1	0.68
90555	18 28 40.89	−53 51 00.9	7.55	H	277.170 392 11	−53.850 261 32		0.79	0.25	−2.82	0.88	0.69	1.10	0.98	0.74	+ 8	− 8	− 5	+11	−38	− 6	−35	−19	− 3	+15		0	1.90
90556	18 28 42.31	+37 15 08.7	8.52	H	277.176 303 58	+37.252 405 03		4.26	7.57	−1.94	0.60	0.56	0.76	0.62	0.86	+12	−11	−11	+ 7	+ 5	−11	+ 7	−22	+ 4	+12		2	0.69
90557	18 28 42.83	+51 56 42.6	7.73	H	277.178 447 64	+51.945 163 56		9.17	27.08	−31.85	0.58	0.54	0.61	0.63	0.60	+ 4	−16	− 7	− 6	+ 5	− 7	+ 2	+ 8	+ 0	+15		0	0.88
90558	18 28 44.08	−41 40 29.2	8.03	H	277.183 679 17	−41.674 790 99		0.97	3.22	−14.94	1.00	0.68	1.12	1.23	0.77	− 8	−27	− 2	− 4	+13	− 8	+ 8	−35	+ 4	−18		0	−0.55
90559	18 28 44.37	+16 46 26.4	8.44	G	277.184 858 50	+16.774 011 10		13.46	173.92	−32.36	0.80	0.69	1.22	1.07	0.90	−10	−27	−14	+18	+20	−34	+14	−21	+18	− 6		0	−1.53
90560	18 28 45.18	−14 11 21.6	9.16	H	277.188 237 36	−14.189 326 38		4.92	9.35	−6.07	1.16	0.91	1.31	1.44	1.00	+10	−22	−31	− 1	− 4	+ 9	− 6	+18	− 6	−27		0	−1.30
90561	18 28 45.64	+43 37 08.0	9.16	H	277.190 183 17	+43.618 884 13		4.40	5.04	10.05	0.68	0.64	0.79	0.81	0.91	− 2	− 1	− 3	+ 4	− 1	− 4	− 1	− 2	−13	+ 2		0	0.04
90562	18 28 46.45	−38 01 42.1	7.65	H	277.193 557 26	−38.028 361 92		1.80	28.04	−3.80	0.85	0.58	1.01	1.17	0.74	− 4	− 8	− 2	− 7	−15	+21	− 3	−50	+14	+26		0	0.84
90563	18 28 46.74	−44 05 18.8	9.29	H	277.194 765 71	−44.088 548 14		12.53	19.36	−70.01	1.17	0.79	1.30	1.51	0.94	− 6	−25	+ 2	+ 2	− 4	− 3	− 9	−29	+ 4	−21		0	−0.37
90564	18 28 47.08	−36 59 45.2	8.30	H	277.196 152 11	−36.995 891 45		3.87	−15.09	20.15	1.11	0.75	1.23	1.60	1.07	−44	+ 7	−15	−26	+30	−20	+32	−60	+32	−39		3	−0.20
90565	18 28 47.68	−10 13 35.1	8.58	G	277.198 667 81	−10.226 420 60		15.53	61.47	−47.25	0.92	0.74	1.03	0.93	0.76	+ 5	−25	− 5	− 4	−15	+ 6	−10	−13	−21	−14		0	2.78
90566	18 28 49.38	−54 41 31.4	8.98	H	277.205 757 84	−54.692 047 03		4.28	18.50	23.55	1.17	0.91	1.48	1.42	0.99	−12	− 8	−12	+15	−31	+ 2	−26	− 8	+16	+ 3		0	1.21
90567	18 28 49.42	−60 36 34.9	8.40	H	277.205 927 43	−60.609 700 73		1.53	10.39	−4.57	0.94	0.78	1.10	1.11	0.77	−13	−20	−27	+36	−28	−10	−28	+19	− 1	−21		0	−0.03
90568	18 28 49.74	−49 04 12.1	4.10	H	277.207 233 19	−49.070 030 97		25.60	137.90	−229.14	0.59	0.42	0.78	0.76	0.51	+ 4	− 9	+24	+23	−28	− 6	−20	+ 4	+12	+39		0	0.35
90569	18 28 51.16	+35 47 49.5	8.22	H	277.213 183 30	+35.797 092 19		1.92	−4.57	2.93	0.60	0.54	0.76	0.69	0.70	+ 6	−13	+ 9	+ 9	− 1	−17	− 1	−11	− 1	+ 2		1	−0.02
90570	18 28 52.69	−57 08 30.1	8.72	H	277.219 547 74	−57.141 705 96		3.54	17.82	−42.98	0.88	0.75	1.06	1.04	0.87	− 4	−20	+ 1	+15	−34	+ 3	−27	−20	−14	+ 2		0	0.80
90571	18 28 52.71	+14 59 22.4	7.56	H	277.219 613 59	+14.989 548 09		3.12	0.16	8.87	0.71	0.56	0.89	0.91	0.68	+ 2	−23	−16	−20	+11	−11	+ 4	−31	+19	+ 8		0	−1.68
90572	18 28 53.51	−12 57 36.6	8.20	H	277.222 977 45	−12.960 158 23		0.42	1.63	−1.63	1.12	0.88	1.24	1.20	0.97	+17	−32	− 5	+ 2	− 3	−23	+ 3	−14	−17	+29		0	−0.38
90573	18 28 54.31	−32 50 52.9	9.07	H	277.226 300 25	−32.848 023 70		7.22	4.51	−52.03	1.32	0.91	1.49	1.57	0.95	+28	−33	−25	+ 2	− 6	−25	−27	−47	+12	−19		5	−0.79
90574 H	18 28 56.73	−25 02 34.2	7.42	G	277.236 381 02	−25.042 839 82	A	17.62	39.03	−29.44	2.29	1.50	2.11	2.33	1.51	+24	−31	−11	−20	−24	−19	−26	−64	+ 6	+23		2	1.01
90575	18 28 57.25	−26 35 37.3	8.10	G	277.238 534 78	−26.593 700 50		7.32	−5.35	−6.11	1.21	0.78	1.32	1.56	0.96	+26	−33	−25	+25	+ 9	− 8	− 4	−37	+26	+14		2	0.66
90576	18 28 57.36	−26 34 55.4	6.68	H	277.238 991 45	−26.582 058 51		8.22	−4.49	−7.65	0.89	0.56	1.03	1.13	0.71	+21	−33	−28	+12	+15	+ 3	+ 3	−50	+32	+15		0	0.08
90577	18 28 57.82	−18 32 30.8	11.34	G	277.240 910 95	−18.541 891 48		0.49	3.36	−13.38	2.95	2.09	3.09	3.43	2.59	+23	−38	−17	+ 5	+21	+ 2	−20	−27	+ 7	+24		0	1.19
90578	18 28 58.02	−04 15 51.4	10.68	G	277.241 743 66	−04.264 277 17		17.11	92.36	−37.03	1.78	1.43	2.06	1.67	1.36	+26	−34	−37	−10	− 7	+ 4	− 6	−10	− 3	+ 3		0	−1.91
90579	18 28 59.51	−43 07 29.2	8.91	H	277.247 946 76	−43.124 787 12		−1.11	12.20	0.04	1.11	0.86	1.38	1.44	1.00	+13	−28	−41	−18	− 7	− 4	−18	−46	+26	−17		2	1.08
90580	18 28 59.52	+53 59 52.9	9.39	H	277.247 979 78	+53.998 028 22		1.43	7.80	2.04	0.78	0.69	0.77	0.79	0.79	+ 5	− 5	− 7	+18	+17	−11	+18	+16	− 3	+11		0	−1.90
90581	18 29 00.70	+34 12 17.5	10.46	H	277.252 913 92	+34.204 852 18		1.51	−4.47	0.46	1.06	1.07	1.47	1.11	1.38	+ 3	−13	+11	+ 5	+ 5	−12	+11	−20	−12	+14		0	1.53
90582	18 29 01.78	−65 11 19.3	7.70	H	277.257 427 91	−65.188 681 42		12.01	8.83	−36.35	0.54	0.57	0.89	0.67	0.62	+13	−20	−22	−11	+ 5	− 5	+ 4	−17	− 2	+24		0	−0.29
90583	18 29 01.94	−78 36 31.1	7.94	H	277.258 071 23	−78.608 647 43		4.37	−2.56	−49.85	0.61	0.60	0.84	0.68	0.68	−12	−31	− 8	+ 7	− 9	+ 9	− 1	− 5	−27	−31		0	−0.12
90584	18 29 01.97	+11 39 01.6	7.50	H	277.258 219 16	+11.650 455 65		6.95	−14.57	−6.60	0.73	0.59	1.01	1.04	0.80	+ 8	−18	−24	−15	− 1	+ 0	− 8	−33	+35	+ 0		3	0.59
90585	18 29 03.72	−47 10 55.7	7.69	H	277.265 488 81	−47.182 148 92		0.89	1.16	−7.93	0.81	0.60	0.97	1.12	0.81	+ 0	−20	−14	+11	+ 1	− 9	− 8	−20	+25	−19		0	1.27
90586	18 29 03.87	+43 56 20.1	7.49	H	277.266 133 00	+43.938 909 85		27.11	73.68	155.35	0.54	0.48	0.59	0.65	0.68	− 3	− 1	− 5	+ 9	+ 1	+ 1	+ 1	+12	−12	+ 0		0	0.16
90587	18 29 03.89	+09 40 58.9	8.33	H	277.266 188 88	+09.683 018 20		0.45	−3.22	−1.37	0.84	0.61	1.05	0.96	0.79	− 2	−44	−10	−27	+ 6	+23	− 1	−31	+18	− 3		3	0.38
90588 H	18 29 05.05	−29 54 52.2	8.41	G	277.271 028 54	−29.914 513 59	A	12.69	−18.26	−28.89	2.26	1.67	2.32	3.16	1.83	+12	−26	−38	+ 4	+47	−44	+11	−45	+36	−44		1	0.66
90589	18 29 06.12	−04 26 53.1	10.13	H	277.275 506 16	−04.448 094 17		10.66	9.45	−26.12	2.03	1.50	2.15	1.99	1.67	+23	−22	−10	−12	− 5	− 3	− 2	− 8	−13	+ 7		6	−1.72
90590	18 29 07.44	−37 00 35.9	8.05	H	277.280 998 52	−37.009 982 99		18.18	6.73	20.83	0.99	0.65	1.13	1.39	0.95	−42	+ 2	−17	−24	+28	−10	+30	−56	+34	+ 2		3	0.21
90591	18 29 09.69	−78 20 32.0	9.34	H	277.290 372 83	−78.342 229 06		9.15	−40.51	−54.96	1.41	1.62	1.97	1.52	1.82	−12	−12	− 8	−20	+ 7	+ 3	+ 9	−20	−11	−22		0	
90592	18 29 10.87	+15 36 30.4	9.43	H	277.295 284 00	+15.608 440 21		2.77	−0.55	7.65	1.01	0.82	1.42	1.47	1.12	− 3	− 4	−10	+16	+12	− 2	+12	−20	+14	+ 2		2	−0.07
90593	18 29 11.01	+11 41 44.0	8.21	H	277.295 874 36	+11.695 543 86		15.39	−48.21	−17.29	0.80	0.66	1.11	1.07	0.88	+ 8	−25	−20	−17	+ 4	+ 1	− 5	+29	+34	− 3		3	−0.18
90594	18 29 11.52	+29 33 13.5	7.21	H	277.297 989 29	+29.553 742 76		5.06	0.34	43.51	0.47	0.46	0.69	0.59	0.58	+ 1	−11	− 7	+ 2	+10	− 6	+ 9	+ 8	− 1	− 2		1	−0.40
90595	18 29 11.85	−14 33 56.9	4.67	H	277.299 383 01	−14.565 804 99		11.19	3.07	−3.48	0.87	0.66	0.92	1.19	0.78	−28	+ 7	−34	−23	+30	− 4	+27	−32	+ 6	−53		0	−0.47
90596	18 29 11.93	−29 15 33.9	6.88	H	277.299 695 28	−29.259 419 11		22.14	0.08	−46.93	0.89	0.51	0.95	0.97	0.56	−10	−45	− 1	+ 6	+23	+ 2	+14	−32	+ 0	−29		0	0.68
90597	18 29 12.87	−43 50 45.6	6.36	G	277.303 634 19	−43.845 992 18		6.37	0.79	21.96	0.71	0.49	0.78	0.87	0.55	−17	−34	−12	− 4	+13	− 9	+ 3	−34	+10	−

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
90501	9.559	0.015	8.338	0.010		1.043	0.014	T	1.01	0.01	L	8.3865	0.0014	0.015	156		8.36	8.42					1							
90502	8.445	0.009	8.430	0.011		0.019	0.013	T	0.04	0.01	L	8.4559	0.0015	0.013	112		8.44	8.49					1							
90503	9.322	0.015	8.295	0.011		0.894	0.014	T	0.90	0.01	L	8.3720	0.0015	0.014	103		8.35	8.41					1							S
90504	8.789	0.014	8.268	0.013		0.496	0.015	G	0.57	0.02	H	8.3343	0.0015	0.013	80		8.31	8.36		C			1							
90505	8.618	0.015	8.432	0.018		0.178	0.022	T	0.20	0.03	L	8.4407	0.0015	0.016	63		8.42	8.47					1							S
90506	10.148	0.029	8.847	0.017		1.106	0.026	T	1.07	0.03	L	8.8933	0.0024	0.014	75		8.87	8.92		C			1							
90507	7.743	0.008	7.788	0.010		−0.036	0.012	T	−0.01	0.01	L	7.7940	0.0018	0.014	109		7.77	7.82		C			1							S
90508	10.089	0.046	9.927	0.062		0.156	0.072	T	0.17	0.07	L	9.8920	0.0064	0.034	45		9.84	9.94			18281−2048	I 2	1							G
90509	6.435	0.004	6.477	0.004		−0.035	0.005	T	−0.02	0.02	A	6.4821	0.0010	0.008	128		6.47	6.49					1							S
90510	6.473	0.004	6.299	0.005	*	0.157	0.003	G	0.17	0.00	H	* 6.3312	0.0008	0.007	102	*	6.32	6.34		D	18281−2645	H 1	2 C	A	AB	172	0.330	0.008	2.91	0.05	S
90511	9.126	0.013	8.703	0.014		0.400	0.018	T	0.47	0.02	L	8.7590	0.0016	0.013	106		8.73	8.78		C			1							
90512	9.100	0.024	8.597	0.024		0.473	0.031	T	0.54	0.03	L	8.6755	0.0021	0.012	41		8.65	8.70		C			1							
90513	8.284	0.013	7.087	0.008		1.019	0.004	G	0.99	0.00	H	7.1276	0.0011	0.008	57		7.12	7.14		C			1							S
90514	9.620	0.011	8.315	0.006		1.109	0.010	T	1.07	0.01	L	8.3570	0.0014	0.018	284		8.33	8.40					1							
90515	9.082	0.025	8.943	0.032		0.134	0.038	T	0.15	0.04	L	8.9453	0.0049	0.025	45		8.91	8.98			18281−2048	I 2	1							
90516	10.873	0.098	8.919	0.030		1.892	0.198	G	2.55	0.36	K	8.3456	0.0150	0.056	38		8.23	8.49			18282−2114	I 2	1	S						
90517	8.009	0.008	7.842	0.010		0.160	0.012	T	0.18	0.01	L	7.8915	0.0013	0.012	115		7.87	7.91		C			1							S
90518											T	10.9081	0.0886	0.474	37		9.02	11.28			18282−2114	I 2		S						G
90519	7.459	0.007	7.340	0.009		0.092	0.004	G	0.10	0.00	H	7.3702	0.0019	0.011	89		7.35	7.39			18282−5230	I 1	1	S						S
90520	8.254	0.009	8.390	0.013		−0.118	0.015	G	−0.10	0.02	H	8.3769	0.0018	0.015	114		8.35	8.40					1							
90521	10.176	0.031	8.714	0.016		1.232	0.027	T	1.19	0.03	L	8.7109	0.0013	0.016	96		8.69	8.74					1							
90522	9.975	0.025	9.295	0.022		0.617	0.025	T	0.69	0.02	L	9.3512	0.0034	0.027	83		9.31	9.39		C			1							
90523	9.642	0.031	8.790	0.024		0.764	0.030	T	0.80	0.02	L	8.8257	0.0021	0.014	49		8.80	8.86		C			1							
90524	8.979	0.014	7.580	0.008		1.183	0.013	T	1.14	0.01	L	7.6173	0.0012	0.012	110		7.60	7.64		C			1							S
90525	9.787	0.018	8.751	0.013		0.901	0.017	T	0.90	0.01	L	8.7968	0.0015	0.019	129		8.76	8.83		C			1							
90526	9.379	0.020	9.042	0.022		0.325	0.033	T	0.38	0.04	L	9.0888	0.0016	0.016	77		9.06	9.11		C			1							
90527	8.208	0.009	7.812	0.009		0.375	0.012	T	0.44	0.01	L	7.8549	0.0012	0.010	108		7.84	7.88		C			1							S
90528	8.088	0.012	7.921	0.015		0.120	0.015	G	0.13	0.01	H	7.9624	0.0018	0.009	61		7.93	7.99					1							S
90529	11.124	0.081	10.578	0.080		0.738	0.010	G	0.79	0.01	H	10.5755	0.0047	0.032	57		10.52	10.63					1							G
90530	10.614	0.029	9.516	0.019		0.959	0.002	G	1.01	0.00	I	9.5604	0.0027	0.031	157		9.51	9.60					1 X							
90531	8.270	0.008	8.292	0.010		−0.030	0.015	G	−0.01	0.01	H	8.3112	0.0019	0.019	136		8.29	8.34					1							
90532	8.203	0.010	7.693	0.008		0.495	0.010	G	0.57	0.01	H	7.7362	0.0010	0.009	145		7.72	7.76		C			1							S
90533	11.221	0.054	9.574	0.022		1.378	0.046	T	1.35	0.06	L	9.5693	0.0016	0.020	124		9.54	9.61		C			1							
90534	8.995	0.011	8.668	0.012		0.310	0.015	T	0.36	0.02	L	8.6962	0.0016	0.014	129		8.67	8.72		C			1							G
90535	9.144	0.015	8.529	0.014		0.573	0.018	T	0.65	0.02	L	8.5902	0.0017	0.015	91		8.57	8.62		C			1							
90536	8.275	0.013	7.913	0.015		0.343	0.018	T	0.40	0.02	L	7.9648	0.0017	0.011	55		7.95	7.99		C			1							S
90537	9.587	0.016	9.495	0.020		0.090	0.024	T	0.10	0.03	L	9.5233	0.0017	0.021	155		9.48	9.56					1							
90538	10.435	0.038	8.790	0.017		1.376	0.033	T	1.35	0.04	L	8.7758	0.0025	0.018	84		8.74	8.80		C			1							
90539	9.236	0.018	8.408	0.014		0.749	0.015	G	0.79	0.01	H	8.4657	0.0016	0.015	67		8.44	8.50					1							
90540	9.282	0.015	8.870	0.016	*	0.415	0.009	G	0.48	0.01	H	* 8.8990	0.0021	0.018	123	*	8.86	8.93			18284+4444	H 1	2 C	S A	AB	78	0.146	0.016	1.10	0.47	
90541	5.807	0.003	5.653	0.003		0.140	0.004	T	0.15	0.00	L	5.6842	0.0007	0.006	99		5.67	5.70					1							S
90542	9.241	0.015	8.436	0.012		0.728	0.015	T	0.78	0.01	L	8.4896	0.0019	0.014	94		8.47	8.52		C			1							
90543	11.828	0.212	10.955	0.155		0.780	0.197	T	0.82	0.14	L	11.1961	0.0041	0.058	79		11.04	11.28					1	S						G
90544	10.302	0.032	8.839	0.016		1.233	0.028	T	1.19	0.03	L	8.8846	0.0015	0.014	112		8.86	8.91					1							
90545	9.052	0.014	9.039	0.019		0.000	0.020	G	0.02	0.02	H	9.0696	0.0019	0.016	89		9.05	9.10		C			1							
90546	8.753	0.014	8.055	0.012		0.649	0.015	G	0.71	0.01	H	8.1164	0.0018	0.016	83		8.09	8.14					1							
90547	7.708	0.007	7.693	0.008		0.019	0.010	T	0.04	0.01	L	7.7090	0.0015	0.013	109		7.68	7.73			18285+0450	I 1	1							S
90548	8.925	0.016	8.111	0.013		0.735	0.016	T	0.78	0.01	L	8.1819	0.0020	0.017	54		8.15	8.19					1							
90549	8.238	0.007	6.974	0.004		1.077	0.006	T	1.03	0.02	A	7.0039	0.0009	0.010	165		6.98	7.02		D			1 X	S						S
90550	9.501	0.017	8.355	0.011		0.985	0.016	T	0.97	0.01	L	8.4103	0.0019	0.016	111		8.38	8.44		C			1							
90551	7.526	0.006	7.238	0.007		0.293	0.015	G	0.33	0.02	H	7.2823	0.0008	0.008	116		7.27	7.30		C			1							S
90552	8.963	0.016	8.410	0.015		0.570	0.015	G	0.64	0.01	H	8.4512	0.0019	0.018	57		8.43	8.52		U 2			1							
90553	9.222	0.010	7.829	0.006		1.178	0.009	T	1.14	0.01	L	7.8579	0.0012	0.016	229		7.84	7.89					1							S
90554	9.620	0.030	9.118	0.031	*	0.472	0.039	T	0.54	0.04	L	* 9.8627	0.0036	0.025	114	*	9.82	9.91		D	18287+1614	I 1	2 C	A	AB	144	2.028	0.005	0.43	0.02	G
90555	9.371	0.020	7.712	0.010		1.387	0.018	T	1.36	0.02	L	7.6918	0.0012	0.012	76		7.67	7.71		D			1							S
90556	8.666	0.011	8.526	0.013		0.123	0.015	G	0.14	0.01	H	8.5695	0.0016	0.015	119		8.55	8.60		C			1							
90557	8.044	0.009	7.758	0.009		0.272	0.012	T	0.31	0.01	L	7.8035	0.0012	0.012	112		7.78	7.82					1							S
90558	9.943	0.025	8.211	0.012		1.445	0.022	T	1.44	0.04	L	8.1702	0.0025	0.016	90		8.14	8.19					1							
90559	9.223	0.014	8.517	0.012		0.640	0.020	G	0.70	0.02	H	8.5687	0.0014	0.015	112		8.54	8.60		C			1							
90560	9.763	0.038	9.213	0.037		0.521	0.039	T	0.59	0.04	L	9.2688	0.0028	0.015	59		9.24	9.30		C			1							
90561	9.409	0.015	9.130	0.016		0.265	0.021	T	0.30	0.03	L	9.2301	0.0019	0.016	127		9.20	9.26		C			1							
90562	9.728	0.022	7.835	0.009		1.580	0.015	G	1.55	0.01	J	7.7739	0.0015	0.014	101		7.75	7.80					1							
90563	10.066	0.028	9.405	0.025		0.603	0.028	T	0.67	0.03	L	9.4142	0.0023	0.020	82		9.39	9.45		C			1							
90564	9.737	0.020	8.424	0.012		1.115	0.018	T	1.08	0.02	L	8.4710	0.0016	0.012	111		8.45	8.49					1							
90565	9.284	0.021	8.660	0.019		0.606	0.015	G	0.68	0.01	H	8.6946	0.0017	0.018	58		8.67	8.73					1							
90566	9.523	0.019	9.014	0.019		0.489	0.020	T	0.56	0.02	L	9.0920	0.0023	0.024	84		9.05	9.13					1							
90567	10.290	0.034	8.539	0.014		1.460	0.029	T	1.47	0.05	L	8.5320	0.0020	0.021	85		8.50	8.56					1							
90568	5.406	0.003	4.224	0.002		0.995	0.041	G	1.02	0.02	A	4.2661	0.0004	0.004	111		4.26	4.27		C			1							S
90569	10.300	0.033	8.391	0.012		1.585	0.028	T	1.60	0.03	L	8.3324	0.0018	0.016	111		8.31	8.36					1							
90570	9.171	0.018	8.726	0.018		0.420	0.023	T	0.49	0.02	L	8.8168	0.0019	0.018	73		8.79	8.84		C			1							
90571	9.355	0.017	7.707	0.009		1.378	0.015	T	1.35	0.02	L	7.7101	0.0011	0.011	107		7.69	7.73					1							
90572	10.652	0.052	8.404	0.015		1.855	0.043	T	1.89	0.04	L	8.3013	0.0027	0.014	57		8.28	8.34					1							
90573	9.726	0.035	9.119	0.033		0.564	0.036	T	0.64	0.03	L	9.1963	0.0020	0.015	69		9.17	9.23		C			1							
90574	9.213	0.183	8.479	0.172	B	0.599	0.015	G	0.67	0.01	H	* 7.5319	0.0013	0.008	59	*	7.52	7.55		D	18289−2503	I 1	2 C	A	AB	105	2.626	0.005	0.10	0.01	S
90575	8.384	0.018	8.076	0.020		0.227	0.001	G	0.25	0.00	H	8.1500	0.0027	0.022	91		8.12	8.20		R	18290−2635	I 2	1							
90576	6.779	0.006	6.682	0.007		0.095	0.009	T	0.11	0.01	L	6.7141	0.0009	0.007	87		6.70	6.73			18290−2635	I 2	1							S
90577											T	11.2789	0.0055	0.047	46		11.21	11.35		C			1	S						G
90578	12.102	0.219	10.849	0.113		1.190	0.015	G	1.15	0.01	H	10.8109	0.0033	0.034	64		10.75	10.88					1							G
90579	10.552	0.039	9.059	0.019		1.256	0.034	T	1.21	0.04	L	9.0744	0.0020	0.016	85		9.05	9.10		C			1							
90580	9.795	0.023	9.424	0.025		0.351	0.032	T	0.41	0.04	L	9.4710	0.0018	0.018	111		9.45	9.50		C			1							
90581	12.081	0.158	10.605	0.069		1.243	0.135	T	1.20	0.13	L	10.6253	0.0028	0.038	133		10.55	10.69					1							G
90582	8.407	0.008	7.757	0.007		0.596	0.003	G	0.67	0.00	H	7.8221	0.0013	0.013	154		7.80	7.84		C			1							S
90583	9.418	0.013	8.067	0.008		1.145	0.012	T	1.11	0.01	L	8.1055	0.0015	0.017	158		8.08	8.14					1							
90584	8.200	0.010	7.574	0.008		0.582	0.011	T	0.65	0.01	L	7.6233	0.0013	0.012	97		7.60	7.64		C			1							
90585	9.064	0.015	7.814	0.010		1.066	0.014	T	1.03	0.01	L	7.8527	0.0013	0.012	81		7.83	7.87					1							
90586	8.229	0.008	7.561	0.009		0.619	0.010	T	0.69	0.01	L	7.6166	0.0017	0.014	119		7.60	7.64					1							S
90587	8.480	0.008	8.357	0.010		0.119	0.012	T	0.13	0.01	L	8.3799	0.0017	0.017	134		8.35	8.41		C			1							
90588	9.322	0.023	8.487	0.019	*	0.720	0.015	G	0.77	0.01	H	* 8.5180	0.0021	0.015	67	*	8.50	8.54		C	18291−2955	H 1	2 C	B	AB	22	0.713	0.037	3.29	0.23	
90589	11.043	0.071	10.244	0.057		0.724	0.070	T	0.78	0.05	L	10.2811	0.0053	0.035	66		10.21	10.33		C			1							G
90590	8.790	0.011	8.112	0.010		0.627	0.015	G	0.69	0.01	H	8.1769	0.0012	0.011	114		8.16	8.20		C			1							S
90591	10.124	0.021	9.387	0.017		0.660	0.020	T	0.72	0.02	L	9.4780	0.0026	0.029	158		9.43	9.52					1 X							
90592	9.622	0.018	9.441	0.021		0.173	0.026	T	0.19	0.03	L	9.4910	0.0026	0.023	119		9.45	9.53					1							
90593	9.022	0.013	8.282	0.011		0.677	0.014	T	0.74	0.01	L	8.3517	0.0015	0.014	100		8.33	8.38		C			1							
90594	8.407	0.009	7.307	0.006		0.950	0.008	T	0.94	0.01	L	7.3705	0.0010	0.010	139		7.35	7.39		C	18292+2933	I 1	1							S
90595	4.774	0.003	4.693	0.003		0.076	0.014	G	0.10	0.02	A	4.7103	0.0006	0.003	51		4.70	4.72		C			1							S
90596	7.420	0.007	6.936	0.007		0.463	0.004	G	0.53	0.00	H	6.9855	0.0007	0.007	86		6.97	7.00			18292−2916	I 1	1							S
90597	7.501	0.006	6.457	0.006		0.904	0.003	G	0.91	0.00	H	6.5161	0.0011	0.009	89		6.50	6.53		C			1							S
90598	10.634	0.046	9.677	0.031		0.678	0.006	G	0.74	0.01	H	9.6753	0.0019	0.016	83		9.64	9.70					1							
90599	7.968	0.010	7.913	0.015		0.050	0.016	T	0.06	0.01	L	7.9131	0.0027	0.078	100		7.88	8.31	2.20	P 1 A			1							S
90600	10.389	0.042	9.451	0.031		0.884	0.030	G	0.89	0.02	H	9.4833	0.0027	0.023	54		9.44	9.55		C			1							G

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)												Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	$\mu_{\alpha*}$		F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr		$\alpha*$	$\alpha*$	δ	$\alpha*$	δ	π	$\alpha*$	δ	π	$\mu_{\alpha*}$		%	
1 2	3	4	5 6 7		8	9 10		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
90601	18 29 14.68	−02 46 34.6	11.28	H	277.311 150 64	−02.776 268 84	B	29.24	−16.81	−2.20	55.62	44.73	20.35	23.78	20.25	+41	−36	−32	− 3	+27	− 7	+23	+12	+ 5	+37		0	1.12
90602	18 29 15.36	−02 46 21.1	8.84	H	277.314 012 11	−02.772 537 35	A	5.49	−17.78	−3.10	3.06	2.35	2.44	2.89	2.45	+30	−29	−25	+ 1	+25	− 4	+23	+15	+ 0	+36		0	1.12
90603	18 29 15.63	−41 57 23.5	8.25	H	277.315 119 54	−41.956 532 63		2.54	1.23	−12.14	1.07	0.74	1.19	1.34	0.86	−21	−23	− 1	−17	+12	+ 4	+11	−47	+ 3	−21		0	0.07
90604	18 29 16.79	−38 51 04.6	6.63	G	277.319 957 45	−38.851 265 61		1.97	0.54	−15.22	0.72	0.47	0.84	0.93	0.57	− 6	−25	−12	+ 3	+ 4	+16	+ 6	−36	+15	+ 3		2	1.76
90605	18 29 19.26	−31 33 30.9	8.18	H	277.330 247 23	−31.558 582 03		6.50	19.88	−27.84	1.09	0.81	1.46	1.66	0.94	+25	−25	−37	− 2	+22	−51	−12	−52	+29	−25		0	1.17
90606	18 29 20.02	−80 13 57.2	5.95	H	277.333 420 45	−80.232 554 08		9.36	−23.34	−63.39	0.41	0.46	0.55	0.44	0.48	− 2	−21	+ 1	+ 7	− 9	− 1	−10	−22	−11	−16		0	2.18
90607	18 29 20.60	+19 46 31.9	8.95	H	277.335 821 82	+19.775 531 85		−1.23	1.67	−2.69	0.72	0.81	1.30	0.95	1.13	+24	− 5	−11	+41	− 7	+ 9	+ 4	−10	+ 3	+44		0	0.88
*90608	H 18 29 20.96	−51 18 45.3	9.82	H	277.337 328 61	−51.312 573 55	A	3.97	14.63	−28.46	3.47	3.04	4.32	3.70	2.94	+ 1	−17	− 2	+28	−29	+ 6	−26	+ 5	+ 8	+ 9		1	0.63
*90609	18 29 20.86	+17 59 02.2	6.78	H	277.336 928 21	+17.983 949 37		4.49	−1.69	−11.51	0.53	0.49	0.76	0.64	0.61	− 3	−11	−19	+ 0	+15	+10	+18	−20	+27	+19		0	−0.71
90610	18 29 21.99	−25 15 23.7	6.63	2 H	277.341 611 67	−25.256 589 11		1.01	−0.22	−7.33	0.91	0.55	0.97	1.09	0.67	− 8	−39	−17	+11	+10	− 1	+ 0	−39	+19			0	1.15
90611	18 29 22.35	−27 58 15.1	9.37	H	277.343 116 05	−27.970 859 76		34.75	−69.84	−449.23	1.32	0.81	1.50	1.48	0.90	+20	−32	−14	+ 0	+16	−10	+ 0	−55	+13	− 4		2	0.58
90612	18 29 22.88	+45 58 55.0	7.34	H	277.345 334 68	+45.981 954 72		6.36	−46.78	4.56	0.53	0.49	0.57	0.64	0.66	+ 3	+ 0	−10	− 3	− 3	− 3	− 5	+ 9	− 7	+ 7		0	0.19
90613	18 29 23.88	−13 35 54.2	8.45	H	277.349 486 27	−13.598 379 77		2.16	−2.38	−4.47	1.01	0.76	1.12	0.98	0.77	+ 6	−40	−19	+ 0	− 7	− 7	− 9	−18	+ 2	− 5		0	−2.16
90614	18 29 24.49	−41 34 41.2	9.66	H	277.352 058 06	−41.578 116 12		5.17	−21.10	−2.58	1.42	0.97	1.65	1.80	1.15	− 8	−15	+ 0	− 4	+ 6	− 6	+ 3	−36	+ 0	−17		2	0.69
90615	18 29 25.04	+76 13 33.1	7.41	H	277.354 353 12	+76.225 852 83		3.96	−11.13	−16.66	0.58	0.51	0.58	0.62	0.62	+ 0	−26	+ 5	−23	+10	− 7	+10	+17	−12	+13		1	1.31
90616	18 29 25.16	+05 03 34.0	10.28	G	277.354 841 42	+05.059 457 62		11.84	27.47	−15.54	1.24	0.98	1.53	1.46	1.26	+48	−15	+ 6	+ 2	+28	+12	+27	+ 2	+11	+25		2	−0.07
90617	18 29 25.69	−06 04 37.2	11.96	H	277.357 051 14	−06.077 011 42		−2.06	−4.72	−4.34	3.78	2.76	4.23	4.06	3.32	+21	−29	−17	+ 2	−25	+11	−19	− 1	−28	−29		6	−0.83
*90618	18 29 27.43	+13 51 18.4	7.02	G	277.364 284 93	+13.855 110 61		21.33	65.23	−65.34	0.64	0.53	0.85	0.75	0.66	+ 3	−25	−23	−13	+13	+ 1	−36	+33	− 7			0	0.97
*90619	18 29 27.39	−18 40 17.5	9.20	H	277.364 130 83	−18.671 529 58		0.07	−51.31	−46.81	1.64	1.19	1.67	1.91	1.50	+24	−26	− 6	+ 3	−33	+ 7	−32	−27	− 9	+16		0	−1.06
90620	18 29 27.56	−47 05 08.7	7.60	G	277.364 846 11	−47.085 744 92		4.85	5.86	17.55	0.81	0.59	0.92	1.12	0.78	−18	−19	− 2	+13	− 3	−10	− 7	−15	+11	−26		4	−0.45
90621	18 29 27.67	+07 21 34.7	7.77	H	277.365 276 51	+07.359 638 59		17.31	−34.52	42.02	0.71	0.55	0.90	0.86	0.73	+28	−13	− 3	−13	+ 4	+28	+ 5	−26	+22	+38		0	1.35
90622	18 29 28.06	+42 48 07.8	9.85	H	277.366 922 71	+42.802 178 93		1.34	−7.93	−2.44	0.83	0.85	1.00	0.89	1.12	+11	− 5	− 9	+ 8	+ 6	+ 9	+ 8	+17	−15	+ 6		1	1.10
90623	18 29 30.20	−68 51 59.6	8.53	1 H	277.375 850 28	−68.866 546 11		2.77	0.35	−9.73	0.54	0.75	1.16	0.60	0.94	+ 0	−12	− 6	+ 2	−26	+ 5	−31	−14	+12	−14		0	0.65
90624	18 29 30.80	+12 27 02.7	8.08	H	277.378 328 41	+12.450 754 95		2.51	3.70	7.70	0.94	0.63	1.18	1.12	0.85	+19	−48	−31	−40	+ 0	+13	−15	−48	+38	+ 9		2	−0.03
90625	18 29 31.71	+11 54 51.2	8.07	H	277.382 122 04	+11.914 214 63		5.62	9.42	−10.06	0.86	0.63	1.12	1.08	0.88	+ 7	−26	−24	−22	+ 5	+ 2	− 5	−36	+38	− 1		2	1.05
90626	18 29 31.80	+09 03 42.9	8.65	G	277.382 505 14	+09.061 910 53		37.22	188.99	72.92	0.91	0.69	1.24	1.04	0.89	−15	−31	−12	−38	+ 6	+14	− 1	−59	+37	− 1		0	1.00
90627	18 29 32.58	+29 58 45.1	9.27	1 H	277.385 754 07	+29.979 191 64		2.65	−10.13	−6.14	0.97	0.87	1.33	1.13	1.09	− 4	−18	+ 6	+21	+ 7	−11	+10	+ 0	+ 7	+13		0	0.59
90628	H 18 29 32.95	−50 52 40.6	9.70	H	277.387 294 42	−50.877 934 82	*	5.78	6.30	−69.80	1.32	0.98	1.57	1.62	1.02	− 2	−13	+ 7	+28	−40	− 5	−32	+ 9	− 1	+13		0	1.23
90629	H 18 29 33.51	−67 33 52.4	9.14	H	277.389 630 00	−67.564 553 49	A	3.39	−5.23	−24.15	1.50	2.08	2.28	1.59	2.15	+27	−15	− 2	− 2	−11	+ 4	− 9	−17	− 7	+30		0	−0.74
90630	18 29 33.82	+12 41 17.6	10.47	H	277.390 936 97	+12.688 233 73		5.50	37.31	−73.30	1.59	1.07	1.96	1.90	1.46	+12	−46	−14	−36	+ 4	+12	− 8	−36	+27	+14		1	0.51
90631	18 29 34.24	−22 10 37.4	9.51	H	277.392 661 86	−22.177 062 04		0.09	7.13	−0.52	1.56	1.08	1.56	1.93	1.27	−11	−30	−26	+41	−24	−15	−36	+14	+ 7	−50		3	1.60
90632	18 29 34.90	+29 58 04.7	9.11	2 H	277.395 424 68	+29.967 970 59		10.20	−4.00	1.17	0.83	0.83	1.17	0.98	1.02	+ 8	−12	+10	+24	+11	−14	+12	− 6	− 8	+11		1	1.60
90633	18 29 35.03	−09 17 18.9	8.51	H	277.395 976 19	−09.288 590 00		4.29	2.99	1.95	0.99	0.74	1.10	0.98	0.76	−17	−29	−11	−14	+ 4	+ 6	+ 4	−13	+ 0	−23		3	0.27
90634	18 29 35.34	−44 27 30.2	9.25	H	277.397 254 15	−44.458 389 86		6.17	7.46	12.27	1.20	0.83	1.33	1.62	0.98	−16	−27	− 6	+ 9	+ 3	− 1	− 4	−22	+ 1	−41		0	1.34
90635	H 18 29 35.47	+26 03 20.4	7.94	H	277.397 778 49	+26.055 674 65	A	6.90	5.60	8.18	0.75	0.80	1.13	0.89	0.95	+ 9	− 3	+ 3	+14	+ 9	− 3	+ 8	+ 3	+ 2	− 6		1	0.29
90636	18 29 35.61	+32 43 29.9	8.03	H	277.398 389 92	+32.724 982 56		2.39	−2.14	−3.39	0.58	0.56	0.81	0.61	0.72	+10	−37	−12	+22	+ 3	−19	− 4	−22	+16	+ 5		1	1.17
90637	18 29 35.71	+23 51 58.3	5.87	1 H	277.398 793 28	+23.866 206 45		2.21	0.05	−1.95	0.32	0.38	0.62	0.42	0.46	+ 0	− 8	+ 6	+14	+12	− 3	+10	− 2	+ 6	− 6		1	−0.60
90638	18 29 36.38	+18 00 47.5	7.90	H	277.401 599 94	+18.013 199 91		5.22	−10.74	−5.08	0.63	0.58	0.91	0.73	0.68	− 7	−13	−13	+ 0	+18	+11	+19	−18	+23	+15		0	−0.05
90639	18 29 37.90	−33 56 02.2	7.04	H	277.407 920 51	−33.933 933 67		5.84	−4.54	−17.18	0.86	0.51	0.95	0.91	0.56	+21	−47	−19	+12	+ 1	+ 3	− 4	−19	− 2	−10		0	2.36
90640	H 18 29 38.46	−46 43 03.3	8.87	H	277.410 244 48	−46.717 592 95	A	6.41	19.76	−18.89	2.82	2.52	2.82	3.60	2.58	− 6	−25	+13	−16	+ 9	+ 6	+ 9	−26	+ 1	+ 1		2	−0.57
90641	H 18 29 40.94	−49 49 19.3	9.87	H	277.420 584 19	−49.822 035 23	A	0.24	2.97	4.32	3.42	5.32	2.65	3.03	2.04	+ 7	−14	+12	+ 1	−29	−16	−30	−13	−11	+62		1	−0.55
90642	18 29 40.96	−01 59 06.8	5.38	H	277.420 676 89	−01.985 225 63		13.81	29.75	−33.81	0.68	0.54	0.78	0.74	0.58	− 2	−20	−32	−13	+ 0	+11	+ 5	+ 0	− 9	− 9		0	−0.59
90643	H 18 29 42.68	−64 35 35.2	8.44	H	277.427 827 00	−64.593 117 34	A	6.53	6.98	−64.63	1.34	3.37	1.38	1.08	1.07	+ 1	+ 2	−14	+10	− 2	+ 9	+ 8	−10	+ 2	+28		1	−0.08
90644	18 29 42.77	−71 30 15.3	8.35	H	277.428 220 23	−71.504 252 55		12.36	15.35	−168.49	0.48	0.69	0.95	0.57	0.74	− 4	−14	− 6	+15	− 9	− 1	− 8	− 3	− 5	− 9		0	−0.29
90645	18 29 43.73	+65 06 01.6	8.21	H	277.432 208 16	+65.100 451 62		5.76	25.82	50.54	0.61	0.60	0.64	0.74	0.77	+ 9	−15	−11	− 7	+ 6	+14	+ 7	+ 1	− 1	+19		0	−0.24
90646	18 29 44.93	−34 16 07.5	8.20	2 H	277.437 212 76	−34.268 738 11		2.96	0.19	−5.60	1.05	0.67	1.15	1.22	0.78	+24	−41	−23	+ 3	− 8	− 5	−15	−32	+ 5	+ 0		0	0.26
90647	18 29 44.96	+77 32 49.5	5.65	H	277.437 348 72	+77.547 069 64		6.87	1.59	−0.70	0.46	0.45	0.48	0.52	0.56	+ 8	−19	− 6	+11	− 2	− 7	+ 4	+26	−20	− 5		3	−1.47
90648	18 29 45.03	−29 49 37.9	8.88	H	277.437 632 24	−29.827 193 21		4.75	7.89	−4.10	1.43	1.01	1.44	2.15	1.32	−33	−15	−15	−29	+52	−18	+41	−62	+23	−41		0	0.75
90649	18 29 45.40	+31 51 04.9	8.75	H	277.439 149 65	+31.851 368 84		2.36	1.88	11.69	0.71	0.63	0.99	0.88	0.93	+10	−18	−20	+ 0	+ 8	− 9	+ 5	−42	+21	+ 7		0	−0.66
90650	18 29 45.95	+17 35 57.7	7.57	H	277.441 442 16	+17.599 354 13		3.72	−1.67	−15.94	0.60	0.56	0.88	0.68	0.67	− 5	−17	−14	− 7	+18	+ 8	+20	−15	+12	+13		0	0.38
90651	18 29 46.75	−14 34 55.3	6.02	H	277.444 778 62	−14.582 023 26		11.46	21.87	15.08	0.79	0.59	0.84	1.10	0.76	+ 8	−12	− 3	+20	+23	+26	+24	+13	+ 7	+20		3	−0.20
90652	18 29 50.91	−07 17 14.6	9.25	2 H	277.462 134 75	−07.287 384 43		5.03	9.71	−10.14	1.14	0.93	1.27	1.26	1.02	−20	−13	−20	−13	+10	+19	+16	− 4	−17	−26		0	1.48
90653	18 29 51.31	−42 54 43.5	9.29	H	277.463 774 62	−42.912 081 56		5.51	14.43	−7.17	1.30	0.99	1.57	1.62	1.13	+ 4	−31	−40	−26	+10	−11	− 6	−59	+35	−20		0	−1.06
90654	18 29 51.42	+22 00 40.1	8.24	H	277.464 251 12	+22.011 144 62		5.21	−3.29	−16.22	0.68	0.61	0.96	0.74	0.75	+ 2	− 8	+19	+63	+20	+ 4	+11	− 5	− 9	−13		0	−0.18
90655	18 29 51.96	−26 01 30.6	8.79	H	277.466 497 51	−26.025 163 97		8.59	90.22	−96.78	1.34	0.78	1.44	1.44	0.91	+16	−47	−12	+15	+19	− 1	+10	−41	+12	+10		2	0.53
90656	18 29 52.31	−01 49 03.5	8.04	G	277.467 945 75	−01.817 632 39		53.30	172.00	−193.90	0.91	0.74	1.05	0.92	0.77	+12	−18	−23	−14	− 9	+ 6	− 4	−10	−20	+ 0		0	−0.12
90657	18 29 52.82	+09 11 57.9	7.88	G	277.470 095 02	+09.199 415 16		13.97	−116.10	−206.24	0.75	0.54	0.97	0.88	0.70	−17	−25	+ 6	−30	+10	+16	+ 4	−48	+20	−11		0	0.90
90658	18 29 53.72	−73 12 07.5	12.20	2 H	277.473 816 19	−73.202 078 43		−3.56	1.74	−9.45	1.81	2.25	3.22	1.97	2.42	− 7	− 1	− 1	+14	− 2	−10	− 4	−15	− 2	−11		0	−2.17
90659	18 29 54.05	+26 39 26.7	8.13	G	277.475 218 68	+26.657 405 77	+	8.28	90.12	−46.91	0.81	0.71	0.87	0.77	0.92	+17	−23	− 8	+46	+25	−21	+38	+45	− 7	+15		0	1.82
90660	18 29 54.94	−03 59 07.4	8.27	H	277.478 903 63	−03.985 398 80		9.36	−11.96	24.87	1.00	0.77	1.09	0.88	0.72	− 1	−24	−13	−20	+15	−12	+13	−21	+ 0	+ 2		0	1.26
90661	18 29 55.21	−12 23 22.0	9.19	2 H	277.480 051 18	−12.389 438 92		2.05	3.17	0.41	1.26	1.02	1.41	1.42	1.14	− 4	−13	+ 2	−13	− 6	− 8	− 3	−29	−24	− 6		5	0.76
90662	18 29 55.92	−47 13 13.8	5.69	G	277.482 989 47	−47.220 513 19		5.49	29.59	−13.41	0.59	0.45	0.73	0.80	0.58	−11	−16	−12	+ 6	+18	−16	+ 8	−27	+28	−24		0	0.24
90663	18 29 56.22	−71 04 16.7	9.52	H	277.484 239 46	−71.071 292 50		7.97	16.98	−64.88	0.63	0.94	1.30	0.72	1.04	− 9	−18	− 6	+25	−13	− 6	−16	−10	− 4	−20		2	0.41
90664	18 29 56.68	−57 31 23.1	5.74	G	277.486 154 04	−57.523 082 79		9.12	56.44	−24.91	0.64	0.46	0.72	0.71	0.51	− 7	−30	− 2	+21	−16	+ 6	−15	− 9	+ 7	− 3		0	1.13
90665	18 29 57.14	+10 28 58.4	6.91	H	277.488 068 90	+10.482 883 89		14.81	−6.44	51.90	0.65	0.50	0.86	0.86	0.71	− 8	−19	−16	−33	+ 6	+24	+ 2	−47	+24	−16		0	0.75
90666	18 29 58.25	+25 45 58.7	7.91	H	277.492 721 95	+25.766 292 61		4.42	33.36	27.80	0.54	0.57	0.97	0.69	0.71	+ 1	− 8	+16	+21	+17	− 1	+17	+ 9	− 2	− 7		0	−0.43
90667	18 29 58.73	+21 31 23.5	8.81	H	277.494 706 07	+21.523 194 55		−0.96	3.66	−0.91	0.69	0.70	1.20	0.73	0.83	+ 5	− 1	+ 9	+56	+24	+ 2	+20	+16	+ 0	−11		0	−1.05
90668	18 29 58.89	−39 31 53.2	8.34	H	277.495 385 83	−39.531 434 96		−1.61	−3.14	−2.43	1.00	0.75	1.16	1.36	0.86	+ 4	− 9	−18	−10	−25	+ 0	−20	−41	− 4	+ 7		0	−0.78
90669	18 29 59.43	+15 56 39.8	7.17	H	277.497 641 01	+15.944 396 36		4.22	−5.34	0.87	0.67	0.54	1.01	0.93	0.72	−22	−22	−11	− 2	+25	−29	+17	−29	+24	−19		1	2.63
90670	18 30 00.22	−33 32 51.9	8.23	H	277.500 898 24	−33.547 749 85		3.81	−1.36	−1.69	1.04	0.65	1.15	1.23	0.74	+ 1	−34	− 4	+19	+ 0	−14	− 3	−23	− 3	−13		0	−1.13
90671	18 30 02.07	−33 29 43.3	7.70	2 H	277.508 610 43	−33.495 356 73		2.83	−0.91	−7.89	0.88	0.58	1.01	1.15	0.70	+ 5	−12	+ 2	+14	− 1	−19	− 4	−26	−11	− 5		2	1.34
90672	18 30 02.17	−68 52 34.6	12.33	H	277.509 032 09	−68.876 275 52		8.65	−34.16	−3.55	1.55	2.24	3.52	1.83	2.89	− 5	−12	− 3	+16	−30	+ 4	−34	− 2	+ 8	−16		0	2.18
90673	18 30 03.96	+18 35 17.9	7.58	H	277.516 512 16	+18.588 301 06		3.62	15.33	7.11	0.65	0.61	1.09	0.81	0.84	−15	+ 1	−31	−23	+14	+18	+21	−27	+40	− 1		0	−1.17
90674	18 30 04.37	−43 50 00.9	7.11	H	277.518 222 63	−43.833 583 84		11.55	8.22	−156.02	0.75	0.54	0.87	0.97	0.61	− 9	−19	−23	− 1	+13	− 6	+ 3	−34	+ 9	−37		2	0.90
90675	18 30 04.93	−68 50 09.8	8.50	H	277.520 522 16	−68.836 069 43		3.43	−8.83	−24.77	0.57	0.82	1.26	0.59	0.97	+ 3	−15	−11	− 4	−24	+ 6	−31	−21	+12	−19		0	0.84
90676	18 30 05.12	+04 03 55.3	6.66	H	277.521 334 39	+04.065 367 43		1.17	−0.08	−5.59	0.64	0.48	0.80	0.74	0.62	+28	−33	−30	−19	+ 9	+ 5	+13	−13	+ 0	−17		0	1.22
90677	18 30 05.43	−61 46 18.9	10.90	3 H	277.522 607 41	−61.771 906 62		0.80	−16.76	−14.48	1.90	1.57	2.37	2.36	1.67	− 1	−19	−18	+ 5	−21	− 5	−19	+ 1	+ 3	−11		4	−1.84
90678	18 30 07.77	−16 11 28.6	7.82	H	277.532 385 69	−16.191 285 13		8.16	7.87	−17.50	1.08	0.82	1.19	1.34	0.90	−25	−23	−45	−24	+38	−17	+26	−44	+20	−59		0	2.38
90679	18 30 08.05	−19 41 17.4	10.47	H	277.533 529 07	−19.688 177 13		0.13	−6.27	0.11	2.45	1.74	2.85	2.81	1.96	+12	−40	−36	+12	+10	−25	−11	−32	+22	−20		0	1.53
90680	18 30 08.28	−02 35 27.1	9.14	H	277.534 504 26	−02.590 863 65		2.72	−4.17	−21.60	1.29	0.98	1.45	1.42	1.15	+25	−37	−25	+11	+29	+19	+33	+19	+ 3	+46		0	−1.19
90681	18 30 08.44	+43 20 38.4	9.27	H	277.535 177 54	+43.343 991 46		1.15	3.16	2.46	0.77	0.74	0.89	0.80	0.98	+ 2	+ 8	+ 4	+ 1	+ 3	+ 3	+ 2	+12	−18	+ 0		1	0.82
90683	18 30 10.13	+48 36 16.8	9.18	H	277.542 198 19	+48.604 663 94		0.10	−0.62	−0.47	0.75	0.69	0.78	0.95	0.83	+10	− 8	−14	+20	+ 0	+ 3	+ 3	+ 2	+ 2	+21		0	0.15
90684	18 30 10.54	−19 51 05.9	10.92	G	277.543 923 39	−19.851 633 00		0.84	−2.09	−4.97	2.42	1.55	2.55	2.59	1.79	+11	−46	−27	+24	− 9	− 1	−12	−10	+ 3	−10		0	0.06
90685	18 30 11.27	+56 09 27.1	9.26	H	277.546 979 16	+56.157 538 97		4.25	−20.61	−7.12	0.95	0.84	0.82	1.08	1.08	− 4	− 5	+ 1	+56	+ 1	+ 3	+ 4	+46	− 9	+ 5		1	1.68
90686	H 18 30 11.52	−76 40 45.9	9.06	H	277.548 017 79	−76.679 407 34	A	6.70	−5.00	30.72	3.57	2.84	2.31	2.25	2.21	−21	− 3	− 5	+16	− 5	+ 3	− 8	− 5	+ 9	−10		1	−0.74
90687	18 30 11.84	−18 43 42.9	5.63	H	277.549 346 40	−18.728 574 32		11.13	33.67	−90.48	0.75	0.53	0.80	0.83	0.63	− 1	−38	+ 0	+13	−11	+ 6	− 9	−10	− 7	− 7		0	0.21
*90689	18 30 12.08	+37 13 12.7	8.13	H	277.550 320 82	+37.220 202 21		2.92	9.84	−22.27	0.59	0.57	0.76	0.60	0.76	+ 5	−14	− 3	+11	+ 0	−10	− 1	− 9	+ 8	+ 4		0	−0.27
*90690	18 30 12.08	+08 51 18.2	8.67	H	277.550 320 29	+08.855 058 79		4.32	7.85	−11.08	0.96	0.70	1.26	1.17	0.96	− 2	−14	− 6	−23	+20	+ 0	+14	−28	+37	+ 6		0	−1.81
90691	18 30 14.26	−49 29 20.4	7.84	H	277.559 421 11	−49.488 988 97		4.36	1.78	−8.04	0.95	0.70	1.11	1.32	0.81	+32	−13	+13	+ 2	−53	−19	−38	−27	− 9	+61		4	0.63
90692	18 30 14.30	−05 43 26.9	6.27	G	277.559 573 04	−05.724 128 20		5.63	−2.22	−16.89	0.76	0.56	0.86	0.68	0.56	+20	−39	−16	−11	−21	+10	− 9	− 3	−22	−18		0	0.85
90693	18 30 14.78	+33 21 59.8	8.67	H	277.561 578 01	+33.366 613 73		6.17	−46.53	−31.14	0.68	0.69	0.92	0.72	0.84	+12	− 5	−13	+24	+11	−18	+12	−18	+13	+ 3		3	−0.19
90694	18 30 15.18	−38 25 01.0	9.88	H	277.563 252 82	−38.416 945 02		−2.53	3.01	− 8.25	1.56	1.04	1.80	2.08	1.31	−18	−24	+15	−22	+ 2	+16	+12	−53	− 7	+11		0	0.89
90695	18 30 15.25	+16 49 58.2	9.39	H	277.563 527 30	+16.832 819 75		1.90	1.41	− 8.97	0.82	0.78	1.25	0.99	0.99	−15	− 3	− 4	− 8	+20	− 6	+21	−17	+16	+ 3		0	−0.80
90696	18 30 16.20	+11 11 47.0	8.07	H	277.567 502 99	+11.196 400 06		2.69	−0.27	−2.26	0.89	0.65	1.23	1.24	0.90	+ 7	− 9	− 7	−27	− 1	−16	− 6	−39	+36	+ 3		0	0.07
90697	18 30 16.24	+21 52 00.6	7.57	3 H	277.567 667 80	+21.866 835 72	*	0.70	−3.36	1.38	0.70	0.67	1.09	0.79	0.82	+ 6	− 5	− 5	+50	+29	−11	+21	−10	+10	−13		0	1.69
90698	18 30 16.77	−36 49 24.9	8.47	H	277.569 894 00	−36.823 587 82		3.43	− 9.71	−21.92	1.12	0.68	1.40	1.48	1.00	−22	−34	+ 1	− 7	+ 7	+ 7	− 2	−43	+33	−13		0	−2.62

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55 56-7	58-61	62	63	64	65	66	67	68-70
90601	11.478	0.144	10.813	0.127	B	0.616	0.161	T	0.68	0.14	L	11.3622	0.1268			B				D	18293−0246 I 2	1 C I B							
90602	9.479	0.022	8.868	0.021	A	0.569	0.026	T	0.64	0.02	L	8.9651	0.0158	0.036	61	A	8.91	9.03		D	18293−0246 I 2	1 C P B							
90603	9.766	0.025	8.394	0.014		1.161	0.022	T	1.12	0.02	L	8.4169	0.0019	0.013	87		8.39	8.44		C	18293−4157 I 1	1							
90604	6.579	0.004	6.617	0.005		−0.019	0.013	G	0.00	0.01	H	6.6291	0.0009	0.008	102		6.61	6.64		C		1							S
90605	8.829	0.014	8.241	0.013		0.566	0.006	G	0.64	0.01	H	8.3003	0.0017	0.015	76		8.28	8.33		C		1							
90606	7.483	0.005	6.081	0.003		1.173	0.004	G	1.13	0.00	H	6.1167	0.0007	0.007	150		6.11	6.13				1							S
90607	10.309	0.027	9.070	0.016		1.057	0.025	T	1.02	0.02	L	9.1190	0.0020	0.018	122		9.09	9.16		C		1							
90608	10.603	0.038	9.984	0.036	*	0.573	0.038	T	0.65	0.04	L	* 9.9572	0.0030	0.027	92	*	9.91	10.00		D	18293−5119 I 1	2 C A	AB	182	0.627	0.005	0.64	0.02	G
90609	6.689	0.004	6.764	0.005		−0.064	0.006	T	−0.04	0.01	L	6.7620	0.0008	0.009	104		6.75	6.78		C		1							S
90610	6.650	0.007	6.649	0.007		0.002	0.009	T	0.02	0.01	L	6.6397	0.0031	0.033	57		6.57	6.66		U 2		1							S
90611	10.922	0.053	9.488	0.026		1.211	0.005	G	1.35	0.01	I	9.4865	0.0027	0.019	103		9.45	9.53		C		1							
90612	8.669	0.012	7.469	0.008		1.027	0.011	T	1.00	0.01	L	7.5122	0.0010	0.009	125		7.50	7.53				1							S
90613	8.701	0.013	8.499	0.016		0.193	0.019	T	0.21	0.02	L	8.5135	0.0023	0.015	65		8.49	8.55				1							
90614	10.405	0.037	9.762	0.033		0.590	0.037	T	0.66	0.03	L	9.7862	0.0031	0.025	84		9.73	9.82		C		1 S							G
90615	8.903	0.011	7.541	0.007		1.154	0.010	T	1.12	0.01	L	7.5814	0.0011	0.010	102		7.57	7.60		C		1							S
90616	10.994	0.040	10.335	0.036		0.618	0.020	G	0.69	0.02	H	10.4225	0.0021	0.026	154		10.35	10.48				1							G G
90617											T	11.8943	0.0192	0.101	35		11.41	12.01				1							G
90618	7.515	0.007	7.075	0.006		0.451	0.015	G	0.52	0.02	H	7.1108	0.0008	0.008	97		7.10	7.13		C		1							S
90619	10.642	0.080	9.303	0.041		1.200	0.038	G	1.16	0.04	H	9.3679	0.0030	0.016	49		9.34	9.40		C		1 S							G
90620	9.082	0.015	7.731	0.009		1.137	0.020	G	1.09	0.02	A	7.7697	0.0016	0.012	84		7.75	7.79		C		1							S
90621	8.477	0.010	7.830	0.009		0.600	0.012	T	0.67	0.01	L	7.8988	0.0008	0.009	116		7.88	7.91		D	18295+0722 I 1	1							S
90622	11.575	0.083	9.941	0.031		1.367	0.070	T	1.34	0.09	L	9.9904	0.0022	0.023	118		9.95	10.03				1							G
90623	8.598	0.007	8.522	0.008		0.075	0.010	T	0.09	0.01	L	8.5641	0.0015	0.024	253		8.52	8.61		U		1							
90624	8.218	0.008	8.098	0.009		0.116	0.011	T	0.13	0.01	L	8.1293	0.0011	0.013	101		8.11	8.15		C		1							S
90625	8.519	0.010	8.121	0.011		0.387	0.015	G	0.45	0.02	H	8.1640	0.0020	0.018	105		8.13	8.20				1							S
90626	9.907	0.021	8.788	0.014		0.976	0.015	G	1.02	0.01	I	8.7899	0.0014	0.016	133		8.76	8.82				1							
90627	9.877	0.021	9.312	0.020		0.529	0.026	T	0.60	0.03	L	9.3872	0.0027	0.028	129		9.33	9.43		U	18296+2958 I 2	1 S							
90628	10.474	0.037	9.758	0.031	*	0.645	0.036	T	0.71	0.03	L	* 9.8355	0.0023	0.018	88	*	9.79	9.87			18295−5053 I 1	2 C S A	AC	197	0.161	0.021	0.89	0.54	G
90629	9.782	0.017	9.320	0.017	*	0.449	0.019	T	0.52	0.02	L	* 9.2442	0.0031	0.025	127	*	9.19	9.29		D	18296−6734 I 1	2 C A	AB	35	0.935	0.007	1.19	0.03	
90630	11.161	0.062	10.412	0.051		0.685	0.063	T	0.74	0.05	L	10.6069	0.0042	0.029	96		10.56	10.65		C		1							G
90631	11.249	0.107	9.596	0.044		1.382	0.091	T	1.35	0.11	L	9.6541	0.0033	0.023	49		9.61	9.70		C		1							G
90632	9.819	0.020	9.161	0.018		0.610	0.023	T	0.68	0.02	L	9.2409	0.0043	0.043	127		9.18	9.31		U 2	18296+2958 I 2	1 G							
90633	9.014	0.018	8.547	0.018		0.440	0.023	T	0.51	0.02	L	8.6036	0.0018	0.016	60		8.58	8.63				1							
90634	9.924	0.025	9.329	0.023		0.555	0.025	T	0.63	0.02	L	9.3683	0.0032	0.023	85		9.33	9.40				1							
90635	8.260	0.007	7.961	0.008	*	0.284	0.010	T	0.32	0.01	L	* 8.0138	0.0014	0.014	177	*	7.99	8.04		C	18296+2603 H 1	2 C C	AB	199	0.754	0.044	4.20	0.20	S
90636	7.880	0.006	7.995	0.008		−0.100	0.009	T	−0.08	0.01	L	7.9982	0.0010	0.013	134		7.97	8.02				1							S
90637	5.745	0.002	5.856	0.002		−0.096	0.003	T	−0.08	0.00	L	5.8467	0.0007	0.007	208		5.84	5.86		M		1							S
90638	7.960	0.008	7.894	0.010		0.066	0.012	T	0.08	0.01	L	7.9327	0.0012	0.010	106		7.91	7.96				1							S
90639	6.989	0.005	7.031	0.006		−0.038	0.015	G	−0.02	0.01	H	7.0388	0.0010	0.007	76		7.03	7.05		C		1							S
90640	9.605	0.021	9.000	0.019	*	0.563	0.021	T	0.64	0.02	L	* 8.9922	0.0018	0.020	72	*	8.96	9.02		D	18296−4643 I 1	2 C A	AB	182	0.453	0.003	0.26	0.03	
90641	11.056	0.052	9.941	0.032	*	0.961	0.047	T	0.95	0.04	L	* 10.0358	0.0038	0.029	106	*	10.00	10.08			18297−4949 H 1	2 C A	AB	162	0.324	0.021	2.01	0.24	G
90642	6.602	0.006	5.490	0.003		0.961	0.004	G	0.95	0.00	H	5.5388	0.0010	0.006	63		5.53	5.55		C		1							S
90643	9.610	0.016	8.575	0.011	*	0.900	0.014	T	0.90	0.01	L	* 8.5958	0.0015	0.019	163	*	8.57	8.64		D	18297−6436 I 1	2 C A	AB	181	0.317	0.004	0.96	0.08	
90644	8.937	0.008	8.402	0.008		0.509	0.008	T	0.58	0.01	L	8.4620	0.0014	0.019	221		8.43	8.50				1							S
90645	8.515	0.011	8.224	0.011		0.279	0.015	G	0.32	0.02	H	8.2790	0.0014	0.012	108		8.26	8.30		C		1							S
90646	10.439	0.037	8.449	0.014		1.686	0.033	T	2.59	0.05	O	8.2090	0.0058	0.050	92		8.10	8.28		U 2		1 S							P
90647	7.185	0.006	5.774	0.004		1.192	0.006	T	1.15	0.01	L	5.8130	0.0006	0.005	112		5.80	5.83				1							S
90648	10.247	0.044	9.023	0.026		1.020	0.015	G	0.99	0.01	H	9.0257	0.0023	0.014	65		9.00	9.05		C		1 S							
90649	8.823	0.012	8.755	0.015		0.085	0.015	G	0.10	0.02	H	8.7866	0.0022	0.020	127		8.75	8.82				1							
90650	7.891	0.008	7.598	0.007		0.279	0.010	T	0.32	0.01	L	7.6436	0.0015	0.012	119		7.62	7.66				1							S
90651	6.026	0.005	6.025	0.004		0.006	0.006	T	0.03	0.01	L	6.0345	0.0009	0.006	54		6.03	6.05		C		1							S
90652	11.586	0.113	9.519	0.031		1.711	0.093	T	1.74	0.10	L	9.3579	0.0027	0.025	61		9.30	9.39		U		1							
90653	9.770	0.023	9.351	0.024		0.409	0.027	T	0.48	0.03	L	9.3878	0.0022	0.018	76		9.36	9.41		C		1							
90654	8.507	0.010	8.264	0.011		0.232	0.014	T	0.26	0.02	L	8.3057	0.0016	0.015	144		8.28	8.34		C		1							S
90655	9.565	0.026	8.891	0.023		0.613	0.026	T	0.68	0.02	L	8.9190	0.0021	0.015	66		8.89	8.94		C		1							
90656	9.457	0.019	8.187	0.012		1.074	0.014	G	1.14	0.01	A	8.1732	0.0017	0.013	63		8.15	8.20		C		1							
90657	8.419	0.009	7.932	0.009		0.465	0.021	G	0.54	0.02	H	7.9918	0.0008	0.011	124		7.97	8.01				1							S
90658											T	12.3465	0.0083	0.093	173		12.19	12.50		U		1							D
90659	9.128	0.011	8.215	0.009		0.803	0.005	G	0.83	0.00	H	8.2668	0.0011	0.013	169		8.25	8.29		C		1 O							
90660	8.867	0.014	8.348	0.014		0.566	0.015	G	0.64	0.01	H	8.3975	0.0023	0.014	68		8.37	8.43		C		1							
90661	9.421	0.026	9.227	0.031		0.186	0.038	T	0.20	0.04	L	9.2558	0.0055	0.033	49		9.22	9.32		U		1							G
90662	7.321	0.005	5.824	0.004		1.258	0.002	G	1.22	0.00	H	5.8513	0.0009	0.006	82		5.84	5.86		C		1							S
90663	10.130	0.017	9.552	0.016		0.543	0.017	T	0.62	0.02	L	9.6340	0.0022	0.030	228		9.58	9.68				1							
90664	7.005	0.006	5.857	0.004		0.987	0.003	G	0.97	0.00	H	5.9044	0.0008	0.006	73		5.89	5.91		C	18300−5731 I 1	1							S
90665	7.306	0.005	6.950	0.005		0.337	0.007	T	0.39	0.01	L	6.9935	0.0011	0.010	117		6.97	7.01				1							S
90666	9.177	0.012	8.019	0.008		0.994	0.011	T	0.97	0.01	L	8.0736	0.0014	0.019	177		8.05	8.11				1							
90667	8.939	0.010	8.839	0.013		0.097	0.015	T	0.11	0.02	L	8.8546	0.0019	0.021	155		8.82	8.89				1							S
90668	10.158	0.036	8.456	0.017		1.421	0.031	T	1.41	0.05	L	8.4832	0.0019	0.015	87		8.46	8.50		C		1							
90669	8.485	0.011	7.289	0.006		1.024	0.010	T	1.00	0.01	L	7.3406	0.0013	0.013	109		7.32	7.36		C		1							S
90670	10.613	0.073	8.466	0.021		1.680	0.015	G	1.66	0.01	J	8.3392	0.0028	0.018	70		8.32	8.37				1							
90671	7.704	0.016	7.746	0.017		0.010	0.015	G	0.03	0.01	H	7.7165	0.0052	0.083	68		7.68	8.08	1.75	P 1 A		1							S
90672											T	12.4749	0.0059	0.090	233		12.33	12.62				1							G
90673	8.852	0.012	7.691	0.008		0.997	0.011	T	0.98	0.01	L	7.7461	0.0015	0.011	107		7.73	7.77		C		1							
90674	7.667	0.008	7.163	0.007		0.496	0.015	G	0.57	0.02	H	7.2158	0.0016	0.010	89		7.20	7.23				1							S
90675	10.090	0.016	8.657	0.009		1.209	0.014	T	1.17	0.01	L	8.6674	0.0017	0.021	247		8.63	8.71				1 S							
90676	6.772	0.004	6.692	0.005		0.110	0.000	G	0.12	0.00	H	6.7078	0.0011	0.007	100		6.69	6.72			18301+0404 I 1	1 S							S
90677	12.050	0.190	11.056	0.119		0.870	0.167	T	0.88	0.12	L	11.0619	0.0047	0.037	80		10.88	11.12		U		1							G
90678	8.149	0.013	7.848	0.013		0.287	0.019	T	0.33	0.02	L	7.8906	0.0017	0.011	58		7.87	7.91				1							
90679	11.818	0.176	10.637	0.100		1.230	0.060	G	1.19	0.06	J	10.6276	0.0035	0.030	42		10.57	10.68		D		1							G
90680	9.663	0.022	9.177	0.022		0.415	0.015	G	0.48	0.02	H	9.2287	0.0027	0.016	58		9.19	9.26		C		1							
90681	11.349	0.064	9.467	0.021		1.564	0.053	T	1.58	0.05	L	9.3848	0.0023	0.024	126		9.36	9.44				1							
90683	10.498	0.039	9.249	0.023		1.050	0.015	G	1.02	0.01	J	9.3430	0.0019	0.016	108		9.32	9.38		C		1							
90684						1.580	0.139	G	1.55	0.14	J	10.6505	0.0052	0.025	45		10.58	10.71		C		1							G
90685	9.717	0.020	9.307	0.020		0.388	0.026	T	0.45	0.03	L	9.3478	0.0028	0.020	107		9.30	9.38				1							
90686	9.678	0.015	9.119	0.014	*	0.528	0.016	T	0.60	0.02	L	* 9.1809	0.0023	0.025	161	*	9.15	9.23		D	18302−7641 H 1	2 C A	AB	301	0.358	0.009	1.68	0.11	
90687	6.996	0.006	5.751	0.005		1.057	0.003	G	1.02	0.00	H	5.7947	0.0006	0.005	57		5.79	5.80		C		1							S
90689	9.415	0.016	8.251	0.011		0.999	0.015	T	0.98	0.01	L	8.2993	0.0015	0.017	139		8.27	8.33				1							S
90690	9.051	0.013	8.703	0.014		0.330	0.018	T	0.38	0.02	L	8.7520	0.0025	0.024	120		8.71	8.78				1							
90691	8.427	0.010	7.896	0.010		0.501	0.015	G	0.57	0.02	H	7.9535	0.0014	0.012	118		7.93	7.98		C		1							S
90692	7.473	0.009	6.374	0.006		0.953	0.006	G	0.94	0.00	H	6.4258	0.0013	0.007	56		6.41	6.44		C		1							S
90693	9.420	0.014	8.736	0.012		0.632	0.015	T	0.70	0.01	L	8.8061	0.0017	0.019	127		8.77	8.85		C		1							
90694	11.769	0.123	10.070	0.042		1.430	0.095	T	1.44	0.10	L	9.9955	0.0031	0.031	93		9.95	10.04				1							G
90695	9.485	0.017	9.399	0.023		0.084	0.027	T	0.10	0.03	L	9.4272	0.0020	0.021	111		9.39	9.48		C		1							
90696	8.116	0.008	8.085	0.009		0.033	0.011	T	0.05	0.01	L	8.0868	0.0017	0.018	111		8.06	8.12		C		1							S
90697	8.433	0.035	7.697	0.029		0.727	0.033	T	0.71	0.03	L	7.6829	0.0410	0.430	144		7.42	8.49	75.30	P 1 B		1 V							S P
90698	9.792	0.027	8.554	0.016		1.057	0.025	T	1.02	0.02	L	8.6344	0.0018	0.017	107		8.61	8.66				1							
90699	10.951	0.039	9.706	0.022		1.062	0.035	T	1.03	0.03	L	9.7961	0.0022	0.028	182		9.75	9.85				1							
90700						1.550	0.020	G	1.62	0.03	J	10.6176	0.0060	0.032	44		10.56	10.66				1							G

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)																		Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	F1	F2
	h m s	±° ′ ″	mag		deg	deg	mas	mas/yr		mas		mas	mas/yr		α*	α*	δ	α*	δ	π	α*	δ	π	$\mu_{\alpha*}$	%	
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
90701	18 30 19.30	−12 35 28.5	8.88	H	277.580 422 78	−12.591 251 54	2.34	2.43	−9.37	1.17	0.93	1.30	1.33	1.03	− 8	−19	−17	−13	+ 7	− 7	+ 9	−23	−16	−13	6	1.70
90702	18 30 19.98	+31 35 51.6	8.32	H	277.583 240 59	+31.597 663 69	2.50	−6.35	1.80	0.66	0.63	0.96	0.77	0.79	− 8	−16	− 2	− 5	+13	−15	+11	−23	+22	− 1	1	1.04
90703	18 30 21.25	−63 09 06.6	7.90	H	277.588 535 77	−63.151 834 36	3.81	−5.93	2.11	0.69	0.61	0.91	0.96	0.72	−21	−10	− 8	+38	−15	+ 1	−10	+12	+ 2	− 4	0	−0.74
90704	18 30 23.84	−66 56 08.7	7.56	H	277.599 316 11	−66.935 743 19	2.92	2.95	−17.77	0.60	0.67	0.88	0.68	0.69	+ 7	−21	− 4	−16	− 5	+ 9	− 3	−31	−10	+ 1	0	−1.32
90705	18 30 24.07	−24 03 47.8	8.32	H	277.600 289 18	−24.063 286 81	3.00	0.52	−10.55	1.09	0.75	1.12	1.25	0.91	−23	−27	− 2	+11	+ 9	−11	+ 4	− 6	+21	−16	0	0.27
90706 H	18 30 24.56	−35 48 17.0	10.86	H	277.602 348 08	−35.804 727 75	A 27.82	212.47	−316.71	3.90	2.38	4.32	4.77	3.06	−25	−13	− 2	−11	+13	+ 5	+13	−52	+17	−18	1	0.57
90707	18 30 24.87	+01 13 23.7	9.85	G	277.603 640 83	+01.223 249 80	3.90	3.50	−5.40	1.93	1.36	1.79	1.68	1.29	−32	−14	−26	−50	+42	− 7	+41	−35	− 6	−10	0	−0.34
90708	18 30 25.64	+35 43 38.3	9.18	H	277.606 845 59	+35.727 313 29	15.43	−21.67	90.31	0.78	0.70	1.00	0.90	0.87	+ 5	−15	+ 2	+ 5	+ 1	−19	+ 3	+ 2	− 9	− 1	0	1.20
90709	18 30 26.05	−16 53 49.3	9.23	2 H	277.608 533 78	−16.897 038 17	* 5.92	7.93	−0.15	2.07	1.25	2.86	2.84	1.78	− 3	−55	−34	− 9	+22	+ 1	+14	−28	+ 0	−50	0	2.60
90710	18 30 26.31	−20 57 06.4	10.98	G	277.609 645 10	−20.951 776 14	−0.65	−0.24	−1.33	3.18	1.82	3.20	3.88	2.31	+ 3	−42	−28	+40	−25	+ 9	−26	+11	−13	−40	0	0.33
90711	18 30 27.02	−30 34 13.2	11.59	H	277.612 602 32	−30.570 329 24	−4.59	−17.63	−9.30	4.02	2.87	4.49	5.82	3.46	+ 0	−22	−17	−26	+36	−35	+20	−61	+15	−24	0	−0.77
90712	18 30 27.90	−44 27 55.4	9.90	H	277.616 253 01	−44.465 389 05	7.89	−12.28	−112.19	1.32	0.92	1.48	1.75	1.09	−11	−23	+ 0	+ 9	+ 7	+ 5	+ 4	−16	+ 1	−19	0	−0.30
90713	18 30 29.16	−23 15 02.3	6.99	H	277.621 501 35	−23.250 635 47	0.90	−2.12	−3.28	0.89	0.60	0.92	1.06	0.68	−15	−31	−22	+27	− 7	−15	−18	− 7	+15	−38	3	0.76
90714	18 30 30.35	−59 17 31.5	7.81	2 H	277.626 445 37	−59.292 080 29	0.22	9.31	−22.77	0.74	0.63	0.92	0.94	0.74	− 5	− 9	− 2	+24	+ 0	+ 9	− 2	+21	+23	− 1	0	1.98
90715 H	18 30 31.02	−28 47 42.9	7.76	H	277.629 232 00	−28.795 252 17	* 6.84	−7.92	−16.24	1.00	0.56	1.07	1.11	0.63	+10	−40	+ 0	+17	+30	− 1	+20	−32	+ 5	+ 2	0	−0.41
90716	18 30 31.58	+32 38 30.4	7.60	H	277.631 593 05	+32.641 772 23	7.08	−8.18	15.19	0.52	0.50	0.71	0.57	0.67	+11	−30	−13	+16	+ 5	−10	+ 0	−19	+19	+10	1	0.55
90717 H	18 30 32.26	−10 51 50.4	7.95	G	277.634 402 71	−10.864 003 87	* 8.24	−4.05	15.80	2.31	2.43	1.32	1.17	0.96	+44	−21	− 5	+ 3	+ 2	− 8	− 2	−15	+ 0	+13	0	0.96
90718	18 30 32.43	+23 15 08.6	8.43	H	277.635 105 16	+23.252 390 82	2.23	−5.18	−9.47	0.45	0.72	1.13	0.62	0.88	+13	+ 5	+10	+21	+ 9	+15	+ 9	−13	+17	+19	1	−0.28
90719	18 30 32.82	+50 10 47.7	8.93	H	277.636 750 92	+50.179 904 06	2.42	8.55	0.68	0.73	0.79	0.86	0.90	1.06	− 8	−10	−34	− 1	+ 7	− 6	+ 5	− 5	+16	−21	0	0.32
90720	18 30 32.85	+40 58 32.9	6.99	H	277.636 871 07	+40.975 813 59	3.18	−0.45	−17.95	0.52	0.49	0.62	0.63	0.84	+ 3	− 8	− 9	+ 4	+ 4	−14	+ 3	− 2	− 5	− 9	1	−1.32
90721	18 30 33.18	−20 17 14.9	7.99	H	277.638 265 23	−20.287 475 29	5.76	−41.45	−23.84	1.25	0.86	1.35	1.61	1.10	+ 5	−38	−37	+33	+13	−24	+ 1	+ 1	+ 7	−12	4	0.90
90722	18 30 33.88	+48 17 52.9	8.17	H	277.641 171 66	+48.298 026 60	4.25	10.50	−13.15	0.58	0.59	0.65	0.60	0.65	+ 9	−16	− 9	+ 5	+ 0	+10	+ 0	+12	+ 5	+16	0	−0.69
90723	18 30 34.58	+36 14 57.0	7.42	2 H	277.644 071 63	+36.249 171 76	1.83	−2.74	−0.89	0.52	0.50	0.67	0.58	0.68	+ 1	− 3	+ 4	+10	+11	− 8	+13	−14	− 7	− 5	0	0.16
90724 H	18 30 35.71	−36 24 23.8	9.09	H	277.648 793 18	−36.406 617 06	A 34.32	42.79	−2.40	6.74	6.17	4.97	10.14	7.72	+59	+ 3	+17	−70	−79	−23	−66	−91	− 3	+83	31	1.69
90725	18 30 36.41	−31 24 51.5	9.81	H	277.651 695 13	−31.414 307 01	0.93	−0.32	−0.41	1.60	1.19	1.97	2.44	1.35	+ 2	− 4	− 9	−16	+15	−47	+ 4	−53	+12	−22	0	−1.60
90726	18 30 37.00	+00 22 47.9	8.36	H	277.654 169 68	+00.379 963 31	8.02	−1.71	−9.94	0.98	0.83	1.13	0.91	0.77	+ 6	−19	−28	−35	+ 0	+10	+ 3	−32	+ 1	+ 0	0	−0.05
90727	18 30 39.26	+12 36 40.3	7.26	3 H	277.663 570 89	+12.611 188 53	4.35	6.77	6.43	0.81	0.58	1.01	0.94	0.74	+17	−45	−29	−32	+ 2	+ 5	−13	−49	+35	+11	2	−0.80
90728	18 30 41.17	+04 30 39.0	6.95	H	277.671 560 48	+04.510 846 27	8.07	−11.03	−4.52	0.63	0.47	0.80	0.67	0.55	+27	−31	−26	−18	+16	+ 3	+13	−24	+13	− 3	0	0.34
90729	18 30 41.64	+20 48 56.5	6.49	H	277.673 505 31	+20.815 687 35	27.92	16.29	−263.84	0.39	0.39	0.67	0.41	0.43	+ 1	+ 4	− 9	+40	+32	−12	+31	+ 4	+15	− 7	1	1.92
90730	18 30 42.33	−49 48 35.5	9.12	H	277.676 362 87	−49.809 857 97	2.37	6.22	−8.94	1.22	0.95	1.51	1.62	1.03	+27	−10	+25	+ 5	−55	−30	−38	−25	−20	+55	2	−1.61
90731	18 30 43.25	−49 39 35.5	8.93	H	277.680 193 19	−49.659 848 51	2.19	28.32	−24.48	1.36	1.06	1.54	1.76	1.10	+48	− 4	+19	−13	−61	−25	−49	−43	−18	+64	2	2.19
90732	18 30 43.70	−52 40 09.8	9.84	H	277.682 075 09	−52.669 375 62	15.52	122.50	3.13	1.60	1.10	1.70	1.73	1.39	+30	−48	−21	+ 2	−39	+ 5	−42	−30	+20	+30	0	−0.66
90733	18 30 43.97	+61 10 05.3	9.77	H	277.683 197 65	+61.168 128 66	0.28	1.90	4.54	0.96	0.83	0.97	1.12	0.84	+ 5	− 3	−13	−23	+13	+ 5	+ 8	− 4	− 3	+26	0	0.76
90734	18 30 45.50	−72 26 11.1	9.36	H	277.689 588 25	−72.436 427 10	6.88	9.67	−41.71	0.69	0.88	1.23	0.74	0.89	− 6	− 5	− 6	+18	−10	−19	−12	+ 0	+ 0	−10	2	2.06
90735	18 30 47.74	+41 35 44.7	8.88	H	277.698 895 97	+41.595 754 79	1.20	−2.57	−13.70	0.74	0.81	0.93	0.86	1.33	− 3	− 2	− 8	−15	+10	−11	+15	− 1	+ 0	−19	0	−1.10
90736	18 30 48.44	+40 29 18.5	7.81	H	277.701 812 61	+40.488 480 94	7.67	12.98	−66.27	0.54	0.60	0.68	0.58	0.85	+ 7	− 2	+ 4	+ 8	+ 1	−14	+ 0	−26	+ 2	+ 2	0	0.21
90737	18 30 49.29	−04 37 07.8	9.37	H	277.705 382 07	−04.618 842 96	3.85	3.08	−6.86	1.18	0.95	1.27	1.19	1.03	+29	−13	− 6	−24	−12	+ 4	−10	−23	−12	+33	0	0.94
90738	18 30 49.49	+03 09 16.4	7.82	H	277.706 219 17	+03.154 568 41	2.68	−3.87	−6.19	0.89	0.72	1.10	0.88	0.72	+ 5	−29	−41	−26	+ 7	+30	+21	− 6	+ 7	− 8	0	0.08
90739	18 30 53.66	−27 57 06.3	7.73	H	277.723 586 85	−27.951 750 51	1.63	8.67	−1.74	0.91	0.58	1.06	1.11	0.65	+ 6	−30	−28	+ 4	+37	−16	+12	−49	+27	−30	0	0.61
90740	18 30 54.48	−58 35 26.5	8.69	H	277.727 013 47	−58.590 694 63	2.64	3.87	−37.73	1.07	0.77	1.10	1.36	0.93	−33	−14	− 3	+22	−15	− 3	−15	+ 0	+12	−33	0	−0.29
90741	18 30 54.56	+08 04 42.4	7.55	2 H	277.727 352 53	+08.078 457 48	1.97	−6.53	−10.20	0.88	0.66	1.00	1.08	0.86	+30	+ 0	− 3	− 1	+27	+ 8	+28	−12	+27	+39	2	−0.91
90742	18 30 55.33	+00 25 46.4	8.72	H	277.730 555 98	+00.429 552 68	9.76	16.10	6.20	1.01	0.81	1.11	0.98	0.83	− 5	−17	−17	−23	+ 9	+ 1	+ 9	−27	+ 0	−12	0	−0.04
90743 H	18 30 56.30	−48 00 53.1	6.60	H	277.734 565 23	−48.014 761 79	A 14.82	−54.89	−20.63	0.87	0.67	0.97	1.13	0.84	+ 6	−14	−18	+ 6	− 4	+ 0	− 9	−24	+23	− 2	2	0.02
90744	18 30 57.23	+41 53 47.2	8.94	H	277.738 447 36	+41.896 451 90	A 4.42	15.07	−13.64	2.46	3.08	2.43	2.51	4.28	+ 7	− 6	−13	− 4	+ 3	−10	+ 2	−10	− 2	− 3	3	2.05
90745	18 30 57.65	+33 55 57.5	8.34	H	277.740 202 74	+33.932 639 74	14.21	−137.40	148.71	0.57	0.62	0.80	0.67	0.84	− 7	−13	− 5	+ 6	+ 4	−16	+ 5	−30	+15	+ 1	2	0.57
90746 H	18 30 57.75	+31 14 44.0	8.58	H	277.740 636 17	+31.245 560 25	A 1.12	7.49	−7.33	1.07	1.07	1.36	1.11	1.21	+ 6	− 9	− 6	+35	+ 8	−11	+ 7	− 9	+14	+ 6	1	1.69
90747	18 30 57.84	+41 06 23.1	7.27	H	277.740 992 03	+41.106 405 92	11.52	−24.94	22.88	0.53	0.50	0.63	0.66	0.80	+ 6	−16	−18	+ 1	+ 7	−16	+ 5	−12	− 2	− 5	0	1.39
90748 H	18 30 58.45	+01 23 30.8	8.41	H	277.743 542 05	+01.391 885 48	A 1.16	4.23	−5.61	4.13	3.19	3.36	3.74	3.35	−22	+12	−33	−23	+26	−35	+18	−12	+10	+30	1	2.79
90749	18 30 58.83	−16 34 24.5	8.47	G	277.745 127 38	−16.573 464 56	3.36	−1.11	−1.50	1.31	0.92	1.42	1.60	1.20	−19	−26	−30	+ 2	+35	−15	+22	−23	+33	−32	0	0.54
∗90750	18 30 59.04	+41 53 39.8	12.10	H	277.746 005 50	+41.894 395 23	B 4.42	15.07	−13.64	193.26	210.73	2.43	2.51	4.28	− 2	+ 0	+ 0	+ 0	+ 0	−10	+ 0	+ 0	− 2	− 3	3	2.05
∗90751	18 30 58.98	+21 39 17.0	7.41	H	277.745 753 71	+21.654 729 65	5.08	1.58	−38.03	0.55	0.52	0.88	0.58	0.65	− 3	− 7	+10	+52	+21	+ 3	+18	+12	− 3	−21	0	−0.75
90752	18 30 59.44	+38 06 39.6	9.48	H	277.747 677 61	+38.110 997 35	3.16	1.45	−1.60	0.93	0.81	1.06	1.23	1.06	+17	−18	− 5	+37	+ 8	− 4	+11	−15	+17	+31	0	−0.09
90753 H	18 30 59.55	−55 32 54.9	9.35	H	277.748 119 01	−55.548 588 27	A 16.34	10.95	8.67	2.70	2.23	3.18	2.77	2.04	+21	−25	−28	+ 7	−12	−11	−18	− 6	+12	+10	1	1.11
90754	18 31 00.25	+53 09 51.9	9.55	H	277.751 030 38	+53.164 403 90	1.99	7.10	24.95	0.92	0.78	0.91	0.96	0.84	+13	−15	− 6	−14	+ 9	−15	+ 7	− 2	− 2	+23	0	1.31
90755	18 31 01.46	+05 45 09.1	7.81	G	277.756 078 55	+05.752 526 27	5.42	−11.72	−7.38	0.80	0.57	0.91	0.87	0.74	+32	−15	+ 0	− 3	+28	+15	+32	− 7	+10	+28	0	0.31
90756	18 31 02.19	−24 53 31.2	7.56	H	277.759 138 45	−24.892 007 95	0.46	0.01	−7.35	1.12	0.85	1.21	1.36	1.06	−34	−19	−24	−15	+32	−30	+18	−43	+41	−37	0	1.09
90757	18 31 02.31	−54 38 45.4	7.97	H	277.759 631 70	−54.645 949 19	10.00	−58.78	−34.51	0.92	0.74	1.20	1.02	0.73	− 3	−24	−27	+18	−31	+ 5	−29	− 9	+15	− 3	0	−0.19
90758	18 31 02.75	−63 02 27.6	7.98	H	277.761 475 55	−63.041 012 41	6.35	7.24	11.82	0.77	0.63	0.99	1.02	0.72	−18	−23	+ 2	+42	−18	− 4	−10	+ 5	+ 5	− 1	0	−0.32
90759	18 31 02.95	−41 54 49.5	6.02	H	277.762 297 16	−41.913 757 27	12.76	−2.99	−31.45	0.67	0.48	0.78	0.84	0.53	+ 1	−27	−15	− 3	− 3	−14	−13	−39	+14	−22	4	0.91
90760	18 31 03.00	+73 05 00.8	8.18	G	277.762 496 35	+73.083 559 59	16.68	62.31	102.64	0.61	0.59	0.65	0.68	0.70	+10	−26	+ 5	+ 5	− 2	−22	+ 2	+ 5	−13	+29	3	0.81
90761	18 31 04.45	+04 37 37.1	7.73	2 G	277.768 540 68	+04.626 977 46	1.06	−0.55	−8.51	0.71	0.51	0.92	0.72	0.60	+29	−39	−22	−24	+12	+ 5	+ 9	−32	+ 9	+ 2	0	−0.27
90762	18 31 04.47	+16 55 43.0	5.76	H	277.768 619 12	+16.928 606 39	7.88	−33.04	−20.79	0.48	0.41	0.67	0.58	0.53	− 7	−14	−18	−14	+13	− 1	+13	−27	+16	+ 9	1	0.18
90763 H	18 31 04.85	−32 59 20.4	5.37	G	277.770 188 39	−32.989 001 40	A 9.32	−1.48	−46.53	1.24	0.92	1.38	1.33	0.81	+31	−29	−45	− 6	+25	−47	−17	−56	+43	−23	2	0.65
90764	18 31 05.32	+28 29 45.0	7.64	H	277.772 171 94	+28.495 839 03	3.42	6.85	9.92	0.49	0.49	0.75	0.61	0.61	− 6	− 5	− 3	− 2	+21	− 8	+18	− 2	+27	− 7	0	0.13
90765	18 31 05.87	−32 12 43.3	11.29	G	277.774 475 21	−32.212 038 37	2.97	−7.41	−12.03	2.65	1.97	3.43	3.59	2.12	+22	−30	−34	− 3	+26	−44	− 6	−58	+27	−23	0	−0.26
90766 H	18 31 06.94	+32 14 43.4	7.45	H	277.778 918 63	+32.245 385 78	A 2.09	−0.75	−1.91	1.03	0.87	1.18	1.03	1.01	+18	−38	−11	+ 7	− 4	− 1	−14	−18	+17	+ 5	4	1.22
90767 H	18 31 07.92	+45 27 23.3	8.79	H	277.782 982 58	+45.456 470 24	A 2.44	37.64	3.59	2.19	3.81	1.09	1.08	1.28	−14	+ 9	+ 2	+ 9	+ 2	+ 3	+ 1	+11	− 5	+ 8	1	−0.15
90768	18 31 08.65	−05 47 22.2	7.37	1 G	277.786 030 61	−05.789 507 64	2.57	−7.12	−9.84	0.83	0.62	0.92	0.77	0.62	+18	−30	−15	−23	−19	+ 6	−12	−16	−17	−21	0	−0.83
90769	18 31 08.85	−53 31 39.3	7.46	H	277.786 880 18	−53.527 571 64	1.93	−3.21	−15.36	0.85	0.67	0.99	0.98	0.75	+ 8	−17	− 5	+20	−40	− 1	−34	−10	−18	+ 9	4	0.83
90770	18 31 09.66	+25 09 47.8	7.81	2 H	277.790 239 08	+25.163 275 12	1.32	4.81	−1.74	0.50	0.68	1.05	0.59	0.90	+ 3	−16	+15	+11	+19	+13	+21	+17	− 5	− 8	0	−1.40
∗90771 H	18 31 10.68	+66 07 34.5	9.04	H	277.794 490 01	+66.126 263 82	A 1.28	13.68	−0.83	1.20	1.34	1.25	1.02	1.44	+ 1	−16	−41	−31	+11	− 4	+11	−12	+ 2	+ 1	0	1.15
∗90772	18 31 10.57	−32 17 23.7	8.02	G	277.794 036 26	−32.289 915 50	5.18	15.93	−59.38	1.04	0.79	1.36	1.59	0.90	+ 5	−18	−28	−10	+26	−49	+ 0	−57	+24	−38	0	0.06
90773	18 31 10.93	−64 07 31.4	9.12	2 H	277.795 545 83	−64.125 388 29	4.95	2.72	7.60	0.62	0.67	1.14	0.87	0.81	− 9	+ 5	−22	− 6	+24	−11	+18	− 2	+ 9	+36	0	0.73
90774	18 31 11.11	−11 53 24.8	9.02	H	277.796 294 73	−11.890 217 98	4.71	11.43	−14.34	1.32	0.98	1.46	1.43	1.15	− 4	+ 2	+ 7	+10	−18	− 6	−19	−24	−35	− 9	5	0.37
90775	18 31 11.47	−36 48 33.2	6.98	H	277.797 771 61	−36.809 229 62	11.03	40.80	2.75	0.80	0.48	0.96	1.04	0.67	−12	−31	− 5	+ 6	+ 1	+13	− 5	−29	+26	− 7	0	−0.47
90776	18 31 11.64	+35 02 43.9	8.21	H	277.798 517 42	+35.045 537 82	2.55	−2.79	−2.05	0.58	0.51	0.73	0.71	0.63	+ 1	−15	+ 5	+15	+ 1	−16	+ 4	− 5	− 1	+12	1	0.20
90777	18 31 12.96	+13 10 55.5	8.17	H	277.803 981 68	+13.182 069 94	A 0.99	3.88	−21.21	2.57	1.99	2.50	2.88	2.41	+18	−23	−34	−34	+ 3	−18	−15	−58	+39	− 7	9	1.52
90778	18 31 13.22	+13 10 39.1	9.88	H	277.805 070 28	+13.177 535 99	B −7.01	10.25	−13.27	16.34	12.72	10.21	9.99	9.53	+20	−31	−35	−18	+ 5	−22	−20	−53	+46	−16	9	1.52
90779	18 31 14.25	−52 27 39.3	8.23	H	277.809 394 25	−52.460 916 29	3.79	−5.50	−22.34	0.93	0.66	1.13	0.97	0.79	+21	−48	−24	+ 5	−39	+13	−42	−15	+24	+23	0	1.66
90780	18 31 14.91	+65 26 09.1	6.60	H	277.812 133 66	+65.435 854 16	7.37	−11.94	69.85	0.49	0.49	0.52	0.53	0.65	+ 8	−21	− 7	− 9	+11	+ 3	+ 8	+ 7	+11	+18	0	−1.45
90781	18 31 15.03	+33 37 49.8	7.37	H	277.812 634 64	+33.630 504 21	5.63	−26.95	−51.15	0.52	0.51	0.71	0.56	0.68	− 1	+ 4	−22	+ 4	+12	−12	+15	−30	+31	+ 6	2	0.33
90782	18 31 16.50	−43 50 43.9	7.77	H	277.818 755 97	−43.845 533 42	6.06	−38.95	−74.66	0.82	0.60	0.96	1.11	0.70	− 6	−16	−21	− 9	+ 8	−10	− 2	−43	+13	−33	0	−0.58
90783	18 31 17.21	+57 02 26.7	9.76	H	277.821 728 74	+57.040 737 80	5.14	−7.26	38.09	0.92	0.99	0.96	1.11	1.26	+ 4	+ 0	− 4	+12	+ 3	+ 4	+ 5	+39	− 2	+ 0	0	−0.47
90784	18 31 17.66	−14 06 50.3	8.75	G	277.823 596 71	−14.113 970 31	3.35	1.56	−1.31	1.14	0.89	1.19	1.45	1.16	+26	−16	− 6	+26	+28	+14	+28	+19	+16	+51	0	2.01
90785	18 31 18.27	−66 26 46.3	8.66	H	277.826 135 03	−66.446 185 07	6.88	21.21	−16.50	0.64	0.80	1.06	0.66	0.81	+12	− 9	−12	−24	− 3	+ 3	− 2	−23	− 7	+21	0	0.92
∗90786	18 31 18.49	+27 50 22.0	8.80	H	277.827 028 40	+27.839 453 14	2.51	−2.37	−3.05	0.67	0.72	1.09	0.77	0.82	− 3	− 7	+11	− 4	+26	+ 0	+25	+13	+ 9	+ 3	0	−0.22
∗90787 H	18 31 18.36	−48 21 27.8	9.26	H	277.826 485 95	−48.357 711 03	A 1.57	−8.57	−14.94	3.09	2.37	3.61	3.57	2.69	+19	− 6	− 5	+11	−19	− 9	−18	− 9	+ 9	+23	1	1.35
90788	18 31 18.76	−17 46 55.2	8.99	H	277.828 178 12	−17.782 012 93	12.01	60.65	−75.06	1.19	0.90	1.39	1.55	1.15	+10	−26	−37	+ 9	− 3	+11	− 9	−16	+12	−26	0	0.58
90789 H	18 31 19.00	+62 32 16.3	7.19	H	277.829 157 12	+62.537 849 23	A 7.88	4.85	51.12	0.81	0.76	0.74	0.84	0.80	+ 3	+ 2	+21	+ 9	+17	+17	+10	+28	+ 1	+19	2	0.98
90790	18 31 19.05	−18 54 30.0	6.81	G	277.829 359 04	−18.908 338 68	75.71	−140.13	−194.59	0.85	0.59	0.89	0.94	0.72	− 1	−41	− 6	+18	− 7	+ 4	− 6	− 1	− 1	− 7	0	−0.34
90791	18 31 19.75	−13 06 29.4	9.88	3 T	277.832 282 14	−13.108 170 04	0.97	−1.10	−2.46	1.34	1.05	1.46	1.50	1.18	− 9	−14	− 2	+ 4	+ 2	+ 6	+ 5	−11	−22	−10	5	0.11
90792	18 31 20.36	−38 34 16.5	9.03	H	277.834 836 40	−38.571 262 72	7.17	−5.29	52.90	1.26	0.84	1.39	1.56	0.98	− 5	−25	+ 7	−17	− 3	+ 1	+ 3	−48	− 9	+ 6	0	2.68
90793	18 31 20.45	−23 18 56.4	7.66	H	277.835 224 47	−23.315 676 08	4.29	2.63	1.19	1.03	0.69	1.06	1.47	1.00	− 3	−19	−17	+38	− 2	+ 0	− 7	+11	+22	−12	0	1.53
90794	18 31 21.08	+52 26 43.2	8.45	H	277.837 819 66	+52.445 330 37	1.86	−15.61	35.49	0.75	0.62	0.73	0.85	0.69	+ 7	+ 3	−19	−21	+12	−14	+ 8	− 7	+ 9	+15	0	1.43
90795	18 31 22.02	−00 28 55.0	7.07	H	277.841 738 97	−00.481 956 55	4.06	1.76	−3.12	0.77	0.60	0.86	0.79	0.64	− 8	−27	−22	− 2	+ 4	+11	+ 7	+ 4	− 3	−12	3	−0.56
90796	18 31 22.18	−48 20 57.9	8.96	H	277.842 426 94	−48.349 426 59	0.96	3.57	8.14	1.24	0.93	1.65	1.62	1.14	+19	−12	+ 4	+ 6	−22	−10	−19	−17	+14	+32	0	−0.46
90797	18 31 22.43	−62 16 41.5	4.63	1 G	277.843 443 94	−62.278 191 16	6.81	−0.96	−45.59	0.61	0.48	0.75	0.69	0.49	− 5	−33	−15	+24	−15	−12	−17	−12	+ 7	−14	0	−0.78
90798	18 31 23.05	−12 20 16.

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
90701	9.208	0.024	8.938	0.028		0.257	0.035	T	0.29	0.04	L	8.9513	0.0031	0.019	54		8.92	8.98					1							
90702	9.915	0.020	8.428	0.011		1.252	0.018	T	1.21	0.02	L	8.4759	0.0020	0.021	136		8.44	8.51					1							
90703	9.642	0.017	8.030	0.008		1.350	0.015	T	1.32	0.02	L	8.0474	0.0015	0.014	128		8.03	8.07					1							
90704	7.592	0.007	7.570	0.008		0.020	0.009	T	0.04	0.01	L	7.5759	0.0013	0.012	121		7.56	7.60		C			1							S
90705	8.670	0.018	8.364	0.020		0.291	0.025	T	0.33	0.03	L	8.3929	0.0023	0.015	51		8.36	8.41					1							
90706						1.350	0.020	G	1.57	0.04	I *	10.9677	0.0044	0.038	94	*	10.91	11.02		D	18304−3548	M 1	2 C B	AB	69	4.701	0.040	1.98	0.14	G
90707	10.536	0.061	9.880	0.053		0.580	0.015	G	0.65	0.01	H	9.9721	0.0021	0.021	53		9.92	10.00		D			1							D
90708	9.948	0.024	9.230	0.020		0.660	0.025	T	0.72	0.02	L	9.3130	0.0027	0.024	114		9.27	9.35					1							
90709	13.036	0.644	9.974	0.063							T	9.3630	0.0309	0.147	48		9.23	9.65		U 2			1 V							
90710						1.440	0.042	G	1.44	0.07	H	10.9910	0.0060	0.033	45		10.90	11.04		C			1							G
90711											T	11.7316	0.0072	0.055	65		11.64	11.81					1 S							D
90712	10.809	0.051	10.027	0.039		0.695	0.049	T	0.75	0.04	L	10.0377	0.0024	0.023	84		9.98	10.07		C			1 S							G
90713	8.924	0.018	7.145	0.009		1.482	0.016	T	1.50	0.02	L	7.1164	0.0016	0.008	56		7.10	7.13		C	18305−2315	I 1	1							S
90714	10.018	0.025	8.015	0.010		1.696	0.022	T	2.10	0.06	O	7.8855	0.0019	0.021	83		7.85	7.94		U 2			1							
90715	8.028	0.008	7.804	0.009	*	0.214	0.011	T	0.24	0.01	L *	7.8309	0.0015	0.013	107	*	7.82	7.85		C	18305−2848	H 1	2 C S A	AB	197	0.138	0.005	0.23	0.31	S
90716	7.761	0.006	7.632	0.008		0.125	0.009	T	0.14	0.01	L	7.6472	0.0009	0.011	127		7.63	7.67					1							S
90717	8.525	0.015	7.996	0.015	*	0.538	0.015	G	0.61	0.02	H *	8.0540	0.0017	0.010	63	*	8.03	8.07		D	18305−1052	H 1	2 C A	AB	16	0.279	0.013	1.67	0.14	
90718	9.814	0.012	8.524	0.008		1.097	0.011	T	1.06	0.01	L	8.5934	0.0013	0.020	254		8.56	8.63		C			1 S							
90719	10.254	0.031	9.043	0.019		1.036	0.028	T	1.01	0.02	L	9.1007	0.0012	0.014	101		9.07	9.14					1							
90720	8.585	0.011	7.130	0.006		1.227	0.010	T	1.19	0.01	L	7.1583	0.0009	0.008	95		7.14	7.17					1							S
90721	9.590	0.027	8.164	0.015		1.204	0.024	T	1.16	0.02	L	8.1582	0.0026	0.012	43		8.13	8.18					1							
90722	8.362	0.008	8.187	0.009		0.168	0.011	T	0.18	0.01	L	8.2272	0.0020	0.014	116		8.20	8.26					1							S
90723	9.495	0.018	7.641	0.008		1.574	0.016	T	2.36	0.04	O	7.4571	0.0027	0.029	118		7.40	7.51		U 2			1							S
90724	10.189	0.036	9.606	0.035	A	0.261	0.100	G	0.29	0.12	R *	9.1583	0.0025	0.022	112	*	9.12	9.20		D	18306−3624	H 1	2 C C	AB	270	4.938	0.015	0.42	0.06	
90725	10.802	0.063	9.945	0.046		0.768	0.059	T	0.81	0.04	L	9.9539	0.0043	0.030	69		9.92	10.01					1							G
90726	8.906	0.015	8.423	0.015		0.455	0.019	T	0.52	0.02	L	8.4629	0.0018	0.013	62		8.45	8.49		C			1							
90727	7.335	0.014	7.275	0.011		0.054	0.016	T	0.07	0.01	L	7.2808	0.0017	0.017	98		7.26	7.65	1.78	P 1 A			1 S							S
90728	7.197	0.004	6.976	0.005		0.211	0.006	T	0.23	0.01	L	7.0151	0.0012	0.011	153		7.00	7.04			18307+0431	I 1	1							S
90729	7.475	0.004	6.571	0.003		0.795	0.003	G	0.80	0.07	F	6.6319	0.0005	0.008	191		6.62	6.64		C			1							S
90730	9.638	0.017	9.176	0.018		0.460	0.015	G	0.53	0.02	H	9.2215	0.0018	0.021	104		9.19	9.25		C			1							
90731	10.570	0.035	9.069	0.017		1.263	0.031	T	1.22	0.03	L	9.0937	0.0021	0.022	111		9.06	9.13					1							
90732	10.736	0.048	9.931	0.038		0.712	0.047	T	0.77	0.04	L	9.9719	0.0018	0.020	77		9.93	10.00		D			1							G
90733	11.107	0.068	9.769	0.034		1.135	0.060	T	1.10	0.06	L	9.9365	0.0028	0.019	79		9.90	9.97		C			1							
90734	9.840	0.016	9.408	0.016		0.422	0.018	T	0.49	0.02	L	9.4532	0.0022	0.029	195		9.41	9.51					1							
90735	10.753	0.039	9.027	0.016		1.440	0.033	T	1.44	0.05	L	9.0129	0.0025	0.018	111		8.98	9.05					1							
90736	8.311	0.009	7.857	0.009		0.427	0.007	G	0.49	0.01	H	7.9066	0.0009	0.011	115		7.89	7.92		C			1							S
90737	10.053	0.030	9.430	0.027		0.580	0.035	T	0.65	0.03	L	9.4963	0.0031	0.017	57		9.47	9.54		C			1							G
90738	7.980	0.011	7.836	0.009		0.120	0.015	G	0.13	0.01	H	7.8622	0.0028	0.012	58		7.84	7.88					1 S							S
90739	10.219	0.033	7.964	0.010		1.861	0.028	T	1.89	0.03	L	7.8219	0.0018	0.016	95		7.79	7.85					1							
90740	9.973	0.029	8.788	0.019		1.015	0.027	T	0.99	0.02	L	8.8595	0.0025	0.016	76		8.83	8.89		C			1							
90741	9.765	0.020	7.786	0.009		1.641	0.017	T	1.66	0.02	L	7.6539	0.0033	0.023	82		7.63	7.70		U 2			1							
90742	9.271	0.019	8.765	0.018		0.476	0.024	T	0.55	0.03	L	8.8262	0.0022	0.017	62		8.80	8.86					1							
90743	7.191	0.006	6.642	0.006	*	0.520	0.006	T	0.59	0.01	L *	6.7129	0.0012	0.008	80	*	6.70	6.72		D	18309−4801	I 1	2 C A	AB	21	8.063	0.012	3.21	0.06	S
90744	10.418	0.028	9.067	0.016	A	1.145	0.025	T	1.11	0.02	L	9.1064	0.0752	0.023	117	A	9.06	9.14		D	18310+4154	I 2	1 C P D							D
90745	9.047	0.013	8.415	0.011		0.587	0.015	T	0.66	0.01	L	8.4646	0.0017	0.016	128		8.44	8.50					1							S
90746	9.830	0.018	8.761	0.013	A	1.200	0.495	G	0.94	0.02	L *	8.7411	0.0017	0.023	146	*	8.70	8.79		D	18310+3115	I 1	2 C A	AB	57	3.031	0.022	3.02	0.11	
90747	7.767	0.007	7.309	0.007		0.443	0.006	G	0.51	0.01	H	7.3652	0.0009	0.009	101		7.35	7.38		C			1							S
90748	8.752	0.017	8.315	0.023	*	0.413	0.027	T	0.48	0.03	L *	8.4986	0.0034	0.015	46	*	8.48	8.54		D	18310+0123	I 1	2 C A	AB	148	2.408	0.011	0.36	0.02	S
90749	8.622	0.018	8.518	0.022		0.154	0.004	G	0.17	0.00	H	8.5082	0.0022	0.012	42		8.49	8.53					1							
90750											T	11.7010	0.6543			B				D	18310+4154	I 2	1 C F D							D
90751	8.761	0.010	7.522	0.007		1.057	0.010	T	1.02	0.01	L	7.5793	0.0011	0.013	161		7.56	7.60					1							S
90752	9.584	0.017	9.470	0.023		0.111	0.027	T	0.12	0.03	L	9.5203	0.0020	0.024	105		9.49	9.56		C			1							
90753	10.507	0.040	9.633	0.030	A						T *	9.5011	0.0032	0.027	73	*	9.45	9.55		D	18310−5533	I 1	2 C A	AC	17	3.680	0.018	1.65	0.10	
90754	11.175	0.064	9.614	0.027		1.310	0.055	T	1.27	0.06	L	9.6995	0.0035	0.030	105		9.66	9.74					1							
90755	7.987	0.007	7.828	0.007		0.140	0.015	G	0.15	0.01	H	7.8528	0.0014	0.014	138		7.83	7.88					1							S
90756	7.641	0.013	7.580	0.018		0.061	0.021	T	0.07	0.02	L	7.5897	0.0017	0.012	45		7.57	7.61		C			1							S
90757	8.483	0.012	8.025	0.011		0.456	0.001	G	0.53	0.00	H	8.0725	0.0018	0.014	78		8.05	8.09		C			1							S
90758	8.144	0.008	7.985	0.008		0.145	0.011	T	0.16	0.01	L	8.0283	0.0013	0.014	118		8.01	8.06		C			1							S
90759	6.210	0.004	6.038	0.004		0.138	0.005	G	0.15	0.01	H	6.0745	0.0007	0.006	84		6.06	6.08		C			1							S
90760	8.814	0.013	8.230	0.011		0.559	0.015	G	0.63	0.01	H	8.2964	0.0020	0.011	96		8.28	8.32					1							S
90761	7.928	0.006	7.750	0.007		0.190	0.015	G	0.21	0.02	H	7.7964	0.0023	0.026	167		7.77	7.85		U 2 C			1							S
90762	5.824	0.003	5.765	0.003		0.053	0.004	T	0.07	0.00	L	5.7849	0.0007	0.006	130		5.77	5.80					1							S
90763	5.618	0.003	5.410	0.003	A	0.182	0.008	G	0.20	0.01	H *	5.4324	0.0006	0.004	65	*	5.42	5.44			18311−3259	I 1	2 C C	AB	185	3.490	0.030	4.33	0.32	S
90764	7.565	0.006	7.623	0.006		−0.048	0.008	T	−0.03	0.01	L	7.6344	0.0011	0.014	157		7.61	7.66					1							S
90765						0.830	0.020	G	0.85	0.01	H	11.3733	0.0096	0.054	74		11.28	11.47					1 S							G
90766	7.370	0.007	7.396	0.009	*	−0.019	0.010	T	0.00	0.01	L *	7.4571	0.0014	0.013	135	*	7.44	7.48		D	18311+3215	I 1	2 C A	AB	333	6.456	0.003	0.87	0.01	S
90767	10.073	0.027	8.902	0.018	*	1.004	0.025	T	0.98	0.02	L *	8.9554	0.0015	0.019	124	*	8.92	8.99		D	18311+4527	H 1	2 C A	AB	173	0.322	0.011	1.83	0.13	
90768	7.734	0.011	7.411	0.010		0.360	0.015	G	0.42	0.02	H	7.4605	0.0028	0.022	61		7.42	7.48		U 2			1							S
90769	8.733	0.015	7.592	0.011		0.981	0.014	T	0.96	0.01	L	7.6288	0.0012	0.013	81		7.61	7.64		C			1							S
90770	9.877	0.018	8.051	0.008		1.551	0.016	T	2.56	0.03	O	7.8183	0.0035	0.033	178		7.76	7.87		U 2			1							
90771	10.339	0.030	9.185	0.019	A	1.300	0.495	G	0.94	0.04	L *	9.2001	0.0019	0.017	94	*	9.17	9.23		D	18312+6608	I 1	2 C A	AB	293	5.861	0.014	2.59	0.07	
90772	8.387	0.011	8.051	0.012		0.328	0.015	G	0.38	0.02	H	8.1028	0.0016	0.013	74		8.09	8.13		C			1							S
90773	9.571	0.016	9.146	0.016		0.401	0.021	T	0.47	0.02	L	9.2119	0.0020	0.025	180		9.16	9.28		U 2			1							
90774	9.627	0.027	9.056	0.026		0.534	0.033	T	0.61	0.04	L	9.1341	0.0033	0.016	49		9.11	9.17		C			1							
90775	7.354	0.006	7.015	0.007		0.349	0.015	G	0.41	0.02	H	7.0644	0.0011	0.013	105		7.04	7.08					1							S
90776	10.168	0.025	8.375	0.011		1.493	0.022	T	1.52	0.03	L	8.3327	0.0016	0.014	135		8.31	8.36		C			1							
90777	9.443	0.017	8.250	0.011	A	1.022	0.016	T	1.00	0.01	L	8.3369	0.0136	0.057	103	A	8.26	8.45		D	18312+1311	I 2	1 C P A							
90778	10.072	0.030	9.704	0.032	B	0.349	0.041	T	0.41	0.06	L	9.7374	0.0386			B				D	18312+1311	I 2	1 C I A							
90779	8.228	0.009	8.225	0.012		0.004	0.013	T	0.02	0.01	L	8.2347	0.0014	0.011	84		8.22	8.25		C			1							
90780	6.995	0.004	6.633	0.005		0.341	0.007	G	0.40	0.01	H	6.6846	0.0008	0.008	110		6.67	6.70		C	18312+6526	I 1	1							S
90781	8.874	0.011	7.497	0.007		1.165	0.010	T	1.13	0.01	L	7.5353	0.0011	0.010	122		7.51	7.55		C			1							S
90782	9.194	0.016	7.903	0.010		1.098	0.015	T	1.06	0.02	L	7.9368	0.0012	0.014	92		7.92	7.96					1							
90783	10.164	0.054	9.815	0.059		0.475	0.072	G	0.55	0.08	R	9.8644	0.0034	0.026	102		9.83	9.91					1							
90784	8.962	0.020	8.820	0.025		0.250	0.015	G	0.28	0.02	H	8.7966	0.0028	0.015	50		8.77	8.82		C			1							
90785	9.037	0.013	8.681	0.013		0.337	0.017	T	0.39	0.02	L	8.7381	0.0019	0.018	127		8.71	8.77					1							
90786	10.465	0.032	8.946	0.015		1.277	0.028	T	1.24	0.03	L	8.9602	0.0015	0.019	138		8.93	9.00					1							
90787	9.618	0.051	9.302	0.067	*	0.303	0.090	T	0.35	0.12	L *	9.3336	0.0030	0.020	72	*	9.30	9.38		D	18313−4821	I 1	2 C A	AB	76	7.470	0.008	0.33	0.02	
90788	9.831	0.032	8.996	0.025		0.735	0.031	T	0.78	0.02	L	9.1257	0.0028	0.015	56		9.10	9.16		C			1							
90789	7.621	0.008	7.265	0.006	A	0.900	0.495	G	0.42	0.02	L *	7.2783	0.0013	0.010	99	*	7.26	7.29		C	18313+6232	I 1	2 C A	AB	80	2.686	0.024	3.53	0.13	S
90790	7.902	0.012	6.899	0.007		0.861	0.007	G	0.92	0.02	A	6.9526	0.0016	0.010	62		6.94	6.97		C			1							S
90791	11.167	0.088	10.064	0.054		0.951	0.080	T	0.94	0.06	L	10.0412	0.0735	0.320	63		9.65	10.47	4.20	P 1 A			1							G
90792	9.830	0.026	9.134	0.023		0.630	0.026	T	0.70	0.02	L	9.1570	0.0027	0.020	88		9.10	9.19					1							
90793	9.339	0.025	7.824	0.013		1.274	0.022	T	1.23	0.02	L	7.8197	0.0016	0.011	56		7.80	7.83		C			1							S
90794	9.866	0.021	8.554	0.013		1.110	0.015	G	1.07	0.02	H	8.6157	0.0017	0.018	110		8.59	8.65					1							
90795	7.042	0.007	7.058	0.007		−0.010	0.009	T	0.01	0.01	L	7.0744	0.0015	0.009	59		7.06	7.09					1							S
90796	10.732	0.057	9.076	0.023		1.385	0.049	T	1.36	0.06	L	9.1114	0.0032	0.023	73		9.07	9.14					1							
90797	4.475	0.003	4.597	0.003		−0.116	0.008	G	−0.11	0.02	A	4.5883	0.0022	0.014	77		4.56	4.60	0.86	P 1 A			1							S
90798	9.939	0.037	9.609	0.042		0.398	0.013	G	0.46	0.01	H	9.5560	0.0033	0.025	51		9.52	9.59		C			1							G
90799	8.462	0.012	7.786	0.011		0.614	0.012	T	0.68	0.01	L	7.7971	0.0018	0.012	56		7.78	7.81		C			1							S
90800	9.018	0.015	7.746	0.010		1.083	0.014	T	1.05	0.01	L	7.7880	0.0014	0.013	95		7.77	7.81					1							

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19 20 21 22 23 24 25 26 27 28	29	30
90801	18 31 24.21	−19 09 31.0	7.93	H	277.850 883 11	−19.158 603 40	0.64	−2.16	−5.55	1.03	0.70	1.03	1.19	0.90	−17 −35 + 8 +29 −19 + 2 −12 + 2 −15 −11	0	1.19
90802	18 31 24.71	−39 47 17.7	8.85	H	277.852 979 05	−39.788 237 80	3.99	−4.87	−17.95	1.13	0.78	1.28	1.39	0.86	+22 −19 −16 − 6 −19 − 5 −24 −47 − 1 + 5	2	−0.05
90803	18 31 25.14	+14 17 21.3	9.81	2 H	277.854 732 18	+14.289 258 49	−0.49	−0.10	0.37	1.22	0.91	1.53	1.35	1.12	+ 6 −44 − 5 −19 + 2 +17 − 9 −28 +28 +18	3	0.63
90804	18 31 25.69	−10 47 44.9	5.77	1 G	277.857 053 50	−10.795 793 43 A	4.70	1.67	−17.60	0.91	0.70	0.94	0.78	0.64	+22 −18 −22 −10 − 4 − 8 − 9 −30 − 4 + 0	2	1.86
90805 H	18 31 26.17	+08 01 38.2	7.40	H	277.859 024 79	+08.027 273 00 A	1.95	1.22	−2.70	1.43	1.25	1.26	1.34	1.14	+45 −17 −15 − 2 + 7 −10 + 7 −21 +15 +41	2	−0.34
90806	18 31 26.30	−18 24 09.5	5.12	H	277.859 586 33	−18.402 645 41	15.30	−6.98	−21.43	0.78	0.54	0.81	0.84	0.64	−15 −41 + 3 +17 −17 +11 −12 + 0 −10 −19	0	−0.64
90807 H	18 31 26.50	+06 27 37.2	7.89	G	277.860 419 96	+06.460 324 43 A	4.49	−4.53	−7.57	1.80	1.20	1.83	1.55	1.31	+53 −46 −24 −33 −14 +17 −17 −44 + 6 +32	1	0.46
90808	18 31 27.34	+22 59 09.2	7.41	H	277.863 922 22	+22.985 887 09	7.57	21.08	41.54	0.36	0.52	0.87	0.44	0.63	+17 − 3 + 4 +24 +16 − 1 +15 + 8 + 3 + 9	1	−0.70
90809	18 31 28.48	+39 53 29.2	8.78	H	277.868 679 64	+39.891 435 24	12.60	23.48	−27.52	0.71	0.69	0.86	0.80	1.06	+12 −22 −11 − 3 − 8 − 7 −14 −14 +13 +10	0	−0.82
90810	18 31 28.98	−01 38 05.3	7.21	H	277.870 745 70	−01.634 813 32	15.49	28.36	−23.36	1.00	0.77	0.92	1.22	0.96	−43 −19 −16 +41 −45 + 6 −42 +42 − 9 −58	0	0.77
90811	18 31 28.99	−21 14 57.9	8.50	2 G	277.870 789 31	−21.249 422 79	2.18	2.01	0.83	1.53	0.89	1.63	1.67	1.06	+12 −57 −36 +29 −25 + 0 −30 + 2 − 5 −51	0	0.00
90812	18 31 29.69	−48 31 29.0	9.84	H	277.873 702 52	−48.524 718 72	1.15	−1.88	−7.93	1.48	1.12	1.98	1.94	1.30	+23 + 6 +24 +13 −32 −16 −23 − 9 − 9 +43	0	−0.85
90813	18 31 30.14	+45 00 38.3	7.98	H	277.875 576 86	+45.010 637 41	16.11	−101.55	−358.76	0.60	0.62	0.65	0.62	0.79	− 3 − 3 −11 −23 + 4 + 2 + 4 +39 − 9 − 2	1	1.30
90814	18 31 30.29	−41 03 56.6	8.44	H	277.876 223 51	−41.065 731 36	2.89	6.93	−9.81	1.05	0.69	1.17	1.40	0.84	− 5 − 9 −16 +15 + 2 −14 −10 −27 +12 −31	0	0.38
90815	18 31 32.36	−67 57 18.0	8.00	1 H	277.884 828 47	−67.954 991 83	2.88	−2.07	−9.57	0.53	0.64	0.89	0.53	0.78	+ 1 − 6 − 1 −31 − 8 + 8 −10 −23 − 6 + 5	0	2.28
90816	18 31 33.22	−56 59 00.1	7.58	H	277.888 404 61	−56.983 356 67	3.49	6.05	1.59	0.77	0.58	0.86	0.95	0.68	−17 −10 −12 +33 −26 +23 −22 − 2 + 7 − 9	0	0.61
90817	18 31 34.40	+40 22 07.3	8.14	H	277.893 322 40	+40.368 682 35	2.30	2.94	3.03	0.61	0.72	0.79	0.64	1.17	+13 − 4 −12 − 1 − 3 −13 − 7 − 5 + 0 − 2	0	−0.14
90818	18 31 36.13	+54 47 31.4	9.47	H	277.900 529 75	+54.792 049 73	1.53	−10.67	−18.79	0.89	0.86	0.91	0.89	0.97	+12 − 7 −14 +14 +14 −11 +14 +27 −12 +12	3	1.14
90819	18 31 36.16	+44 01 12.8	8.18	H	277.900 682 48	+44.020 230 43	2.25	1.96	20.29	0.58	0.68	0.68	0.67	0.87	+ 3 + 0 −15 +22 + 4 − 4 + 2 +48 −18 + 7	0	−0.69
90820	18 31 38.45	+09 50 44.7	9.19	H	277.910 224 61	+09.845 745 98	9.66	7.68	−35.69	0.96	0.78	1.36	1.16	1.09	+ 5 −30 −24 −29 + 4 +36 +11 −38 +21 + 8	0	1.21
90821	18 31 38.65	−41 39 27.6	8.17	G	277.911 041 43	−41.657 674 61	1.82	−5.00	−10.31	0.91	0.64	1.07	1.20	0.79	+ 2 −23 −13 − 6 − 2 − 9 −10 −38 +14 −19	2	0.08
90822	18 31 40.17	−25 41 25.4	8.55	H	277.917 393 62	−25.690 383 88	11.37	−24.44	1.93	1.40	0.91	1.41	1.75	1.12	−16 −28 −22 +37 − 3 − 4 −10 − 7 +27 −20	0	−0.76
90823	18 31 41.28	−48 40 03.9	8.26	H	277.922 008 04	−48.667 761 97	6.18	−2.63	−18.02	0.89	0.66	1.15	1.14	0.75	+11 −10 +21 +10 −41 −23 −31 −15 − 9 +35	0	0.86
90824	18 31 41.81	−54 10 43.0	9.09	H	277.924 203 06	−54.178 624 84	−1.38	−19.89	2.14	1.09	0.88	1.40	1.28	0.95	+ 3 −17 − 6 + 8 −29 − 1 −26 −17 + 5 +11	0	0.15
90825 H	18 31 42.31	−30 54 31.1	9.18	H	277.926 311 58	−30.908 640 06 A	4.17	15.61	−7.38	2.64	2.35	2.74	3.90	2.12	+ 4 −15 −18 −35 +28 −42 +10 −62 +12 −30	3	0.31
90826	18 31 43.05	+07 13 54.3	7.38	G	277.929 394 78	+07.231 754 68	2.78	−3.91	−1.96	0.70	0.53	0.81	0.71	0.60	+25 −33 −17 −20 + 6 + 9 + 6 −28 + 9 +25	0	0.18
∗90827	18 31 44.56	+18 51 02.4	10.09	H	277.935 654 43	+18.850 674 33	0.22	−9.67	−14.00	1.24	1.21	1.83	1.70	1.65	− 4 −17 −16 + 8 +21 − 9 +20 −27 +20 + 4	0	0.09
∗90828	18 31 44.59	+61 27 00.0	9.03	H	277.935 784 21	+61.450 013 80	2.79	−4.64	−4.54	0.93	0.76	0.89	0.97	0.84	+12 −28 −17 −27 +16 + 2 +16 + 7 − 4 +13	0	2.03
∗90829 H	18 31 44.53	+71 20 21.6	9.60	H	277.935 554 78	+71.339 345 37 A	3.23	−6.70	2.84	1.80	1.89	1.79	1.96	1.93	+ 4 −19 + 1 − 5 + 6 −24 + 5 − 2 −14 +27	0	−0.73
90830	18 31 45.44	−45 54 53.1	4.92	H	277.939 316 91	−45.914 743 60	4.10	−3.77	−28.80	0.66	0.46	0.76	0.78	0.56	−15 −41 − 8 −14 +25 − 4 +15 −29 +13 −28	0	1.48
90831	18 31 45.46	+45 59 19.5	7.15	H	277.939 416 14	+45.988 756 94	4.23	28.70	8.85	0.53	0.52	0.59	0.64	0.61	+ 4 − 8 − 7 −10 + 5 −12 + 1 +16 + 6 +10	0	−0.22
90832	18 31 46.18	−02 25 06.5	7.19	G	277.942 428 35	−02.418 485 88	5.81	29.53	8.29	0.83	0.69	0.94	0.96	0.80	+12 −14 −31 +12 +22 +16 +28 +21 + 1 +17	0	0.12
90833	18 31 47.92	+61 46 44.0	8.26	H	277.949 685 45	+61.778 901 88	21.10	−2.14	77.37	0.74	0.63	0.71	0.76	0.71	+13 −26 −14 −10 +19 + 8 +18 +28 − 7 +21	1	1.88
90834	18 31 50.38	−15 10 57.6	7.29	G	277.959 897 69	−15.182 664 04	7.86	−12.10	−6.72	0.91	0.73	0.98	1.19	0.80	−27 + 0 −39 −24 +29 −10 +26 −28 +11 −47	0	−1.11
90835	18 31 51.69	+49 53 28.2	7.64	H	277.965 379 59	+49.891 163 38	14.42	24.51	10.81	0.58	0.62	0.65	0.70	0.84	−12 −14 −25 − 9 +12 − 1 +13 −10 + 6 −21	0	1.79
90836	18 31 53.33	−19 07 30.2	6.59	3 T	277.972 222 39	−19.125 057 43	0.27	−4.15	−6.05	0.88	0.60	0.92	0.94	0.70	+12 −46 −10 +17 − 9 − 8 − 7 −11 − 6 + 4	0	0.35
90837	18 31 54.40	+59 25 12.1	7.73	2 H	277.976 678 12	+59.420 018 58	3.64	9.23	−20.66	0.52	0.58	0.56	0.53	0.61	+ 0 − 1 + 5 +11 +19 + 6 +19 +19 + 4 + 7	0	0.51
90838	18 31 54.54	+28 53 19.5	8.09	H	277.977 252 22	+28.888 750 74	5.11	18.58	−19.36	0.58	0.59	0.86	0.69	0.72	− 1 − 9 + 2 +12 +11 − 3 +10 − 5 + 9 + 1	0	−0.46
90839	18 31 56.02	+28 25 26.7	10.43	H	277.983 431 06	+28.424 089 16	0.27	10.53	19.50	0.87	1.01	1.44	1.10	1.39	+ 0 − 3 + 0 + 6 + 7 − 7 + 8 +11 + 8 − 3	2	1.27
90840	18 31 56.11	+19 53 08.8	8.84	H	277.983 772 68	+19.885 769 80	4.11	−0.32	3.31	0.67	0.74	1.30	0.85	0.98	+21 − 2 −14 +31 −11 +15 − 1 −23 +12 +39	0	−0.41
∗90841 H	18 31 56.23	−59 33 45.1	7.74	G	277.984 294 31	−59.562 526 48 A	7.27	−20.76	−14.47	2.18	1.95	1.91	2.45	1.97	+10 −12 − 9 +11 − 4 + 2 − 4 +21 +13 − 6	1	0.70
∗90842	18 31 56.22	−43 30 26.5	5.71	H	277.984 266 06	−43.507 364 45	2.62	−1.04	−7.50	0.70	0.48	0.76	0.91	0.55	−17 −27 −11 + 2 +11 −10 − 1 −37 + 5 −48	0	−0.52
90843	18 31 56.45	−58 07 50.5	8.37	H	277.985 221 00	−58.130 707 09	1.85	−3.13	4.59	0.93	0.74	1.09	1.17	1.00	−14 −19 +10 + 9 −14 + 6 −16 − 4 +16 − 1	0	−0.98
90844	18 31 56.99	−01 00 10.7	5.93	G	277.987 452 41	−01.002 966 14	5.72	10.03	−4.63	0.73	0.59	0.82	0.85	0.72	− 1 −20 −27 − 7 −17 + 7 −11 +15 −18 −17	0	−1.18
90845	18 31 57.01	+65 22 16.2	8.77	H	277.987 561 69	+65.371 162 89	3.61	8.20	21.64	0.66	0.68	0.70	0.82	0.97	+ 7 −14 −16 − 9 + 9 + 8 +10 − 4 +14 + 9	0	−0.92
90846	18 31 57.13	+22 24 42.4	8.83	1 H	277.988 052 78	+22.411 767 18	1.78	−3.22	12.45	0.65	0.73	1.22	0.69	0.89	+ 0 − 2 + 7 +36 +19 + 6 +18 − 3 + 1 −10	1	−1.19
90847 H	18 31 58.14	−06 06 52.1	8.49	G	277.992 250 88	−06.114 483 82 ∗	1.62	−0.07	0.11	0.99	0.76	1.09	1.02	0.88	+11 −27 − 6 −15 −15 + 7 −11 −10 −15 − 5	0	1.00
90848	18 31 58.37	−46 18 08.0	8.97	H	277.993 203 12	−46.302 225 53	24.23	−103.96	−142.21	3.72	2.47	4.08	4.68	2.99	− 8 −35 − 9 + 6 − 2 − 2 − 6 −21 + 3 −26	0	
90849	18 31 59.97	−11 38 57.4	9.32	H	277.999 877 70	−11.649 270 99	3.46	−3.67	−8.34	1.46	1.03	1.58	1.55	1.15	+19 −37 −18 +13 −21 − 5 −21 −21 − 8 + 3	0	−0.61
90850	18 32 01.38	−34 42 22.3	10.91	3 H	278.005 754 17	−34.706 197 53	1.19	−12.20	0.08	1.77	1.12	2.17	2.35	1.57	+ 8 −25 + 3 − 1 + 2 +12 + 2 −37 +18 +22	0	2.33
90851 H	18 32 01.75	+06 46 49.1	7.46	G	278.007 283 82	+06.780 309 39 A	10.75	−29.02	−87.93	1.43	1.06	1.26	1.09	0.93	+49 −33 −15 −32 −19 +16 −20 −44 − 1 +30	1	−0.34
90852	18 32 01.88	−44 35 38.5	8.19	H	278.007 839 77	−44.594 030 48	3.44	11.74	−9.85	0.99	0.67	1.14	1.16	0.77	+ 7 −41 −23 − 4 + 6 − 5 − 4 −30 +13 −15	0	0.71
90853	18 32 01.94	−45 45 26.5	5.07	H	278.008 101 33	−45.757 353 90	2.92	1.26	−11.55	0.70	0.46	0.77	0.90	0.62	−18 −34 − 7 + 6 +11 + 1 + 3 −21 +15 −26	2	−0.05
90854	18 32 02.38	−41 06 55.7	9.07	H	278.009 917 84	−41.115 470 97	7.79	−41.46	−19.10	1.19	0.82	1.36	1.60	0.98	−13 − 1 −23 + 9 + 5 −10 − 1 −30 +17 −27	0	0.53
90855	18 32 02.77	+25 04 01.7	7.84	H	278.011 527 71	+25.067 151 34	3.40	−10.56	3.54	0.65	0.81	1.24	0.78	1.01	+ 5 − 3 +10 +13 +22 +13 +21 + 7 +17 + 8	0	
90856 H	18 32 04.36	−40 45 56.9	9.67	H	278.018 175 65	−40.765 802 95 A	7.68	−7.81	−28.63	5.70	2.92	3.04	3.42	2.06	+42 − 1 −18 − 3 − 6 − 2 − 7 −34 + 6 + 7	2	−0.42
90857	18 32 06.70	+55 51 54.2	8.06	1 H	278.027 925 97	+55.865 046 84	0.77	0.54	6.49	0.70	0.61	0.64	0.82	0.74	+ 1 + 4 − 6 +42 + 0 − 1 + 0 +35 −13 + 1	1	1.09
90858	18 32 06.88	+03 39 34.5	6.41	H	278.028 679 24	+03.659 595 09	2.73	9.22	3.24	0.66	0.46	0.89	0.69	0.57	+35 −44 −34 −12 +18 +14 + 8 −27 +30 +13	0	−1.34
90859	18 32 07.11	−24 54 01.3	9.05	H	278.029 608 64	−24.900 362 63	2.78	6.59	−5.10	1.71	1.20	1.76	1.96	1.46	−37 −28 −25 −20 +26 −25 +15 −50 +33 −27	0	0.42
90860	18 32 07.68	+64 25 56.4	10.18	H	278.032 020 67	+64.432 338 88	2.93	−11.46	28.18	0.92	0.90	0.94	1.06	1.20	+ 4 −16 − 9 +16 + 8 − 1 +10 +15 − 4 − 8	0	−0.28
90861	18 32 07.80	−24 43 59.3	8.29	H	278.032 493 71	−24.733 137 25	13.67	1.47	−110.13	1.37	0.99	1.71	1.59	1.24	+ 6 −45 −44 − 9 +19 −31 −14 −52 +45 −17	0	0.55
90862	18 32 08.01	+19 36 07.0	9.72	H	278.033 382 89	+19.601 956 30	9.55	−10.19	17.32	0.87	0.92	1.54	1.09	1.19	+21 −18 −11 +36 −17 + 3 − 9 −26 +10 +35	0	1.32
90863	18 32 09.46	+12 21 32.4	9.06	H	278.039 420 74	+12.359 007 67	0.19	1.08	−6.25	0.94	0.78	1.29	1.28	1.15	+20 −22 −27 −21 − 7 +14 −13 −46 +39 +12	1	0.49
90864	18 32 10.40	+13 44 10.6	7.20	H	278.043 319 20	+13.736 266 59	39.73	112.72	122.93	0.74	0.53	0.90	0.83	0.69	+ 6 −29 −19 −23 + 0 − 7 − 9 −43 +34 +11	0	1.24
90865	18 32 11.38	+52 06 55.9	6.58	H	278.047 429 68	+52.115 532 35	3.99	−4.51	1.78	1.30	1.32	1.38	1.53	1.54	+16 −18 − 5 −16 − 2 − 6 − 3 −20 + 3 +32	0	
90866	18 32 11.49	+39 18 16.2	9.44	H	278.047 867 51	+39.304 501 98	5.40	6.82	−12.12	0.82	0.84	1.00	0.90	1.23	+ 1 −12 − 5 +20 − 3 −11 − 6 − 6 + 4 − 2	0	0.58
90867 H	18 32 11.80	−09 22 13.1	7.91	H	278.049 167 86	−09.370 319 35 A	4.88	−9.33	−15.52	1.34	1.10	1.45	1.33	1.07	+17 −21 −43 +15 − 9 −15 −22 −13 +14 − 1	2	−0.08
90868	18 32 11.98	−26 49 34.9	9.86	H	278.049 932 71	−26.826 356 83	9.24	−7.07	−64.62	1.47	0.94	1.59	1.68	1.10	+ 5 −36 −15 +15 + 2 − 7 − 9 −17 +16 −18	0	−0.14
90869	18 32 12.53	−26 29 46.3	7.95	H	278.052 223 76	−26.496 198 86	17.05	−145.08	−120.81	1.10	0.67	1.20	1.24	0.80	− 1 −44 −21 +15 − 2 + 3 −15 −15 +23 −21	0	−0.60
90870	18 32 13.11	−19 07 26.3	7.37	G	278.054 627 69	−19.123 958 49	2.34	−2.18	−3.03	0.99	0.69	1.05	1.11	0.80	+15 −36 −19 +20 + 1 − 3 − 3 −12 + 1 − 1	0	0.27
90871	18 32 13.42	−37 12 44.5	7.76	H	278.055 929 32	−37.212 355 72	1.41	3.22	−9.11	0.95	0.58	1.12	1.23	0.79	−11 −31 + 1 + 5 + 7 + 7 + 0 −36 +20 − 8	0	−1.69
90872	18 32 13.47	−22 03 21.7	9.35	H	278.056 132 40	−22.056 021 08	4.71	9.31	−1.26	1.39	0.90	1.49	1.66	1.07	+ 4 −36 −23 +24 + 2 − 9 −12 −11 +14 −29	0	1.30
90873	18 32 13.90	−38 05 55.7	7.69	H	278.057 902 26	−38.098 808 14	11.94	−27.27	12.76	0.90	0.62	1.02	1.16	0.74	−27 −15 −27 −17 +30 −14 +20 −56 +28 −39	0	0.22
90874	18 32 14.01	−29 11 24.8	7.02	H	278.058 373 29	−29.190 212 87	8.10	5.54	4.02	0.88	0.53	0.93	1.07	0.65	+ 5 −32 + 8 +19 +20 + 7 +16 −19 + 7 + 8	0	−1.02
90875	18 32 14.04	+33 35 04.2	8.58	1 H	278.058 520 14	+33.584 499 17	0.78	−9.82	−11.15	0.68	0.67	0.91	0.71	0.85	− 4 − 4 −16 +10 +11 −12 +16 −34 +21 + 7	0	1.09
90876	18 32 14.88	−61 12 26.9	8.90	H	278.062 004 25	−61.207 459 30	1.39	4.04	−9.57	1.04	0.92	1.31	1.36	0.95	+ 6 −13 −16 + 1 −29 −11 −28 − 9 +12 − 6	0	1.13
90877 H	18 32 15.32	+16 24 58.7	9.63	H	278.063 844 86	+16.416 297 59 ∗	4.48	−7.87	−4.39	3.68	11.16	1.77	1.63	1.41	+91 − 8 − 3 − 1 + 1 −12 + 4 − 7 +14 + 3	1	1.24
90878	18 32 15.42	−56 50 20.8	8.34	H	278.064 233 94	−56.839 111 79	0.80	1.56	−25.31	0.96	0.72	1.07	1.20	0.84	−18 − 6 −17 +28 −27 +19 −23 + 1 + 9 −12	0	0.91
90879	18 32 16.75	−31 07 54.8	8.66	H	278.069 799 07	−31.131 886 06	4.25	−2.73	−18.53	1.36	1.07	1.55	2.10	1.20	−16 −15 − 9 −39 +40 −40 +25 −76 + 4 −44	0	0.21
90880	18 32 17.08	+36 25 34.2	8.21	2 G	278.071 149 44	+36.426 166 18	4.25	20.34	11.87	0.57	0.60	0.76	0.64	0.75	+ 6 + 0 − 4 +20 +10 + 1 +12 + 2 − 7 + 9	0	−0.81
90881	18 32 18.65	−29 44 52.8	9.47	G	278.077 727 23	−29.747 991 82	11.77	−20.72	−124.99	1.55	0.93	1.70	1.69	1.07	+20 −42 + 1 + 1 +13 − 6 +10 −47 − 4 +17	0	−0.23
90882	18 32 18.81	+67 46 36.8	6.66	H	278.078 383 27	+67.776 893 30	3.53	−12.40	−11.48	0.51	0.49	0.53	0.52	0.60	+14 −28 −19 − 9 − 3 +11 − 1 +16 − 3 +14	0	−0.03
90883	18 32 20.08	+36 59 55.7	7.57	2 H	278.083 668 23	+36.998 798 42 ∗	1.58	−6.17	−3.51	0.57	0.61	0.75	0.62	0.75	+ 7 −11 + 0 − 9 + 3 − 7 + 5 − 8 − 8 +11	0	4.02
90884	18 32 20.66	−14 38 39.2	6.36	G	278.086 072 49	−14.644 217 05	13.51	−3.15	−21.05	0.70	0.51	0.83	0.93	0.66	− 8 −22 −15 −10 + 9 +27 +12 −17 + 1 −22	0	0.73
90885	18 32 20.72	−40 00 58.1	8.85	H	278.086 332 75	−40.016 147 89	6.49	−2.23	0.00	1.09	0.75	1.24	1.38	0.86	−11 −21 − 9 + 1 − 4 + 2 + 0 −32 − 8 −11	0	−1.67
90886	18 32 20.97	+45 46 27.8	6.96	H	278.087 361 50	+45.774 381 65	1.30	−0.68	7.31	0.53	0.53	0.60	0.63	0.60	+ 3 − 8 − 2 − 2 + 3 −15 + 1 +18 − 3 +10	0	0.69
90887	18 32 21.31	−39 42 14.1	5.16	G	278.088 778 15	−39.703 909 41	14.83	31.98	−37.62	0.65	0.45	0.76	0.81	0.50	− 9 −21 −10 − 5 + 0 − 1 + 0 −37 − 7 −19	2	−0.45
90888	18 32 21.32	−16 13 21.5	8.39	H	278.088 827 30	−16.222 648 96	4.57	−0.86	−4.12	1.35	0.98	1.50	1.51	1.19	− 6 −42 −30 + 4 +41 −26 +21 −14 +28 −25	0	1.37
90889	18 32 21.72	+19 27 47.1	8.68	H	278.090 491 12	+19.463 071 34	3.12	6.05	−11.00	0.67	0.66	1.23	0.89	0.90	+18 − 6 − 3 +46 + 0 +20 +11 − 8 +36 +45	1	−0.67
90890	18 32 23.86	+32 50 20.8	9.83	H	278.099 401 80	+32.839 104 77	2.46	−16.15	−0.98	0.84	0.79	1.15	0.92	1.05	− 1 −31 − 3 +19 + 5 −18 + 3 −17 + 5 − 5	0	−0.53
∗90891	18 32 24.49	+17 16 28.5	8.61	H	278.102 034 05	+17.274 592 18	4.63	3.94	−15.31	0.70	0.72	1.09	0.82	0.90	− 9 − 3 −17 −12 +22 + 1 +23 − 8 + 9 +13	0	−0.34
∗90892	18 32 24.40	−42 33 53.2	9.51	H	278.101 672 14	−42.564 789 21	7.26	−87.70	−59.61	1.40	0.95	1.48	1.83	1.11	+11 −36 −19 −16 −23 + 8 −25 −43 + 9 −13	4	−1.00
∗90893	18 32 24.95	+69 57 26.8	11.25	H	278.103 947 43	+69.957 446 72 B	5.74	−1.93	4.10	17.15	16.06	9.21	11.90	10.65	+ 8 − 5 − 9 −28 + 2 −17 − 1 −11 − 9 +17	0	0.00
∗90894	18 32 24.78	−42 19 13.3	8.68	H	278.103 244 27	−42.320 351 87	2.45	41.88	−90.72	1.25	0.82	1.36	1.44	0.93	+17 −45 −19 −18 −16 + 8 −20 −42 +12 − 4	0	−0.45
90895	18 32 26.44	+02 55 25.0	8.84	H	278.110 163 17	+02.923 605 59	1.48	9.50	1.40	1.10	0.76	1.33	1.16	0.99	+23 −41 −28 −10 +19 +15 +16 − 9 +22 + 2	0	−0.12
90896	18 32 27.19	−37 05 18.0	9.48	H	278.113 277 38	−37.088 332 90	8.81	16.34	−32.11	1.46	0.94	1.80	2.01	1.32	− 9 −31 − 2 −12 + 6 +18 + 4 −47 +20 + 4	2	−0.40
90897	18 32 27.30	−15 55 55.3	8.32	H	278.113 760 01	−15.932 017 53	5.05	−3.64	−7.59	1.20	0.96	1.26	1.44	1.12	−21 + 2 −32 − 9 +39 − 4 +38 −18 +29 −12	0	0.71
∗90898	18 32 27.59	+69 57 00.3	8.50	H	278.114 948 50	+69.950 084 43 A	2.96	−1.47	5.41	1.76	1.55	1.25	1.56	1.42	− 7 −10 +12 −41 + 3 −14 + 4 −31 −15 +11	0	0.00
∗90899	18 32 27.46	−48 11 49.7	9.42	2 H	278.114 413 08	−48.197 144 72	11.12	−17.27	−46.20	1.20	0.94	1.47	1.74	1.20	+21 − 9 − 8 + 7 − 6 −15 −12 −35 +22 + 6	0	−0.26
90900	18 32 29.17	−18 58 21.5	6.97	H	278.121 536 90	−18.972 639 63	0.44	−1.23	−6.95	0.95	0.62	0.98	1.03	0.71	+ 9 −42 −21 +25 −16 + 5 −17 − 6 − 5 −18	0	0.36

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
90801	8.269	0.018	7.978	0.024		0.277	0.028	T	0.31	0.04	L	7.9997	0.0016	0.012	55		7.98	8.03		C	18318−1908	I 2	1							S
90802	9.438	0.027	8.874	0.026		0.532	0.028	T	0.60	0.03	L	8.9619	0.0019	0.017	87		8.93	8.98		C			1							
90803	12.067	0.145	10.128	0.039		1.644	0.124	T	1.81	0.21	K	9.9031	0.0057	0.051	102		9.80	9.97		U 2			1 S							G
90804	5.980	0.004	5.780	0.004	A	0.379	0.006	G	0.44	0.01	H	5.8048	0.0047	0.012	67	A	5.79	5.83		U 2	18314−1048	I 1	2 C A	AB	257	12.433	0.036	3.71	0.14	S
90805	8.687	0.012	7.558	0.008	*	0.972	0.011	T	0.96	0.01	L *	7.5612	0.0015	0.011	89	*	7.54	7.58		D	18314+0802	H 1	2 C A	AB	208	0.440	0.006	1.54	0.03	S
90806	5.145	0.003	5.128	0.003		0.016	0.004	T	0.04	0.00	L	5.1348	0.0006	0.004	64		5.13	5.14		C	18314−1824	I 1	1							S
90807	7.977	0.014	7.852	0.017	*	0.120	0.015	G	0.13	0.01	H *	7.9320	0.0008	0.009	98	*	7.92	7.95		D	18314+0628	I 1	2 C A	AB	43	4.262	0.007	1.37	0.02	S
90808	8.642	0.015	7.529	0.010		0.959	0.014	T	0.95	0.01	L	7.5749	0.0008	0.011	253		7.55	7.60					1							S
90809	9.414	0.015	8.822	0.014		0.552	0.018	T	0.62	0.02	L	8.9001	0.0016	0.019	122		8.87	8.94		C			1							S
90810	7.627	0.010	7.244	0.009		0.383	0.015	G	0.45	0.02	H	7.3000	0.0014	0.008	47		7.29	7.32					1							S
90811	11.287	0.108	8.592	0.021		1.755	0.214	G	1.83	0.26	K	8.2105	0.0179	0.064	47		8.11	8.27		U 2			1 S							P
90812	11.042	0.072	9.955	0.046		0.940	0.065	T	0.93	0.05	L	10.0053	0.0037	0.023	79		9.97	10.05					1							G
90813	8.688	0.010	8.050	0.009		0.593	0.012	T	0.66	0.01	L	8.1078	0.0014	0.015	118		8.08	8.13					1							S
90814	8.835	0.015	8.477	0.015		0.339	0.020	T	0.40	0.03	L	8.5168	0.0016	0.017	70		8.49	8.55					1							
90815	7.859	0.006	7.967	0.008		−0.093	0.009	T	−0.07	0.01	L	7.9759	0.0025	0.026	177		7.94	8.01	1.46	P 1 A			1							S
90816	7.845	0.008	7.609	0.009		0.225	0.011	T	0.25	0.01	L	7.6446	0.0012	0.010	66		7.62	7.66					1							S
90817	9.643	0.018	8.284	0.011		1.151	0.017	T	1.11	0.01	L	8.3103	0.0020	0.017	106		8.29	8.35					1							
90818	9.730	0.020	9.487	0.024		0.232	0.029	T	0.26	0.04	L	9.5364	0.0019	0.017	108		9.51	9.57		C			1 S							
90819	8.452	0.009	8.214	0.010		0.227	0.013	T	0.25	0.01	L	8.2493	0.0020	0.016	116		8.22	8.28					1							S
90820	9.907	0.019	9.290	0.018		0.574	0.023	T	0.65	0.02	L	9.3176	0.0021	0.025	122		9.27	9.37					1							
90821	8.100	0.008	8.179	0.011		−0.057	0.002	G	−0.04	0.00	H	8.1623	0.0018	0.014	79		8.14	8.19		C			1							S
90822	9.143	0.023	8.665	0.023		0.463	0.025	T	0.53	0.03	L	8.6524	0.0033	0.017	51		8.63	8.68					1							
90823	8.634	0.013	8.265	0.014		0.350	0.018	T	0.41	0.02	L	8.3436	0.0012	0.013	84		8.32	8.37		C			1							
90824	10.536	0.044	9.220	0.024		1.118	0.039	T	1.08	0.04	L	9.2548	0.0032	0.020	83		9.22	9.30					1							
90825	10.789	0.053	9.356	0.028	A	1.246	0.214	G	1.20	0.21	R *	9.3463	0.0035	0.020	72	*	9.31	9.38		C	18317−3055	H 1	2 C D	AB	356	1.070	0.135	4.11	0.78	D
90826	7.548	0.006	7.416	0.007		0.150	0.015	G	0.17	0.01	H	7.4359	0.0010	0.010	105		7.42	7.46		C			1							S
90827	11.324	0.067	10.160	0.038		0.999	0.060	T	0.98	0.05	L	10.2568	0.0044	0.041	106		10.15	10.31					1							G
90828	10.420	0.037	9.176	0.021		1.061	0.033	T	1.03	0.03	L	9.1960	0.0019	0.014	80		9.18	9.23		C			1							
90829	10.236	0.032	9.741	0.031	*	0.466	0.041	T	0.54	0.04	L *	9.7049	0.0025	0.022	104	*	9.66	9.75		D	18317+7120	I 1	2 C A	AB	186	0.903	0.023	2.44	0.11	
90830	4.788	0.003	4.905	0.003		−0.101	0.004	T	−0.08	0.01	L	4.8913	0.0008	0.005	61		4.88	4.90					1							S
90831	8.704	0.013	7.281	0.008		1.201	0.012	T	1.16	0.01	L	7.3143	0.0011	0.010	114		7.30	7.34					1							S
90832	8.844	0.014	7.331	0.008		1.272	0.013	T	1.23	0.01	L	7.3423	0.0017	0.008	65		7.32	7.36		C			1							S
90833	9.023	0.016	8.336	0.014		0.635	0.018	T	0.70	0.02	L	8.3892	0.0017	0.015	89		8.36	8.42		C			1							
90834	7.701	0.010	7.343	0.009		0.339	0.013	T	0.40	0.02	L	7.3699	0.0014	0.010	55		7.36	7.40		C			1							S
90835	8.139	0.012	7.687	0.010		0.426	0.014	T	0.49	0.01	L	7.7350	0.0012	0.012	99		7.71	7.76					1							S
90836	7.953	0.078	6.707	0.049		1.070	0.020	G	1.21	0.14	A	6.9260	0.0683	0.283	58		6.50	7.22	6.75	P 1 A	18318−1908	I 2	1							S
90837	8.052	0.008	7.776	0.009		0.323	0.001	G	0.37	0.00	H	7.8120	0.0028	0.022	116		7.77	7.84		U 2			1							S
90838	9.507	0.014	8.201	0.008		1.110	0.013	T	1.07	0.01	L	8.2577	0.0014	0.017	162		8.23	8.29					1							
90839	12.639	0.233	10.616	0.052		1.676	0.190	T	1.70	0.20	L	10.5385	0.0038	0.032	154		10.48	10.59					1							G
90840	9.120	0.011	8.848	0.012		0.259	0.015	T	0.29	0.02	L	8.9159	0.0016	0.020	138		8.89	8.95					1							S
90841	8.274	0.012	7.818	0.012	*	0.453	0.003	G	0.52	0.00	H *	7.8301	0.0011	0.010	82	*	7.81	7.85		D	18319−5934	I 1	2 C A	AB	330	0.574	0.002	0.14	0.01	S
90842	7.419	0.007	5.842	0.004		1.322	0.006	T	1.28	0.01	L	5.8655	0.0011	0.008	91		5.85	5.88					1							S
90843	10.347	0.036	8.535	0.016		1.508	0.031	T	1.54	0.05	L	8.4931	0.0016	0.014	71		8.47	8.52		D			1							
90844	6.137	0.004	5.963	0.005		0.170	0.018	G	0.22	0.03	C	5.9863	0.0009	0.007	56		5.98	6.00		C			1							S
90845	9.108	0.014	8.800	0.015		0.293	0.019	T	0.33	0.03	L	8.8488	0.0014	0.013	108		8.83	8.87		C			1							
90846	11.079	0.048	9.043	0.015		1.724	0.041	T	2.34	0.08	O	8.8700	0.0023	0.027	164		8.83	8.92		U			1							
90847	11.367	0.096	8.714	0.019	*	1.500	0.040	G	1.50	0.10	R *	8.4635	0.0027	0.018	60	*	8.43	8.49			18320−0607	H 1	2 C S B	AB	149	0.096	0.018	0.45	1.07	
90848	10.089	0.042	9.060	0.028		0.885	0.039	T	0.89	0.03	L	9.1133	0.0021	0.012	59		9.08	9.14			18320−4618	I 1	1 X							
90849	9.787	0.028	9.402	0.030		0.364	0.038	T	0.43	0.04	L	9.4135	0.0033	0.020	60		9.38	9.46		C			1							G
90850						1.500	0.510	G	1.93	0.56	K	11.0013	0.0941	0.474	106		10.40	11.78		U 2			1 S							G P
90851	8.009	0.010	7.542	0.009	*	0.486	0.015	G	0.56	0.02	H *	7.5549	0.0010	0.008	93	*	7.54	7.57		D	18320+0647	I 1	2 C A	AB	201	0.658	0.003	0.95	0.01	S
90852	9.754	0.024	8.301	0.013		1.225	0.021	T	1.18	0.02	L	8.3551	0.0015	0.012	80		8.33	8.38		C			1							
90853	4.916	0.005	5.057	0.003		−0.127	0.005	G	−0.08	0.03	C	5.0381	0.0008	0.006	68		5.03	5.05		C			1							S
90854	9.669	0.025	9.124	0.024		0.517	0.026	T	0.59	0.03	L	9.1867	0.0021	0.017	72		9.16	9.22		C			1							
90855	8.203	0.007	7.878	0.008		0.333	0.015	G	0.39	0.02	H	7.9249	0.0015	0.017	186		7.90	7.95			18320+2504	I 1	1 X							S
90856	10.354	0.038	9.761	0.036	*	0.554	0.038	T	0.63	0.04	L *	9.7861	0.0034	0.020	68	*	9.76	9.82		D	18321−4046	I 1	2 C A	AB	251	0.362	0.022	1.46	0.18	G
90857	10.171	0.029	8.240	0.012		1.603	0.025	T	1.62	0.03	L	8.1782	0.0024	0.020	105		8.14	8.21		U			1							
90858	6.379	0.003	6.411	0.003		−0.025	0.004	T	0.00	0.00	L	6.4090	0.0009	0.007	135		6.40	6.43					1							S
90859	9.823	0.042	9.150	0.038		0.623	0.047	T	0.69	0.04	L	9.1791	0.0028	0.017	39		9.14	9.21					1							
90860	11.453	0.073	10.191	0.038		1.075	0.064	T	1.04	0.05	L	10.3471	0.0039	0.030	101		10.29	10.39					1							G
90861	8.896	0.023	8.375	0.023		0.498	0.025	T	0.57	0.03	L	8.4036	0.0022	0.010	38		8.38	8.42					1							
90862	10.359	0.026	9.784	0.025		0.537	0.032	T	0.61	0.03	L	9.8376	0.0019	0.021	133		9.79	9.87					1							G
90863	9.385	0.016	9.086	0.018		0.284	0.023	T	0.32	0.03	L	9.1309	0.0017	0.020	111		9.09	9.17		D			1 S							
90864	8.049	0.009	7.270	0.007		0.692	0.009	T	0.75	0.01	L	7.3374	0.0013	0.012	94		7.32	7.37		C			1							S
90865	6.490	0.004	6.562	0.005		−0.061	0.006	T	−0.04	0.01	L	6.5642	0.0007	0.006	110		6.55	6.58		C			1 X							S
90866	10.085	0.025	9.535	0.025		0.515	0.032	T	0.59	0.03	L	9.5484	0.0022	0.021	115		9.52	9.59		C			1							
90867	8.227	0.013	7.890	0.016	*	0.325	0.023	T	0.38	0.03	L *	7.9854	0.0019	0.013	56	*	7.97	8.02		D	18322−0922	I 1	2 C A	AB	167	7.892	0.018	3.02	0.11	S
90868	10.692	0.070	9.936	0.056		0.675	0.068	T	0.73	0.06	L	9.9920	0.0035	0.018	53		9.97	10.05		C			1							G
90869	8.643	0.017	8.010	0.016		0.583	0.017	T	0.65	0.02	L	8.0745	0.0022	0.012	54		8.05	8.09					1							
90870	9.327	0.031	7.527	0.015		1.499	0.027	T	1.64	0.02	A	7.4913	0.0018	0.012	59		7.47	7.51		C			1							S
90871	7.766	0.009	7.755	0.011		0.015	0.013	T	0.03	0.01	L	7.7783	0.0018	0.013	99		7.75	7.80					1							S
90872	9.710	0.030	9.383	0.035		0.310	0.043	T	0.36	0.06	L	9.4263	0.0039	0.024	54		9.39	9.48					1							
90873	8.181	0.010	7.731	0.010		0.438	0.011	T	0.51	0.01	L	7.7872	0.0012	0.010	93		7.77	7.81					1							S
90874	8.048	0.010	7.116	0.007		0.848	0.015	G	0.86	0.01	H	7.1718	0.0015	0.012	90		7.15	7.19					1							S
90875	10.807	0.040	8.774	0.013		1.721	0.035	T	1.98	0.09	O	8.6674	0.0025	0.023	123		8.63	8.71		U			1							
90876	11.010	0.063	9.049	0.021		1.626	0.053	T	1.65	0.05	L	9.0048	0.0038	0.026	84		8.96	9.04		R			1							
90877	11.798	0.106	9.892	0.031	*						T *	9.7804	0.0029	0.021	104	*	9.74	9.82		C	18323+1625	H 1	2 C B	AB	287	0.210	0.037	1.64	0.69	G
90878	10.447	0.042	8.493	0.016		1.621	0.036	T	1.64	0.04	L	8.4515	0.0022	0.018	73		8.43	8.49					1							
90879	9.328	0.019	8.734	0.018		0.574	0.015	G	0.65	0.01	H	8.7821	0.0022	0.014	69		8.76	8.80		C			1							
90880	8.679	0.011	8.278	0.011		0.388	0.006	G	0.45	0.01	H	8.2982	0.0018	0.032	131		8.27	8.63		U 2 C			1							S P
90881	10.270	0.034	9.566	0.031		0.624	0.005	G	0.69	0.00	H	9.5839	0.0026	0.016	88		9.55	9.61		C			1							G
90882	8.492	0.012	6.822	0.006		1.396	0.011	T	1.37	0.01	L	6.8048	0.0009	0.008	103		6.79	6.82					1							S
90883	13.655	0.625	8.496	0.011		5.460	0.510	G	2.91	0.56	P	7.5053	0.0162	0.174	137		7.32	7.82		U 2			1 V							
90884	6.617	0.007	6.383	0.006		0.217	0.006	G	0.24	0.01	H	6.4118	0.0011	0.008	66		6.40	6.42					1 G							S
90885	9.318	0.021	8.952	0.023		0.357	0.027	T	0.42	0.03	L	8.9365	0.0024	0.017	86		8.90	8.97		C			1							
90886	8.894	0.013	7.091	0.006		1.501	0.011	T	1.53	0.02	L	7.0828	0.0012	0.011	115		7.07	7.10					1							S
90887	5.270	0.003	5.171	0.003		0.079	0.002	G	0.09	0.00	H	5.1928	0.0006	0.005	87		5.19	5.20		C			1							S
90888	10.039	0.039	8.534	0.020		1.266	0.034	T	1.22	0.04	L	8.5552	0.0021	0.012	46		8.53	8.58					1							
90889	8.862	0.011	8.695	0.012		0.160	0.015	T	0.18	0.01	L	8.7336	0.0019	0.019	136		8.70	8.76		C			1							S
90890	10.377	0.027	9.844	0.027		0.500	0.034	T	0.57	0.04	L	9.9441	0.0029	0.028	124		9.90	9.99					1							G
90891	8.869	0.011	8.643	0.013		0.249	0.015	G	0.28	0.02	H	8.6810	0.0016	0.016	120		8.65	8.72					1							
90892	10.220	0.050	9.545	0.046		0.614	0.051	T	0.68	0.04	L	9.6397	0.0023	0.019	80		9.60	9.68		C			1							
90893	11.644	0.106	10.790	0.079	B	0.765	0.099	T	0.80	0.07	L	11.4524	0.0582			B				D	18325+6957	I 2	1 C I D							D
90894	8.942	0.023	8.692	0.026		0.219	0.013	G	0.24	0.01	H	8.7505	0.0026	0.020	77		8.72	8.79					1							P
90895	10.243	0.031	8.936	0.018		1.140	0.015	G	1.10	0.02	H	9.0028	0.0024	0.019	81		8.97	9.05		C			1							
90896	10.422	0.044	9.517	0.032		0.789	0.042	T	0.82	0.03	L	9.6234	0.0032	0.021	90		9.57	9.66		C			1							
90897	8.495	0.015	8.359	0.019		0.131	0.023	T	0.15	0.02	L	8.3715	0.0024	0.020	55		8.34	8.41					1 S							
90898	8.585	0.010	8.506	0.012	A	0.078	0.015	T	0.09	0.02	L	8.5336	0.0059	0.017	113	A	8.50	8.56		D	18325+6957	I 2	1 C P D							S D
90899	10.071	0.031	9.493	0.029		0.543	0.031	T	0.62	0.03	L	9.5388	0.0055	0.043	69		9.46	9.59		U 2 C			1							
90900	8.725	0.020	7.135	0.011		1.333	0.018	T	1.30	0.02	L	7.1201	0.0012	0.012	60		7.09	7.13					1							S

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%) δ α*	π α*	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
90901	18 32 29.51	+23 07 47.6	7.62	H	278.122 956 98	+23.129 900 75	3.09	11.05	−37.69	0.39	0.57	0.93	0.51	0.72	+17	− 6	+ 3	+30	+13	+ 1	+10	+ 7	+ 3	+ 3	0	0.39
90902	18 32 30.24	+68 36 50.5	7.58	H	278.125 984 22	+68.614 034 33	11.05	−15.25	66.58	0.56	0.54	0.60	0.57	0.58	+ 1	−27	+ 3	+12	+ 3	− 4	+ 9	− 3	−20	+ 8	0	0.74
90903	18 32 31.50	−72 41 19.3	8.10	H	278.131 268 74	−72.688 692 04	1.54	0.46	−24.03	0.52	0.64	0.91	0.55	0.65	−12	− 8	−11	+25	− 7	−15	−10	− 6	− 3	−19	1	−1.51
90904	18 32 33.27	−35 20 58.5	6.95	H	278.138 638 94	−35.349 576 64	4.43	−1.00	−13.15	0.80	0.46	0.97	1.03	0.65	−28	−21	− 5	+ 3	+ 9	+19	+ 5	−38	+29	−18	0	−0.35
90905	18 32 34.52	+57 02 44.2	4.77	H	278.143 842 87	+57.045 616 27	1.13	0.32	−7.09	0.44	0.47	0.46	0.52	0.58	− 5	− 2	−12	+10	+ 3	− 2	+ 3	+37	− 7	− 5	2	0.77
90906	18 32 35.93	+25 29 22.0	7.44	G	278.149 724 71	+25.489 437 59	3.45	4.47	15.23	0.47	0.52	0.87	0.58	0.63	+ 0	−17	+13	+17	+23	− 8	+19	+ 6	+14	− 8	1	1.21
90907	18 32 37.79	−15 42 05.9	7.85	2 G	278.157 474 08	−15.701 630 65	0.11	−0.44	−3.34	1.01	0.88	1.16	1.25	0.92	−25	− 2	−51	−17	+30	− 5	+31	−25	+18	−28	0	0.67
90908	18 32 37.86	+46 05 33.1	6.69	H	278.157 770 70	+46.092 529 52	3.70	6.38	7.83	0.53	0.47	0.55	0.61	0.53	− 1	+ 2	− 3	−22	+11	−12	+ 8	+ 6	− 5	+10	1	−1.67
90909	18 32 38.34	−27 11 22.5	9.25	H	278.159 740 69	−27.189 587 97	3.89	2.28	−26.66	1.34	0.85	1.45	1.56	0.99	− 5	−35	−22	+19	+ 8	−10	− 6	−10	+20	−32	0	−1.63
90910	18 32 38.55	+04 17 47.1	7.36	1 G	278.160 639 39	+04.296 416 92	−0.41	4.45	−13.16	0.74	0.49	0.98	0.76	0.61	+40	−49	−34	− 9	+21	+11	+14	−23	+19	+16	0	0.53
90911	18 32 39.39	−07 59 45.6	9.26	H	278.164 138 45	−07.996 000 88	5.41	12.52	0.64	1.24	0.95	1.49	1.22	0.98	+ 4	−32	−11	−21	+16	+31	+26	−14	−20	−10	0	0.67
90912	18 32 41.15	+00 34 39.1	8.76	H	278.171 440 21	+00.577 527 32	3.57	20.48	−0.30	1.28	0.95	1.19	1.19	1.03	−48	− 1	−20	−54	+44	− 2	+46	−49	+10	−32	0	−0.84
90913	18 32 43.32	−14 51 56.4	5.47	2 H	278.180 509 27	−14.865 654 30	2.57	0.15	−3.37	0.71	0.54	0.77	0.78	0.58	− 5	−26	−25	+ 1	+ 9	+ 3	+10	− 3	− 3	−17	0	0.67
90914	18 32 43.68	−51 36 02.8	10.26	H	278.181 985 35	−51.600 787 93	4.80	−47.15	−67.42	1.69	1.14	2.13	1.83	1.31	+26	−46	−27	+22	−20	+ 7	−23	+ 7	+23	+35	0	0.74
90915	18 32 46.15	+23 37 00.4	5.88	H	278.192 278 61	+23.616 776 33	4.11	13.32	10.21	0.34	0.49	0.75	0.50	0.65	− 1	− 5	+21	+19	+ 6	+ 1	+ 4	+ 2	− 3	−15	1	−0.62
90916	18 32 46.52	+26 25 02.6	9.46	H	278.193 844 10	+26.417 382 15	3.07	−4.56	−6.31	0.75	0.90	1.34	1.00	1.10	+12	+ 9	+13	+17	+23	+ 2	+22	+ 6	+ 4	+11	0	0.76
90917	18 32 47.01	+18 14 46.8	8.56	H	278.195 885 14	+18.246 337 23	6.50	−9.11	−10.53	0.80	0.79	1.26	0.94	0.95	−28	+10	−38	−21	+36	−15	+36	−30	+29	−19	0	−0.78
90918 H	18 32 47.77	+11 47 22.0	9.15	H	278.199 023 02	+11.789 438 94	A 6.52	−1.55	−3.70	2.23	1.82	2.58	2.61	2.24	+17	− 6	− 6	−39	− 9	−15	−15	−60	+20	+ 1	1	−0.07
90919	18 32 47.85	+24 40 45.2	7.75	1 G	278.199 368 67	+24.679 218 45	7.27	23.75	17.64	0.44	0.56	0.88	0.51	0.71	+ 0	−10	+19	+ 5	+13	+ 7	+13	− 6	− 5	− 7	0	0.30
90920	18 32 48.30	+24 08 30.5	8.21	H	278.201 249 18	+24.141 794 77	6.12	−0.57	27.89	0.48	0.62	0.97	0.63	0.92	+ 8	− 2	+15	+ 1	+ 3	+ 1	+ 2	−17	−10	− 2	1	−0.72
90921	18 32 49.24	−29 17 47.0	10.30	H	278.205 155 07	−29.296 381 64	5.88	28.61	−21.79	2.10	1.33	2.32	2.39	1.53	+36	−36	−12	+ 2	+ 3	−19	− 5	−53	+ 9	+28	0	0.50
*90922	18 32 49.97	−70 06 12.3	9.02	H	278.208 227 44	−70.103 417 45	12.18	63.72	−98.97	0.49	0.76	1.15	0.53	0.85	− 2	−14	+ 1	+22	−10	− 3	−14	−13	− 1	−15	0	−1.40
*90923	18 32 49.95	+30 33 15.1	5.47	H	278.208 120 19	+30.554 180 62	8.92	13.40	11.61	0.37	0.36	0.52	0.42	0.42	+ 6	− 1	+ 1	+ 4	+ 8	−23	+ 9	− 7	+ 6	+ 9	0	−0.55
90924	18 32 50.07	+07 26 13.9	8.26	H	278.208 640 41	+07.437 186 41	5.27	−12.12	−19.80	0.85	0.64	0.99	0.86	0.74	+13	−10	−25	−26	+10	+ 0	+12	−31	+16	+11	0	−0.30
90925	18 32 50.76	+20 24 18.8	8.40	H	278.211 509 66	+20.405 219 16	3.48	−3.40	1.76	0.60	0.61	1.05	0.77	0.85	+17	− 9	−21	+32	− 6	+ 3	− 4	−17	+24	+25	0	0.14
90926	18 32 51.64	−45 10 15.3	8.47	H	278.215 180 91	−45.170 903 54	4.14	25.23	5.98	1.06	0.67	1.21	1.27	0.84	− 6	−41	− 1	− 2	+ 7	+13	− 1	−17	+15	−14	0	0.97
90927	18 32 52.99	−65 15 41.6	7.83	H	278.220 777 94	−65.261 556 54	1.69	7.29	−14.15	0.52	0.55	0.85	0.65	0.54	+12	−19	−24	− 9	+ 5	− 3	+ 3	−12	− 2	+17	0	−0.47
*90928 H	18 32 53.82	+63 42 33.0	8.77	H	278.224 241 63	+63.709 164 37	A 10.14	27.72	5.20	1.44	1.54	1.32	1.46	1.67	+17	+ 5	−18	+17	+12	−11	+11	+31	− 9	+14	1	0.62
*90929	18 32 53.21	+37 25 54.4	8.04	H	278.221 696 10	+37.431 781 22	7.49	0.43	26.38	0.57	0.54	0.69	0.58	0.62	+ 7	−12	− 2	+22	+ 8	−19	+ 8	+ 7	+ 1	+ 6	1	0.66
90930 H	18 32 55.33	−73 57 55.4	5.88	G	278.230 539 53	−73.965 383 78	A 9.16	6.89	−87.25	0.53	0.57	0.69	0.50	0.53	+ 1	− 2	+12	− 9	−15	−10	−15	−12	− 2	− 5	2	0.27
90931	18 32 55.42	−33 52 06.9	8.89	H	278.230 899 38	−33.868 594 34	1.21	1.86	−0.90	1.16	0.70	1.30	1.46	0.96	−14	−34	+11	+ 9	+ 4	+ 6	+ 3	−30	+15	+ 2	0	1.34
90932	18 32 55.44	−00 19 49.1	8.79	H	278.230 991 07	−00.330 296 93	4.91	−1.57	0.34	1.07	0.85	1.25	1.11	0.94	+ 1	−19	−38	−21	+18	+ 6	+20	−13	+10	+14	2	−0.88
90933	18 32 58.04	−50 52 47.6	9.52	H	278.241 848 84	−50.879 882 25	4.56	0.64	−9.56	1.02	0.71	1.32	1.14	0.81	+11	−32	− 6	+26	−23	+ 7	−22	+10	+13	+27	0	0.27
90934	18 33 00.32	+59 53 18.7	9.00	G	278.251 314 09	+59.888 520 43	2.25	2.86	17.85	0.77	0.71	0.78	0.78	0.73	− 4	+ 8	− 2	+ 8	+29	+ 4	+31	− 1	+10	+19	0	−0.16
90935	18 33 00.81	−28 41 23.1	11.37	H	278.253 382 67	−28.689 737 46	10.10	12.45	−19.74	3.20	1.96	3.33	4.22	2.55	+38	−30	−16	+28	+20	− 7	+14	−26	+17	+38	0	−0.58
90936	18 33 00.85	−39 53 30.6	6.22	H	278.253 544 64	−39.891 826 58	27.72	86.32	−80.29	0.68	0.47	0.79	0.85	0.53	− 8	−23	−11	− 5	+ 2	+ 3	+ 1	−37	− 4	−16	0	0.69
90937	18 33 01.30	+31 35 43.0	9.18	H	278.255 403 19	+31.595 271 27	A −0.46	−6.99	−7.51	2.45	2.36	2.70	2.67	2.91	− 1	−23	+ 5	+18	+ 3	− 6	+ 2	−10	+ 5	− 2	1	1.27
90938	18 33 01.70	−56 38 45.4	8.34	H	278.257 085 54	−56.645 945 78	−0.57	0.96	−0.54	0.96	0.73	1.06	1.21	0.88	−13	−18	− 6	+ 1	−23	− 4	−22	−14	+11	− 6	0	0.03
90939	18 33 02.02	−16 33 36.7	6.97	H	278.258 425 41	−16.560 189 60	2.17	4.47	0.79	0.97	0.86	1.20	1.20	0.97	+ 7	−26	−51	+ 0	+32	−18	+16	−24	+31	−22	0	1.65
90940	18 33 02.28	−45 42 06.0	8.80	H	278.259 492 79	−45.701 672 81	0.68	−28.17	−22.18	1.09	0.77	1.22	1.40	0.96	−21	−27	+ 4	+ 2	+13	+ 0	+ 8	−19	+13	−25	0	0.05
90941	18 33 02.56	−41 39 02.8	8.89	H	278.260 662 47	−41.650 774 50	4.60	5.79	−18.46	1.15	0.80	1.33	1.51	0.97	+12	−29	−30	+ 6	− 8	−16	−26	−39	+28	−22	2	−1.95
90942	18 33 03.17	+31 35 37.0	10.24	H	278.263 197 12	+31.593 609 54	B −7.68	14.18	−14.65	11.57	11.10	8.73	8.61	9.31	− 2	−21	+ 1	+15	+ 5	− 8	+ 5	− 5	+ 1	− 5	1	1.27
90943 H	18 33 03.93	−10 42 11.9	8.96	2 G	278.266 375 25	−10.703 297 64	A 16.46	51.29	14.71	2.14	1.60	1.96	1.82	1.54	+37	−15	−10	− 9	− 3	+ 4	+ 8	−12	−31	+41	4	0.55
90944	18 33 04.79	−26 11 19.8	8.70	H	278.269 949 79	−26.188 832 23	8.48	−34.02	−63.17	1.31	0.84	1.38	1.79	1.06	−13	−31	−22	+25	−14	−10	−26	−12	+22	−41	0	−1.59
90945	18 33 05.20	−54 15 46.2	8.50	G	278.271 673 80	−54.262 844 79	53.00	−123.68	−141.05	0.95	0.76	1.18	1.13	0.82	− 3	−16	−10	+12	−30	+ 5	−26	−16	− 2	− 1	0	−1.21
90946	18 33 07.10	−05 09 45.0	7.03	H	278.279 597 89	−05.162 487 64	5.69	1.94	−6.00	0.80	0.62	0.88	0.65	0.54	+27	−37	−14	−26	−15	− 3	−11	−27	− 9	+ 7	0	−1.27
90947	18 33 07.94	+06 20 38.0	8.20	H	278.283 092 07	+06.343 899 38	4.11	−4.42	5.24	0.88	0.62	1.02	0.85	0.74	+33	−17	−11	−20	+ 1	+15	+ 6	−36	+15	+31	2	0.24
90948	18 33 08.44	+40 31 56.3	6.93	H	278.285 177 99	+40.532 315 11	6.30	29.77	5.35	0.52	0.57	0.65	0.56	0.97	+ 1	−15	−14	+ 2	+ 6	−19	+ 5	− 9	+ 4	− 7	3	0.03
90949	18 33 08.85	−01 27 44.3	7.99	H	278.286 878 64	−01.462 306 56	4.63	7.13	−2.08	0.91	0.67	1.02	0.99	0.83	− 8	−26	−16	− 7	− 7	+15	− 2	+ 3	− 8	−25	0	−0.38
90950	18 33 10.10	−18 22 06.1	6.79	1 H	278.292 073 72	−18.368 367 19	1.63	−1.64	−7.58	0.85	0.58	0.90	1.00	0.71	− 8	−36	− 9	+15	− 7	+11	− 8	− 8	− 2	−24	0	0.59
90951	18 33 12.41	+40 09 50.6	9.47	H	278.301 721 36	+40.164 049 65	B 1.27	5.19	2.48	6.76	7.49	4.37	4.32	6.97	+14	−17	− 9	−11	−12	−13	−15	+ 1	− 7	+ 4	2	−0.72
90952	18 33 13.42	+75 35 27.7	8.51	H	278.305 903 95	+75.591 019 41	8.28	−11.81	78.58	0.80	0.65	0.77	0.74	0.82	+ 6	−38	+ 3	−29	+ 3	− 1	+ 3	+19	− 8	+15	0	−1.11
90953	18 33 14.41	−24 06 34.3	6.81	H	278.310 028 88	−24.109 519 10	3.09	0.99	−7.57	0.88	0.61	0.94	1.05	0.77	− 3	−30	−16	+14	− 1	−16	− 5	−17	+11	− 3	0	−1.14
90954	18 33 14.62	+40 09 34.2	7.25	G	278.310 906 54	+40.159 512 49	A 25.71	−40.78	49.94	1.11	1.13	1.04	1.05	1.54	+13	−22	−20	−11	− 9	− 1	−10	+12	+ 2	− 3	2	−0.72
90955	18 33 14.66	+18 54 56.6	6.83	H	278.311 070 27	+18.915 732 02	6.91	0.08	−73.49	0.46	0.48	0.81	0.57	0.61	+10	−20	−26	+12	− 3	+10	− 1	−28	+30	+25	0	1.35
90956	18 33 14.84	+01 50 48.4	8.44	H	278.311 831 83	+01.846 770 56	1.47	−6.19	−18.45	1.01	0.74	1.15	1.16	0.97	+ 7	−19	−12	−13	+ 4	+18	+ 6	−20	−14	−21	0	−1.98
90957	18 33 16.87	+13 09 27.9	10.57	G	278.320 285 43	+13.157 746 94	3.57	−40.77	−274.35	1.52	1.36	2.28	2.04	1.79	+23	−19	−39	−37	− 4	−24	−23	−67	+52	+ 0	2	−1.98
90958	18 33 17.84	+05 26 44.0	7.64	H	278.324 323 11	+05.445 554 31	2.25	−2.61	−6.19	0.71	0.49	0.86	0.72	0.61	+ 8	−25	− 5	−24	+18	+ 8	+20	−32	+ 2	− 5	0	−0.33
90959	18 33 17.87	+22 18 55.4	8.90	H	278.324 463 21	+22.315 402 47	42.67	−176.88	−473.21	0.57	0.75	1.26	0.57	0.86	− 5	−10	+ 9	+24	+28	+ 0	+30	+ 0	+ 2	−10	0	−0.15
90960	18 33 18.59	+30 09 40.6	8.67	H	278.327 456 77	+30.161 284 04	2.93	−0.44	−4.68	0.62	0.57	0.85	0.71	0.71	+11	−11	+ 5	+29	+ 9	−11	+12	−15	+11	+17	0	0.21
90961	18 33 19.20	+20 58 40.8	8.15	H	278.329 991 75	+20.978 005 20	3.30	15.06	7.83	0.65	0.61	1.02	0.70	0.75	− 6	− 2	− 6	+49	+22	− 4	+17	+ 7	+ 1	−25	0	−0.08
90962	18 33 19.75	+39 22 07.8	10.35	H	278.332 294 91	+39.368 832 83	6.55	−28.53	−104.12	1.01	1.04	1.22	1.19	1.48	+13	− 3	−20	+21	+ 0	+ 6	+ 1	+ 1	+15	+17	0	0.67
90963	18 33 20.22	−37 19 46.3	8.38	H	278.334 257 31	−37.329 515 77	15.14	−32.71	−123.55	1.03	0.66	1.22	1.31	0.81	+ 0	−18	−12	+ 4	+ 6	+ 3	− 3	−39	+19	−14	0	−0.75
90964	18 33 20.32	−06 02 52.8	8.78	H	278.334 658 28	−06.047 994 71	4.03	9.92	−4.76	1.01	0.76	1.12	1.08	0.86	+ 4	−35	−20	−10	−10	+13	− 4	− 2	− 7	−18	0	0.07
90965	18 33 20.74	−08 34 00.4	8.05	G	278.336 411 75	−08.566 769 90	10.38	9.12	−2.46	0.87	0.68	1.02	0.91	0.72	−17	−21	−13	−14	+ 2	+25	+10	−19	−27	−30	0	1.27
90966	18 33 21.98	−22 37 14.0	8.59	H	278.341 568 09	−22.620 558 32	5.90	12.64	−33.56	1.21	0.78	1.30	1.66	1.08	+ 4	−27	−23	+31	+ 4	− 4	− 5	− 6	+22	− 9	0	1.22
90967	18 33 22.71	−05 54 41.9	6.36	H	278.344 643 13	−05.911 649 33	8.75	−11.04	−28.17	0.72	0.53	0.81	0.67	0.54	− 2	−41	−22	−18	− 3	+17	+ 6	− 9	−13	−29	0	−0.33
*90968	18 33 23.13	−38 43 33.4	5.67	H	278.346 388 66	−38.725 932 59	A 1.90	−0.60	−21.79	1.93	1.32	1.63	2.15	1.33	−18	−15	− 9	−39	+21	−20	+17	−64	+ 1	−27	9	1.71
*90969	18 33 23.08	−38 43 12.0	6.31	G	278.346 166 71	−38.720 002 70	B 6.67	10.02	−12.51	25.71	17.60	7.01	21.23	13.10	− 5	−14	−19	−10	+13	−28	+ 2	−47	+ 9	−23	9	1.71
*90970	18 33 23.04	+30 53 31.6	6.55	2 H	278.345 999 51	+30.892 105 94	2.20	−1.28	−7.02	0.40	0.40	0.56	0.47	0.47	+ 4	− 7	− 1	+20	+12	−21	+13	− 5	+ 6	+ 8	0	−0.78
90971	18 33 23.30	+08 16 05.8	6.42	1 G	278.347 095 87	+08.268 273 34	2.06	−0.86	−9.12	0.67	0.45	0.77	0.87	0.65	+ 9	−19	−16	− 4	+18	+ 3	+17	−24	+ 6	− 3	0	0.28
90972	18 33 24.35	+58 42 23.2	9.03	2 H	278.351 470 64	+58.706 456 88	3.56	7.09	13.42	0.63	0.72	0.71	0.69	0.80	− 4	− 4	+11	+ 6	+15	+21	+11	+19	+13	+11	2	0.65
90973	18 33 24.85	−29 52 00.2	9.52	H	278.353 524 25	−29.866 735 76	18.33	38.73	−39.09	1.66	1.16	1.86	1.83	1.28	+23	−32	+23	−27	−19	−10	−73	−24	+28	+ 2	2	0.53
90974	18 33 26.39	+09 05 30.9	8.61	H	278.359 945 67	+09.091 924 61	0.11	−0.38	0.43	1.12	0.74	1.26	1.37	1.09	+41	−35	−18	−24	− 6	+18	+ 0	−39	− 2	+31	0	0.35
90975	18 33 26.69	−39 29 12.9	8.74	H	278.361 224 86	−39.486 919 13	9.54	31.39	−116.25	1.06	0.70	1.19	1.29	0.80	−12	−32	− 3	− 9	+11	+ 6	+14	−41	− 7	− 8	0	−0.25
90976	18 33 27.75	−06 53 58.8	12.21	G	278.365 645 01	−06.899 656 87	19.55	−149.00	−652.29	3.41	2.53	3.78	3.90	3.06	+ 4	−31	−23	+22	− 3	+19	+ 5	+21	−12	−11	0	−0.44
90977	18 33 28.82	+34 33 48.0	8.36	H	278.370 090 02	+34.563 336 36	6.14	8.98	−44.62	0.66	0.61	0.83	0.71	0.81	+ 9	−28	+ 2	+17	− 8	−12	−11	− 9	+14	+12	3	1.43
90978	18 33 28.92	−20 22 05.8	7.96	H	278.370 504 96	−20.368 287 03	0.92	1.27	−11.30	1.10	0.69	1.19	1.17	0.76	+ 8	−47	−19	+19	− 4	−18	−12	−16	− 3	−30	0	−0.40
90979	18 33 29.00	−11 38 07.7	10.03	G	278.370 848 01	−11.635 461 30	39.34	−285.75	−237.72	1.71	1.25	1.76	2.05	1.66	+19	−31	− 8	+15	+14	− 4	+23	+ 1	−20	+45	6	0.03
90980	18 33 29.23	+39 34 17.0	8.56	H	278.371 809 97	+39.571 396 41	4.15	−0.80	−2.79	0.65	0.68	0.79	0.75	1.05	+ 3	−13	−11	+16	− 5	−11	− 8	+ 7	+ 1	− 4	1	0.94
90981 H	18 33 29.44	−58 42 30.7	6.40	H	278.372 685 58	−58.708 531 66	A 19.84	23.92	−104.06	0.97	0.73	0.91	1.22	0.76	−10	−19	+ 8	+19	−16	−22	−13	−12	+12	−22	3	−0.61
90982	18 33 30.16	−42 18 44.9	4.62	H	278.375 667 14	−42.312 458 71	3.76	32.48	−21.03	0.75	0.54	0.87	0.90	0.57	+22	−34	−28	− 8	−12	−18	−29	−48	+22	−19	3	−1.63
90983	18 33 30.99	−56 10 34.4	12.62	2 H	278.379 121 01	−56.176 225 71	−1.38	−4.30	3.50	4.13	3.18	5.22	5.00	3.82	−17	−17	+ 2	+17	−22	− 4	−19	− 1	+13	+ 4	2	2.01
90984	18 33 31.13	+16 50 50.9	8.74	H	278.379 691 30	+16.847 463 04	4.68	−8.02	−20.10	0.74	0.72	1.09	0.87	0.96	− 5	+ 3	− 1	−10	+ 9	+ 2	+11	−17	+ 2	+14	1	0.82
90985	18 33 31.74	+01 54 12.8	7.92	H	278.382 247 99	+01.903 559 34	5.69	1.58	3.10	0.87	0.60	1.04	0.91	0.75	+ 0	−17	−21	−24	+11	+26	+21	−26	− 6	−11	0	−0.44
90986	18 33 32.30	−67 48 14.4	8.92	H	278.384 568 28	−67.804 009 52	2.09	2.26	5.57	0.71	0.95	1.34	0.68	1.13	−10	−13	+ 0	−39	− 1	+11	− 4	−25	+ 5	− 5	0	−0.24
90987	18 33 32.53	−89 08 14.8	8.06	H	278.385 549 42	−89.137 455 94	2.96	−8.55	−32.32	0.58	0.66	0.73	0.63	0.79	−11	−14	+ 4	+ 9	−13	− 4	−12	+18	− 9	−18	3	0.93
90988	18 33 33.37	−50 12 41.5	7.75	H	278.389 029 79	−50.211 539 44	10.48	22.76	−22.72	0.88	0.62	1.07	0.99	0.67	+29	−29	− 5	+29	−24	+ 0	−20	+ 8	+12	+44	0	−0.13
90989	18 33 33.81	−33 37 19.8	8.47	G	278.390 881 17	−33.622 165 99	5.15	5.01	−19.77	1.06	0.63	1.29	1.35	0.96	−12	−30	−17	+ 0	− 5	+ 2	−12	−49	+36	− 8	0	0.27
90990	18 33 36.10	+05 36 24.3	7.75	1 H	278.400 406 44	+05.606 761 78	4.47	1.68	−7.66	0.72	0.50	0.91	0.74	0.62	+20	−30	−14	−18	+12	+12	+11	−30	+10	+ 6	0	0.10
90991	18 33 39.00	−14 51 12.9	5.74	H	278.412 516 98	−14.853 591 42	15.42	27.26	−9.49	0.69	0.53	0.78	0.74	0.56	− 5	−29	−33	+ 3	+12	+ 4	+14	− 3	+ 1	−15	0	−0.72
90992	18 33 39.76	−36 48 20.2	7.96	1 H	278.415 679 05	−36.805 601 31	3.37	−0.53	−9.69	0.95	0.60	1.13	1.29	0.82	− 7	−16	− 5	+ 6	+ 7	+18	+ 9	−33	+20	+ 8	4	−2.07
90993	18 33 40.67	+04 35 32.6	8.09	G	278.419 473 22	+04.592 383 20	7.96	19.39	−2.98	0.84	0.56	1.01	0.94	0.79	+16	−27	−12	−16	+26	+19	+31	−17	+13	+13	0	0.46
90994	18 33 42.23	−30 38 37.1	9.33	H	278.425 942 33	−30.643 639 74	8.78	−29.84	−32.02	1.62	1.24	1.95	2.42	1.33	− 1	−12	−17	−40	+36	−48	+15	−81	+ 9	−30	0	−0.96
90995	18 33 45.11	−25 26 55.8	8.00	H	278.437 946 60	−25.448 827 84	4.30	−2.66	−28.21	1.13	0.84	1.47	1.46	0.98	+ 3	−35	−49	+12	+29	−38	− 9	−44	+48	−43	0	0.78
90996 H	18 33 45.62	+17 43 55.9	7.08	H	278.440 084 36	+17.732 201 00	* 7.16	4.03	−3.34	10.12	1.93	2.23	1.83	1.68	−29	+14	−19	−12	+23	−29	+ 3	−27	+28	−50	3	13.41
90997	18 33 47.45	−71 46 07.1	7.01	H	278.447 720 31	−71.768 636 97	10.99	−3.31	9.76	0.36	0.48	0.67	0.39	0.47	− 3	−17	− 4	+ 6	− 9	− 8	− 9	−21	− 8	−11	2	1.31
*90998	18 33 47.67	+62 25 39.7	8.79	H	278.448 631 43	+62.427 682 19	3.95	16.52	−1.51	0.73	0.70	0.72	0.78	0.81	+23	−20	− 9	+ 0	+16	− 3	+17	+31	−11	+26	1	0.42
*90999	18 33 47

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data										Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″		ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65		66	67	68-70
90901	8.910	0.009	7.736	0.006		1.007	0.008	T	0.98	0.01	L	7.7864	0.0010	0.013	250		7.76	7.81					1								S
90902	8.208	0.011	7.639	0.010		0.532	0.013	T	0.60	0.01	L	7.6967	0.0011	0.009	84		7.68	7.71		C			1								S
90903	9.331	0.012	8.205	0.008		0.969	0.011	T	0.95	0.01	L	8.2678	0.0013	0.017	185		8.24	8.30					1								
90904	8.477	0.010	7.083	0.005		1.179	0.009	T	1.14	0.01	L	7.1150	0.0012	0.009	122		7.10	7.13					1								S
90905	5.534	0.002	4.843	0.002		0.611	0.004	G	0.67	0.03	C	4.8984	0.0005	0.005	109		4.89	4.91		C			1								S
90906	8.561	0.008	7.536	0.006		0.881	0.001	G	0.89	0.00	H	7.5896	0.0011	0.011	167		7.57	7.61					1								S
90907	8.818	0.016	7.993	0.013		0.828	0.024	G	0.85	0.02	H	7.9570	0.0045	0.031	55		7.93	8.02		U 2			1								S P
90908	8.381	0.014	6.835	0.006		1.298	0.012	T	1.26	0.01	L	6.8418	0.0008	0.009	103		6.83	6.85					1								S
90909	9.857	0.032	9.333	0.032		0.492	0.041	T	0.56	0.04	L	9.3602	0.0021	0.018	57		9.33	9.39		C			1								
90910	9.770	0.015	7.596	0.006		1.796	0.013	T	1.82	0.01	L	7.4394	0.0013	0.014	166		7.42	7.46		M			1								S
90911	9.927	0.031	9.339	0.030		0.549	0.038	T	0.62	0.04	L	9.3781	0.0021	0.012	51		9.34	9.42					1								G
90912	9.328	0.022	8.834	0.021		0.465	0.028	T	0.54	0.03	L	8.8619	0.0026	0.016	54		8.83	8.88		C			1								
90913	8.082	0.025	5.723	0.011		1.998	0.002	G	1.98	0.00	J	5.5518	0.0044	0.044	52		5.49	5.63		U 2			1 S								S P
90914	10.974	0.050	10.280	0.044		0.640	0.055	T	0.70	0.05	L	10.3935	0.0040	0.031	87		10.35	10.44		C			1								G
90915	7.822	0.005	6.033	0.003		1.490	0.005	T	1.51	0.01	L	6.0093	0.0006	0.007	198		6.00	6.02			18328+2337	I 1	1								S
90916	10.960	0.039	9.587	0.019		1.162	0.034	T	1.12	0.03	L	9.6255	0.0031	0.030	156		9.57	9.69					1								
90917	8.732	0.012	8.592	0.015		0.135	0.018	T	0.15	0.02	L	8.6084	0.0017	0.016	100		8.57	8.64		C			1								
90918	9.376	0.027	8.770	0.022	*	0.565	0.031	T	0.64	0.03	L *	9.2718	0.0027	0.028	130	*	9.23	9.34		R	18328+1147	I 1	2 C A	AB	53	2.144	0.007		1.31	0.03	
90919	8.164	0.008	7.776	0.007		0.397	0.009	G	0.46	0.01	H	7.8312	0.0017	0.019	187		7.80	7.87	1.00	P 1 A			1								S
90920	8.580	0.008	8.241	0.009		0.360	0.007	G	0.42	0.01	H	8.2908	0.0015	0.016	184		8.26	8.32					1								
90921	10.986	0.061	10.341	0.056		0.599	0.072	T	0.67	0.06	L	10.4286	0.0039	0.033	90		10.37	10.47		C			1								G
90922	9.815	0.013	9.083	0.011		0.657	0.013	T	0.72	0.01	L	9.1560	0.0018	0.024	282		9.11	9.20					1								
90923	5.367	0.002	5.457	0.002		−0.077	0.003	T	−0.06	0.00	L	5.4532	0.0007	0.006	150		5.44	5.46			18328+3033	I 1	1								S
90924	9.522	0.016	8.370	0.011		0.990	0.015	T	0.97	0.01	L	8.4241	0.0020	0.014	103		8.40	8.46		C			1								
90925	8.503	0.008	8.406	0.010		0.095	0.012	T	0.11	0.01	L	8.4433	0.0013	0.014	135		8.41	8.47		C			1								
90926	9.942	0.029	8.610	0.017		1.130	0.026	T	1.09	0.03	L	8.6392	0.0019	0.016	77		8.62	8.67		C			1								
90927	7.766	0.006	7.810	0.007		−0.036	0.008	T	−0.01	0.01	L	7.8240	0.0011	0.012	157		7.80	7.85		C			1								S
90928	9.534	0.025	8.724	0.019	*	0.732	0.024	T	0.78	0.02	L *	8.9171	0.0020	0.018	103	*	8.88	8.95		R	18329+6343	I 1	2 C A	AB	270	4.622	0.004		0.63	0.02	
90929	8.378	0.009	8.090	0.010		0.274	0.013	T	0.31	0.02	L	8.1171	0.0017	0.016	130		8.09	8.14					1								S
90930	7.161	0.004	5.991	0.003	*	0.992	0.004	G	0.97	0.00	H *	6.0486	0.0010	0.007	167	*	6.04	6.06			18329−7358	H 1	2 C A	AB	49	0.661	0.020		3.78	0.08	S
90931	10.923	0.050	9.040	0.018		1.564	0.042	T	1.58	0.04	L	9.0067	0.0021	0.019	113		8.97	9.04		C			1 S								
90932	10.672	0.047	8.944	0.021		1.442	0.041	T	1.44	0.07	L	8.9269	0.0022	0.018	63		8.88	8.96					1								
90933	9.962	0.022	9.584	0.025		0.369	0.029	T	0.43	0.03	L	9.6110	0.0030	0.017	100		9.58	9.64					1								
90934	10.251	0.031	9.133	0.020		0.960	0.015	G	0.95	0.01	H	9.1708	0.0020	0.017	106		9.15	9.20		C			1								
90935											T	11.5134	0.0057	0.054	80		11.40	11.58					1 S								G
90936	6.717	0.004	6.277	0.005		0.429	0.005	T	0.50	0.01	L	6.3162	0.0007	0.008	90		6.30	6.33		C			1								S
90937	9.655	0.017	9.171	0.017	A	0.456	0.022	T	0.53	0.02	L	9.2844	0.0173	0.036	132	A	9.19	9.32		D	18331+3134	I 2	1 C P D								D
90938	10.288	0.035	8.509	0.015		1.482	0.030	T	1.50	0.04	L	8.4702	0.0013	0.013	75		8.45	8.49		D			1								
90939	8.816	0.018	7.132	0.009		1.460	0.015	G	1.47	0.02	H	7.0973	0.0015	0.008	43		7.08	7.11		C			1								S
90940	9.993	0.056	8.934	0.039		0.918	0.052	T	0.92	0.04	L	8.9647	0.0024	0.018	65		8.94	9.00		C			1								
90941	9.705	0.022	8.957	0.019		0.669	0.022	T	0.73	0.02	L	9.0271	0.0020	0.017	82		8.99	9.05		C			1								
90942	11.608	0.091	10.093	0.034	B	1.274	0.076	T	1.23	0.08	L	10.3442	0.0355			B				D	18331+3134	I 2	1 C I D								D
90943	9.889	0.027	9.042	0.021	A	0.735	0.015	G	0.78	0.01	H *	9.0803	0.0061	0.031	61	*	9.02	9.12		U	18331−1042	H 1	2 C D	AB	67	2.821	0.083		3.35	0.35	D
90944	9.191	0.025	8.758	0.026		0.423	0.029	T	0.49	0.03	L	8.7978	0.0024	0.012	42		8.77	8.83		D			1								
90945	9.926	0.026	8.648	0.016		1.115	0.002	G	1.20	0.00	I	8.6115	0.0017	0.016	87		8.59	8.65		C			1								
90946	8.366	0.014	7.145	0.010		1.043	0.013	T	1.01	0.01	L	7.2007	0.0020	0.010	56		7.18	7.22		C			1								S
90947	9.566	0.019	8.304	0.012		1.075	0.018	T	1.04	0.01	L	8.3633	0.0015	0.011	94		8.35	8.38					1								
90948	8.183	0.008	7.055	0.006		0.971	0.008	T	0.96	0.01	L	7.0974	0.0010	0.010	103		7.08	7.11					1								S
90949	8.234	0.012	8.038	0.014		0.244	0.015	G	0.27	0.02	H	8.0626	0.0016	0.011	57		8.04	8.08					1								
90950	7.280	0.008	6.884	0.008		0.460	0.023	G	0.62	0.03	C	6.9124	0.0036	0.018	62		6.89	6.95	2.42	P 1 A			1								S P
90951	10.876	0.068	9.476	0.032	B	1.183	0.059	T	1.14	0.05	L	9.6323	0.0230			B				D	18332+4010	I 2	1 C I D								D
90952	9.033	0.015	8.550	0.014		0.455	0.019	T	0.52	0.02	L	8.6065	0.0015	0.013	92		8.58	8.63					1								S
90953	6.839	0.007	6.825	0.007		0.018	0.009	T	0.04	0.01	L	6.8232	0.0014	0.008	51		6.81	6.84		C			1								S
90954	7.842	0.007	7.301	0.007	A	0.535	0.016	G	0.61	0.02	H	7.3548	0.0040	0.010	120	A	7.34	7.37		D	18332+4010	I 2	1 C P D								S D
90955	8.167	0.008	6.945	0.005		1.044	0.007	T	1.01	0.01	L	6.9962	0.0007	0.008	135		6.98	7.01					1								S
90956	9.879	0.034	8.564	0.020		1.117	0.031	T	1.08	0.03	L	8.6075	0.0017	0.013	55		8.58	8.63		C			1								
90957	11.416	0.074	10.569	0.053		0.667	0.044	G	0.73	0.04	H	10.7069	0.0040	0.034	103		10.63	10.76		C			1								G
90958	7.845	0.008	7.670	0.007		0.189	0.001	G	0.21	0.00	H	7.7020	0.0010	0.010	114		7.68	7.72		C			1								S
90959	10.416	0.030	9.016	0.016		1.181	0.028	T	1.14	0.03	L	9.0302	0.0017	0.017	173		8.99	9.06					1								
90960	8.624	0.009	8.661	0.012		−0.029	0.014	T	−0.01	0.01	L	8.6689	0.0018	0.021	145		8.63	8.70		C			1								
90961	9.454	0.015	8.263	0.010		1.020	0.014	T	0.99	0.01	L	8.3158	0.0013	0.017	162		8.29	8.34		C			1								
90962	10.973	0.045	10.427	0.045		0.512	0.057	T	0.58	0.06	L	10.4611	0.0027	0.028	125		10.41	10.51		C			1								G
90963	9.179	0.016	8.459	0.014		0.666	0.015	G	0.73	0.01	H	8.5111	0.0018	0.014	95		8.49	8.53		C			1								
90964	9.481	0.023	8.864	0.021		0.574	0.027	T	0.65	0.03	L	8.9019	0.0034	0.015	61		8.88	8.93		C			1								
90965	8.534	0.014	8.119	0.014		0.392	0.018	T	0.46	0.02	L	8.1554	0.0018	0.015	55		8.14	8.19		C			1								
90966	9.098	0.021	8.627	0.021		0.445	0.015	G	0.51	0.02	H	8.6872	0.0024	0.015	58		8.65	8.71		C			1								
90967	6.400	0.005	6.363	0.006		0.034	0.007	T	0.05	0.01	L	6.3788	0.0009	0.010	60		6.36	6.39					1								S
90968	5.521	0.003	5.594	0.004	A	−0.060	0.020	G	−0.04	0.02	H	5.6534	0.0435	0.055	78	A	5.50	5.71		D	18334−3843	I 2	1 C P A								S
90969	6.240	0.005	6.271	0.005	B	0.020	0.007	G	0.04	0.01	H	6.4001	0.0745			B				D	18334−3843	I 2	1 C I A								S
90970	6.408	0.004	6.527	0.005		−0.102	0.006	T	−0.09	0.01	L	6.5212	0.0013	0.024	145		6.44	6.54		U 2 C			1								S
90971	6.370	0.004	6.418	0.005		−0.044	0.004	G	−0.02	0.00	H	6.4172	0.0028	0.014	90		6.40	6.44	3.91	P 1 A	18334+0816	I 1	1								S
90972	9.358	0.015	9.030	0.017		0.311	0.021	T	0.36	0.03	L	9.1070	0.0109	0.069	102		9.02	9.21	0.30	P 1 A	18334+5842	I 1	1 S								
90973	10.436	0.039	9.588	0.030		0.745	0.038	T	0.79	0.03	L	9.6605	0.0028	0.023	85		9.61	9.70		C			1								G
90974	10.628	0.038	8.786	0.015		1.532	0.032	T	1.58	0.07	L	8.7268	0.0015	0.012	78		8.70	8.75		C			1								
90975	9.530	0.027	8.820	0.023		0.640	0.027	T	0.70	0.02	L	8.8694	0.0019	0.017	89		8.85	8.91		C			1								
90976						1.290	0.000	G	1.71	0.02	A	12.4546	0.0151	0.085	42		12.22	12.63					1								G
90977	8.660	0.010	8.393	0.010		0.254	0.013	T	0.29	0.02	L	8.4333	0.0017	0.017	141		8.41	8.46		C			1								
90978	8.218	0.017	7.975	0.014		0.232	0.021	T	0.26	0.03	L	8.0284	0.0011	0.015	51		8.01	8.06		D			1								S
90979	11.390	0.100	10.056	0.054		1.263	0.009	G	1.44	0.02	A	10.1203	0.0046	0.029	58		10.07	10.17		C			1								G
90980	9.905	0.019	8.686	0.012		1.042	0.018	T	1.01	0.01	L	8.7304	0.0016	0.016	129		8.70	8.76		C			1								
90981	7.260	0.007	6.496	0.005	*	0.688	0.003	G	0.76	0.04	E *	6.5454	0.0008	0.009	72	*	6.53	6.56		D	18335−5843	H 1	2 C C	AB	205	0.953	0.036		4.06	0.21	S
90982	5.901	0.004	4.726	0.002		0.994	0.052	G	0.95	0.02	A	4.7824	0.0006	0.004	82		4.78	4.79		C			1								S
90983											T	12.7353	0.0190	0.131	66		12.53	12.95		U			1								D
90984	9.934	0.020	8.837	0.014		0.947	0.019	T	0.94	0.01	L	8.9049	0.0020	0.017	120		8.86	8.94					1								
90985	8.207	0.014	7.947	0.016		0.214	0.025	G	0.24	0.03	H	7.9873	0.0017	0.010	66		7.97	8.01		C			1								S
90986	10.774	0.037	9.075	0.015		1.419	0.032	T	1.40	0.05	L	9.0528	0.0019	0.025	172		9.01	9.10					1								
90987	9.413	0.015	8.180	0.009		1.053	0.014	T	1.02	0.01	L	8.2283	0.0013	0.015	134		8.20	8.25		C			1								
90988	9.094	0.013	7.874	0.009		1.043	0.012	T	1.01	0.01	L	7.9154	0.0015	0.013	120		7.89	7.94		C			1								S
90989	8.919	0.012	8.519	0.013		0.388	0.015	G	0.45	0.02	H	8.5554	0.0014	0.015	114		8.53	8.58					1								
90990	7.949	0.008	7.771	0.008		0.190	0.015	G	0.21	0.02	H	7.8137	0.0030	0.025	109		7.77	7.84	4.00	P 1 A			1								S
90991	5.793	0.005	5.746	0.005		0.043	0.006	T	0.06	0.01	L	5.7637	0.0007	0.006	73		5.75	5.78					1								S
90992	7.937	0.010	7.953	0.015		−0.010	0.017	T	0.01	0.02	L	7.9618	0.0029	0.026	89		7.93	8.01		U	18337−3648	I 1	1								S
90993	9.147	0.013	8.184	0.010		0.840	0.015	G	0.86	0.01	H	8.2411	0.0015	0.018	123		8.22	8.27					1								
90994	10.097	0.033	9.428	0.029		0.609	0.033	T	0.68	0.03	L	9.4610	0.0022	0.017	94		9.43	9.49		C			1								
90995	8.159	0.017	7.996	0.023		0.156	0.027	T	0.17	0.03	L	8.0539	0.0027	0.016	43		8.03	8.09					1								S
90996	7.732	0.015	7.350	0.015	−						T *	7.1791	0.0010	0.009	103	−	7.17	7.20		D	18338+1744	I 1	3 C C								S G
90997	7.325	0.004	7.032	0.004		0.279	0.005	T	0.32	0.01	L	7.0786	0.0008	0.010	230		7.06	7.10		C			1								S
90998	9.024	0.013	8.816	0.015		0.199	0.019	T	0.22	0.02	L	8.8540	0.0015	0.013	100		8.83	8.88		C			1								
90999	6.651	0.005	6.714	0.005		−0.053	0.006	T	−0.03	0.01	L	6.7234	0.0007	0.007	104		6.71	6.74					1								S
91000	8.577	0.010	8.504	0.013		0.072	0.015	T	0.08	0.02	L	8.5331	0.0026	0.023	104		8.50	8.57		U			1								

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg		Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%) δ α*	π α*	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	Soln F1 %	F2
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
91001	18 33 50.80	−14 25 32.8	7.92	2 G	278.461 671 09	−14.425 769 74		5.35	−2.68	−8.95	0.93	0.68	1.01	0.99	0.74	+12	−31	−15	+ 0	+ 3	− 9	+ 2	− 9	+ 0	+ 6	3	−0.01
91002	18 33 50.94	−31 27 39.7	9.20	H	278.462 253 26	−31.461 017 77		9.80	5.20	−37.14	1.44	0.99	1.68	2.17	1.21	−19	−10	−17	−32	+40	−41	+28	−69	+20	−39	0	1.23
91003	18 33 53.11	−12 15 46.3	9.54	G	278.471 283 58	−12.262 870 09		2.33	1.45	−4.37	1.28	0.92	1.40	1.31	1.00	+ 5	−37	−18	+11	− 7	+ 5	− 5	− 7	− 1	− 2	0	1.66
91004	18 33 53.49	−24 01 56.2	5.49	H	278.472 865 65	−24.032 265 34		0.95	−2.99	−7.10	0.86	0.57	0.97	1.01	0.75	+ 8	−43	−35	+16	− 2	− 9	−15	−19	+23	− 9	0	0.21
91005	18 33 53.68	+57 51 05.6	8.57	H	278.473 678 35	+57.851 546 70		2.69	3.61	−5.45	0.72	0.63	0.68	0.83	0.69	+ 3	− 2	+11	+36	+10	− 1	+13	+19	− 1	+18	2	0.58
91006	18 33 54.07	+21 49 38.8	8.52	H	278.475 284 75	+21.827 455 51		1.30	13.29	−7.59	0.68	0.64	1.07	0.73	0.73	− 4	−15	− 2	+58	+25	−16	+13	+ 6	+18	−25	0	−0.80
91007	18 33 54.84	+29 27 51.7	9.65	H	278.478 488 37	+29.464 355 58		0.26	−4.42	−6.57	0.89	0.89	1.32	1.02	1.11	− 1	−23	+24	+10	+19	+ 8	+18	−14	+ 1	− 1	4	−1.38
91008	18 33 54.86	+47 52 12.8	7.39	H	278.478 589 80	+47.870 209 52		1.35	−0.59	−5.67	0.53	0.54	0.59	0.56	0.63	+ 3	− 4	−11	− 5	+ 2	+ 3	+ 2	+17	− 3	+ 8	1	2.11
91009	18 33 55.60	+51 43 11.7	8.20	G	278.481 654 44	+51.719 929 95	+	60.90	186.62	−324.89	0.66	0.65	0.73	0.71	0.77	+ 9	−27	−22	− 5	+ 4	+11	− 4	−17	+29	+18	1	−0.97
91010	18 33 56.07	−36 22 48.3	8.24	H	278.483 607 81	−36.380 076 92		3.64	3.47	−6.83	1.14	0.76	1.26	1.53	1.03	−22	−16	− 9	−31	+15	− 3	+17	−62	+19	− 8	2	−1.10
91011	18 33 56.17	+66 21 25.0	7.41	H	278.484 030 39	+66.356 930 86		5.62	2.90	−17.02	0.52	0.53	0.58	0.40	0.66	+ 9	−24	−19	−54	− 1	+16	− 2	− 2	+14	+11	1	−0.40
91012	18 33 56.29	−02 49 14.3	8.66	G	278.484 555 50	−02.820 645 56		9.84	−2.80	−0.87	0.94	0.73	1.11	0.95	0.78	+ 6	−19	−30	−16	− 1	+10	+ 5	− 7	− 8	−15	0	0.48
91013 H	18 33 56.70	+52 21 12.6	5.38	H	278.486 244 39	+52.353 509 51	*	4.10	−3.26	3.03	0.82	0.66	0.54	0.64	0.55	+18	− 2	−19	−15	+11	− 8	+ 6	− 9	+17	− 2	1	0.31
*91014	18 33 57.76	−33 00 59.5	5.28	H	278.490 686 60	−33.016 532 62		1.46	2.35	−11.19	0.78	0.52	0.95	1.16	0.81	−27	− 3	−27	− 7	+33	−25	+22	−54	+45	−41	0	−1.73
*91015	18 33 57.41	+31 38 24.2	12.01	3 H	278.489 222 55	+31.640 063 81	*	1.30	1.88	−5.60	1.97	2.17	2.94	2.13	2.74	− 5	−16	− 1	− 2	− 4	−11	− 5	+ 5	+14	+ 4	2	0.81
91016	18 33 59.53	+01 17 26.3	8.78	H	278.498 054 35	+01.290 641 93		13.18	−31.96	36.30	1.02	0.76	1.20	0.99	0.87	+ 2	− 9	−19	−26	+ 3	+10	+ 6	−24	−11	−23	0	1.04
91017	18 34 01.59	−37 42 28.6	8.52	H	278.506 627 92	−37.707 942 87		2.71	7.41	−4.28	1.21	0.80	1.39	1.56	0.97	− 7	−38	+ 7	− 9	+ 9	− 2	+ 6	−44	+ 0	−10	0	−1.99
91018	18 34 02.07	−17 32 23.4	8.48	H	278.508 639 01	−17.539 844 07		8.09	−5.37	−75.43	1.25	0.94	1.37	1.64	1.19	−19	−25	−28	− 5	+ 8	−17	− 4	−32	+26	−36	0	0.82
91019	18 34 04.72	+12 30 13.8	9.43	H	278.519 676 13	+12.503 820 83		7.06	−30.51	−90.98	1.25	0.98	1.69	1.63	1.32	+21	−28	−28	−40	−26	+ 3	−34	−68	+46	+15	1	−2.45
91020	18 34 05.12	−32 57 40.0	7.13	2 H	278.521 341 81	−32.961 116 65		0.11	0.92	−7.87	0.84	0.56	1.11	1.21	0.87	−15	−11	−29	− 7	+24	−26	+ 9	−57	+49	−32	0	−0.09
91021	18 34 05.39	−41 12 57.1	8.12	H	278.522 438 09	−41.215 867 32		1.03	−2.18	−1.01	0.97	0.74	1.14	1.31	0.79	−20	+ 5	−42	−12	+16	−23	+ 3	−55	+28	−40	4	1.35
91022	18 34 05.72	+47 06 47.3	8.80	H	278.523 822 38	+47.113 148 72		1.90	10.87	−0.70	0.65	0.62	0.69	0.76	0.67	+12	+ 7	− 4	+27	+13	+ 8	+13	+24	+ 4	+19	0	0.05
91023	18 34 06.70	+49 32 15.6	8.58	H	278.527 937 29	+49.537 678 75		2.86	−8.17	−0.17	0.76	0.74	0.83	0.85	0.88	− 4	−23	−17	− 9	+20	−12	+19	+10	− 4	− 5	0	0.97
91024	18 34 07.06	−62 44 37.5	9.54	G	278.529 424 32	−62.743 754 86		2.47	−0.77	4.46	1.11	1.00	1.53	1.50	1.16	−24	−21	−15	+36	−25	− 3	−21	+22	+12	+ 1	3	1.47
91025	18 34 07.20	−35 44 04.4	9.97	H	278.529 993 65	−35.734 565 33		5.61	−10.33	−48.03	1.40	0.92	1.69	1.87	1.24	− 3	−21	−11	−12	+ 0	+ 3	+ 1	−52	+20	+ 8	4	−0.63
91026	18 34 07.55	+28 17 41.9	7.52	H	278.531 456 44	+28.294 978 25		4.31	−0.45	−4.16	0.53	0.49	0.76	0.67	0.62	+ 0	+ 3	+ 0	+ 5	+20	− 9	+20	+10	+12	− 3	0	−0.13
91027	18 34 08.96	+34 26 53.5	7.36	H	278.537 335 60	+34.448 187 45		4.50	28.34	−12.19	0.53	0.52	0.68	0.60	0.70	+ 8	−20	− 9	+18	− 4	− 6	− 8	+ 0	+16	+ 8	0	0.18
91028	18 34 09.47	−02 02 40.4	8.88	H	278.539 445 69	−02.044 549 40		0.51	−3.26	−8.56	1.56	0.94	1.48	1.93	1.37	−33	−28	−16	+48	−32	+10	−34	+27	−13	−61	0	1.58
*91029	18 34 09.70	+48 21 01.4	8.26	H	278.540 434 30	+48.350 398 29		1.82	3.53	11.69	0.61	0.64	0.68	0.67	0.82	− 8	−10	−16	− 5	− 2	− 4	− 1	+25	− 1	−13	2	−0.59
*91030	18 34 09.69	−32 14 43.0	9.50	H	278.540 357 78	−32.245 278 41		−0.11	−4.37	−3.74	1.42	0.90	1.80	1.98	1.27	+ 3	−28	−21	−23	+11	−19	− 6	−66	+36	−14	0	−0.07
*91031	18 34 12.41	−07 42 44.4	7.35	H	278.551 724 63	−07.712 320 63		7.09	−1.28	−0.89	0.86	0.59	0.96	0.96	0.71	− 7	−34	−14	+17	−24	+27	−23	+ 2	−25	−56	0	1.27
*91032	18 34 12.41	−17 41 41.2	9.03	H	278.551 702 65	−17.694 769 61		5.46	−3.66	0.89	1.58	1.25	1.55	1.98	1.41	−36	− 8	+ 4	−28	+26	−24	+26	−46	+ 3	−38	0	0.18
91033	18 34 12.81	−28 20 45.1	8.47	H	278.553 373 45	−28.345 867 07		6.26	15.55	5.70	1.14	0.74	1.19	1.52	1.00	− 4	−26	−19	+31	− 1	− 4	− 7	+ 2	+19	−12	0	1.07
91034	18 34 13.90	+14 28 06.2	7.94	H	278.557 904 98	+14.468 389 23		8.74	18.34	−6.00	0.76	0.57	0.95	0.88	0.71	− 8	−32	−11	−21	+ 7	+11	+ 1	−31	+25	− 6	0	−0.16
91035 H	18 34 14.48	−66 16 45.3	6.76	H	278.560 329 52	−66.279 260 13	A	1.21	3.03	−9.75	0.74	0.81	1.04	0.71	0.81	+40	−11	−16	−16	− 7	+ 4	− 6	+ 0	− 1	+43	0	0.98
91036	18 34 15.61	−57 59 37.2	9.06	H	278.565 054 24	−57.993 679 44		−0.86	0.46	−2.37	1.03	0.85	1.24	1.18	0.99	−10	−24	+ 3	+26	−17	+ 6	−17	+ 7	+ 8	+ 0	0	−0.24
91037	18 34 15.76	−13 03 53.4	8.24	H	278.565 680 16	−13.064 820 46		2.06	3.58	−6.03	1.02	0.72	1.05	1.18	0.87	− 3	−24	− 8	+27	+ 3	+17	+13	+ 9	− 6	+25	3	1.87
91038	18 34 15.84	−04 48 48.9	8.71	H	278.566 015 27	−04.813 570 39		−1.32	2.40	0.79	1.06	0.78	1.22	0.96	0.80	+ 5	−23	− 2	−11	− 7	− 4	− 2	−19	−23	+ 5	0	−0.97
91039	18 34 16.11	+72 24 40.3	7.50	H	278.567 120 64	+72.411 203 77		3.93	−0.06	−3.29	0.52	0.54	0.56	0.57	0.63	+11	−18	+ 2	+ 4	+ 8	− 8	+ 8	+ 2	− 1	+25	1	1.14
91040	18 34 18.11	−42 35 26.6	7.64	H	278.575 466 60	−42.590 715 25		3.16	3.83	3.48	0.85	0.57	0.94	1.06	0.67	−11	−31	− 2	− 4	+ 0	− 6	− 5	−33	+ 4	−32	0	−0.82
91041	18 34 19.57	+20 27 59.1	6.57	H	278.581 527 25	+20.466 424 88		7.14	6.27	−5.64	0.45	0.46	0.73	0.57	0.62	+12	− 6	−16	+18	− 4	+10	+ 0	−15	+18	+22	0	0.63
91042	18 34 19.69	+29 44 31.1	6.64	H	278.582 047 10	+29.741 978 76		6.47	46.27	−86.62	0.44	0.44	0.61	0.54	0.52	− 4	− 9	+ 5	+ 6	+18	− 8	+17	+ 4	+ 8	+ 4	0	0.30
91043	18 34 20.12	+18 41 24.7	7.39	2 H	278.583 813 60	+18.690 187 08		26.87	−20.71	−50.90	0.54	0.52	0.89	0.66	0.66	+13	−15	−18	+21	+15	+10	+17	− 8	+25	+29	0	−0.34
91044	18 34 20.25	−00 40 25.4	8.37	G	278.584 361 12	−00.673 733 57		9.75	10.56	−10.51	1.01	0.71	1.13	0.98	0.79	+11	−14	−25	−20	+ 5	+ 7	+ 8	−18	+ 6	+ 6	0	0.95
91045	18 34 20.28	+48 37 40.4	9.05	H	278.584 485 38	+48.627 901 27		2.09	7.71	28.69	0.76	0.80	0.84	0.92	1.09	−11	− 3	−18	− 4	− 2	+ 6	+ 2	+30	− 6	−18	0	−0.34
91046	18 34 20.68	−21 33 13.2	9.58	G	278.586 160 97	−21.553 677 11		−0.09	0.70	−4.82	1.49	0.89	1.51	1.84	1.10	−10	−35	−24	+36	−18	+ 4	−24	+ 0	+ 9	−33	0	0.97
91047	18 34 21.91	+10 29 57.4	9.24	H	278.591 272 05	+10.499 266 61		1.19	2.46	−1.91	1.03	0.78	1.30	1.32	1.05	+16	−30	−16	+15	+16	+15	+ 8	−17	+26	+12	0	−0.77
91048	18 34 22.16	+02 31 20.1	10.40	H	278.592 345 17	+02.522 255 65		4.09	27.69	−0.60	1.48	1.00	1.85	1.87	1.54	+32	−23	−23	−21	+ 5	+11	+ 7	−44	+17	+23	0	0.59
91049	18 34 23.91	+51 06 47.2	7.81	1 H	278.599 626 98	+51.113 122 23		0.88	3.58	13.36	0.54	0.54	0.60	0.60	0.61	+ 5	−16	−22	+ 3	+ 2	+ 5	+ 3	−13	+20	+23	0	−0.35
91050	18 34 25.29	−54 05 16.7	6.72	H	278.605 358 95	−54.087 980 71		8.36	−11.06	−31.50	0.69	0.52	0.82	0.78	0.59	− 1	−30	−10	+17	−27	+ 3	−26	−15	+ 6	− 2	0	−0.58
91051	18 34 25.31	−19 47 04.7	7.18	H	278.605 466 40	−19.784 632 04		4.08	31.64	−18.80	0.98	0.61	1.02	0.97	0.64	+17	−50	−30	+29	−14	+ 2	−18	+ 1	− 3	−27	0	0.56
91052	18 34 26.32	+57 48 06.6	7.33	2 H	278.609 651 26	+57.801 835 14		6.39	−15.01	−4.94	0.54	0.53	0.55	0.60	0.57	− 1	+ 2	+ 9	+18	+ 9	+ 2	+ 8	+24	− 2	+13	3	−0.54
91053	18 34 26.64	−30 30 47.0	8.72	G	278.611 008 88	−30.513 054 03		4.13	−0.78	14.29	1.24	0.80	1.41	1.42	0.87	− 1	−38	+ 5	− 3	+ 7	−23	+ 6	−52	−15	−14	2	1.24
91054 H	18 34 27.27	−34 48 56.7	6.91	H	278.613 608 14	−34.815 753 63	A	11.56	14.63	16.78	1.76	1.06	1.74	1.96	1.23	−15	−33	+25	− 5	− 4	+ 2	− 6	−39	−11	+ 4	5	0.83
91055	18 34 27.74	+49 57 04.3	8.61	H	278.615 592 43	+49.951 190 24		0.91	−6.53	−11.41	0.74	0.69	0.78	0.83	0.80	+ 0	−18	−13	− 3	+15	−12	+12	+ 7	+ 3	+ 3	0	0.45
91056	18 34 29.23	+28 45 22.2	8.29	H	278.621 797 14	+28.756 163 11		5.26	6.09	0.61	0.62	0.63	0.91	0.73	0.73	− 5	−14	+ 7	+ 8	+18	− 5	+17	+10	+ 5	+ 3	0	−2.18
91057	18 34 29.44	−04 42 33.4	9.38	H	278.622 671 21	−04.709 270 86		3.52	10.09	−13.92	1.53	1.09	1.66	1.31	1.05	+37	−30	−27	−24	−14	−10	−20	−37	+ 1	+11	0	−0.93
91058	18 34 30.56	+34 24 54.6	7.55	H	278.627 313 22	+34.415 172 44		19.12	196.35	191.26	0.52	0.53	0.69	0.59	0.72	+ 6	−21	−12	+12	− 4	− 3	− 9	+ 0	+18	+ 4	0	−0.67
91059	18 34 30.72	+42 39 41.8	8.80	H	278.627 999 30	+42.661 621 30		1.56	−3.78	−32.58	0.69	0.76	0.86	0.74	1.13	+ 8	+14	−12	+ 3	+ 1	− 2	− 3	+11	−21	+13	0	−0.57
91060	18 34 30.79	−39 03 40.7	8.71	H	278.628 311 13	−39.061 295 69		4.03	−1.30	2.08	1.16	0.77	1.31	1.45	0.94	−16	−28	−15	−18	+18	− 6	+11	−46	+15	−23	0	−0.29
91061 H	18 34 30.90	+51 46 56.4	6.51	2 H	278.628 745 04	+51.782 328 10	*	3.94	−40.36	−26.63	0.48	0.50	0.54	0.57	0.58	+ 9	−14	−19	− 3	+ 3	+10	+ 2	− 4	+20	+23	1	1.11
91062	18 34 31.13	−52 53 29.1	6.21	H	278.629 728 10	−52.891 418 53		5.93	−16.99	−41.99	0.74	0.54	0.85	0.78	0.54	+ 7	−31	−10	+25	−39	− 1	−35	− 8	+ 0	+ 5	0	−0.05
91063	18 34 31.30	+06 27 44.4	7.22	H	278.630 423 00	+06.462 329 49		3.29	1.38	2.63	0.70	0.51	0.82	0.70	0.56	+31	−22	−23	− 8	+16	+12	+16	−16	+21	+25	0	0.30
91064	18 34 32.14	+31 43 46.0	8.47	G	278.633 935 40	+31.729 435 18		4.71	1.26	14.68	0.67	0.66	0.93	0.80	0.79	− 7	−15	+13	+14	− 1	−14	− 1	+16	+ 9	−10	0	0.09
91065	18 34 32.69	+55 56 01.1	7.68	H	278.636 227 56	+55.933 633 99		3.68	−2.82	−75.88	0.60	0.54	0.63	0.74	0.62	+ 6	− 1	− 9	+36	+ 5	+25	+ 5	+26	−19	+11	0	0.86
91066	18 34 32.76	−24 13 20.6	6.53	H	278.636 504 84	−24.222 389 28		1.01	−1.19	−1.50	0.91	0.61	1.01	1.12	0.82	+12	−38	−32	+17	− 7	− 4	−18	−20	+24	− 3	0	−1.48
91067	18 34 32.88	−31 15 44.1	7.93	H	278.637 001 69	−31.262 256 06		2.88	10.31	−24.15	1.22	0.84	1.30	1.84	1.03	−44	+12	−15	−51	+52	−44	+49	−78	+19	−50	0	0.18
91068	18 34 33.26	−14 34 06.9	7.73	H	278.638 601 85	−14.568 593 60		5.51	−0.73	−25.09	0.89	0.65	0.95	0.96	0.74	− 4	−28	−15	+ 6	+ 6	− 4	+ 6	− 5	+ 0	− 6	3	0.37
91069	18 34 34.41	+36 19 38.8	8.76	H	278.643 389 43	+36.327 452 02		2.93	3.48	7.76	0.60	0.65	0.79	0.64	0.78	+ 6	− 2	−15	+15	+ 7	− 2	+ 8	+ 4	+11	+14	0	−0.82
91070 H	18 34 34.72	+36 07 49.3	8.57	H	278.644 669 80	+36.130 366 17	A	2.40	5.44	−10.23	0.99	1.08	1.20	1.00	1.28	+10	− 5	−21	+13	+ 4	−17	− 1	−11	+19	+ 7	1	−0.42
91071	18 34 34.89	+15 13 45.4	8.23	2 H	278.645 376 54	+15.229 290 95		2.51	4.41	0.85	0.85	0.62	0.99	0.96	0.77	− 3	−34	+ 8	−13	+ 1	+12	− 4	−24	+18	+14	0	1.26
91072	18 34 35.34	+03 08 08.8	7.46	H	278.647 232 69	+03.135 778 83		4.02	6.98	0.36	0.67	0.44	0.86	0.77	0.64	+25	−26	− 6	− 5	+23	+24	+23	−18	+26	+31	1	−0.58
91073	18 34 35.64	+12 32 20.0	8.28	H	278.648 501 42	+12.538 880 11		17.85	25.85	27.15	0.86	0.68	1.17	1.09	0.87	− 4	−11	−20	−32	− 7	− 9	−11	+69	−39	− 8	2	−2.00
*91074	18 34 37.94	−86 39 45.2	8.67	H	278.658 080 78	−86.662 552 83		5.16	−2.59	−10.02	0.67	0.70	0.85	0.76	0.87	+ 4	−11	−27	+ 1	− 3	−20	− 9	+12	+ 5	− 5	1	1.47
*91075	18 34 37.64	−27 33 58.3	8.79	H	278.656 818 91	−27.566 207 51		16.22	−2.59	17.66	1.20	0.83	1.24	1.46	1.05	+ 9	−15	+ 2	+31	+22	+ 0	+17	+19	+26	+ 8	0	−0.05
*91076	18 34 37.88	−36 44 28.7	9.91	H	278.657 830 33	−36.741 306 45		5.85	−9.76	−6.22	1.76	1.16	1.76	2.15	1.48	−25	−22	−10	−33	+24	+ 6	+23	−64	+14	−20	0	−0.48
91077	18 34 38.12	+29 59 03.4	7.66	H	278.658 850 47	+29.984 290 77		1.68	−1.00	−4.43	0.49	0.52	0.71	0.56	0.60	+ 5	− 6	+ 3	+16	+17	− 5	+18	+ 8	+ 6	+ 9	0	−0.24
91078	18 34 38.86	+41 34 00.1	8.20	H	278.661 909 67	+41.566 694 20		5.79	−8.17	−95.22	0.61	0.66	0.75	0.66	0.99	+ 3	−19	− 5	+ 4	− 1	+ 6	+ 0	+ 3	− 4	+ 5	3	−0.16
91079	18 34 39.62	−51 37 10.2	10.28	H	278.665 103 50	−51.619 498 26		9.14	−2.29	−39.96	1.91	1.29	2.22	2.04	1.32	+27	−44	−38	+28	−33	+ 8	−30	− 1	+16	+27	2	0.31
91080 H	18 34 40.07	+35 48 16.6	7.78	G	278.666 939 17	+35.804 605 82	*	4.47	3.43	2.51	0.56	0.57	0.72	0.65	0.76	− 1	− 9	−19	+ 5	− 1	−17	− 6	+ 1	+13	− 6	0	−1.59
91081	18 34 40.27	+35 04 57.7	11.02	H	278.667 796 51	+35.082 692 57		2.28	−10.36	−20.81	1.38	1.41	1.76	1.91	2.02	+ 5	− 7	−19	− 4	− 3	− 2	− 4	+ 5	+ 9	+ 2	1	1.39
91082	18 34 40.72	−51 53 19.6	10.20	H	278.669 668 87	−51.888 781 34		7.83	8.54	−66.99	1.51	1.08	1.80	1.64	1.15	+25	−38	−30	+ 8	−41	+ 5	−41	−12	+18	+25	0	−0.10
91083	18 34 41.11	−22 32 47.8	8.36	H	278.671 290 38	−22.546 606 64		2.23	7.43	−17.96	1.08	0.72	1.13	1.52	1.06	− 5	−25	−20	+20	−12	− 5	−17	−12	+ 7	−18	0	0.24
91084	18 34 41.98	−50 43 18.1	6.79	H	278.674 924 48	−50.721 693 28		4.37	−5.70	−4.99	0.72	0.49	0.96	0.74	0.57	+ 8	−42	−13	+30	−25	+12	−29	+19	+27	+25	0	1.16
91085	18 34 43.69	−28 04 19.4	8.61	H	278.682 060 09	−28.072 046 66		22.70	−31.99	−109.68	1.21	0.83	1.27	1.51	1.02	+ 5	−26	−17	+26	+23	−20	+16	+ 0	+15	+ 1	0	−1.10
91086	18 34 44.58	−01 54 39.7	8.84	H	278.685 756 63	−01.911 027 94		5.48	14.75	1.61	1.22	0.81	1.32	1.47	1.14	−18	−21	−17	+33	−20	+22	−18	+17	−25	−47	0	−1.25
91087	18 34 46.29	+05 27 47.3	8.56	H	278.692 864 85	+05.463 133 66		5.68	−14.97	−8.39	0.89	0.63	1.13	0.88	0.76	+23	−38	−22	−22	+ 8	+10	+ 6	−31	+14	+ 9	0	0.44
91088	18 34 46.96	+21 29 10.4	7.21	H	278.695 658 17	+21.486 233 82		7.32	14.16	4.21	0.54	0.48	0.81	0.58	0.57	− 6	−14	−11	+60	+25	−21	+14	+ 5	+18	−29	0	−0.55
91089	18 34 47.18	−13 26 05.1	8.09	H	278.696 601 63	−13.434 750 39		16.57	12.49	−12.37	1.01	0.74	1.22	1.35	0.86	− 7	− 4	−34	+12	−12	+38	+ 0	− 2	− 9	−16	3	0.51
91090	18 34 47.49	+10 53 31.2	6.48	H	278.697 874 78	+10.892 000 74		5.13	6.87	3.78	0.61	0.46	0.75	0.74	0.58	−16	−25	−12	−14	+17	− 1	+13	−46	+15	− 6	0	−1.70
91091	18 34 51.02	−49 21 07.5	7.39	H	278.712 601 82	−49.352 084 93		3.85	8.37	−30.98	0.87	0.70	1.02	1.15	0.79	+22	− 5	+10	+ 0	−52	−21	−44	−19	−11	+40	0	1.19
91092	18 34 51.25	+14 43 58.0	8.00	H	278.713 533 62	+14.732 779 28		9.56	10.53	28.35	0.80	0.59	1.00	0.95	0.76	+ 0	−22	−24	−15	+ 4	+12	− 2	−35	+38	+ 2	0	−1.33
91093	18 34 53.62	−52 23 14.5	6.83	G	278.723 423 29	−52.387 350 81		4.75	37.59	−63.72	0.75	0.59	0.93	0.85	0.57	+24	−19	− 2	+ 4	−36	−16	−32	−21	− 3	+22	2	1.28
91094	18 34 54.81	−52 13 09.2	8.84	H	278.728 377 74	−52.219 209 71		4.96	18.91	−21.12	1.15	0.85	1.36	1.28	0.92	+29	−32	−17	+ 4	−37	− 2	−36	−14	+ 8	+30	0	0.86
91095	18 34 54.96	−30 43 47.4	8.68	H	278.729 016 11	−30.729 842 37		12.29	−1.81	28.30	1.20	0.77	1.39	1.45	0.91	−10	−33	+26	− 6	+ 2	−11	+ 8	−59	−16	− 4	0	−0.08
91096	18 34 55.43	−46 41 28.3	8.57	H	278.730 965 75	−46.691 193 37		3.08	28.97	−2.00	1.03	0.79	1.25	1.35	1.02	−21	−11	+21	− 2	+21	+ 0	+20	−15	+20	−10	0	0.26
91097 H	18 34 56.11	−23 25 41.1	10.40	G	278.733 772 92	−23.428 096 00	A	4.49	−2.15	−0.55	17.36	6.15	2.63	3.53	2.46	+43	−13	−14	− 8	−29	−20	−27	−45	+16	+33	4	0.08
91098	18 34 56.47	−48 09 04.3	7.88	H	278.735 304 47	−48.151 188 06		3.21	20.61	−3.54

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)					Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days			CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″		ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4		55	56-7	58-61	62	63	64	65		66	67	68-70
91001	8.140	0.013	7.950	0.015		0.222	0.002	G	0.24	0.00	H	7.9599	0.0074	0.036	69		7.92	8.01	2.80	P 1 A				1							S
91002	9.881	0.028	9.325	0.028		0.526	0.029	T	0.60	0.03	L	9.3111	0.0025	0.018	86		9.28	9.34		C				1							
91003	10.140	0.039	9.654	0.040		0.562	0.021	G	0.64	0.02	H	9.6386	0.0033	0.021	61		9.59	9.67		C				1							G
91004	7.879	0.013	5.707	0.006		1.795	0.011	T	1.82	0.01	L	5.5877	0.0016	0.010	53		5.57	5.61						1							S
91005	8.632	0.012	8.553	0.014		0.078	0.017	T	0.09	0.02	L	8.6037	0.0015	0.014	100		8.58	8.63		C				1							S
91006	8.691	0.009	8.548	0.010		0.138	0.013	T	0.15	0.01	L	8.5717	0.0016	0.020	189		8.54	8.61						1							
91007	9.673	0.017	9.632	0.024		0.043	0.027	T	0.06	0.02	L	9.6737	0.0031	0.030	139		9.61	9.72						1 G							
91008	9.214	0.015	7.540	0.008		1.399	0.013	T	1.38	0.02	L	7.5376	0.0012	0.010	111		7.52	7.56						1 S							S
91009	9.742	0.022	8.333	0.013		1.265	0.010	G	1.44	0.02	H	8.2862	0.0065	0.067	102		8.15	8.37		R 2 C				1 O							P
91010	9.288	0.017	8.356	0.012		0.824	0.015	T	0.85	0.01	L	8.3900	0.0014	0.014	89		8.37	8.41		C				1							
91011	7.479	0.006	7.398	0.008		0.080	0.009	T	0.09	0.01	L	7.4384	0.0012	0.011	101		7.42	7.45						1							S
91012	9.194	0.017	8.702	0.017		0.495	0.015	G	0.57	0.02	H	8.7686	0.0025	0.016	63		8.74	8.81		C				1							
91013	6.773	0.004	5.491	0.004	*	1.091	0.005	T	1.05	0.01	L	*	5.5435	0.0008	0.008	106	*	5.53	5.55		D		18339+5221	I 1	2 C	A	AB	106	0.258	0.002	0.21	0.02	S
91014	5.129	0.002	5.261	0.002		−0.115	0.003	T	−0.10	0.00	L		5.2447	0.0005	0.005	115		5.24	5.25		C				1							S
91015											T		12.1387	0.0489	0.325	128		11.76	12.61	23.92	P 1 A				1 V							G P
91016	9.412	0.021	8.807	0.019		0.564	0.025	T	0.64	0.02	L	8.8986	0.0031	0.017	56		8.87	8.93						1							
91017	9.940	0.025	8.668	0.015		1.083	0.023	T	1.05	0.02	L	8.6892	0.0019	0.016	83		8.65	8.72		C				1							
91018	8.957	0.024	8.537	0.025		0.410	0.028	T	0.48	0.03	L	8.5735	0.0027	0.012	42		8.55	8.60		C				1 S							
91019	10.210	0.027	9.468	0.023		0.679	0.028	T	0.74	0.02	L	9.5723	0.0021	0.021	122		9.52	9.61						1							
91020	7.151	0.007	7.154	0.008		0.002	0.010	T	0.02	0.01	L	7.1400	0.0016	0.045	115		7.13	7.26	2.03	P 1 A				1							S
91021	8.051	0.009	8.107	0.012		−0.054	0.002	G	−0.03	0.00	H	8.1076	0.0016	0.014	84		8.08	8.13						1							S
91022	8.680	0.012	8.792	0.016		−0.100	0.015	G	−0.08	0.02	H	8.7719	0.0018	0.014	110		8.76	8.81						1							
91023	9.124	0.016	8.633	0.015		0.462	0.020	T	0.53	0.02	L	8.6816	0.0015	0.013	93		8.66	8.71		C				1							S
91024	11.350	0.076	9.641	0.026		1.430	0.015	G	1.40	0.02	A	9.6994	0.0027	0.024	109		9.66	9.75		C				1							
91025	10.764	0.054	10.132	0.050		0.582	0.054	T	0.65	0.05	L	10.0929	0.0024	0.024	96		10.05	10.14		C				1							G
91026	7.643	0.005	7.534	0.006		0.106	0.007	T	0.12	0.01	L	7.5574	0.0011	0.013	160		7.54	7.58						1							S
91027	8.675	0.009	7.465	0.006		1.035	0.008	T	1.01	0.01	L	7.5246	0.0011	0.012	142		7.51	7.54		C				1							S
91028	11.657	0.176	9.147	0.032		1.900	0.015	G	1.91	0.09	H	8.9652	0.0033	0.024	46		8.93	9.01						1							
91029	8.445	0.010	8.275	0.011		0.163	0.014	T	0.18	0.01	L	8.3206	0.0015	0.013	107		8.30	8.35						1							S
91030	10.236	0.032	9.564	0.028		0.622	0.035	T	0.69	0.03	L	9.6336	0.0025	0.018	102		9.60	9.66						1							
91031	7.461	0.009	7.352	0.008		0.099	0.000	G	0.11	0.00	H	7.3855	0.0010	0.009	50		7.37	7.41						1							S
91032	11.666	0.169	9.427	0.039		1.891	0.143	T	2.47	0.21	K	9.0566	0.0047	0.024	43		9.02	9.10						1 S							
91033	8.821	0.022	8.526	0.024		0.280	0.031	T	0.32	0.04	L	8.5456	0.0030	0.018	54		8.51	8.58						1							S
91034	8.419	0.010	7.979	0.012		0.441	0.015	G	0.51	0.02	H	8.0353	0.0015	0.015	105		8.01	8.06		C				1 S							S
91035	7.861	0.007	6.834	0.005	*	0.894	0.007	T	0.90	0.01	L	*	6.9160	0.0008	0.010	153	*	6.90	6.94		D		18342−6617	I 1	2 C	A	AB	292	4.671	0.005	2.13	0.04	S
91036	11.046	0.065	9.201	0.023		1.534	0.055	T	1.58	0.12	L	9.1778	0.0027	0.021	77		9.14	9.21						1							
91037	10.863	0.070	8.542	0.019		1.914	0.058	T	1.95	0.06	L	8.3297	0.0025	0.019	58		8.29	8.35						1 S							
91038	9.234	0.021	8.772	0.021		0.449	0.023	T	0.52	0.02	L	8.8145	0.0018	0.020	56		8.79	8.85		D				1							
91039	8.610	0.010	7.590	0.007		0.889	0.009	T	0.89	0.01	L	7.6616	0.0011	0.008	112		7.64	7.67						1							S
91040	8.907	0.016	7.748	0.011		0.995	0.015	T	0.97	0.01	L	7.8001	0.0010	0.009	82		7.78	7.81						1							
91041	6.722	0.004	6.584	0.004		0.125	0.005	T	0.14	0.01	L	6.6201	0.0009	0.009	116		6.60	6.63						1							S
91042	7.957	0.007	6.759	0.004		1.025	0.006	T	1.00	0.01	L	6.8019	0.0010	0.008	142		6.78	6.82		C				1							S
91043	8.146	0.009	7.465	0.008		0.618	0.009	T	0.69	0.01	L	7.5228	0.0035	0.031	121		7.48	7.57		U 2				1							S P
91044	8.911	0.015	8.407	0.014		0.496	0.015	G	0.57	0.02	H	8.4726	0.0024	0.015	66		8.43	8.50		C				1							
91045	10.255	0.029	9.134	0.019		0.965	0.027	T	0.95	0.02	L	9.2146	0.0019	0.020	104		9.18	9.25						1							
91046	9.771	0.028	9.630	0.038		0.204	0.003	G	0.22	0.00	H	9.6502	0.0035	0.021	51		9.62	9.68		C				1							G
91047	9.534	0.018	9.241	0.021		0.279	0.026	T	0.32	0.03	L	9.3102	0.0018	0.018	88		9.28	9.35		C				1							
91048	11.037	0.050	10.389	0.046		0.601	0.059	T	0.67	0.05	L	10.5309	0.0036	0.026	98		10.49	10.58						1							G
91049	7.551	0.008	7.759	0.012		−0.181	0.012	T	−0.19	0.01	L	7.7402	0.0019	0.016	113		7.72	7.77		U				1							S
91050	7.205	0.005	6.768	0.004		0.413	0.006	T	0.48	0.01	L	6.8135	0.0010	0.008	93		6.80	6.83		C				1							S
91051	8.955	0.019	7.319	0.010		1.369	0.017	T	1.34	0.02	L	7.3267	0.0016	0.010	58		7.31	7.34		C				1							S
91052	7.569	0.018	7.354	0.016		0.194	0.015	G	0.21	0.02	H	7.3932	0.0116	0.107	104		7.33	7.65	0.94	P 1 A				1							S
91053	9.168	0.015	8.740	0.015		0.432	0.001	G	0.50	0.00	H	8.8050	0.0022	0.017	95		8.78	8.84						1							
91054	7.223	0.008	6.907	0.008	*	0.303	0.012	T	0.35	0.02	L	*	6.9876	0.0010	0.010	106	*	6.97	7.00		D		18345−3449	I 1	2 C	A	AB	133	2.217	0.003	0.29	0.01	S
91055	10.436	0.037	8.723	0.016		1.430	0.032	T	1.42	0.05	L		8.7509	0.0016	0.013	99		8.72	8.78						1							
91056	8.604	0.009	8.326	0.009		0.264	0.012	T	0.30	0.01	L	8.3648	0.0016	0.019	169		8.33	8.40						1							S
91057	11.087	0.079	9.651	0.037		1.212	0.068	T	1.17	0.07	L	9.5427	0.0022	0.019	52		9.50	9.57		C				1							G
91058	8.157	0.008	7.620	0.007		0.511	0.008	T	0.58	0.01	L	7.6658	0.0010	0.011	139		7.65	7.69		C				1							S
91059	10.883	0.055	8.973	0.018		1.620	0.048	T	1.67	0.13	O	8.9068	0.0018	0.017	106		8.88	8.94		C				1							
91060	10.259	0.036	8.841	0.019		1.198	0.032	T	1.16	0.03	L	8.8734	0.0022	0.018	75		8.85	8.91		C				1							
91061	8.600	0.012	6.833	0.006	*	1.472	0.010	T	1.49	0.01	L	*	6.6418	0.0072	0.066	100	*	6.56	6.77		U 2		18345+5147	H 1	2 C S	C	AB	351	0.118	0.011	0.51	0.78	S
91062	7.845	0.009	6.352	0.004		1.254	0.005	G	1.21	0.01	K		6.3729	0.0011	0.009	84		6.36	6.39		C				1							S
91063	8.826	0.012	7.350	0.007		1.243	0.011	T	1.20	0.01	L		7.3821	0.0015	0.011	94		7.36	7.40						1							S
91064	8.810	0.010	8.466	0.010		0.326	0.013	T	0.38	0.02	L		8.5482	0.0015	0.019	138		8.52	8.58		C				1							
91065	7.955	0.009	7.700	0.011		0.243	0.013	T	0.27	0.02	L		7.7468	0.0016	0.013	102		7.73	7.77						1 G							S
91066	7.150	0.006	6.600	0.007		0.515	0.008	T	0.59	0.01	L		6.6379	0.0009	0.006	51		6.63	6.65		C				1							S
91067	9.282	0.017	8.029	0.011		1.068	0.016	T	1.03	0.01	L		8.0930	0.0011	0.013	115		8.08	8.12		C				1							
91068	9.798	0.028	7.941	0.013		1.544	0.024	T	1.60	0.05	L		7.8434	0.0022	0.014	74		7.82	7.87						1							
91069	8.733	0.010	8.755	0.013		−0.015	0.015	T	0.01	0.01	L		8.7632	0.0016	0.017	144		8.74	8.79		C				1							
91070	9.899	0.023	8.702	0.014	A	1.700	0.495	G	0.99	0.03	L	*	8.7407	0.0013	0.017	137	*	8.71	8.78		D		18346+3608	I 1	2 C	A	AB	76	1.090	0.016	2.75	0.08	S
91071	10.375	0.031	8.545	0.013		1.554	0.028	T	3.08	0.04	O		8.1308	0.0083	0.055	99		8.04	8.22		U 2				1 S							P
91072	7.768	0.006	7.485	0.005		0.255	0.009	G	0.29	0.01	H		7.5281	0.0008	0.009	155		7.51	7.55						1							S
91073	9.057	0.011	8.356	0.010		0.646	0.012	T	0.71	0.01	L		8.4177	0.0016	0.017	133		8.38	8.44						1							
91074	9.220	0.013	8.730	0.013		0.473	0.014	T	0.54	0.01	L		8.7789	0.0018	0.019	140		8.75	8.81		C				1							
91075	9.635	0.028	8.915	0.024		0.648	0.028	T	0.71	0.03	L		8.9274	0.0024	0.020	53		8.90	8.96				18346−2734	I 1	1 S							
91076	10.482	0.044	9.947	0.044		0.509	0.047	T	0.58	0.05	L		10.0186	0.0033	0.026	90		9.98	10.05						1 G							G
91077	7.607	0.006	7.658	0.007		−0.042	0.008	T	−0.02	0.01	L		7.6585	0.0010	0.011	132		7.64	7.68						1							S
91078	8.796	0.010	8.266	0.010		0.521	0.015	G	0.59	0.02	H		8.3174	0.0010	0.013	117		8.30	8.35		C				1							S
91079	10.955	0.051	10.318	0.046		0.586	0.051	T	0.66	0.05	L		10.4025	0.0027	0.027	87		10.37	10.46		C				1							G
91080	7.916	0.008	7.779	0.010	*	0.120	0.015	G	0.13	0.01	H	*	7.8081	0.0014	0.012	120	*	7.79	7.83		C		18347+3548	H 1	2 C S	B	AB	262	0.154	0.043	2.09	0.85	S
91081	12.193	0.185	11.079	0.110		0.960	0.168	T	0.95	0.14	L		11.1798	0.0037	0.040	116		11.09	11.24		C				1							G
91082	10.903	0.048	10.292	0.045		0.567	0.049	T	0.64	0.04	L		10.3228	0.0032	0.023	93		10.29	10.37		C				1							G
91083	8.563	0.020	8.377	0.023		0.171	0.029	T	0.19	0.03	L		8.4133	0.0018	0.010	49		8.39	8.43		C				1							
91084	8.468	0.009	6.925	0.005		1.296	0.008	T	1.26	0.01	L		6.9452	0.0007	0.009	116		6.93	6.96						1							S
91085	9.613	0.032	8.737	0.025		0.767	0.031	T	0.81	0.02	L		8.7513	0.0031	0.018	53		8.72	8.78						1							
91086	9.323	0.025	8.869	0.025		0.428	0.032	T	0.50	0.03	L		8.9346	0.0032	0.017	51		8.91	8.96						1							
91087	9.179	0.014	8.620	0.013		0.523	0.017	T	0.60	0.02	L		8.6763	0.0012	0.014	108		8.66	8.70						1							G
91088	7.281	0.005	7.214	0.006		0.067	0.007	T	0.08	0.01	L		7.2346	0.0009	0.010	174		7.22	7.25						1							S
91089	8.659	0.015	8.140	0.014		0.506	0.015	G	0.58	0.02	H		8.1994	0.0019	0.009	55		8.18	8.22		C				1							
91090	6.514	0.005	6.479	0.005		0.032	0.006	T	0.05	0.01	L		6.4956	0.0008	0.008	102		6.48	6.51		C				1							S
91091	8.903	0.014	7.525	0.009		1.166	0.013	T	1.13	0.01	L		7.5573	0.0015	0.011	79		7.54	7.58		C				1							S
91092	8.506	0.010	8.042	0.010		0.436	0.015	G	0.50	0.02	H		8.0958	0.0018	0.015	104		8.07	8.13						1							S
91093	8.271	0.009	6.964	0.006		1.130	0.015	G	1.08	0.02	A		7.0022	0.0010	0.010	87		6.99	7.02		C				1							S
91094	10.098	0.027	8.954	0.017		0.983	0.025	T	0.96	0.02	L		9.0079	0.0027	0.016	86		8.98	9.04		C				1							
91095	9.384	0.016	8.733	0.015		0.596	0.016	T	0.67	0.01	L		8.8110	0.0030	0.022	104		8.77	8.85						1							
91096	9.788	0.028	8.669	0.018		0.964	0.026	T	0.95	0.02	L		8.7318	0.0022	0.017	71		8.70	8.76		C				1							
91097	11.326	0.111	10.646	0.102	*	0.600	0.020	G	0.67	0.02	H	*	10.5148	0.0040	0.025	49	*	10.40	10.55				18349−2326	H 1	2 C	B	AB	68	0.326	0.073	2.13	0.73	G
91098	9.354	0.018	8.011	0.011		1.139	0.017	T	1.10	0.02	L		8.0531	0.0022	0.013	69		8.02	8.08		C				1							
91099	8.715	0.011	8.510	0.012		0.187	0.015	G	0.21	0.02	H		8.5536	0.0013	0.014	122		8.53	8.59						1							
91100	9.819	0.034	9.478	0.039		0.290	0.015	G	0.33	0.02	H		9.5852	0.0036	0.020	57		9.56	9.61		C				1 X							G G

Number	Descriptor: epoch J1991.25					Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)												Soln	
HIP	RA	Dec	V			α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$			F1	F2
	h m s	±° ′ ″	mag			deg	deg		mas	mas/yr		mas		mas	mas/yr													%	
1 2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28			29	30
91101	18 34 58.32	+24 54 18.6	9.67		H	278.743 010 42	+24.905 168 62		5.11	−13.37	−1.69	0.74	0.98	1.50	0.89	1.23	− 1 − 7	+24 + 8	+34	+20	+23	−29 − 9	−19							0	3.73
91102	18 34 58.55	−38 39 24.5	8.79		H	278.743 959 91	−38.656 799 91		7.32	−0.86	−110.61	1.31	0.94	1.57	1.97	1.19	−17 −19	−30	−24	+36	−32	+17	−61	+26	−47						0	0.45
91103	18 34 59.55	+54 12 32.6	7.95		H	278.748 109 12	+54.209 044 03		3.08	1.98	42.88	0.59	0.58	0.62	0.59	0.66	+ 2 + 1	−12	+ 9	+15	−10	+16	+12	− 2	+ 8						0	0.35
91104	18 35 01.33	−35 02 24.5	8.71		H	278.755 556 12	−35.040 141 27		2.67	25.00	−5.17	1.12	0.69	1.31	1.48	0.96	+ 1 −27	+ 0	+ 5	−10	+ 4	−11	−37	+16	+ 9						4	−0.34
91105	18 35 02.36	−10 58 37.9	5.12		H	278.759 848 04	−10.977 194 06		11.25	49.10	−5.04	0.69	0.48	0.78	0.71	0.56	+10 −33	− 7	+ 5	− 9	+ 7	+ 0	−17	−28	− 1						0	2.87
91106	18 35 02.56	−44 30 13.0	8.35		H	278.760 675 59	−44.503 620 48		3.23	4.99	−20.02	1.01	0.73	1.20	1.34	0.93	+ 9 −27	−27	− 5	+ 1	− 1	− 7	−34	+20	− 7						0	−0.19
91107	18 35 02.98	−71 19 26.1	7.72		H	278.762 419 14	−71.323 922 39		7.58	−20.21	−62.99	0.43	0.59	0.81	0.51	0.57	−11 −15	− 5	+18	− 5	− 7	− 4	−20	−11	−16						0	−0.50
91108	18 35 04.57	−66 10 32.3	9.04		H	278.769 025 86	−66.175 639 01		6.09	−7.67	−38.66	0.71	0.76	1.11	0.77	0.84	+23 −11	− 4	−21	+ 1	− 1	− 2	−14	+14	+40						0	0.54
91109	18 35 06.82	+52 56 00.8	9.10		H	278.778 420 76	+52.933 553 54		1.33	7.50	12.26	0.88	0.76	0.92	0.89	0.92	+13 −27	− 5	−16	+ 9	− 7	+ 1	+ 4	+22	+23						0	1.42
91110	18 35 06.90	+15 06 19.5	8.18		H	278.778 736 10	+15.105 413 14		5.69	3.84	1.19	0.83	0.61	1.01	0.88	0.73	− 7 −34	− 2	−13	+ 5	+13	− 3	−30	+28	+ 6						1	−0.07
91111	18 35 07.34	−62 11 02.0	9.00		H	278.780 593 69	−62.183 891 61		4.23	11.77	−35.73	1.08	0.88	1.37	1.36	1.04	+ 9 −11	− 6	− 1	−12	− 7	−13	+ 1	+16	+12						0	0.58
91112	18 35 07.88	−16 59 07.9	7.10		H	278.782 845 41	−16.985 532 24		0.35	−0.22	−1.50	0.90	0.72	0.97	1.15	0.85	− 7 − 4	−27	−31	+10	−24	+ 3	−41	+19	−22						0	0.07
91113 H	18 35 08.21	+00 02 34.9	7.94		H	278.784 217 10	+00.043 030 76	*	0.20	1.19	−10.16	2.19	1.71	1.47	1.62	1.37	+ 9 + 6	−33	−50	−12	−11	−10	−47	+10	+48						3	−0.06
91114 H	18 35 08.83	−75 39 12.9	9.35		H	278.786 773 79	−75.653 587 48	A	1.76	−3.30	8.19	1.58	1.86	2.20	1.68	2.01	+ 0 − 8	+ 4	− 2	−14	+11	−15	− 5	− 4	− 4						2	1.60
*91115	18 35 09.41	+63 41 49.2	8.10		G	278.789 219 27	+63.697 007 15	A	18.76	−20.62	−259.02	1.05	1.01	0.97	1.09	1.22	+ 6 + 4	− 8	+ 0	+ 2	−10	+ 2	+24	−11	+ 1						3	0.93
*91116	18 35 09.34	−55 34 57.2	7.62		H	278.788 921 99	−55.582 564 70		3.07	−1.81	−1.22	0.87	0.67	1.13	0.99	0.72	−10 −10	−30	+42	−22	+15	−18	+ 7	+18	− 7						0	0.19
91117	18 35 12.44	−08 14 35.9	3.85		H	278.801 824 42	−08.243 308 19		18.72	−18.98	−314.63	0.70	0.52	0.81	0.78	0.65	−12 −23	+11	+12	−21	+18	−23	−20	−41	−51						0	1.76
91118	18 35 12.59	+18 12 12.2	5.79		H	278.802 456 37	+18.203 392 02		4.82	21.25	7.46	0.50	0.47	0.74	0.61	0.57	−18 − 2	−17	−24	+21	− 6	+21	−35	+26	+ 5						1	0.24
91119 H	18 35 13.50	+34 27 28.8	6.10		G	278.806 261 44	+34.458 001 06	*	3.14	2.83	8.41	0.49	1.39	0.60	0.53	0.69	− 3 − 8	− 9	+17	− 2	+ 0	− 6	+ 1	− 1	+ 4						2	−0.21
91120	18 35 14.49	+41 34 52.9	7.16		H	278.810 379 27	+41.581 354 04		20.14	2.63	82.06	0.48	0.54	0.60	0.54	0.81	+ 8 −17	−17	+ 8	− 5	− 6	− 6	+ 3	− 6	+ 5						0	1.04
91121	18 35 15.10	+72 16 27.2	7.37		H	278.812 930 02	+72.274 218 28		6.16	13.59	−8.00	0.51	0.54	0.56	0.54	0.61	+ 9 −20	+ 4	− 3	+ 3	−16	+ 7	−11	−12	+26						0	0.63
91122	18 35 15.43	−67 32 11.4	8.78		H	278.814 294 99	−67.536 494 43		6.37	−3.71	−52.63	0.79	0.85	1.24	0.86	1.11	+ 0 − 7	−11	−33	− 5	+ 7	−11	−10	+14	+23						0	−0.10
91123	18 35 15.48	+47 26 10.7	8.52		H	278.814 518 96	+47.436 310 09		3.20	9.64	4.74	0.74	0.65	0.73	0.80	0.78	+13 − 5	− 5	+27	+13	− 5	+14	+30	+ 5	+11						1	0.86
91124	18 35 15.91	−45 56 27.0	8.36		G	278.816 275 14	−45.940 826 36		−0.38	1.75	−7.45	0.90	0.65	1.04	1.22	0.87	− 1 −25	− 2	+ 7	+ 3	+12	− 1	− 8	+16	+ 5						0	1.61
91125	18 35 16.27	−39 41 39.5	7.17		H	278.817 790 24	−39.694 313 60		5.80	2.92	−28.16	0.77	0.51	0.88	0.95	0.58	− 4 −24	−16	+ 1	− 2	+ 0	− 8	−37	+ 5	−22						0	0.93
91126	18 35 16.63	−41 12 13.8	9.35		H	278.819 294 04	−41.203 819 63		7.18	−44.17	−61.17	2.68	1.92	3.01	3.38	2.02	+ 6 −12	−25	+ 1	− 3	− 7	− 8	−43	+ 1	− 7						0	
91127 H	18 35 17.64	+21 44 36.8	9.02		H	278.823 498 23	+21.743 546 91	*	6.18	−7.90	−3.51	2.45	2.57	1.63	1.18	1.23	−24 −30	+ 0	+56	+17	−22	+11	+ 7	− 5	−41						1	0.83
91128	18 35 18.01	+45 44 35.4	9.84		G	278.825 051 66	+45.743 155 34		64.61	451.80	364.58	0.94	0.92	1.03	1.14	1.07	− 2 − 4	+ 0	−12	+16	− 9	+12	+12	− 1	+12						0	−0.70
91129	18 35 19.18	+28 41 57.9	11.39		G	278.829 910 71	+28.699 404 50		3.59	−16.57	−279.98	1.37	1.49	2.15	1.61	1.81	− 3 −10	+ 9	+ 5	+12	− 3	+12	+ 3	− 1	+ 4						2	1.97
91130	18 35 20.47	−22 05 27.3	8.00	2	G	278.835 297 52	−22.090 929 77	A	2.10	1.90	−3.02	1.97	1.20	1.86	2.40	1.51	+ 8 −39	−28	+31	−19	+12	−21	−11	+11	− 7						0	0.21
91131	18 35 20.60	−16 08 26.3	7.76		G	278.835 820 66	−16.140 630 13		12.16	−3.01	−71.51	0.97	0.79	1.11	1.23	0.91	+ 0 −23	−39	−14	+22	+ 1	+18	−28	+12	−28						0	−0.72
91132	18 35 21.31	−20 50 25.6	6.49	1	H	278.838 801 26	−20.840 438 68		10.71	28.68	−1.39	0.92	0.54	0.92	0.99	0.63	−10 −47	− 9	+29	−18	+ 5	−19	+ 1	− 3	−33						0	−0.01
91133	18 35 21.93	−09 03 05.5	9.09		H	278.841 394 66	−09.051 514 34		2.11	−2.29	6.78	1.24	0.88	1.54	1.17	0.96	+ 6 −40	−19	−26	− 3	+26	+11	−30	−36	−30						0	0.96
91134	18 35 23.39	−10 09 07.7	9.20		H	278.847 476 32	−10.152 131 36		2.98	4.96	1.41	1.41	1.01	1.61	1.49	1.23	+36 −22	−18	−17	−19	− 1	−19	−37	−16	+22						0	2.16
91135	18 35 23.69	−19 16 06.6	6.77	2	H	278.848 698 03	−19.268 506 24		6.37	32.60	−11.69	1.00	0.60	1.07	0.94	0.63	+14 −57	−21	+19	− 2	+ 2	− 4	+ 5	− 6	−19						0	−1.21
*91136	18 35 26.60	+60 40 09.1	9.17		H	278.860 853 93	+60.669 206 67		5.75	−3.44	54.52	0.81	0.76	0.81	1.02	0.87	+ 0 − 1	+ 3	+35	+10	+13	+12	+17	− 5	+14						1	0.77
*91137	18 35 26.57	−32 53 26.8	6.86		H	278.860 715 14	−32.890 767 11		5.44	7.11	4.42	0.81	0.53	0.93	1.20	0.80	−30 − 7	−22	− 4	+31	−25	+20	−54	+40	−43						0	−1.13
91138	18 35 28.07	+15 27 59.8	9.28		H	278.866 942 99	+15.466 610 59		20.77	−28.01	−96.01	1.30	0.95	1.63	1.41	1.18	+17 −47	−18	−15	−10	+17	−19	−32	+27	+14						0	1.06
91139 H	18 35 30.39	+23 36 19.9	5.62		H	278.876 645 11	+23.605 528 70	A	6.70	3.31	0.73	0.74	1.30	1.38	0.80	1.39	+12 −13	−15	+20	+13	− 5	+ 3	−21	+ 7	−10						2	−0.63
91140	18 35 31.14	+21 04 27.1	8.97	2	H	278.879 758 84	+21.074 194 77	A	7.25	41.16	3.97	1.74	1.75	2.28	1.38	1.49	− 5 + 3	− 3	+26	+25	+ 6	+25	−14	+14	− 8						6	1.59
91141	18 35 32.11	+33 40 59.4	11.11		H	278.883 796 92	+33.683 157 55		0.52	4.82	−12.52	1.22	1.36	1.68	1.34	1.73	+ 8 −14	− 9	+11	+ 3	+ 0	+ 2	+19	+ 6	+ 5						0	0.26
91142	18 35 36.48	+04 56 09.8	6.47		G	278.901 982 02	+04.936 061 08		9.74	30.70	−29.84	0.72	0.46	0.94	0.68	0.58	+25 −48	−37	−10	+21	+10	+18	−26	+21	+ 9						0	0.39
91143	18 35 36.76	−18 33 02.2	7.08	1	G	278.903 152 33	−18.550 621 06		1.69	−0.24	−0.78	1.03	0.66	1.05	1.15	0.78	+ 5 −47	−19	+31	+12	− 3	+ 9	+ 8	+ 1	− 8						0	−0.16
91144	18 35 36.84	+40 19 53.1	7.68		H	278.903 496 17	+40.331 412 48		6.74	−5.42	−5.94	0.57	0.67	0.73	0.58	1.01	−14 −10	−17	− 7	+10	−11	+10	−15	+ 2	−24						2	1.42
91145	18 35 37.11	+40 46 10.8	7.73	1	H	278.904 604 75	+40.769 653 57		5.21	3.04	−5.30	0.58	0.69	0.76	0.64	1.06	− 4 −14	−25	+ 7	+ 4	−19	− 1	+ 5	+ 0	−23						0	1.23
91146	18 35 37.29	−69 56 20.0	9.24		H	278.905 394 99	−69.938 881 15		6.93	9.19	−22.47	0.57	0.86	1.31	0.62	1.00	+ 1 −11	− 6	+41	−17	+ 0	−22	+ 2	−14	−18						0	0.50
91147	18 35 40.17	−39 48 41.6	10.44		H	278.917 390 99	−39.811 563 56		−2.63	−6.38	−14.90	1.73	1.17	1.94	2.20	1.38	− 2 −27	+ 4	+ 0	+ 0	+ 0	+ 0	−32	− 9	−10						0	−0.75
91148	18 35 41.58	+37 40 12.8	8.61		H	278.923 268 37	+37.670 231 83		10.57	−27.18	94.36	0.66	0.65	0.80	0.75	0.82	+ 0 − 7	−18	+15	+ 5	−24	+ 1	+ 5	− 2	− 5						0	1.06
91149	18 35 43.56	−29 56 15.1	6.91		G	278.931 492 15	−29.937 523 33		0.79	1.91	1.39	0.91	0.56	0.99	1.01	0.63	+ 1 −41	+11	+ 8	−19	−14	−16	−42	−15	−12						0	−0.23
91150 H	18 35 45.71	+25 22 00.9	8.60		H	278.940 443 54	+25.366 928 41	*	3.63	−0.02	−8.27	0.63	0.69	1.09	0.78	0.85	+ 1 − 8	+ 6	+23	+24	− 1	+20	−15	+ 4	− 7						1	1.59
91151	18 35 45.82	+73 16 51.3	7.43		H	278.940 907 17	+73.280 925 42		3.29	−26.44	−26.35	0.57	0.53	0.62	0.64	0.65	+15 − 8	+ 5	− 2	+ 5	− 8	+ 6	+ 7	−30	+15						0	2.99
91152	18 35 46.09	+27 12 41.6	8.05		H	278.942 031 70	+27.211 548 35		3.91	0.25	−3.51	0.53	0.54	0.89	0.67	0.66	+ 2 + 6	+ 6	+ 3	+18	−14	+19	− 4	+14	− 3						0	0.34
91153 H	18 35 47.21	−33 57 08.9	9.26		H	278.946 714 12	−33.952 469 05	A	−0.16	4.28	−5.04	2.45	1.66	3.14	2.99	2.14	− 8 − 1	−38	− 4	+22	−20	+ 9	−62	+54	−26						1	0.19
91154	18 35 49.87	−61 13 33.1	9.34		G	278.957 781 81	−61.225 869 21		46.38	−19.79	−425.98	1.13	1.03	1.41	1.40	1.06	−18 −15	−32	+25	−39	+ 0	−38	+27	+ 2	−27						0	0.88
91155	18 35 50.61	−42 37 59.8	9.10		G	278.960 886 99	−42.633 278 68		0.35	4.15	−6.72	1.30	0.93	1.52	1.75	1.09	+ 1 −21	− 6	+ 2	+ 9	−19	− 2	−35	+11	−26						0	−0.54
91156	18 35 52.12	+10 01 46.9	10.44		G	278.967 158 17	+10.029 707 70		3.30	4.57	−3.09	1.48	1.10	1.72	2.04	1.53	+23 − 3	+ 2	+13	+17	+ 7	+21	−17	+ 8	+35						0	0.77
*91157	18 35 53.19	+81 22 07.9	9.64		H	278.971 608 76	+81.368 855 12		18.46	−59.61	334.17	0.89	0.88	0.94	1.05	0.96	+ 4 −11	+ 5	− 7	+ 7	+ 2	− 3	−29	+ 2	+24						0	0.61
*91158	18 35 53.13	−33 10 30.4	8.39		H	278.971 362 83	−33.175 115 77		−0.94	−9.55	−13.83	1.03	0.70	1.26	1.44	1.02	−27 −11	−29	−14	+33	−20	+21	−60	+44	−35						0	−1.44
*91159 H	18 35 53.19	+16 58 33.1	6.21		H	278.971 635 54	+16.975 869 94	A	29.23	49.09	−71.19	1.59	1.48	1.54	1.32	1.27	−32 + 9	− 4	+ 0	+24	+18	+29	−17	+12	− 1						2	0.86
*91160	18 35 53.16	−49 08 00.0	10.17		H	278.971 508 72	−49.133 345 99		5.29	−17.79	−16.08	1.74	1.42	2.06	2.60	1.74	+12 −17	+20	− 3	− 8	−27	− 2	−23	−12	+13						5	3.60
91161	18 35 54.35	+08 05 17.3	9.11		H	278.976 458 11	+08.088 125 58		4.45	6.80	7.14	1.05	0.74	1.24	1.22	1.06	+16 −36	−24	−24	− 2	+14	+ 2	−16	+ 2	−12						0	−0.32
91162 H	18 35 54.41	−44 25 44.6	9.32		G	278.976 718 16	−44.429 061 39	A	−0.90	5.52	−8.10	1.53	1.14	1.64	1.79	1.27	+21 −20	−31	−14	− 7	− 9	−12	−45	+26	+17						0	0.18
*91163	18 35 54.74	+72 22 48.8	6.81		H	278.978 100 34	+72.380 215 91		5.48	24.25	17.83	0.48	0.50	0.53	0.52	0.58	+ 9 −22	+ 9	+ 0	− 2	−17	+ 4	−11	−16	+27						0	0.72
*91164	18 35 54.71	+43 03 20.2	7.25		H	278.977 975 01	+43.055 613 86		11.94	−18.92	−6.19	0.48	0.58	0.62	0.51	0.84	− 1 + 6	−20	− 2	− 8	− 3	−11	−10	−12	+ 6						0	0.97
91165	18 35 54.88	+25 54 49.6	9.72		H	278.978 674 28	+25.913 779 26		−1.24	1.09	−3.54	1.49	1.65	2.55	1.77	2.06	+10 − 2	+ 6	+12	+18	+ 7	+19	− 1	+ 6	+12						0	
91166	18 35 55.72	+22 45 19.9	7.63		H	278.982 153 98	+22.755 534 88		7.67	15.53	11.77	0.36	0.51	0.82	0.41	0.67	+ 9 − 7	− 5	+25	+22	+ 9	+24	+19	+ 1	−12						0	1.19
91167 H	18 35 57.07	+11 43 42.2	7.64		H	278.987 786 78	+11.728 398 32	A	5.59	12.16	−9.97	2.84	1.87	1.94	1.97	1.45	+18 −13	−13	−19	− 2	+10	− 5	−29	+27	+ 8						2	−0.78
91168	18 35 57.73	+25 42 18.8	8.66		G	278.990 540 63	+25.705 211 35		5.21	10.01	−21.57	0.62	0.68	1.06	0.75	0.80	+ 5 − 4	+13	+21	+27	+ 5	+25	+11	+ 2	− 2						1	1.56
91169	18 35 57.92	+19 53 00.0	8.63		H	278.991 327 28	+19.883 321 32		7.48	2.85	22.38	0.62	0.72	1.26	0.78	1.02	+18 + 1	−21	+21	− 7	+25	+ 2	−13	+30	+35						0	0.11
91170	18 35 58.20	−60 22 43.7	7.94		H	278.992 508 24	−60.378 808 58		2.65	4.29	−10.26	0.79	0.69	0.91	0.95	0.70	− 8 −10	+18	+27	−38	− 8	−28	−17	−14	+ 5						0	1.16
91171	18 35 58.46	+05 25 00.0	8.81		H	278.993 586 90	+05.416 677 80		3.48	1.87	−4.38	1.06	0.71	1.33	1.10	0.91	+30 −42	−27	−18	+ 4	+15	+ 1	−29	+23	+24						0	−1.10
91172	18 35 59.64	−29 41 56.7	6.36		H	278.998 506 22	−29.699 079 52		3.08	4.60	−9.93	0.90	0.57	0.96	1.04	0.64	+12 −34	+ 8	+10	−28	−18	−30	−40	−12	−11						0	−0.93
91173	18 35 59.80	−58 33 32.9	9.02		H	278.999 187 15	−58.559 140 30		−0.23	4.81	0.87	1.21	0.83	1.27	1.37	0.91	−17 −38	+ 0	+36	− 9	− 9	−14	−12	+12	−24						0	−0.84
91174	18 36 00.14	−14 03 56.0	7.21		H	279.000 575 91	−14.065 561 59		3.63	−3.37	−7.83	0.83	0.59	0.89	0.90	0.69	− 4 −28	−17	+ 2	+11	+ 6	+15	−12	− 4	− 1						5	−1.21
91175	18 36 01.19	+75 30 24.0	8.17		H	279.004 948 83	+75.506 678 94		4.35	9.22	−6.10	0.71	0.57	0.67	0.71	0.71	+ 8 −33	− 4	−32	+ 6	− 1	+ 7	+11	−12	+15						0	−1.42
91176	18 36 02.72	+12 08 33.5	9.05		H	279.011 330 83	+12.142 634 49		1.96	−11.79	1.95	1.10	0.85	1.47	1.36	1.06	+ 8 −33	−35	−23	− 5	− 8	−19	−62	+43	− 1						0	−0.67
91177	18 36 03.63	+70 28 01.4	7.71		H	279.015 109 97	+70.467 058 72		1.52	2.25	5.56	0.65	0.57	0.64	0.76	0.63	+ 5 −15	− 2	−27	− 5	−11	− 4	−12	−18	+16						0	0.91
91178	18 36 03.65	+44 28 01.6	9.10		H	279.015 188 90	+44.467 116 89		2.49	2.05	0.54	0.71	0.71	0.80	0.77	0.79	+11 + 4	+ 3	−13	+ 2	− 8	+ 1	+17	+ 0	+14						0	−0.52
91179	18 36 05.70	−36 12 49.7	10.52		H	279.023 757 52	−36.213 816 13		0.27	−13.96	−11.99	2.02	1.39	2.40	2.68	1.75	− 5 −12	−11	−16	+11	− 5	+ 8	−51	+18	− 7						2	−0.39
91180	18 36 06.57	+11 51 13.6	8.17		H	279.027 367 54	+11.853 783 40		5.52	7.30	−16.26	0.94	0.70	1.21	1.07	0.83	+16 −38	−40	− 4	+11	−16	− 9	−46	+40	+ 1						1	−0.52
91181	18 36 06.65	+36 58 09.0	7.52		H	279.027 725 37	+36.969 159 77		2.39	−6.07	4.08	0.53	0.54	0.67	0.57	0.67	+ 6 −15	−20	−12	+ 2	+ 3	+ 1	− 3	+12	+ 6						0	−0.26
91182	18 36 07.50	−24 26 11.3	8.49		H	279.031 246 57	−24.436 482 09		5.57	−9.37	3.21	1.26	0.85	1.35	1.60	1.05	+26 −35	−31	+31	+ 0	−12	−19	−11	+24	−13						0	−0.56
91183	18 36 07.56	−38 27 41.3	8.91		H	279.031 485 17	−38.461 467 87		2.55	23.74	−17.66	1.27	0.87	1.44	1.66	1.09	−13 −30	− 4	−22	+11	−11	+ 9	−56	+ 6	−15						0	−0.18
91184	18 36 07.79	+09 11 27.6	9.90		H	279.032 470 51	+09.191 005 80		−0.13	−5.82	−11.62	1.36	0.95	1.52	1.59	1.36	+21 −14	−25	−27	+ 6	+ 8	+11	−42	+22	+21						2	−0.28
91185	18 36 07.84	−06 44 31.3	6.95		H	279.032 669 94	−06.742 017 93		6.09	−2.26	−17.49	0.79	0.54	0.90	0.67	0.54	+10 −46	−12	−10	+ 5	+ 4	+ 2	−31	+ 2	− 8						0	0.87
91186 H	18 36 07.94	+23 44 14.0	8.87		H	279.033 103 21	+23.737 217 45	A	2.05	20.54	−6.21	1.05	1.17	1.71	1.20	1.40	+ 3 + 1	−12	+20	+14	+ 0	+11	−20	+19	+ 1						1	0.20
91187	18 36 09.14	−10 53 24.9	8.52		H	279.038 104 03	−10.890 242 90		24.08	126.30	−194.08	1.10	0.75	1.28	1.10	0.86	+20 −40	−24	−15	−11	+14	+ 0	−23	−24	− 5						0	−0.15
91188	18 36 09.31	−26 34 10.7	9.05		H	279.038 804 17	−26.569 635 89		3.96	13.00	−4.37	1.44	1.00	1.44	1.92	1.27	−32 −18	− 5	+ 9	+24	−21	+12	− 7	+34	−45						0	0.07
91189	18 36 10.29	−60 04 11.4	8.78		H	279.042 855 91	−60.069 822 06		9.35	14.12	−55.20	0.96	0.86	1.14	1.13	0.86	+17 −30	−10	+ 5	−42	+ 4	−35	−22	+ 0	+12						2	1.95
91190	18 36 10.62	+65 04 29.8	8.40		H	279.044 269 58	+65.074 945 87		5.54	3.05	3.08	0.62	0.60	0.63	0.67	0.67	+ 5 + 1	+11	+ 4	+23	−13	+25	+13	+ 6	+12						0	−1.28
91191	18 36 11.53	+11 14 35.6	7.71		H	279.048 048 98	+11.243 223 83		5.06	−7.13	−13.59	0.76	0.55	0.85	0.90	0.71	+ 1 −27	−11	+ 2	+26	− 3	+23	−20	+19	+10						0	−1.12
91192 H	18 36 11.99	+41 16 41.1	6.92	1	H	279.049 974 30	+41.278 073 82	B	4.77	3.29	12.91	1.81	2.14	1.72	1.32	1.92	+ 4 − 2	−13	+ 8	+ 1	− 7	+ 2	+12	+ 2	− 5						12	2.22
91193	18 36 12.05	−65 31 56.7	8.38	2	H	279.050 188 26	−65.532 427 86		−0.03	−4.68	−16.54	0.64	0.70	1.06	0.79	0.73	+14 −12	−25	− 4	+ 2	+ 4	+ 1	+ 1	+ 9	+16						0	−0.14
91194	18 36 12.34	−13 50 01.7	7.85		H	279.051 400 88	−13.833 810 79		4.50	−2.81	−6.01	0.96	0.68	1.06	1.20	0.86	−15 − 4	−22	+11	− 6

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
91101	10.207	0.022	9.704	0.021		0.473	0.028	T	0.54	0.03	L	9.7729	0.0024	0.029	187		9.72	9.84					1 G							G
91102	9.626	0.025	8.901	0.021		0.651	0.025	T	0.71	0.02	L	8.9294	0.0026	0.018	70		8.90	8.96		C			1							
91103	9.349	0.015	8.061	0.009		1.120	0.015	G	1.08	0.02	H	8.1136	0.0012	0.012	112		8.09	8.13		C			1							
91104	10.263	0.033	8.836	0.018		1.205	0.029	T	1.16	0.03	L	8.8713	0.0017	0.017	93		8.84	8.90					1							
91105	6.279	0.005	5.225	0.003		0.926	0.001	G	0.92	0.00	H	5.2804	0.0011	0.006	64		5.27	5.29					1							S
91106	9.579	0.022	8.453	0.014		0.969	0.020	T	0.95	0.02	L	8.5142	0.0018	0.012	83		8.49	8.54		C			1							
91107	9.282	0.010	7.852	0.006		1.191	0.003	G	1.15	0.00	H	7.8817	0.0014	0.015	226		7.85	7.91					1							S
91108	9.363	0.012	9.065	0.013		0.283	0.019	T	0.32	0.02	L	9.1101	0.0018	0.022	154		9.07	9.15		C			1							
91109	10.267	0.031	9.243	0.021		0.892	0.028	T	0.90	0.02	L	9.2598	0.0031	0.024	104		9.23	9.30		R			1							
91110	8.421	0.009	8.200	0.010		0.211	0.013	T	0.23	0.01	L	8.2418	0.0017	0.015	107		8.22	8.27		C			1							
91111	10.615	0.053	9.099	0.026		1.274	0.046	T	1.23	0.05	L	9.1621	0.0023	0.019	72		9.12	9.20		D			1							
91112	7.612	0.011	7.158	0.012		0.431	0.002	G	0.50	0.00	H	7.2009	0.0011	0.007	39		7.19	7.22					1							S
91113	8.737	0.016	8.063	0.014	*	0.624	0.018	T	0.69	0.02	L	* 8.0762	0.0028	0.022	57	*	8.04	8.18		D	18351+0003	I 1	2 C	A	AS	215	0.275	0.005	0.12	0.06	
91114	9.354	0.039	8.882	0.029	*	0.445	0.045	T	0.51	0.05	L	* 9.4522	0.0024	0.031	181	*	9.39	9.51		D	18352−7539	I 1	2 C	A	AB	152	1.801	0.008	1.36	0.04	
91115	8.759	0.011	8.153	0.010	A	0.564	0.015	G	0.64	0.01	H	8.2070	0.0215	0.028	109	A	8.17	8.24		D	18352+6342	I 1	2 C	D	AB	23	19.950	0.046	2.70	0.23	S D
91116	9.842	0.023	7.841	0.009		1.658	0.020	T	1.68	0.02	L	7.7258	0.0017	0.012	88		7.70	7.75					1							S
91117	5.586	0.004	4.003	0.004		1.317	0.047	G	1.28	0.02	A	4.0072	0.0011	0.006	53		4.00	4.02					1							S
91118	5.793	0.003	5.788	0.003		0.006	0.004	T	0.03	0.00	L	5.7972	0.0006	0.006	110		5.79	5.81		C			1 S							S
91119	5.955	0.003	6.077	0.003	*	−0.115	0.003	G	−0.10	0.00	H	* 6.0691	0.0009	0.008	128	*	6.06	6.08			18352+3427	M 1	2 C	C	AB	264	0.218	0.028	3.35	0.35	S
91120	7.687	0.006	7.218	0.006		0.442	0.008	T	0.51	0.01	L	7.2551	0.0008	0.007	119		7.23	7.27					1							S
91121	8.778	0.011	7.489	0.007		1.096	0.010	T	1.06	0.01	L	7.5366	0.0012	0.009	120		7.52	7.55					1							S
91122	9.255	0.013	8.815	0.013		0.429	0.015	T	0.50	0.02	L	8.8737	0.0022	0.021	143		8.84	8.92					1							
91123	9.967	0.023	8.637	0.013		1.129	0.021	T	1.09	0.02	L	8.6920	0.0016	0.013	113		8.67	8.73		C			1							
91124	8.084	0.010	8.325	0.014		−0.208	0.005	G	−0.22	0.01	H	8.2946	0.0024	0.015	77		8.26	8.32		C			1							
91125	7.485	0.005	7.205	0.005		0.266	0.007	T	0.30	0.01	L	7.2390	0.0010	0.008	96		7.23	7.26		C			1							S
91126	10.143	0.031	9.414	0.027		0.654	0.031	T	0.72	0.03	L	9.4878	0.0027	0.019	75		9.45	9.52					1 X							
91127	9.291	0.013	9.061	0.015	*	0.219	0.019	T	0.24	0.02	L	* 9.0840	0.0019	0.022	185	*	9.05	9.12		D	18353+2145	I 1	2 C	A	AB	149	0.271	0.015	1.30	0.21	
91128	11.447	0.082	10.074	0.040		1.415	0.013	G	1.71	0.03	I	9.9292	0.0015	0.023	108		9.88	9.96					1							G
91129	11.703	0.087	11.295	0.100		0.448	0.068	G	0.52	0.07	H	11.5271	0.0055	0.052	161		11.41	11.59					1							G
91130						0.120	0.015	G	0.13	0.01	H	8.0942	0.0110	0.032	56	A	8.02	8.15		U 2 C	18353−2205	I 1	2 C	B	AB	270	11.380	0.079	3.54	0.22	S
91131	8.275	0.014	7.818	0.014		0.478	0.015	G	0.55	0.02	H	7.8575	0.0020	0.011	44		7.84	7.89					1							S
91132	6.822	0.006	6.513	0.006		0.280	0.003	G	0.32	0.00	H	6.5611	0.0030	0.015	54		6.53	6.58		U 2			1							S P
91133	10.729	0.054	9.295	0.027		1.000	0.040	G	0.98	0.03	R	9.2539	0.0033	0.015	60		9.22	9.28		C			1							
91134	10.225	0.041	9.319	0.030		0.804	0.038	T	0.83	0.03	L	9.3475	0.0030	0.029	51		9.30	9.39		R			1 S							G
91135	9.032	0.018	7.059	0.008		1.770	0.015	G	2.92	0.05	F	6.7010	0.0067	0.043	60		6.64	6.77		U 2			1 S							S P
91136	9.623	0.017	9.214	0.018		0.387	0.023	T	0.45	0.03	L	9.2578	0.0017	0.020	103		9.22	9.29		D			1							
91137	7.018	0.006	6.883	0.006		0.122	0.008	T	0.14	0.01	L	6.9086	0.0008	0.010	129		6.89	6.93		C			1							S
91138	10.361	0.030	9.374	0.021		0.864	0.027	T	0.88	0.02	L	9.4421	0.0036	0.029	102		9.39	9.50		R			1							
91139	6.933	0.004	5.749	0.003	*	1.015	0.004	T	0.99	0.00	L	* 5.7882	0.0006	0.007	203	*	5.78	5.80		D	18355+2336	I 1	2 C	A	AB	8	0.684	0.002	0.20	0.01	S
91140	9.675	0.021	9.065	0.019	A	0.568	0.025	T	0.64	0.02	L	9.0699	0.0092	0.043	125	A	9.02	9.15		U 2 C	18355+2104	I 1	2 C	A	AB	221	11.287	0.010	1.61	0.04	
91141	11.909	0.164	11.144	0.123		0.640	0.126	G	0.70	0.11	R	11.2399	0.0037	0.036	127		11.18	11.30					1							G
91142	6.573	0.004	6.469	0.004		0.075	0.004	G	0.09	0.00	H	6.4959	0.0008	0.009	107		6.48	6.51			18356+0456	I 1	1							S
91143	7.302	0.007	7.122	0.009		0.218	0.009	G	0.24	0.01	H	7.1454	0.0020	0.015	49		7.12	7.17		U 2			1							S
91144	7.776	0.008	7.686	0.009		0.088	0.011	T	0.10	0.01	L	7.7117	0.0012	0.011	115		7.69	7.73		C			1							S
91145	8.060	0.009	7.771	0.010		0.299	0.015	G	0.34	0.02	H	7.8080	0.0018	0.019	106		7.78	7.84		U			1							S
91146	9.689	0.012	9.273	0.012		0.407	0.014	T	0.47	0.01	L	9.3365	0.0016	0.027	278		9.29	9.39					1							
91147	11.410	0.098	10.543	0.074		0.960	0.020	G	0.95	0.02	H	10.6039	0.0047	0.035	81		10.55	10.66					1							G
91148	9.272	0.014	8.681	0.013		0.563	0.015	G	0.64	0.01	H	8.7324	0.0016	0.014	115		8.70	8.76		C			1							
91149	8.432	0.012	7.051	0.007		1.169	0.011	T	1.13	0.01	L	7.0828	0.0008	0.010	97		7.07	7.10		D			1							S
91150	8.773	0.008	8.610	0.009	*	0.156	0.011	T	0.17	0.01	L	* 8.6536	0.0020	0.019	178	*	8.61	8.69			18358+2522	H 1	2 C S	A	AB	106	0.149	0.007	0.47	0.33	S
91151	8.583	0.013	7.533	0.009		0.912	0.012	T	0.91	0.01	L	7.5926	0.0009	0.010	93		7.58	7.61		C			1 G							S
91152	9.286	0.012	8.155	0.008		0.973	0.011	T	0.96	0.01	L	8.2163	0.0013	0.015	153		8.19	8.24		C			1							
91153	10.765	0.052	9.633	0.031	A	1.277	0.214	G	0.83	0.07	B	* 9.4070	0.0025	0.018	102	*	9.38	9.44		R	18358−3357	I 1	2 C	A	AB	336	6.515	0.008	1.48	0.04	
91154	10.743	0.045	9.459	0.026		1.152	0.002	G	1.25	0.00	I	9.4568	0.0038	0.027	77		9.42	9.51					1							
91155	11.207	0.076	9.281	0.024		1.576	0.011	G	1.58	0.09	H	9.2305	0.0033	0.022	77		9.21	9.28					1							
91156	10.479	0.049	10.325	0.066		0.167	0.002	G	0.18	0.00	H	10.4593	0.0050	0.031	67		10.38	10.52		C			1							G
91157	10.679	0.042	9.703	0.029		0.844	0.040	T	0.89	0.04	L	9.7808	0.0023	0.022	95		9.74	9.82		C			1							
91158	10.640	0.054	8.578	0.017		1.640	0.015	G	1.65	0.09	H	8.5010	0.0022	0.021	125		8.47	8.54					1							
91159	6.483	0.010	5.882	0.009	*	0.542	0.015	G	0.63	0.07	F	* 6.3329	0.0014	0.012	111	*	6.32	6.35		D	18358+1658	I 1	2 C	A	AB	159	1.718	0.004	0.09	0.01	S
91160	10.893	0.061	10.142	0.053		0.686	0.064	T	0.74	0.05	L	10.3074	0.0050	0.030	70		10.22	10.37		C			1							G
91161	9.392	0.019	9.139	0.022		0.241	0.027	T	0.27	0.03	L	9.1810	0.0022	0.017	85		9.15	9.22		C			1							
91162	8.793	0.014	8.836	0.019	A	0.665	0.015	G	0.15	0.10	S	* 8.7881	0.0030	0.020	86	*	8.75	8.81		R	18359−4426	H 1	2 C	A	AB	22	7.854	0.019	2.90	0.10	
91163	8.540	0.009	6.941	0.005		1.340	0.008	T	1.30	0.01	L	6.9625	0.0010	0.007	111		6.95	6.97					1							S
91164	8.449	0.013	7.367	0.007		0.936	0.011	T	0.93	0.01	L	7.4110	0.0010	0.009	102		7.39	7.43		C			1							S
91165	10.046	0.019	9.747	0.023		0.284	0.028	T	0.32	0.04	L	9.7919	0.0030	0.033	169		9.73	9.84		C			1 X							G
91166	7.867	0.005	7.657	0.005		0.201	0.007	T	0.22	0.01	L	7.6964	0.0007	0.013	284		7.68	7.72					1							S
91167	7.956	0.009	7.681	0.008	*	0.262	0.011	T	0.29	0.01	L	* 7.7168	0.0014	0.010	107	*	7.70	7.74		D	18360+1144	I 1	2 C	A	AB	93	0.357	0.003	0.09	0.03	S
91168	8.932	0.009	8.680	0.010		0.241	0.016	G	0.27	0.02	H	8.7288	0.0016	0.020	184		8.70	8.77					1							
91169	9.312	0.014	8.676	0.013		0.591	0.017	T	0.66	0.02	L	8.7611	0.0018	0.018	124		8.73	8.79		C			1							
91170	8.096	0.009	7.964	0.012		0.127	0.014	T	0.14	0.01	L	7.9922	0.0023	0.013	75		7.97	8.01					1 S							S
91171	10.592	0.040	8.986	0.018		0.860	0.020	G	1.23	0.17	L	8.9687	0.0013	0.017	107		8.94	9.00		D			1							G
91172	8.016	0.010	6.505	0.006		1.272	0.002	G	1.23	0.00	H	6.5238	0.0011	0.007	88		6.51	6.54		C			1							S
91173	9.464	0.023	9.063	0.024		0.379	0.031	T	0.44	0.03	L	9.1076	0.0048	0.022	70		9.08	9.14					1							
91174	7.468	0.010	7.242	0.009		0.210	0.013	T	0.23	0.01	L	7.2722	0.0016	0.011	61		7.25	7.29					1							S
91175	8.414	0.010	8.200	0.011		0.204	0.014	T	0.22	0.02	L	8.2310	0.0010	0.010	97		8.21	8.25		C			1							S
91176	10.680	0.041	9.206	0.019		1.241	0.035	T	1.20	0.03	L	9.2110	0.0022	0.022	117		9.17	9.25					1 S							
91177	8.754	0.012	7.798	0.009		0.841	0.011	T	0.86	0.01	L	7.8669	0.0016	0.012	101		7.85	7.89		C			1							S
91178	9.105	0.014	9.084	0.017		0.024	0.020	T	0.04	0.02	L	9.1149	0.0020	0.020	106		9.08	9.15		C			1							
91179	12.299	0.226	10.756	0.095		1.296	0.193	T	1.26	0.20	L	10.6823	0.0041	0.035	80		10.57	10.73					1 S							G
91180	8.337	0.009	8.179	0.010		0.152	0.013	T	0.17	0.01	L	8.2237	0.0012	0.014	105		8.20	8.25		D			1							S
91181	9.207	0.015	7.659	0.008		1.300	0.013	T	1.26	0.01	L	7.6736	0.0011	0.012	118		7.65	7.69		C			1							S
91182	9.898	0.033	8.632	0.020		1.079	0.030	T	1.04	0.03	L	8.6547	0.0019	0.015	54		8.63	8.69		C			1							
91183	10.285	0.032	9.067	0.020		1.041	0.029	T	1.01	0.02	L	9.0758	0.0022	0.018	85		9.05	9.10		C			1							
91184	9.932	0.026	9.945	0.039		0.170	0.002	G	0.19	0.00	H	9.9612	0.0029	0.023	81		9.92	10.00		C			1							G
91185	8.662	0.014	7.082	0.008		1.325	0.013	T	1.29	0.01	L	7.1027	0.0014	0.009	61		7.07	7.12		C			1							S
91186	10.186	0.021	8.992	0.013	*	1.022	0.019	T	1.00	0.02	L	* 9.0398	0.0024	0.026	200	*	8.99	9.08			18361+2344	H 1	2 C	D	AB	283	0.642	0.066	4.15	0.25	D
91187	9.386	0.022	8.591	0.018		0.691	0.012	G	0.75	0.01	H	8.6577	0.0021	0.015	60		8.63	8.69		C			1							
91188	10.591	0.055	9.243	0.031		1.143	0.049	T	1.11	0.04	L	9.2210	0.0031	0.016	47		9.18	9.25		C			1							
91189	9.326	0.018	8.814	0.018		0.491	0.019	T	0.56	0.02	L	8.8891	0.0022	0.016	78		8.86	8.92					1							
91190	8.601	0.010	8.425	0.012		0.169	0.015	T	0.18	0.01	L	8.4536	0.0012	0.016	120		8.43	8.48					1							S
91191	7.780	0.008	7.715	0.010		0.065	0.012	T	0.07	0.01	L	7.7354	0.0011	0.010	82		7.72	7.75		C			1							S
91192	6.950	0.006	6.884	0.007	*	0.066	0.008	T	0.08	0.01	L	* 6.9482	0.0014	0.010	101	*	6.93	6.98		U 2	18362+4117	I 1	2 C	A	BA	160	5.078	0.004	0.08	0.01	S
91193	10.505	0.028	8.565	0.010		1.645	0.024	T	1.91	0.07	O	8.4642	0.0044	0.049	148		8.39	8.54	5.37	P 1 A			1							
91194	8.041	0.012	7.858	0.013		0.175	0.017	T	0.19	0.02	L	7.9064	0.0018	0.012	54		7.89	7.94					1							S
91195	9.011	0.015	8.802	0.017		0.200	0.021	T	0.22	0.02	L	8.8430	0.0031	0.021	70		8.81	8.87					1							
91196	6.403	0.004	6.092	0.004		0.279	0.001	G	0.32	0.00	H	6.1383	0.0005	0.006	109		6.13	6.15		C			1 O							S
91197											T	12.7613	0.0173	0.126	71		12.51	12.96		U			1							D
91198	10.183	0.026	8.509	0.012		1.399	0.023	T	1.38	0.03	L	8.5165	0.0016	0.017	136		8.49	8.54					1							
91199	9.606	0.026	9.247	0.028		0.340	0.036	T	0.40	0.05	L	9.2257	0.0024	0.017	59		9.20	9.26		C			1							
91200	8.295	0.010	6.828	0.005		1.236	0.009	T	1.19	0.01	L	6.8372	0.0010	0.010	131		6.82	6.86					1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ $\alpha*$	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr												%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
91201	18 36 15.94	+04 23 53.7	9.53	2 H	279.066 398 96	+04.398 246 42		−0.43	4.39	−1.83	1.16	0.89	1.52	1.48	1.15	+ 9	−42	−25	−36	+16	+28	+ 7	−49	+24	− 2	0	2.71
91202	18 36 18.27	−85 00 27.2	9.37	H	279.076 145 07	−85.007 566 78		3.88	6.18	2.18	0.75	0.77	0.92	0.86	0.98	− 9	− 2	+ 7	+15	− 6	− 4	− 6	+11	− 7	− 9	0	−1.06
91203	18 36 18.85	+62 09 09.3	8.43	H	279.078 548 54	+62.152 574 45		4.10	16.28	39.30	0.74	0.60	0.67	0.79	0.72	+17	−16	−12	+ 7	+12	+ 3	+14	+29	−11	+21	1	1.80
91204	18 36 20.00	−38 22 47.2	9.84	H	279.083 338 84	−38.379 786 38		6.45	−20.09	3.29	1.69	1.18	1.95	2.15	1.45	− 6	−31	+ 2	−26	+ 8	−10	+ 7	−59	− 1	− 8	0	2.17
91205	18 36 20.47	+20 00 24.4	7.78	H	279.085 298 38	+20.006 787 29		3.48	5.54	−0.49	0.50	0.58	0.96	0.64	0.79	+19	−13	−33	+16	−13	+22	− 7	−13	+30	+34	0	1.29
91206 H	18 36 20.89	−32 19 38.2	8.42	2 H	279.087 025 02	−32.327 278 17	*	1.09	−10.15	−7.13	1.38	0.88	1.55	1.84	1.24	−51	+ 8	− 7	−49	+46	−12	+54	−80	+30	−34	3	0.99
91207	18 36 21.01	−52 53 00.2	9.15	H	279.087 556 09	−52.883 376 71		2.17	6.82	−10.62	1.20	0.96	1.42	1.37	0.97	+21	−15	− 1	+ 5	−55	−11	−46	−25	−21	+24	0	−0.91
91208	18 36 21.14	+50 47 11.2	9.97	H	279.088 091 89	+50.786 438 12		2.69	16.07	−2.10	0.86	0.88	0.95	1.02	1.00	+ 9	+ 3	− 5	+ 2	+ 1	+ 3	+ 2	− 6	+ 8	+24	1	1.13
91209	18 36 21.60	−45 31 43.5	9.70	H	279.090 016 57	−45.528 763 85		6.31	−54.18	−2.87	1.25	0.86	1.36	1.71	1.16	− 2	−18	+ 0	+ 9	+19	+ 7	+20	−12	+ 2	+ 5	2	−0.21
91210	18 36 23.35	+66 54 48.2	7.58	H	279.097 289 75	+66.913 382 16		28.27	69.73	−57.47	0.54	0.53	0.59	0.39	0.63	+ 9	−36	−12	−67	− 8	+30	−11	− 7	+11	+14	2	−0.09
91211	18 36 25.20	−46 59 09.2	8.50	H	279.105 002 58	−46.985 901 96		8.24	−14.76	−6.57	1.00	0.75	1.20	1.33	0.96	−19	−25	+ 8	−20	+20	+ 1	+17	−39	+ 6	−17	0	−1.39
91212	18 36 26.09	−44 18 35.5	10.23	H	279.108 690 64	−44.309 867 80		6.38	−172.03	−161.48	1.51	1.16	1.94	2.13	1.51	− 2	−14	−37	− 4	+25	−24	+ 7	−45	+39	−26	0	0.36
91213	18 36 26.52	+43 47 48.3	7.37	H	279.110 492 16	+43.796 753 08		2.19	−0.55	−11.69	0.54	0.60	0.65	0.63	0.68	+11	+13	− 9	+23	+ 1	+ 3	+ 4	− 8	+ 4	+21	1	0.39
91214	18 36 27.27	−53 33 48.8	8.92	H	279.113 623 64	−53.563 564 94		2.74	11.63	−36.71	1.03	0.84	1.24	1.17	0.83	+ 1	−20	−16	+22	−47	+ 4	−40	− 3	− 6	− 2	0	0.11
91215	18 36 27.34	−04 34 28.9	7.87	G	279.113 914 03	−04.574 699 80		15.55	46.08	−201.24	0.97	0.68	1.10	1.38	0.99	+17	−38	−16	−17	−22	+12	−16	−38	+ 2	+28	0	−0.53
91216	18 36 27.38	−34 42 17.8	9.49	H	279.114 065 79	−34.704 950 75		6.60	−7.74	12.93	1.35	0.81	1.61	1.70	1.09	−12	−35	+ 8	− 1	+ 4	+ 9	+ 5	−40	+11	+ 4	4	−0.71
91217	18 36 27.84	+09 07 22.1	5.38	H	279.115 983 80	+09.122 816 63		25.75	−6.29	−133.88	1.38	0.99	1.50	1.55	1.36	+ 6	−16	−14	−27	+10	+14	+17	−35	+13	+26	2	
91218 H	18 36 28.00	−33 42 25.5	8.93	H	279.116 671 69	−33.707 094 56	A	2.13	−6.18	−14.55	1.97	1.41	2.41	2.54	1.78	+ 3	−13	−31	−11	+20	−14	+10	−61	+46	− 9	1	0.05
91219	18 36 28.27	−56 00 16.9	8.85	H	279.117 782 52	−56.004 681 59		3.98	−1.75	−22.78	1.13	0.88	1.50	1.27	1.03	+ 3	−29	−18	+18	− 2	− 4	− 8	− 2	+22	+ 4	0	0.32
91220	18 36 29.00	+04 57 18.3	6.73	H	279.120 833 67	+04.955 080 10		5.31	0.57	−18.24	0.81	0.53	1.01	0.71	0.60	+32	−47	−35	− 8	+20	+13	+15	−18	+25	+19	0	−0.06
91221	18 36 29.04	−69 04 54.2	7.92	G	279.121 013 71	−69.081 722 47		9.00	−25.92	−53.58	0.44	0.61	0.87	0.52	0.69	− 1	− 5	− 6	+28	−25	+13	−28	−17	− 9	−16	0	1.90
91222	18 36 29.21	−27 01 40.6	8.80	H	279.121 706 15	−27.027 939 97		−2.72	−1.33	−6.34	1.42	0.89	1.41	1.95	1.21	−13	−28	− 2	+41	+ 1	− 6	−11	+16	+26	−28	0	0.89
91223	18 36 29.32	−59 19 50.1	8.58	1 H	279.122 178 56	−59.330 592 32		8.18	13.19	−32.17	1.03	0.87	1.15	1.59	0.99	− 5	− 2	−14	+13	−25	−11	−23	− 6	+ 2	−17	0	1.16
91224	18 36 29.63	+05 17 19.3	7.84	1 H	279.123 437 96	+05.288 694 17		3.50	9.32	−12.43	0.86	0.55	1.11	0.90	0.73	+31	−44	−29	− 4	+16	+23	+11	−17	+33	+34	0	−0.32
91225	18 36 33.06	+17 31 51.3	9.38	H	279.137 755 03	+17.530 904 86		2.11	−18.98	−30.53	0.98	0.90	1.46	1.13	1.22	−32	+20	−14	−31	+28	− 4	+36	−45	+28	− 9	3	−0.23
91226	18 36 33.10	−03 04 39.6	9.12	G	279.137 926 26	−03.077 666 38		1.75	−0.58	−1.68	1.28	0.83	1.39	1.44	1.18	+30	+10	− 4	−19	−17	+14	−24	−44	−24	+13	0	−0.41
91227	18 36 33.70	+48 51 18.8	7.97	H	279.140 435 44	+48.855 228 66		8.34	−2.53	15.87	0.62	0.61	0.67	0.74	0.71	−15	− 1	−14	− 6	+22	− 1	+21	− 3	+12	−11	0	0.37
91228	18 36 33.72	+30 26 33.1	7.47	H	279.140 479 59	+30.442 532 44		4.93	−2.66	−19.07	0.50	0.53	0.70	0.58	0.65	+ 4	− 3	− 6	+14	+16	−16	+16	+ 2	+15	+ 6	0	−2.40
91229	18 36 33.81	+63 21 43.4	8.22	H	279.140 880 80	+63.362 055 80		18.58	102.36	161.45	0.64	0.65	0.64	0.73	0.80	+13	− 7	+ 5	+12	+ 7	− 1	+ 8	+37	− 6	+12	1	−1.00
91230	18 36 35.65	−66 53 18.8	7.71	H	279.148 559 34	−66.888 561 64		4.65	−21.86	−29.13	0.61	0.64	0.92	0.73	0.82	+ 8	− 7	−10	−17	− 8	+ 8	− 9	−18	+12	+33	0	0.23
91231	18 36 36.19	+23 36 22.6	9.38	H	279.150 772 78	+23.606 276 10		0.79	1.08	1.96	0.64	0.84	1.26	0.80	1.03	+10	−14	− 2	+25	+19	− 3	+15	+ 4	+ 1	− 5	0	1.36
91232	18 36 36.58	−41 39 50.4	8.60	H	279.152 401 20	−41.664 000 01		5.74	8.98	−39.66	1.11	0.83	1.22	1.47	0.91	− 3	+ 4	−12	−14	−15	−12	−13	−50	−11	− 1	0	2.37
91233	18 36 36.62	+12 59 15.3	7.36	G	279.152 587 78	+12.987 583 73		8.20	2.71	10.89	0.73	0.57	0.91	0.90	0.71	+ 4	−25	−28	−20	− 8	+ 3	−11	−56	+35	+11	0	−0.96
91234	18 36 37.03	+22 06 27.4	6.76	H	279.154 286 15	+22.107 603 95		7.66	−8.72	−8.60	0.37	0.45	0.72	0.38	0.59	− 5	− 2	− 9	+34	+20	+ 0	+27	+26	+ 1	−28	0	−0.43
91235	18 36 37.35	+33 28 08.5	5.41	H	279.155 624 39	+33.469 037 38		6.25	−9.01	−0.39	0.38	0.45	0.53	0.42	0.53	− 4	−14	−10	+10	+ 6	−16	+ 4	+23	+ 5	− 3	0	1.50
91236	18 36 37.65	+18 59 56.1	9.48	H	279.156 859 33	+18.998 929 76		4.40	0.34	−6.27	0.88	0.93	1.68	1.09	1.25	+ 8	−15	−16	+47	−16	+ 6	−13	+ 3	+ 8	+16	0	0.41
91237	18 36 39.09	+06 40 19.8	5.43	H	279.162 886 32	+06.672 155 98		31.53	−30.62	−144.29	0.64	0.45	0.75	0.63	0.53	+ 9	−23	−18	−14	+21	+ 5	+20	−25	+22	+10	0	−0.64
91238 H	18 36 39.43	−20 18 50.2	7.47	H	279.164 274 62	−20.313 933 65	A	3.08	1.75	−4.69	1.58	1.10	1.50	1.63	1.12	− 6	−26	−27	+18	+ 1	− 5	− 8	+ 8	+23	+21	1	−0.28
91239	18 36 39.60	−08 11 05.3	10.19	2 H	279.165 007 08	−08.184 815 96		0.91	1.16	−2.84	1.77	1.15	1.92	2.31	1.73	− 6	−29	− 4	− 2	− 1	+15	− 6	−29	−22	−43	5	−0.58
91240	18 36 39.69	+13 06 25.3	9.70	H	279.165 358 92	+13.107 025 24		5.37	0.69	22.40	1.38	1.10	1.65	1.84	1.51	+23	−30	−25	−45	+ 5	+ 9	−15	−64	+29	− 5	1	0.86
91241	18 36 40.10	+06 48 03.6	8.62	H	279.167 088 34	+06.801 007 95		5.12	0.72	5.85	0.98	0.70	1.19	1.08	0.96	+15	− 7	−14	−13	+22	+14	+28	−21	+20	+ 7	0	1.46
91242	18 36 40.57	−37 39 18.0	8.53	H	279.169 049 42	−37.655 009 11		8.79	−0.33	−27.44	1.06	0.69	1.25	1.27	0.81	+ 9	−35	−14	− 5	− 3	+ 2	−10	−42	+11	− 6	0	−0.69
91243	18 36 41.07	−45 07 09.0	9.05	H	279.171 138 49	−45.119 165 67		1.70	2.48	−10.54	1.05	0.75	1.19	1.42	0.97	− 1	−17	+ 3	+ 5	+12	+ 7	+12	−18	+ 5	+ 4	0	1.47
91244	18 36 41.30	+06 02 32.7	7.84	H	279.172 103 43	+06.042 424 17		3.93	2.26	−1.21	0.74	0.54	0.89	0.74	0.63	+10	−21	−17	−18	+14	+11	+15	−24	+19	+15	0	−0.36
91245	18 36 41.44	−56 13 36.5	6.94	H	279.172 660 81	−56.226 791 70		7.63	−6.94	−76.05	0.76	0.56	0.89	0.80	0.64	− 3	−32	− 8	+34	−19	+ 0	−18	+ 1	+19	+10	0	−1.00
91246	18 36 41.86	−17 12 24.6	7.84	H	279.174 408 08	−17.206 823 00		1.04	2.35	0.71	0.99	0.74	1.09	1.12	0.81	−13	−20	−38	−18	+31	−17	+23	−38	+17	−29	0	0.00
91247	18 36 42.12	+15 26 52.9	6.75	H	279.175 480 61	+15.448 036 72		5.85	−5.23	21.13	0.62	0.50	0.78	0.74	0.63	+ 5	−27	−10	−17	− 5	+13	− 9	−34	+22	+ 5	1	0.51
91248	18 36 42.32	−72 47 15.1	7.54	H	279.176 335 65	−72.787 519 36		7.29	−37.70	76.02	0.45	0.58	0.79	0.47	0.60	− 9	− 6	+ 1	+ 9	− 3	−13	− 4	−23	− 5	−14	0	1.77
91249	18 36 45.29	+44 24 47.6	8.50	H	279.188 724 66	+44.413 231 40		2.99	−0.32	3.60	0.66	0.67	0.75	0.80	0.78	+14	− 2	− 9	−20	− 8	−15	−11	− 6	− 2	+22	0	−0.16
91250	18 36 45.53	+43 13 18.6	6.21	2 H	279.189 716 07	+43.221 840 97		7.94	21.91	−10.77	0.42	0.50	0.52	0.47	0.60	+10	+ 4	− 3	+ 3	−10	− 5	− 8	−17	− 3	+23	0	1.80
91251	18 36 47.52	−15 56 43.7	7.01	H	279.197 989 54	−15.945 462 40		2.61	5.51	−1.10	0.82	0.61	0.98	0.93	0.71	+12	−32	−41	+ 0	+ 6	+14	+ 8	−23	+19	+ 1	0	0.55
91252 H	18 36 48.02	+21 20 02.4	8.20	H	279.200 069 26	+21.333 997 01	*	1.18	2.04	2.90	0.66	0.65	1.07	0.77	0.85	− 3	−20	− 8	+50	+18	−16	+ 7	+ 9	+ 6	−33	0	−1.06
91253 H	18 36 48.23	−26 17 21.6	7.80	H	279.200 972 32	−26.289 336 65	*	20.55	−45.74	−43.62	4.64	3.60	1.61	2.90	1.80	+62	−22	−32	+ 1	−10	−44	+ 6	+ 4	+48	−28	0	0.32
91254	18 36 48.31	−24 49 02.3	8.89	H	279.201 277 61	−24.817 304 04		0.46	13.01	−1.07	1.33	0.92	1.40	1.60	1.06	+21	−30	−25	+32	− 4	−12	−16	+ 1	+14	−13	0	−0.62
91255	18 36 48.96	+18 56 47.7	8.11	H	279.204 009 28	+18.946 590 51		1.52	5.02	3.91	0.59	0.65	1.21	0.70	0.83	+ 6	−24	−24	+36	−17	+ 5	−17	+ 3	+16	+13	3	−0.56
91256	18 36 49.34	−42 33 09.4	11.04	H																							
91257	18 36 52.96	+54 48 49.4	7.86	H	279.220 653 18	+54.813 719 02		0.76	4.76	−4.74	0.57	0.58	0.60	0.60	0.65	+ 8	+ 0	− 6	+25	+10	− 4	+12	+11	+ 4	+20	2	−0.13
91258	18 36 53.20	+61 42 11.0	8.65	H	279.221 677 74	+61.703 069 34		22.49	−39.02	−232.19	0.79	0.66	0.72	0.77	0.77	+20	−22	− 8	−18	+11	+ 0	+11	+30	+ 0	+21	1	0.54
91259	18 36 54.07	+03 47 23.6	6.60	H	279.225 277 08	+03.789 877 78		7.87	−8.35	5.04	0.64	0.44	0.81	0.69	0.58	+15	−27	−23	−20	+21	+18	+25	−18	+18	+ 5	0	2.92
91260	18 36 54.45	+28 04 21.5	11.40	H	279.226 889 99	+28.072 643 88		3.21	6.29	15.40	1.60	1.71	2.45	2.01	1.98	+ 5	− 1	+11	+22	+22	+ 4	+22	+ 3	+ 4	+11	0	−1.18
91261	18 36 55.25	−58 35 10.3	7.61	H	279.230 190 86	−58.586 194 83		3.86	12.46	7.40	0.84	0.65	0.94	1.00	0.67	−10	−23	−11	+33	− 7	− 1	−11	−16	+ 7	−20	0	−0.68
91262	18 36 56.19	+38 46 58.8	0.03	1 G	279.234 108 32	+38.782 993 11		128.93	201.02	287.46	0.48	0.47	0.55	0.57	0.60	− 2	− 8	−12	+30	+ 2	−13	+ 1	+28	− 5	−15	2	1.31
91263	18 36 56.24	+67 48 15.8	7.50	H	279.234 320 55	+67.804 394 12		4.93	−3.11	29.40	0.57	0.55	0.61	0.57	0.64	+ 3	−40	+ 4	−12	+ 2	+14	− 3	− 6	+11	+22	2	−0.42
91264	18 36 56.87	+33 13 26.0	8.19	H	279.236 951 41	+33.223 898 95		1.33	3.45	−1.22	0.56	0.70	0.83	0.58	0.84	+ 0	−10	− 2	+11	+ 3	−25	+ 4	+29	− 7	+ 1	0	−0.18
91265	18 36 57.20	+42 44 24.8	8.59	H	279.238 335 18	+42.740 214 50		0.43	4.09	1.29	0.64	0.75	0.79	0.76	1.07	+ 4	+ 2	− 2	+12	− 6	−12	− 4	−14	− 4	+17	1	0.12
91266	18 36 57.64	−37 12 41.3	9.37	H	279.240 149 28	−37.211 484 07		7.04	−8.69	41.80	1.32	0.91	1.52	1.75	1.09	− 6	−19	+ 1	−25	+15	−16	+13	−54	− 2	−13	0	−0.88
91267	18 36 58.38	−19 08 23.4	7.99	H	279.243 240 69	−19.139 840 52		4.69	−2.13	−5.47	1.19	0.76	1.38	1.36	0.85	+12	−54	−41	+13	+15	−19	−11	−30	+18	−50	0	1.06
91268	18 36 58.43	−27 43 50.5	8.88	H	279.243 437 74	−27.730 703 96		8.63	−2.79	−36.46	1.30	0.83	1.34	1.41	0.90	− 9	−44	−14	+24	− 2	−17	−13	−10	+16	−27	0	1.00
91269	18 37 00.30	+49 03 05.4	8.87	H	279.251 261 17	+49.051 509 82		1.08	−2.34	3.78	0.72	0.72	0.79	0.81	0.80	− 5	+ 0	−20	− 1	+16	+ 1	+16	+ 9	+11	− 4	0	1.04
91270	18 37 01.88	−48 12 33.7	7.33	G	279.257 846 84	−48.209 357 25		9.71	3.14	40.86	0.82	0.70	0.99	1.26	0.84	+31	+ 4	+ 9	− 6	−22	−35	−22	−40	− 5	+20	0	0.98
*91271	18 37 02.69	−79 37 44.9	7.95	H	279.261 214 30	−79.629 131 62		9.45	−21.01	11.71	0.58	0.62	0.79	0.64	0.69	− 5	−29	+11	+18	− 8	− 2	−10	−19	−16	−24	0	−0.02
*91272	18 37 02.58	−04 36 55.4	7.71	H	279.260 741 59	−04.615 383 92		11.63	−10.08	22.99	0.87	0.59	0.96	0.93	0.73	+ 7	−21	−11	−14	−10	+10	− 7	−23	−19	− 5	0	0.53
91273	18 37 03.28	−28 30 45.8	6.78	G	279.263 671 97	−28.512 732 26		16.08	4.94	−135.42	0.88	0.54	0.94	1.02	0.62	− 9	−31	− 2	+12	− 1	−21	−14	−35	+12	−37	0	0.79
91274	18 37 03.94	+43 54 18.9	8.22	H	279.266 411 12	+43.905 250 09		6.43	−3.44	−16.47	0.62	0.66	0.70	0.75	0.79	+17	+16	+ 2	+22	− 7	− 1	− 1	−24	+ 3	+28	3	−0.46
91275	18 37 04.08	−07 36 11.8	8.60	2 H	279.267 012 57	−07.603 279 65		2.63	7.62	2.16	1.06	0.71	1.20	1.18	0.89	+ 1	−26	−16	+12	−15	+16	−13	−21	−16	−14	0	2.55
91276	18 37 07.12	−19 12 33.8	7.01	H	279.279 671 45	−19.209 381 74		2.60	−2.94	−6.55	1.01	0.68	1.15	1.17	0.76	− 2	−46	−35	+ 6	+16	−17	− 1	−24	+11	−47	0	−1.07
91277	18 37 07.16	−12 54 09.9	9.71	H	279.279 839 04	−12.902 740 05		−1.48	3.46	−1.30	1.48	1.00	1.61	1.66	1.22	+ 4	−18	− 3	+ 8	− 1	+11	+ 3	−20	− 5	+13	2	0.70
91278	18 37 08.86	−64 48 20.0	9.85	H	279.286 907 02	−64.805 548 32		14.10	−19.45	96.16	0.95	1.05	1.59	1.06	1.06	+12	−22	−37	−18	+14	− 7	+ 9	−17	+ 5	+31	0	−0.70
91279	18 37 09.05	+16 11 53.4	6.31	H	279.287 710 35	+16.198 176 78		11.14	14.71	48.58	0.57	0.46	0.71	0.68	0.58	+ 3	−24	−11	−31	− 8	+19	− 8	+42	+19	+21	0	−0.97
91280	18 37 09.05	−15 01 34.3	7.49	H	279.287 727 75	−15.026 194 82		14.39	42.48	−22.38	0.95	0.64	1.03	0.99	0.80	+32	−44	−31	+21	+18	+ 3	+14	− 2	+15	+29	5	−0.24
91281	18 37 09.43	+00 57 03.9	6.88	H	279.289 272 41	+00.951 084 52		17.07	12.41	22.23	0.77	0.47	0.87	0.86	0.67	− 1	−24	−16	−16	+23	+11	+26	−37	+10	− 9	0	0.12
91282	18 37 10.12	−29 14 14.5	8.43	H	279.292 172 02	−29.237 360 60		4.49	−11.69	−5.05	1.20	0.86	1.26	1.74	1.01	+19	− 5	+18	− 3	−39	−40	−45	−49	−12	−10	0	−1.19
91283	18 37 10.48	+24 26 01.0	7.51	H	279.293 673 56	+24.433 611 95		14.86	−51.54	−122.08	0.43	0.51	0.80	0.54	0.62	− 3	+ 1	+ 3	+ 3	+16	−11	+16	−11	+14	− 4	0	0.20
91284	18 37 11.27	−36 03 25.6	8.56	H	279.296 949 29	−36.057 120 70		5.49	−6.90	−6.42	1.07	0.67	1.23	1.31	0.82	+14	−33	− 4	+ 4	−13	+10	−19	−37	+14	+ 5	0	−1.97
91285	18 37 12.19	+02 58 34.6	7.87	H	279.300 800 44	+02.976 274 71		2.89	−6.31	−17.15	0.76	0.53	0.98	0.77	0.65	+32	−36	−26	−21	+13	+ 6	+12	−27	+13	+13	0	0.28
91286	18 37 12.63	+11 25 17.5	6.57	H	279.302 608 65	+11.421 525 04		5.65	−10.95	−7.84	0.67	0.48	0.78	0.82	0.63	− 5	−31	−16	− 7	+25	+ 2	+19	−29	+26	+ 8	2	−1.08
91287	18 37 12.73	−25 40 14.1	7.43	G	279.303 037 66	−25.670 582 94		33.17	170.16	−281.21	0.92	0.61	1.01	1.08	0.70	− 9	−18	−17	+ 8	+15	−19	+ 5	−14	+21	−34	0	1.96
91288	18 37 13.56	+07 31 56.3	9.74	H	279.306 506 57	+07.532 304 31	B	3.78	9.03	3.97	11.26	7.47	7.33	9.05	7.24	+37	−14	− 9	− 2	+ 9	+11	+ 5	−29	+ 8	+ 9	2	0.09
91289	18 37 14.12	+45 40 18.1	8.32	H	279.308 832 57	+45.671 700 67		3.60	2.09	9.71	0.66	0.63	0.74	0.91	0.78	− 1	−12	− 4	−22	+ 8	+ 1	+13	+ 4	−10	−12	0	−0.63
91290	18 37 14.57	+29 03 25.2	7.90	H	279.310 719 32	+29.057 008 70		4.51	3.00	6.47	0.60	0.64	0.90	0.72	0.70	− 4	−13	+20	− 1	+17	− 4	+17	+ 6	+ 7	− 5	0	−1.46
91291	18 37 15.25	+07 31 43.3	7.89	G	279.313 553 31	+07.528 704 79	A	13.60	56.43	−63.87	1.92	1.39	1.78	2.11	1.70	+36	−31	−23	−17	+10	+18	+ 6	−28	+16	− 3	2	0.09
91292	18 37 15.67	−40 48 12.9	6.96	2 T	279.315 302 79	−40.803 571 14		2.66	−14.14	−29.79	0.79	0.53	0.87	0.91	0.55	+13	−33	−25	− 8	− 6	− 3	−12	−44	+ 2	−15	0	1.66
91293	18 37 16.63	−44 01 07.1	8.78	H	279.319 284 01	−44.018 625 34		−0.74	11.22	−22.64	1.06	0.74	1.23	1.40	1.00	− 8	−22	−15	−11	+14	− 2	+ 8	−35	+22	−12	0	1.60
91294	18 37 17.41	+13 41 29.8	10.20	H	279.322 562 28	+13.691 619 02		5.38	0.02	−36.47	1.42	1.09	1.65	1.74	1.42	+32	−36	−18	−46	−35	+25	−38	−66	+24	+31	2	1.03
91295	18 37 18.10	+12 16 07.7	7.98	H	279.325 432 25	+12.268 798 11		20.66	−80.12	−173.23	0.90	0.67	1.14	1.12	0.88	+24	−32	−32	− 8	+ 4	−13	−12	−43	+ 3	+ 4	2	0.49
91296	18 37 19.76	+02 15 17.4	8.69	H	279.332 333 10	+02.254 829 84		2.00	8.00	35.12	0.93	0.63	1.18	0.88	0.75	+38	−30	−13	−36	+ 1	+ 2	+ 0	−40	+17	+ 6	1	0.97
91297	18 37 20.53	+11 21 21.0	6.88	H	279.335 554 82	+11.355 836 05		5.70	10.33	5.00	0.67	0.49	0.76	0.83	0.65	+ 6	−24	−14	+ 2	+23	− 3	+18	−22	+26	+12	2	−1.67
91298 H	18 37 23.92	+77 41 12.4	6.94	G	279.349 655 54	+77.686 772 53	*	7.94	10.65	19.01	0.47	0.48	0.51	0.50	0.57

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
91201	11.232	0.052	9.683	0.024		1.300	0.045	T	1.26	0.05	L	9.6937	0.0189	0.151	106		9.44	9.87	4.27	P 1 A			1 G							G
91202	9.718	0.017	9.391	0.019		0.314	0.028	T	0.36	0.04	L	9.4524	0.0019	0.023	128		9.41	9.50		C			1							
91203	8.887	0.012	8.455	0.012		0.408	0.016	T	0.47	0.02	L	8.5238	0.0013	0.013	100		8.50	8.55		C			1							S
91204	10.952	0.053	9.992	0.039		0.831	0.051	T	0.85	0.04	L	9.9841	0.0052	0.033	81		9.90	10.04					1							G
91205	7.912	0.006	7.791	0.008		0.117	0.009	T	0.13	0.01	L	7.8201	0.0013	0.011	131		7.80	7.85		C			1							S
91206	10.909	0.048	9.228	0.019	*	1.630	0.040	G	2.17	0.22	K *	8.4870	0.0135	0.095	128	*	8.35	8.65		U 2	18363−3220	H 1	2 C S B	AB	343	0.192	0.005	0.25	0.11	
91207	10.468	0.039	9.227	0.023		1.059	0.035	T	1.03	0.03	L	9.3197	0.0028	0.020	93		9.28	9.35		C			1							
91208	10.321	0.035	9.981	0.040		0.323	0.050	T	0.37	0.07	L	10.0449	0.0032	0.023	102		9.99	10.08					1							G
91209	10.399	0.038	9.806	0.035		0.554	0.038	T	0.63	0.04	L	9.8232	0.0024	0.021	80		9.78	9.85					1							G
91210	8.341	0.010	7.660	0.010		0.618	0.011	T	0.69	0.01	L	7.7090	0.0013	0.009	96		7.70	7.73					1							S
91211	9.179	0.019	8.553	0.017		0.578	0.019	T	0.65	0.02	L	8.6270	0.0019	0.015	66		8.60	8.65		C			1							
91212	10.753	0.056	10.180	0.051		0.581	0.013	G	0.71	0.02	A	10.3627	0.0037	0.030	78		10.30	10.41		C			1							G
91213	9.317	0.015	7.533	0.007		1.486	0.013	T	1.51	0.02	L	7.5000	0.0014	0.013	105		7.48	7.52					1							S
91214	9.513	0.019	8.979	0.018		0.501	0.024	T	0.57	0.03	L	9.0265	0.0023	0.021	90		8.99	9.08		C			1							
91215	8.569	0.013	7.941	0.011		0.598	0.008	G	0.67	0.01	H	7.9999	0.0012	0.010	59		7.98	8.01		D			1 G							S
91216	9.977	0.030	9.529	0.032		0.436	0.035	T	0.50	0.04	L	9.5908	0.0021	0.020	83		9.55	9.62		C			1							
91217	5.832	0.003	5.423	0.003		0.387	0.004	T	0.45	0.00	L	5.4679	0.0006	0.006	81		5.46	5.48		C	18367+0640	I 2	1 X							S
91218	10.291	0.032	9.119	0.020	A	0.900	0.495	G	0.90	0.08	L *	9.0869	0.0020	0.017	110	*	9.06	9.13		D	18365−3342	I 1	2 C A	AB	259	1.736	0.017	2.05	0.05	
91219	10.417	0.039	8.974	0.020		1.217	0.034	T	1.18	0.03	L	9.0122	0.0027	0.022	84		8.96	9.05					1							
91220	8.192	0.010	6.845	0.006		1.142	0.009	T	1.11	0.01	L	6.8952	0.0010	0.008	101		6.88	6.91		D	18365+0457	I 1	1							S
91221	8.369	0.007	7.949	0.007		0.398	0.003	G	0.46	0.00	H	8.0035	0.0009	0.012	235		7.98	8.03		C			1							S
91222	11.061	0.085	9.035	0.026		1.678	0.071	T	1.70	0.07	L	8.9113	0.0032	0.012	45		8.89	8.94		C			1							
91223	8.949	0.016	8.603	0.017		0.328	0.022	T	0.38	0.03	L	8.6589	0.0036	0.029	73		8.62	8.70		U			1							
91224	7.859	0.010	7.849	0.011		0.010	0.013	T	0.03	0.01	L	7.8557	0.0036	0.023	101		7.82	7.89	4.47	P 1 A			1							S
91225	11.001	0.048	9.518	0.022		1.260	0.020	G	1.22	0.02	H	9.5385	0.0026	0.024	109		9.49	9.58					1							
91226	9.440	0.024	9.193	0.028		0.276	0.002	G	0.31	0.00	H	9.1895	0.0033	0.024	47		9.15	9.24					1							
91227	8.303	0.010	7.980	0.012		0.307	0.015	T	0.35	0.02	L	8.0445	0.0012	0.012	100		8.03	8.07		C			1							S
91228	8.578	0.011	7.570	0.008		0.880	0.010	T	0.89	0.01	L	7.6326	0.0012	0.012	133		7.61	7.66		C			1							S
91229	8.963	0.013	8.291	0.012		0.622	0.015	T	0.69	0.01	L	8.3492	0.0014	0.015	102		8.32	8.37		C			1							S
91230	9.295	0.015	7.841	0.008		1.226	0.013	T	1.18	0.01	L	7.8686	0.0014	0.016	128		7.83	7.89					1							S
91231	11.050	0.038	9.528	0.017		1.279	0.033	T	1.24	0.03	L	9.5406	0.0019	0.026	210		9.49	9.59					1 S							
91232	8.978	0.017	8.671	0.019		0.293	0.027	T	0.33	0.04	L	8.6726	0.0021	0.016	82		8.63	8.71		D	18366−4140	I 1	1 S							
91233	7.931	0.006	7.421	0.005		0.479	0.007	T	0.55	0.01	L	7.4601	0.0011	0.012	130		7.44	7.49					1							S
91234	6.835	0.003	6.767	0.004		0.068	0.005	T	0.08	0.01	L	6.7901	0.0007	0.009	227		6.78	6.81			18366+2206	I 1	1							S
91235	5.284	0.002	5.400	0.002		−0.101	0.003	T	−0.08	0.00	L	5.3754	0.0006	0.006	139		5.37	5.39		C	18366+3328	I 1	1							S G
91236	11.049	0.044	9.617	0.021		1.208	0.038	T	1.17	0.04	L	9.6441	0.0028	0.025	117		9.60	9.69					1							
91237	5.872	0.003	5.477	0.003		0.386	0.004	T	0.45	0.00	L	5.5205	0.0007	0.005	99		5.51	5.53		C	18367+0640	I 2	1							S
91238	7.598	0.010	7.505	0.012	A	0.000	0.495	G	0.04	0.02	L *	7.4823	0.0018	0.010	63	*	7.47	7.50		D	18367−2019	I 1	2 C B	AB	166	1.260	0.043	3.28	0.22	S
91239	11.614	0.173	10.340	0.086		1.120	0.020	G	1.40	0.02	A	10.3247	0.0126	0.069	51		10.17	10.41	3.09	P 1 A			1							G
91240	10.286	0.025	9.757	0.025		0.496	0.032	T	0.57	0.03	L	9.8125	0.0028	0.028	129		9.76	9.86		C			1 G							G
91241	10.088	0.024	8.766	0.014		1.122	0.022	T	1.08	0.02	L	8.7911	0.0020	0.018	90		8.77	8.82		C			1							
91242	8.898	0.014	8.553	0.015		0.327	0.019	T	0.38	0.03	L	8.6079	0.0017	0.014	85		8.59	8.63		C			1							
91243	9.049	0.017	9.044	0.022		0.004	0.015	G	0.02	0.01	H	9.0626	0.0021	0.015	74		9.02	9.09		C			1							
91244	8.241	0.009	7.872	0.010		0.350	0.013	T	0.41	0.02	L	7.9189	0.0012	0.011	105		7.90	7.94		C			1							S
91245	8.355	0.012	7.059	0.006		1.102	0.010	T	1.06	0.01	L	7.1083	0.0011	0.009	79		7.10	7.12		D			1							S
91246	8.559	0.016	7.931	0.014		0.681	0.015	G	0.74	0.01	H	7.9848	0.0019	0.010	51		7.97	8.01		C			1							S
91247	8.006	0.009	6.868	0.005		0.979	0.008	T	0.96	0.01	L	6.9173	0.0011	0.010	109		6.90	6.93		C			1							S
91248	9.107	0.011	7.672	0.006		1.211	0.010	T	1.17	0.01	L	7.6997	0.0013	0.015	194		7.68	7.72					1							S
91249	10.120	0.026	8.630	0.013		1.254	0.023	T	1.21	0.02	L	8.6592	0.0015	0.016	110		8.63	8.68		C			1							
91250	6.510	0.006	6.243	0.004		0.251	0.007	T	0.28	0.01	L	6.2825	0.0022	0.036	108		6.25	6.37	1.31	P 1 A			1							S
91251	9.523	0.027	7.265	0.010		1.924	0.020	G	1.91	0.02	J	7.0965	0.0024	0.011	54		7.07	7.11					1							S
91252	8.311	0.009	8.220	0.011	*	0.089	0.013	T	0.10	0.01	L *	8.2424	0.0013	0.013	130	*	8.22	8.26		D	18368+2120	I 1	2 C S A	AB	136	0.174	0.007	0.61	0.32	
91253	8.591	0.017	7.889	0.015	*	0.634	0.017	T	0.70	0.01	L *	7.9297	0.0016	0.013	48	*	7.91	7.96		D	18368−2617	I 1	2 C A	AB	229	0.214	0.019	0.49	0.17	S
91254	10.900	0.069	9.181	0.029		1.435	0.059	T	1.43	0.09	L	9.0560	0.0026	0.018	50		9.01	9.08		C			1 S							
91255	10.108	0.020	8.263	0.009		1.534	0.017	T	1.58	0.04	L	8.2291	0.0013	0.013	130		8.21	8.25		C			1							
91256											T	11.1772	0.0076	0.059	75		11.09	11.31		D			S							G G
91257	8.740	0.011	7.934	0.009		0.729	0.011	T	0.78	0.01	L	8.0072	0.0011	0.012	110		7.98	8.03		C			1							
91258	9.669	0.024	8.730	0.018		0.815	0.023	T	0.84	0.02	L	8.7966	0.0016	0.017	102		8.76	8.83					1							
91259	7.744	0.007	6.711	0.005		0.899	0.006	T	0.90	0.00	L	6.7616	0.0010	0.008	116		6.75	6.77		C			1							S
91260	11.922	0.135	11.169	0.103		0.688	0.134	T	0.75	0.11	L	11.5289	0.0057	0.064	142		11.40	11.63					1							G P
91261	8.815	0.014	7.707	0.010		0.955	0.013	T	0.94	0.01	L	7.7679	0.0021	0.013	69		7.75	7.79					1							S
91262						−0.001	0.005	G	−0.01	0.02	A	0.0868	0.0021	0.014	90		0.07	0.13		U 2 C	18369+3847	I 1	1 S							S
91263	7.524	0.006	7.498	0.007		0.029	0.009	T	0.05	0.01	L	7.5133	0.0012	0.010	97		7.50	7.53		C			1							S
91264	9.666	0.026	8.292	0.015		1.163	0.024	T	1.12	0.02	L	8.3611	0.0016	0.016	134		8.33	8.39					1							
91265	10.254	0.028	8.730	0.014		1.281	0.025	T	1.24	0.03	L	8.7527	0.0018	0.013	106		8.72	8.78					1							
91266	10.152	0.034	9.434	0.029		0.660	0.036	T	0.72	0.03	L	9.5059	0.0019	0.017	75		9.48	9.54					1							G
91267	8.340	0.015	8.031	0.016		0.294	0.021	T	0.34	0.03	L	8.0644	0.0020	0.014	51		8.04	8.09					1							
91268	9.666	0.027	8.989	0.024		0.615	0.027	T	0.68	0.02	L	9.0052	0.0023	0.018	54		8.97	9.03					1							
91269	8.835	0.012	8.857	0.016		−0.015	0.018	T	0.01	0.02	L	8.8714	0.0017	0.019	106		8.84	8.91		C			1							S
91270	8.123	0.010	7.382	0.007		0.686	0.015	G	0.74	0.01	H	7.4592	0.0016	0.009	67		7.44	7.49		C			1							S
91271	8.687	0.010	8.019	0.009		0.608	0.010	T	0.68	0.01	L	8.0831	0.0015	0.016	134		8.06	8.11		C			1							S
91272	8.126	0.010	7.760	0.010		0.376	0.015	G	0.44	0.02	H	7.7958	0.0018	0.014	67		7.78	7.82		C			1							S
91273	7.985	0.010	6.894	0.007		0.954	0.037	G	0.97	0.02	A	6.9384	0.0009	0.007	70		6.92	6.95		C			1							S
91274	8.475	0.010	8.241	0.011		0.223	0.014	T	0.25	0.02	L	8.2906	0.0014	0.012	98		8.27	8.32		C			1							S
91275	13.221	0.558	9.292	0.029		2.100	0.510	G	2.09	0.52	J	8.6707	0.0133	0.098	59		8.52	8.82		U 2 C			1 S							
91276	9.115	0.020	7.206	0.009		1.585	0.017	T	1.60	0.02	L	7.1238	0.0022	0.011	53		7.10	7.14			18371−1913	I 1	1							S
91277	10.397	0.051	9.700	0.046		0.643	0.056	T	0.71	0.05	L	9.8419	0.0033	0.025	50		9.78	9.88		C			1							G
91278	10.997	0.049	9.980	0.032		0.876	0.046	T	0.89	0.03	L	9.9982	0.0026	0.032	158		9.95	10.04					1 S							G
91279	7.447	0.005	6.409	0.004		0.896	0.001	G	0.90	0.00	H	6.4683	0.0013	0.009	104		6.45	6.48					1							S
91280	7.975	0.012	7.537	0.010		0.428	0.015	G	0.50	0.02	H	7.5867	0.0015	0.008	62		7.57	7.61					1							S
91281	7.553	0.007	6.942	0.005		0.569	0.008	T	0.64	0.01	L	6.9985	0.0008	0.007	96		6.98	7.01					1							S
91282	9.956	0.028	8.577	0.015		1.167	0.025	T	1.13	0.02	L	8.5931	0.0015	0.016	78		8.56	8.62		C			1							
91283	8.207	0.007	7.583	0.006		0.581	0.008	T	0.65	0.01	L	7.6330	0.0010	0.012	183		7.61	7.65					1							S
91284	9.144	0.014	8.600	0.014		0.510	0.018	T	0.58	0.02	L	8.6674	0.0019	0.015	107		8.65	8.70		C			1							
91285	7.988	0.007	7.879	0.009		0.098	0.010	T	0.11	0.01	L	7.9053	0.0014	0.013	132		7.88	7.93					1							S
91286	6.563	0.004	6.577	0.006		−0.011	0.006	T	0.01	0.01	L	6.5798	0.0005	0.006	91		6.57	6.59		D			1							S
91287	8.325	0.035	7.483	0.016		0.687	0.005	G	0.74	0.00	H	7.5612	0.0012	0.009	56		7.54	7.58					1							S
91288	11.756	0.147	9.996	0.045	B	1.730	0.040	G	1.71	0.04	J	9.8399	0.0249			B				D	18372+0732	I 2	1 C I D							D
91289	8.600	0.010	8.363	0.011		0.248	0.018	G	0.28	0.02	H	8.3913	0.0020	0.014	119		8.36	8.42		C			1 G							
91290	9.374	0.014	8.026	0.008		1.143	0.013	T	1.11	0.01	L	8.0689	0.0016	0.017	151		8.04	8.10		C			1							
91291	8.496	0.010	7.940	0.012	A	0.566	0.015	G	0.64	0.01	H	7.9971	0.0064	0.013	72	A	7.98	8.02		D	18372+0732	I 2	1 C P D							S D
91292	8.875	0.013	7.130	0.006		1.490	0.010	G	1.51	0.01	H	7.0814	0.0059	0.039	96		7.03	7.13		U 2			1							S P
91293	10.126	0.036	8.886	0.022		1.058	0.033	T	1.02	0.03	L	8.9467	0.0026	0.017	72		8.92	8.97		C			1							
91294	11.288	0.056	10.282	0.037		0.879	0.050	T	0.89	0.04	L	10.3563	0.0035	0.029	133		10.30	10.41		C			1							G
91295	8.667	0.012	8.066	0.011		0.560	0.014	T	0.63	0.01	L	8.1030	0.0015	0.014	102		8.08	8.13		C			1							S
91296	10.023	0.018	8.824	0.012		1.026	0.017	T	1.00	0.01	L	8.8553	0.0014	0.014	143		8.82	8.88		C			1							
91297	6.918	0.006	6.888	0.006		0.032	0.008	T	0.05	0.01	L	6.9004	0.0007	0.008	92		6.89	6.91					1							S
91298	7.336	0.006	6.989	0.005	*	0.363	0.015	G	0.42	0.02	H *	7.0231	0.0007	0.008	112	*	7.00	7.04		D	18374+7741	I 1	2 C S A	AS	317	0.140	0.009	0.58	0.32	S
91299	10.176	0.029	9.625	0.028		0.503	0.038	G	0.58	0.04	H	9.6796	0.0026	0.022	98		9.64	9.71		C			1							G
91300	8.396	0.008	7.879	0.007		0.493	0.015	G	0.57	0.02	H	7.9526	0.0014	0.012	148		7.93	7.97			18374+0238	I 1	1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$		F1	F2
1 2	h m s	±° ′ ″	mag	5 6 7	deg	deg	10	mas	mas/yr		mas		mas	mas/yr		19	20	21	22	23	24	25	26	27	28	29	% 30
91301	18 37 25.79	−47 04 28.4	6.88	G	279.357 470 37	−47.074 542 49		14.37	−1.35	−11.93	0.79	0.61	0.96	1.01	0.71	− 2	−32	+15	− 7	+ 3	−14	+ 4	−35	− 6	− 8	0	0.03
91302	18 37 27.01	+03 13 12.4	7.58	H	279.362 532 18	+03.220 101 25		1.37	0.11	4.56	0.73	0.51	0.91	0.81	0.70	+25	−29	−16	−22	+ 7	+17	+10	−29	+ 7	+14	0	−0.53
91303	18 37 27.32	+53 11 10.9	8.61	H	279.363 836 52	+53.186 359 58		6.09	−21.05	−8.99	0.77	0.69	0.80	0.77	0.84	+11	−26	−17	−15	+ 5	− 7	− 2	+ 4	+14	+20	0	1.48
91304	18 37 27.71	−21 29 45.7	8.48	H	279.365 468 29	−21.496 015 27		3.63	8.41	−8.21	1.16	0.71	1.19	1.37	0.96	− 2	−36	−16	+27	− 2	+ 2	− 1	− 5	+10	+ 6	0	0.17
91305	18 37 28.21	−34 50 43.3	8.01	H	279.367 552 76	−34.845 353 46		1.82	8.81	−8.35	0.94	0.57	1.08	1.19	0.75	+ 6	−26	+ 7	+12	− 5	+ 7	− 2	−35	+ 4	+17	0	1.11
91306	18 37 28.79	+29 35 04.7	6.70	G	279.369 963 24	+29.584 648 39		7.23	−26.47	88.54	0.44	0.49	0.64	0.56	0.57	− 2	− 5	+ 4	+13	+15	− 5	+14	+10	− 2	+ 2	1	0.08
91307	18 37 29.49	+13 25 41.2	9.70	H	279.372 866 75	+13.428 109 70		−0.98	0.96	−5.54	1.18	0.87	1.40	1.58	1.17	+ 8	−30	−10	−38	−19	+24	−21	−59	+20	+12	0	1.83
91308	18 37 29.74	−02 55 12.2	6.74	H	279.373 920 15	−02.920 041 79		2.55	8.40	5.24	0.99	0.57	1.01	1.13	0.84	− 7	− 5	− 7	+25	− 5	+ 8	−44	−10	−23	−54	0	−1.29
91309	18 37 30.40	−43 29 02.0	8.81	H	279.376 684 44	−43.483 879 72		0.06	−12.05	−3.12	1.18	0.73	1.27	1.49	0.98	−15	−38	+10	+ 7	+15	+ 9	+ 9	−13	+12	− 7	2	−1.00
91310	18 37 31.25	+37 46 50.2	7.03	H	279.380 215 36	+37.780 613 18		3.75	6.34	15.21	0.56	0.54	0.67	0.65	0.74	− 7	− 9	−11	+24	− 2	−22	− 5	+23	+17	−23	2	0.37
91311	18 37 31.75	+35 39 35.2	8.76	H	279.382 272 95	+35.659 789 22		5.36	−4.14	−6.21	0.70	0.71	0.92	0.85	0.89	+ 5	− 2	−20	−14	+11	−20	+ 6	− 6	+31	+ 7	1	−0.50
91312	18 37 32.33	+05 17 22.5	9.26	H	279.384 713 65	+05.289 590 08		1.16	−0.28	−6.76	1.62	1.01	2.02	1.42	1.20	+47	−59	−41	−26	− 5	+31	− 2	−28	+22	+33	0	−2.16
91313	18 37 32.33	+14 52 26.3	8.07	H	279.384 726 34	+14.873 971 86		4.95	17.90	−5.22	1.00	0.72	1.17	1.09	0.88	+10	−30	−14	−34	−18	+ 2	−26	−55	+27	+ 5	1	1.73
91314	18 37 32.87	−12 20 59.1	6.95	H	279.386 949 27	−12.349 760 54		12.74	−41.56	−46.04	0.81	0.52	0.86	0.86	0.62	+ 9	−24	− 6	+17	+ 8	+17	+14	− 6	− 4	+18	0	1.80
*91315	18 37 33.51	+62 31 35.3	5.74	H	279.389 630 09	+62.526 462 87		7.66	−8.40	52.56	0.51	0.42	0.47	0.55	0.51	+12	−19	− 1	+ 3	+10	+ 3	+10	+21	− 8	+21	1	−0.02
*91316	18 37 33.46	+74 19 42.5	9.46	3 H	279.389 431 01	+74.328 474 68		−0.06	2.05	15.93	0.72	0.73	0.78	0.77	0.94	− 1	− 6	− 8	−11	+14	−22	+16	−13	−19	+ 9	0	1.31
91317	18 37 34.32	−70 30 51.7	8.47	H	279.393 012 04	−70.514 364 51		0.93	4.13	−62.26	0.47	0.79	1.14	0.53	0.79	− 3	−10	−20	+19	−10	− 3	−13	−15	− 9	−18	2	0.22
91318	18 37 34.87	+46 08 59.5	7.40	H	279.395 296 52	+46.149 870 25		13.58	−22.15	34.63	0.56	0.53	0.61	0.62	0.64	+ 2	− 3	− 6	− 9	− 2	−11	− 4	+21	−15	+ 9	2	−0.87
91319	18 37 35.41	+47 58 52.9	7.95	H	279.397 523 36	+47.981 374 05		6.88	12.78	35.58	0.60	0.57	0.63	0.63	0.67	− 5	− 7	− 9	+ 5	+ 9	−13	+ 9	+21	+ 3	− 7	3	−0.02
91320	18 37 35.62	+00 50 26.4	8.98	G	279.398 407 71	+00.840 663 79		2.79	5.03	−9.22	1.07	0.69	1.21	1.23	0.98	+19	−12	− 9	−21	+ 4	+10	+ 6	−40	+10	+14	0	−0.72
91321	18 37 35.89	−74 22 42.3	9.03	G	279.399 531 59	−74.378 404 29		5.50	3.46	5.11	0.68	0.76	1.04	0.68	0.90	− 3	− 9	− 5	− 4	−14	− 9	−16	+14	− 1	− 7	1	−0.28
91322	18 37 35.95	−00 18 33.9	5.76	G	279.399 810 39	−00.309 424 11		5.06	11.74	−19.83	1.14	0.59	0.93	1.05	0.81	−58	−47	+10	−66	+59	+27	+65	−69	−19	−58	0	−3.35
91323	18 37 37.10	+01 43 52.7	8.78	H	279.404 577 16	+01.731 295 88		2.34	3.80	−5.98	0.92	0.62	1.15	0.98	0.84	+12	−17	− 9	−34	+20	+10	+23	−39	+11	−10	1	0.87
91324	18 37 37.53	−50 08 47.1	8.30	H	279.406 360 79	−50.146 430 52		10.24	−22.48	−40.37	0.99	0.63	1.25	0.97	0.67	+20	−47	−22	+35	−23	− 4	−29	+ 5	+26	+20	2	−0.49
91325	18 37 37.97	−60 29 00.7	8.88	H	279.408 191 07	−60.483 540 14		0.71	6.03	1.36	1.06	0.89	1.27	1.18	0.95	− 4	−29	− 4	+21	−35	− 2	−30	− 7	− 4	− 2	2	1.65
91326	18 37 38.79	+34 41 26.9	10.78	G	279.411 645 79	+34.690 796 11		34.03	−360.60	−124.48	1.16	1.34	1.62	1.36	1.69	+ 4	−18	− 7	+ 4	+ 8	−13	+ 6	+17	+14	− 2	1	1.68
91327	18 37 39.62	−42 57 19.7	7.74	2 H	279.415 092 08	−42.955 458 58		4.57	−2.89	−16.18	0.83	0.57	0.94	1.07	0.70	− 4	−20	−12	+12	+12	+ 1	+ 5	−19	+16	−16	0	−1.09
91328	18 37 40.73	+21 31 00.1	8.45	H	279.419 691 00	+21.516 689 30		4.82	10.80	−2.45	0.73	0.69	1.18	0.92	1.02	+ 0	−21	−17	+63	+ 8	−17	− 8	+26	− 1	−45	0	−2.25
*91329	18 37 41.06	+51 56 45.4	7.52	H	279.421 096 97	+51.945 952 55		3.11	−1.95	2.81	0.56	0.56	0.61	0.63	0.64	+ 8	−18	− 4	− 6	+ 9	+ 0	+ 8	+ 5	+ 2	+14	0	0.75
*91330 H	18 37 41.05	−40 29 24.7	8.88	H	279.421 034 07	−40.490 185 31	A	5.63	17.08	9.85	1.93	1.40	2.03	2.11	1.33	+11	−13	−11	− 6	+ 7	−13	+ 3	−44	+ 2	− 2	2	−0.56
91331	18 37 42.02	−10 43 33.4	9.86	H	279.425 091 13	−10.725 956 98		0.92	−31.94	−38.84	3.92	2.71	4.58	3.87	2.99	+ 7	−31	−22	−15	− 1	+13	+ 8	−25	−14	+ 3	0	
91332	18 37 42.56	−07 20 11.5	7.98	G	279.427 349 57	−07.336 517 22		17.35	106.96	−76.37	0.92	0.70	1.02	0.88	0.74	+12	−30	+ 0	− 4	− 5	+ 3	− 3	−22	+ 1	+19	2	0.12
91333	18 37 43.28	+85 36 31.1	9.09	H	279.430 345 99	+85.608 639 92		4.01	3.96	18.86	0.70	0.68	0.78	0.77	0.81	− 1	−24	− 4	−12	− 1	+15	− 1	− 3	+ 0	+10	0	−0.09
91334	18 37 43.51	−34 32 42.4	7.97	H	279.431 308 89	−34.545 120 49		2.08	−1.63	−8.20	0.91	0.55	1.13	1.13	0.72	+ 0	−33	−14	+ 4	+10	+ 4	+ 2	−42	+23	− 3	0	−2.89
91335	18 37 43.68	+59 45 30.5	8.11	2 H	279.431 984 47	+59.758 468 38		0.30	12.20	11.64	0.63	0.64	0.66	0.67	0.71	+ 7	+ 3	−13	+25	+20	− 6	+23	+ 7	− 1	+19	1	0.15
91336	18 37 44.03	−41 36 50.9	7.42	G	279.433 475 92	−41.614 144 25		9.71	−28.08	−27.68	0.80	0.57	0.87	1.00	0.59	−12	+ 1	−21	+ 4	− 6	− 3	− 7	−38	− 2	−16	2	−0.22
91337	18 37 45.47	−04 48 24.9	6.77	H	279.439 439 81	−04.806 909 52		20.50	−5.34	46.21	0.73	0.50	0.85	0.72	0.56	+ 3	−33	−24	−11	− 3	+15	+ 0	−21	−11	−26	0	0.14
91338	18 37 48.45	+05 53 00.5	6.68	H	279.451 874 77	+05.883 468 89		3.35	4.46	−1.30	0.64	0.44	0.76	0.66	0.55	+11	−27	−21	−17	+13	+14	+15	−25	+16	+10	0	0.98
91339	18 37 48.46	+18 26 29.3	7.44	H	279.451 896 22	+18.441 458 44		3.12	28.53	10.94	0.49	0.51	0.84	0.63	0.68	+ 6	− 9	−16	+18	−13	+ 4	−11	−21	+14	+14	0	−0.07
91340 H	18 37 49.32	−11 21 17.1	9.39	H	279.455 489 55	−11.354 753 98	A	2.52	−2.81	−26.35	3.14	2.21	2.57	2.35	1.81	+21	−39	−13	−11	− 5	+13	+ 3	−22	− 1	+37	1	0.27
91341	18 37 50.20	−23 23 48.6	8.09	H	279.459 148 52	−23.396 845 67		16.21	−21.04	14.19	1.17	0.77	1.23	1.43	0.96	+ 1	−31	−24	+24	−10	− 6	−20	− 8	+ 6	−31	0	0.31
91342	18 37 51.11	−06 47 48.5	7.95	2 T	279.462 939 41	−06.796 811 87		1.12	5.31	2.84	0.89	0.64	0.99	0.91	0.79	+ 8	−29	+ 5	− 9	+ 3	+ 4	+10	−34	− 5	+25	0	−1.42
91343	18 37 51.57	−17 13 52.6	6.78	H	279.464 864 30	−17.231 280 90		1.93	2.73	−1.83	0.86	0.64	0.90	1.14	0.82	−20	− 3	−35	−16	+34	−11	+32	−33	+11	−23	3	0.36
91344	18 37 52.16	−19 36 06.2	7.92	H	279.467 319 59	−19.601 721 80		3.68	−2.03	8.05	1.13	0.68	1.21	1.22	0.83	+ 7	−52	−20	+18	− 2	+ 0	−11	− 9	+12	−18	0	0.25
91345	18 37 52.66	−71 58 28.9	8.33	2 H	279.469 426 72	−71.974 687 41		2.52	−6.21	−0.85	0.51	0.72	0.96	0.56	0.72	− 4	−10	+ 1	+ 7	− 8	−14	− 8	−30	−10	− 7	1	0.75
91346	18 37 53.41	+35 05 44.9	8.36	H	279.472 537 80	+35.095 796 01		3.86	1.42	−18.92	0.66	0.65	0.84	0.82	0.81	+ 3	− 1	−14	−11	+11	−13	+ 9	+ 6	+13	+ 4	0	−0.73
91347	18 37 54.43	−21 23 51.2	5.93	G	279.476 782 01	−21.397 565 04		10.38	−2.57	−65.66	0.87	0.53	0.87	1.06	0.72	− 5	−37	− 4	+33	−14	+ 4	−13	− 6	− 2	− 6	0	0.58
91348	18 37 55.06	+45 03 41.4	8.79	H	279.479 399 17	+45.061 512 20		4.98	3.15	−7.03	0.72	0.71	0.81	0.78	0.82	+10	−12	−12	−20	− 5	+ 7	− 4	−17	− 8	+20	0	−0.59
91349	18 37 55.38	−13 28 22.6	7.35	1 G	279.480 736 43	−13.472 939 75		4.61	9.01	−10.00	0.94	0.56	0.95	1.01	0.70	− 2	−33	− 3	+26	+ 5	+ 7	+10	−10	− 9	+ 2	0	0.82
91350	18 37 55.56	+20 09 43.0	9.05	H	279.481 506 78	+20.161 931 64		3.11	−3.28	−22.32	1.23	1.17	1.31	2.55	1.92	− 9	−27	+ 0	−25	+15	+25	− 1	−38	+17	+51	0	2.85
91351	18 37 56.25	+31 34 25.4	9.00	H	279.484 388 67	+31.573 724 82		1.18	−1.76	6.31	0.65	0.75	0.98	0.76	0.91	− 2	−22	− 5	−10	+ 5	−11	+ 2	− 2	+ 5	+ 2	1	0.95
91352 H	18 37 56.62	−00 23 09.0	7.80	H	279.485 911 12	−00.385 827 44	A	1.02	0.98	−9.29	1.78	1.05	1.33	1.53	1.22	−42	−31	+32	−61	+52	+16	+67	−65	−26	−47	1	0.01
91353	18 37 56.84	−08 57 18.2	9.10	H	279.486 847 33	−08.955 054 23		1.16	2.72	−4.89	1.29	0.85	1.43	1.75	1.30	+ 4	−23	+12	+ 8	+ 4	− 5	+ 5	−30	−23	− 5	0	−0.70
91354	18 37 56.98	−46 31 46.9	8.73	H	279.487 409 56	−46.529 684 30		6.58	16.26	−71.05	1.09	0.81	1.28	1.44	0.93	+11	−21	−11	+18	− 7	+ 6	−10	−13	−10	−15	0	0.42
91355	18 37 57.09	−02 35 25.7	6.90	H	279.487 856 49	−02.590 469 18		6.38	15.72	−24.26	0.84	0.56	0.93	0.90	0.69	+15	−13	− 7	− 9	−13	+ 3	−15	−34	− 5	+ 7	0	0.80
91356	18 37 57.14	+31 19 00.2	7.52	H	279.488 068 18	+31.316 714 22		1.36	4.35	0.25	0.50	0.58	0.77	0.58	0.70	− 2	−10	− 4	+13	− 3	−19	− 4	+20	− 4	− 5	0	−0.81
91357	18 37 57.41	+22 22 52.3	8.35	2 H	279.489 195 11	+22.381 184 52		6.46	13.81	−53.62	0.43	0.62	0.98	0.46	0.69	+ 5	− 7	− 1	+32	+37	+ 0	+36	+20	+ 1	−16	3	1.82
91358	18 37 58.21	−01 49 01.1	8.74	H	279.492 540 46	−01.816 977 26		1.65	0.68	1.06	1.03	0.70	1.13	1.01	0.83	+14	−23	−11	−17	+ 1	+ 2	− 2	−39	− 1	− 1	2	0.16
91359	18 37 58.78	+37 26 05.8	8.17	2 H	279.494 906 65	+37.434 946 32		1.29	2.92	−0.64	0.56	0.58	0.71	0.66	0.92	+ 2	− 6	−17	+ 8	+ 0	−14	− 3	+12	+20	−15	0	2.40
91360	18 37 58.89	−06 48 16.2	8.34	H	279.495 392 81	−06.804 510 53		26.97	−129.68	−397.61	1.03	0.72	1.12	0.93	0.80	+ 9	−39	− 2	−16	+ 2	+ 3	+ 5	−38	− 1	+18	0	−0.64
91361	18 37 59.94	+28 37 47.8	6.92	H	279.499 739 23	+28.629 935 13		1.68	−1.06	3.20	0.47	0.51	0.71	0.56	0.55	− 2	−15	+10	+ 7	+19	−13	+19	+11	− 6	+ 4	0	−1.64
91362 H	18 38 00.08	+08 00 02.7	8.94	H	279.500 345 23	+08.000 738 27	A	2.62	−3.30	−8.14	2.14	1.51	1.92	1.78	1.59	+45	−25	−11	−46	−19	+21	− 8	−40	+ 2	+32	1	0.74
91363	18 38 01.03	+46 48 36.7	8.44	H	279.504 301 31	+46.810 185 20		1.23	−0.83	1.69	0.61	0.62	0.69	0.71	0.78	+ 8	+ 1	− 4	+ 1	− 1	−10	− 1	+27	−20	+10	0	0.18
91364	18 38 01.74	+42 39 54.2	8.32	H	279.507 247 96	+42.665 057 71		35.14	294.37	63.11	0.62	0.72	0.79	0.67	0.90	+ 2	+ 1	−20	− 7	+ 1	− 4	+ 0	− 4	+11	+13	3	1.29
91365	18 38 02.56	−29 52 55.7	9.53	H	279.510 678 08	−29.882 146 87		7.28	5.30	15.83	1.48	0.85	1.61	1.81	1.19	+ 1	−31	+ 4	+ 7	−24	−10	−28	−48	+18	+ 2	2	−0.35
91366	18 38 03.31	−08 22 08.1	9.49	3 H	279.513 779 59	−08.368 927 48		0.00	−0.63	−2.20	1.53	1.00	1.69	1.65	1.29	+14	−38	−11	+ 5	−19	+ 6	−20	−20	−19	−27	0	1.38
91367	18 38 03.37	−31 21 35.8	9.82	H	279.514 025 10	−31.359 941 78		3.05	−2.22	−2.58	1.60	0.98	1.91	2.08	1.45	+ 6	−31	− 5	−34	−13	+ 6	−11	−72	+24	+21	0	1.77
91368	18 38 03.51	−04 55 20.5	9.32	H	279.514 644 97	−04.922 368 37		6.05	17.36	−6.54	1.20	0.81	1.32	1.26	1.03	− 2	−36	− 5	+ 4	− 3	+ 5	− 2	−18	+ 0	− 2	5	−0.64
91369	18 38 04.48	−14 00 17.1	6.49	G	279.518 669 79	−14.004 762 08		4.70	−0.63	−7.79	0.86	0.56	0.94	0.88	0.68	+ 3	−43	−15	+12	− 3	+20	+ 8	−11	− 6	+11	5	1.11
91370	18 38 04.64	−37 34 48.9	11.02	H	279.519 339 69	−37.580 246 24		−1.50	−4.19	−6.07	2.62	1.86	3.06	3.44	2.31	+ 4	−24	+14	−14	− 7	−13	+ 2	−52	−19	+17	0	1.29
91371	18 38 05.93	+58 25 06.4	9.00	H	279.524 690 12	+58.418 449 90		20.27	275.07	88.89	0.70	0.71	0.74	0.80	0.75	+ 1	− 3	− 7	+11	+23	+ 3	+23	+ 6	− 3	+17	0	−1.81
*91372	18 38 06.54	−76 46 58.6	9.06	H	279.527 238 84	−76.782 953 30		2.19	−6.06	−0.55	0.79	0.81	1.10	0.94	0.88	+ 2	−21	−23	+18	− 7	+ 4	− 6	+ 1	−10	−13	0	−0.27
*91373	18 38 06.47	+39 40 05.9	6.02	2 H	279.526 965 72	+39.668 305 49		2.72	6.69	8.60	0.45	0.50	0.57	0.49	0.73	− 9	− 8	− 9	+ 3	+ 6	− 6	+12	+20	−18	−21	0	1.56
*91374	18 38 06.49	+32 37 27.5	9.76	H	279.527 033 60	+32.624 302 96		0.09	5.49	−1.90	0.84	0.92	1.19	0.99	1.17	+ 2	−19	− 5	+16	+ 9	−18	+10	+27	−12	+ 9	3	2.38
91375	18 38 10.79	+16 30 48.9	8.41	H	279.544 975 41	+16.513 581 26		7.18	22.24	6.74	0.83	0.72	1.02	0.96	0.87	− 5	−11	−12	−36	− 3	+18	+ 1	−46	+17	+22	0	−1.09
91376	18 38 11.09	−46 33 50.6	8.67	H	279.546 198 89	−46.564 063 46		−6.68	5.27	4.14	1.15	0.84	1.28	1.46	0.91	+16	−25	+ 8	+21	+20	− 3	+17	−14	− 9	+13	5	1.78
91377	18 38 11.15	+15 09 51.1	7.96	H	279.546 444 93	+15.164 204 88		6.93	6.64	12.28	0.77	0.58	1.01	0.88	0.79	+ 4	−45	−14	−32	− 6	+21	−17	−40	+26	−11	0	0.45
91378	18 38 11.83	−52 37 39.2	8.27	G	279.549 296 42	−52.627 563 93		6.41	13.83	−83.95	0.90	0.74	1.09	1.06	0.75	+30	−14	+ 4	− 7	−49	−14	−43	−30	− 5	+34	0	1.06
91379	18 38 13.66	+57 14 53.0	8.09	H	279.556 933 82	+57.248 050 99		3.02	−12.13	16.59	0.64	0.58	0.64	0.75	0.63	+ 1	−10	− 9	+27	+ 5	+ 0	+ 7	+19	−15	+ 9	0	0.39
91380 H	18 38 15.24	−25 25 17.2	8.10	H	279.563 517 20	−25.421 454 41	A	2.18	3.55	−7.48	1.89	1.23	1.81	2.13	1.39	+10	−22	− 8	+ 0	+10	−13	+ 4	−17	+19	−14	0	0.41
91381	18 38 16.14	+28 55 35.6	8.44	G	279.567 230 78	+28.926 567 65		28.26	−40.10	−471.72	0.60	0.80	1.03	0.73	0.78	− 9	− 9	+30	− 1	+19	− 6	+18	+ 8	− 8	+ 1	0	0.53
91382	18 38 16.52	+22 32 16.3	8.00	H	279.568 842 42	+22.537 852 74		5.68	−10.91	1.68	0.40	0.61	0.94	0.43	0.68	+11	− 9	− 2	+30	+36	+ 3	+36	+23	− 2	−10	0	−1.03
91383	18 38 17.79	−45 27 58.3	7.63	G	279.574 108 70	−45.466 198 72		8.84	−51.39	−23.09	0.84	0.61	0.98	1.13	0.76	+ 9	−25	− 8	+ 4	+12	+ 5	+ 7	−22	+11	+ 4	0	0.94
91384	18 38 19.02	−01 06 46.8	6.64	G	279.579 262 59	−01.112 988 92		9.71	−38.80	0.71	0.76	0.45	0.81	0.72	0.55	−13	−40	− 8	−30	+23	+20	+30	−34	−13	−26	0	−2.48
91385 H	18 38 19.68	+53 53 06.3	8.40	H	279.582 008 86	+53.885 085 90	A	7.38	62.58	39.03	1.21	1.16	0.99	1.03	1.18	+11	− 8	−14	+ 6	+11	+ 2	+10	+13	+ 7	+32	0	−0.96
91386	18 38 19.80	−32 41 07.8	7.29	H	279.582 492 29	−32.685 505 99		13.83	3.82	−127.44	0.98	0.65	1.00	1.39	0.89	−42	−10	−16	−29	+57	−16	+49	−65	+30	−46	0	0.58
91387	18 38 19.96	+28 18 11.8	8.55	H	279.583 164 80	+28.303 276 70	A	2.05	8.80	21.98	1.57	1.85	2.12	1.83	2.06	+ 7	− 3	+ 9	+21	+17	− 1	+18	+21	− 3	+ 9	1	1.20
91388	18 38 20.22	+59 15 13.8	8.77	H	279.584 259 46	+59.253 846 99		1.13	−3.96	4.71	0.68	0.69	0.73	0.79	0.75	+ 7	− 1	−17	+16	+21	+ 1	+22	− 4	+ 9	+18	0	0.32
91389	18 38 21.13	+08 50 02.6	7.41	3 T	279.588 057 09	+08.834 047 02		−25.80	−13.80	27.17	16.60	12.42	18.05	18.02	15.31	−11	+ 6	−23	−43	+25	−21	+24	−45	+16	−16	0	
91390	18 38 21.27	+14 22 51.7	7.93	H	279.588 627 38	+14.381 022 08		8.42	−30.71	−6.89	0.83	0.62	1.06	0.95	0.76	+10	−32	−10	−40	−29	+18	−33	−56	+27	+17	0	2.35
91391	18 38 21.71	+61 01 02.2	9.33	H	279.590 465 28	+61.017 290 35		10.11	9.75	51.06	0.89	0.78	0.86	1.06	0.96	+ 8	− 7	− 2	+22	+13	+14	+15	+18	− 5	+14	0	−0.56
91392 H	18 38 22.46	+28 41 49.4	8.18	G	279.593 567 93	+28.697 069 09	A	3.00	−2.62	−17.64	1.67	2.13	2.48	1.72	1.94	− 5	−23	+44	+ 0	+18	+ 7	+15	− 5	− 4	+12	0	0.18
91393	18 38 23.31	+63 32 13.8	9.83	H	279.597 122 18	+63.537 172 01	B	14.22	−20.30	1.33	30.93	34.43	10.48	14.00	14.57	+ 8	+ 4	− 8	+10	+10	+ 7	+13	+11	− 3	+14	0	−0.43
91394 H	18 38 23.80	−03 11 37.4	6.49	G	279.599 147 23	−03.193 721 55	*	20.01	6.47	33.59	0.88	0.51	0.93	0.93	0.70	+12	−10	− 9	+23	−18	+16	−39	−18	−28	−45	0	−1.93
91395 H	18 38 23.87	+67 07 33.9	7.70	H	279.599 446 58	+67.126 097 06	*	19.11	−133.33	183.71	0.54	0.53	0.59	0.41	0.61	− 4	−31	+ 4	−58	+ 5	+25	+ 3	+ 7	+ 1	+ 0	1	2.15
91396	18 38 24.24	+63 31 58.2	6.85	H	279.601 014 74	+63.532 826 96	A	5.26	−20.54	16.26	1.12	1.11	0.87	1.12	1.19	+12	+ 4	− 1	+20	+14	− 2	+18	+22	− 9	+13	0	−0.43
91397	18 38 24.32	+60 42 39.3	6.65	H	279.601 329 73	+60.710 924 69		9.37	1.52	54.67	0.52	0.48	0.50	0.64	0.58	+11	− 2	− 4	+32	+17	− 8	+17	+25	− 5	+10	0	0.23
91398	18 38 24.64	+55 26 42.

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″		ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65		66	67	68-70
91301	7.277	0.008	6.905	0.008		0.362	0.015	G	0.42	0.02	H	6.9568	0.0013	0.011	63		6.94	6.98					1							S
91302	9.873	0.019	7.784	0.008		1.728	0.016	T	1.75	0.02	L	7.6826	0.0013	0.013	118		7.66	7.70					1							
91303	9.141	0.014	8.655	0.013		0.457	0.017	T	0.53	0.02	L	8.7163	0.0019	0.016	96		8.69	8.74		C			1							S
91304	8.907	0.020	8.505	0.021		0.380	0.027	T	0.44	0.03	L	8.5678	0.0021	0.013	54		8.55	8.59		D	18375−2130	I 1	1 S							
91305	9.112	0.017	8.119	0.013		0.869	0.016	T	0.88	0.01	L	8.1704	0.0015	0.013	91		8.15	8.19		C			1							
91306	8.406	0.010	6.854	0.005		1.294	0.009	G	1.24	0.06	F	6.8619	0.0009	0.009	142		6.84	6.88					1							S
91307	10.054	0.022	9.691	0.025		0.344	0.031	T	0.40	0.04	L	9.7844	0.0024	0.024	118		9.75	9.83		C			1 S							G
91308	8.390	0.017	6.877	0.009		1.272	0.015	T	1.23	0.02	L	6.8975	0.0015	0.009	45		6.88	6.92					1							S
91309	10.102	0.031	8.893	0.019		1.034	0.028	T	1.01	0.02	L	8.9740	0.0027	0.015	72		8.95	9.00		C			1							
91310	9.050	0.012	7.198	0.006		1.540	0.011	T	1.59	0.02	L	7.1508	0.0012	0.012	107		7.13	7.17					1							S
91311	10.041	0.025	8.859	0.016		1.013	0.023	T	0.99	0.02	L	8.9252	0.0021	0.020	122		8.89	8.96					1							
91312	10.241	0.036	9.360	0.028		0.816	0.026	G	0.84	0.02	H	9.4126	0.0022	0.022	87		9.38	9.45		D			1 S							G
91313	9.247	0.016	8.170	0.011		0.932	0.015	T	0.93	0.01	L	8.2265	0.0021	0.014	100		8.20	8.26		C			1							
91314	7.504	0.007	7.010	0.007		0.476	0.008	T	0.55	0.01	L	7.0582	0.0010	0.008	71		7.04	7.08		C			1							S
91315	5.673	0.002	5.726	0.003		−0.045	0.003	T	−0.02	0.00	L	5.7274	0.0006	0.005	99		5.72	5.73		C			1							S
91316	11.643	0.082	10.054	0.033		1.355	0.073	T	3.20	0.98	K	9.3082	0.0394	0.301	111		8.85	9.69	292.00	P 1 A			1 S							
91317	9.632	0.012	8.570	0.008		0.915	0.005	G	0.91	0.00	H	8.6272	0.0013	0.019	249		8.60	8.66					1							
91318	7.861	0.008	7.436	0.007		0.401	0.010	T	0.47	0.01	L	7.4931	0.0011	0.010	104		7.48	7.51		C			1							S
91319	8.125	0.010	7.975	0.010		0.144	0.013	T	0.16	0.01	L	8.0030	0.0015	0.014	98		7.99	8.03					1							S
91320	9.341	0.013	8.992	0.014		0.310	0.001	G	0.36	0.00	H	9.0850	0.0030	0.022	100		9.04	9.13					1							
91321	9.476	0.013	9.092	0.013		0.348	0.005	G	0.41	0.01	H	9.1273	0.0019	0.022	166		9.09	9.16					1							
91322	5.849	0.004	5.779	0.004		0.067	0.010	G	0.09	0.03	C	5.7962	0.0007	0.005	75		5.78	5.81					1							S
91323	10.272	0.024	8.912	0.014		1.152	0.022	T	1.11	0.02	L	8.9415	0.0014	0.013	131		8.91	8.96					1							
91324	8.792	0.011	8.354	0.011		0.436	0.015	G	0.50	0.02	H	8.4017	0.0017	0.013	109		8.38	8.43		C			1							
91325	10.600	0.046	9.044	0.022		1.306	0.040	T	1.27	0.04	L	9.0383	0.0021	0.016	79		9.01	9.08		C			1							
91326						1.360	0.020	G	1.59	0.04	I	10.9164	0.0031	0.037	117		10.84	10.97					1							G
91327	7.781	0.010	7.741	0.012		0.036	0.014	T	0.05	0.01	L	7.7570	0.0017	0.019	86		7.73	7.99		P 1 A			1							S
91328	8.625	0.011	8.489	0.012		0.131	0.015	T	0.15	0.01	L	8.4979	0.0018	0.015	142		8.47	8.52		C			1							
91329	9.151	0.017	7.670	0.009		1.247	0.015	T	1.21	0.01	L	7.6784	0.0011	0.012	104		7.66	7.70					1							S
91330	9.632	0.019	8.976	0.017	A	0.900	0.495	G	0.65	0.03	L	9.0042	0.0030	0.018	97		8.97	9.03			18377−4029	I 1	2 C B	AB	189	2.057	0.031		3.23	0.15	
91331	10.985	0.064	9.950	0.043		0.900	0.058	T	0.90	0.04	L	10.0189	0.0056	0.025	58		9.97	10.06					1 X							G
91332	8.827	0.015	8.058	0.013		0.679	0.015	G	0.74	0.01	H	8.1133	0.0027	0.016	67		8.08	8.15					1							
91333	9.366	0.018	9.095	0.019		0.258	0.025	T	0.29	0.03	L	9.1567	0.0026	0.019	116		9.13	9.19					1							
91334	7.875	0.008	7.949	0.010		−0.063	0.012	T	−0.04	0.01	L	7.9511	0.0011	0.011	97		7.93	7.98		C			1							S
91335	10.225	0.026	8.325	0.011		1.578	0.022	T	1.60	0.02	L	8.2318	0.0055	0.047	102		8.17	8.30		U 2			1 S							P
91336	7.808	0.009	7.451	0.008		0.338	0.011	T	0.39	0.01	L	7.5026	0.0018	0.012	80		7.48	7.52		C			1							S
91337	7.216	0.006	6.821	0.007		0.374	0.009	T	0.44	0.01	L	6.8612	0.0008	0.006	72		6.85	6.87		D			1							S
91338	6.640	0.004	6.673	0.006		−0.026	0.007	T	0.00	0.01	L	6.6756	0.0008	0.007	95		6.66	6.69		C			1							S
91339	9.324	0.014	7.600	0.007		1.438	0.012	T	1.43	0.02	L	7.5761	0.0010	0.011	143		7.55	7.60					1							S
91340	10.242	0.034	9.477	0.029	*	0.697	0.035	T	0.75	0.03	L	9.5317	0.0019	0.020	64	*	9.50	9.57		D	18378−1121	I 1	2 C A	AB	198	0.381	0.004		0.59	0.03	G
91341	8.721	0.019	8.153	0.018		0.535	0.019	T	0.61	0.02	L	8.2057	0.0030	0.014	51		8.18	8.24		C			1							
91342	9.933	0.030	8.123	0.014		1.507	0.026	T	1.54	0.04	L	7.9708	0.0319	0.224	52		7.69	8.23	5.82	P 1 A			1 S							
91343	7.507	0.009	6.875	0.007		0.582	0.008	T	0.65	0.01	L	6.8982	0.0011	0.007	54		6.88	6.92		C			1							S
91344	9.946	0.033	8.081	0.014		1.550	0.028	T	1.62	0.04	L	8.0383	0.0018	0.011	52		8.01	8.06		C			1 S							
91345	10.389	0.020	8.548	0.008		1.563	0.018	T	2.33	0.04	O	8.3718	0.0020	0.029	231		8.33	8.42		U 2			1							
91346	9.816	0.023	8.449	0.013		1.158	0.021	T	1.12	0.02	L	8.5242	0.0020	0.015	108		8.50	8.55					1							
91347	6.168	0.006	5.956	0.005		0.189	0.003	G	0.21	0.00	H	5.9952	0.0009	0.005	46		5.99	6.00		C			1							S
91348	10.134	0.025	8.871	0.015		1.076	0.023	T	1.04	0.02	L	8.9550	0.0014	0.014	115		8.93	8.99		C			1							
91349	8.347	0.019	7.447	0.013		0.926	0.015	G	0.92	0.01	H	7.4876	0.0015	0.011	55		7.47	7.52		M			1							S
91350	10.534	0.030	9.231	0.017		1.107	0.027	T	1.07	0.03	L	9.2143	0.0029	0.023	132		9.18	9.25					1 G							
91351	9.342	0.016	9.038	0.017		0.289	0.022	T	0.33	0.03	L	9.0744	0.0024	0.019	124		9.04	9.11					1							
91352	8.304	0.032	7.779	0.032	*	0.502	0.034	T	0.57	0.04	L	7.9053	0.0011	0.010	83	*	7.89	7.92		D	18379−0023	I 1	2 C A	AB	258	3.278	0.008		1.80	0.02	S
91353	9.674	0.028	9.170	0.027		0.499	0.015	G	0.57	0.02	H	9.2104	0.0028	0.019	48		9.17	9.24		C			1							
91354	9.195	0.017	8.789	0.018		0.397	0.021	T	0.46	0.02	L	8.8221	0.0023	0.022	83		8.78	8.86		C			1							
91355	8.293	0.015	7.026	0.007		1.079	0.013	T	1.04	0.01	L	7.0705	0.0013	0.007	55		7.06	7.08		C			1							S
91356	8.789	0.011	7.630	0.008		0.995	0.011	T	0.97	0.01	L	7.6884	0.0011	0.011	127		7.67	7.71		C			1 G							S
91357	8.720	0.014	8.385	0.015		0.348	0.015	G	0.41	0.02	H	8.4297	0.0019	0.027	302		8.38	8.47		U 2			1							
91358	8.968	0.014	8.739	0.016		0.218	0.020	T	0.24	0.02	L	8.8044	0.0020	0.019	82		8.78	8.83		C			1							
91359	8.178	0.009	8.165	0.011		0.017	0.013	T	0.04	0.01	L	8.1817	0.0078	0.087	110		8.08	8.42		U 2			1							
91360	9.397	0.021	8.423	0.016		0.833	0.007	G	0.88	0.01	H	8.4863	0.0017	0.010	56		8.47	8.50					1							
91361	6.762	0.004	6.896	0.005		−0.117	0.006	T	−0.10	0.01	L	6.8814	0.0013	0.013	150		6.86	6.90					1							S
91362	9.142	0.016	9.036	0.020	*	0.103	0.024	T	0.12	0.03	L	8.9776	0.0017	0.013	84	*	8.96	9.00		D	18380+0800	I 1	2 C A	AB	223	1.050	0.009		1.14	0.02	
91363	9.902	0.021	8.546	0.012		1.149	0.019	T	1.11	0.02	L	8.6128	0.0017	0.015	115		8.58	8.64		C			1							
91364	9.369	0.016	8.425	0.012		0.822	0.003	G	0.86	0.00	H	8.4619	0.0018	0.017	111		8.43	8.49					1							
91365	10.113	0.027	9.626	0.029		0.470	0.031	T	0.54	0.03	L	9.6321	0.0018	0.018	93		9.60	9.66		D			1							G
91366	11.659	0.151	9.857	0.047		1.500	0.125	T	1.53	0.19	L	9.6074	0.0410	0.209	52		9.48	10.07	10.34	P 1 A			1							G
91367	10.609	0.047	9.886	0.040		0.650	0.047	T	0.71	0.04	L	9.9587	0.0021	0.020	111		9.93	9.99					1							G
91368	9.785	0.024	9.340	0.025		0.420	0.032	T	0.49	0.03	L	9.4157	0.0031	0.026	69		9.37	9.46			18381−0455	I 1	1 S							G
91369	6.722	0.006	6.558	0.007		0.189	0.003	G	0.21	0.00	H	6.5571	0.0013	0.007	52		6.55	6.57			18381−1400	I 1	1 S							S
91370											T	11.1595	0.0063	0.049	79		11.02	11.22					1 S							G
91371	10.003	0.025	9.094	0.018		0.792	0.024	T	0.82	0.02	L	9.1440	0.0017	0.018	120		9.11	9.18					1							
91372	10.542	0.028	9.167	0.015		1.164	0.025	T	1.13	0.02	L	9.2224	0.0021	0.024	151		9.19	9.27		C			1							
91373	8.000	0.021	6.303	0.027		1.444	0.028	T	3.17	0.10	O	5.8693	0.0262	0.205	103		5.55	6.02		U 2			1 S							S
91374	11.763	0.110	9.920	0.033		1.533	0.091	T	1.58	0.20	L	9.8762	0.0031	0.025	120		9.83	9.92					1							G
91375	8.705	0.011	8.436	0.012		0.256	0.015	T	0.29	0.02	L	8.4822	0.0022	0.016	98		8.45	8.51					1							
91376	10.479	0.043	8.849	0.020		1.364	0.037	T	1.33	0.04	L	8.8172	0.0021	0.017	76		8.78	8.86		D			1 S							
91377	8.137	0.010	7.972	0.011		0.158	0.014	T	0.17	0.01	L	8.0125	0.0014	0.013	107		7.99	8.03					1							
91378	8.613	0.012	8.285	0.013		0.327	0.015	G	0.38	0.02	H	8.3451	0.0019	0.015	94		8.33	8.38					1							S
91379	9.497	0.017	8.203	0.011		1.100	0.016	T	1.06	0.02	L	8.2572	0.0014	0.014	105		8.23	8.29		C			1							
91380	8.594	0.025	8.105	0.026	*	0.460	0.033	T	0.53	0.04	L	8.1997	0.0019	0.014	61	*	8.17	8.22		D	18383−2525	I 1	2 C A	AB	178	4.412	0.011		2.15	0.07	S
91381	9.280	0.013	8.454	0.010		0.704	0.002	G	0.75	0.00	H	8.5542	0.0016	0.017	152		8.52	8.58		C			1							
91382	9.448	0.010	8.119	0.006		1.128	0.009	T	1.09	0.01	L	8.1681	0.0010	0.016	295		8.14	8.20					1							
91383	8.317	0.013	7.676	0.010		0.589	0.012	T	0.66	0.01	L	7.7472	0.0012	0.010	79		7.72	7.77					1							S
91384	7.151	0.006	6.694	0.005		0.433	0.017	G	0.50	0.02	H	6.7416	0.0014	0.010	84		6.73	6.76					1							S
91385	8.922	0.012	8.459	0.012	*	0.436	0.016	T	0.50	0.02	L	8.4935	0.0018	0.011	90	*	8.47	8.51		D	18383+5353	I 1	2 C A	AB	115	0.456	0.003		1.08	0.02	
91386	7.767	0.007	7.344	0.006		0.413	0.008	T	0.48	0.01	L	7.3841	0.0012	0.010	119		7.36	7.40			18383−3241	I 1	1							S
91387	9.735	0.018	8.614	0.012	A	0.965	0.017	T	0.95	0.01	L	8.7118	0.0350	0.027	148	A	8.66	8.75			18383+2818	M 1	2 C B	AB	8	20.964	0.085		2.06	0.22	
91388	10.065	0.025	8.881	0.016		1.015	0.023	T	0.99	0.02	L	8.9366	0.0028	0.023	115		8.90	8.98		R			1							
91389	8.961	0.014	7.538	0.008		1.201	0.013	T	1.16	0.01	L	7.2831	0.2568	0.912	84		5.83	8.06	337.00	P 1 B	18384+0850	I 1	1 X S							P
91390	8.546	0.010	7.997	0.009		0.534	0.015	G	0.61	0.02	H	8.0463	0.0010	0.013	124		8.02	8.07		C			1							S
91391	10.000	0.023	9.393	0.021		0.566	0.027	T	0.64	0.03	L	9.4513	0.0030	0.021	101		9.41	9.50					1							
91392	9.170	0.015	8.496	0.012	*	0.657	0.014	G	0.72	0.01	H	8.3030	0.0018	0.019	147	*	8.27	8.33		D	18384+2842	I 1	2 C A	AB	62	1.108	0.005		0.38	0.02	S
91393	10.556	0.049	9.833	0.039	B	0.664	0.051	T	0.73	0.04	L	10.1632	0.1034			B				D	18384+6332	I 2	1 C I A							
91394	7.174	0.007	6.545	0.006	*	0.553	0.002	G	0.64	0.07	F	6.6057	0.0016	0.008	45	*	6.60	6.62		D	18384−0312	I 1	2 C S A	AB	15	0.130	0.005		0.29	0.28	S
91395	8.464	0.010	7.777	0.009	*	0.635	0.011	T	0.70	0.01	L	7.8327	0.0008	0.008	107	*	7.82	7.85		D	18384+6707	I 1	2 C S A	AB	314	0.168	0.007		0.64	0.24	S
91396	8.306	0.011	6.961	0.006	A	1.140	0.010	T	1.10	0.01	L	7.0146	0.0068	0.018	105	A	6.99	7.04		D	18384+6332	I 2	1 C P A							S
91397	7.104	0.005	6.688	0.005		0.393	0.007	T	0.46	0.01	L	6.7425	0.0007	0.007	110		6.73	6.75			18384+6043	I 1	1							S
91398	10.128	0.030	8.281	0.012		1.536	0.026	T	1.59	0.06	L	8.2167	0.0022	0.018	92		8.19	8.24					1							
91399	7.595	0.010	7.187	0.010	*	0.405	0.015	G	0.47	0.02	H	7.2966	0.0011	0.013	137	*	7.28	7.32		D	18384+3603	I 1	2 C A	AB	186	4.331	0.005		1.26	0.02	S
91400	8.633	0.009	8.437	0.011		0.187	0.013	T	0.21	0.01	L	8.4517	0.0012	0.014	127		8.43	8.48		C			1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ $\mu_{\alpha*}$	μ_δ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
1 2	h m s	±° ′ ″	mag 5 6 7		deg 8	deg 9 10	mas 11	mas/yr 12	13	mas 14	15	mas 16	mas/yr 17	18	19	20	21	22	23	24	25	26	27	28	% 29	30
91401	18 38 26.21	+25 16 03.6	7.78	H	279.609 221 16	+25.267 675 97	3.53	4.10	5.36	0.46	0.59	0.82	0.55	0.75	+ 3	+ 0	+ 4	+18	+17	+ 1	+17	+ 8	+10	– 1	0	1.27
91402	18 38 26.52	−23 06 10.5	7.28	G	279.610 507 36	−23.102 922 52	2.41	14.76	−21.00	1.11	0.68	1.13	1.30	0.87	−13	−37	−17	+22	−14	− 2	−18	−10	+ 6	−27	3	0.33
91403	18 38 26.97	−03 38 33.2	8.81	H	279.612 377 18	−03.642 562 32	2.09	12.00	−17.99	1.06	0.76	1.24	1.06	0.87	+16	− 6	−25	−22	− 5	+ 0	− 6	−26	−16	– 1	0	−0.23
91404	18 38 28.24	−52 49 10.1	9.56	H	279.617 674 06	−52.819 466 90	23.27	21.03	−269.94	1.34	1.03	1.61	1.51	1.05	+25	−22	−11	–	4	−45	−11	−42	−22	+ 4	+29	8	−0.14
91405	18 38 30.72	−23 30 17.4	5.78	H	279.627 981 12	−23.504 845 60	7.01	−0.53	−19.60	0.90	0.57	0.98	1.10	0.71	+ 1	−39	−36	+30	− 6	−12	−25	− 7	+18	−47	0	0.91
91406	18 38 31.60	−48 43 14.5	6.54	H	279.631 661 51	−48.720 705 07	4.66	12.84	−30.11	0.68	0.55	0.83	0.99	0.73	+ 7	− 7	− 5	− 2	+ 0	−24	− 2	−23	+11	+ 3	2	0.52
91407	18 38 32.02	+55 14 42.5	7.63	H	279.633 429 02	+55.245 131 35	9.43	5.60	61.36	0.58	0.58	0.61	0.63	0.66	+10	−12	−27	+27	+ 0	− 2	+ 2	+ 1	+ 0	+18	0	−1.53
*91408	18 38 34.40	+15 05 01.2	6.78	H	279.643 316 28	+15.083 667 82	7.07	3.04	7.91	0.65	0.48	0.84	0.71	0.60	+12	−44	−22	−40	−14	+19	−24	−53	+39	+17	0	0.54
*91409	18 38 34.36	−57 26 51.9	8.89	H	279.643 183 52	−57.447 760 00	8.03	−50.72	−74.60	0.90	0.71	1.04	1.07	0.74	−20	−12	−15	+27	−34	+15	−28	+ 3	− 4	−17	2	−0.54
91410	18 38 34.70	+20 37 39.6	9.33	G	279.644 572 24	+20.627 658 14	16.23	−32.81	−207.99	0.88	0.98	1.42	1.17	1.30	− 4	− 4	−18	+20	− 2	+ 7	+ 2	−22	+ 5	+ 4	0	1.38
91411	18 38 35.80	−49 27 03.0	7.82	H	279.649 183 02	−49.450 834 89	8.90	34.53	−1.37	0.75	0.60	0.90	1.05	0.73	− 3	−15	−17	+ 8	+12	−16	+ 2	−17	+15	−26	0	1.60
91412	18 38 36.51	−40 32 47.8	9.10	H	279.652 117 99	−40.546 621 92	1.09	7.98	0.25	1.22	0.80	1.36	1.44	0.88	+15	−39	−18	+ 1	+ 1	−12	− 9	−41	+ 2	−14	0	−0.39
91413 H	18 38 36.74	+16 32 27.7	7.73	H	279.653 068 38	+16.541 029 23 A	8.02	−52.54	−50.09	3.65	2.62	1.26	1.23	1.09	+53	− 9	− 2	−25	− 9	+18	− 9	−32	+29	+40	0	1.15
91414	18 38 36.78	−16 18 36.2	7.75	H	279.653 256 34	−16.310 054 30	8.22	−2.88	−6.72	0.85	0.59	0.95	0.99	0.72	+ 1	−13	−28	+ 1	+ 3	+10	+ 9	−30	+ 7	+ 7	0	0.52
91415	18 38 38.13	−05 59 24.9	8.49	H	279.658 860 34	−05.990 257 46	5.66	25.38	−2.53	0.91	0.64	1.13	1.12	0.80	+22	−28	−13	+ 5	+14	+36	+ 7	−39	+ 4	+ 1	0	0.49
91416 H	18 38 39.36	−49 21 41.9	9.89	H	279.663 993 50	−49.361 627 04 A	6.81	12.09	−7.58	2.31	1.96	2.48	2.73	1.95	+ 5	−15	− 3	−14	+ 7	−18	+ 1	−36	+18	– 1	1	0.15
91417	18 38 39.78	+30 27 07.3	7.29	2 H	279.665 739 59	+30.452 039 44	2.98	−3.01	−9.72	0.48	0.58	0.71	0.56	0.66	− 4	− 3	−11	+17	+15	−16	+13	+13	+ 0	+ 2	0	−0.62
91418 H	18 38 39.85	+04 51 17.7	6.71	G	279.666 060 01	+04.854 906 96 A	6.69	−7.27	−47.65	0.94	0.66	1.04	0.88	0.74	+25	−25	−20	− 9	+10	+ 8	+ 6	−23	+32	+24	3	0.56
91419	18 38 40.62	+06 42 50.1	11.89	H	279.669 242 31	+06.713 909 23	−4.20	−9.99	−6.58	2.71	2.09	3.54	3.79	3.22	+ 8	− 9	−33	−30	+22	−12	+18	−35	+20	−40	2	−1.43
91420	18 38 40.74	−56 14 23.5	11.58	H	279.669 764 94	−56.239 849 04	3.50	−7.30	−1.53	5.75	4.87	7.26	7.23	5.63	+ 4	−16	−12	+ 3	−19	− 2	−20	−24	+10	– 3	0	
*91421	18 38 41.49	+24 38 52.0	8.12	H	279.672 890 49	+24.647 786 95	10.48	29.94	−18.98	0.50	0.62	0.90	0.61	0.82	+ 0	−12	+ 4	+ 8	+19	+ 2	+21	– 1	− 7	−16	1	0.79
*91422	18 38 41.31	+17 52 54.0	8.90	2 H	279.672 123 88	+17.881 669 82	−0.86	2.07	5.57	0.81	0.85	1.22	0.95	1.03	−18	+11	+ 0	−15	+20	− 5	+20	−15	+ 6	+ 0	1	0.74
91423	18 38 41.68	+31 09 29.6	8.44	H	279.673 677 39	+31.158 219 53	1.23	3.92	−6.44	0.57	0.62	0.82	0.70	0.75	+ 7	− 7	+ 0	+26	+ 1	−19	+ 4	− 6	+ 2	+16	1	1.13
91424	18 38 41.87	−30 01 40.4	6.84	H	279.674 473 88	−30.027 895 50	9.15	−4.08	−3.77	0.89	0.49	0.91	1.10	0.67	−17	−30	+14	+23	−21	− 6	−24	−32	+ 7	−15	0	0.82
91425	18 38 42.35	−70 14 07.5	7.49	H	279.676 450 75	−70.235 417 98	3.45	2.92	−12.03	0.37	0.58	0.84	0.40	0.60	+ 1	−12	− 9	+24	− 5	− 6	−10	−20	−12	−16	0	0.08
91426	18 38 42.51	+17 23 15.5	9.52	H	279.677 113 10	+17.387 651 05	0.16	15.49	0.97	1.25	0.99	1.55	1.66	1.31	−10	− 6	−15	−45	+16	+10	+22	−48	+ 9	−36	0	0.48
91427	18 38 43.17	−51 22 43.8	10.67	H	279.679 858 64	−51.378 847 12	2.59	11.18	−33.17	2.22	1.53	2.66	2.21	1.53	+39	−49	−26	+ 8	+41	+ 0	−39	−20	+14	+40	3	0.95
91428	18 38 43.23	−12 36 46.6	9.69	H	279.680 119 44	−12.612 944 77	2.11	−1.03	−7.89	1.31	0.88	1.48	1.43	1.04	+19	−26	−24	+ 8	− 3	+15	+ 3	−23	− 4	+17	6	1.78
91429	18 38 44.65	+68 53 57.3	8.85	H	279.686 039 83	+68.899 261 53	4.80	3.78	6.48	0.69	0.67	0.71	0.74	0.75	+ 5	−19	− 7	+12	+12	− 3	+14	−18	+ 9	+16	0	0.70
91430 H	18 38 44.68	−14 29 21.0	11.28	G	279.686 160 17	−14.489 179 69 *	78.52	110.63	−569.18	2.57	1.66	2.87	3.39	2.42	+ 3	−23	−25	+ 9	+ 4	+22	+12	−27	− 9	− 6	0	0.48
91431	18 38 45.28	−12 03 06.7	8.38	H	279.688 683 34	−12.051 872 55	3.68	3.56	5.92	0.93	0.61	1.04	1.01	0.76	+20	−22	− 4	+ 6	+ 8	+25	+12	−14	− 4	+22	0	−0.71
91432	18 38 48.82	−31 13 17.9	9.05	H	279.703 435 92	−31.221 630 48	4.06	4.07	−0.31	1.38	0.76	1.56	1.63	1.11	− 8	−47	+12	−14	− 9	+12	−14	−52	+14	+ 5	0	−0.22
91433 H	18 38 49.59	−63 22 50.8	9.09	H	279.706 641 99	−63.380 768 13 *	2.93	10.45	−17.90	1.77	1.55	1.61	1.67	1.12	−27	+ 5	−20	+45	−25	− 2	−14	+23	−20	−14	2	−0.19
91434	18 38 49.92	−85 42 31.9	8.11	H	279.707 996 92	−85.708 847 96	15.89	147.50	−42.38	0.54	0.63	0.70	0.60	0.77	− 5	−14	− 3	+ 1	−12	− 2	−11	+16	− 7	−12	0	0.46
91435	18 38 49.97	+27 51 28.8	8.62	H	279.708 198 55	+27.857 987 96	2.82	13.85	3.13	0.69	0.81	1.14	0.92	0.97	− 5	−18	+28	+ 7	+20	+13	+25	+10	−12	−20	0	0.71
91436 H	18 38 51.27	+52 20 38.2	6.92	G	279.713 623 45	+52.343 946 91 A	2.68	6.85	−5.28	1.09	1.14	1.06	1.06	1.16	+20	− 7	− 7	−17	+ 0	−15	+ 1	+16	+ 0	+12	1	0.42
91437	18 38 52.93	+05 20 16.6	9.03	G	279.720 538 89	+05.337 931 17	2.84	1.57	−4.01	1.17	0.78	1.54	1.17	0.96	+32	−41	−24	−27	+ 4	+38	+ 6	−23	+25	+26	0	−0.02
*91438	18 38 53.45	−21 03 05.4	5.85	H	279.722 697 06	−21.051 501 99	77.02	−74.88	−151.87	0.89	0.54	0.85	1.07	0.74	− 2	−34	+ 2	+40	−20	+ 7	−14	+ 2	− 4	+10	0	−1.64
*91439	18 38 53.40	−76 29 57.2	7.80	G	279.722 498 76	−76.499 226 13	15.58	12.89	−50.68	0.53	0.56	0.75	0.67	0.63	− 7	−22	− 7	+20	−10	+ 0	−10	+ 3	− 5	−23	2	−1.02
91440	18 38 54.95	+06 16 14.8	7.14	G	279.728 950 11	+06.270 769 66	5.25	−0.08	5.20	0.70	0.53	0.87	0.77	0.68	+12	−20	−30	−19	+13	+15	+18	−18	+16	+ 4	0	0.79
91441	18 38 56.01	−24 42 28.9	8.78	H	279.733 369 41	−24.708 015 54	1.34	12.15	−2.80	1.18	0.71	1.26	1.64	0.97	+14	−34	−34	+36	− 7	− 3	−28	− 3	+16	−44	0	0.28
91442	18 38 56.35	−39 31 10.7	8.22	H	279.734 806 18	−39.519 643 56	2.60	0.53	−0.26	1.13	0.79	1.25	1.60	0.96	−35	+13	−36	−35	+41	−39	+29	−63	+37	−55	0	−0.76
91443	18 38 56.64	−44 59 26.9	11.83	2 H	279.735 990 78	−44.990 807 60	2.80	−7.50	−13.11	7.17	5.75	8.52	10.00	6.34	−13	−13	−38	− 9	+38	−20	+23	−48	+24	−33	0	
91444	18 38 58.58	+32 13 45.3	7.12	H	279.744 080 91	+32.229 246 12	1.15	−11.74	3.43	0.51	0.56	0.74	0.62	0.70	+ 3	−15	−14	+ 0	+ 4	−17	+ 1	+ 7	+ 5	+ 1	0	0.57
91445	18 38 59.30	−52 59 09.2	7.65	H	279.747 063 60	−52.985 884 58	4.79	−3.84	−57.42	0.82	0.61	0.99	0.91	0.64	+ 9	−29	− 7	+19	−40	− 1	−36	− 7	+12	+17	0	0.64
91446	18 39 02.07	−23 10 55.5	6.71	H	279.758 629 81	−23.182 082 09	0.73	−1.23	−2.77	0.99	0.58	1.05	1.10	0.74	− 1	−51	−19	+13	− 2	− 8	−14	−17	+13	−32	0	1.87
91447	18 39 02.35	+09 51 48.7	9.23	H	279.759 797 25	+09.863 541 31	1.30	7.14	0.49	1.14	0.84	1.37	1.62	1.25	+40	−27	−24	–	1	− 1	+ 3	− 3	−35	+24	+45	0	2.38
91448	18 39 02.53	−15 02 21.3	7.48	2 H	279.760 537 22	−15.039 263 57	3.35	−15.51	−1.62	0.88	0.59	0.98	1.03	0.80	+ 2	−31	−16	−10	+ 1	+18	+ 6	−39	+ 7	+10	5	0.15
91449	18 39 04.47	−50 03 15.0	8.84	H	279.768 611 05	−50.054 158 28	2.59	4.44	−18.52	0.99	0.73	1.26	1.15	0.82	+ 3	−27	−26	+25	−30	+ 6	−30	+ 1	+17	+ 2	0	1.09
91450	18 39 04.74	+72 57 34.0	7.35	1 H	279.769 747 78	+72.959 437 73	4.07	−0.58	15.56	0.52	0.50	0.55	0.57	0.59	+ 7	−13	+16	+ 2	− 9	−12	− 4	−21	−22	+15	0	1.56
91451	18 39 06.64	+11 01 36.9	8.37	H	279.777 648 88	+11.026 929 98	0.84	1.38	−4.83	0.90	0.69	1.11	1.10	0.89	+26	−32	−23	+ 6	+31	+ 4	+19	− 2	+32	+32	0	−1.31
91452	18 39 07.45	−01 05 58.2	8.88	H	279.781 022 21	−01.099 491 96	0.22	1.46	−10.35	1.31	0.75	1.23	1.26	1.02	−32	−29	− 7	−53	+44	+ 7	+49	−69	− 4	−42	0	−0.95
91453	18 39 09.25	+67 30 29.5	9.61	H	279.788 534 51	+67.508 192 52	11.99	−60.80	−122.08	0.87	0.90	0.98	0.79	0.99	− 7	−24	+12	−34	+10	+24	+ 2	− 3	+19	+10	1	0.43
91454	18 39 09.47	−70 48 11.4	7.13	H	279.789 466 70	−70.803 163 52	4.81	1.38	−4.70	0.38	0.53	0.72	0.44	0.52	−13	−14	− 3	+18	− 6	− 5	− 6	−26	−17	−22	0	−0.13
91455	18 39 09.68	−51 20 38.9	9.97	H	279.790 352 54	−51.344 131 10	−3.80	0.31	2.77	1.62	1.11	1.93	1.63	1.05	+25	−40	−12	+22	−45	−11	−37	−12	+ 2	+31	0	0.38
91456	18 39 11.35	−64 51 47.1	7.54	H	279.797 305 75	−64.863 096 45	3.64	2.59	−23.04	0.57	0.59	0.87	0.68	0.67	+ 4	− 4	−15	−20	+15	+ 1	+13	−18	+18	+31	0	1.91
*91457	18 39 12.55	−57 10 25.1	8.65	H	279.802 309 83	−57.173 625 83	2.20	3.47	−14.18	0.95	0.73	1.08	1.05	0.76	−16	−16	− 6	+22	−28	+ 1	−24	−10	+ 0	− 9	0	1.08
*91458	18 39 12.55	+18 04 23.1	7.94	H	279.802 300 67	+18.073 087 44	5.85	−0.26	12.22	0.56	0.56	0.89	0.70	0.71	− 8	+ 8	− 8	− 2	+ 5	+ 1	+ 8	−24	+ 9	+ 4	1	−2.32
91459	18 39 13.38	−01 57 07.5	7.13	G	279.805 750 45	−01.952 084 40	2.67	−47.78	−46.38	0.85	0.53	0.90	0.89	0.68	+21	−12	− 5	−28	− 4	+ 3	−13	−57	− 9	− 8	5	−1.16
91460	18 39 13.75	−28 10 50.3	7.86	H	279.807 281 75	−28.180 645 33	1.90	2.31	0.01	1.03	0.62	1.07	1.26	0.74	−24	−25	+28	+13	−23	−30	−19	−43	− 7	−25	2	0.49
91461	18 39 14.27	−47 54 35.3	5.84	H	279.809 462 48	−47.909 803 54	9.91	26.39	14.85	0.64	0.53	0.79	0.97	0.69	+20	− 9	+11	− 7	−12	−30	− 7	−34	−12	+28	0	2.95
91462	18 39 14.87	+20 29 51.4	7.66	H	279.811 954 40	+20.497 599 00	3.48	0.13	−8.22	0.53	0.58	0.96	0.70	0.74	+ 3	−18	−33	+18	−13	+15	−12	−18	+23	+ 4	0	−0.17
91463	18 39 16.08	−41 33 49.0	9.05	H	279.816 989 22	−41.563 621 64	6.01	2.53	−23.79	1.23	0.85	1.35	1.62	1.03	+17	−16	− 8	−15	−15	+ 5	−12	−48	− 9	+18	0	0.85
*91464	18 39 16.97	−59 07 17.6	7.15	H	279.820 710 25	−59.121 558 38	4.99	−21.49	−100.89	0.90	0.66	0.91	1.34	0.76	−16	− 9	−12	+16	− 3	−20	−10	−30	+11	−33	0	0.80
*91465	18 39 16.97	−39 54 38.3	7.66	H	279.820 710 02	−39.910 642 81	3.60	9.98	−42.71	0.88	0.61	1.02	1.15	0.69	+ 0	−25	−26	− 1	+ 8	−22	− 9	+43	+19	−35	0	0.14
91466	18 39 17.88	−34 09 58.6	6.65	H	279.824 484 12	−34.166 281 78	4.43	0.56	−15.25	0.77	0.54	0.97	1.13	0.69	−19	− 6	−34	− 8	+42	−31	+24	−60	+38	−41	0	−1.02
91467	18 39 18.80	+63 47 31.7	8.33	H	279.828 346 42	+63.792 144 00	6.64	3.88	−22.44	0.67	0.62	0.65	0.69	0.72	+10	−16	+14	+20	+23	− 7	+27	+16	− 6	+16	0	0.52
91468 H	18 39 19.16	+20 55 59.0	7.67	G	279.829 846 20	+20.933 058 07 A	2.41	−1.49	−8.00	1.10	1.16	1.48	1.37	1.45	+ 9	−17	−14	+26	− 9	+ 5	−15	−15	+13	− 7	3	0.19
91469	18 39 19.36	+59 31 40.9	6.92	H	279.830 652 41	+59.528 040 70	3.03	3.67	−1.56	0.52	0.47	0.52	0.53	0.52	+ 9	+ 7	− 3	+23	+19	+ 7	+21	+11	– 1	+17	3	−0.41
91470	18 39 19.54	−36 13 46.3	8.08	H	279.831 420 62	−36.229 532 30	7.87	12.35	−52.75	0.91	0.58	1.04	1.09	0.68	+ 1	−28	– 1	+ 1	+ 4	+ 0	− 3	−41	+ 6	−12	0	−0.61
91471	18 39 19.72	−37 42 06.5	8.43	G	279.832 158 47	−37.701 796 41	10.72	−52.79	−191.85	1.09	0.73	1.24	1.37	0.87	−17	−26	− 6	−25	+17	− 5	+13	−55	+ 4	−25	0	0.20
91472	18 39 20.99	+50 15 18.6	8.84	H	279.837 457 10	+50.255 172 09	2.81	−13.14	−7.22	0.79	0.68	0.81	0.89	0.77	+13	−31	− 8	+26	+11	+ 0	+ 8	+15	+12	+26	1	−0.23
91473	18 39 24.30	+29 31 05.8	8.42	H	279.851 236 97	+29.518 277 72	3.81	−15.21	−58.86	0.66	0.73	0.97	0.80	0.78	− 5	− 8	+ 8	+ 5	+24	−12	+23	+10	− 5	– 1	1	0.29
91474	18 39 24.53	−38 00 46.6	8.51	H	279.852 217 57	−38.012 951 09	2.67	9.31	0.85	1.06	0.66	1.25	1.26	0.79	− 3	−42	−13	− 7	+ 7	+ 7	+ 1	−40	+11	−11	0	−0.70
91475	18 39 25.12	−32 02 03.4	8.26	H	279.854 687 13	−32.034 271 16	4.22	−2.20	2.65	1.16	0.76	1.15	1.92	1.17	−44	− 6	−15	−21	+45	−22	+33	−64	+26	−60	0	−0.68
91476 H	18 39 25.50	+15 39 33.0	9.19	H	279.856 247 80	+15.659 158 87 A	13.31	17.38	−2.66	2.68	2.34	2.89	2.93	2.47	+16	−11	−13	−24	−14	+13	−16	−38	+26	+13	3	0.65
91477	18 39 26.10	−13 50 47.1	9.86	2 G	279.858 770 62	−13.846 417 81	3.58	−1.67	−7.21	1.65	1.03	1.76	1.80	1.40	− 4	−41	−18	+ 5	+ 5	+ 1	+15	−27	− 4	+12	0	−0.03
*91478	18 39 26.24	−30 18 58.4	9.74	H	279.859 332 95	−30.316 235 46	1.69	−6.86	−12.92	1.63	0.88	1.87	2.00	1.33	+ 3	−38	− 3	+14	−10	+ 4	−18	−33	+30	+ 9	0	0.36
*91479	18 39 26.24	+28 22 30.9	10.83	H	279.859 332 23	+28.375 245 09	22.24	−117.18	−141.42	1.24	1.56	2.01	1.56	1.74	+ 5	− 5	+16	+15	+21	+ 7	+18	+15	– 1	+ 7	1	0.37
91480	18 39 26.56	−12 14 51.9	7.76	H	279.860 667 84	−12.247 760 90	0.42	0.44	−7.62	0.89	0.60	1.00	0.94	0.73	+13	−30	− 7	− 7	− 7	+14	– 1	−30	−15	+13	0	−0.09
91481	18 39 28.06	−41 26 22.5	8.87	G	279.866 899 65	−41.439 580 28	4.19	4.73	−11.02	1.11	0.79	1.23	1.44	0.92	+19	−24	−12	− 4	−13	+ 3	−11	−39	− 2	+16	0	−1.29
91482	18 39 28.26	−50 13 30.9	9.16	H	279.867 737 95	−50.225 253 46	4.06	18.84	−0.48	1.20	0.85	1.59	1.20	0.86	+30	−46	−31	+24	−23	− 2	−28	− 6	+19	+22	0	0.67
91483	18 39 28.35	+45 21 51.1	8.75	G	279.868 144 17	+45.364 192 33	4.56	6.38	26.58	0.69	0.74	0.81	0.80	0.98	+ 8	− 7	−12	−17	+ 0	+ 0	– 1	– 3	– 1	+15	0	−1.73
91484 H	18 39 28.86	−45 45 00.5	7.60	H	279.870 248 85	−45.750 134 59 A	0.40	4.61	−15.75	1.57	1.21	1.64	1.82	1.22	+16	−14	+ 2	−21	− 9	+11	−13	−42	+ 1	+ 7	1	0.98
91485	18 39 28.97	+35 56 03.8	9.06	H	279.870 695 80	+35.934 391 46	2.31	−1.24	−4.11	0.67	0.81	0.90	0.77	1.11	+14	− 3	−15	+ 4	+ 2	−10	– 1	+16	+ 2	+18	0	−0.88
91486	18 39 29.18	−18 40 20.9	9.06	H	279.871 565 35	−18.672 469 83	6.03	7.28	−16.71	1.43	0.88	1.50	1.72	1.12	−26	−22	− 9	−22	+33	−31	+28	−49	+ 9	−40	0	1.31
91487	18 39 30.23	−21 57 56.0	7.90	G	279.875 978 91	−21.965 542 37	0.86	0.42	−4.17	1.09	0.61	1.13	1.27	0.92	+ 9	−48	−11	+22	− 9	+ 5	−14	−14	+13	+ 5	0	0.25
91488	18 39 30.31	−32 59 41.1	7.86	H	279.876 293 39	−32.994 741 61	4.69	−10.39	−17.63	1.06	0.68	1.04	1.41	0.92	−50	−17	−16	−42	+62	−10	+54	−73	+27	−53	0	−0.92
91489	18 39 32.17	+30 09 56.3	10.85	H	279.884 044 96	+30.165 627 79	37.46	−92.64	−170.88	1.16	1.47	1.72	1.36	1.57	− 6	−13	+ 8	+17	+21	− 7	+20	+11	+ 1	+ 7	1	−1.47
91490	18 39 32.93	+37 31 01.6	7.99	H	279.887 214 23	+37.517 122 51	1.95	3.98	−4.08	0.60	0.77	0.86	0.69	1.23	+ 2	−20	− 5	+17	− 5	−26	−11	+37	+28	+16	0	1.04
91491 H	18 39 33.03	+40 56 06.2	6.25	G	279.887 606 28	+40.935 062 38 *	4.04	14.79	−1.26	0.44	0.52	0.57	0.50	0.69	− 1	−10	−10	+ 3	+ 5	−14	+ 9	+24	−20	−10	0	1.62
91492	18 39 34.17	+26 35 14.7	8.23	H	279.892 374 06	+26.587 418 93	3.63	−15.90	−10.18	0.53	0.72	0.99	0.65	0.77	+ 5	+ 7	− 5	+12	+29	− 7	+26	+14	+23	+11	0	0.64
91493	18 39 34.50	+18 35 27.1	9.14	H	279.893 754 17	+18.590 866 23	1.60	0.96	1.17	0.62	0.69	1.25	0.77	0.84	+ 3	− 6	−17	+35	−20	+ 4	−15	−11	+ 9	+14	1	−0.32
91494	18 39 35.18	−43 11 08.8	5.42	1 H	279.896 603 39	−43.185 775 61	3.99	−31.47	−42.22	0.62	0.44	0.73	0.78	0.55	+ 3	−22	−21	+ 4	+21	− 3	+14	−24	+23	– 1	0	−0.17
91495	18 39 35.25	−07 17 08.2	9.66	2 H	279.896 876 95	−07.285 604 56	3.73	−11.21	−29.51	1.88	1.26	2.03	1.72	1.39	+26	−45	−27	−29	−14	+10	−16	−48	+ 5	+ 3	4	2.43
91496	18 39 35.40	+25 52 56.9	8.77	H	279.897 486 81	+25.882 484 32	4.11	13.68	−5.68	0.59	0.84	1.10	0.77	0.97	+ 8	− 3	− 3	+11	+20	− 2	+17	+ 7	+19	+16	0	0.55
91497	18 39 36.10	+33 53 13.7	8.77	H	279.900 416 85	+33.887 138 15	1.41	−1.48	−5.45	0.62	0.68	0.83	0.70	0.79	+11	− 8	+ 0	+25	+ 6	−14	+ 7	+27	− 8	+11	3	−0.52
91498	18 39 36.46	+83 39 03.7	9.05	H	279.901 915 66	+83.651 036 79	3.06	−10.03	−5.73	0.71	0.77	0.82	0.78	0.95	+20	−22	− 7	+13	+ 3	+19	+ 5	− 6	−

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data										Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
91401	8.170	0.007	7.816	0.007		0.356	0.007	G	0.42	0.01	H	7.8672	0.0012	0.014	174		7.84	7.89					1							S
91402	9.461	0.029	7.468	0.012		1.656	0.037	G	1.67	0.03	C	7.4113	0.0022	0.013	48		7.39	7.43					1							S
91403	9.457	0.024	8.879	0.022		0.540	0.029	T	0.61	0.03	L	8.9293	0.0026	0.018	53		8.91	8.96					1							
91404	10.880	0.055	9.678	0.031		0.998	0.005	G	0.62	0.12	S	9.6801	0.0031	0.032	93		9.64	9.73		R			1							
91405	5.750	0.004	5.775	0.005		−0.018	0.006	T	0.00	0.01	L	5.7836	0.0009	0.006	46		5.77	5.79		C			1							S
91406	8.377	0.011	6.693	0.006		1.407	0.010	T	1.39	0.01	L	6.6832	0.0012	0.008	72		6.66	6.69					1							S
91407	8.165	0.012	7.678	0.011		0.464	0.019	G	0.53	0.02	H	7.7327	0.0015	0.012	102		7.71	7.75		C			1							S
91408	6.796	0.004	6.776	0.006		0.023	0.007	T	0.04	0.01	L	6.7915	0.0010	0.009	105		6.78	6.81			18386+1505	I 1	1							S
91409	9.692	0.024	8.948	0.020		0.666	0.024	T	0.73	0.02	L	9.0244	0.0015	0.013	79		9.00	9.05		C			1							
91410	10.172	0.028	9.415	0.023		0.646	0.005	G	0.71	0.00	H	9.4532	0.0024	0.023	111		9.41	9.49		C			1 S							
91411	8.170	0.009	7.870	0.011		0.309	0.015	G	0.35	0.02	H	7.8997	0.0013	0.009	81		7.88	7.92		C			1							S
91412	10.406	0.035	9.228	0.022		1.010	0.032	T	0.99	0.03	L	9.2651	0.0020	0.021	87		9.23	9.30		C			1							
91413	8.471	0.012	7.796	0.008	*	0.612	0.018	G	0.68	0.02	H	* 7.8586	0.0016	0.013	102	*	7.84	7.88		D	18386+1632	I 1	2 C	A	AB	56	0.301	0.005	0.65	0.08	S
91414	8.340	0.015	7.812	0.012		0.495	0.017	T	0.57	0.02	L	7.8607	0.0015	0.009	56		7.85	7.88					1							S
91415	9.001	0.019	8.552	0.019		0.424	0.025	T	0.49	0.03	L	8.5845	0.0013	0.011	59		8.55	8.61		D			1 G							
91416	10.742	0.051	9.952	0.039	A	0.645	0.126	G	0.71	0.11	R	* 10.0282	0.0050	0.033	75	*	9.97	10.07			18387−4922	H 1	2 C	D	AB	176	1.356	0.062	3.00	0.36	G D
91417	9.400	0.015	7.512	0.007		1.602	0.014	T	2.31	0.04	O	7.3383	0.0021	0.024	137		7.30	7.38		U 2			1							S
91418	8.126	0.011	6.805	0.008	A	1.090	0.015	G	1.05	0.02	K	* 6.7837	0.0011	0.008	96	*	6.77	6.80		D	18387+0451	I 1	2 C	A	AB	283	1.657	0.008	2.26	0.03	S
91419											T	12.0385	0.0071	0.056	95		11.93	12.12					1	S							D
91420											T	11.7157	0.0075	0.053	78		11.62	11.84					1 X								D
91421	8.584	0.009	8.162	0.009		0.412	0.015	G	0.48	0.02	H	8.2179	0.0013	0.017	185		8.19	8.25			18387+2439	I 1	1 G							S
91422	11.526	0.071	9.266	0.017		1.908	0.060	T	1.81	0.21	K	8.9979	0.0098	0.087	139		8.89	9.14		U 2 C			1	S							
91423	8.498	0.010	8.439	0.012		0.059	0.015	T	0.07	0.01	L	8.4606	0.0012	0.013	117		8.44	8.48		C			1							
91424	7.329	0.006	6.905	0.005		0.401	0.007	T	0.47	0.01	L	6.9365	0.0007	0.007	99		6.93	6.95		C			1							S
91425	9.607	0.011	7.687	0.005		1.594	0.010	T	1.61	0.01	L	7.6087	0.0012	0.014	272		7.58	7.63					1							S
91426	11.355	0.069	9.677	0.025		1.402	0.058	T	1.38	0.07	L	9.6690	0.0023	0.022	109		9.63	9.72		C			1 G							
91427	11.278	0.075	10.601	0.066		0.615	0.075	T	0.68	0.07	L	10.7964	0.0039	0.032	96		10.75	10.85		C			1							G
91428	10.137	0.041	9.698	0.043		0.414	0.055	T	0.48	0.06	L	9.7858	0.0032	0.023	63		9.74	9.82		C			1							G
91429	9.340	0.018	8.912	0.018		0.404	0.023	T	0.47	0.03	L	8.9477	0.0016	0.013	89		8.92	8.97					1							
91430						1.556	0.020	G	2.46	0.08	I	* 11.2143	0.0038	0.048	44	*	11.12	11.30			18387−1429	H 1	2 C S	D	AB	358	0.107	0.030	0.04	2.19	G D
91431	8.798	0.015	8.435	0.016		0.344	0.020	T	0.40	0.03	L	8.4629	0.0013	0.010	67		8.44	8.48		C			1							
91432	9.505	0.020	9.097	0.022		0.399	0.025	T	0.46	0.03	L	9.1406	0.0022	0.016	88		9.11	9.16					1							
91433	9.753	0.018	9.156	0.017	*	0.557	0.022	T	0.63	0.02	L	* 9.2086	0.0018	0.018	118	*	9.18	9.24		D	18388−6323	H 1	2 C	A	AB	132	0.244	0.006	0.60	0.12	
91434	8.821	0.010	8.177	0.009		0.580	0.006	G	0.65	0.01	H	8.2386	0.0014	0.015	150		8.21	8.27		C			1							S
91435	9.266	0.014	8.692	0.013		0.599	0.015	G	0.67	0.01	H	8.7532	0.0018	0.023	152		8.72	8.80					1 G							
91436	7.322	0.008	6.891	0.009	*	0.432	0.015	G	0.50	0.02	H	* 7.0105	0.0014	0.008	99	*	7.00	7.02		D	18389+5221	I 1	2 C	A	AB	322	1.909	0.002	0.29	0.01	S
91437	10.411	0.045	9.149	0.024		1.128	0.019	G	1.09	0.02	I	9.1951	0.0030	0.018	85		9.17	9.22		C			1							D
91438	6.676	0.008	5.933	0.005		0.673	0.002	G	0.73	0.02	A	5.9841	0.0009	0.006	49		5.97	6.00		C			1							S
91439	8.358	0.007	7.864	0.007		0.491	0.015	G	0.56	0.02	H	7.9097	0.0011	0.014	171		7.89	7.94		C			1							S
91440	7.474	0.007	7.164	0.008		0.284	0.015	G	0.32	0.02	H	7.2168	0.0013	0.010	97		7.20	7.23		C			1							S
91441	10.295	0.046	8.946	0.025		1.143	0.041	T	1.11	0.04	L	8.9498	0.0013	0.011	53		8.93	8.98		D			1							
91442	9.339	0.018	8.325	0.013		0.885	0.017	T	0.89	0.01	L	8.3749	0.0018	0.013	77		8.35	8.39		C			1							
91443											T	11.9689	0.0099	0.085	64		11.69	12.09		U			1 X	S							D
91444	9.155	0.012	7.283	0.005		1.556	0.010	T	1.57	0.01	L	7.2432	0.0013	0.011	135		7.23	7.26					1							S
91445	9.174	0.016	7.769	0.009		1.187	0.014	T	1.15	0.01	L	7.8139	0.0010	0.011	98		7.79	7.83		C			1							S
91446	7.496	0.007	6.789	0.008		0.647	0.023	G	0.73	0.03	C	6.8487	0.0013	0.007	49		6.84	6.86					1							S
91447	9.558	0.023	9.262	0.026		0.281	0.033	T	0.32	0.04	L	9.3054	0.0023	0.018	68		9.27	9.32		C			1							
91448	9.999	0.039	7.700	0.013		1.940	0.034	T	2.95	0.05	O	7.3984	0.0063	0.026	51		7.35	7.43		U 2			1	S							
91449	10.227	0.031	8.934	0.018		1.100	0.028	T	1.06	0.03	L	9.0042	0.0020	0.017	88		8.97	9.03					1							
91450	8.691	0.013	7.470	0.008		1.043	0.012	T	1.01	0.01	L	7.5095	0.0018	0.016	100		7.48	7.53		M			1							
91451	8.578	0.011	8.395	0.012		0.175	0.015	T	0.19	0.02	L	8.4329	0.0025	0.017	82		8.41	8.46					1							
91452	8.916	0.012	8.898	0.016		0.021	0.018	T	0.04	0.01	L	8.9000	0.0017	0.014	87		8.87	8.92		C			1							
91453	10.514	0.040	9.664	0.030		0.747	0.038	T	0.79	0.03	L	9.7467	0.0028	0.023	102		9.71	9.79		C			1							
91454	8.750	0.008	7.265	0.004		1.250	0.007	T	1.21	0.01	L	7.2929	0.0010	0.012	242		7.27	7.31					1							S
91455	11.716	0.102	10.136	0.040		1.325	0.086	T	1.29	0.10	L	10.1259	0.0031	0.031	105		10.08	10.17					1							G
91456	9.216	0.013	7.685	0.007		1.286	0.012	T	1.25	0.01	L	7.6955	0.0015	0.013	155		7.67	7.71					1							S
91457	9.923	0.031	8.713	0.019		1.035	0.028	T	1.01	0.02	L	8.8119	0.0018	0.016	74		8.79	8.84					1							
91458	9.520	0.016	8.079	0.009		1.216	0.014	T	1.18	0.01	L	8.1049	0.0012	0.015	146		8.08	8.13					1							
91459	8.955	0.012	7.291	0.006		1.417	0.006	G	1.40	0.01	H	7.2662	0.0013	0.009	93		7.25	7.28					1							S
91460	7.972	0.007	7.871	0.009		0.098	0.011	T	0.11	0.01	L	7.8991	0.0013	0.009	86		7.89	7.91		C			1							S
91461	6.126	0.004	5.877	0.004		0.233	0.006	T	0.26	0.01	L	5.9134	0.0014	0.011	63		5.90	5.93					1							S
91462	7.629	0.006	7.656	0.008		−0.020	0.009	T	0.00	0.01	L	7.6618	0.0008	0.010	120		7.64	7.68					1							S
91463	9.515	0.022	9.068	0.023		0.435	0.025	T	0.50	0.03	L	9.1527	0.0021	0.016	76		9.12	9.18		C			1							
91464	8.498	0.013	7.254	0.009		1.061	0.012	T	1.03	0.01	L	7.3158	0.0014	0.012	63		7.30	7.34					1							S
91465	9.131	0.016	7.787	0.010		1.140	0.015	T	1.10	0.02	L	7.8309	0.0020	0.014	81		7.81	7.85					1							
91466	6.659	0.005	6.654	0.005		0.006	0.006	T	0.03	0.01	L	6.6623	0.0007	0.006	108		6.65	6.68					1							S
91467	8.561	0.010	8.340	0.011		0.211	0.014	T	0.23	0.02	L	8.3955	0.0014	0.013	108		8.36	8.42			18394+6348	I 1	1							S
91468	7.570	0.008	7.574	0.009	*	−0.020	0.015	G	0.00	0.01	H	* 7.6688	0.0017	0.014	104	*	7.64	7.69		D	18393+2056	I 1	2 C	A	AB	359	2.466	0.006	1.23	0.02	S
91469	8.789	0.012	7.073	0.006		1.432	0.011	T	1.42	0.02	L	7.0597	0.0010	0.010	112		7.04	7.07					1							S
91470	8.656	0.011	8.128	0.011		0.495	0.014	T	0.57	0.01	L	8.1911	0.0013	0.012	97		8.17	8.21		C			1							S
91471	9.555	0.018	8.522	0.013		0.892	0.003	G	0.90	0.00	H	8.5800	0.0015	0.014	93		8.56	8.60					1	S						
91472	10.352	0.031	8.945	0.017		1.189	0.028	T	1.15	0.03	L	9.0039	0.0017	0.014	106		8.98	9.03		C			1							
91473	9.996	0.021	8.566	0.012		1.207	0.019	T	1.17	0.02	L	8.5822	0.0018	0.016	139		8.56	8.61		C			1							
91474	9.729	0.022	8.617	0.014		0.958	0.020	T	0.95	0.01	L	8.6720	0.0015	0.013	92		8.64	8.69		C			1							
91475	9.589	0.021	8.388	0.014		1.028	0.020	T	1.00	0.02	L	8.4236	0.0019	0.012	98		8.40	8.44					1							
91476	9.992	0.036	9.156	0.027	*	0.752	0.034	T	0.80	0.02	L	* 9.3325	0.0045	0.037	96	*	9.27	9.40		R	18394+1540	I 1	2 C	A	AB	59	3.228	0.009	1.05	0.04	
91477	10.857	0.071	10.084	0.058		0.897	0.011	G	0.90	0.01	H	9.9751	0.0131	0.067	54		9.87	10.10		U 2			1							G
91478	10.314	0.036	9.985	0.047		0.312	0.055	T	0.36	0.07	L	9.8713	0.0033	0.027	95		9.83	9.91		C			1							G
91479	12.149	0.157	10.964	0.084		1.254	0.020	G	1.42	0.03	I	10.9443	0.0036	0.044	143		10.87	11.02					1							G
91480	8.442	0.014	7.846	0.014		0.556	0.017	T	0.63	0.02	L	7.8845	0.0010	0.009	60		7.86	7.90		C			1							S
91481	8.849	0.015	8.850	0.019		−0.019	0.002	G	0.00	0.00	H	8.8832	0.0018	0.018	79		8.85	8.92		C			1							
91482	9.691	0.021	9.219	0.021		0.457	0.023	T	0.53	0.02	L	9.2596	0.0027	0.021	90		9.23	9.29					1							
91483	9.047	0.012	8.791	0.014		0.255	0.005	G	0.29	0.01	H	8.8201	0.0021	0.016	103		8.80	8.86					1							
91484	9.225	0.020	7.765	0.011	A	0.700	0.495	G	1.20	0.05	L	* 7.7587	0.0014	0.012	84	*	7.74	7.78		D	18395−4545	I 1	2 C	B	AB	312	4.642	0.056	3.65	0.24	
91485	10.288	0.031	9.146	0.019		0.982	0.028	T	0.96	0.02	L	9.2240	0.0025	0.023	134		9.18	9.25					1							
91486	10.775	0.071	9.301	0.035		1.241	0.062	T	1.20	0.06	L	9.2287	0.0036	0.017	40		9.20	9.27		C			1	S						
91487	8.097	0.017	7.961	0.023		0.188	0.002	G	0.21	0.00	H	7.9732	0.0029	0.014	42		7.95	8.01					1							S
91488	8.008	0.008	7.873	0.008		0.122	0.011	T	0.14	0.01	L	7.9050	0.0012	0.011	123		7.89	7.92		C			1							S
91489						0.678	0.400	G	1.57	0.19	S	10.9711	0.0051	0.048	140		10.89	11.04		R			1	S						G
91490	10.112	0.029	8.186	0.011		1.599	0.025	T	1.62	0.03	L	8.1065	0.0018	0.017	113		8.08	8.14					1							
91491	6.165	0.003	6.228	0.004	*	−0.052	0.008	G	−0.03	0.01	H	* 6.2260	0.0007	0.006	114	*	6.21	6.24		D	18396+4056	M 1	2 C S	A	AB	118	0.171	0.010	1.52	0.21	S
91492	8.696	0.009	8.273	0.009		0.400	0.001	G	0.47	0.00	H	8.3224	0.0012	0.017	163		8.30	8.35		C			1							
91493	9.194	0.013	9.127	0.016		0.067	0.019	T	0.08	0.02	L	9.1634	0.0020	0.017	146		9.13	9.19					1							
91494	7.552	0.007	5.623	0.005		1.654	0.005	G	2.12	0.05	F	5.4878	0.0022	0.021	77		5.45	5.51	5.28	P 1 A			1	S						S
91495	11.345	0.097	9.849	0.043		1.259	0.083	T	1.22	0.09	L	9.8298	0.0084	0.064	60		9.68	9.89		U 2			1	S						G
91496	8.950	0.012	8.791	0.014		0.150	0.015	G	0.17	0.01	H	8.8227	0.0018	0.020	156		8.79	8.85					1							
91497	8.791	0.011	8.749	0.013		0.043	0.016	T	0.06	0.01	L	8.7857	0.0012	0.016	123		8.76	8.81		C			1							
91498	10.278	0.029	9.159	0.019		0.964	0.027	T	0.95	0.02	L	9.2134	0.0019	0.017	113		9.18	9.25		C			1							
91499	7.327	0.007	6.462	0.005		0.800	0.033	G	0.85	0.02	A	6.5064	0.0007	0.006	91		6.50	6.52					1							S
91500	9.555	0.020	8.355	0.013		1.027	0.019	T	1.00	0.02	L	8.3937	0.0019	0.015	68		8.36	8.42		C			1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	π	$\mu_{\alpha*}$	$\mu_{\alpha*}$	$\mu_{\alpha*}$	μ_δ	μ_δ	μ_δ	μ_δ	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr		$\alpha*$	$\alpha*$	δ	$\alpha*$	δ	π	$\alpha*$	δ	π	$\mu_{\alpha*}$	%	
1 2	3	4	5 6 7		8	9 10		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
91501	18 39 37.78	+26 11 20.3	8.92 G		279.907 434 80	+26.188 968 82		8.11	−35.87	0.61	0.68	0.85	1.22	0.82	0.96	+ 3	− 3	− 9	+22	+19	− 1	+16	− 2	+25	+ 4	0	−1.16
91502	18 39 39.65	−07 21 15.2	9.35 G		279.915 227 96	−07.354 230 13		1.72	0.71	−3.44	1.39	0.99	1.51	1.37	1.11	+13	−29	−10	−16	− 5	− 6	− 6	−39	− 9	− 4	2	0.49
91503	18 39 39.69	+08 43 58.2	7.01 H		279.915 354 71	+08.732 837 00		4.30	−8.39	−10.05	0.81	0.56	0.92	0.87	0.69	− 3	− 8	−33	−38	+26	−11	+24	−35	+33	−15	0	−0.16
91504	18 39 39.96	−35 17 30.0	8.34 H		279.916 489 98	−35.291 679 32		4.09	−0.37	11.98	1.03	0.65	1.20	1.32	0.80	− 4	−24	− 3	− 7	+13	− 2	+ 8	−52	+ 5	−11	0	0.62
91505	18 39 40.39	+00 08 52.0	8.16 G		279.918 293 62	+00.147 767 58		3.50	0.13	−19.98	0.93	0.61	1.11	0.97	0.76	+ 0	−26	−21	−18	+12	+17	+12	−41	+ 2	−22	0	−0.38
91506	18 39 41.02	−35 58 21.1	8.99 H		279.920 936 93	−35.972 521 37		3.77	7.56	−12.50	1.24	0.80	1.45	1.48	0.93	+11	−27	+22	+ 7	− 5	− 3	− 4	−47	−18	+ 9	0	−0.48
91507	18 39 42.13	+37 59 34.7	7.50 H		279.925 561 20	+37.992 966 38		21.08	−26.00	51.43	0.53	0.62	0.69	0.61	0.93	+ 0	−18	−13	+25	− 5	−11	− 9	+34	+20	−10	0	2.46
91508	18 39 42.59	−47 03 44.1	8.36 H		279.927 473 39	−47.062 261 08		2.29	−8.87	−8.33	1.21	0.82	1.36	1.36	1.05	+10	−35	+ 8	−27	−15	+10	−13	−48	− 1	+20	0	−1.17
91509	18 39 44.23	+65 56 18.3	9.30 H		279.934 296 48	+65.938 421 80		2.37	19.14	−4.45	0.79	0.75	0.80	0.94	0.84	− 9	−12	− 3	−14	+ 8	− 4	+ 4	+ 1	+ 9	+ 3	0	−1.55
91510	18 39 44.48	+23 50 50.4	8.85 H		279.935 326 54	+23.847 345 46		1.94	−1.58	−6.79	0.56	0.80	1.17	0.72	0.98	+ 3	−11	−13	+17	+20	+ 0	+20	+14	−10	− 6	1	1.19
91511	18 39 47.72	−65 53 21.6	8.36 H		279.948 842 77	−65.889 336 62		1.63	3.63	4.36	0.57	0.74	1.07	0.72	0.87	+20	−12	−30	−14	+ 6	− 6	− 1	+ 5	+12	+32	0	2.03
91512	18 39 47.82	−58 52 09.1	6.75 H		279.949 233 07	−58.869 207 74		3.89	−24.81	4.18	0.82	0.56	0.83	0.93	0.59	−18	−20	−11	+47	−25	− 2	−20	+ 3	+ 1	−13	2	0.05
91513	18 39 48.18	+05 36 14.9	9.63 H		279.950 737 14	+05.604 149 41		6.00	0.55	−3.82	1.24	0.90	1.65	1.37	1.18	+30	−28	−26	−27	+ 1	+39	+13	−24	+13	+13	0	−1.08
91514	18 39 48.25	−29 20 21.4	9.94 G		279.951 046 28	−29.339 266 59		−1.18	7.35	1.06	1.66	0.93	1.83	2.24	1.42	−13	−38	− 2	+ 8	− 8	−28	−20	−54	+30	−21	4	0.82
91515	18 39 48.48	−25 30 02.5	8.82 H		279.951 984 79	−25.500 705 10		4.17	1.03	−5.16	1.27	0.62	1.26	1.85	0.99	−11	− 1	−19	+47	−12	+18	−18	−24	+23	−20	0	−0.96
91516	18 39 48.67	−59 18 06.0	7.52 2 H		279.952 776 46	−59.301 671 50		2.26	3.98	−3.11	0.90	0.79	1.08	1.28	0.89	+10	− 6	−17	−15	−17	−23	−21	−39	+ 4	− 5	3	−1.59
91517	18 39 48.73	−54 42 01.1	8.98 H		279.953 048 79	−54.700 307 47		3.66	−3.00	−6.90	1.01	0.82	1.32	1.18	0.98	+ 8	−26	+ 4	+21	−16	+12	−19	+ 5	+24	+21	0	−1.05
91518	18 39 49.39	+15 05 21.4	7.47 H		279.955 781 53	+15.089 283 99		7.73	12.82	24.68	0.72	0.59	0.97	0.82	0.71	+ 2	−35	+ 1	−37	−19	+12	−24	−49	+20	+ 7	0	−1.28
91519	18 39 49.40	−42 15 36.4	8.72 H		279.955 813 89	−42.260 105 95		4.59	9.14	−19.12	1.06	0.72	1.20	1.34	0.84	−15	+ 0	−28	+16	+14	+16	+21	−28	+22	− 4	0	0.45
91520	18 39 49.78	+25 00 31.3	8.47 H		279.957 422 58	+25.008 692 71		2.90	16.80	−0.40	0.55	0.79	1.04	0.62	0.94	+ 8	−11	− 8	+19	+12	− 1	+11	+ 6	− 2	+ 0	0	0.46
91521	18 39 50.07	−01 17 20.7	8.37 G		279.958 619 88	−01.289 084 62		3.58	4.97	1.58	1.13	0.66	1.06	1.14	0.87	−21	− 5	− 8	−51	+34	− 9	+37	−66	+ 3	−33	0	−0.45
91522	18 39 50.94	+20 04 28.9	8.40 H		279.962 261 70	+20.074 687 19		1.86	−0.49	−4.48	0.55	0.62	1.03	0.69	0.77	+ 4	− 9	−29	+12	−13	+26	− 5	−11	+15	+12	0	−0.28
91523	18 39 51.60	+07 21 31.4	6.26 H		279.964 993 61	+07.358 709 67		6.68	−2.13	−45.82	0.72	0.49	0.86	0.73	0.61	+ 0	−35	−21	−19	+15	+12	+15	−19	+11	−17	0	−0.58
91524 H	18 39 52.28	−25 30 16.5	7.90 H		279.967 813 00	−25.504 592 57	A	1.09	3.65	−11.89	2.44	1.37	2.33	3.17	1.97	+12	−15	−19	+43	− 1	−20	−30	−20	+34	−31	2	0.89
91525	18 39 52.81	+52 11 45.7	6.00 H		279.970 038 69	+52.196 023 52		5.79	5.44	21.39	0.47	0.47	0.51	0.55	0.60	− 1	− 9	+ 1	+ 3	+ 9	− 1	+10	+ 3	− 9	+12	1	1.95
91526 H	18 39 53.58	+58 14 55.6	8.03 G		279.973 240 44	+58.248 776 66	A	2.03	3.63	22.12	0.85	0.82	0.80	0.89	0.85	− 3	− 5	+ 0	+21	+26	−10	+32	− 8	−13	+17	1	0.50
91527	18 39 53.68	−20 04 16.3	6.67 H		279.973 659 23	−20.071 201 59		12.36	36.86	−35.80	1.10	0.60	1.04	1.08	0.71	+ 6	−56	− 5	+29	+ 5	+ 8	+ 5	+ 1	+ 0	+ 6	0	−1.44
91528	18 39 55.45	+53 19 33.0	8.55 H		279.981 051 18	+53.325 837 20		3.27	−5.74	11.28	0.71	0.61	0.71	0.75	0.68	+ 4	− 7	− 8	−19	+ 7	− 9	+ 3	− 7	+12	+17	0	1.19
91529 H	18 39 56.26	+51 05 34.7	8.77 2 G		279.984 421 66	+51.092 966 44	A	8.23	−2.71	−69.78	1.72	1.87	1.75	1.91	1.94	+ 7	−10	+ 6	+ 6	+14	+ 3	+14	− 2	− 4	+11	0	−0.64
91530	18 39 56.49	−11 06 25.2	7.31 H		279.985 393 75	−11.107 002 80		12.62	−59.82	−78.52	0.93	0.57	0.99	1.01	0.72	−15	−25	−12	− 2	+17	+14	+23	−21	− 3	−13	2	0.84
91531	18 39 59.98	+14 09 29.3	8.27 G		279.999 904 79	+14.158 150 76		2.56	0.94	−7.07	0.83	0.62	1.10	1.02	0.84	− 6	−14	−17	−32	− 5	+ 8	− 9	−48	+32	− 7	2	1.60
91532	18 40 00.40	−07 47 26.5	5.82 H		280.001 667 83	−07.790 707 88		6.19	−21.13	−37.30	0.74	0.50	0.83	0.63	0.50	+ 3	−44	−14	−14	+ 1	− 2	+ 0	−32	− 2	−14	0	0.16
91533	18 40 01.93	+30 50 57.8	6.43 H		280.008 057 44	+30.849 387 58		5.62	−13.18	34.23	0.41	0.48	0.61	0.47	0.53	− 6	−10	+ 3	+27	+ 9	−20	+10	+20	− 3	− 1	0	0.16
91534	18 40 03.13	−64 43 32.4	7.59 H		280.013 046 92	−64.725 653 78		6.54	8.07	−35.31	0.57	0.64	1.00	0.75	0.72	+11	−18	−33	−24	− 5	+23	+ 1	−12	+21	+27	3	2.77
91535	18 40 04.06	+01 17 28.0	7.99 G		280.016 919 23	+01.291 104 34		7.53	−46.78	−14.08	0.83	0.53	0.94	0.92	0.69	+40	−21	−16	−39	− 5	− 7	− 4	−44	+ 4	+15	0	0.29
91536	18 40 04.28	+07 45 46.5	7.76 H		280.017 825 46	+07.762 917 27		2.05	−0.70	−4.14	0.82	0.57	0.97	0.91	0.76	+23	−26	−13	−12	+14	+11	+11	−22	+17	+ 2	0	0.09
91537	18 40 04.72	+03 21 45.7	10.21 H		280.019 666 97	+03.362 683 29	B	−3.39	−31.83	24.79	42.58	31.39	9.95	55.89	41.59	+36	−31	−25	−19	+ 3	− 5	− 1	−31	+14	+24	0	0.30
91538	18 40 05.03	+03 21 24.1	8.74 H		280.020 953 40	+03.356 685 31	A	3.17	7.14	−5.09	3.07	2.23	2.74	2.92	2.48	+37	−31	−30	−30	− 5	+ 0	− 8	−43	+22	+34	0	0.30
91539 H	18 40 05.13	+24 42 12.2	7.86 H		280.021 375 61	+24.703 401 36	A	6.36	−0.71	14.45	0.94	1.32	1.62	1.07	1.59	+10	−12	−15	+16	+10	−11	+10	+11	−17	− 7	1	2.95
91540	18 40 05.67	−37 30 18.7	8.43 H		280.023 619 22	−37.505 188 75		7.88	−0.52	−10.55	1.11	0.76	1.24	1.53	0.94	−28	−13	−22	−35	+33	−19	+24	−62	+20	−44	0	1.17
91541	18 40 05.98	+43 05 03.9	8.20 H		280.024 908 95	+43.084 408 51		2.96	4.98	9.24	0.58	0.66	0.71	0.60	0.79	+12	− 4	−21	+ 1	− 4	− 2	− 5	−11	+ 4	+19	0	0.22
91542	18 40 06.00	+16 30 14.5	8.93 H		280.024 987 29	+16.504 030 90		−0.08	−1.06	−5.46	1.07	0.93	1.43	1.24	1.15	−11	−11	−21	−37	− 4	+27	+ 1	−50	+29	+13	0	0.41
91543	18 40 06.38	+27 06 09.4	8.99 H		280.026 569 77	+27.102 600 65		1.91	−9.76	4.49	0.69	0.94	1.16	0.81	0.95	+13	+10	+ 8	+ 2	+35	+ 7	+30	+20	+12	+23	0	−0.20
91544	18 40 08.55	−51 39 08.1	7.84 H		280.035 623 30	−51.652 256 37		2.04	−4.71	−17.30	0.90	0.65	1.07	0.98	0.67	+17	−21	+ 5	+17	−49	− 9	−41	−16	− 3	+33	2	1.40
*91545	18 40 08.83	+16 33 28.8	8.32 H		280.036 781 67	+16.558 006 20		8.77	10.70	34.17	0.92	0.80	1.29	1.05	0.93	−15	−19	−27	−47	+ 1	+33	+ 4	−52	+34	+11	0	−1.46
*91546	18 40 08.78	−31 15 01.2	9.04 H		280.036 579 50	−31.250 320 81		7.65	−4.52	−57.14	1.32	0.79	1.40	1.73	1.18	+ 0	−29	− 1	+ 1	−20	− 5	−23	−47	+16	+ 2	2	1.09
91547	18 40 09.89	+21 05 52.9	10.39 H		280.041 227 06	+21.098 024 64		3.01	0.97	−11.82	1.24	1.28	1.98	1.71	1.67	− 2	−14	−11	+49	−16	+ 1	−18	−12	+ 9	− 6	0	0.53
91548	18 40 10.67	−41 56 07.3	8.26 G		280.044 453 31	−41.935 356 78		1.58	−1.29	−1.75	0.92	0.61	1.04	1.21	0.76	− 2	− 8	−14	+11	+10	+17	+12	−26	+10	+ 3	0	−0.55
91549	18 40 10.67	−76 53 42.5	9.12 H		280.044 456 27	−76.895 127 45		2.57	8.62	−2.13	0.82	0.80	1.09	0.97	0.85	+ 4	−32	−16	+23	− 3	− 3	− 6	− 8	+ 2	−10	0	1.31
91550	18 40 11.01	−22 39 49.8	8.70 2 H		280.045 869 12	−22.663 823 70		0.57	−1.64	−2.65	1.32	0.73	1.42	1.39	0.97	+15	−57	−30	+22	− 6	− 7	−22	−15	+17	−20	0	−0.35
91551	18 40 11.60	−40 58 19.4	8.80 H		280.048 350 49	−40.972 068 82		2.01	−2.78	8.01	1.15	0.78	1.32	1.48	0.97	+13	−35	−19	− 6	− 6	+11	−11	−35	+18	+ 4	0	0.66
91552 H	18 40 12.19	+38 22 01.8	6.45 G		280.050 773 02	+38.367 178 56	*	6.51	19.27	6.81	0.50	0.54	0.63	0.63	0.79	+ 6	−18	−23	+15	− 2	+ 4	− 3	+27	+11	+ 0	1	−0.50
91553	18 40 16.03	−62 07 46.6	8.63 G		280.066 794 22	−62.129 623 27		1.88	8.41	−13.08	0.82	0.76	1.20	1.21	0.82	−17	−15	−15	+ 7	− 3	−25	− 6	− 3	+ 7	− 9	0	−0.10
91554 H	18 40 16.21	+34 25 01.6	7.53 H		280.067 537 05	+34.417 111 45	A	3.86	2.08	−1.72	0.90	1.02	1.10	0.96	1.09	+ 0	−18	−12	+ 4	+17	−14	+15	+12	+ 3	− 8	5	0.26
91555	18 40 17.13	+09 41 45.0	8.98 G		280.071 369 33	+09.695 827 31		11.96	2.39	−15.89	1.05	0.76	1.19	1.34	0.98	+10	−23	− 5	+14	+20	− 5	+16	−11	+21	+19	0	−1.37
91556	18 40 17.80	−33 39 16.5	9.22 H		280.074 162 62	−33.654 593 58		3.53	30.93	−5.92	1.27	0.87	1.63	1.77	1.10	−14	+ 4	−25	−24	+38	−28	+28	−67	+32	−30	2	0.62
91557	18 40 17.92	−10 27 50.3	11.49 G		280.074 684 38	−10.463 972 14		29.70	−170.16	−525.19	11.65	8.07	13.06	12.73	9.69	− 6	−25	−16	−23	+ 9	+14	+14	−35	−16	−18	0	
91558	18 40 18.26	−35 09 32.1	7.66 H		280.076 096 09	−35.158 911 34		5.91	1.41	−13.96	0.95	0.59	1.09	1.16	0.70	− 4	−29	+ 6	+ 0	+12	+ 0	+ 9	−49	− 2	− 8	0	−0.30
91559	18 40 18.78	+12 03 15.3	7.01 H		280.078 250 49	+12.054 253 17		1.74	−6.27	−9.90	0.74	0.54	0.85	0.94	0.69	+ 7	−24	−15	+22	+28	− 3	+20	− 5	+28	+11	4	2.58
91560	18 40 19.68	+19 42 44.5	8.35 H		280.081 989 23	+19.712 362 36		2.84	−8.76	−6.29	0.58	0.63	1.00	0.74	0.81	+13	−26	−28	+22	−10	+ 5	− 9	− 6	+ 7	+13	0	1.02
91561	18 40 19.98	+18 15 50.8	8.73 H		280.083 238 91	+18.264 120 84		3.00	−2.66	−4.54	0.56	0.61	1.05	0.73	0.78	+ 1	− 2	−13	+23	−17	+ 2	−12	−22	+ 7	+11	0	−0.24
*91562	18 40 21.02	+09 41 50.6	8.48 G		280.087 588 77	+09.697 384 96		3.90	7.72	5.58	0.94	0.66	1.03	1.24	0.87	+ 0	−14	−12	+ 8	+22	− 8	+20	−14	+15	+ 8	0	1.30
*91563	18 40 21.00	+33 41 04.8	7.28 H		280.087 485 92	+33.684 670 18		19.08	29.26	−65.00	0.45	0.52	0.62	0.50	0.58	− 4	−11	+ 0	+20	+ 5	−18	+ 5	+25	− 3	+ 2	0	−1.41
*91564	18 40 20.95	−53 43 46.6	9.87 H		280.087 290 06	−53.729 610 28		6.41	−22.23	−16.56	1.19	1.00	1.57	1.35	1.20	+11	−30	−19	+20	−27	+ 9	−29	+20	+16	+22	0	−1.49
91565	18 40 21.03	−58 46 47.5	7.00 H		280.087 608 68	−58.779 870 32		2.22	−3.76	−12.17	0.75	0.58	0.85	0.91	0.66	− 9	−19	−14	+30	−17	− 2	−14	+ 5	+ 6	− 1	2	1.31
91566	18 40 21.24	−39 44 59.8	10.48 G		280.088 505 90	−39.749 933 36		1.69	4.96	−5.59	1.93	1.37	2.10	2.81	1.65	−26	−14	−30	−38	+44	−30	+28	−67	+26	−54	0	1.84
91567	18 40 21.50	−09 08 25.2	8.47 G		280.089 592 02	−09.140 337 57		0.28	−0.26	0.13	1.13	0.73	1.24	1.39	0.97	+ 9	−22	− 2	+ 6	− 7	+10	−15	−25	−20	−31	0	0.19
91568	18 40 21.76	+26 07 51.1	6.85 H		280.090 661 64	+26.130 861 80		7.10	1.09	3.99	0.42	0.54	0.73	0.54	0.61	+ 5	− 6	− 4	+ 8	+23	− 4	+18	+ 3	+24	+12	0	0.84
91569	18 40 21.91	+13 22 12.1	8.11 H		280.091 310 71	+13.370 026 68		14.49	35.89	−24.26	0.90	0.66	1.05	1.26	0.95	+20	−28	−22	−36	− 6	+13	−13	−33	+29	+35	0	1.59
91570	18 40 22.26	−67 31 16.6	9.34 1 H		280.092 750 24	−67.521 288 29		2.71	9.37	1.97	1.43	1.49	2.14	1.47	1.75	−19	− 4	−11	−44	+ 3	− 1	+ 0	−29	+ 1	− 4	0	
91571	18 40 22.61	+08 52 06.5	6.93 H		280.094 205 61	+08.868 467 85		0.92	−3.36	−6.75	0.73	0.51	0.82	0.80	0.65	+11	−18	−19	−32	+ 9	+ 5	+ 9	−30	+18	+ 3	0	0.23
91572	18 40 24.38	−43 20 22.5	7.91 H		280.101 592 33	−43.339 595 85		5.29	27.12	8.10	0.79	0.56	0.89	1.02	0.70	+ 2	−18	−15	− 1	+ 8	− 1	+ 8	−30	+10	+ 5	0	0.94
91573	18 40 24.42	−36 05 47.4	9.02 H		280.101 733 36	−36.096 494 26		5.48	16.50	−25.53	1.19	0.73	1.36	1.43	0.91	+ 8	−38	+ 3	+ 1	− 5	+ 1	− 5	−44	+ 0	+10	0	−0.76
91574	18 40 24.49	+41 32 47.5	9.37 H		280.102 041 38	+41.546 519 22		5.50	3.92	38.74	0.75	0.90	0.94	0.79	1.04	+20	−16	− 5	+ 7	+ 9	+ 1	+11	+23	−12	+21	0	−1.69
91575	18 40 24.52	−52 12 03.1	7.34 H		280.102 180 91	−52.200 864 26		8.74	−14.08	16.88	0.83	0.62	0.96	0.90	0.61	+16	−23	+ 3	+15	−57	−13	−48	−20	− 7	+28	4	0.11
91576	18 40 24.76	+48 34 17.8	11.10 H		280.103 176 07	+48.571 611 76		−0.11	−9.95	1.44	1.31	1.27	1.43	1.60	1.39	− 4	+13	+ 2	−20	+11	−13	+10	+ 3	− 3	+ 0	0	0.05
91577	18 40 24.81	−47 36 32.0	9.10 H		280.103 373 48	−47.608 877 27		−0.94	9.52	4.92	1.25	0.97	1.43	1.81	1.22	+ 7	− 4	+18	−12	− 8	+17	− 2	−36	+16	+20	0	0.36
91578	18 40 29.11	−45 44 51.7	9.57 2 H		280.121 275 92	−45.747 692 18		0.95	−11.10	−17.89	1.36	1.01	1.60	1.74	1.20	− 6	−33	+ 4	− 2	+13	− 2	+13	−28	− 8	− 9	0	2.03
91579 H	18 40 29.71	+31 38 36.4	7.40 G		280.123 772 19	+31.643 454 40	A	5.02	−6.35	1.98	1.37	1.52	1.25	1.08	1.41	−27	− 8	− 7	+ 3	− 6	− 6	− 6	+11	− 4	+ 2	3	0.31
91580	18 40 31.32	+02 41 04.1	7.95 H		280.130 513 14	+02.684 483 46		7.81	−35.31	−16.23	0.71	0.52	0.90	0.70	0.59	+15	−24	−19	−28	+ 8	+11	+ 8	−33	+11	− 2	0	1.08
91581	18 40 33.08	−16 59 57.6	10.66 G		280.137 849 83	−16.999 337 80		16.86	38.48	−254.58	1.89	1.33	2.39	2.38	1.52	+17	−17	−50	− 3	+ 4	+14	+ 1	−33	+ 1	−21	0	−1.15
91582	18 40 33.44	−48 34 04.7	8.89 G		280.139 313 24	−48.567 974 89		16.92	88.54	−118.94	1.16	0.86	1.28	1.65	1.09	+ 5	−29	− 9	+ 0	−16	− 6	−18	−25	+ 2	−17	0	1.59
91583	18 40 34.69	−33 14 21.4	11.73 H		280.144 535 04	−33.239 266 36		−2.86	−1.19	5.78	3.39	2.25	3.73	4.92	3.07	−30	− 8	−18	−29	+52	−15	+43	−64	+29	−39	0	2.24
91584	18 40 35.86	−33 51 24.7	7.05 H		280.149 408 90	−33.856 870 10		2.44	17.71	21.49	0.85	0.58	1.01	1.25	0.74	−19	−10	−26	− 8	+41	−30	+25	−54	+30	−41	0	1.02
91585	18 40 36.39	+50 48 50.2	9.34 H		280.151 629 06	+50.813 957 49		4.15	3.81	−2.22	0.79	0.81	0.87	0.92	0.95	+ 4	− 9	− 3	− 2	+ 8	− 1	+ 6	+17	+ 5	+12	0	0.68
91586	18 40 41.88	+10 57 54.8	7.75 H		280.174 493 80	+10.965 231 80		0.29	0.63	−9.35	0.81	0.57	0.97	1.11	0.83	+25	− 7	−17	+13	+30	+13	+27	− 3	+41	+28	4	0.32
91587	18 40 42.03	−02 41 46.0	9.94 H		280.175 126 63	−02.696 117 88		13.82	27.74	−17.00	1.54	0.93	1.63	1.45	1.16	+29	−24	+ 7	−23	− 7	+ 6	−10	−62	−11	+15	2	0.46
91588	18 40 42.38	−44 10 20.3	7.39 G		280.176 596 88	−44.172 293 07		6.35	17.62	17.47	0.81	0.55	0.91	1.03	0.70	− 8	−29	− 4	+ 1	+13	+ 3	+10	−21	+ 6	−10	0	−0.87
91589	18 40 43.89	−47 01 38.2	6.80 H		280.182 879 68	−47.027 273 95		7.39	−8.25	11.43	0.74	0.56	0.90	0.94	0.68	+ 9	−20	+ 4	−11	− 1	− 5	− 1	−35	− 8	+ 4	0	−0.23
91590	18 40 43.99	+42 57 45.0	8.44 H		280.183 277 26	+42.962 500 73		3.70	3.56	14.02	0.58	0.63	0.71	0.62	0.78	+ 0	+ 0	−14	+ 1	+ 0	+ 7	+ 4	−16	+15	+21	0	−1.21
91591	18 40 44.66	−07 58 24.0	10.00 G		280.186 094 24	−07.973 333 08		−0.62	−0.33	−9.54	1.61	1.13	1.71	1.79	1.44	+22	−23	− 3	− 5	−12	− 1	− 6	−36	−11	+33	2	1.48
91592 H	18 40 45.73	−43 30 09.2	8.32 H		280.190 523 92	−43.502 550 12	A	5.48	−3.82	−30.86	1.41	0.98	1.42	1.61	1.11	+ 7	−21	−13	− 9	+ 1	+ 7	− 1	−38	+11	− 3	1	0.52
91593	18 40 45.89	−39 05 14.4	8.83 H		280.191 217 23	−39.087 331 93		3.35	3.03	−14.78	1.88	1.26	2.05	2.23	1.43	−11	−29	+ 5	−29	+18	+ 0	+16	−57	− 8	−19	0	
91594	18 40 46.09	+08 47 34.2	7.21 H		280.192 037 24	+08.792 820 63		4.47	16.63	44.60	0.82	0.55	0.88	0.88	0.69	+26	−14	−19	−36	− 2	− 2	− 2	−32	+17	+14	2	2.29
91595	18 40 46.80	−44 18 28.8	9.68 H		280.195 000 38	−44.308 002 90		2.84	−8.95	−33.21	1.41	0.99	1.64	1.89	1.28	− 3	−23	− 2	+ 5	+20	+ 5	+14	−19	+10	−14	0	−1.90
91596	18 40 47.27	−52 33 33.1	8.69 H		280.196 944 28	−52.559 190 66		1.02	13.80	−6.58	1.05	0.78	1.27	1.21	0.88	+18	−25	−15	+12	−41	+ 3	−37	−15	+10	+29	0	0.29
91597 H	18 40 47.29	−13 20 02.0	8.64 G		280.197 049 13	−13.333 889 28	*	3.73	−25.43	−13.39	3.09	1.54	1.37	1.42	1.12	+19	+10	+ 6	+ 0	+ 4	− 8	+14	−18	−18	+19	1	0.57
91598

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
91501	9.631	0.016	8.958	0.014		0.580	0.015	G	0.65	0.01	H	9.0337	0.0019	0.021	149		8.99	9.07					1							
91502	10.173	0.033	9.515	0.031		0.749	0.022	G	0.79	0.02	H	9.4874	0.0024	0.021	63		9.44	9.52		C			1							G
91503	8.387	0.012	7.128	0.007		1.070	0.015	G	1.03	0.01	H	7.1807	0.0009	0.008	80		7.17	7.20		C			1							S
91504	10.026	0.024	8.476	0.013		1.301	0.021	T	1.26	0.02	L	8.4949	0.0014	0.015	101		8.47	8.52					1							
91505	9.512	0.017	8.305	0.011		1.070	0.015	G	1.03	0.01	H	8.3426	0.0020	0.018	94		8.31	8.37		C			1							
91506	10.265	0.032	9.117	0.020		0.986	0.029	T	0.97	0.02	L	9.1538	0.0028	0.019	90		9.12	9.19		C			1							
91507	8.125	0.010	7.564	0.009		0.525	0.012	T	0.60	0.01	L	7.6157	0.0010	0.011	111		7.60	7.64		C			1							S
91508	8.610	0.015	8.436	0.018		0.159	0.022	T	0.18	0.02	L	8.4110	0.0021	0.016	69		8.39	8.44		C	18397−4704	I 1	1	G						
91509	10.366	0.036	9.336	0.024		0.897	0.032	T	0.90	0.02	L	9.4485	0.0025	0.021	96		9.40	9.48					1							
91510	10.108	0.021	8.943	0.013		1.000	0.019	T	0.98	0.01	L	9.0180	0.0022	0.027	202		8.97	9.07					1							
91511	8.793	0.009	8.391	0.009		0.393	0.011	T	0.46	0.01	L	8.4463	0.0018	0.020	158		8.40	8.48					1							
91512	8.272	0.012	6.880	0.007		1.177	0.011	T	1.14	0.01	L	6.9159	0.0012	0.010	65		6.90	6.94		C			1							S
91513	10.044	0.029	9.650	0.032		0.394	0.034	G	0.46	0.04	H	9.7186	0.0027	0.023	82		9.69	9.77		C			1							G
91514	9.849	0.025	10.056	0.046		−0.043	0.003	G	−0.02	0.00	H	9.9094	0.0027	0.025	87		9.86	9.95		C			1	S						G
91515	9.207	0.021	8.862	0.023		0.204	0.106	G	0.35	0.10	L	8.8921	0.0016	0.012	75		8.87	8.91			18399−2531	I 2	1							
91516	9.654	0.022	7.797	0.010		1.576	0.020	T	2.82	0.05	O	7.4792	0.0141	0.109	66		7.38	7.68		U 2			1	S						S
91517	10.275	0.033	9.103	0.021		1.005	0.030	T	0.98	0.02	L	9.1463	0.0023	0.018	84		9.11	9.17		C			1							
91518	7.774	0.007	7.508	0.007		0.253	0.009	T	0.28	0.01	L	7.5460	0.0017	0.012	113		7.53	7.57		C			1							S
91519	9.054	0.015	8.718	0.016		0.324	0.024	T	0.38	0.03	L	8.7963	0.0028	0.019	81		8.77	8.83		C			1							
91520	9.808	0.016	8.607	0.010		1.028	0.015	T	1.00	0.01	L	8.6400	0.0016	0.018	185		8.61	8.67		C			1	S						
91521	8.640	0.010	8.410	0.012		0.219	0.015	T	0.24	0.02	L	8.4294	0.0017	0.014	96		8.41	8.45		C			1							
91522	8.396	0.009	8.400	0.011		0.001	0.013	T	0.02	0.01	L	8.4066	0.0016	0.016	145		8.38	8.43		C			1							
91523	7.488	0.006	6.372	0.004		0.962	0.006	T	0.95	0.01	L	6.4274	0.0009	0.009	87		6.41	6.45			18399+0722	I 1	1	S						S
91524	8.827	0.023	8.001	0.019	*	0.744	0.023	T	0.79	0.02	L	*	8.0412	0.0025	0.017	80	*	8.01	8.07		R	18399−2531	I 2	2	C	B	AB	219	7.083	0.005	0.24	0.02	
91525	5.920	0.004	5.990	0.003		−0.067	0.001	G	−0.04	0.00	H		5.9845	0.0008	0.007	104		5.97	6.00					1	S						S
91526	8.415	0.009	8.096	0.009	A	0.347	0.015	G	0.41	0.02	H	*	8.0973	0.0010	0.011	121	*	8.08	8.12		D	18399+5815	I 1	2	C	A	AB	57	4.014	0.022	3.48	0.14	S
91527	6.968	0.007	6.694	0.006		0.261	0.009	T	0.29	0.01	L		6.7412	0.0011	0.006	60		6.73	6.75		C			1	G						S
91528	8.575	0.011	8.545	0.013		0.032	0.016	T	0.05	0.01	L		8.5631	0.0014	0.014	89		8.54	8.59		C			1							
91529	9.671	0.022	8.926	0.018	A	0.714	0.126	G	0.77	0.10	R	*	8.9410	0.0039	0.037	109	*	8.90	9.03		U 2	18399+5106	I 1	2	C	D	AB	37	8.234	0.033	2.66	0.15	D
91530	8.126	0.010	7.390	0.008		0.676	0.015	G	0.74	0.01	H		7.4528	0.0015	0.011	62		7.43	7.47		C			1							S
91531	8.864	0.011	8.382	0.010		0.695	0.015	G	0.75	0.01	H		8.4033	0.0019	0.018	112		8.38	8.44					1							
91532	7.849	0.010	6.002	0.006		1.536	0.009	T	1.59	0.02	L		5.9413	0.0013	0.009	71		5.93	5.96			18400−0747	I 1	1							S
91533	7.562	0.006	6.528	0.005		0.900	0.006	T	0.90	0.00	L		6.5898	0.0009	0.008	136		6.58	6.61		C			1							S
91534	7.802	0.006	7.605	0.008		0.188	0.009	T	0.21	0.01	L		7.6550	0.0011	0.013	161		7.63	7.68					1	G						S
91535	8.510	0.008	8.024	0.008		0.473	0.015	G	0.54	0.02	H		8.0871	0.0007	0.009	135		8.07	8.11					1							
91536	9.308	0.016	7.896	0.009		1.193	0.014	T	1.15	0.01	L		7.9238	0.0012	0.011	80		7.90	7.94		C			1							
91537	11.069	0.053	10.010	0.034	B	0.918	0.048	T	0.92	0.04	L		10.1592	0.0954			B				D	18401+0322	I 2	1	C	I	A				
91538	8.912	0.013	8.742	0.015	A	0.163	0.019	T	0.18	0.02	L		8.7992	0.0342	0.035	103	A	8.72	8.85		D	18401+0322	I 2	1	C	P	A				
91539	9.201	0.016	7.943	0.009	*	1.072	0.014	T	1.04	0.01	L	*	8.0263	0.0015	0.019	175	*	8.00	8.06		D	18401+2442	I 1	2	C	A	AB	175	9.988	0.015	2.23	0.06	
91540	9.026	0.014	8.495	0.013		0.506	0.014	T	0.58	0.01	L		8.5428	0.0021	0.017	91		8.52	8.58		C			1							
91541	9.385	0.015	8.309	0.010		0.931	0.014	T	0.93	0.01	L		8.3626	0.0013	0.013	120		8.34	8.39		C			1							S
91542	10.646	0.044	9.088	0.020		1.308	0.038	T	1.27	0.04	L		9.0845	0.0018	0.019	95		9.04	9.11		C			1							
91543	10.821	0.040	9.129	0.016		1.413	0.034	T	1.39	0.05	L		9.1245	0.0019	0.023	152		9.08	9.16					1							
91544	8.743	0.012	7.914	0.010		0.747	0.012	T	0.79	0.01	L		7.9813	0.0018	0.015	101		7.95	8.01					1							
91545	8.710	0.012	8.360	0.013		0.332	0.017	T	0.39	0.02	L		8.4014	0.0012	0.018	99		8.37	8.44					1							S
91546	9.877	0.028	9.125	0.024		0.672	0.028	T	0.73	0.02	L		9.1769	0.0020	0.017	79		9.15	9.21					1							
91547	10.950	0.047	10.467	0.049		0.455	0.062	T	0.52	0.07	L		10.4941	0.0043	0.036	107		10.42	10.55					1							G
91548	8.066	0.010	8.228	0.013		−0.140	0.003	G	−0.13	0.00	H		8.2260	0.0017	0.017	80		8.20	8.25					1							
91549	10.382	0.025	9.192	0.016		1.019	0.023	T	0.99	0.02	L		9.2860	0.0022	0.027	158		9.24	9.33					1							
91550	8.727	0.016	8.730	0.021		0.002	0.024	T	0.02	0.02	L		8.7093	0.0055	0.033	49		8.65	8.75		U 2			1							
91551	10.757	0.048	8.969	0.019		1.489	0.041	T	1.51	0.06	L		8.9302	0.0022	0.016	80		8.91	8.96		C			1							
91552	6.764	0.005	6.515	0.005	*	0.220	0.008	G	0.20	0.03	C	*	6.5584	0.0009	0.007	106	*	6.55	6.57		C	18402+3822	H 1	2	C	S	A	AB	275	0.111	0.008	1.18	0.46	S
91553	8.675	0.010	8.627	0.013		0.051	0.015	G	0.06	0.01	H		8.6612	0.0020	0.017	105		8.63	8.69		C			1							
91554	9.381	0.017	7.702	0.008	A	1.071	0.197	G	1.30	0.03	L	*	7.6866	0.0013	0.012	127	*	7.66	7.71			18403+3425	H 1	2	C	C	AB	20	1.849	0.057	4.00	0.22	S
91555	9.767	0.025	9.019	0.021		0.622	0.015	G	0.69	0.01	H		9.1061	0.0028	0.018	81		9.08	9.14			18403+0942	I 2	1							
91556	9.889	0.024	9.323	0.024		0.534	0.025	T	0.61	0.03	L		9.3383	0.0023	0.020	112		9.31	9.37		C			1							
91557						1.542	0.012	G	2.09	0.02	A		11.2328	0.0096	0.057	55		11.15	11.35					1	X	S					G
91558	9.319	0.015	7.803	0.008		1.274	0.013	T	1.23	0.01	L		7.8147	0.0013	0.010	101		7.79	7.84		C			1							
91559	7.337	0.006	7.052	0.006		0.271	0.008	T	0.31	0.01	L		7.0800	0.0017	0.009	69		7.06	7.10					1							S
91560	8.471	0.009	8.350	0.011		0.117	0.013	T	0.13	0.01	L		8.3960	0.0015	0.016	141		8.37	8.42					1							
91561	8.932	0.011	8.745	0.012		0.179	0.015	T	0.20	0.02	L		8.7859	0.0017	0.017	153		8.75	8.82		C			1							
91562	8.868	0.014	8.483	0.015		0.359	0.007	G	0.42	0.01	H		8.5567	0.0022	0.014	80		8.53	8.58		C	18403+0942	I 2	1							
91563	7.827	0.006	7.337	0.007		0.461	0.008	T	0.53	0.01	L		7.3839	0.0010	0.009	134		7.37	7.40					1							S
91564	10.459	0.038	9.906	0.035		0.524	0.038	T	0.60	0.04	L		9.9824	0.0025	0.023	95		9.94	10.03		C			1							G
91565	8.239	0.011	7.107	0.009		0.974	0.011	T	0.96	0.01	L		7.1616	0.0015	0.012	64		7.14	7.18					1							S
91566	10.291	0.035	10.387	0.060		−0.120	0.015	G	−0.11	0.02	H		10.4535	0.0039	0.026	61		10.41	10.49		C			1							G
91567	9.323	0.028	8.567	0.023		0.750	0.029	G	0.79	0.02	H		8.6092	0.0021	0.013	49		8.59	8.63		C			1							
91568	6.862	0.004	6.846	0.004		0.019	0.005	T	0.04	0.01	L		6.8652	0.0008	0.008	155		6.85	6.88		C			1							S
91569	8.635	0.012	8.158	0.011		0.449	0.015	T	0.52	0.02	L		8.2071	0.0013	0.013	74		8.19	8.23		C			1							
91570	10.607	0.028	9.460	0.017		0.986	0.026	T	0.97	0.02	L		9.4999	0.0026	0.028	188		9.45	9.56		U			1	X	S					
91571	7.200	0.006	6.960	0.008		0.220	0.015	G	0.24	0.02	H		7.0007	0.0011	0.008	76		6.99	7.01		C			1							S
91572	8.352	0.012	7.932	0.012		0.397	0.016	T	0.46	0.02	L		8.0041	0.0015	0.012	84		7.98	8.02					1							
91573	9.705	0.024	9.115	0.022		0.552	0.024	T	0.62	0.02	L		9.1441	0.0019	0.016	89		9.11	9.17		C			1							
91574	9.831	0.021	9.429	0.022		0.380	0.028	T	0.44	0.03	L		9.4624	0.0020	0.024	109		9.42	9.49		C			1							
91575	7.531	0.006	7.359	0.007		0.157	0.009	T	0.17	0.01	L		7.3918	0.0011	0.009	100		7.38	7.40		C			1							S
91576											T		11.2369	0.0047	0.036	90		11.16	11.29		C			1							G
91577	11.109	0.066	9.272	0.023		1.528	0.055	T	1.57	0.12	L		9.2279	0.0034	0.020	64		9.18	9.26					1	S						
91578	10.247	0.040	9.681	0.039		0.529	0.050	T	0.60	0.05	L		9.6813	0.0034	0.102	81		9.64	10.12	2.49	P 1 A			1							
91579	7.749	0.008	7.445	0.008	*	0.335	0.015	G	0.39	0.02	H	*	7.4708	0.0012	0.011	124	*	7.46	7.49		D	18405+3139	I 1	2	C	A	AB	133	0.401	0.002	0.10	0.02	S
91580	8.348	0.009	7.987	0.009		0.342	0.012	T	0.40	0.02	L		8.0336	0.0012	0.015	120		8.01	8.06		D			1							S
91581	12.607	0.413	10.690	0.139		1.009	0.005	G	1.05	0.01	I		10.7769	0.0051	0.032	52		10.74	10.85					1	S						G
91582	9.866	0.029	9.021	0.023		0.756	0.002	G	0.80	0.00	H		9.0456	0.0026	0.018	67		9.02	9.08		C			1							
91583											T		11.8791	0.0080	0.068	99		11.73	11.99					1	S						G
91584	8.802	0.011	7.190	0.006		1.350	0.010	T	1.32	0.01	L		7.1972	0.0012	0.010	112		7.18	7.22		C			1							S
91585	9.819	0.023	9.343	0.023		0.448	0.030	T	0.52	0.03	L		9.4431	0.0019	0.017	112		9.41	9.47		C			1							
91586	7.787	0.009	7.752	0.013		0.036	0.015	G	0.05	0.01	H		7.7666	0.0013	0.011	70		7.75	7.79					1							S
91587	10.939	0.048	9.959	0.033		0.885	0.015	G	0.93	0.01	H		10.0877	0.0032	0.024	78		10.05	10.12		C			1							G
91588	8.041	0.011	7.431	0.009		0.556	0.011	G	0.63	0.01	H		7.5070	0.0010	0.009	79		7.49	7.52		C			1							S
91589	6.892	0.006	6.812	0.009		0.079	0.010	T	0.09	0.01	L		6.8316	0.0010	0.009	68		6.82	6.84		C			1							S
91590	8.921	0.011	8.477	0.011		0.419	0.014	T	0.49	0.01	L		8.5342	0.0021	0.017	121		8.51	8.57					1							
91591	10.713	0.066	10.146	0.064		0.445	0.015	G	0.51	0.02	H		10.1036	0.0040	0.023	58		10.07	10.14		C			1	S						G
91592	8.969	0.016	8.466	0.015	A	0.000	0.495	G	0.50	0.12	L	*	8.4159	0.0022	0.015	87	*	8.39	8.44		D	18408−4330	I 1	2	C	A	AB	129	2.054	0.009	2.12	0.04	
91593	10.201	0.029	8.996	0.019		1.031	0.027	T	1.00	0.02	L		8.9989	0.0023	0.019	83		8.97	9.03					1	X	S					
91594	7.605	0.009	7.254	0.007		0.350	0.015	G	0.41	0.02	H		7.2912	0.0014	0.010	71		7.27	7.31					1							S
91595	10.236	0.036	9.763	0.035		0.446	0.046	T	0.52	0.05	L		9.7739	0.0031	0.021	72		9.74	9.80		C			1							
91596	9.913	0.022	8.788	0.015		0.969	0.021	T	0.95	0.02	L		8.8508	0.0018	0.015	96		8.82	8.87		C			1							
91597	10.658	0.050	8.777	0.018	*	1.160	0.040	G	1.12	0.04	R	*	8.7685	0.0027	0.019	66	*	8.74	8.81			18408−1320	H 1	2	C	C	AB	166	0.114	0.073	1.35	1.79	
91598	9.932	0.023	7.818	0.009		1.810	0.015	G	1.79	0.01	J		7.7000	0.0013	0.012	86		7.68	7.73					1	G						
91599	8.220	0.013	7.745	0.010		0.460	0.013	T	0.53	0.01	L		7.7743	0.0011	0.009	49		7.76	7.79					1							S
91600	8.776	0.014	7.490	0.009		1.094	0.013	T	1.06	0.01	L		7.5278	0.0013	0.011	83		7.51	7.54		D			1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ α*	π α*	π δ	$\mu_{\alpha*}$ α*	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ α*	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg	mas	mas/yr		mas		mas	mas/yr												%	
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
91601	18 40 51.60	−51 04 04.9	10.20	H	280.214 993 31	−51.068 026 70	4.73	−60.22	−95.16	1.74	1.27	2.05	1.92	1.32	+43	−37	−20	+ 3	−42	−11	−39	−29	+ 5	+47	0	0.60
91602	18 40 52.53	−20 29 46.6	9.19	H	280.218 895 28	−20.496 285 52	10.30	45.47	−18.63	1.21	0.78	1.30	1.63	1.29	+15	−33	− 8	+13	− 6	+12	− 3	−20	+20	+39	0	−0.04
91603	18 40 53.06	−34 56 55.1	9.45	H	280.221 069 29	−34.948 646 26	9.08	−9.90	−27.22	1.60	1.17	2.13	2.37	1.47	−22	+16	−41	−27	+42	−41	+30	−69	+44	−37	0	1.45
91604	18 40 53.70	+19 26 19.3	10.15	H	280.223 764 79	+19.438 692 31	−0.47	−9.37	−10.54	0.90	1.04	1.74	1.13	1.40	+15	+ 1	−18	+20	−11	+17	− 7	−10	+18	+27	0	0.76
91605 H	18 40 54.82	+31 32 06.4	8.54	G	280.228 435 63	+31.535 112 53 A	41.88	86.68	−837.45	1.14	1.32	1.59	1.26	1.64	+ 4	− 9	+13	+19	− 6	−10	+ 0	+24	−13	+ 0	2	1.20
91606	18 40 56.40	+62 44 57.6	6.10	H	280.234 990 41	+62.749 335 14	8.51	9.36	53.87	0.52	0.44	0.49	0.65	0.56	+13	−10	− 1	+13	+ 6	+10	+ 8	+25	−12	+ 9	0	0.96
91607	18 40 56.63	−35 06 41.4	9.06	H	280.235 956 76	−35.111 499 33	−8.54	14.08	−3.88	7.27	4.73	8.67	9.37	5.66	+ 4	−24	−11	− 5	+16	− 9	+ 6	−51	+15	−11	0	
91608	18 40 57.36	−13 22 40.7	10.63	G	280.239 018 78	−13.377 977 68	61.63	−91.74	−669.70	1.88	1.43	2.09	2.65	2.20	+27	−16	−14	−16	−36	−12	−21	−51	−18	+60	5	−1.28
91609 H	18 40 59.63	+24 49 30.3	7.63	H	280.248 464 41	+24.825 087 75 *	4.41	4.34	10.34	0.44	0.63	0.85	0.52	0.75	+ 4	−14	−21	+19	+12	− 9	+12	+14	− 9	− 6	0	1.23
91610	18 40 59.69	+41 55 01.8	7.72	H	280.248 721 95	+41.917 165 57	4.79	5.52	12.43	0.51	0.55	0.62	0.54	0.59	+ 5	−10	+ 1	+ 3	+14	−14	+14	+10	+ 1	+ 9	0	0.53
91611	18 41 00.28	+54 55 34.2	8.25	H	280.251 147 78	+54.926 173 82	13.55	−25.36	−7.69	0.61	0.61	0.64	0.64	0.70	+11	−10	−19	+29	+10	− 6	+11	+ 8	+ 2	+20	0	0.73
91612	18 41 00.43	−30 31 44.4	7.70	H	280.251 798 90	−30.528 989 20	4.74	−13.71	−35.78	1.03	0.58	1.04	1.33	0.84	−18	−15	+15	+22	−22	+ 2	−23	−38	− 3	−15	0	0.83
91613	18 41 00.66	−06 05 50.0	10.58	2 H	280.252 763 28	−06.097 223 55	3.62	1.29	−0.95	1.97	1.29	2.12	2.03	1.58	+27	−20	− 8	+ 5	− 6	+ 8	− 8	−37	+ 6	+21	4	1.19
91614	18 41 01.67	+27 24 26.5	8.98	H	280.256 938 45	+27.407 370 31	17.65	9.85	−87.22	0.64	0.87	1.06	0.75	0.93	+12	+ 2	− 2	+ 3	+18	− 2	+17	+24	− 3	+12	0	0.04
91615 H	18 41 03.49	+44 16 16.0	7.31	H	280.264 542 97	+44.271 101 86 *	5.48	1.59	0.17	0.54	0.58	0.62	0.56	0.68	+23	+11	− 6	− 4	−10	− 4	−10	−18	+ 4	+28	1	1.21
91616	18 41 03.90	−37 39 13.8	9.00	H	280.266 255 43	−37.653 845 92	1.86	−12.83	−30.07	1.33	0.91	1.46	1.90	1.13	−34	−10	−24	−36	+40	−22	+30	−65	+22	−51	2	0.37
91617	18 41 05.21	+42 21 12.1	10.03	H	280.271 718 02	+42.353 350 24	1.27	−2.10	4.03	0.90	0.99	1.11	1.04	1.17	+ 5	−14	− 2	+17	+11	−18	+11	+ 4	+ 7	+17	0	0.51
91618	18 41 05.85	−38 21 30.5	8.48	H	280.274 374 29	−38.358 482 14	7.44	4.47	7.48	1.00	0.63	1.18	1.15	0.71	+ 8	−35	−15	− 5	+ 3	+ 5	− 4	−40	+ 4	−14	0	−1.38
*91619	18 41 06.20	−82 53 52.4	7.86	H	280.275 838 15	−82.897 879 83	4.16	−17.07	−1.34	0.61	0.66	0.81	0.64	0.78	−17	−32	+10	+18	−10	−13	− 7	− 3	− 7	−18	0	−0.08
*91620	18 41 06.02	−08 09 36.6	9.47	G	280.275 091 55	−08.160 180 44	1.87	1.47	−3.52	1.42	0.92	1.60	1.61	1.22	+17	−16	− 5	− 1	− 9	+ 9	−10	−33	−16	+ 5	0	−0.41
91621	18 41 06.38	−26 44 26.3	8.40	H	280.276 589 44	−26.740 627 24	7.19	4.54	18.83	1.17	0.71	1.29	1.52	0.98	−32	− 1	−22	−22	+32	−38	+22	−65	+36	−46	0	−0.11
91622	18 41 07.81	+12 12 37.2	7.82	H	280.282 537 79	+12.210 333 67	2.64	−0.65	5.50	0.90	0.63	1.03	1.07	0.81	+12	−32	−13	+13	+23	− 9	+15	−15	+25	+18	4	−0.16
91623	18 41 08.65	−14 45 24.6	8.77	H	280.286 057 99	−14.756 840 38	1.00	0.18	0.10	1.22	0.74	1.37	1.34	0.99	+12	−38	−11	−12	− 9	+28	− 5	−46	+ 3	+15	0	0.07
91624	18 41 10.22	−06 46 56.2	10.97	G	280.292 600 53	−06.782 284 45	−4.45	3.27	−1.14	1.89	1.35	2.08	1.83	1.50	+29	−22	−16	−20	−18	+ 8	−17	−46	− 4	+22	0	1.54
91625	18 41 10.61	−11 00 44.1	9.97	G	280.294 220 87	−11.012 248 37	1.55	0.59	4.03	1.55	1.07	1.77	1.68	1.26	+ 2	−21	+ 4	− 3	+14	+20	+17	−21	−15	− 2	0	−0.95
*91626	18 41 11.49	−56 52 27.0	10.49	G	280.297 869 30	−56.874 166 39	21.59	17.59	−68.67	1.88	1.40	2.24	4.48	2.02	+ 3	−28	−20	+31	−36	− 1	−51	−26	+29	−31	0	2.07
*91627	18 41 11.47	+50 42 54.6	8.26	H	280.297 783 46	+50.715 174 08	5.02	44.29	50.34	0.65	0.63	0.70	0.74	0.80	− 3	−22	− 4	− 1	+ 9	+ 0	+ 9	+22	− 8	+ 8	1	−0.06
91628	18 41 12.78	+02 01 46.7	9.64	H	280.303 245 59	+02.029 638 00	2.89	−6.03	9.09	1.13	0.80	1.41	1.27	1.08	+38	−20	−21	−24	+ 1	+ 9	+ 4	−30	+12	+24	0	1.10
91629 H	18 41 13.12	−42 10 00.0	7.10	H	280.304 668 70	−42.166 659 69 A	5.86	4.10	12.01	1.38	0.99	1.46	1.62	1.07	+14	− 7	−22	+12	− 9	+20	+ 1	−32	+19	+25	4	0.91
91630	18 41 13.84	−03 49 01.7	8.03	H	280.307 655 25	−03.817 136 59	4.23	−0.10	−30.02	1.08	0.69	1.16	1.07	0.89	+29	−33	− 1	+ 2	−16	− 5	−33	−52	+ 1	− 2	0	−0.69
91631	18 41 14.21	−41 26 23.6	8.78	H	280.309 216 42	−41.439 892 75	6.93	19.91	−7.64	1.07	0.71	1.22	1.33	0.92	+ 6	−33	−13	+ 6	+ 0	+ 6	− 5	−24	+17	+ 1	0	0.74
91632	18 41 14.81	+16 21 35.5	10.85	H	280.311 688 73	+16.359 867 81	5.83	50.97	−145.37	1.83	1.76	2.67	2.07	2.20	−15	+ 1	−32	−45	+ 6	+19	+14	−50	+30	− 5	0	1.46
91633	18 41 15.65	−60 18 29.2	9.00	H	280.315 221 87	−60.308 107 85	0.45	−25.89	−22.89	1.15	0.94	1.36	1.37	1.06	+ 7	−26	− 6	− 2	−17	−16	−17	−30	− 1	+ 4	0	0.43
91634	18 41 15.95	+28 43 21.2	11.48	2 H	280.316 444 28	+28.722 563 34	−2.68	0.34	−8.94	1.29	1.69	2.15	1.61	1.95	+ 5	− 9	+11	+11	+20	+ 0	+18	+26	+ 4	+ 9	1	−0.79
91635	18 41 16.13	+30 17 27.1	6.91	H	280.317 207 91	+30.290 850 34 C	6.15	1.83	−40.15	8.15	9.82	1.32	1.17	1.44	+ 4	− 8	−16	− 6	+ 3	+ 7	+ 7	+23	−26	−16	1	−2.54
91636 H	18 41 16.36	+30 17 40.9	6.79	H	280.318 156 97	+30.294 699 63 *	6.15	1.83	−40.15	3.04	1.59	1.32	1.17	1.44	+ 4	+ 1	− 5	+ 5	+ 4	+ 7	+ 0	+16	−26	−16	1	−2.54
91637	18 41 16.51	+36 27 21.6	9.42	H	280.318 785 46	+36.456 005 27	1.67	8.86	−2.23	0.78	0.94	1.01	0.86	1.50	+ 9	+ 0	+ 0	+ 8	+ 4	+ 0	+ 4	+36	+ 6	+10	1	−0.62
91638	18 41 16.60	−63 32 03.9	9.41	H	280.319 178 54	−63.534 428 10	26.47	14.90	22.01	0.95	0.84	1.34	1.18	0.93	−15	−24	−22	+38	−22	− 8	−20	+18	+ 4	− 5	0	0.72
91639	18 41 17.01	−36 18 30.7	7.91	H	280.320 877 70	−36.308 516 01	1.74	−1.68	−13.40	0.92	0.60	1.07	1.11	0.73	+ 7	−33	+12	− 9	−12	− 6	− 8	−52	−14	+ 7	2	0.08
91640	18 41 18.42	−28 49 32.4	8.32	H	280.326 763 55	−28.825 662 28	−1.07	1.07	− 5.29	1.15	0.65	1.22	1.45	0.93	+ 3	−29	− 1	+17	−18	−15	−26	−43	+19	− 3	4	−0.22
91641	18 41 18.77	−45 14 49.8	8.19	H	280.328 187 50	−45.247 165 84	1.53	−3.15	−25.18	0.90	0.66	1.10	1.19	0.81	+10	−20	−15	+ 6	+13	− 6	+ 3	−32	+16	− 7	0	−0.03
91642	18 41 19.25	+27 55 30.3	8.32	H	280.330 216 43	+27.925 096 15	5.93	−1.05	−11.69	0.59	0.69	0.91	0.69	0.74	− 1	−13	+ 6	+ 9	+21	+ 0	+20	+17	− 6	− 1	0	0.91
91643	18 41 19.68	−31 26 36.5	10.12	H	280.332 014 45	−31.443 464 53	6.12	1.81	− 0.68	1.66	0.96	1.69	1.97	1.29	−20	−33	+ 6	+18	− 6	− 5	− 7	−23	+ 7	−17	0	−1.61
91644	18 41 19.76	−60 25 46.4	11.24	G	280.332 352 23	−60.429 561 57	27.51	−44.09	−120.60	1.90	1.73	2.46	2.22	1.92	+ 2	−23	− 7	+ 3	−21	− 2	−17	−25	−11	+ 0	0	−0.96
91645	18 41 20.32	+04 33 29.7	7.06	G	280.334 658 93	+04.558 253 75	25.41	59.47	−37.36	0.71	0.50	0.88	0.77	0.65	+21	−29	−19	− 3	+19	+22	+23	−12	+19	+33	2	0.77
91646	18 41 20.81	−34 22 46.3	9.41	H	280.336 693 07	−34.379 517 34	6.57	12.57	−29.83	1.32	0.95	1.76	1.82	1.17	+16	− 5	−25	−18	+18	−24	+ 3	−67	+33	− 5	0	−0.16
91647	18 41 21.05	−50 28 21.2	6.54	H	280.337 719 33	−50.472 550 05	8.61	−35.38	−44.33	0.75	0.50	0.89	0.80	0.51	+10	−38	−18	+31	−19	−13	−21	− 5	+ 7	+ 4	0	1.15
91648 H	18 41 21.16	−72 13 21.8	8.79	H	280.338 164 50	−72.222 712 02 A	7.62	−43.45	61.71	2.39	2.73	2.62	1.56	2.01	−21	−17	+ 3	+14	−12	−14	−12	− 8	−10	−13	1	−0.43
91649	18 41 21.72	+07 54 14.1	8.00	H	280.340 485 53	+07.903 929 76	11.62	37.17	−110.34	0.80	0.57	0.96	0.85	0.74	+16	−25	−20	−21	+16	+14	+16	−24	+24	+ 3	0	0.22
91650	18 41 24.19	−27 57 27.9	8.44	H	280.350 802 94	−27.957 748 89	2.11	−2.93	−2.57	1.34	0.77	1.36	1.82	1.17	+15	−18	+ 6	− 8	−25	−28	−39	−69	+ 9	− 4	2	−1.51
91651	18 41 24.51	−62 00 35.5	8.83	H	280.352 117 28	−62.009 847 48	3.57	26.41	−39.81	0.87	0.80	1.33	1.34	0.91	−24	−10	−18	+12	+ 4	−19	+ 2	−11	+ 1	−16	0	−0.11
91652	18 41 24.68	−23 55 20.9	10.04	G	280.352 849 53	−23.922 470 28	1.78	4.53	− 1.02	1.78	0.81	1.92	1.94	1.17	− 9	−47	− 7	+15	+ 6	+ 9	−11	−36	+22	−24	4	−0.06
91653	18 41 24.96	+08 37 26.3	9.24	H	280.354 000 94	+08.623 974 81	3.14	−7.42	− 1.50	1.26	0.85	1.39	1.32	1.15	+ 9	− 7	+ 2	−20	+27	+ 7	+34	−15	+ 7	+ 6	0	−0.80
91654	18 41 26.05	−42 35 54.2	8.47	H	280.358 555 19	−42.598 395 93	0.11	−0.04	− 4.94	0.97	0.66	1.09	1.26	0.80	+ 3	−11	−29	+15	+ 5	+12	+10	−29	+20	+11	0	0.01
91655	18 41 26.68	+00 33 52.1	7.47	G	280.361 177 03	+00.564 481 17	4.26	−3.72	−28.78	0.74	0.53	0.91	0.81	0.66	+14	−16	−12	−24	+14	+ 8	+15	−38	− 4	− 6	0	−1.03
91656	18 41 26.79	+75 17 58.4	7.53	H	280.361 612 00	+75.299 562 31	11.07	16.81	83.04	0.56	0.47	0.55	0.60	0.59	− 2	−14	+ 3	−21	+ 9	−17	+11	− 2	−16	+ 8	0	2.14
91657	18 41 27.10	−10 23 47.0	8.70	H	280.362 922 15	−10.396 385 82	0.37	0.21	− 1.75	1.18	0.81	1.32	1.44	1.04	−10	−16	+10	− 5	+17	+27	+17	−26	−24	−21	0	1.43
91658	18 41 27.44	+40 28 34.8	8.37	H	280.364 326 27	+40.476 320 13	12.09	−12.50	62.65	0.56	0.66	0.72	0.62	0.80	− 4	−10	− 8	− 3	+10	−22	+10	+28	+ 0	− 8	0	−0.25
91659	18 41 28.51	+12 14 11.5	6.83	H	280.368 778 18	+12.236 533 53	3.57	13.00	5.05	0.69	0.55	0.82	0.86	0.69	+19	−19	−14	+13	+24	+ 5	+15	+ 3	+35	+23	2	1.08
91660	18 41 30.37	+52 35 42.3	9.05	H	280.376 533 10	+52.595 076 02	2.85	0.92	− 4.56	0.81	0.70	0.81	0.88	0.88	+13	+ 0	− 3	− 2	+ 5	−18	+ 5	+ 1	− 8	+22	0	1.26
91661	18 41 30.41	+12 58 31.2	8.43	H	280.376 696 27	+12.975 343 23	5.92	4.29	− 7.18	1.00	0.74	1.20	1.11	0.92	+24	−47	−31	+ 0	+22	− 9	+13	−19	+12	+15	0	1.28
91662	18 41 30.69	−48 05 39.9	6.47	H	280.377 895 02	−48.094 407 35	7.29	−16.02	−114.52	0.71	0.54	0.83	0.96	0.66	+ 2	−19	− 4	− 7	+ 4	−17	+ 3	−33	+ 0	− 2	0	0.58
91663	18 41 33.24	+41 23 21.2	8.42	H	280.388 493 37	+41.389 214 46	2.87	13.19	−20.11	0.58	0.62	0.68	0.66	0.72	+ 8	− 8	−15	+ 9	+ 6	− 2	+ 6	+27	− 4	+ 7	0	−0.62
91664	18 41 33.45	+45 49 18.1	8.61	H	280.389 386 82	+45.821 692 90	1.94	1.45	2.14	0.72	0.77	0.84	0.92	1.01	+12	−22	− 3	−13	−20	+16	−21	−14	+12	+34	0	−2.40
91665	18 41 34.44	−03 07 06.6	6.69	H	280.393 492 20	−03.118 486 21	4.89	57.83	2.50	1.26	0.84	0.97	1.54	1.24	+41	−38	− 7	−56	−36	+31	−32	−84	+ 5	+36	0	0.98
91666	18 41 35.00	+43 32 58.9	7.87	H	280.395 822 37	+43.549 707 68	7.77	7.72	− 8.10	0.54	0.61	0.66	0.61	0.75	+12	− 1	−17	+ 7	− 1	+ 4	+ 1	− 9	+13	+21	0	−0.25
91667	18 41 36.30	−17 59 16.0	8.62	H	280.401 249 58	−17.987 774 28	3.62	−1.71	− 2.41	1.14	0.77	1.26	1.38	0.93	+ 2	+ 4	−31	−24	+20	−21	+13	−41	+ 8	−14	0	1.57
91668	18 41 36.33	+00 55 31.2	12.23	G	280.401 387 88	+00.925 329 38	25.98	50.43	−1980.13	2.92	2.02	3.65	3.66	2.89	+37	−22	−14	−24	+ 5	− 4	+ 5	−38	+ 4	+20	4	0.66
91669	18 41 36.84	−24 59 17.3	8.18	H	280.403 486 41	−24.988 128 24	2.81	3.84	− 1.46	1.16	0.54	1.16	1.45	0.80	− 9	−26	− 4	+34	+ 0	− 3	−22	−41	+19	−33	0	−0.18
91670	18 41 38.81	+45 55 03.5	8.20	H	280.411 710 72	+45.917 650 40	8.50	−3.33	2.90	0.65	0.65	0.72	0.80	0.82	+ 7	−11	− 7	− 5	−18	+ 5	−17	−12	+ 2	+25	0	−0.74
91671	18 41 40.22	+34 05 55.5	7.43	1 H	280.417 579 75	+34.098 750 64	2.87	1.14	− 3.26	0.50	0.54	0.65	0.59	0.63	− 4	−17	− 6	+30	+ 4	−18	+ 3	+26	− 2	− 6	0	−0.74
91672	18 41 40.48	+10 37 00.3	9.44	G	280.418 658 37	+10.616 740 82	3.07	0.35	− 12.10	1.15	0.80	1.30	1.46	1.12	+32	−34	−23	−15	+11	+ 1	+ 4	−20	+22	+35	0	1.19
91673	18 41 40.61	+61 32 46.6	7.25	H	280.419 215 30	+61.546 269 34	4.59	−16.00	59.37	0.66	0.50	0.58	0.69	0.61	+12	− 7	+ 6	−14	+ 7	− 7	+ 7	+19	− 4	+20	1	1.02
91674	18 41 40.91	+40 43 04.5	6.64	H	280.420 457 91	+40.717 927 98	13.74	20.39	−38.92	0.46	0.50	0.58	0.54	0.61	− 3	−12	− 9	+ 6	+15	−15	+14	+22	− 4	−11	0	−0.38
91675	18 41 41.31	+31 37 03.3	6.41	H	280.422 107 55	+31.617 596 77	2.95	8.30	6.31	0.44	0.46	0.64	0.53	0.55	− 1	−15	− 8	+ 6	+13	−24	+13	+22	− 3	− 5	1	1.80
91676	18 41 42.15	−07 16 15.9	8.37	T	280.425 643 87	−07.271 079 53	−0.30	3.25	− 3.78	1.11	0.73	1.18	1.05	0.86	+ 7	−30	+ 1	−23	+ 2	+ 1	+ 8	−46	−11	+10	4	1.58
91677	18 41 42.46	−14 33 51.3	6.40	H	280.426 917 28	−14.564 241 78	0.71	1.49	− 0.78	0.85	0.50	0.98	0.88	0.63	+ 6	−45	−16	+ 5	− 4	+30	+ 0	−22	+ 8	+ 5	0	−0.45
91678	18 41 42.85	+69 31 27.7	8.76	H	280.428 537 26	+69.524 366 61	1.22	1.55	−11.32	0.80	0.69	0.79	0.80	0.80	− 2	−14	−15	−48	−11	+ 9	−12	−19	+17	− 7	0	−0.20
91679	18 41 44.12	−61 56 11.4	8.84	H	280.433 826 84	−61.936 497 71	1.30	6.97	−16.12	0.96	0.83	1.38	1.50	0.96	−21	−15	− 7	+13	+10	−25	+11	−24	+ 5	+36	0	−1.31
91680 H	18 41 44.99	+51 07 33.5	8.31	H	280.437 469 44	+51.125 983 22 A	3.43	2.67	1.86	1.05	0.99	0.97	1.09	1.14	+12	− 4	+ 3	+13	+ 0	+ 7	+11	+30	+ 8	− 7	3	0.56
91681	18 41 46.80	−31 10 10.5	8.28	H	280.444 986 12	−31.169 591 36	5.35	22.88	− 8.00	1.17	0.61	1.23	1.40	0.90	+ 4	−43	− 8	+27	−10	+10	−19	−18	+25	+ 2	0	−0.75
91682	18 41 47.56	−27 26 41.4	8.30	G	280.448 158 67	−27.444 837 75	1.20	−2.40	− 3.47	1.12	0.65	1.38	1.64	0.98	− 5	− 5	−22	−20	+15	−47	− 6	−66	+38	−36	0	−0.99
91683	18 41 48.49	−62 46 28.1	8.97	H	280.452 022 77	−62.774 459 32	4.54	−2.11	−16.04	0.87	0.84	1.39	1.27	0.92	−49	+ 6	−27	+31	−24	− 2	−20	+21	−13	−25	0	0.64
91684	18 41 49.30	−26 17 44.3	8.92	H	280.455 412 20	−26.295 626 77	9.32	79.27	−11.62	1.19	0.66	1.25	1.44	0.89	− 3	−26	− 3	+12	− 1	−13	−17	−51	+14	−26	0	−0.13
91685	18 41 49.65	+12 15 20.1	7.33	H	280.456 863 90	+12.255 586 49	3.67	14.22	− 2.39	0.77	0.55	0.85	0.90	0.67	+11	−26	−13	+11	+30	− 3	+23	− 2	+23	+14	6	0.11
91686	18 41 50.29	−24 21 15.0	7.60	G	280.459 555 94	−24.354 167 81	9.17	48.36	− 1.82	1.04	0.49	1.07	1.33	0.75	−10	−21	−15	+36	+ 5	+ 0	−17	−38	+30	−36	0	1.52
91687	18 41 50.89	+40 00 56.4	9.61	H	280.462 031 62	+40.015 656 08	5.65	−15.15	−19.20	0.85	1.01	1.05	0.88	1.45	+ 5	−10	− 2	+ 5	+11	+ 9	+16	+42	+ 8	+ 1	0	−0.60
91688	18 41 51.01	−59 25 48.8	9.27	H	280.462 526 90	−59.430 218 13	8.05	− 5.11	−90.80	1.46	1.13	1.66	1.91	1.34	+10	−33	−15	−22	−17	− 3	−21	−35	+20	+ 5	10	2.43
91689	18 41 51.61	−23 50 00.1	6.22	G	280.465 042 86	−23.833 354 57	15.71	30.77	−28.05	0.97	0.44	1.02	1.07	0.62	−15	−52	−15	+21	+16	− 2	−16	−38	+28	−52	0	0.15
91690	18 41 51.95	−39 40 30.7	8.28	H	280.466 475 45	−39.675 207 52	8.87	61.99	19.34	1.06	0.72	1.19	1.31	0.82	+ 0	−23	−21	−21	+12	−11	+ 2	−51	+ 8	−25	0	−0.53
91691	18 41 52.41	+62 57 41.1	8.64	H	280.468 354 61	+62.961 421 15	1.05	−10.89	11.92	0.72	0.67	0.70	0.84	0.83	+16	−18	+ 7	+ 3	+16	+ 4	+17	+31	− 4	+18	0	0.74
91692	18 41 52.44	−55 18 05.7	8.51	2 H	280.468 479 18	−55.301 573 33	1.26	4.64	− 8.07	0.91	0.70	1.12	1.09	0.83	+ 6	−16	− 3	+19	−24	+ 7	−20	−16	+ 2	+17	2	0.67
91693	18 41 52.57	−53 08 22.7	8.01	H	280.469 039 49	−53.139 640 24	2.67	−35.60	−22.79	0.83	0.64	1.05	0.99	0.80	+ 5	−26	+ 0	+22	−22	+ 2	−23	+13	+16	+27	0	0.20
91694	18 41 53.30	−69 02 00.0	8.60	H	280.472 094 98	−69.033 334 43	1.41	−0.61	−12.89	0.61	0.77	1.12	0.71	0.79	+11	−12	−11	+30	−19	+ 8	−22	−31	− 1	− 1	0	0.03
91695	18 41 53.67	+02 11 52.8	8.56	H	280.473 622 75	+02.198 003 33	1.43	11.64	− 4.73	0.87	0.61	1.04	0.99	0.80	+38	−22	−21	−20	+ 1	+11	+ 3	−28	+10	+26	0	1.21
91696	18 41 54.18	−28 19 28.1	9.63	H	280.475 732 20	−28.324 460 34	5.30	2.79	−27.34	1.69	0.94	1.77	2.32	1.45	+ 7	−30	− 9	+17	−13	−19	−32	−46	+19	−19	0	0.34
91697	18 41 56.38	−04 06 38.4	9.44	3 H	280.484 924 18	−04.110 658 48	0.89	1.04	− 2.60	1.49	0.85	1.61	1.84	1.23	+ 3	−31	− 6	+16	+19	+12	+ 4	−54	+ 3	−21	0	−0.11
91698	18 41 57.83	−19 06 18.2	8.79	H	280.490 953 10	−19.105 066 64	0.37	2.47	0.74	1.26	0.77	1.31	1.48	1.07	−15	−18	−17	− 2

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
91601	11.004	0.051	10.176	0.040		0.746	0.049	T	0.79	0.04	L	10.3470	0.0036	0.027	102		10.30	10.39					1							G
91602	9.976	0.035	9.251	0.030		0.651	0.035	T	0.71	0.03	L	9.3238	0.0018	0.013	49		9.29	9.37		C			1							
91603	10.283	0.031	9.535	0.027		0.669	0.031	T	0.73	0.03	L	9.5856	0.0026	0.025	96		9.55	9.62					1							
91604	12.091	0.147	10.255	0.040		1.527	0.121	T	1.57	0.26	L	10.2785	0.0029	0.032	131		10.22	10.31					1							G
91605	9.709	0.021	8.622	0.014	A	0.865	0.015	G	0.91	0.01	H *	8.6101	0.0020	0.017	119	*	8.58	8.64			18409+3132	I 1	2 C	B	AB	155	9.541	0.037	3.50	0.26	
91606	7.335	0.007	6.198	0.004		0.978	0.006	T	0.96	0.01	L	6.2628	0.0009	0.007	101		6.25	6.28					1							S
91607	9.376	0.016	9.251	0.021		0.121	0.025	T	0.14	0.03	L	9.1033	0.0029	0.021	99		9.07	9.14		D	18409−3507	I 1	1 X	S						G
91608						1.505	0.017	G	2.06	0.00	A	10.6902	0.0053	0.037	60		10.62	10.76					1							G
91609	8.039	0.007	7.678	0.006	*	0.341	0.004	G	0.40	0.01	H *	7.7161	0.0011	0.015	183	*	7.69	7.74			18410+2450	I 1	2 C	S B	AB	300	0.117	0.038	1.01	0.95	S
91610	7.730	0.008	7.712	0.007		0.021	0.010	T	0.04	0.01	L	7.7310	0.0009	0.012	110		7.71	7.75		C			1							S
91611	8.823	0.012	8.316	0.011		0.510	0.015	G	0.58	0.02	H	8.3608	0.0013	0.011	106		8.34	8.38					1							S
91612	9.601	0.022	7.867	0.010		1.446	0.019	T	1.44	0.03	L	7.8394	0.0020	0.015	82		7.82	7.86					1							
91613						1.650	0.420	G	1.63	0.43	J	10.6929	0.0293	0.186	77		10.45	10.96	7.42	P 1 A			1							G
91614	9.831	0.020	9.055	0.017		0.706	0.020	T	0.76	0.02	L	9.1229	0.0019	0.023	144		9.08	9.16					1							
91615	7.667	0.006	7.338	0.007	*	0.312	0.008	T	0.36	0.01	L *	7.3912	0.0010	0.009	108	*	7.38	7.41		D	18411+4416	H 1	2 C	S A	AB	288	0.183	0.012	1.84	0.24	S
91616	11.132	0.060	9.221	0.020		1.500	0.040	G	1.56	0.15	K	9.1181	0.0026	0.022	93		9.08	9.16					1							
91617	11.460	0.084	10.113	0.040		1.142	0.073	T	1.11	0.08	L	10.1984	0.0024	0.025	106		10.16	10.25		C			1							G
91618	8.890	0.014	8.545	0.015		0.334	0.018	T	0.39	0.02	L	8.5551	0.0018	0.014	96		8.53	8.58					1							
91619	9.529	0.017	8.004	0.009		1.282	0.015	T	1.24	0.02	L	8.0238	0.0015	0.015	138		8.00	8.05					1							
91620	9.877	0.034	9.471	0.035		0.396	0.015	G	0.46	0.02	H	9.5857	0.0038	0.019	58		9.54	9.61		C			1							G
91621	9.016	0.013	8.440	0.013		0.516	0.015	G	0.59	0.02	H	8.5138	0.0017	0.014	99		8.49	8.54					1							
91622	9.261	0.017	7.943	0.010		1.119	0.015	T	1.08	0.02	L	7.9920	0.0016	0.012	68		7.97	8.01		C			1							S
91623	9.062	0.020	8.822	0.024		0.229	0.029	T	0.25	0.04	L	8.8339	0.0023	0.010	44		8.82	8.86					1							
91624	11.307	0.109	11.164	0.175		0.500	0.015	G	0.57	0.02	H	10.9956	0.0067	0.041	78		10.90	11.06					1							G
91625	10.574	0.051	9.964	0.050		0.511	0.020	G	0.58	0.02	H	10.1259	0.0034	0.023	57		10.08	10.16		C			1							G
91626	11.861	0.137	10.477	0.065		1.210	0.015	G	1.43	0.02	A	10.6162	0.0031	0.028	80		10.57	10.67		C			1 G							G
91627	9.400	0.017	8.342	0.012		0.918	0.016	T	0.92	0.01	L	8.4163	0.0018	0.015	108		8.39	8.44					1							S
91628	10.292	0.027	9.704	0.026		0.581	0.005	G	0.65	0.01	H	9.7616	0.0027	0.023	118		9.72	9.80		C			1							G
91629	7.330	0.013	7.198	0.014	*	0.127	0.018	T	0.14	0.02	L *	7.1449	0.0013	0.009	80	*	7.13	7.16		D	18412−4210	I 1	2 C	A	AB	114	1.116	0.006	1.15	0.02	S
91630	10.225	0.027	8.250	0.011		1.638	0.023	T	1.66	0.02	L	8.1427	0.0013	0.019	91		8.12	8.17					1							
91631	9.362	0.018	8.827	0.017		0.508	0.015	G	0.58	0.02	H	8.8870	0.0014	0.017	83		8.86	8.92		C			1							
91632	11.653	0.107	10.919	0.086		0.673	0.110	T	0.73	0.09	L	10.9830	0.0061	0.041	86		10.90	11.05					1							G
91633	10.639	0.042	9.151	0.021		1.252	0.037	T	1.21	0.04	L	9.1605	0.0023	0.018	79		9.13	9.20		C			1							
91634											T	11.5682	0.0299	0.228	147		11.26	11.84	0.41	P 1 A			1	S						G
91635	9.388	0.016	8.795	0.015	C	0.540	0.015	G	0.61	0.02	H	7.0305	0.0183	0.334	147	–	6.93	7.92		D	18413+3018	I 2	1 C	F B						G
91636	7.948	0.006	7.025	0.005	*	0.820	0.400	G	0.84	0.01	L *	6.9428	0.0034	0.039	149	–	6.90	7.02		D	18413+3018	I 2	2 C	P B	AB	88	0.216	0.004	0.33	0.14	S G
91637	10.711	0.038	9.477	0.021		1.054	0.034	T	1.02	0.03	L	9.5850	0.0024	0.022	127		9.54	9.62		C			1							
91638	10.658	0.032	9.496	0.020		0.990	0.030	T	1.03	0.03	L	9.5531	0.0020	0.019	115		9.52	9.58		C			1							
91639	10.017	0.027	8.060	0.011		1.623	0.023	T	1.64	0.02	L	8.0255	0.0022	0.014	93		8.00	8.04					1							
91640	8.287	0.010	8.322	0.013		−0.027	0.015	T	−0.01	0.01	L	8.3158	0.0016	0.013	90		8.29	8.34		C			1							S
91641	10.056	0.028	8.343	0.013		1.430	0.024	T	1.42	0.04	L	8.3251	0.0017	0.013	71		8.30	8.34					1							
91642	8.428	0.009	8.342	0.010		0.084	0.013	T	0.10	0.01	L	8.3561	0.0014	0.016	154		8.33	8.39					1							
91643	10.721	0.053	10.321	0.061		0.378	0.075	T	0.44	0.08	L	10.2000	0.0033	0.026	85		10.15	10.24		C			1							G
91644						1.420	0.015	G	1.73	0.02	A	11.3172	0.0058	0.045	79		11.24	11.39		C			1	S						G
91645	7.633	0.007	7.124	0.006		0.506	0.015	G	0.58	0.02	H	7.1593	0.0009	0.009	89		7.15	7.18		C	18413+0433	I 1	1	S						S
91646	9.824	0.020	9.437	0.022		0.378	0.025	T	0.44	0.03	L	9.4994	0.0025	0.020	119		9.47	9.54		C			1							
91647	7.650	0.007	6.646	0.006		0.877	0.007	T	0.89	0.01	L	6.6996	0.0013	0.010	87		6.68	6.71					1							S
91648	9.466	0.012	8.884	0.011	*	0.546	0.012	T	0.62	0.01	L *	8.9096	0.0019	0.024	203	*	8.87	8.95		D	18414−7213	I 1	2 C	A	AS	303	0.366	0.003	0.16	0.03	
91649	8.656	0.012	8.068	0.011		0.573	0.015	G	0.65	0.01	H	8.1268	0.0014	0.011	81		8.11	8.15		C			1							S
91650	10.630	0.044	8.614	0.015		1.670	0.037	T	1.69	0.04	L	8.5489	0.0013	0.016	93		8.52	8.58					1	S						S
91651	10.245	0.026	8.911	0.015		1.132	0.023	T	1.10	0.02	L	8.9972	0.0017	0.016	102		8.97	9.02					1							
91652	10.272	0.040	10.076	0.055		0.168	0.002	G	0.18	0.00	H	10.0903	0.0031	0.024	71		10.03	10.12		C			1	S						G
91653	11.048	0.067	9.415	0.026		1.500	0.040	G	1.50	0.10	R	9.3677	0.0026	0.020	66		9.34	9.40		C			1							
91654	8.495	0.012	8.462	0.015		0.030	0.017	T	0.05	0.01	L	8.4849	0.0020	0.015	75		8.47	8.52		C			1							S
91655	9.360	0.013	7.632	0.006		1.447	0.001	G	1.45	0.02	A	7.6181	0.0011	0.014	128		7.59	7.64					1							
91656	7.897	0.006	7.565	0.008		0.315	0.009	T	0.36	0.01	L	7.6061	0.0008	0.009	107		7.59	7.62					1							S
91657	10.420	0.041	8.896	0.020		1.281	0.036	T	1.24	0.04	L	8.8631	0.0026	0.019	59		8.83	8.90		C			1							
91658	9.050	0.013	8.442	0.012		0.567	0.016	T	0.64	0.01	L	8.4902	0.0014	0.013	119		8.47	8.51					1							
91659	8.095	0.010	6.932	0.006		0.998	0.009	T	0.98	0.01	L	6.9948	0.0010	0.008	68		6.98	7.01		C			1							S
91660	9.196	0.016	9.038	0.020		0.152	0.024	T	0.17	0.03	L	9.1074	0.0022	0.019	92		9.08	9.14		C			1							
91661	8.635	0.013	8.466	0.015		0.162	0.019	T	0.18	0.02	L	8.4898	0.0015	0.013	63		8.47	8.51					1							S
91662	8.066	0.011	6.598	0.005		1.220	0.000	G	1.18	0.00	H	6.6296	0.0011	0.009	74		6.62	6.65		C			1							S
91663	8.525	0.009	8.435	0.011		0.088	0.013	T	0.10	0.01	L	8.4579	0.0015	0.014	118		8.44	8.48		C			1							S
91664	8.600	0.010	8.591	0.013		0.013	0.015	T	0.03	0.01	L	8.6219	0.0015	0.014	105		8.60	8.65		C			1							S
91665	8.229	0.010	6.844	0.005		1.172	0.009	T	1.13	0.01	L	6.8596	0.0009	0.008	91		6.84	6.87					1 G							S
91666	8.263	0.010	7.899	0.009		0.378	0.003	G	0.44	0.00	H	7.9544	0.0007	0.011	119		7.94	7.98		D			1							S
91667	10.135	0.040	8.743	0.022		1.177	0.036	T	1.14	0.03	L	8.7819	0.0023	0.016	54		8.76	8.82		C			1							
91668						1.411	0.001	G	1.70	0.00	I	12.4403	0.0102	0.089	128		12.32	12.60					1							G
91669	9.986	0.028	8.375	0.014		1.349	0.025	T	1.31	0.03	L	8.3340	0.0017	0.013	98		8.31	8.36					1							
91670	8.529	0.010	8.230	0.011		0.282	0.015	G	0.32	0.02	H	8.2734	0.0015	0.011	103		8.26	8.29		C			1							S
91671	7.230	0.006	7.402	0.009		−0.150	0.009	T	−0.15	0.01	L	7.3796	0.0019	0.017	129		7.36	7.41	2.28	P 1 A			1							S
91672	10.048	0.034	9.493	0.031		0.490	0.020	G	0.56	0.02	H	9.5453	0.0023	0.015	68		9.52	9.57		C			1							G
91673	9.145	0.015	7.388	0.008		1.465	0.013	T	1.47	0.02	L	7.3783	0.0011	0.010	102		7.36	7.39		C			1							S
91674	7.023	0.004	6.678	0.005		0.327	0.006	T	0.38	0.01	L	6.7217	0.0009	0.008	126		6.71	6.74		C			1 G							S
91675	6.343	0.003	6.398	0.005		−0.047	0.005	T	−0.03	0.01	L	6.4024	0.0009	0.009	131		6.39	6.42		C			1							S
91676	10.339	0.038	8.539	0.016		1.500	0.031	G	1.53	0.05	I	8.5034	0.0017	0.016	86		8.48	8.53		D			1							
91677	7.368	0.011	6.525	0.007		0.757	0.010	T	0.80	0.01	L	6.5428	0.0010	0.007	40		6.53	6.56					1							S
91678	9.993	0.025	8.844	0.017		0.987	0.024	T	0.97	0.02	L	8.9283	0.0019	0.016	90		8.90	8.95					1							
91679	10.669	0.038	8.999	0.016		1.396	0.033	T	1.37	0.04	L	8.9902	0.0017	0.016	98		8.96	9.01		C			1							
91680	8.372	0.011	8.317	0.013	A	0.600	0.495	G	0.03	0.02	L *	8.3219	0.0016	0.015	126	*	8.30	8.35		D	18418+5108	I 1	2 C	A	AB	92	1.304	0.028	3.05	0.11	S
91681	9.815	0.025	8.436	0.014		1.167	0.022	T	1.13	0.02	L	8.4423	0.0021	0.019	93		8.41	8.48					1							
91682	8.262	0.009	8.298	0.012		−0.017	0.015	G	0.01	0.01	H	8.2964	0.0022	0.015	88		8.26	8.32					1							
91683	10.239	0.025	9.101	0.017		0.979	0.024	T	0.96	0.02	L	9.1323	0.0018	0.018	123		9.11	9.17					1							
91684	9.814	0.020	9.010	0.016		0.711	0.020	T	0.77	0.02	L	9.0574	0.0021	0.018	98		9.04	9.09		C			1							
91685	7.448	0.007	7.336	0.008		0.109	0.010	T	0.12	0.01	L	7.3746	0.0016	0.010	63		7.36	7.39		C			1							S
91686	8.041	0.008	7.618	0.009		0.398	0.001	G	0.46	0.00	H	7.6813	0.0010	0.008	82		7.67	7.70					1							S
91687	10.657	0.052	9.693	0.035		0.847	0.047	T	0.86	0.04	L	9.7686	0.0028	0.023	116		9.73	9.82					1	S						
91688	10.237	0.034	9.366	0.026		0.763	0.033	T	0.80	0.02	L	9.4083	0.0022	0.017	63		9.37	9.44		C			1	S						
91689	6.501	0.004	6.240	0.004		0.231	0.001	G	0.26	0.00	H	6.2848	0.0008	0.006	80		6.28	6.30		C			1							S
91690	9.116	0.019	8.346	0.016		0.685	0.019	T	0.74	0.02	L	8.4189	0.0017	0.016	78		8.39	8.45		C			1							
91691	10.510	0.039	8.784	0.016		1.440	0.033	T	1.44	0.05	L	8.7726	0.0016	0.015	98		8.74	8.80		C			1							
91692	10.680	0.051	8.718	0.018		1.663	0.045	T	2.19	0.10	O	8.5698	0.0040	0.027	81		8.53	8.62		U 2			1							
91693	9.448	0.017	8.165	0.011		1.092	0.016	T	1.05	0.02	L	8.1822	0.0018	0.013	101		8.16	8.20		C			1							
91694	10.133	0.021	8.726	0.011		1.189	0.019	T	1.15	0.02	L	8.7700	0.0016	0.022	201		8.74	8.81		C			1							
91695	8.619	0.009	8.564	0.011		0.056	0.013	T	0.07	0.01	L	8.5852	0.0011	0.012	111		8.56	8.60		D			1							
91696	10.433	0.040	9.744	0.036		0.624	0.041	T	0.69	0.04	L	9.7636	0.0029	0.027	80		9.71	9.81					1							G
91697	11.653	0.096	9.680	0.027		1.810	0.510	G	1.79	0.52	J	9.5410	0.0290	0.288	86		9.00	9.98	19.70	P 1 A			1							G
91698	9.273	0.023	8.840	0.024		0.409	0.031	T	0.48	0.03	L	8.8815	0.0029	0.014	56		8.84	8.90		C			1							
91699						1.579	0.020	G	2.55	0.05	I	11.3174	0.0059	0.051	122		11.24	11.39					1							G
91700	8.866	0.011	8.014	0.008		0.748	0.010	T	0.79	0.01	L	8.0855	0.0013	0.012	118		8.07	8.11		C			1							S

Number	Descriptor: epoch J1991.25					Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V			α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ	α*	π	α*	δ	$\mu_{\alpha*}$	α*	δ	π	μ_δ	$\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag			deg	deg		mas	mas/yr		mas			mas/yr													%	
1 2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
91701	18 42 02.81	−64 19 22.8	8.69		G	280.511 707 91	−64.323 003 69		18.12	28.84	−219.44	0.87	0.76	1.19	1.06	0.83	− 7	−17	−17	+14	− 9	−13	− 9	+ 4	+ 2	+ 4		0	2.03
91702	18 42 04.56	+47 00 57.7	8.95		G	280.519 003 49	+47.016 023 34		3.63	−7.54	−5.69	0.78	0.82	0.89	1.07	0.94	+ 7	+ 9	+15	+13	+ 9	− 7	+ 9	+10	− 5	+23		2	0.64
91703	18 42 04.83	+28 57 29.7	8.65		2 H	280.520 136 99	+28.958 250 94	*	1.56	−4.95	8.95	2.52	3.61	1.80	1.83	2.06	+ 6	− 6	+ 3	+ 5	+ 5	+13	+17	+30	− 9	− 2		14	1.92
91704	18 42 04.99	+11 45 40.5	7.84		G	280.520 780 58	+11.761 249 69		15.10	−52.56	−104.24	0.90	0.67	1.05	1.15	0.87	+20	−14	− 8	+29	+33	+ 5	+24	+11	+41	+32		4	−0.74
91705	18 42 06.24	+04 02 03.7	8.01		H	280.525 995 76	+04.034 369 44		3.83	−1.58	−12.10	0.81	0.57	0.96	0.71	0.60	+25	−39	−22	−26	+ 3	+ 7	+ 1	−32	+13	+19		3	−0.50
91706	18 42 07.91	−04 17 36.5	10.99		3 H	280.532 976 96	−04.293 475 47		4.02	4.75	−4.71	2.00	1.29	2.27	2.30	1.74	+17	−15	+ 8	+ 9	+ 7	+14	− 9	−53	−11	−11		2	−0.81
91707	18 42 08.09	+34 44 46.7	6.49		H	280.533 696 41	+34.746 315 78	A	2.47	−0.17	−3.66	0.84	0.92	0.87	0.86	1.00	+ 1	−11	−10	+ 5	+ 5	−17	+ 8	+31	+ 3	−13		16	3.41
91708	18 42 08.43	+49 23 07.2	7.83		H	280.535 121 96	+49.385 326 44		6.65	−40.43	−40.31	0.58	0.55	0.63	0.64	0.63	− 3	−20	+ 7	+ 4	+12	−12	+11	+14	+ 2	+ 8		0	0.85
91709	18 42 09.61	−69 02 18.3	8.94		H	280.540 062 43	−69.038 412 70		2.48	15.05	−3.70	0.60	0.89	1.24	0.67	0.94	− 6	− 3	−20	+21	−36	+22	−39	− 6	−19	−35		0	−0.29
91710	18 42 09.72	−44 18 32.8	9.98		H	280.540 492 41	−44.309 110 45		7.70	35.78	−40.37	1.38	0.98	1.55	1.72	1.13	+ 8	−24	+ 0	+ 4	+11	+ 0	+12	−24	− 9	+ 8		0	−0.65
91711	18 42 09.76	−64 29 55.5	8.20		H	280.540 661 80	−64.498 737 15		2.35	2.78	−18.60	0.69	0.69	1.06	0.84	0.81	+ 4	− 6	−13	− 5	+12	+ 4	+ 9	− 1	+18	+30		0	1.16
91712	18 42 10.10	+34 44 50.1	8.19		H	280.542 080 83	+34.747 240 81	B	8.76	6.76	−9.43	7.73	8.42	5.32	5.67	6.85	− 2	− 7	− 5	−11	+ 3	−16	+ 6	+17	+ 7	−17		16	3.41
91713	18 42 10.10	−32 22 01.5	7.78		G	280.542 082 84	−32.367 093 49	A	1.24	−3.53	−3.52	1.28	0.73	1.17	1.65	0.97	−17	−36	+ 4	+27	− 1	−10	−13	−18	+ 7	−45		0	−0.57
91714	18 42 10.18	−17 00 39.9	7.14		H	280.542 427 29	−17.011 094 71		2.65	−1.17	−5.29	0.91	0.59	1.04	1.00	0.66	+14	−32	−38	+14	+ 1	− 5	−11	−24	+ 3	−24		2	1.60
91715	18 42 10.37	−41 54 26.5	7.51		H	280.543 223 63	−41.907 359 72		4.72	−92.13	−124.64	0.85	0.54	0.97	1.11	0.73	− 5	−26	− 3	+ 7	+11	+16	+ 6	−23	+22	+ 2		0	−1.06
91716	18 42 10.55	−05 55 38.3	9.68		H	280.543 953 41	−05.927 314 58		−1.29	−0.82	−2.08	1.39	0.85	1.55	1.37	1.06	+12	−37	− 9	−14	+ 4	+ 0	− 6	−55	+ 3	−12		0	0.75
91717	18 42 10.68	+46 25 07.9	8.13		H	280.544 498 54	+46.418 847 39		3.19	4.79	−3.67	0.66	0.67	0.74	0.80	0.77	+14	− 2	+ 1	−16	−10	− 6	−11	− 9	− 4	+31		3	1.21
91718	18 42 11.48	−34 02 24.9	8.60	2	H	280.547 834 70	−34.040 254 14		3.59	−12.07	−23.90	1.20	0.82	1.37	1.82	1.03	−19	+ 7	−10	−16	+33	−34	+27	−58	+16	−30		0	−0.68
91719	18 42 12.59	−36 26 31.3	10.97	2	G	280.552 471 99	−36.442 036 60		13.63	−125.10	39.91	2.16	1.38	2.45	2.65	1.77	+23	−42	− 4	−14	−20	− 2	−17	−57	+ 0	+26		0	−0.64
*91720	18 42 15.21	+88 18 09.7	9.96		G	280.563 388 06	+88.302 681 46		23.29	−91.77	144.88	1.06	1.09	1.29	1.27	1.37	+15	−15	−11	+ 6	+17	−21	+13	− 9	+24	+26		0	1.11
*91721	18 42 14.30	−26 16 46.3	9.40		H	280.559 567 96	−26.279 533 25		7.33	43.74	0.59	1.32	0.72	1.39	1.54	0.96	+ 0	−30	+ 2	+13	− 5	−14	−21	−49	+12	−23		2	−1.50
*91722	18 42 14.29	−23 17 35.0	7.58		H	280.559 533 38	−23.293 044 34		1.70	4.19	−12.13	1.12	0.51	1.14	1.26	0.71	−15	−47	− 8	+29	+ 1	− 6	−23	−28	+26	−43		0	0.59
*91723	18 42 14.36	−81 48 29.1	6.27		H	280.559 838 79	−81.808 072 87		5.89	14.62	−16.78	0.45	0.48	0.60	0.52	0.62	− 7	−26	+18	+ 6	− 6	−10	+ 0	−13	−19	− 4		0	0.87
91724	18 42 15.23	+88 17 59.0	9.87		H																								
*91725	18 42 16.57	−15 51 20.8	8.18	1	H	280.569 048 51	−15.855 780 80		1.65	−4.38	0.68	1.94	1.12	1.68	1.97	1.36	+ 3	−33	−26	−65	+ 9	−11	+ 6	−72	+ 3	− 3		0	1.47
*91726	18 42 16.42	−09 03 09.2	4.70	2	T	280.568 425 53	−09.052 553 57		17.44	7.87	2.02	0.75	0.44	0.80	0.81	0.56	− 5	−32	− 6	+ 7	+ 0	+ 5	+ 1	−27	−14	−20		0	1.16
91727	18 42 16.76	+14 25 58.8	8.86		H	280.569 852 34	+14.433 013 18		11.32	−9.13	−25.99	1.00	0.79	1.32	1.16	0.97	+ 4	−44	−14	−22	− 7	+23	−16	−34	+36	+26		0	0.56
91728	18 42 17.89	−07 20 14.4	6.91	2	H	280.574 539 39	−07.337 321 02	*	1.45	18.58	−0.26	0.82	0.52	0.87	0.79	0.63	+ 8	−28	− 1	−16	+ 4	+ 0	+10	−43	− 5	+15		2	−1.16
91729	18 42 19.99	+36 33 06.4	7.40		H	280.583 302 41	+36.551 767 77		5.18	−9.34	0.77	0.46	0.53	0.61	0.51	0.73	− 4	− 3	−15	+ 8	− 2	− 9	+ 3	+30	− 5	− 7		0	0.22
91730	18 42 20.70	+34 33 26.3	7.86		H	280.586 236 61	+34.557 305 17		3.19	8.50	15.19	0.56	0.67	0.79	0.66	0.83	−10	−11	−10	− 2	+13	−22	+14	+26	+ 6	−22		0	0.89
91731	18 42 20.97	−43 36 24.0	8.17		H	280.587 360 60	−43.606 666 56		4.43	−5.07	−18.89	0.91	0.68	1.05	1.21	0.80	+ 4	− 9	−21	− 1	+17	− 4	+14	−34	+13	+ 1		0	0.48
91732	18 42 22.53	−47 45 39.2	6.60	1	G	280.593 854 84	−47.760 891 40		11.70	−46.04	−30.94	0.73	0.53	0.82	0.97	0.63	− 1	−29	+ 2	− 4	+ 5	− 6	+ 5	−26	− 8	− 8		0	1.01
91733	18 42 22.63	−64 38 34.7	6.35		H	280.594 289 23	−64.642 974 71		4.25	−3.22	−28.75	0.47	0.47	0.73	0.58	0.59	+10	−10	−16	− 5	+14	+ 8	+11	+ 0	+21	+41		0	3.09
91734	18 42 24.18	+28 07 29.6	7.65		H	280.600 742 46	+28.124 896 90		3.39	1.00	−11.00	0.50	0.59	0.76	0.60	0.66	+ 6	−10	− 9	+13	+19	− 1	+19	+27	− 6	− 2		0	−1.02
91735	18 42 24.80	+55 37 34.0	8.13		H	280.603 319 04	+55.626 117 94		5.52	11.90	14.04	0.68	0.64	0.70	0.89	0.85	+ 7	− 6	−21	+24	+ 9	− 2	+11	− 3	+14	+18		2	0.32
91736	18 42 25.45	−20 18 42.9	7.10		G	280.606 022 28	−20.311 914 23		1.98	−5.03	−9.50	0.91	0.50	0.96	1.22	0.81	− 8	−32	+ 0	+20	+ 9	+16	− 1	−28	+15	−15		2	0.77
91737	18 42 25.93	−40 35 47.9	9.21		H	280.608 025 41	−40.596 649 57		6.57	−11.58	2.21	1.23	0.83	1.35	1.72	1.16	− 4	−26	− 6	−21	+10	− 6	+ 7	−48	+14	+ 2		0	−0.08
91738	18 42 26.82	−05 20 27.0	11.21	2	H	280.611 755 34	−05.340 842 31		−3.72	1.44	−0.83	2.17	1.36	2.35	2.19	1.71	− 6	−18	+ 0	−23	+26	+10	+23	−57	− 2	−22		2	2.04
91739	18 42 27.66	+44 16 24.9	8.26		H	280.615 263 90	+44.273 576 31		10.66	−11.74	3.35	0.61	0.65	0.72	0.68	0.83	+ 5	+ 7	+ 0	− 3	− 7	+ 2	− 6	−10	+ 9	+17		0	−1.08
91740	18 42 28.65	−11 06 38.7	9.06		H	280.619 365 66	−11.110 736 41		1.01	1.52	0.82	1.27	0.85	1.51	1.37	1.07	+11	−18	+ 1	− 4	− 8	+13	− 6	−51	−22	+ 5		0	0.25
91741	18 42 29.02	−62 19 31.5	9.13		G	280.620 917 27	−62.325 423 16		−0.94	21.83	−5.60	0.89	0.81	1.41	1.45	0.97	−32	− 1	−15	+17	+ 9	−20	+12	−18	+ 9	− 9		0	0.82
91742	18 42 29.62	−48 26 32.7	9.04		H	280.623 426 31	−48.442 429 50		14.37	18.78	−43.99	1.09	0.88	1.33	1.52	1.08	− 2	−22	−21	− 7	+16	−16	+ 7	−35	+12	−21		0	2.05
91743	18 42 29.89	−01 18 21.4	7.77		H	280.624 543 52	−01.305 946 70		4.59	9.89	1.16	1.07	0.63	1.10	1.08	0.78	−14	+ 9	−21	−58	+24	−16	+25	−53	+ 9	−24		0	−0.79
91744	18 42 30.01	−70 18 11.2	7.25		H	280.625 027 09	−70.303 121 37		5.11	−0.89	−17.78	0.33	0.51	0.70	0.37	0.54	− 4	−14	− 5	+17	− 6	− 7	− 9	−22	−12	−18		0	1.79
91745	18 42 30.19	−44 14 30.2	8.75		G	280.625 777 16	−44.241 729 68		3.29	−8.35	−19.59	1.12	0.79	1.26	1.46	0.94	+ 2	−21	+ 3	+ 2	+19	+ 4	+17	−28	−10	− 2		0	−1.10
91746	18 42 30.76	−35 09 18.6	8.05	1	H	280.628 153 79	−35.155 165 84		3.83	7.98	−26.79	1.07	0.71	1.41	1.49	0.92	−13	+23	−26	−42	+27	−43	+21	−73	+30	−24		3	1.56
91747	18 42 33.46	−38 16 54.7	8.90		H	280.639 404 88	−38.281 849 56		3.55	7.36	−16.53	1.13	0.75	1.30	1.42	0.86	− 5	−30	−15	− 5	+17	−15	+ 6	−44	+ 7	−27		0	−0.50
91748	18 42 33.84	−11 54 05.0	9.83		H	280.640 980 15	−11.901 381 20		2.25	−0.96	−5.91	1.54	0.97	1.74	1.72	1.28	+20	−47	−31	− 1	− 9	+ 4	−17	−43	+ 9	− 6		3	−0.15
91749	18 42 34.19	−43 33 02.1	8.38		H	280.642 448 94	−43.550 582 55		3.92	0.51	−5.48	0.87	0.66	1.03	1.09	0.73	+19	−20	−24	+ 9	+ 6	+ 6	+ 3	−21	+ 9	+10		0	−0.82
91750	18 42 34.78	−26 36 15.1	8.42		H	280.644 906 08	−26.604 184 25		1.95	−10.04	−12.42	1.15	0.62	1.24	1.41	0.92	+11	−21	− 8	+ 0	− 5	−29	−31	−65	+20	−22		0	−1.96
91751	18 42 36.12	−07 04 25.1	6.13		H	280.650 506 19	−07.073 632 39	+	13.43	−6.83	−8.97	0.75	0.60	0.88	0.65	0.51	+21	−34	−13	−16	+ 3	− 7	−11	−18	−12	+ 1		0	1.45
91752	18 42 36.96	+15 11 57.9	6.91		H	280.653 999 14	+15.199 413 73		10.74	−5.99	−11.42	0.69	0.55	0.86	0.82	0.64	− 6	−25	−11	−29	−15	+ 6	−16	−47	+27	+ 9		0	−0.27
91753	18 42 37.26	−30 12 23.4	9.72		H	280.655 244 36	−30.206 505 31		3.13	−29.37	−37.90	1.68	0.92	1.84	2.39	1.53	− 4	−27	−19	+11	+ 1	−12	−21	−55	+34	−29		0	0.82
91754	18 42 37.46	−55 53 23.0	8.20		G	280.656 067 42	−55.889 711 90	A	12.63	−2.77	−28.92	1.89	1.59	1.90	1.87	1.47	+20	− 2	− 2	+21	−24	+ 6	−31	−18	−25	− 2		1	0.58
91755	18 42 37.96	+55 32 21.8	5.03		H	280.658 150 94	+55.539 400 44		8.96	−2.65	23.36	0.47	0.43	0.48	0.56	0.53	+ 2	−19	−16	+ 8	− 7	+ 3	− 4	− 8	+ 3	+16		2	1.34
91756	18 42 38.43	−77 54 45.8	9.15		H	280.660 137 05	−77.912 735 49		6.77	37.89	−33.65	0.65	0.70	0.92	0.66	0.78	−13	−17	− 3	+ 4	− 4	− 5	− 2	− 3	−13	−23		2	−0.44
91757	18 42 38.68	−49 56 20.9	9.49		H	280.661 179 10	−49.939 128 51		3.43	1.80	−18.84	1.12	0.86	1.42	1.39	0.98	+14	−40	−30	− 1	+ 4	− 4	− 6	−26	+11	−21		0	0.85
91758	18 42 39.81	−15 31 18.7	6.95		H	280.665 869 22	−15.521 870 83		6.94	10.01	−42.24	0.84	0.53	0.91	0.89	0.62	+ 2	−39	−21	+ 7	+ 4	+10	+ 6	−20	− 7	−18		2	1.66
91759	18 42 40.94	−29 28 43.0	8.48		H	280.670 603 86	−29.478 603 03		2.09	−1.92	−34.05	1.22	0.70	1.29	1.63	1.04	−24	−15	+15	+ 8	+ 3	−16	+12	−46	+ 4	−10		2	0.62
91760	18 42 41.70	−69 23 13.3	7.85		H	280.673 756 94	−69.387 029 79		4.85	1.44	−4.36	0.49	0.62	0.89	0.57	0.65	+ 2	−11	− 5	+44	−16	− 2	−26	−16	− 4	−20		1	−0.67
91761	18 42 43.27	−29 33 23.8	9.79		G	280.680 294 61	−29.556 604 17		3.55	−27.52	−8.78	1.73	1.04	1.95	2.40	1.65	+ 4	−15	+ 0	− 5	−19	−16	−16	−58	+17	+13		0	0.22
91762	18 42 43.50	−53 58 59.3	8.56		H	280.681 248 38	−53.983 149 91		4.08	−1.19	−15.81	0.92	0.74	1.17	1.05	0.79	+ 9	−17	− 8	+28	−34	+12	−30	+ 8	+10	+19		0	−0.82
91763	18 42 44.38	−72 29 02.6	8.99		H	280.684 932 84	−72.484 047 32		4.06	−9.27	11.17	0.70	0.82	1.19	0.70	0.91	+ 0	−18	+ 7	+27	− 6	−12	− 5	−16	− 9	− 2		2	−0.08
91764	18 42 44.72	+14 50 32.2	7.23		H	280.686 343 83	+14.842 283 89		5.97	−2.22	12.53	0.65	0.54	0.86	0.76	0.62	− 2	−35	− 3	−33	−10	+14	−16	−44	+30	+22		0	−1.74
91765	18 42 45.40	+70 34 07.2	7.85		H	280.689 165 26	+70.568 663 80		2.32	5.22	4.77	0.60	0.53	0.58	0.63	0.64	+14	−15	− 1	−47	−17	− 5	−21	−17	+16	+14		0	2.23
91766	18 42 45.89	+05 41 15.2	7.62		H	280.691 196 35	+05.687 555 07		16.92	−34.78	−56.72	0.76	0.56	0.93	0.83	0.70	+ 5	−14	−22	−17	+18	+20	+25	−16	+ 8	− 5		0	−1.06
91767	18 42 46.58	−48 11 04.9	10.16		H	280.694 074 22	−48.184 695 53		4.77	32.89	−24.23	1.49	1.11	1.66	2.02	1.34	+ 7	−22	− 6	−14	+ 4	−16	+ 3	−36	− 2	+ 7		0	0.78
91768	18 42 48.22	+59 37 33.7	8.94		G	280.700 905 82	+59.626 015 93	A	280.28	−1326.88	1802.12	3.31	3.13	2.57	3.10	3.58	− 3	+ 0	−14	+18	+ 3	+19	+ 8	+25	−16	− 8		9	2.87
91769	18 42 48.37	+75 52 49.3	9.15		H	280.701 521 72	+75.880 363 45		2.57	3.92	−14.42	1.05	0.83	0.96	0.92	1.06	+ 6	−33	− 8	−44	+ 5	+ 5	+11	−10	−12	+ 4		0	−1.27
91770	18 42 48.41	+20 40 39.6	8.00		H	280.701 709 31	+20.677 677 78		1.68	3.89	1.42	0.63	0.68	1.04	0.83	0.83	+ 0	−14	−20	+40	−17	+14	−13	− 3	+18	+ 6		0	0.26
*91771	18 42 48.60	−54 28 51.0	8.45		H	280.702 482 97	−54.480 822 76		2.39	18.73	28.53	0.93	0.75	1.22	1.01	0.77	+16	−30	−26	+27	−30	+ 2	−28	+ 3	− 1	+ 5		0	−0.46
*91772	18 42 48.51	+59 37 20.5	9.70		G	280.702 123 90	+59.622 360 64	B	284.48	−1393.20	1845.73	12.91	15.95	5.01	11.50	12.02	+ 0	− 4	−11	+18	+ 3	+21	+ 6	+25	−17	− 6		9	2.87
91773	18 42 49.32	+57 51 54.6	7.94	2	H	280.705 484 17	+57.865 174 63		16.18	124.90	15.31	0.61	0.52	0.60	0.67	0.58	+ 2	− 5	− 8	+ 5	+15	− 2	+17	− 6	+ 5	+21		1	−1.77
91774	18 42 50.00	+36 57 30.9	7.97	2	H	280.708 336 77	+36.958 578 63		0.73	6.46	0.28	0.61	0.61	0.76	0.69	0.86	− 2	+ 8	− 7	+ 3	− 4	−18	− 7	+10	+ 5	− 5		0	−0.65
91775	18 42 50.61	+47 34 30.5	6.95		H	280.710 865 50	+47.575 143 61		13.91	32.89	35.21	0.52	0.54	0.59	0.58	0.59	−10	−11	+13	− 3	+ 3	−15	+ 5	− 8	− 2	− 1		3	1.38
91776	18 42 52.07	+28 18 10.1	7.69		H	280.716 977 68	+28.302 795 22		3.27	−8.12	−5.17	0.52	0.58	0.77	0.60	0.66	+ 7	−16	− 6	+14	+20	− 3	+20	+26	− 5	− 2		0	−0.70
91777	18 42 53.14	−39 17 08.4	7.01	1	G	280.721 434 80	−39.285 654 49	*	2.02	3.32	−8.93	0.82	0.51	0.92	0.92	0.58	+ 5	−41	− 9	−11	+ 0	+ 3	− 2	−45	− 6	−14		0	−0.03
91778	18 42 53.89	+13 49 23.2	9.81		H	280.724 550 94	+13.823 097 86		9.02	−69.16	−51.04	1.61	1.18	1.73	2.04	1.65	+27	−19	−10	−24	− 6	+ 0	− 6	−25	+ 6	+31		0	0.22
91779	18 42 54.22	+13 34 00.3	7.68		G	280.725 899 81	+13.566 751 26		5.19	5.47	−13.35	0.89	0.65	1.02	1.04	0.76	+ 8	−33	−25	− 3	+14	− 5	+ 4	−13	+22	+11		2	2.72
91780	18 42 54.86	+58 45 41.1	10.12		H	280.728 598 41	+58.761 409 07		14.03	−93.45	−133.11	0.99	0.93	1.05	1.15	1.16	+ 5	+ 7	− 6	+14	+22	+14	+20	+ 2	− 4	− 1		2	1.45
91781	18 42 55.11	−19 17 02.9	6.32	2	H	280.729 612 69	−19.284 128 31		2.67	−12.59	−33.33	1.01	0.58	1.01	1.15	0.89	−37	−12	−21	−13	+29	−14	+35	−58	+28	−20		0	0.89
91782	18 42 55.43	+44 55 31.1	7.17		G	280.730 959 62	+44.925 304 85	A	8.09	−14.07	−21.54	1.41	1.50	1.26	1.35	1.89	+17	+ 2	+ 1	−23	− 4	− 9	− 3	+ 4	+20	+17		4	0.99
91783	18 42 55.78	+44 55 56.5	8.99		H	280.732 397 66	+44.932 373 03	B	7.39	−12.83	−21.27	10.38	12.64	6.57	7.02	11.26	+15	− 4	− 8	−17	− 3	−15	− 7	+11	+ 7	+17		4	0.99
91784	18 42 56.30	+55 27 04.3	7.45		H	280.734 588 06	+55.451 193 51		4.90	−2.61	28.27	0.58	0.55	0.60	0.70	0.73	− 4	− 4	−19	+21	+11	+22	−12	+14	+ 2		0	1.72
91785	18 42 57.27	−05 49 15.2	9.59	3	T	280.738 641 11	−05.820 898 01	*	1.14	2.57	−0.86	2.00	1.12	1.66	1.98	1.47	+13	−17	+ 6	−41	−13	+11	−13	−66	−11	+21		4	0.07
91786	18 42 58.56	−51 12 55.0	9.34		H	280.744 017 73	−51.215 281 08		20.63	52.47	−33.45	1.37	1.05	1.69	1.63	1.13	+37	−18	− 4	+ 1	−44	−15	−39	−29	− 4	+44		0	−1.03
91788	18 42 58.89	−09 59 28.5	9.04		G	280.745 371 09	−09.991 240 11		1.22	0.97	−1.23	1.23	0.67	1.30	1.60	0.94	+ 4	−23	−15	+19	+ 9	+14	− 4	−35	+ 3	−27		0	2.24
91789	18 43 01.13	+29 48 28.3	8.20	2	H	280.754 713 12	+29.807 871 65		4.43	11.28	−3.01	0.61	0.66	0.86	0.77	0.77	+ 1	− 7	+ 6	+20	+17	− 7	+17	+25	− 9	+ 2		0	0.15
91790	18 43 01.51	+31 08 08.2	7.91	2	G	280.756 286 04	+31.135 610 40		3.82	1.06	−5.34	0.54	0.55	0.75	0.63	0.64	− 3	−10	+11	+36	+12	−20	+16	+21	− 6	+ 0		0	1.62
91791	18 43 01.85	−32 44 58.1	8.08		G	280.757 699 91	−32.749 466 06		5.24	0.11	−49.25	1.12	0.62	1.18	1.80	0.98	−22	−25	− 4	+13	+21	− 3	− 1	−40	+ 8	−58		0	−0.53
91792	18 43 02.13	−71 25 39.8	4.01		G	280.758 890 95	−71.427 728 67		15.55	1.25	−158.29	0.32	0.40	0.55	0.36	0.40	−10	−22	− 1	+11	− 9	+ 1	− 7	−21	−16	−19		1	0.06
91793	18 43 02.29	+32 00 49.1	8.30	2	H	280.759 522 89	+32.013 640 43		0.06	−5.78	−5.79	0.60	0.73	0.93	0.74	0.87	− 4	−13	+11	+ 0	− 5	−25	− 3	+ 7	+ 1	− 3		0	0.30
91794	18 43 02.44	+33 17 37.4	11.73		H	280.760 186 16	+33.293 713 80		10.63	107.08	196.99	1.84	2.35	2.56	2.01	3.08	+17	+ 2	− 8	+13	+ 0	− 4	− 1	+ 8	− 7	+20		0	0.21
91795	18 43 03.17	−78 03 58.5	6.77		H	280.763 202 13	−78.066 263 01	A	6.78	21.85	1.62	0.59	0.81	0.70	0.50	0.60	−19	−10	− 6	− 5	+ 1	+ 1	+ 0	− 8	−14	−24		3	0.83
91796	18 43 03.55	−09 10 11.4	8.44		H	280.764 772 24	−09.169 829 48		4.27	2.93	−7.40	1.16	0.66	1.24	1.15	0.86	+10	−40	−15	+ 0	− 1	+ 2	+ 3	−38	+12	+25		0	0.56
91797	18 43 04.52	−52 28 07.6	8.23		H	280.768 849 05	−52.468 780 00		4.75	11.48	−30.93	0.85	0.63	1.08	0.98	0.77	+10	−28	−14	+16	−40	+15	−39	− 2	+20	+33		2	1.63
91798	18 43 05.18	+18 04 40.5	8.14		H	280.771 566 36	+18.077 924 79	

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
91701	9.588	0.018	8.745	0.014		0.678	0.002	G	0.74	0.00	H	8.8326	0.0023	0.018	113		8.80	8.86		C			1							
91702	10.356	0.037	9.032	0.020		1.070	0.015	G	1.03	0.01	I	9.0998	0.0020	0.021	97		9.07	9.14					1							
91703	11.183	0.053	9.736	0.025	*	1.220	0.046	T	1.18	0.04	L	* 8.7990	0.0217	0.169	137	*	8.46	8.92		U 2	18421+2857	H 1	2 C B	AB	97	0.209	0.010	0.19	0.14	W
91704	8.531	0.012	7.877	0.011		0.626	0.015	G	0.69	0.01	H	7.9540	0.0013	0.013	66		7.93	7.97		D			1							S
91705	8.107	0.008	8.019	0.010		0.086	0.012	T	0.10	0.01	L	8.0500	0.0012	0.010	94		8.03	8.07		C			1							
91706											T	11.1428	0.0554	0.275	82		10.52	11.36	11.05	P 1 A			1							G
91707	6.310	0.004	6.445	0.004	A	−0.116	0.005	T	−0.10	0.01	L	6.4518	0.0090	0.022	130	A	6.39	6.47		D	18422+3445	I 2	1 C P A							S
91708	9.418	0.016	7.958	0.009		1.230	0.014	T	1.19	0.01	L	7.9975	0.0016	0.015	113		7.98	8.02					1							S
91709	9.194	0.012	8.919	0.013		0.259	0.018	T	0.29	0.02	L	9.0145	0.0016	0.022	198		8.98	9.05					1							
91710	10.712	0.052	9.992	0.045		0.648	0.052	T	0.71	0.05	L	10.1083	0.0022	0.024	75		10.07	10.16		D			1							G
91711	10.064	0.027	8.347	0.013		1.433	0.024	T	1.42	0.04	L	8.3421	0.0022	0.020	143		8.31	8.38					1							
91712	7.948	0.011	7.990	0.012	B	−0.043	0.008	G	−0.02	0.01	H	8.0810	0.0299			B				D	18422+3445	I 2	1 C I A							S
91713	7.667	0.009	7.759	0.011	*	−0.076	0.016	G	−0.06	0.02	H	* 7.7547	0.0020	0.013	75	*	7.73	7.78		C	18422−3222	I 1	2 C A	AB	10	0.783	0.019	3.63	0.09	S
91714	9.374	0.025	7.342	0.010		1.683	0.021	T	1.71	0.02	L	7.2481	0.0024	0.012	55		7.23	7.26					1							S
91715	8.717	0.014	7.617	0.010		0.950	0.013	T	0.94	0.01	L	7.6688	0.0016	0.010	79		7.65	7.69					1							S
91716	11.461	0.088	9.854	0.033		1.350	0.059	G	1.32	0.07	I	9.8050	0.0027	0.021	97		9.77	9.84		C			1							G
91717	9.641	0.019	8.257	0.011		1.171	0.017	T	1.13	0.01	L	8.2998	0.0018	0.014	104		8.28	8.33		C			1							
91718	9.195	0.013	8.671	0.013		0.501	0.014	T	0.57	0.01	L	8.7073	0.0032	0.049	106		8.68	9.00	1.70	P 1 A			1							
91719						0.945	0.005	G	0.99	0.01	I	11.1322	0.0063	0.045	90		11.03	11.19		U			1							G
91720	11.266	0.057	9.851	0.027		1.060	0.020	G	1.12	0.03	I	9.9310	0.0035	0.029	115		9.86	10.00		D	18422+8818	I 2	1 S							G
91721	10.201	0.029	9.493	0.025		0.639	0.029	T	0.70	0.03	L	9.5348	0.0018	0.019	102		9.50	9.57		D	18422−2617	I 1	1 S							
91722	9.923	0.027	7.830	0.010		1.732	0.023	T	1.76	0.02	L	7.6829	0.0016	0.011	78		7.66	7.70					1							
91723	6.131	0.003	6.252	0.004		−0.104	0.004	T	−0.09	0.01	L	6.2353	0.0006	0.008	138		6.22	6.25					1							S
91724											T	10.0003	0.0113	0.135	115		9.91	10.40		D	18422+8818	I 2	S							G
91725	8.398	0.013	8.241	0.015		0.151	0.019	T	0.17	0.02	L	8.2366	0.0056	0.027	41		8.20	8.28		U	18422−1551	I 1	1 S							
91726	5.131	0.013	4.744	0.010		0.358	0.010	G	0.40	0.02	A	4.7879	0.0106	0.061	66		4.70	4.87	0.19	P 1 A	18423−0903	I 1	1 S							S P
91727	9.480	0.019	8.926	0.018		0.519	0.023	T	0.59	0.02	L	8.9714	0.0024	0.020	91		8.94	9.02					1							
91728	9.176	0.015	7.166	0.006	*	1.702	0.013	T	2.61	0.02	O	* 6.9225	0.0038	0.033	87	*	6.84	7.02		U 2	18423−0720	H 1	2 C S D	AB	125	0.128	0.019	0.53	0.50	S D
91729	7.319	0.005	7.393	0.007		−0.063	0.008	T	−0.04	0.01	L	7.3873	0.0011	0.010	126		7.37	7.40					1							S
91730	9.770	0.021	8.012	0.009		1.465	0.018	T	1.47	0.03	L	7.9875	0.0012	0.012	121		7.96	8.01		C			1							
91731	9.463	0.019	8.256	0.012		1.032	0.018	T	1.00	0.01	L	8.3331	0.0019	0.015	81		8.31	8.36					1							
91732	7.166	0.005	6.676	0.006		0.466	0.003	G	0.54	0.00	H	6.7089	0.0021	0.015	75		6.69	6.73		U 2			1							S
91733	6.559	0.004	6.374	0.004		0.153	0.005	G	0.17	0.01	H	6.4072	0.0007	0.008	142		6.39	6.42					1							S
91734	7.605	0.006	7.642	0.007		−0.029	0.008	T	−0.01	0.01	L	7.6488	0.0012	0.014	161		7.63	7.67					1							S
91735	9.478	0.039	8.276	0.025		1.029	0.036	T	1.00	0.03	L	8.2993	0.0016	0.015	93		8.27	8.33		C			1							G
91736	7.293	0.008	7.131	0.008		0.148	0.011	T	0.16	0.01	L	7.1518	0.0016	0.011	64		7.13	7.17		C			1							S
91737	9.637	0.023	9.208	0.024		0.419	0.027	T	0.49	0.03	L	9.3078	0.0024	0.014	75		9.29	9.34		C			1							
91738											T	11.3504	0.0320	0.222	88		10.93	11.49	3.92	P 1 A			1 S							G
91739	9.047	0.013	8.333	0.011		0.657	0.014	T	0.72	0.01	L	8.3934	0.0016	0.015	109		8.37	8.43					1							
91740	9.405	0.025	9.070	0.029		0.318	0.036	T	0.37	0.05	L	9.1386	0.0037	0.017	47		9.12	9.16					1							
91741	10.625	0.033	9.228	0.017		1.140	0.015	G	1.10	0.02	I	9.2778	0.0020	0.018	126		9.25	9.31					1							
91742	10.036	0.031	9.137	0.023		0.784	0.030	T	0.82	0.02	L	9.1818	0.0019	0.015	71		9.16	9.21		C			1							
91743	7.753	0.008	7.754	0.011		0.033	0.015	G	0.05	0.01	H	7.7841	0.0013	0.010	73		7.77	7.81		C			1							S
91744	7.209	0.003	7.238	0.004		−0.024	0.004	T	0.00	0.00	L	7.2493	0.0007	0.011	270		7.23	7.27					1							S
91745	9.198	0.018	8.824	0.019		0.350	0.015	G	0.41	0.02	H	8.8444	0.0019	0.015	74		8.82	8.87		C			1							
91746	10.078	0.028	8.236	0.011		1.532	0.024	T	1.58	0.05	L	8.1649	0.0019	0.016	109		8.14	8.20		U			1							
91747	9.290	0.024	8.911	0.025		0.370	0.030	T	0.43	0.03	L	8.9814	0.0026	0.019	89		8.95	9.01		C			1							
91748	10.341	0.047	9.829	0.049		0.491	0.051	T	0.56	0.05	L	9.9451	0.0023	0.022	50		9.91	9.97		C			1							G
91749	8.425	0.011	8.373	0.014		0.047	0.016	T	0.06	0.01	L	8.4019	0.0013	0.013	81		8.38	8.42		C			1							
91750	9.821	0.025	8.581	0.016		1.058	0.023	T	1.02	0.02	L	8.5876	0.0015	0.012	95		8.57	8.61					1							
91751	7.427	0.006	6.243	0.004		1.006	0.008	G	0.98	0.01	H	6.2915	0.0009	0.006	92		6.28	6.30		C			1 O							S
91752	6.983	0.004	6.916	0.005		0.067	0.006	T	0.08	0.01	L	6.9387	0.0010	0.009	118		6.92	6.96		C			1							S
91753	10.283	0.041	9.838	0.045		0.420	0.056	T	0.49	0.06	L	9.8148	0.0032	0.018	67		9.79	9.86		C			1							G
91754	8.655	0.020	8.095	0.018	*	0.519	0.015	G	0.59	0.02	H	* 8.3111	0.0021	0.015	75	*	8.29	8.34		D	18426−5553	I 1	2 C A	AB	209	2.217	0.008	1.23	0.05	S
91755	4.930	0.002	5.012	0.003		−0.070	0.003	T	−0.05	0.00	L	5.0108	0.0005	0.004	91		5.00	5.02		C	18426+5534	I 1	1							S
91756	9.778	0.015	9.191	0.014		0.549	0.015	T	0.62	0.01	L	9.2647	0.0015	0.021	177		9.22	9.31					1							
91757	9.987	0.028	9.526	0.028		0.448	0.031	T	0.52	0.03	L	9.5930	0.0034	0.019	72		9.55	9.63					1							
91758	8.122	0.012	7.059	0.006		0.921	0.010	T	0.92	0.01	L	7.1063	0.0010	0.006	63		7.10	7.13					1							S
91759	10.229	0.034	8.642	0.016		1.330	0.030	T	1.29	0.04	L	8.6386	0.0027	0.014	77		8.61	8.67					1							
91760	9.130	0.009	7.968	0.006		0.997	0.008	T	0.98	0.01	L	8.0147	0.0012	0.017	241		7.99	8.04					1							
91761	11.507	0.126	9.955	0.047		1.160	0.020	G	1.12	0.02	H	9.9505	0.0033	0.027	72		9.90	9.99		C			1							G
91762	9.923	0.024	8.671	0.015		1.068	0.022	T	1.03	0.02	L	8.7270	0.0022	0.017	99		8.70	8.76		C			1							
91763	10.289	0.021	9.117	0.013		1.005	0.019	T	0.98	0.01	L	9.1584	0.0018	0.025	179		9.12	9.20					1							
91764	7.221	0.005	7.226	0.006		0.000	0.007	T	0.02	0.01	L	7.2353	0.0010	0.009	113		7.21	7.25		C			1							S
91765	7.937	0.007	7.863	0.009		0.073	0.011	T	0.08	0.01	L	7.8830	0.0011	0.010	103		7.86	7.90		C			1							S
91766	8.121	0.010	7.653	0.010		0.451	0.015	G	0.52	0.02	H	7.7175	0.0008	0.010	90		7.70	7.74		D			1							S
91767	10.922	0.056	10.261	0.050		0.603	0.056	T	0.67	0.05	L	10.2908	0.0037	0.029	68		10.25	10.33		C			1							G
91768	10.782	0.092	9.056	0.036	A	1.504	0.008	G	2.10	0.06	I	8.9218	0.0213	0.120	93	A	8.79	9.13		D	18428+5937	I 2	1 C P A							
91769	9.730	0.019	9.212	0.019		0.486	0.024	T	0.56	0.03	L	9.2610	0.0022	0.019	106		9.23	9.29					1							
91770	9.120	0.013	8.101	0.010		0.888	0.012	T	0.89	0.01	L	8.1592	0.0016	0.016	123		8.13	8.19		C			1							S
91771	9.716	0.020	8.572	0.013		0.983	0.019	T	0.96	0.01	L	8.6135	0.0020	0.017	103		8.58	8.63		C			1							
91772	11.705	0.153	9.877	0.048	B	1.561	0.005	G	2.49	0.02	I	9.9964	0.0474			B				D	18428+5937	I 2	1 C I A							
91773	8.729	0.011	8.027	0.010		0.647	0.012	T	0.71	0.01	L	8.0757	0.0020	0.021	107		8.04	8.12		U 2			1							S
91774	12.200	0.189	8.320	0.012		3.080	0.510	G	3.09	0.52	J	7.8554	0.0165	0.142	116		7.70	8.15	186.00	P 1 A			1 S							
91775	7.295	0.007	6.977	0.006		0.302	0.009	T	0.35	0.01	L	7.0288	0.0010	0.009	100		7.01	7.04		C			1							S
91776	7.633	0.005	7.679	0.007		−0.037	0.008	T	−0.01	0.01	L	7.6850	0.0012	0.013	168		7.67	7.71					1							S
91777	6.956	0.005	7.023	0.007	*	−0.062	0.000	G	−0.04	0.00	H	* 7.0072	0.0019	0.016	85	*	6.99	7.03		U 2 C	18429−3917	I 1	2 C S A	AB	159	0.177	0.003	0.18	0.09	S
91778	10.780	0.058	9.931	0.046		0.762	0.056	T	0.80	0.04	L	9.9507	0.0035	0.028	65		9.91	9.99		C			1							G
91779	7.829	0.009	7.686	0.008		0.110	0.020	G	0.12	0.02	H	7.7144	0.0016	0.012	69		7.70	7.73					1							S
91780	10.991	0.045	10.208	0.036		0.711	0.045	T	0.77	0.04	L	10.2602	0.0024	0.027	135		10.21	10.32		C			1 G							G
91781	8.488	0.019	6.613	0.018		1.591	0.022	T	3.42	0.06	O	6.0665	0.0140	0.130	65		5.90	6.29		U 2			1 S							S
91782	8.260	0.011	7.279	0.008	A	0.889	0.011	G	0.89	0.01	H	7.3513	0.0129	0.017	99	A	7.30	7.38		D	18429+4456	I 2	1 C P B							S
91783	9.348	0.017	8.913	0.018	B	0.424	0.020	T	0.49	0.02	L	9.0123	0.0440			B				D	18429+4456	I 2	1 C I B							
91784	8.763	0.022	7.558	0.014		1.031	0.020	T	1.00	0.02	L	7.6163	0.0012	0.009	93		7.60	7.63		C			1							S
91785	11.255	0.077	9.736	0.031		1.277	0.065	T	1.24	0.07	L	9.7594	0.0542	0.365	98		9.17	10.17	12.90	P 1 A			1 V							G
91786	10.362	0.030	9.438	0.022		0.804	0.029	T	0.83	0.02	L	9.4828	0.0029	0.022	100		9.45	9.52					1							
91788	10.168	0.031	9.151	0.022		0.954	0.015	G	0.94	0.01	H	9.1498	0.0021	0.019	83		9.12	9.18		C			1							
91789	10.113	0.023	8.467	0.011		1.402	0.021	T	3.03	0.04	O	8.0952	0.0100	0.098	140		7.97	8.27		U 2 C			1 S							
91790	7.805	0.006	7.874	0.008		−0.080	0.015	G	−0.06	0.02	H	7.8852	0.0021	0.021	132		7.86	7.92		U 2			1							S
91791	8.511	0.013	8.126	0.013		0.389	0.015	G	0.45	0.02	H	8.1585	0.0011	0.012	68		8.13	8.18		C			1							S
91792	5.472	0.002	4.133	0.002		1.134	0.008	G	1.14	0.02	A	4.1674	0.0004	0.005	217		4.16	4.18		C	18430−7125	I 1	1							S
91793	10.585	0.036	8.501	0.012		1.724	0.030	T	1.75	0.03	L	8.4003	0.0024	0.023	144		8.37	8.44		U 2			1							
91794											T	11.8700	0.0053	0.087	118		11.69	11.98					1							G
91795	7.310	0.004	6.823	0.004	*	0.458	0.005	T	0.53	0.01	L	* 6.8763	0.0007	0.010	173	*	6.86	6.89		D	18431−7804	H 1	2 C A	AB	165	0.491	0.008	2.89	0.05	S
91796	9.889	0.028	8.600	0.017		1.180	0.017	G	1.14	0.01	H	8.6038	0.0022	0.016	84		8.58	8.63		C			1							
91797	8.429	0.009	8.254	0.010		0.168	0.013	T	0.18	0.01	L	8.2861	0.0014	0.013	103		8.26	8.30		C			1							S
91798	8.256	0.007	8.154	0.009		0.099	0.011	T	0.11	0.01	L	8.1783	0.0016	0.015	144		8.15	8.21		C			1							S
91799	8.807	0.009	8.738	0.011		0.050	0.015	G	0.06	0.01	H	8.7807	0.0016	0.016	169		8.75	8.81		C			1							
91800	8.726	0.011	8.210	0.010		0.485	0.013	T	0.56	0.01	L	8.2655	0.0016	0.015	109		8.24	8.30					1							

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg		Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)										Soln F1 %	F2
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
*91801	18 43 05.53	+07 42 05.9	8.64	G	280.773 052 98	+07.701 637 70		21.88	131.95	−254.11	1.86	1.41	2.19	1.89	1.68	+10	−25	−28	−38	+10	+ 9	+10	−32	+19	+ 0	0	
*91802 H	18 43 05.45	−66 42 55.9	9.14	H	280.772 692 94	−66.715 541 19	A	6.29	8.36	−2.18	2.12	2.86	3.42	1.90	2.97	+13	− 4	−18	−23	+ 0	+ 3	− 6	− 7	+ 4	+37	1	1.55
91803	18 43 05.98	+07 16 26.6	8.23	H	280.774 925 68	+07.274 063 09		2.88	−5.85	−6.10	0.97	0.71	1.22	0.89	0.79	+23	−51	−31	−26	+ 7	+20	+ 4	−16	+20	+13	0	0.05
91804	18 43 08.43	−28 10 29.9	9.47	H	280.785 106 67	−28.174 966 03		2.18	5.27	−41.53	1.45	0.82	1.54	2.27	1.37	−23	+ 0	− 2	+ 6	+16	−23	+17	−51	+20	−24	0	0.22
91805	18 43 08.62	−45 54 00.8	8.53	G	280.785 924 41	−45.900 234 67		19.61	128.73	−222.09	1.09	0.92	1.54	1.66	1.22	+15	− 8	−35	− 8	+28	−35	+ 6	−49	+40	−20	0	1.08
91806	18 43 09.60	−18 09 34.9	8.93	H	280.790 006 46	−18.159 702 08		3.04	2.01	17.48	1.21	0.75	1.37	1.63	1.09	−11	+ 1	−35	− 8	+18	+ 8	+21	−53	+25	−15	0	1.79
91807	18 43 09.86	−40 42 12.8	8.60	H	280.791 067 91	−40.703 549 13		3.64	14.23	1.48	1.02	0.70	1.18	1.34	0.97	− 5	−20	− 8	− 4	+ 9	− 9	+ 3	−35	+15	−16	4	−2.84
91808	18 43 09.95	−57 29 57.1	9.29	H	280.791 464 83	−57.499 189 83		12.97	−2.76	−4.89	1.23	0.89	1.41	1.38	0.99	−16	−18	−24	+45	−18	+ 8	−14	+11	+14	− 7	5	1.59
91809	18 43 10.16	+24 13 22.6	8.75	H	280.792 344 57	+24.222 950 08		5.18	−1.30	−1.41	0.55	0.73	1.03	0.71	0.83	+ 0	− 9	−11	+19	+27	− 8	+23	+18	+ 4	− 9	0	−0.48
91810	18 43 10.24	−55 00 46.4	8.80	H	280.792 653 65	−55.012 897 39		3.32	4.91	−21.20	0.90	0.70	1.12	0.98	0.75	− 2	−29	− 9	+29	−29	+ 4	−26	+ 4	+ 7	+ 4	0	0.14
91811	18 43 10.34	+70 47 34.3	6.28	H	280.793 097 53	+70.792 861 56		5.34	5.61	−5.30	0.49	0.46	0.50	0.58	0.57	+ 9	−15	− 3	−22	− 2	+ 0	− 5	−13	+18	+20	0	0.96
91812	18 43 10.46	+69 20 59.0	7.99	H	280.793 603 50	+69.349 731 87		13.54	−72.25	−5.01	0.61	0.58	0.63	0.59	0.73	− 2	−14	− 2	−28	+ 0	− 5	− 2	−10	+11	− 2	0	1.37
91813	18 43 10.73	−71 17 18.2	7.73	2 H	280.794 720 47	−71.288 392 12		1.45	1.61	−15.41	0.43	0.62	0.83	0.49	0.66	−19	−17	+12	+13	− 8	− 1	− 6	−20	−15	−24	1	0.80
91814 H	18 43 13.13	+38 22 10.2	8.41	H	280.804 690 18	+38.369 491 11	A	3.12	11.12	−5.00	1.20	1.13	1.00	1.10	1.26	+23	−20	− 2	+10	+ 0	+11	− 1	+16	+ 2	+12	1	−0.99
91815	18 43 13.73	+49 42 59.4	7.88	H	280.807 227 30	+49.716 495 53		2.53	1.16	−33.89	0.61	0.59	0.66	0.64	0.69	+ 4	−23	− 5	+ 9	+ 7	− 8	+ 6	+25	− 3	+10	1	0.28
91816	18 43 14.48	+19 27 59.2	7.28	H	280.810 352 56	+19.466 453 66		8.03	8.00	6.12	0.47	0.54	0.85	0.59	0.76	+ 5	+ 9	−14	+20	−15	+17	−15	+ 7	−13	+ 9	0	0.83
91817	18 43 15.54	+17 28 07.5	9.16	H	280.814 768 90	+17.468 756 48		5.85	24.53	5.52	0.98	0.98	1.28	1.21	1.15	+11	− 7	−33	−36	−23	+26	−16	−43	+24	+31	0	0.60
91818	18 43 15.74	+09 02 28.3	8.19	H	280.815 566 33	+09.041 201 95		19.39	38.81	30.87	0.99	0.73	1.18	0.99	0.83	+36	−25	−16	− 7	+10	− 5	+ 2	−19	+27	+21	0	0.65
91819	18 43 15.89	+50 36 08.8	8.24	H	280.816 212 47	+50.602 435 53		0.92	−0.60	−8.94	0.64	0.56	0.65	0.80	0.73	+ 7	− 8	− 8	+ 5	+10	− 3	+11	+11	− 3	+ 9	0	0.39
91820	18 43 16.57	+39 18 00.3	6.45	G	280.819 046 10	+39.300 082 17		2.40	−0.70	−6.44	0.48	0.55	0.61	0.56	0.88	− 7	+ 4	−12	+17	+ 1	− 8	+ 2	+21	+15	−15	0	2.36
91821	18 43 16.73	+09 58 34.5	8.01	H	280.819 702 20	+09.976 242 39		3.15	1.16	−4.72	0.79	0.64	0.92	0.95	0.82	+16	−22	−11	−13	+11	+ 0	+ 7	− 9	+22	+ 9	2	0.46
91822	18 43 17.95	−01 38 44.3	7.68	H	280.824 772 78	−01.645 628 19		1.62	−0.35	−4.71	1.17	0.69	1.17	1.11	0.84	−14	+27	− 9	−64	+24	−26	+21	−62	− 7	−25	2	−0.49
91823	18 43 18.10	+57 49 07.3	7.64	H	280.825 407 46	+57.818 684 05		12.48	−69.39	−93.40	0.57	0.51	0.57	0.65	0.57	+ 5	− 8	−11	+ 9	+18	− 3	+19	− 2	− 2	+21	1	−1.08
91824	18 43 18.73	+17 29 23.2	7.43	H	280.828 054 86	+17.489 788 44		5.74	4.00	−16.33	0.68	0.64	0.91	0.82	0.74	+ 1	−16	−24	−32	− 5	+28	− 3	−29	+23	+18	2	−0.88
91825	18 43 19.40	+09 09 45.8	8.24	H	280.830 848 85	+09.162 713 38		13.86	88.35	121.98	0.93	0.78	1.13	1.00	0.82	+27	−11	− 1	− 1	+ 8	−11	+ 4	−10	+24	+17	0	−0.80
91826 H	18 43 20.25	−22 24 38.9	7.70	1 G	280.834 364 42	−22.410 802 91	A	1.66	0.91	−5.99	1.84	0.96	1.73	2.24	1.31	+ 8	−15	+ 8	+25	+11	− 6	−25	−40	+22	−55	1	0.53
91827	18 43 21.56	−38 37 39.9	8.38	H	280.839 838 97	−38.627 759 26		7.10	0.95	−8.26	1.00	0.64	1.11	1.26	0.76	− 3	−30	− 2	−10	+12	− 7	+ 6	−48	− 2	−19	2	1.49
91828	18 43 21.77	+35 32 44.2	9.92	H	280.840 695 04	+35.545 600 33	B	2.18	−9.02	23.05	5.83	6.33	4.48	5.30	6.02	+23	− 7	−10	+ 2	+ 1	+ 1	+ 3	+15	− 7	+20	17	1.26
91829	18 43 21.93	+35 32 55.3	8.89	H	280.841 372 13	+35.548 689 93	A	8.58	5.87	14.06	1.99	2.23	1.94	2.20	2.76	+22	− 2	− 3	+ 8	+ 1	+ 1	+ 4	+29	− 5	+16	17	1.26
91830	18 43 22.42	−47 07 17.3	9.27	H	280.843 427 99	−47.121 476 66		1.85	15.24	−27.77	1.27	0.93	1.43	1.78	1.18	+ 7	+ 7	+ 7	− 6	− 5	− 9	− 4	−34	−14	+13	0	−0.88
91831	18 43 22.68	+16 11 35.5	8.24	2 H	280.844 504 98	+16.193 205 50		2.21	3.33	−4.29	0.85	0.85	1.28	0.89	0.91	− 5	−12	−37	−45	−14	+25	− 9	−56	+38	+13	3	1.22
91832 H	18 43 22.96	−52 51 44.3	8.09	2 H	280.845 656 87	−52.862 293 97	A	7.88	1.14	−1.16	2.39	1.87	2.63	2.61	1.81	+ 5	−17	− 2	+20	−31	+ 2	−28	+ 9	+14	+33	9	2.54
91833	18 43 24.08	+23 27 41.2	7.85	H	280.850 338 71	+23.461 433 15		2.23	0.25	−5.36	0.50	0.63	0.95	0.56	0.72	− 6	−11	+ 3	+41	+26	− 2	+18	− 2	+10	−23	0	−1.73
91834	18 43 24.31	+23 06 40.7	7.77	H	280.851 270 91	+23.111 318 52		4.89	−5.00	−24.21	0.47	0.59	0.91	0.53	0.64	+ 7	−16	− 6	+53	+35	−15	+20	+10	+ 7	−24	1	−0.53
91836	18 43 24.74	+68 06 44.7	8.61	H	280.853 095 13	+68.112 421 69		2.93	1.51	−11.96	0.70	0.62	0.69	0.74	0.69	− 5	−20	+ 9	−12	+12	+ 5	+ 8	+ 3	+ 7	+14	1	−0.81
91837 H	18 43 25.45	−55 46 00.8	7.63	G	280.856 061 02	−55.766 892 15	*	16.28	−7.31	−76.43	1.66	0.90	1.06	1.33	0.82	+ 4	+ 0	− 2	+34	−33	+ 4	−26	+ 5	−22	+15	1	0.93
91838	18 43 26.43	+03 47 08.9	7.65	H	280.860 136 11	+03.785 804 88		6.18	−16.73	−41.88	0.76	0.52	0.88	0.66	0.54	+18	−30	−18	−29	+ 0	+ 7	+ 0	−33	+ 8	+ 3	0	−0.49
91839	18 43 26.55	−16 47 05.4	8.02	H	280.860 629 46	−16.784 823 77		5.95	6.96	−0.11	1.05	0.57	1.12	1.03	0.70	+ 0	−42	−14	+ 0	+14	− 5	+ 3	−43	+ 7	−24	2	0.42
91840	18 43 27.66	−47 00 02.9	8.66	H	280.865 254 21	−47.000 808 99		5.29	1.85	−13.19	1.12	0.83	1.25	1.66	1.12	+13	− 8	+12	−16	−13	−10	− 8	−41	−18	+23	0	−2.24
91841	18 43 28.30	+47 42 13.1	9.47	H	280.867 903 13	+47.703 636 65		3.97	7.13	−1.23	0.85	0.89	0.97	0.94	1.09	−14	− 6	− 6	− 6	+12	−18	+13	− 9	− 5	−12	3	0.70
91842 H	18 43 28.56	+12 33 51.8	9.25	H	280.868 979 56	+12.564 382 38	*	0.95	2.58	−5.21	1.21	0.92	1.33	1.48	1.23	+11	−29	− 7	+ 0	+25	+ 2	+24	− 5	+ 5	+11	0	0.84
91843	18 43 29.01	+53 52 18.5	6.18	H	280.870 866 00	+53.871 796 92		2.72	5.71	−12.30	0.47	0.44	0.48	0.49	0.53	+ 9	− 4	− 5	+ 6	− 1	− 3	− 2	+ 8	− 5	+17	0	−1.01
91844	18 43 30.18	−47 09 42.0	8.37	H	280.875 768 61	−47.161 659 52		9.44	26.88	53.65	0.99	0.72	1.12	1.39	0.91	+ 4	−13	− 2	+ 0	− 2	− 3	− 1	−31	− 6	+ 3	0	−0.81
91845	18 43 31.24	−08 16 30.9	4.88	H	280.880 167 51	−08.275 242 99		6.24	21.29	11.58	0.71	0.46	0.82	0.91	0.60	− 6	−31	+ 4	− 8	+ 4	+22	+12	−49	− 1	+ 9	0	0.09
91846 H	18 43 31.29	−33 55 23.6	8.11	H	280.880 369 67	−33.923 212 98	A	6.61	40.06	2.04	2.24	1.53	2.22	3.09	1.73	+ 3	+20	−13	−18	+27	−42	+11	−55	+23	−41	3	0.32
91847	18 43 31.63	−11 20 13.2	6.95	1 H	280.881 779 52	−11.337 008 85		2.80	11.62	−1.27	0.84	0.50	0.91	0.94	0.68	− 5	−16	+ 1	+ 6	+ 5	+11	+12	−49	− 7	+ 3	0	−0.25
91848	18 43 31.85	+25 08 39.9	9.40	H	280.882 725 27	+25.144 427 91		5.58	0.57	−8.74	0.64	0.77	1.09	0.71	0.94	+ 2	−14	−13	+23	+11	+ 0	+10	+ 6	+ 6	− 2	0	3.05
91849	18 43 32.75	−20 55 08.0	7.36	H	280.886 479 01	−20.918 901 17		4.60	10.28	−1.02	0.99	0.51	1.03	1.07	0.71	− 2	−45	− 2	+15	−10	+ 9	−17	−37	+11	− 7	0	−0.24
91850	18 43 33.10	+03 06 30.3	8.39	H	280.887 911 29	+03.108 403 15		7.57	40.05	49.20	0.85	0.64	1.03	0.88	0.73	+23	−20	−13	−22	+ 9	− 1	+ 6	−30	+19	+11	0	−0.28
91851	18 43 34.18	−08 22 05.7	7.06	H	280.892 417 72	−08.368 239 08		2.64	4.11	−11.21	0.84	0.48	0.88	0.78	0.58	+20	−36	− 8	− 4	+ 0	− 3	− 1	−40	+ 6	+18	0	1.09
91852	18 43 36.09	+36 33 23.3	6.04	H	280.900 392 15	+36.556 464 83		7.41	21.54	57.61	0.42	0.45	0.53	0.46	0.63	− 5	− 1	− 4	+ 0	− 1	−15	+ 2	+28	+ 6	−14	0	−1.52
91853	18 43 37.19	−06 53 30.7	9.09	H	280.904 947 02	−06.891 853 29		1.12	3.41	−0.25	1.35	0.80	1.47	1.54	1.14	+24	−25	− 5	+ 3	− 5	+ 5	− 6	−49	+ 7	+23	0	0.66
91854	18 43 37.32	−64 33 04.7	5.76	G	280.905 494 91	−64.551 311 21		7.96	14.53	−46.80	0.48	0.47	0.71	0.59	0.59	+ 7	−14	−17	+ 5	+ 8	+ 6	+ 6	+ 5	+18	+31	0	2.00
91855	18 43 37.37	−01 33 32.4	7.20	1 H	280.905 704 89	−01.559 010 96		3.76	8.27	−4.85	1.02	0.63	1.08	0.99	0.72	+ 1	− 2	−21	−57	+15	−16	+12	−56	+ 1	−31	0	−1.47
91856	18 43 38.12	+24 41 43.9	9.73	2 H	280.908 825 02	+24.695 529 67		2.27	7.22	7.43	0.80	1.03	1.40	0.89	1.12	− 1	−19	− 2	+27	+27	− 1	+26	+17	− 3	+ 2	2	0.50
91857	18 43 38.39	−45 49 25.7	9.05	H	280.909 973 98	−45.823 809 24		17.40	−31.87	−80.69	1.08	0.78	1.27	1.50	1.04	+ 2	−11	+ 8	+ 9	+14	− 4	+14	−23	+ 8	+ 8	0	−1.26
91858 H	18 43 40.20	−24 30 17.6	9.24	H	280.917 514 40	−24.504 875 43	A	1.21	3.72	−3.98	4.30	2.19	2.98	4.81	2.64	−24	−29	+ 5	+10	+ 5	+ 4	− 9	−28	+12	−50	0	−0.87
91859	18 43 40.55	+23 32 07.0	8.79	H	280.918 977 05	+23.535 283 10		3.43	−10.17	−13.36	0.63	0.91	1.37	0.72	1.06	− 3	−14	+ 1	+26	+24	− 6	+22	+14	+ 3	−24	0	0.75
91860	18 43 40.61	−50 09 52.5	9.31	G	280.919 227 48	−50.164 579 03		15.68	−63.26	−177.70	1.35	1.02	1.52	1.73	1.18	+35	−39	−27	−18	−20	− 4	−26	−42	+ 7	+ 3	0	0.02
91861	18 43 41.39	+28 06 40.0	8.21	H	280.922 475 97	+28.111 122 66		3.52	1.82	−30.89	0.63	0.70	0.96	0.73	0.72	+ 3	−23	+13	+21	+17	−13	+16	+18	+ 0	+ 2	0	0.88
91862	18 43 41.87	−40 03 26.8	10.03	G	280.924 438 14	−40.057 446 14		27.75	−79.74	−498.26	1.97	1.25	2.01	2.47	1.65	−18	−33	−10	−47	+26	+ 8	+24	−62	+ 9	−14	0	−0.76
91863	18 43 42.26	+30 24 16.9	8.69	H	280.926 102 87	+30.404 702 87	A	6.71	8.11	8.88	1.73	2.19	2.02	1.91	2.78	− 2	− 4	+10	+25	− 2	− 9	+ 0	+32	+ 6	− 7	3	0.40
91864	18 43 42.74	−22 40 13.0	8.00	G	280.928 067 15	−22.670 287 70		13.96	−36.65	−67.58	1.15	0.49	1.21	1.35	0.76	−13	−46	− 9	+23	+ 6	+ 2	−18	−44	+32	−32	0	1.45
91865	18 43 42.88	−17 32 43.9	8.18	H	280.928 660 77	−17.545 534 74		7.25	10.04	−21.07	0.99	0.60	1.14	1.21	0.87	− 8	+ 1	−32	+ 3	+ 5	+19	+18	−45	+32	+ 9	2	0.56
91866	18 43 43.36	−32 29 20.5	9.21	H	280.930 667 78	−32.489 019 77		6.34	12.28	−0.35	4.02	2.32	4.07	4.28	2.82	−25	−37	+ 4	−11	+ 5	−10	+ 3	−48	+ 6	−22	0	
91867	18 43 43.51	−07 43 52.0	8.33	2 T	280.931 292 39	−07.731 102 30		−1.07	3.00	2.65	1.10	0.67	1.17	1.09	0.85	+22	−21	+ 9	−22	−10	+ 9	− 3	−52	− 4	+33	2	−0.60
91868 H	18 43 43.57	+31 40 54.6	9.13	H	280.931 533 93	+31.681 827 05	A	20.61	−35.71	−41.43	2.12	2.09	2.44	2.30	2.29	− 7	− 9	− 3	+10	+13	−19	+11	+ 6	− 6	+ 0	3	−0.55
91869	18 43 43.80	+30 24 27.1	9.38	H	280.932 499 62	+30.407 527 75	B	9.65	5.32	11.47	16.23	18.38	4.07	3.79	5.21	− 3	+ 2	+11	+11	+ 3	− 9	+ 4	+19	+10	− 5	3	0.40
91870	18 43 45.31	+05 44 14.7	7.90	1 H	280.938 772 17	+05.737 408 94		1.69	−0.66	−5.33	0.87	0.65	1.04	0.93	0.80	− 2	− 2	− 31	−25	+27	+ 0	+32	−20	+21	− 5	0	−0.20
91871	18 43 45.56	−15 16 25.3	8.64	2 H	280.939 841 93	−15.273 705 09		1.87	6.94	−8.79	1.17	0.65	1.20	1.22	0.85	−12	−44	− 8	−10	+ 8	+11	+ 9	−46	+ 1	−13	0	−1.15
91872	18 43 45.64	+10 27 54.7	8.49	H	280.940 164 78	+10.465 187 08		0.98	1.64	−3.39	0.94	0.75	1.05	1.21	0.95	+ 9	−26	− 3	+11	+37	− 7	+29	+14	+17	+21	0	1.09
91873	18 43 46.05	−55 15 11.5	8.84	H	280.941 866 93	−55.253 187 16		12.40	−41.89	−153.50	1.10	0.82	1.35	1.13	0.80	+18	−42	−26	+24	−28	+ 6	−29	− 5	+17	+ 7	4	0.80
91874	18 43 46.87	−40 47 58.2	7.96	G	280.945 277 37	−40.799 492 44		2.86	0.73	− 7.01	0.88	0.62	1.11	1.15	0.85	+ 3	−23	−29	− 4	+23	−13	+ 8	−39	+37	−17	0	0.26
91875	18 43 46.94	−38 19 23.9	5.11	H	280.945 587 95	−38.323 310 62		16.15	1.12	−53.81	0.71	0.45	0.79	0.89	0.53	+ 5	−22	−10	− 4	+ 1	− 7	−11	−47	+ 1	−24	0	−0.86
91876	18 43 47.44	+84 32 35.8	8.91	H	280.947 655 29	+84.543 266 24		11.36	17.57	−43.86	0.67	0.68	0.77	0.77	0.89	+ 5	−34	+10	+ 4	− 8	+ 8	− 4	− 5	−12	+22	0	1.78
91877	18 43 48.69	+06 31 44.3	8.56	H	280.952 876 48	+06.528 961 35		2.86	5.05	7.76	0.95	0.66	1.20	1.01	0.81	+22	−42	−28	− 5	+11	+10	+ 2	−20	+24	− 4	0	−0.09
91878	18 43 49.66	+19 49 02.3	9.48	H	280.956 908 24	+19.817 297 39		4.96	8.55	−13.25	0.77	0.87	1.42	1.08	1.22	+ 2	+10	+ 2	+22	− 4	+18	− 2	−21	− 3	+ 9	0	0.38
91879	18 43 51.20	+24 04 52.4	9.35	G	280.963 327 64	+24.081 209 55		2.69	2.38	− 0.08	0.67	0.87	1.24	0.81	0.99	− 1	− 6	− 9	+23	+23	− 8	+21	+18	+ 7	− 7	1	0.65
91880	18 43 51.22	−06 49 04.8	6.30	H	280.963 404 19	−06.818 011 61		14.36	29.30	−44.08	0.79	0.44	0.87	0.79	0.56	+ 3	−37	−11	− 3	+13	+ 3	+ 2	−45	+ 4	−24	0	2.18
91881	18 43 51.25	+08 37 30.4	7.13	H	280.963 528 26	+08.625 119 33		9.51	4.88	−24.81	0.72	0.54	0.87	0.73	0.61	+15	−31	−19	−11	+13	+ 8	+ 7	− 9	+26	+ 6	0	1.19
91882	18 43 51.49	+10 54 04.1	6.56	H	280.964 554 27	+10.901 143 32		3.23	7.16	− 0.83	0.75	0.57	0.82	1.00	0.70	+ 8	−14	−15	+17	+34	−16	+27	+ 4	+21	+18	2	1.40
91883	18 43 51.61	+31 55 36.9	5.68	H	280.965 059 50	+31.926 919 49		19.27	−33.00	−126.13	0.42	0.43	0.60	0.50	0.50	− 4	−15	+ 4	+ 4	+ 9	−22	+12	+ 9	−17	+ 3	1	0.17
91884	18 43 51.64	−16 56 29.5	7.42	H	280.965 165 94	−16.941 539 35		9.65	3.49	−31.15	0.84	0.48	0.91	0.92	0.63	+ 2	−31	−18	+ 5	+12	+ 1	+ 1	−42	+20	−16	2	0.75
91885	18 43 53.35	+13 11 41.1	8.44	G	280.972 276 53	+13.194 738 15		7.85	27.46	−32.07	1.05	0.73	1.21	1.17	0.88	+26	−44	−27	+ 4	+ 8	+ 1	+ 3	−11	+10	+14	0	2.52
91886 H	18 43 53.55	−00 13 27.8	8.04	H	280.973 126 41	−00.224 387 94	*	3.60	5.03	0.57	1.47	1.38	1.26	1.06	0.88	+50	−11	−27	− 9	−11	+ 4	−17	−39	+11	+30	1	−0.22
91887	18 43 54.38	+47 36 58.7	6.68	H	280.976 568 81	+47.616 303 44		4.09	14.77	−38.96	0.53	0.54	0.59	0.62	0.63	−16	− 1	+ 6	−11	+ 7	−21	+ 9	−26	+10	−14	1	2.52
91888	18 43 55.28	−56 22 35.3	7.93	G	280.980 351 32	−56.376 472 16		5.64	12.05	−54.80	0.88	0.70	1.01	1.00	0.74	+ 2	−13	−16	+20	−32	+17	−29	−16	+ 2	− 1	0	−1.47
91889 H	18 43 55.81	+02 37 17.3	7.95	H	280.982 549 53	+02.621 458 49	A	9.20	−31.90	−59.46	2.26	1.57	1.73	1.73	1.42	+30	−21	−32	−18	− 2	−11	− 8	−31	+19	+45	0	1.51
91890	18 43 56.05	+12 10 07.6	7.32	H	280.983 536 76	+12.168 763 92		5.20	4.69	−21.54	0.81	0.61	0.90	1.02	0.80	+17	−20	− 7	+21	+32	+ 9	+25	+12	+34	+32	5	−1.50
91891	18 43 56.28	+34 31 18.1	7.79	H	280.984 509 29	+34.521 700 38		4.12	1.21	−5.12	0.52	0.58	0.70	0.64	0.81	− 5	− 7	+ 0	+ 7	+ 3	−14	+ 6	+22	+ 2	−18	0	1.15
91892	18 43 57.55	+32 16 04.3	10.99	H	280.989 806 31	+32.267 858 66		11.80	−163.54	70.27	1.33	1.43	1.93	1.54	1.69	− 6	−24	+13	+11	− 6	−23	− 2	+ 0	− 5	+ 2	0	1.58
91893 H	18 43 59.30	+03 20 38.2	8.19	H	280.997 068 99	+03.343 957 55	*	3.45	−4.14	−8.25	1.87	1.59	1.27	1.07	0.86	+ 7	−10	−14	−24	+11	+ 7	+16	−32	+11	+10	1	−0.02
91894	18 44 00.11	−29 19 51.8	10.20	G	281.000 472 19	−29.331 057 38		16.37	−88.71	−171.41	6.32	3.87	6.93	7.45	5.28	− 2	−20	− 1	−14	−13	−23	−12	−50	+11	+ 9	0	
91895	18 44 00.87	−09 18 56.9	10.78	G	281.003 629 22	−09.315 809 74		3.01	−1.18	−10.31	1.90	1.03	2.06	2.29	1.45	+ 6	−21	−10	+13	+ 5	+13	− 4	−49	+10	− 9	0	0.36
91896	18 44 02.70	−69 10 39.1	8.22	2 H	281.011 268 72	−69.177 525 06		0.93	0.37	−1.41	0.56	0.70	1.00	0.67	0.69	− 2	− 3	−10	+39	−19	+11	−23	−15	−15	−21	0	0.53
91897	18 44 03.85	+18 39 38.2	8.61	H	281.016 045 29	+18.660 622 53		3.54	−5.28	−28.14	0.58	0.64	1.11	0.70	0.92	−14	− 1	− 6	+35	−23	+ 3	−23	+10	−13	− 6	1	−1.41
91898	18 44 05.15	+38 31 59.0	6.54	2 H	281.021 465 93	+38.533 046 38		3.05	−8.45	15.19	0.52	0.53	0.63	0.63	0.81	+ 3	−15	−21	+25	+ 4	− 5	+ 1	+11	+14	− 7	0	−0.35
91899	18 44 05.83	−61 27 45.7	8.01	G	281.024 283 64	−61.462 700 44		6.90	−15.11	19.93	0.80	0.65	0.97	0.96	0.72	−11	−28	− 1	+48	−12

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
91801	9.610	0.019	8.730	0.015		0.760	0.015	G	0.80	0.01	H	8.7913	0.0018	0.012	77		8.77	8.81		D	18430+0742	I 1	1 X							
91802	9.164	0.021	8.750	0.021	*	0.391	0.028	T	0.46	0.03	L *	9.2291	0.0025	0.025	177	*	9.18	9.28		D	18431−6643	I 1	2 C A	AB	162	1.773	0.005	0.17	0.02	
91803	8.389	0.010	8.264	0.012		0.121	0.015	T	0.14	0.01	L	8.2761	0.0020	0.016	78		8.25	8.32					1							
91804	10.017	0.030	9.536	0.031		0.465	0.033	T	0.54	0.04	L	9.5678	0.0019	0.020	73		9.53	9.61		C			1							
91805	9.305	0.020	8.608	0.017		0.625	0.003	G	0.69	0.00	H	8.6587	0.0020	0.016	71		8.62	8.69		C			1							
91806	10.685	0.062	9.129	0.028		1.306	0.054	T	1.27	0.06	L	9.0869	0.0020	0.013	69		9.05	9.11					1							
91807	9.026	0.016	8.623	0.017		0.394	0.019	T	0.46	0.02	L	8.6945	0.0030	0.020	83		8.66	8.73					1							
91808	10.168	0.031	9.341	0.025		0.745	0.030	T	0.79	0.02	L	9.4337	0.0021	0.020	76		9.40	9.47		C			1 S							
91809	8.765	0.008	8.736	0.010		0.031	0.012	T	0.05	0.01	L	8.7677	0.0015	0.021	222		8.73	8.80		C			1							
91810	8.921	0.013	8.798	0.015		0.111	0.018	T	0.12	0.02	L	8.8440	0.0020	0.015	92		8.82	8.87		C			1							
91811	7.882	0.008	6.417	0.004		1.234	0.007	T	1.19	0.01	L	6.4436	0.0009	0.007	109		6.43	6.45					1							S
91812	8.636	0.012	8.056	0.011		0.542	0.014	T	0.62	0.01	L	8.1106	0.0013	0.011	93		8.09	8.13		C			1							S
91813	9.861	0.032	7.995	0.014		1.584	0.029	T	2.72	0.04	O	7.7096	0.0041	0.050	218		7.63	7.81		U 2			1 S							S
91814	8.546	0.010	8.436	0.012	*	0.107	0.015	T	0.12	0.02	L *	8.4483	0.0018	0.014	99	*	8.42	8.47		D	18432+3822	H 1	2 C A	AB	47	0.446	0.024	3.13	0.09	
91815	9.652	0.017	8.034	0.009		1.355	0.015	T	1.32	0.02	L	8.0350	0.0016	0.011	112		8.01	8.05					1							
91816	7.303	0.004	7.295	0.006		0.012	0.007	T	0.03	0.01	L	7.2936	0.0011	0.010	141		7.28	7.31		C	18432+1928	I 1	1 S							S
91817	9.627	0.021	9.131	0.021		0.466	0.027	T	0.54	0.03	L	9.2649	0.0030	0.023	103		9.23	9.31					1							
91818	8.926	0.017	8.252	0.015		0.626	0.015	G	0.69	0.01	H	8.3229	0.0013	0.012	58		8.30	8.34					1							
91819	10.384	0.031	8.431	0.012		1.620	0.026	T	1.64	0.03	L	8.3499	0.0019	0.016	107		8.32	8.37					1							
91820	8.552	0.012	6.628	0.006		1.590	0.015	G	1.60	0.09	H	6.5860	0.0011	0.011	110		6.57	6.60			18433+3918	I 1	1							S
91821	9.624	0.021	8.147	0.011		1.244	0.019	T	1.20	0.02	L	8.1672	0.0014	0.011	78		8.15	8.18		C			1							
91822	8.222	0.011	7.792	0.015		0.629	0.015	G	0.70	0.01	H	7.8152	0.0014	0.010	64		7.80	7.84		C			1							S
91823	8.317	0.013	7.692	0.009		0.581	0.014	T	0.65	0.01	L	7.7608	0.0008	0.008	105		7.74	7.77					1							S
91824	7.499	0.007	7.429	0.009		0.069	0.011	T	0.08	0.01	L	7.4539	0.0016	0.013	107		7.44	7.48					1							S
91825	8.827	0.015	8.296	0.014		0.536	0.015	G	0.61	0.02	H	8.3546	0.0018	0.016	62		8.33	8.38					1							
91826	7.957	0.008	7.770	0.011	A	0.229	0.002	G	0.25	0.00	H *	7.7627	0.0025	0.016	82	*	7.74	7.79		U 2	18433−2225	I 1	2 C B	AB	36	1.266	0.025	3.37	0.25	S
91827	8.820	0.018	8.428	0.018		0.371	0.024	T	0.43	0.03	L	8.4703	0.0021	0.015	95		8.45	8.50			18434−3838	I 1	1							
91828	10.133	0.031	9.863	0.038	B	0.257	0.046	T	0.29	0.06	L	10.0089	0.0169			B				D	18433+3532	I 2	1 C I A							
91829	9.169	0.018	8.877	0.019	A	0.278	0.024	T	0.32	0.03	L	8.9653	0.0077	0.040	116	A	8.92	9.05		D	18433+3532	I 2	1 C P A							
91830	9.868	0.024	9.323	0.022		0.517	0.024	T	0.59	0.03	L	9.3782	0.0021	0.022	73		9.34	9.41					1							
91831	8.541	0.008	8.268	0.009		0.260	0.011	T	0.29	0.01	L	8.3061	0.0033	0.029	128		8.26	8.35		U 2			1 S							
91832	8.234	0.011	8.069	0.013	*	0.151	0.016	T	0.17	0.02	L *	8.1426	0.0060	0.055	106	*	8.09	8.25	1.03	P 1 A	18434−5252	I 1	2 C A	AB	75	7.591	0.004	0.33	0.02	S W
91833	9.610	0.013	7.976	0.006		1.367	0.011	T	1.34	0.01	L	8.0029	0.0013	0.018	223		7.97	8.03					1							
91834	9.270	0.010	7.897	0.006		1.162	0.009	T	1.12	0.01	L	7.9366	0.0010	0.014	262		7.91	7.96					1							S
91836	9.868	0.021	8.714	0.014		0.991	0.020	T	0.97	0.02	L	8.7712	0.0017	0.013	102		8.75	8.79		C			1							
91837	8.289	0.012	7.683	0.011	*	0.556	0.015	G	0.63	0.01	H *	7.7307	0.0013	0.010	89	*	7.71	7.75		D	18434−5546	I 1	2 C A	AB	180	0.226	0.006	1.11	0.10	S
91838	7.871	0.008	7.682	0.009		0.181	0.011	T	0.20	0.01	L	7.7151	0.0014	0.010	96		7.70	7.74		C			1							S
91839	8.295	0.012	8.055	0.013		0.224	0.018	T	0.25	0.02	L	8.0925	0.0013	0.012	76		8.07	8.12					1							S
91840	9.061	0.014	8.712	0.015		0.331	0.019	T	0.39	0.03	L	8.7421	0.0034	0.018	70		8.72	8.77					1							
91841	10.686	0.044	9.600	0.028		0.939	0.040	T	0.93	0.03	L	9.6272	0.0026	0.016	96		9.60	9.65		C			1							
91842	11.496	0.101	9.522	0.029	*	1.157	0.218	G	1.12	0.20	R *	9.4166	0.0032	0.023	69	*	9.38	9.45		C	18435+1234	H 1	2 C S B	AB	357	0.125	0.012	0.64	1.02	
91843	6.301	0.003	6.205	0.003		0.094	0.004	T	0.11	0.00	L	6.2221	0.0007	0.005	101		6.21	6.23					1							S
91844	8.882	0.013	8.427	0.013		0.443	0.015	T	0.51	0.02	L	8.4718	0.0014	0.012	77		8.45	8.50					1							
91845	6.327	0.004	5.018	0.003		1.112	0.004	T	1.07	0.00	L	5.0466	0.0007	0.005	86		5.04	5.06		C	18435−0817	I 1	1 G							S
91846	8.786	0.013	8.203	0.012	*	0.546	0.013	T	0.62	0.01	L *	8.2291	0.0024	0.016	83	*	8.20	8.25		D	18435−3355	I 1	2 C A	AB	117	0.685	0.015	2.01	0.05	S
91847	9.413	0.021	7.218	0.008		1.813	0.018	T	1.84	0.02	L	7.0391	0.0024	0.016	76		7.01	7.07		U			1 S							S
91848	9.832	0.018	9.446	0.019		0.365	0.024	T	0.43	0.03	L	9.4803	0.0023	0.026	189		9.44	9.53					1							
91849	8.809	0.012	7.484	0.008		1.125	0.011	T	1.09	0.01	L	7.5307	0.0014	0.009	85		7.51	7.55					1							S
91850	9.668	0.018	8.485	0.012		1.014	0.017	T	0.99	0.01	L	8.5521	0.0017	0.014	101		8.53	8.58		C			1							
91851	8.785	0.015	7.207	0.008		1.323	0.013	T	1.28	0.01	L	7.2087	0.0010	0.010	85		7.19	7.22					1							S
91852	7.384	0.007	6.167	0.004		1.040	0.006	T	1.01	0.01	L	6.2114	0.0006	0.006	127		6.20	6.22		C			1							S
91853	11.659	0.115	9.394	0.025		1.770	0.091	G	1.78	0.13	H	9.1859	0.0020	0.018	97		9.16	9.22		D			1							
91854	6.995	0.004	5.868	0.004		0.967	0.002	G	0.95	0.00	H	5.9273	0.0008	0.008	125		5.91	5.94					1							S
91855	9.659	0.023	7.425	0.009		1.887	0.020	T	2.77	0.03	O	7.1687	0.0028	0.017	61		7.14	7.19		U			1 S							S
91856	10.133	0.019	9.751	0.022		0.362	0.027	T	0.42	0.03	L	9.8197	0.0033	0.040	212		9.75	9.88		U			1 S							G
91857	9.841	0.026	9.137	0.023		0.636	0.026	T	0.70	0.02	L	9.1788	0.0020	0.015	72		9.15	9.21		C			1							
91858	9.898	0.025	9.320	0.024	*	0.543	0.026	T	0.62	0.02	L *	9.3644	0.0019	0.020	95	*	9.33	9.39		D	18437−2430	I 1	2 C A	AB	126	0.421	0.006	0.14	0.03	
91859	10.453	0.024	8.918	0.011		1.289	0.021	T	1.25	0.02	L	8.9476	0.0019	0.025	212		8.91	8.99			18437+2332	I 1	1							
91860	10.181	0.034	9.345	0.027		0.685	0.005	G	0.75	0.01	A	9.4559	0.0030	0.018	69		9.42	9.49		C			1							
91861	9.521	0.015	8.336	0.010		1.015	0.014	T	0.99	0.01	L	8.3801	0.0016	0.018	161		8.35	8.41					1							
91862						1.037	0.035	G	1.09	0.04	I	10.1594	0.0026	0.019	70		10.12	10.19					1							G
91863	8.721	0.014	8.651	0.017	A	0.069	0.020	T	0.08	0.02	L	8.7138	0.0477	0.052	129	A	8.54	8.77		D	18437+3024	I 2	1 C P A							S
91864	8.638	0.012	8.084	0.011		0.544	0.015	G	0.62	0.01	H	8.0886	0.0013	0.011	81		8.07	8.11			18437−2240	I 1	1 S							S
91865	8.400	0.013	8.228	0.015		0.157	0.019	T	0.17	0.02	L	8.2352	0.0020	0.016	75		8.22	8.26					1							
91866	10.956	0.068	9.383	0.028		1.260	0.015	G	1.22	0.02	I	9.3693	0.0023	0.027	73		9.33	9.42		D			1 X S							
91867	9.559	0.019	8.432	0.013		0.970	0.018	T	0.98	0.01	A	8.4875	0.0254	0.192	89		8.11	8.59	3.67	P 1 A			1							
91868	10.528	0.032	9.370	0.020	*	0.994	0.030	T	0.97	0.02	L *	9.2921	0.0022	0.023	133	*	9.25	9.33		D	18437+3141	I 1	2 C A	AB	122	0.908	0.005	0.71	0.02	
91869	9.339	0.017	9.232	0.021	B	0.104	0.025	T	0.12	0.03	L	9.3692	0.0747			B				D	18437+3024	I 2	1 C I A							
91870	9.803	0.023	8.083	0.011		1.435	0.020	T	1.43	0.03	L	8.0428	0.0021	0.018	89		8.01	8.07		U			1							
91871	11.149	0.076	8.878	0.020		1.917	0.065	T	2.88	0.09	O	8.5927	0.0078	0.046	75		8.54	8.67		U 2			1 S							P
91872	8.595	0.012	8.494	0.015		0.098	0.018	T	0.11	0.02	L	8.5290	0.0022	0.015	65		8.51	8.55		C			1							
91873	9.666	0.022	8.910	0.018		0.675	0.022	T	0.73	0.02	L	8.9741	0.0026	0.020	89		8.94	9.00					1							
91874	7.870	0.008	7.931	0.013		−0.073	0.015	G	−0.05	0.02	H	7.9438	0.0017	0.012	82		7.93	7.97					1							S
91875	5.215	0.003	5.128	0.003		0.075	0.002	G	0.09	0.00	H	5.1459	0.0007	0.006	87		5.14	5.16			18438−3819	I 1	1							S
91876	9.459	0.017	8.935	0.016		0.492	0.021	T	0.56	0.02	L	9.0151	0.0017	0.015	123		8.99	9.04					1							
91877	8.592	0.012	8.558	0.015		0.036	0.018	T	0.05	0.01	L	8.5819	0.0023	0.015	75		8.56	8.61					1							
91878	9.905	0.022	9.526	0.023		0.359	0.030	T	0.42	0.03	L	9.5621	0.0023	0.025	121		9.51	9.60					1							
91879	9.379	0.013	9.322	0.016		−0.048	0.015	G	−0.03	0.01	H	9.3555	0.0024	0.029	226		9.31	9.39					1 S							
91880	6.844	0.004	6.347	0.004		0.479	0.004	T	0.55	0.00	L	6.4009	0.0005	0.006	96		6.39	6.41		D			1							S
91881	7.745	0.010	7.194	0.009		0.516	0.012	T	0.59	0.01	L	7.2461	0.0010	0.007	64		7.23	7.26					1							S
91882	8.794	0.016	6.781	0.007		1.668	0.014	T	1.69	0.01	L	6.6696	0.0022	0.013	58		6.65	6.69					1							S
91883	6.101	0.003	5.721	0.003		0.360	0.004	T	0.42	0.00	L	5.7703	0.0005	0.006	140		5.76	5.78		C			1							S
91884	7.721	0.007	7.431	0.008		0.275	0.011	T	0.31	0.01	L	7.4888	0.0016	0.011	81		7.47	7.51					1							S
91885	9.020	0.016	8.510	0.015		0.554	0.015	G	0.63	0.01	H	8.5433	0.0022	0.013	65		8.52	8.57		C			1							
91886	8.165	0.008	8.050	0.009	*	0.111	0.011	T	0.12	0.01	L *	8.0816	0.0017	0.018	115	*	8.06	8.11		D	18439−0013	I 1	2 C A	AB	12	0.263	0.004	0.53	0.08	S
91887	8.467	0.012	6.834	0.006		1.367	0.011	T	1.34	0.01	L	6.8324	0.0010	0.009	107		6.81	6.84					1							S
91888	8.439	0.011	7.980	0.010		0.422	0.001	G	0.49	0.00	H	8.0279	0.0011	0.014	77		8.00	8.05		D			1							S
91889	8.693	0.011	8.021	0.009	*	0.622	0.012	T	0.69	0.01	L *	8.0803	0.0014	0.014	98	*	8.06	8.11		D	18439+0237	I 1	2 C A	AB	63	0.404	0.005	0.69	0.03	S
91890	8.854	0.013	7.451	0.008		1.186	0.012	T	1.15	0.01	L	7.4872	0.0017	0.010	77		7.47	7.50					1							S
91891	7.947	0.007	7.804	0.009		0.138	0.011	T	0.15	0.01	L	7.8438	0.0012	0.011	133		7.82	7.87					1							S
91892	11.859	0.129	10.949	0.095		0.807	0.119	T	0.83	0.09	L	11.1416	0.0051	0.051	133		11.06	11.23					1							G
91893	8.292	0.009	8.222	0.011	*	0.069	0.013	T	0.08	0.01	L *	8.2199	0.0011	0.012	100	*	8.20	8.24		D	18440+0321	I 1	2 C A	AB	117	0.248	0.007	0.97	0.11	
91894	11.357	0.127	10.422	0.095		0.757	0.015	G	0.80	0.01	H	10.3268	0.0059	0.036	71		10.26	10.40			18440−2920	I 1	1 X							G
91895						1.380	0.037	G	1.35	0.04	H	10.7477	0.0030	0.029	90		10.70	10.79					1							G
91896	10.456	0.023	8.416	0.009		1.727	0.020	T	2.03	0.06	O	8.3023	0.0019	0.024	209		8.26	8.35		U 2			1							
91897	10.859	0.042	8.811	0.013		1.696	0.035	T	1.72	0.04	L	8.7185	0.0012	0.015	155		8.69	8.74		C			1							
91898	8.703	0.012	6.756	0.005		1.615	0.010	T	1.64	0.01	L	6.6560	0.0019	0.015	105		6.63	6.70		U 2			1							S
91899	8.380	0.011	8.037	0.012		0.295	0.013	G	0.34	0.02	H	8.0940	0.0016	0.016	92		8.07	8.12		C			1							S
91900	10.912	0.045	9.857	0.028	A						T *	9.8498	0.0032	0.037	160	*	9.79	9.91			18441+2623	H 1	2 C D	AB	284	4.873	0.090	3.91	0.41	G D

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)											Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$		F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr													%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
91901	18 44 07.93	−36 43 05.6	6.31	H	281.033 047 50	−36.718 234 08		9.12	23.95	−41.75	0.74	0.41	0.84	0.77	0.47	− 3	−49	+ 5	+ 5	− 7	+ 9	− 4	−37	−15	−15		0	−2.08
91902	18 44 08.39	+62 59 21.5	8.37	H	281.034 965 32	+62.989 304 04		3.97	3.64	−14.15	0.70	0.62	0.68	0.77	0.70	+ 3	−21	− 3	− 7	+15	+ 4	+14	+ 3	+ 3	+11		1	0.29
91903	18 44 08.77	−19 19 04.4	6.74	H	281.036 558 16	−19.317 882 63		9.08	−11.91	12.01	0.84	0.52	0.87	1.07	0.84	−30	− 2	−25	−23	+25	−10	+28	−62	+33	−23		0	0.99
91904	18 44 09.16	+11 12 55.1	8.60	1 H	281.038 146 75	+11.215 306 97		−0.81	2.14	0.62	1.12	0.81	1.19	1.52	1.07	+39	−23	−17	+38	+36	+ 0	+26	+14	+34	+48		4	−0.89
91905	18 44 09.71	+46 06 49.9	8.56	H	281.040 463 35	+46.113 872 40		27.20	−140.75	161.28	0.57	0.66	0.66	0.75	0.86	+12	− 3	− 2	−21	−19	+ 0	−18	−32	+11	+28		0	0.64
91906	18 44 09.89	+75 59 26.0	10.71	G	281.041 192 58	+75.990 565 30		24.86	−122.50	153.98	1.49	1.33	1.48	1.49	1.72	+13	−39	−15	−30	+ 2	+ 4	+ 5	−17	− 3	+16		3	0.88
91907	18 44 10.34	−58 58 49.5	7.71	H	281.043 091 01	−58.980 426 64		4.79	−1.45	−14.45	0.92	0.71	1.07	1.04	0.77	+ 4	−26	+ 5	+23	−31	−13	−26	−11	+ 8	+15		2	0.48
91908	18 44 11.26	+04 55 34.2	8.27	G	281.046 923 51	+04.926 171 55		7.95	−1.12	−23.51	0.89	0.65	1.16	0.97	0.80	+31	−38	−36	−23	− 6	+33	+12	−10	−13	− 2		0	−0.22
91909	18 44 11.63	+04 50 19.3	9.33	H	281.048 465 35	+04.838 688 36		5.49	−1.88	−6.41	1.06	0.73	1.30	1.25	1.00	+19	−25	−22	−25	+ 0	+33	+13	−18	−16	− 6		0	0.15
91910	18 44 12.79	−01 33 15.5	7.77	2 H	281.053 287 42	−01.554 308 55		1.77	1.98	−5.88	1.18	0.73	1.22	1.10	0.89	+11	− 8	− 7	−58	+ 7	−13	+ 1	− 67	−13	−18		2	0.98
91911	18 44 13.15	−03 47 57.8	11.94	G	281.054 805 51	−03.799 375 13		3.33	3.90	−2.51	3.12	1.91	3.56	3.10	2.36	+ 8	−37	−13	+ 0	+12	+10	+13	−37	− 3	− 2		0	−0.20
91912	18 44 13.96	−74 44 29.5	8.83	H	281.058 173 55	−74.741 536 81		3.07	8.96	−3.41	0.61	0.73	0.97	0.67	0.83	−13	− 5	+ 5	−10	−11	−12	−11	+ 0	− 3	−12		0	0.34
91913	18 44 14.02	+18 11 51.7	8.09	H	281.058 409 95	+18.197 681 28		3.65	−9.41	−33.36	0.61	0.65	1.19	0.75	0.80	−13	−24	− 9	+43	−39	− 6	−35	− 7	+15	− 1		0	−0.31
91914	18 44 14.41	+26 13 51.5	8.20	H	281.060 039 29	+26.230 978 14		1.17	−7.13	9.14	0.57	0.68	0.93	0.69	0.77	+ 0	− 1	+ 6	+13	+22	+ 4	+20	+11	+13	+ 9		1	−1.18
91915 H	18 44 18.27	+61 02 53.1	6.02	G	281.076 105 46	+61.048 096 33	A	8.95	0.12	19.41	0.61	0.53	0.53	0.60	0.59	+ 9	− 1	+ 5	+24	+ 6	+ 8	+ 9	+ 8	−15	+ 9		1	−0.19
91916 H	18 44 18.57	+20 52 17.8	9.67	H	281.077 379 50	+20.871 611 24	A	1.42	1.38	−6.14	2.72	4.01	3.40	2.45	2.88	+14	−10	− 7	+18	− 8	+15	− 7	+ 3	+ 7	+ 6		1	−0.03
91917	18 44 18.64	+22 23 53.3	9.07	H	281.077 659 50	+22.398 149 21		4.04	−11.92	−13.07	0.48	0.83	1.26	0.57	1.03	+26	−11	− 3	+26	+25	+ 1	+26	+24	− 1	+ 0		1	−1.30
91918	18 44 19.36	−35 38 30.9	4.86	1 H	281.080 664 63	−35.641 921 09		7.23	1.21	−26.98	0.80	0.58	1.09	1.22	0.67	−14	− 2	−37	−33	+44	−51	+22	−73	+30	−43		2	2.13
91919 H	18 44 20.34	+39 40 11.9	4.67	G	281.084 738 83	+39.669 976 86	A	20.10	10.55	60.23	0.75	0.79	0.76	0.73	0.85	+ 9	− 8	− 1	− 3	+ 2	+ 2	+ 0	+25	+16	+19		2	2.11
91920	18 44 21.04	+00 32 14.8	10.47	H	281.087 665 30	+00.537 454 24		7.24	−22.75	−22.28	1.49	0.94	1.87	1.53	1.27	+23	−38	−19	−28	+16	+14	+20	−34	+ 3	− 6		0	1.28
91921	18 44 21.18	+61 56 19.4	7.44	H	281.088 249 30	+61.938 722 86		2.10	4.91	−5.78	0.64	0.49	0.57	0.65	0.63	+12	−20	+ 2	− 6	+ 4	+ 8	+ 4	+20	− 5	+16		0	0.29
91922	18 44 21.45	+28 06 05.1	7.16	H	281.089 362 72	+28.101 418 77		7.01	27.49	−9.97	0.48	0.53	0.72	0.59	0.60	+ 5	−15	+ 3	+14	+16	− 4	+14	+11	+ 4	+ 2		0	−2.14
91923	18 44 21.90	−08 20 34.5	9.97	G	281.091 259 91	−08.342 908 33		0.39	1.71	−4.61	1.53	0.84	1.61	1.50	1.09	− 2	−35	+ 7	−10	+ 8	− 1	+15	−49	− 6	+ 8		0	0.62
*91924	18 44 22.57	+75 58 53.6	10.54	H																								
*91925	18 44 22.32	−02 29 21.2	8.17	H	281.093 019 57	−02.489 225 94		1.64	−0.03	2.91	1.01	0.73	1.19	1.07	1.03	+21	+ 3	+14	−31	−11	+ 3	−12	−61	−37	+15		0	0.32
91926 H	18 44 22.78	+39 36 45.3	4.59	G	281.094 899 36	+39.612 595 57	C	20.34	5.83	51.83	0.75	0.82	0.77	0.72	0.92	+15	+ 2	− 8	+ 6	− 4	+ 8	− 2	−12	+13	+22		4	1.54
91927	18 44 23.36	+44 53 23.8	8.13	G	281.097 350 75	+44.889 942 30		3.60	16.52	13.42	0.64	0.70	0.75	0.81	1.04	+11	+ 3	− 3	−12	− 3	+ 7	− 4	− 5	+10	+20		0	−0.59
91928 H	18 44 23.73	−46 57 27.0	8.52	2 G	281.098 857 10	−46.957 490 83	A	−0.09	4.70	−2.71	2.11	1.51	2.09	2.57	1.70	+ 3	−16	+ 5	− 6	+ 9	−11	+ 4	−30	− 8	− 5		8	0.83
91929	18 44 25.17	−13 12 47.6	9.75	2 H	281.104 879 48	−13.213 232 08		−1.45	1.38	−4.98	1.56	0.92	1.86	1.97	1.37	+12	−29	−11	+ 1	− 4	+39	− 1	−42	+19	+24		0	1.24
91930	18 44 26.38	−52 14 49.8	8.58	H	281.109 905 29	−52.247 170 50		4.25	8.01	−0.58	0.92	0.69	1.19	1.02	0.80	+13	−31	+ 2	+11	−45	+ 0	−42	−10	+13	+38		2	1.32
91931	18 44 27.06	−33 27 57.1	9.43	H	281.112 739 46	−33.465 849 72		6.98	3.66	15.18	1.63	1.04	1.68	3.14	1.68	−30	−10	− 8	−18	+41	−17	+20	−65	+14	−65		0	0.26
*91932	18 44 27.90	−77 16 30.0	8.36	H	281.116 269 55	−77.275 011 06		1.98	−0.71	−11.30	0.57	0.63	0.82	0.59	0.65	− 3	−19	− 6	+ 4	− 7	+ 1	− 7	− 9	− 3	−11		0	−0.21
*91933	18 44 27.83	−07 37 06.6	8.39	G	281.115 975 55	−07.618 489 78	A	0.04	3.40	1.57	1.61	0.95	1.60	1.47	1.10	+32	−17	− 5	−17	− 8	+ 6	−10	−57	+13	+26		2	−0.05
91934	18 44 29.19	+27 31 52.9	8.27	H	281.121 606 99	+27.531 364 27		4.79	14.68	17.62	0.66	0.70	0.93	0.87	0.83	+10	− 5	+ 9	+31	+19	+11	+16	+18	+11	+12		3	−1.10
91935	18 44 29.43	+56 46 43.0	8.33	H	281.122 641 81	+56.778 603 56		9.34	22.57	56.80	0.64	0.57	0.63	0.74	0.68	+ 9	−11	+ 0	+27	+13	+ 4	+22	−12	− 1	+32		0	2.27
91936	18 44 30.14	+60 20 56.8	7.12	H	281.125 574 28	+60.349 099 99		3.20	−3.14	−33.79	0.54	0.44	0.49	0.62	0.52	+ 6	− 3	+ 3	+32	+15	− 1	+16	+12	− 6	+ 9		0	0.33
91937	18 44 30.23	+78 23 01.4	9.04	H	281.125 977 30	+78.383 721 75		6.87	−14.77	−28.89	0.68	0.66	0.75	0.76	0.75	+ 1	−15	+21	+26	+ 7	− 1	+11	+13	−28	+ 9		3	−0.26
91938	18 44 30.52	−53 48 06.3	7.21	H	281.127 150 94	−53.801 753 06		4.84	−0.89	−21.34	0.68	0.51	0.83	0.74	0.51	+ 3	−21	− 1	+39	−28	− 5	−22	+ 6	− 7	+ 8		4	0.43
91939	18 44 30.55	−44 38 30.4	9.02	H	281.127 295 91	−44.641 790 25		6.83	31.87	−37.10	1.12	0.80	1.28	1.44	0.99	+10	−24	− 2	− 3	+11	− 1	+12	−27	− 5	+14		0	−1.04
91940	18 44 30.73	+33 59 46.2	7.84	G	281.128 031 07	+33.996 167 78		19.39	13.02	−15.09	0.57	0.63	0.80	0.71	0.88	− 1	− 5	+ 5	+17	− 4	+23	+ 4	+26	+11	− 2		1	0.37
91941	18 44 31.02	+57 17 05.6	7.70	H	281.129 255 76	+57.284 882 17		14.74	20.99	107.73	0.60	0.55	0.60	0.71	0.67	+11	− 9	− 6	+23	+10	+ 3	+20	−15	+10	+36		3	0.16
91942	18 44 31.10	+51 32 55.5	9.32	H	281.129 566 16	+51.548 737 17		3.01	2.08	−17.73	0.75	0.71	0.78	0.86	0.83	+ 8	−17	− 7	+ 4	+18	+ 3	+17	+25	+ 0	+11		1	−0.53
91943	18 44 31.95	+81 03 55.5	8.55	H	281.133 114 46	+81.065 413 97		2.13	4.86	0.73	0.71	0.65	0.75	0.83	0.70	+ 0	−24	+10	− 6	+ 3	− 6	+ 6	−16	−10	+18		1	0.42
91944	18 44 31.97	+07 29 15.9	8.93	H	281.133 217 77	+07.487 746 93		4.91	5.24	−10.13	1.11	0.87	1.36	1.28	1.08	+ 9	−18	−38	−38	+15	− 4	+ 9	−48	+33	− 7		0	1.40
91945	18 44 33.02	+29 10 12.3	11.27	H	281.137 569 38	+29.170 085 29		3.10	1.58	−5.54	1.25	1.48	1.89	1.51	1.84	+ 3	− 7	+ 5	+16	+15	+ 2	+17	+25	− 7	− 5		1	0.88
91946	18 44 33.34	−07 06 38.1	7.82	1 G	281.138 920 01	−07.110 594 23		−1.41	−1.48	−3.64	0.96	0.56	1.05	1.01	0.71	+22	−31	−13	− 2	− 3	+ 8	− 6	−41	+ 4	+11		0	2.64
91947	18 44 34.21	−42 34 37.5	8.33	H	281.142 557 26	−42.577 072 95		2.08	3.10	−10.24	0.94	0.65	1.04	1.19	0.75	+ 1	−18	−21	+11	+ 0	+ 5	− 1	−26	+10	− 3		0	2.18
91948	18 44 34.43	+00 09 49.4	8.25	H	281.143 461 76	+00.163 726 71		3.87	9.06	21.86	0.85	0.57	1.06	0.94	0.76	+33	−22	+ 1	−29	+ 9	+ 8	+12	−34	− 6	+ 1		0	−0.37
91949	18 44 35.20	+43 49 59.8	7.54	G	281.146 685 06	+43.833 279 37		36.70	−106.21	−1.18	0.54	0.64	0.66	0.57	0.87	+14	− 6	+ 1	+ 6	+14	+ 4	+17	+27	−11	+15		0	0.32
91950	18 44 35.30	+64 48 35.6	7.28	H	281.147 098 03	+64.809 884 37		5.04	38.17	75.51	0.51	0.51	0.52	0.55	0.54	− 3	− 5	+ 8	+13	+20	− 6	+21	+ 5	− 2	+ 7		2	1.58
91951	18 44 35.38	+39 04 15.3	7.97	H	281.147 405 78	+39.070 919 19		3.07	2.06	8.44	0.56	0.55	0.69	0.65	0.78	− 5	− 9	−12	+16	+ 7	−13	+ 4	−11	+31	− 7		0	0.53
91952	18 44 37.69	+02 07 15.5	7.89	H	281.157 047 70	+02.120 958 42		2.40	−0.06	−12.04	0.80	0.56	0.97	0.82	0.67	+20	−28	−24	−30	+ 4	+ 5	+ 4	−35	+14	+22		0	1.74
91953	18 44 37.85	−31 24 02.1	8.29	H	281.157 726 63	−31.400 572 06		3.89	0.07	−11.53	1.12	0.59	1.18	1.34	0.79	− 3	−37	−20	+29	− 3	− 2	−19	−24	+22	−28		0	−0.06
91954	18 44 38.21	−20 58 16.3	7.34	H	281.159 216 66	−20.971 197 18		1.63	7.78	15.76	0.96	0.48	0.99	1.05	0.67	− 2	−45	+12	+13	+ 1	+10	−19	−48	− 4	−30		0	−1.08
91955	18 44 38.68	+15 37 59.5	8.28	H	281.161 153 58	+15.633 189 99		8.40	−7.67	−2.78	0.98	0.83	1.22	1.05	0.98	−17	+ 0	−30	−54	− 1	+ 4	− 1	−61	+36	− 1		0	−0.16
91956	18 44 39.43	−41 26 06.8	7.43	H	281.164 301 92	−41.435 210 56		15.54	96.32	−75.44	0.82	0.55	0.97	1.05	0.70	+11	−26	−16	+ 9	+18	− 1	+ 6	−26	+23	− 6		0	−0.40
91957	18 44 40.11	−38 07 42.6	7.85	H	281.167 141 26	−38.128 494 29		10.97	−14.58	−18.70	0.90	0.56	1.01	1.06	0.66	− 1	−23	− 1	− 8	+ 5	− 3	− 2	−50	− 4	−18		0	0.72
91958	18 44 40.29	+23 35 24.3	6.30	H	281.167 856 81	+23.590 091 38		22.52	16.54	−85.61	0.36	0.45	0.69	0.40	0.51	− 6	− 5	− 3	+30	+29	− 9	+23	− 5	+19	−22		0	0.41
91959	18 44 40.56	−36 53 15.4	8.61	H	281.168 991 16	−36.887 609 49		3.54	−3.54	−20.23	1.07	0.63	1.22	1.19	0.73	+ 3	−41	+ 2	+ 1	+ 5	+ 3	+ 3	−41	−11	−10		0	−0.15
91960	18 44 40.84	−06 32 10.1	6.71	2 H	281.170 168 35	−06.536 134 16		1.64	0.23	−1.01	0.86	0.48	0.95	0.84	0.61	+ 7	−42	−13	− 8	+10	+ 3	+ 2	−47	+ 3	−19		0	0.43
91961	18 44 41.05	−10 36 41.2	8.29	G	281.171 043 17	−10.611 442 48		1.01	−1.20	−4.34	1.08	0.64	1.13	1.30	0.91	+21	−18	+ 4	+ 9	+ 2	+ 5	−12	−55	+ 1	− 2		0	0.67
91962	18 44 41.37	−25 22 11.4	8.46	H	281.172 391 73	−25.369 831 87		5.90	0.52	−29.32	1.17	0.63	1.23	1.50	0.88	− 2	−38	− 9	+20	+ 8	−14	−22	−43	+20	−48		0	1.47
91963	18 44 41.53	+18 52 25.6	9.11	H	281.173 044 12	+18.873 770 96		2.13	1.27	−6.29	0.58	0.71	1.09	0.70	1.03	− 1	− 2	−11	+16	−12	− 3	−13	+ 9	−29	+ 8		1	−0.81
91964	18 44 41.65	−59 14 39.3	8.60	H	281.173 527 09	−59.244 257 44		6.14	1.40	−8.55	1.09	0.85	1.18	1.39	0.87	− 9	−14	− 2	+24	−40	−12	−32	−10	+ 9	+ 2		0	1.93
91965	18 44 42.24	−29 58 48.6	7.59	H	281.176 010 22	−29.980 166 02		1.38	4.26	−0.30	0.99	0.56	1.09	1.29	0.85	−13	−25	−17	+10	+ 8	− 8	− 5	−43	+28	−29		0	1.79
91966	18 44 44.09	+16 53 48.4	9.25	H	281.183 725 84	+16.896 766 53		11.65	45.05	14.76	0.97	0.95	1.38	1.16	1.13	+19	−18	−30	−25	−19	+19	−20	−37	+37	+15		0	−1.23
91967 H	18 44 44.45	−25 47 50.6	7.78	G	281.185 199 27	−25.797 396 30	A	17.98	5.64	−118.58	2.06	1.15	1.89	2.41	1.39	+24	−24	−18	+10	+ 7	−15	−22	−41	+34	−24		1	0.57
91968	18 44 44.62	−68 31 46.4	9.09	H	281.185 911 33	−68.529 551 48		6.95	2.90	41.59	0.71	0.79	1.14	0.72	0.89	−12	− 7	−11	−16	−17	+17	−17	− 8	− 9	−17		1	1.16
91969 H	18 44 45.28	+52 00 32.8	9.07	H	281.188 657 29	+52.009 114 83	A	2.04	5.35	9.02	1.91	1.55	1.54	1.90	1.56	+ 3	− 2	− 5	+ 8	+19	+ 1	+17	+14	+22	+ 7		2	0.76
91970	18 44 45.91	+14 25 37.0	9.16	2 H	281.191 284 61	+14.426 936 47		3.58	4.50	4.28	1.21	1.04	1.37	1.78	1.44	+30	−21	+ 4	−16	−10	+11	−11	−24	+15	+53		0	−0.65
91971	18 44 46.34	+37 36 18.2	4.34	H	281.193 066 13	+37.605 050 25		21.23	29.26	26.57	0.44	0.43	0.54	0.50	0.61	− 5	− 5	− 8	+11	− 3	−20	− 4	+19	+ 6	−15		0	−1.19
91972	18 44 47.98	−51 28 33.3	8.82	H	281.199 896 37	−51.475 924 98		2.18	−0.80	−9.61	1.11	0.89	1.39	1.40	1.13	+34	−23	− 5	− 9	−42	− 6	−41	−23	+11	+50		0	−1.70
91973	18 44 48.19	+37 35 40.4	5.73	G	281.200 790 95	+37.594 564 66		21.72	19.23	20.65	0.43	0.44	0.53	0.50	0.60	− 8	− 6	− 7	+11	+ 0	−20	+ 0	+23	+10	−18		0	−0.89
91974	18 44 49.60	−25 00 39.1	5.82	H	281.206 679 81	−25.010 863 35		4.11	−1.21	−20.86	0.88	0.44	0.86	1.13	0.61	−15	−26	−12	+34	+ 1	−11	−27	−34	+17	−55		4	2.23
91975	18 44 49.93	+02 03 36.3	5.02	G	281.208 054 03	+02.060 074 87		6.91	8.80	−15.06	0.65	0.44	0.74	0.72	0.55	+ 7	−29	−20	−23	+12	− 3	+11	−35	+15	+25		0	−1.53
91976	18 44 50.05	−16 04 54.3	8.82	H	281.208 540 19	−16.081 747 92		5.10	6.21	−12.07	1.23	0.64	1.31	1.38	0.85	+ 9	−44	−19	+10	+ 7	+ 8	− 9	−45	+ 8	−24		0	−0.70
91977	18 44 50.09	+26 11 55.8	7.92	H	281.208 720 76	+26.198 838 26		3.70	8.74	4.04	0.50	0.59	0.81	0.60	0.68	− 3	− 6	+ 0	+ 7	+18	− 2	+17	− 2	+ 4	+ 4		2	−1.08
91978 H	18 44 50.80	−33 23 01.6	7.72	H	281.211 653 35	−33.383 769 70	*	7.86	34.67	−47.85	1.98	1.26	1.33	2.82	1.52	−44	+ 1	− 6	−35	+42	−31	+32	−65	+11	−76		2	0.16
91979 H	18 44 51.08	−50 29 26.2	8.70	H	281.212 834 50	−50.490 598 73	A	4.43	−6.97	−11.76	2.40	1.77	1.98	2.42	1.60	+ 1	+11	+ 9	−14	+18	−23	−10	−30	− 3	+15		1	0.37
91980	18 44 51.54	+15 09 47.0	11.12	H	281.214 730 68	+15.163 061 03		16.62	88.28	141.71	2.28	1.94	2.59	2.99	2.75	+20	+ 2	−15	− 9	− 4	+ 8	− 3	−18	+13	+25		0	0.81
91981	18 44 51.72	+81 13 05.5	8.46	H	281.215 490 23	+81.218 196 29		2.14	3.46	−8.00	0.69	0.66	0.75	0.79	0.69	+ 6	−22	+22	− 5	+ 0	−10	+ 6	−19	−13	+26		0	−0.49
91982	18 44 52.62	−14 21 11.2	9.06	H	281.219 256 97	−14.353 116 33		−0.44	−0.19	0.76	1.12	0.65	1.26	1.18	0.84	+10	−30	−14	+ 2	−10	+26	+ 2	−43	+14	+33		0	−0.49
91983	18 44 53.13	+57 05 17.1	8.12	2 H	281.221 377 32	+57.088 085 08		5.25	3.11	5.11	0.59	0.59	0.63	0.67	0.68	+ 9	+ 4	− 1	+20	+11	+ 1	+19	−16	+12	+30		1	1.58
91984	18 44 54.07	+33 11 15.3	7.35	1 H	281.225 300 77	+33.187 572 74		2.62	20.81	−30.16	0.46	0.56	0.69	0.51	0.70	− 2	+ 3	+17	+16	− 2	−18	+ 1	+14	−15	+ 1		0	1.16
91985	18 44 55.39	+54 53 49.9	6.26	H	281.230 792 42	+54.897 188 81		3.37	9.77	−1.94	0.47	0.46	0.49	0.51	0.60	− 1	+ 7	− 8	+20	+ 3	− 8	+ 3	+13	−10	+ 5		3	0.61
*91986	18 44 55.94	−66 56 11.7	9.99	H	281.233 082 75	−66.936 582 87		3.01	3.68	−8.73	0.81	0.85	1.32	0.92	1.07	+ 1	− 5	−19	−38	− 5	+ 4	−11	−22	+17	+33		1	2.69
*91987	18 44 55.91	−00 22 24.2	6.89	H	281.232 972 86	−00.373 391 76		4.32	0.91	−17.35	0.73	0.50	0.81	0.77	0.59	+45	− 4	+ 1	−44	−16	− 4	−19	−53	− 7	+12		0	−0.63
91988 H	18 44 56.72	+22 33 44.0	7.49	H	281.236 349 87	+22.562 223 01	A	4.21	8.34	−15.69	1.24	2.41	1.00	0.60	0.80	+45	− 6	− 2	+28	+ 7	−12	+13	+ 7	+16	−10		1	−0.60
91989	18 44 57.15	−39 41 10.2	5.40	H	281.238 124 44	−39.686 172 92		2.47	8.61	−6.29	0.84	0.48	0.91	0.94	0.61	+10	−49	−15	−14	− 8	+20	−11	−39	+10	+ 0		0	1.80
91990	18 44 57.58	+44 21 32.5	8.32	H	281.239 914 56	+44.359 015 48		8.00	−17.06	−10.93	0.63	0.69	0.77	0.71	0.92	+10	+ 7	− 3	+ 1	+ 6	− 2	+ 7	+11	+19	+15		0	1.33
91991	18 44 58.59	−29 54 41.5	9.29	2 H	281.244 116 10	−29.911 536 94		14.49	23.11	−38.72	1.35	0.76	1.48	1.66	1.15	+ 6	−34	−18	+ 7	− 2	− 5	−16	−47	+26	−10		0	0.16
91992	18 44 59.24	−39 44 58.9	6.75	H	281.246 839 26	−39.749 684 63		16.42	−15.20	−178.22	0.76	0.49	0.83	0.92	0.60	− 1	−26	+ 3	− 5	+ 8	+ 1	+ 8	−37	− 3	− 2		0	1.72
91993	18 45 00.43	−23 38 17.8	8.90	H	281.251 799 64	−23.638 279 84		1.14	5.18	−6.44	1.27	0.64	1.32	1.52	0.92	−12	−28	− 1	+24	− 2	− 3	−18	+39	+24	−26		0	−0.13
91994 H	18 45 00.64	+42 38 37.5	8.60	H	281.252 657 48	+42.643 757 85	*	1.99	−8.73	−17.62	0.67	0.72	0.76	0.67	0.79	+20	+ 9	+18	+27	+22	+ 8	+23	+36	+ 6	+20		0	1.06
91995	18 45 02.65	+13 44 21.1	9.37	H	281.261 031 90	+13.739 191 27		8.54	3.43	−5.02	1.38	0.97	1.54	1.45	1.12	+14	−40	− 5	+ 2	+21	− 2	+11	− 9	+22	+29		0	1.81
91996 H	18 45 03.66	+46 08 07.5	7.82	H	281.265 261 22	+46.135 429 38	A	5.14	3.11	13.46	0.78	0.83	0.81	0.88	0.94	+ 9	−10	−13	+ 3	+ 1	+12	+ 2	−13	+19	+22		0	0.94
91997	18 45 03.73	+35 00 30.3	7.18	H	281.265 541 71	+35.008 417 22		3.85	5.02	−1.47	0.48	0.60	0.62	0.58	0.70

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
91901	7.572	0.007	6.416	0.004		0.980	0.000	G	0.96	0.00	H	6.4734	0.0009	0.007	106		6.46	6.49					1							S
91902	8.507	0.011	8.407	0.013		0.158	0.015	G	0.17	0.01	H	8.4273	0.0016	0.014	103		8.40	8.45		C			1							
91903	7.222	0.006	6.790	0.005		0.428	0.015	G	0.50	0.02	H	6.8375	0.0009	0.006	85		6.83	6.85					1							S
91904	8.615	0.016	8.600	0.020		0.029	0.002	G	0.05	0.00	H	8.6145	0.0043	0.031	67		8.57	8.66		U			1							
91905	9.474	0.022	8.642	0.017		0.733	0.021	T	0.78	0.01	L	8.6971	0.0016	0.011	102		8.68	8.72		C			1							
91906	12.517	0.212	10.959	0.082		1.380	0.015	G	1.63	0.03	I	10.8412	0.0054	0.043	110		10.78	10.90					1							G G
91907	9.256	0.019	7.848	0.011		1.190	0.017	T	1.15	0.01	L	7.8784	0.0021	0.015	65		7.86	7.90					1							S
91908	8.732	0.012	8.293	0.012		0.448	0.015	G	0.52	0.02	H	8.3683	0.0016	0.013	83		8.35	8.40		C			1							
91909	9.537	0.020	9.335	0.025		0.193	0.030	T	0.21	0.03	L	9.3910	0.0025	0.019	81		9.36	9.42		C			1							G
91910	8.113	0.018	7.837	0.016		0.260	0.025	T	0.29	0.03	L	7.8418	0.0079	0.076	54		7.80	8.07	1.36	P 1 A			1							S
91911						1.400	0.015	G	1.38	0.02	I	12.0563	0.0105	0.076	47		11.94	12.35					1							G
91912	10.195	0.022	8.951	0.013		1.061	0.020	T	1.03	0.02	L	9.0003	0.0018	0.025	184		8.95	9.05					1							
91913	9.625	0.016	8.226	0.009		1.183	0.014	T	1.14	0.01	L	8.2516	0.0011	0.013	146		8.22	8.27					1							
91914	9.509	0.014	8.312	0.009		1.025	0.013	T	1.00	0.01	L	8.3654	0.0017	0.019	169		8.33	8.39					1							
91915	7.332	0.011	6.155	0.005	A	0.967	0.003	G	0.95	0.00	H *	6.1671	0.0007	0.007	115 *		6.16	6.18		D	18443+6103	I 1	2 C A	AB	275	1.146	0.005	2.06	0.02	S
91916	9.862	0.026	9.771	0.035	*	0.089	0.041	T	0.10	0.04	L *	9.7042	0.0032	0.026	122 *		9.66	9.77		D	18443+2052	I 1	2 C A	AB	7	0.383	0.007	0.69	0.07	G
91917	10.533	0.026	9.205	0.014		1.127	0.023	T	1.09	0.02	L	9.2331	0.0016	0.020	273		9.20	9.26			18443+2224	I 1	1							
91918	4.632	0.002	4.826	0.002		−0.168	0.004	G	−0.19	0.02	A	4.7953	0.0012	0.008	107		4.78	4.81		U 2	18443−3539	I 1	1							S
91919	4.849	0.006	4.660	0.004	*	0.170	0.010	G	0.19	0.01	H *	4.7286	0.0006	0.007	113 *		4.72	4.75		D	18443+3938	I 2	2 C A	AB	353	2.536	0.005	1.14	0.01	S
91920	11.059	0.048	10.484	0.046		0.537	0.059	T	0.61	0.06	L	10.5872	0.0030	0.026	129		10.55	10.64		C			1							G
91921	7.994	0.010	7.501	0.008		0.455	0.015	G	0.52	0.02	H	7.5419	0.0015	0.012	93		7.52	7.55		C			1							S
91922	7.471	0.005	7.194	0.006		0.264	0.007	T	0.30	0.01	L	7.2347	0.0013	0.014	166		7.21	7.26					1							S
91923	10.262	0.036	10.036	0.052		0.241	0.030	G	0.27	0.04	H	10.0123	0.0040	0.027	87		9.98	10.06					1							G
91924						1.556	0.082	G	2.46	0.34	I	10.5650	0.0430	0.000	1		10.56	10.56			18442+7559	I 1								G
91925	9.932	0.026	8.314	0.013		1.355	0.023	T	1.32	0.03	L	8.3222	0.0020	0.012	67		8.29	8.35		C			1							
91926	4.782	0.005	4.561	0.004	*	0.180	0.000	G	0.20	0.00	H *	4.6493	0.0007	0.005	112 *		4.64	4.66		D	18443+3938	I 2	2 C A	CD	87	2.338	0.002	0.21	0.01	S
91927	8.577	0.010	8.184	0.010		0.372	0.013	T	0.43	0.01	L	8.2121	0.0013	0.014	99		8.19	8.24		C			1 G							S
91928	8.651	0.012	8.592	0.015	A	0.028	0.015	G	0.04	0.01	H *	8.5558	0.0019	0.020	75 *		8.51	8.67		U 2	18444−4657	I 1	2 C A	AB	239	3.721	0.036	2.67	0.15	
91929						1.600	0.370	G	1.57	0.38	J	9.8657	0.0057	0.033	82		9.81	9.93		U			1 S							G
91930	9.904	0.023	8.691	0.014		1.037	0.021	T	1.01	0.02	L	8.7482	0.0015	0.014	113		8.72	8.77		C			1							
91931	10.044	0.033	9.480	0.032		0.532	0.034	T	0.60	0.04	L	9.5449	0.0024	0.020	67		9.51	9.58		D			1							
91932	9.679	0.015	8.493	0.010		1.016	0.014	T	0.99	0.01	L	8.5307	0.0009	0.017	180		8.50	8.56					1							
91933	8.999	0.017	8.461	0.017	A	0.515	0.015	G	0.59	0.02	H	8.5142	0.0061	0.017	98	A	8.49	8.56		D	18445−0737	I 1	2 C A	AC	322	13.838	0.012	2.14	0.05	
91934	8.925	0.012	8.353	0.011		0.535	0.014	T	0.61	0.01	L	8.3896	0.0018	0.017	138		8.36	8.43					1							S
91935	8.900	0.012	8.360	0.011		0.506	0.015	T	0.58	0.02	L	8.4409	0.0014	0.013	99		8.42	8.47		C			1							S
91936	9.092	0.013	7.274	0.006		1.513	0.011	T	1.55	0.02	L	7.2401	0.0010	0.010	124		7.22	7.26					1							
91937	9.682	0.020	9.073	0.017		0.567	0.023	T	0.64	0.02	L	9.1593	0.0015	0.014	114		9.13	9.19		C			1 G							
91938	7.202	0.005	7.212	0.007		−0.004	0.008	T	0.02	0.01	L	7.2187	0.0011	0.009	95		7.20	7.24		C			1							S
91939	9.566	0.022	9.084	0.022		0.466	0.024	T	0.54	0.03	L	9.1239	0.0022	0.018	76		9.10	9.15		C			1							
91940	8.457	0.011	7.912	0.011		0.559	0.015	G	0.63	0.01	H	7.9613	0.0015	0.016	120		7.93	7.99			18445+3400	I 1	1							S
91941	8.343	0.011	7.765	0.009		0.540	0.013	T	0.61	0.01	L	7.8170	0.0012	0.012	105		7.80	7.84		C			1							S
91942	10.541	0.037	9.423	0.023		0.963	0.034	T	0.95	0.03	L	9.4780	0.0020	0.021	133		9.44	9.52		C			1							
91943	10.081	0.024	8.690	0.013		1.176	0.021	T	1.14	0.02	L	8.7164	0.0014	0.013	111		8.70	8.74					1							
91944	10.398	0.042	9.021	0.022		1.165	0.037	T	1.13	0.03	L	9.0986	0.0018	0.018	72		9.07	9.13		C			1							
91945	11.766	0.101	11.362	0.107		0.382	0.136	T	0.45	0.15	L	11.3552	0.0063	0.052	131		11.26	11.43					1							G
91946	8.026	0.010	7.890	0.011		0.204	0.005	G	0.22	0.01	H	7.8923	0.0017	0.020	104		7.86	7.94		U			1							S
91947	8.348	0.014	8.309	0.018		−0.015	0.015	G	0.01	0.01	H	8.3312	0.0018	0.017	76		8.31	8.36					1							
91948	9.556	0.014	8.373	0.009		1.014	0.013	T	0.99	0.01	L	8.4154	0.0012	0.013	130		8.40	8.44					1							
91949	8.612	0.010	7.612	0.007		0.843	0.003	G	0.88	0.00	H	7.6756	0.0013	0.013	111		7.66	7.70					1							S
91950	8.594	0.009	7.404	0.006		1.019	0.008	T	0.99	0.01	L	7.4520	0.0010	0.012	122		7.43	7.47		C			1							S
91951	8.102	0.009	7.978	0.013		0.120	0.015	G	0.13	0.01	H	8.0179	0.0013	0.012	107		8.00	8.04		C			1							S
91952	9.037	0.019	8.007	0.014		0.897	0.018	T	0.90	0.01	L	8.0456	0.0015	0.011	105		8.02	8.06		C			1							
91953	9.655	0.024	8.420	0.015		1.054	0.022	T	1.02	0.02	L	8.4593	0.0018	0.013	88		8.43	8.48		C			1							
91954	9.413	0.017	7.535	0.008		1.560	0.015	T	1.58	0.01	L	7.4569	0.0010	0.008	97		7.45	7.47					1 S							
91955	8.686	0.010	8.303	0.011		0.363	0.014	T	0.42	0.01	L	8.3613	0.0016	0.013	104		8.34	8.38		C			1							
91956	7.918	0.009	7.476	0.008		0.431	0.010	T	0.50	0.01	L	7.5222	0.0010	0.010	88		7.50	7.54					1							S
91957	8.310	0.014	7.902	0.011		0.408	0.015	G	0.47	0.02	H	7.9439	0.0014	0.010	86		7.93	7.96		C			1							S
91958	6.801	0.003	6.352	0.003		0.437	0.003	T	0.51	0.00	L	6.4005	0.0006	0.007	226		6.39	6.41		C			1							S
91959	10.867	0.048	8.802	0.015		1.663	0.020	G	2.15	0.02	A	8.6744	0.0022	0.019	106		8.64	8.71					1							
91960	9.207	0.018	6.943	0.007		1.868	0.015	T	1.90	0.01	L	6.8000	0.0032	0.023	86		6.78	6.85		U 2			1							S P
91961	9.220	0.016	8.386	0.013		0.781	0.015	G	0.82	0.01	H	8.4299	0.0012	0.011	93		8.41	8.45		C			1 S							
91962	9.115	0.018	8.532	0.017		0.546	0.018	T	0.62	0.02	L	8.5813	0.0012	0.011	77		8.57	8.60		D			1							
91963	9.218	0.012	9.105	0.015		0.110	0.018	T	0.12	0.02	L	9.1520	0.0018	0.018	163		9.12	9.19		C			1							
91964	8.865	0.016	8.623	0.018		0.226	0.024	T	0.25	0.03	L	8.6631	0.0027	0.016	65		8.63	8.70		C			1							
91965	9.840	0.029	7.803	0.011		1.687	0.025	T	1.71	0.03	L	7.6927	0.0017	0.014	76		7.67	7.71			18447−2959	I 1	1							S
91966	10.072	0.024	9.323	0.019		0.685	0.024	T	0.74	0.02	L	9.3947	0.0020	0.024	129		9.35	9.44		C			1							
91967	8.651	0.013	8.067	0.013	A	0.549	0.015	G	0.62	0.01	H *	7.8953	0.0013	0.012	80 *		7.88	7.92		D	18447−2548	I 1	2 C A	AB	58	1.342	0.006	0.49	0.01	S
91968	9.554	0.014	9.121	0.014		0.423	0.016	T	0.49	0.02	L	9.1797	0.0024	0.032	179		9.13	9.22					1							
91969	9.450	0.016	9.135	0.017	*	0.299	0.022	T	0.34	0.03	L *	9.1493	0.0022	0.016	113 *		9.12	9.18		D	18448+5201	I 1	2 C A	AB	122	0.582	0.003	0.69	0.02	
91970	11.573	0.104	9.554	0.030		1.673	0.086	T	1.70	0.09	L	9.2892	0.0141	0.068	70		9.20	9.42		U 2			1 S							P
91971	4.585	0.002	4.358	0.002		0.192	0.010	G	0.18	0.03	C	4.3992	0.0005	0.005	129		4.39	4.41			18448+3736	I 2	1							S
91972	10.285	0.034	8.944	0.018		1.137	0.030	T	1.10	0.03	L	8.9879	0.0022	0.018	96		8.96	9.01		C			1							
91973	6.045	0.004	5.726	0.004		0.285	0.009	G	0.32	0.01	H	5.7902	0.0007	0.006	134		5.78	5.80		C	18448+3736	I 2	1							S
91974	5.855	0.003	5.824	0.004		0.033	0.005	T	0.05	0.00	L	5.8324	0.0007	0.006	78		5.82	5.84					1							S
91975	4.950	0.002	5.009	0.002		−0.055	0.016	G	−0.03	0.02	H	5.0034	0.0005	0.005	110		4.99	5.01		C			1							S
91976	9.066	0.016	8.857	0.018		0.200	0.023	T	0.22	0.03	L	8.8860	0.0014	0.015	83		8.86	8.92					1							
91977	7.969	0.006	7.919	0.008		0.051	0.009	T	0.06	0.01	L	7.9472	0.0013	0.015	169		7.92	7.97		C			1							S
91978	8.585	0.015	7.809	0.012	*	0.706	0.015	T	0.76	0.01	L *	7.8616	0.0013	0.010	72 *		7.84	7.88		D	18448−3323	I 1	2 C A	AB	320	0.289	0.004	0.30	0.05	
91979	9.055	0.017	8.743	0.018	*	0.296	0.023	T	0.34	0.03	L *	8.7780	0.0026	0.022	72 *		8.74	8.82		D	18449−5029	H 1	2 C A	AB	234	0.527	0.035	2.89	0.12	
91980											T	11.2638	0.0066	0.045	71		11.15	11.34					1							G
91981	10.650	0.036	8.660	0.013		1.649	0.030	T	1.67	0.03	L	8.5656	0.0020	0.019	107		8.53	8.60		R			1 S							
91982	9.784	0.021	9.152	0.020		0.670	0.015	G	0.73	0.01	H	9.1931	0.0020	0.018	90		9.17	9.23		C			1							
91983	8.519	0.011	8.145	0.011		0.354	0.014	T	0.42	0.01	L	8.2065	0.0040	0.032	107		8.15	8.25	0.90	P 1 A			1							S
91984	9.451	0.014	7.560	0.006		1.571	0.012	T	1.59	0.01	L	7.4634	0.0017	0.017	134		7.44	7.49		U			1							S
91985	7.302	0.007	6.349	0.005		0.839	0.006	T	0.86	0.00	L	6.4186	0.0006	0.007	100		6.41	6.43					1							S
91986	9.984	0.018	9.934	0.025		0.051	0.029	T	0.06	0.02	L	10.0133	0.0021	0.025	188		9.97	10.07		C			1							G
91987	6.852	0.004	6.882	0.005		−0.023	0.006	T	0.00	0.01	L	6.8883	0.0007	0.007	118		6.88	6.90		C			1							S
91988	8.747	0.008	7.609	0.005	*	0.979	0.007	T	0.96	0.01	L *	7.6554	0.0009	0.012	247 *		7.63	7.67		D	18449+2234	H 1	2 C A	AB	197	0.313	0.011	2.30	0.12	S
91989	6.499	0.005	5.531	0.004		0.850	0.005	T	0.86	0.00	L	5.5577	0.0010	0.006	81		5.55	5.57					1							S
91990	8.881	0.012	8.374	0.011		0.476	0.015	T	0.55	0.02	L	8.4239	0.0015	0.016	106		8.40	8.46		C	18450+4422	I 1	1							S
91991	9.996	0.031	9.365	0.029		0.582	0.031	T	0.65	0.03	L	9.4100	0.0036	0.033	75		9.35	9.45		U			1							
91992	7.349	0.007	6.809	0.005		0.518	0.015	G	0.59	0.02	H	6.8633	0.0010	0.009	87		6.85	6.88		C			1							S
91993	10.408	0.039	9.097	0.022		1.114	0.035	T	1.08	0.04	L	9.0701	0.0022	0.017	77		9.05	9.10		C			1							
91994	9.964	0.024	8.701	0.015	*	1.076	0.022	T	1.04	0.02	L *	8.7644	0.0016	0.014	113 *		8.73	8.78		C	18450+4239	H 1	2 C S C	AB	35	0.177	0.059	2.21	1.05	
91995	9.961	0.029	9.402	0.028		0.523	0.036	T	0.60	0.04	L	9.4816	0.0020	0.016	69		9.46	9.52		D			1							
91996	7.873	0.008	7.814	0.012	*	0.059	0.013	T	0.07	0.01	L *	7.8484	0.0013	0.012	110 *		7.83	7.87		D	18451+4608	I 1	2 C A	AB	308	8.482	0.012	2.80	0.06	S
91997	7.149	0.005	7.183	0.006		−0.026	0.007	T	0.00	0.01	L	7.1813	0.0014	0.011	134		7.16	7.20					1 G							S
91998	10.027	0.026	9.460	0.026		0.534	0.027	T	0.61	0.03	L	9.4608	0.0030	0.023	101		9.43	9.49					1							
91999	9.202	0.017	8.496	0.015		0.630	0.003	G	0.70	0.00	H	8.5376	0.0020	0.019	83		8.50	8.57		C			1							
92000	7.298	0.005	7.136	0.005		0.182	0.015	G	0.20	0.02	H	7.1607	0.0011	0.009	102		7.14	7.18					1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
1 2	h m s	±° ′ ″	mag	5 6 7	deg	deg	10	mas	mas/yr		mas		mas	mas/yr		19	20	21	22	23	24	25	26	27	28	% 29	30
92001	18 45 04.59	−23 15 06.4	8.47	H	281.269 137 87	−23.251 764 07		14.39	18.25	−122.30	1.14	0.51	1.16	1.29	0.71	−15	−38	+10	+31	− 8	+15	−23	−31	+13	−22	0	0.40
92002 H	18 45 07.68	+06 39 22.6	7.89	H	281.281 998 86	+06.656 288 05	*	2.33	1.55	−0.16	1.73	1.14	1.06	0.92	0.77	−21	−22	− 7	−21	+17	+20	+14	−28	− 4	+ 2	3	−0.62
92003	18 45 08.92	+57 06 56.5	7.66	H	281.287 161 06	+57.115 701 12		4.57	25.40	6.30	0.59	0.56	0.62	0.66	0.61	+ 2	− 4	+10	+10	+12	+16	+16	−13	+10	+29	4	0.42
92004	18 45 09.13	−28 13 14.2	8.32	H	281.288 032 94	−28.220 602 27		2.93	1.54	−3.51	1.10	0.67	1.41	1.68	1.11	−11	− 4	−36	+ 0	+27	−33	+12	−51	+48	−31	0	0.38
92005 H	18 45 09.99	+39 13 32.8	9.05	H	281.291 643 71	+39.225 780 70	A	−0.65	2.28	−0.06	1.51	1.68	1.71	1.51	2.03	+ 5	− 1	−10	+10	− 5	−16	− 4	− 9	+13	+ 7	1	1.29
92006	18 45 10.23	+39 13 09.3	10.31	H	281.292 618 94	+39.219 239 27	C	−0.65	2.28	−0.06	11.21	13.16	1.71	1.51	2.03	+ 5	+ 1	+ 3	+ 2	− 1	−16	− 1	− 2	+13	+ 7	1	1.29
92007	18 45 10.84	+38 18 54.6	7.60	1 G	281.295 165 51	+38.315 169 09	A	−0.08	−7.33	−46.66	1.15	1.08	1.22	1.41	1.43	− 6	− 6	+17	+ 3	+ 8	+15	+ 7	− 4	+ 6	+ 1	5	2.62
92008	18 45 11.50	−61 05 42.5	6.04	H	281.297 910 08	−61.095 138 79		3.15	24.25	−23.55	0.62	0.54	0.79	0.66	0.56	+13	−37	− 8	+19	−11	−10	−11	−24	− 8	+ 1	0	1.85
92009	18 45 11.82	−09 23 53.1	9.13	H	281.299 258 24	−09.398 077 25		1.93	−1.73	−0.91	1.17	0.71	1.30	1.35	0.95	+ 0	− 5	+12	+10	+ 7	+19	+ 1	−48	−16	−11	5	1.83
92010	18 45 12.95	+22 00 43.0	11.19	H	281.303 937 87	+22.011 936 14		4.57	−3.92	−5.53	2.08	2.95	4.45	2.72	3.71	+28	−20	−16	−15	− 6	+20	− 8	−17	+26	+33	0	
92011	18 45 14.76	−31 44 58.5	10.04	H	281.311 488 03	−31.749 596 27		7.95	35.05	−123.99	1.57	0.88	1.64	1.77	1.08	−14	−31	+ 3	+20	+ 0	− 2	− 6	−26	+10	−21	0	−1.00
92012 H	18 45 15.99	−33 18 02.3	9.10	H	281.316 623 69	−33.300 651 94	A	4.38	4.49	−25.25	2.52	1.61	2.42	4.46	2.32	−17	+ 0	−15	− 8	+23	−32	+ 2	−54	+21	−59	1	−0.11
92013	18 45 17.50	−20 38 50.5	7.45	3 H	281.322 908 56	−20.647 370 37		−0.10	−2.22	−2.39	1.02	0.50	1.05	1.25	0.76	− 9	−42	+ 3	+ 3	+14	+11	−10	−57	− 2	−44	0	−1.21
92014	18 45 17.68	−51 25 49.5	10.66	G	281.323 665 54	−51.430 426 75		7.52	−110.59	−280.64	1.91	1.51	2.30	2.31	1.93	+36	−33	−11	− 6	−44	+ 0	−45	−23	+19	+50	0	−0.42
92015	18 45 18.38	+17 43 38.5	7.40	H	281.326 596 00	+17.727 371 41		7.26	1.72	1.38	0.55	0.58	0.96	0.69	0.75	+ 8	− 4	−24	+20	−33	+24	−28	−28	+25	+16	0	−0.12
92016	18 45 18.64	−21 00 05.6	6.35	H	281.327 672 65	−21.001 546 43		17.62	26.75	−28.35	0.90	0.41	0.95	0.96	0.57	−10	−58	+ 0	− 3	+ 9	+15	−10	−47	+ 9	−36	0	−0.67
92017	18 45 18.73	−35 51 23.9	6.57	H	281.328 036 42	−35.856 630 46		9.12	−1.41	−55.48	0.78	0.58	1.00	1.17	0.70	−24	− 5	−42	−28	+47	−39	+25	−69	+37	−55	0	1.14
92018 H	18 45 19.01	−35 29 01.4	8.76	H	281.329 226 85	−35.483 728 68	A	7.25	50.42	−26.62	4.16	2.26	1.97	2.27	1.33	+ 8	− 8	−22	−13	+13	−32	−10	−52	+21	− 6	1	−0.61
92019	18 45 20.48	−52 41 34.3	9.00	H	281.335 346 79	−52.692 852 80		3.53	−11.21	−11.48	1.05	0.78	1.35	1.21	0.93	+10	−28	− 9	+27	−31	+13	−29	+ 6	+23	+33	0	1.12
92020 H	18 45 21.71	+36 34 02.1	7.03	H	281.340 449 22	+36.567 254 24	*	4.70	−3.93	2.27	1.32	1.26	0.75	0.63	0.88	+16	+ 8	− 1	− 1	− 3	− 9	+ 1	+36	− 5	+ 3	1	−0.27
92021	18 45 23.93	−56 52 54.9	6.22	G	281.349 693 23	−56.881 919 29		4.76	−41.74	−20.91	0.65	0.52	0.79	0.69	0.56	− 4	−31	− 9	+30	− 6	+ 3	− 6	− 7	+ 7	− 2	2	0.88
92022	18 45 24.54	−13 12 18.8	11.10	H	281.352 233 57	−13.205 225 58		13.11	−42.55	−81.67	2.16	1.30	2.40	2.49	1.85	+ 6	−11	+ 0	−10	+ 2	+21	+ 8	−58	+ 7	+16	0	−1.56
92023	18 45 26.77	−03 13 53.5	8.44	H	281.361 528 96	−03.231 521 35		4.27	0.73	−10.69	0.89	0.63	1.07	0.94	0.75	+10	−22	−16	−15	+ 5	+15	− 5	−46	− 3	−28	0	2.04
92024	18 45 26.86	−64 52 15.2	4.78	G	281.361 900 79	−64.870 897 71		34.21	32.67	−148.72	0.47	0.47	0.68	0.51	0.45	+16	−18	−29	−23	+ 1	− 3	− 1	−32	+ 7	+18	0	0.73
92025	18 45 27.95	−44 45 13.2	8.69	H	281.366 440 62	−44.753 661 09		7.46	25.55	−34.76	1.03	0.76	1.18	1.35	0.93	+13	−13	+ 2	+ 0	+ 7	+ 5	+ 8	−25	− 4	+19	0	1.02
92026	18 45 28.19	+34 12 49.2	7.62	H	281.367 446 43	+34.213 668 81		13.03	17.01	51.41	0.54	0.61	0.74	0.71	0.86	− 1	− 3	−15	+ 7	+ 3	−14	+ 1	+14	− 1	− 5	0	2.72
92027 H	18 45 28.36	+05 30 00.4	5.82	G	281.368 149 52	+05.500 123 01	A	4.60	15.54	1.96	1.13	0.84	1.10	1.07	0.86	+11	−15	−25	−16	+ 7	−20	− 4	−34	+27	+12	0	1.00
92028	18 45 28.62	−04 35 58.7	8.20	G	281.369 234 86	−04.599 640 70		0.00	−1.40	−2.88	1.05	0.60	1.15	1.08	0.75	+ 4	−36	−14	+18	+ 0	+ 4	−14	−35	+10	−22	0	−1.34
92029	18 45 28.73	−41 55 04.0	8.92	H	281.369 727 69	−41.917 776 90		8.11	−2.94	−30.13	1.19	0.79	1.36	1.47	0.99	+23	−36	−15	+ 8	+ 5	− 5	− 9	−29	+20	− 1	2	1.92
92030	18 45 29.53	+66 04 19.4	10.47	H	281.373 034 90	+66.072 042 51		1.38	−5.68	−18.04	0.94	0.90	1.00	0.92	1.00	+ 2	−18	+15	−28	+ 4	+12	− 1	+ 2	− 3	+18	0	1.02
92031 H	18 45 30.76	+28 15 24.2	8.05	H	281.378 169 79	+28.256 723 10	A	3.05	16.69	9.89	0.91	1.11	1.29	1.01	1.26	+ 6	+ 2	+ 1	+19	+14	+13	+15	+18	−13	+ 3	1	−0.32
92032	18 45 31.21	+19 58 11.6	6.58	H	281.380 048 95	+19.969 899 35		5.32	0.87	−1.45	0.45	0.49	0.76	0.59	0.60	− 4	− 8	− 8	+15	−15	− 4	−10	−22	+12	+10	0	0.21
92033	18 45 33.90	−48 27 34.0	7.17	H	281.391 256 68	−48.459 452 75		5.36	−20.91	−27.13	0.72	0.55	0.85	0.91	0.62	− 2	−26	−15	− 8	+ 8	− 5	+ 2	−32	+ 5	−23	0	−0.85
92034	18 45 33.93	−12 35 15.0	7.51	H	281.391 355 12	−12.587 500 98		−0.15	0.60	−3.02	0.91	0.52	0.97	0.93	0.71	−15	−36	− 3	−15	+13	+17	+17	−58	+ 3	−10	2	0.72
92035	18 45 34.42	+14 25 01.6	8.99	H	281.393 406 76	+14.417 099 58		9.67	−11.49	−76.31	1.18	1.01	1.38	1.82	1.46	+19	−20	+ 7	− 7	− 2	+ 5	− 1	−19	+ 9	+47	0	0.53
92036	18 45 35.61	+21 59 04.8	6.53	1 H	281.398 394 98	+21.984 678 09		4.66	5.87	1.70	0.37	0.47	0.74	0.47	0.58	+16	−22	−18	−10	− 1	+19	− 4	−20	+34	+26	0	−1.32
92037	18 45 35.96	+27 26 38.8	9.14	H	281.399 838 32	+27.444 112 37		−0.86	−2.85	−14.46	0.80	0.92	1.16	1.07	1.01	+11	− 4	+ 8	+40	+11	+ 5	+13	− 1	+ 8	+21	0	−0.83
92038	18 45 37.05	−17 32 41.3	7.14	G	281.404 393 12	−17.544 801 16		2.84	−2.48	−10.67	0.75	0.44	0.82	0.92	0.68	+ 2	−19	− 7	+ 6	+ 2	+16	+ 5	−44	+24	+14	2	−0.11
92039	18 45 37.15	−48 15 50.6	6.81	H	281.404 781 76	−48.264 047 05		6.54	11.46	1.68	0.73	0.52	0.82	0.89	0.58	−14	−27	−11	− 6	+11	+ 2	+ 8	−28	− 1	−30	0	−0.61
92040	18 45 38.06	+79 56 33.0	6.40	H	281.408 587 06	+79.942 508 66		11.33	12.45	67.60	0.49	0.45	0.53	0.49	0.51	+ 0	− 4	+ 5	+ 4	+ 6	+ 3	+ 5	+ 9	−17	+ 2	1	0.99
92041	18 45 39.35	−26 59 26.8	3.17	G	281.413 970 83	−26.990 779 40		14.14	51.15	0.45	0.81	0.48	0.88	1.05	0.73	− 2	−25	+ 0	+10	− 9	−25	− 5	−40	+ 6	+10	2	1.27
92042	18 45 39.64	−66 00 27.0	9.23	H	281.415 177 30	−66.007 489 53		0.51	4.33	−2.89	0.79	0.90	1.37	0.96	0.87	+12	+ 2	−29	−27	+ 2	−12	− 4	− 8	− 7	+25	0	0.93
92043	18 45 39.73	+20 32 49.6	4.19	H	281.415 546 60	+20.547 123 56		52.37	−9.25	−335.65	0.45	0.43	0.68	0.55	0.52	− 2	−26	− 6	+27	− 9	+ 4	−10	− 5	+19	+ 6	0	1.85
92044 H	18 45 39.85	−13 40 16.1	8.21	H	281.416 029 72	−13.671 149 04	A	3.94	−1.86	−40.93	1.64	0.98	1.70	2.00	1.27	+14	−22	−20	+10	−13	+27	−10	−50	+21	+20	1	0.10
92045	18 45 40.75	−76 09 15.2	9.48	H	281.419 803 81	−76.154 223 11		1.37	3.79	14.95	0.85	0.81	1.15	1.00	0.84	+ 1	−31	+ 2	+25	+ 4	− 4	+ 1	+ 0	+ 2	− 5	0	1.83
92046 H	18 45 41.37	−42 25 32.1	8.39	H	281.422 354 76	−42.425 574 27	*	2.53	8.81	6.51	1.15	0.71	1.27	1.32	0.85	+13	−45	−12	+ 8	+ 3	− 1	− 6	−30	+ 8	− 5	0	−0.45
92047	18 45 41.48	+15 43 31.4	6.69	H	281.422 828 57	+15.725 397 90		9.70	20.22	6.50	0.70	0.57	0.89	0.80	0.68	−20	−10	−38	−40	− 3	+23	+ 0	−41	+34	+ 1	2	1.15
92048	18 45 41.52	+41 24 20.1	7.89	2 H	281.422 987 47	+41.405 587 41		0.38	10.31	11.06	0.59	0.56	0.69	0.67	0.69	+ 5	− 7	−13	+ 2	+ 9	− 6	+ 5	+12	+26	+ 7	4	1.04
92049	18 45 42.19	+23 46 52.3	10.16	H	281.425 788 66	+23.781 203 14		1.45	−109.82	−161.81	0.96	1.27	1.79	1.05	1.34	+15	− 4	− 1	+47	+38	− 6	+31	+22	+18	− 1	1	0.32
92050	18 45 43.27	−46 36 04.7	7.57	H	281.430 289 61	−46.601 307 32		1.78	0.11	4.28	0.90	0.66	1.03	1.26	0.82	+ 8	−21	− 9	− 4	+ 2	−12	− 3	−34	+ 7	− 6	0	0.82
92051	18 45 43.67	−39 48 21.6	9.12	H	281.431 939 83	−39.806 005 78		6.91	−66.50	−7.74	1.27	0.79	1.44	1.68	1.16	− 2	−35	− 4	−16	+ 8	+ 9	+10	−48	+ 8	+10	0	0.35
92052	18 45 43.69	+11 29 49.3	7.11	H	281.432 038 62	+11.497 041 46		3.51	−8.15	−5.07	0.78	0.59	0.83	1.01	0.78	+20	−16	− 5	+21	+34	− 2	+27	+17	+27	+30	5	−0.10
92053	18 45 44.79	+48 23 57.8	9.63	H	281.436 619 34	+48.399 389 19		0.36	−4.49	−17.44	0.90	0.86	0.97	0.94	1.17	+ 4	+ 6	−15	−13	+12	− 9	+15	+ 2	+ 2	+ 0	0	3.39
92054	18 45 45.31	−06 27 18.1	8.65	H	281.438 798 06	−06.455 017 81		3.33	0.52	−3.04	1.79	1.13	1.96	1.74	1.31	+10	−29	−22	−26	+ 4	+ 2	− 1	−49	+ 7	−10	0	
92055	18 45 46.38	+07 13 12.3	9.79	3 H	281.443 249 18	+07.220 080 27		2.19	−1.62	−1.21	1.40	1.05	1.81	1.59	1.28	+20	−32	−41	−23	+28	− 8	+12	−40	+37	−18	0	0.05
92056	18 45 46.76	+74 05 07.3	5.25	H	281.444 819 33	+74.085 353 52		9.74	5.13	81.98	0.47	0.42	0.48	0.49	0.51	+ 8	− 9	+ 5	−14	+ 3	−29	+ 7	−14	−15	+21	0	−1.22
*92057	18 45 48.04	+68 43 39.8	7.82	H	281.450 162 70	+68.727 723 86		3.60	0.06	12.60	0.57	0.51	0.56	0.63	0.60	− 1	−15	+ 3	+12	+15	+ 1	+16	+ 0	− 2	+ 0	0	1.38
*92058	18 45 48.00	−67 51 02.3	8.60	H	281.450 013 28	−67.850 626 73		6.01	2.30	−7.03	0.63	0.68	1.05	0.61	0.77	−20	− 6	− 1	−33	−11	+ 5	−16	− 5	− 5	−16	1	1.42
92059	18 45 48.13	−34 20 03.7	13.16	3 H	281.450 552 98	−34.334 350 96		11.02	−24.19	19.27	18.85	10.90	9.47	18.26	11.55	−78	+17	−27	−41	+49	−29	+51	−73	+36	−64	6	1.86
92060 H	18 45 49.83	+34 31 06.5	7.09	G	281.457 631 16	+34.518 473 46	A	4.25	5.01	−14.01	0.72	0.85	0.92	0.82	1.10	+ 4	− 4	−22	+ 0	+ 5	− 7	+ 8	+20	−15	−12	2	0.20
92061	18 45 50.66	−49 03 40.5	11.49	G	281.461 094 23	−49.061 262 99		−0.28	−11.32	−34.13	2.47	1.93	2.94	3.14	2.10	+20	−35	−26	+ 3	+ 4	− 6	− 8	−36	+13	−10	2	1.42
92062 H	18 45 51.32	−10 29 34.0	6.95	G	281.463 853 69	−10.492 766 01	A	3.04	3.84	−9.04	1.39	0.87	1.33	1.49	1.08	+27	−16	− 9	+ 0	−16	+30	−23	−53	+11	+20	1	0.73
92063 H	18 45 51.71	−40 46 23.3	8.91	H	281.465 439 32	−40.773 149 04	A	4.37	−14.07	−26.87	2.06	1.47	2.14	2.54	1.70	−19	+14	−30	−20	+33	−20	+33	−46	+29	−22	3	0.12
92064	18 45 51.98	+59 33 33.0	7.52	H	281.466 579 50	+59.559 156 55		2.47	0.68	3.02	0.54	0.50	0.54	0.57	0.62	+ 5	− 3	+ 1	+15	+ 9	+ 5	+11	+11	+ 0	+ 9	0	0.23
92065	18 45 53.10	−75 53 14.7	9.04	H	281.471 240 42	−75.887 405 37		4.70	1.43	−21.97	0.73	0.73	1.02	0.90	0.80	−14	−25	− 9	+23	− 9	− 7	− 8	+ 5	− 4	−21	0	0.44
92066	18 45 53.23	−18 21 50.5	7.42	1 G	281.471 800 85	−18.364 040 71		4.69	−1.53	−9.74	0.91	0.54	0.98	1.38	0.90	−17	+ 6	−19	+ 2	+17	+13	+19	−59	+25	−18	2	1.04
92067	18 45 54.11	+12 20 10.2	10.07	3 H	281.475 440 15	+12.336 166 77		0.29	0.17	−9.54	1.48	1.17	1.75	2.25	1.75	+21	−10	+12	+20	+37	+30	+30	+19	+36	+45	0	−0.21
92068	18 45 54.59	+06 14 39.1	9.56	H	281.477 454 63	+06.244 191 96		1.82	4.17	−1.50	1.19	0.83	1.38	1.30	1.02	− 3	−35	− 1	−16	+16	+19	+19	−27	− 7	− 5	0	0.98
92069	18 45 55.23	+58 19 37.2	9.92	H	281.480 112 58	+58.327 000 27		1.93	−4.78	−22.06	0.93	0.93	0.98	1.06	1.19	+13	+ 1	− 3	+ 8	+15	+ 5	+18	− 4	+16	+26	0	−0.47
92070	18 45 55.77	−34 34 28.6	8.14	H	281.482 374 66	−34.574 602 47		4.55	12.81	1.30	1.07	0.72	1.31	1.78	0.98	+ 0	+ 3	− 5	−13	+ 0	−44	−12	−54	+13	−30	0	0.45
*92071	18 45 56.03	−19 04 56.0	8.17	H	281.483 475 53	−19.082 221 47		1.39	0.06	−8.60	1.09	0.69	1.19	1.61	1.16	− 4	+10	−18	−21	− 2	+11	+ 9	−66	+27	+11	4	−0.30
*92072	18 45 55.99	−50 52 21.6	6.24	H	281.483 307 95	−50.872 677 91		2.66	1.96	−15.20	0.77	0.57	0.85	1.03	0.68	+ 3	−19	−12	−15	−10	−20	−14	−40	+ 9	−10	0	0.13
92073	18 45 57.71	+56 06 12.1	8.92	2 H	281.490 466 89	+56.103 361 96		5.84	7.56	10.99	0.81	0.71	0.80	1.03	0.93	+22	−16	−12	+22	+ 6	− 4	+13	− 4	− 4	+46	1	2.58
92074	18 45 58.10	+50 00 02.6	9.22	H	281.492 066 92	+50.000 717 51		3.01	−7.97	−1.07	0.80	0.71	0.81	0.89	0.91	+16	−16	− 5	+20	+19	− 2	+22	+24	−18	+20	0	−0.70
92075	18 45 58.42	+01 19 01.3	7.71	H	281.493 420 97	+01.317 041 26		5.04	21.08	−3.19	0.73	0.52	0.90	0.70	0.57	+18	−26	−27	−22	+10	+ 6	+ 9	−33	+15	+ 4	2	−0.34
92076	18 45 59.60	+35 51 53.6	8.25	H	281.498 338 42	+35.864 878 77		5.12	−1.57	3.26	0.55	0.63	0.72	0.62	0.84	− 1	+ 0	+ 4	+14	+ 1	− 9	+ 2	+37	+ 2	− 2	0	−0.11
92077	18 45 59.68	−47 02 57.4	8.21	G	281.498 679 44	−47.049 287 67		0.78	6.35	−4.75	0.99	0.75	1.15	1.33	0.85	+12	−26	−20	−14	+11	−12	− 1	−42	+13	−17	0	−1.85
92078	18 46 01.12	+09 49 06.1	7.32	H	281.504 676 60	+09.818 369 38		9.63	−22.94	0.17	0.81	0.58	0.87	0.91	0.68	+12	−12	+ 1	−16	+17	− 3	+15	−16	+15	+ 1	2	1.29
92079	18 46 01.15	−19 36 22.9	6.34	2 H	281.504 798 32	−19.606 369 56		4.42	−7.51	5.25	0.92	0.52	0.98	1.04	0.70	−22	−13	−23	−23	+32	−13	+21	−61	+30	−40	0	0.36
92080	18 46 01.66	+59 41 12.6	7.19	H	281.506 932 90	+59.686 840 34		5.55	55.59	42.82	0.52	0.47	0.51	0.55	0.56	+ 5	− 2	+ 2	+23	+10	+ 0	+11	+ 2	− 6	+ 2	0	−1.48
92081	18 46 02.02	+33 27 58.1	9.04	H	281.508 424 59	+33.466 141 52		−0.09	−2.07	−3.03	0.65	0.77	0.92	0.74	1.10	+ 1	+ 0	− 2	+16	+ 1	−13	+ 2	+32	−12	− 2	1	1.55
92082	18 46 02.08	−06 15 07.3	7.88	H	281.508 678 23	−06.252 031 05		2.24	5.65	2.21	0.95	0.57	1.03	0.99	0.73	+ 8	−28	−11	−19	+ 5	+ 9	+ 3	−44	− 4	−12	2	0.50
92083	18 46 03.21	−44 51 09.5	8.29	G	281.513 354 28	−44.852 626 42		6.15	12.86	−39.44	0.93	0.69	1.11	1.20	0.88	+19	−24	−16	− 9	+ 3	+ 1	+ 5	−28	− 4	+25	0	0.25
92084	18 46 03.38	+66 00 10.6	8.44	H	281.514 101 73	+66.002 947 08		3.17	6.77	10.60	0.63	0.60	0.66	0.65	0.68	− 2	−14	+18	−14	+12	+11	+ 7	+15	− 1	+17	1	−0.29
92085	18 46 03.52	−42 33 58.8	6.93	G	281.514 674 53	−42.566 337 80		8.77	39.04	−11.57	0.80	0.52	0.88	0.98	0.63	− 1	−34	+ 2	+ 9	+10	− 2	+ 6	−29	+ 2	− 7	0	−0.45
92086	18 46 03.84	−27 29 56.6	6.61	H	281.516 006 26	−27.499 061 67		9.30	23.93	26.06	0.83	0.48	0.89	1.04	0.71	−11	−24	− 2	+ 8	− 5	−19	− 4	−38	+13	− 2	0	0.67
92087	18 46 03.87	−32 58 35.1	10.65	H	281.516 123 97	−32.976 416 95		1.67	1.04	−18.52	2.13	1.26	2.25	2.81	1.81	−16	−23	+11	− 4	+10	+ 1	+10	−46	+ 2	−12	0	−1.02
92088	18 46 04.47	+26 39 43.5	4.83	H	281.518 617 08	+26.662 070 55		12.96	18.68	24.39	0.34	0.41	0.54	0.42	0.48	− 6	− 6	− 5	− 4	+20	+ 5	+19	+ 2	+ 7	+ 2	0	0.57
92089	18 46 04.51	+18 29 16.3	6.96	H	281.518 774 65	+18.487 849 66		5.16	−1.89	−6.03	0.45	0.47	0.76	0.54	0.58	+ 4	−13	−14	+21	−26	+ 9	−22	−14	+ 9	+16	0	0.70
92090 H	18 46 05.78	−15 28 33.9	8.44	H	281.524 075 16	−15.476 078 85	A	2.49	5.38	0.04	2.02	1.14	1.81	1.85	1.28	−16	−11	+ 1	− 6	+10	− 8	+15	−51	+ 7	− 3	2	−0.21
92091	18 46 05.84	−02 02 11.5	9.60	H	281.524 327 64	−02.036 539 70		2.31	1.26	9.04	1.67	1.08	1.72	1.74	1.44	+16	+ 2	− 5	−53	−10	−12	−11	−62	−13	+12	0	−0.34
92092	18 46 07.75	−38 42 56.7	9.01	H	281.532 272 78	−38.715 736 53		2.19	−21.89	−6.12	1.26	0.91	1.59	1.95	1.24	+ 6	−10	−37	−21	+24	−36	+ 3	−61	+29	−22	2	0.36
92093	18 46 08.48	+40 16 47.4	8.65	H	281.535 317 77	+40.279 839 66		2.20	8.97	−11.36	0.66	0.70	0.82	0.68	0.84	+ 2	−11	−10	+ 9	+10	+ 1	+10	−10	+25	+13	0	0.71
92094	18 46 08.97	−44 13 22.8	6.77	H	281.537 354 38	−44.223 009 43		4.68	26.89	−44.43	0.70	0.52	0.82	0.92	0.63	+ 1	− 7	− 7	− 2	+10	+ 1	+10	−28	+ 3	+ 4	0	1.42
92095	18 46 10.33	+46 37 50.9	7.90	1 H	281.543 022 86	+46.630 792 80		5.32	7.17	14.79	0.65	0.65	0.74	0.81	0.86	+14	−12	− 7	−12	− 6	− 9	−10	−12	−17	+21	+20	0	1.77
92096 H	18 46 12.21	+44 08 08.3	8.08	G	281.550 895 83	+44.135 625 20	A	3.66	2.15	12.68	0.80	0.79	0.83	0.84	0.89	− 1	+ 1	+ 2	+23	+10	− 4	+12	+ 4	+16	+ 7	3	−0.66
92097	18 46 12.75	−79 13 33.1	8.41	H	281.553 129 83	−79.225 872 35		6.86	−45.15	−8.49	0.63	0.67	0.87	0.71	0.77	−10	−26	+ 2	+11	− 7	+ 7	−10	−14	− 9	−28	2	0.33
92098	18 46 13.01	+41 26 30.

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
92001	9.210	0.017	8.528	0.016		0.619	0.018	T	0.69	0.02	L	8.6012	0.0016	0.013	76		8.57	8.62					1							
92002	7.978	0.008	7.901	0.011	*	0.076	0.013	T	0.09	0.01	L *	7.9188	0.0015	0.010	86	*	7.90	7.96			18451+0639	H 1	2 C B	AB	158	0.206	0.041	3.25	0.37	
92003	8.847	0.013	7.778	0.009		0.926	0.012	T	0.92	0.01	L	7.8194	0.0015	0.013	109		7.80	7.84		C			1							S
92004	8.349	0.012	8.310	0.016		0.041	0.019	T	0.06	0.01	L	8.3447	0.0024	0.014	71		8.32	8.36		C			1							S
92005	9.142	0.029	8.994	0.039	*	0.100	0.495	G	0.13	0.04	L *	9.0909	0.0027	0.034	111	–	9.02	9.14		D	18452+3913	I 2	2 C P B	AB	315	3.044	0.011	1.83	0.07	G
92006	11.650	0.135	10.456	0.071	C						T	10.4426	0.0264	0.226	107	–	9.79	10.65		D	18452+3913	I 2	1 C F B							G G
92007	9.668	0.020	7.793	0.009	A	1.550	0.120	G	1.62	0.10	N	7.7228	0.0137	0.025	102	A	7.67	7.75		U	18451+3819	I 1	2 C D	AB	23	15.858	0.070	3.68	0.38	S D
92008	7.979	0.010	6.197	0.005		1.484	0.009	T	1.50	0.01	L	6.1670	0.0007	0.006	75		6.15	6.18		C			1							S
92009	9.640	0.019	9.195	0.020		0.475	0.005	G	0.55	0.01	H	9.2387	0.0024	0.020	107		9.20	9.27		C			1 S							D
92010	11.649	0.071	11.132	0.073		0.499	0.078	T	0.57	0.08	L	11.2846	0.0042	0.051	220		11.18	11.40		R			1 X							G
92011	10.895	0.064	10.085	0.050		0.716	0.062	T	0.77	0.05	L	10.1763	0.0028	0.023	80		10.13	10.22		C			1							G
92012	9.867	0.026	9.288	0.026	A	0.559	0.071	G	0.73	0.07	B *	9.2349	0.0035	0.018	62	*	9.20	9.27		R	18453–3318	I 1	2 C A	AB	178	1.998	0.011	2.13	0.05	
92013	8.579	0.012	7.557	0.009		0.773	0.020	G	0.93	0.04	A	7.6080	0.0447	0.286	87		7.25	7.96	5.15	P 1 A			1 S							S
92014	11.383	0.087	10.723	0.080		0.766	0.005	G	0.81	0.01	H	10.8210	0.0032	0.024	92		10.77	10.87					1							G
92015	7.696	0.006	7.425	0.007		0.258	0.009	T	0.29	0.01	L	7.4738	0.0012	0.013	123		7.45	7.49		C			1							S
92016	6.895	0.005	6.393	0.005		0.458	0.005	G	0.52	0.02	A	6.4489	0.0008	0.006	91		6.44	6.46					1							S
92017	8.094	0.009	6.697	0.004		1.181	0.008	T	1.14	0.01	L	6.7319	0.0010	0.010	119		6.72	6.75					1 S							S
92018	9.362	0.020	8.873	0.020	*	0.472	0.022	T	0.54	0.02	L *	8.8626	0.0019	0.016	101	*	8.84	8.90		D	18453–3529	I 1	2 C A	AS	294	0.341	0.011	1.11	0.08	
92019	10.287	0.029	9.100	0.018		1.017	0.027	T	0.99	0.02	L	9.1647	0.0016	0.017	103		9.13	9.19		C			1							
92020	7.005	0.004	7.033	0.005	*	–0.021	0.005	T	0.00	0.01	L *	7.0357	0.0010	0.008	124	*	7.02	7.05		D	18454+3634	H 1	2 C A	AB	34	0.292	0.013	2.36	0.14	S
92021	8.043	0.009	6.384	0.005		1.385	0.006	G	1.36	0.01	H	6.3561	0.0008	0.007	75		6.34	6.37		C			1							S
92022						1.927	0.400	G	1.68	0.23	S	11.2056	0.0045	0.047	85		11.14	11.28		R			1							G
92023	8.679	0.012	8.504	0.014		0.168	0.017	T	0.18	0.02	L	8.5013	0.0016	0.013	81		8.47	8.53		C	18454–0314	I 1	1							
92024	5.024	0.002	4.799	0.002		0.199	0.005	G	0.21	0.01	A	4.8364	0.0006	0.006	128		4.83	4.85					1							S
92025	9.222	0.017	8.729	0.017		0.475	0.018	T	0.55	0.02	L	8.7957	0.0020	0.016	76		8.76	8.83		C			1							
92026	8.513	0.010	7.707	0.008		0.729	0.010	T	0.78	0.01	L	7.7627	0.0015	0.013	120		7.74	7.78		C			1							S
92027	5.838	0.007	5.776	0.006	*	0.041	0.006	G	0.06	0.01	R *	5.8292	0.0008	0.005	81	–	5.82	5.84		D	18455+0530	I 1	3 C B							S G
92028	9.090	0.020	8.329	0.017		0.925	0.003	G	0.92	0.00	H	8.3473	0.0034	0.020	76		8.31	8.39		R			1 S							
92029	9.655	0.021	9.030	0.020		0.577	0.021	T	0.65	0.02	L	9.0455	0.0027	0.024	84		9.00	9.08					1 S							
92030	10.804	0.051	10.437	0.056		0.348	0.071	T	0.41	0.10	L	10.5570	0.0036	0.025	105		10.51	10.60		C			1							G
92031	9.250	0.015	8.125	0.010	*	0.969	0.014	T	0.95	0.01	L *	8.2121	0.0020	0.018	155	*	8.18	8.25		D	18455+2815	I 1	2 C A	AB	122	8.649	0.010	2.25	0.05	
92032	7.893	0.007	6.699	0.005		1.022	0.007	T	1.00	0.01	L	6.7449	0.0008	0.008	131		6.73	6.76					1							S
92033	8.904	0.014	7.319	0.008		1.329	0.013	T	1.29	0.01	L	7.3201	0.0018	0.011	82		7.29	7.34		C			1							S
92034	9.892	0.024	7.734	0.009		1.783	0.020	T	1.81	0.02	L	7.6065	0.0013	0.011	90		7.59	7.63					1							S
92035	9.796	0.026	9.026	0.022		0.701	0.027	T	0.76	0.02	L	9.1329	0.0027	0.019	70		9.11	9.17		C			1							
92036	6.537	0.002	6.524	0.003		0.017	0.003	T	0.04	0.00	L	6.5413	0.0010	0.016	235		6.51	6.56	9.97	P 1 A			1							S P
92037	10.894	0.046	9.269	0.019		1.360	0.039	T	1.33	0.04	L	9.2859	0.0017	0.021	137		9.25	9.33		D			1							
92038	7.319	0.007	7.164	0.007		0.178	0.001	G	0.20	0.00	H	7.1899	0.0009	0.009	100		7.17	7.21					1							S
92039	7.065	0.006	6.842	0.007		0.211	0.015	G	0.23	0.02	H	6.8727	0.0014	0.010	76		6.86	6.89					1							S
92040	6.738	0.005	6.428	0.005		0.296	0.008	T	0.34	0.01	L	6.4784	0.0007	0.007	115		6.47	6.49		C			1 G							S
92041	3.049	0.003	3.152	0.003		–0.107	0.007	G	–0.10	0.02	A	3.1339	0.0007	0.004	69		3.13	3.14					1							S
92042	10.382	0.024	9.327	0.016		0.915	0.022	T	0.91	0.02	L	9.3935	0.0028	0.031	168		9.35	9.47					1							
92043	4.761	0.002	4.259	0.001		0.483	0.002	T	0.55	0.00	L	4.2992	0.0006	0.004	119		4.29	4.30			18457+2033	I 1	1							S
92044	8.886	0.013	8.316	0.012	A	0.400	0.495	G	0.60	0.05	L *	8.3255	0.0018	0.016	108	*	8.30	8.35		D	18457–1340	I 1	2 C A	AB	70	2.705	0.044	3.07	0.08	S
92045	9.816	0.015	9.508	0.017		0.294	0.024	T	0.34	0.03	L	9.5566	0.0023	0.026	164		9.51	9.60		C			1							
92046	9.474	0.025	8.493	0.018	*	0.860	0.023	T	0.87	0.02	L *	8.5435	0.0019	0.014	71	*	8.51	8.57			18457–4226	H 1	2 C S A	AB	354	0.139	0.019	1.41	0.62	
92047	6.932	0.006	6.718	0.006		0.204	0.008	T	0.22	0.01	L	6.7529	0.0009	0.008	91		6.74	6.77		C			1							S
92048	10.046	0.025	8.097	0.010		1.652	0.022	T	2.17	0.06	O	7.9509	0.0035	0.040	115		7.89	8.02		U 2			1							
92049	10.663	0.031	10.247	0.034		0.393	0.043	T	0.46	0.05	L	10.2536	0.0028	0.044	232		10.17	10.33					1 S							G
92050	9.582	0.022	7.727	0.010		1.542	0.019	T	1.60	0.04	L	7.6843	0.0016	0.010	68		7.66	7.70					1							
92051	9.873	0.024	9.208	0.021		0.606	0.024	T	0.68	0.02	L	9.2542	0.0023	0.017	81		9.22	9.28		C			1							
92052	7.159	0.006	7.120	0.008		0.041	0.009	T	0.06	0.01	L	7.1311	0.0012	0.008	78		7.11	7.15		C			1							S
92053	11.873	0.116	9.834	0.031		1.726	0.099	T	1.71	0.17	K	9.7307	0.0028	0.020	113		9.69	9.77		C			1							
92054	10.733	0.052	8.876	0.019		1.544	0.044	T	1.60	0.10	L	8.7637	0.0024	0.021	87		8.74	8.80					1 X							
92055	11.278	0.074	10.104	0.042		1.007	0.066	T	0.98	0.05	L	9.9418	0.0070	0.050	75		9.89	10.61		P 1 A			1 S							G
92056	6.480	0.004	5.350	0.003		0.953	0.006	G	0.95	0.03	C	5.4096	0.0005	0.005	114		5.40	5.42		C			1							S
92057	7.791	0.007	7.813	0.008		–0.015	0.010	T	0.01	0.01	L	7.8222	0.0012	0.009	106		7.81	7.84		C			1							S
92058	9.878	0.014	8.710	0.009		1.002	0.013	T	0.98	0.01	L	8.7648	0.0015	0.020	221		8.73	8.81					1							
92059											T	13.2934	0.0846	0.450	43		12.43	13.90		U			1 G							D
92060	7.248	0.008	7.050	0.009	*	0.215	0.015	G	0.24	0.02	H *	7.1464	0.0012	0.013	127	*	7.13	7.17		D	18458+3431	I 1	2 C A	AB	155	4.233	0.003	1.45	0.02	S
92061						0.970	0.020	G	0.95	0.02	H	11.6791	0.0060	0.052	77		11.59	11.77					1							G
92062	7.579	0.011	7.004	0.011	*	0.532	0.015	G	0.60	0.02	H *	7.0765	0.0011	0.009	94	*	7.06	7.09		D	18459–1030	I 1	2 C A	AB	337	4.130	0.003	1.26	0.02	S
92063	9.539	0.024	8.987	0.023	A	0.480	0.100	G	0.58	0.06	L *	9.0237	0.0030	0.021	82	*	8.99	9.06		C	18459–4046	H 1	2 C B	AB	261	4.706	0.066	3.27	0.12	
92064	9.414	0.016	7.668	0.008		1.456	0.014	T	1.46	0.02	L	7.6571	0.0013	0.015	118		7.64	7.68					1							S
92065	9.357	0.012	9.067	0.013		0.276	0.017	T	0.31	0.02	L	9.1144	0.0017	0.023	157		9.07	9.17					1							
92066	7.528	0.005	7.443	0.009		0.077	0.009	T	0.09	0.01	L	7.4622	0.0017	0.019	93		7.43	7.48		U 2			1							S
92067	11.459	0.108	10.137	0.052		1.122	0.094	T	1.08	0.10	L	10.2340	0.0316	0.175	67		10.02	10.55	7.51	P 1 A			1							G
92068	9.708	0.021	9.586	0.027		0.118	0.032	T	0.13	0.03	L	9.6083	0.0026	0.022	82		9.57	9.65		C			1							G
92069	10.397	0.030	9.937	0.032		0.434	0.040	T	0.50	0.04	L	10.0186	0.0026	0.020	107		9.98	10.07		C			1							G
92070	9.475	0.021	8.246	0.014		1.050	0.020	T	1.02	0.02	L	8.3079	0.0015	0.013	70		8.28	8.33		C			1							
92071	10.043	0.026	8.339	0.012		1.423	0.023	T	1.41	0.04	L	8.3097	0.0016	0.017	91		8.28	8.34					1							
92072	6.135	0.004	6.228	0.006		–0.080	0.006	T	–0.06	0.01	L	6.2243	0.0009	0.008	67		6.21	6.24		C			1							S
92073	9.125	0.014	8.925	0.016		0.191	0.020	T	0.21	0.02	L	8.9861	0.0031	0.026	95		8.92	9.01		U 2			1							
92074	9.581	0.019	9.225	0.020		0.337	0.026	T	0.39	0.04	L	9.2960	0.0020	0.019	111		9.25	9.33					1							
92075	7.750	0.006	7.709	0.008		0.043	0.009	T	0.06	0.01	L	7.7328	0.0012	0.011	110		7.71	7.75		C			1							S
92076	8.365	0.009	8.264	0.011		0.098	0.013	T	0.11	0.01	L	8.2900	0.0013	0.013	130		8.27	8.32					1							
92077	8.656	0.013	8.241	0.013		0.384	0.015	G	0.45	0.02	H	8.3051	0.0016	0.015	78		8.28	8.33		C			1							S
92078	7.883	0.008	7.379	0.008		0.474	0.010	T	0.55	0.01	L	7.4280	0.0009	0.008	65		7.41	7.45		C			1							S
92079	8.474	0.013	6.615	0.007		1.578	0.012	T	2.85	0.02	O	6.2860	0.0050	0.038	91		6.20	6.33		U 2			1 S							S
92080	8.405	0.011	7.300	0.006		0.953	0.010	T	0.94	0.01	L	7.3530	0.0010	0.009	119		7.34	7.37					1							S
92081	10.961	0.045	9.201	0.017		1.467	0.038	T	1.48	0.06	L	9.1680	0.0022	0.021	127		9.13	9.20					1 S							
92082	9.552	0.022	8.033	0.012		1.277	0.020	T	1.24	0.02	L	8.0360	0.0015	0.012	88		8.02	8.05		C			1							
92083	8.612	0.012	8.310	0.013		0.296	0.015	G	0.34	0.02	H	8.3598	0.0013	0.012	76		8.34	8.38		D			1							
92084	8.537	0.010	8.435	0.012		0.099	0.015	T	0.11	0.02	L	8.4829	0.0016	0.013	108		8.46	8.51		C			1							
92085	7.414	0.011	7.004	0.008		0.422	0.003	G	0.49	0.00	H	7.0311	0.0012	0.008	70		7.02	7.05		C			1							S
92086	7.808	0.008	6.715	0.007		0.944	0.008	T	0.93	0.01	L	6.7740	0.0011	0.008	75		6.76	6.79					1							S
92087	11.450	0.107	10.559	0.074		0.793	0.097	T	0.82	0.07	L	10.7983	0.0045	0.044	65		10.71	10.86					1							G
92088	6.376	0.003	4.960	0.002		1.199	0.004	G	1.16	0.03	C	4.9908	0.0005	0.006	165		4.98	5.00		C			1							S
92089	7.015	0.005	6.957	0.005		0.058	0.007	T	0.07	0.01	L	6.9867	0.0008	0.010	155		6.97	7.00		C			1							S
92090	8.678	0.011	8.495	0.013	A	0.100	0.495	G	0.14	0.05	L *	8.4898	0.0015	0.015	101	*	8.46	8.51		D	18461–1529	I 1	2 C B	AB	304	2.592	0.072	3.32	0.12	
92091	9.833	0.028	9.602	0.033		0.220	0.041	T	0.24	0.05	L	9.6616	0.0028	0.023	69		9.63	9.70		C			1							G
92092	10.598	0.047	9.128	0.022		1.000	0.040	G	0.98	0.03	R	9.1767	0.0028	0.017	76		9.15	9.21		C			1							
92093	10.130	0.026	8.793	0.015		1.134	0.023	T	1.10	0.02	L	8.8209	0.0018	0.017	118		8.79	8.85					1							
92094	8.759	0.013	6.941	0.006		1.513	0.011	T	1.55	0.02	L	6.8966	0.0009	0.012	83		6.88	6.92					1							S
92095	8.082	0.011	7.936	0.010		0.140	0.014	T	0.15	0.01	L	7.9542	0.0020	0.018	99		7.93	7.99		U			1							S
92096	8.312	0.008	8.095	0.009	*	0.201	0.015	G	0.22	0.02	H *	8.1300	0.0015	0.013	115	*	8.11	8.16		D	18462+4408	H 1	2 C A	AB	259	0.724	0.013	3.09	0.06	S
92097	8.891	0.011	8.448	0.011		0.432	0.012	T	0.50	0.01	L	8.5036	0.0016	0.018	136		8.48	8.54					1							
92098	5.902	0.004	6.042	0.004		–0.120	0.005	T	–0.11	0.01	L	6.0260	0.0008	0.006	115		6.02	6.04					1							S
92099	10.246	0.035	9.006	0.021		1.058	0.032	T	1.02	0.03	L	9.0365	0.0037	0.018	69		9.00	9.07					1							
92100	9.265	0.016	8.625	0.014	*	0.594	0.018	T	0.66	0.02	L *	8.5974	0.0015	0.014	103	*	8.57	8.62		D	18462+6412	I 1	2 C A	AB	327	0.865	0.004	1.07	0.02	

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1 %	F2
1 2	h m s	±° ′ ″	mag	5 6 7	deg 8	deg 9 10	mas 11	mas/yr 12	mas/yr 13	mas 14	mas 15	mas 16	mas/yr 17	mas/yr 18	19	20	21	22	23	24	25	26	27	28	29	30
92101	18 46 14.15	+02 57 13.2	8.17	H	281.558 961 25	+02.953 666 27	12.03	68.48	−9.78	0.84	0.61	0.99	0.87	0.74	+21	−25	−	1	−27	−	1	+	8	+	1	−23	−	1	+21	0	1.53
92102	18 46 15.00	−58 30 55.0	8.99	H	281.562 502 68	−58.515 281 02	6.59	−3.99	−33.45	1.01	0.90	1.29	1.15	0.97	+20	−32	−16	+	6	−37	+	2	−32	−35	+11	+28				0	0.43
92103	18 46 15.80	−72 48 48.1	6.84	H	281.565 831 28	−72.813 371 22	15.01	−53.41	−79.45	0.40	0.50	0.68	0.42	0.57	−	8	−10	+	5	+14	−	1	−	8	−	1	−20	−	2	−	9	1	0.33
92104 H	18 46 16.28	−27 20 46.3	8.12	H	281.567 834 37	−27.346 207 62	A	11.93	−23.82	−61.24	2.12	1.49	1.85	2.36	1.56	+18	−13	−31	+	2	−	8	−27	−26	−47	+38	+	8	0	0.69
92105	18 46 16.81	−16 03 20.8	9.89	G	281.570 052 90	−16.055 780 49		1.17	0.95	−3.63	1.62	0.86	1.63	1.92	1.23	−21	−20	+	5	−	2	+21	+13	+22	−53	+	7	−16	0	0.91
92106	18 46 18.25	−41 55 04.5	7.09	H	281.576 035 54	−41.917 916 10		3.35	3.88	−18.75	0.80	0.55	0.91	1.01	0.65	+14	−30	−18	+	2	+	8	−	7	−	2	−34	+10	−	9	0	−0.26
92107	18 46 19.07	+15 54 40.2	9.13	H	281.579 457 03	+15.911 164 49		0.55	−1.70	−6.40	1.15	1.10	1.53	1.37	1.40	+14	−11	−33	−42	−	9	+22	−	8	−41	+39	+37			0	−0.05
92108	18 46 19.26	−35 51 38.1	9.09	H	281.580 265 46	−35.860 571 85		5.35	4.51	12.02	1.14	0.79	1.49	1.54	0.96	−	9	−	6	−36	−26	+39	−31	+21	−67	+37	−35			0	0.34
92109	18 46 19.64	+05 09 11.4	7.98	H	281.581 846 64	+05.153 172 18		3.88	0.39	−13.19	0.86	0.63	0.99	0.89	0.73	+	1	−	6	−27	−40	+13	−	5	+13	−35	+24	−15	2	−0.06
92110	18 46 19.94	−42 27 30.5	8.69	H	281.583 072 41	−42.458 482 88		6.03	7.68	−24.83	1.13	0.73	1.25	1.40	0.92	+13	−36	−	7	+	2	−	2	−	5	−10	−38	+	8	−	4	0	−1.24
92111	18 46 20.59	−22 23 31.9	5.37	1 H	281.585 785 18	−22.392 184 49		2.55	32.04	3.45	0.94	0.39	1.03	0.90	0.51	−11	−59	+	3	+14	−	1	+31	−14	−14	+16	−13			0	1.32
92112	18 46 22.26	+75 26 01.7	5.37	H	281.592 766 11	+75.433 797 35		10.73	−12.19	68.62	0.48	0.41	0.48	0.48	0.50	−	3	−15	+	9	−20	+	5	−19	+10	−17	−17	+11			1	3.03
92113	18 46 22.89	+41 41 19.6	8.26	H	281.595 395 54	+41.688 781 79		5.18	−4.74	4.28	0.58	0.59	0.71	0.64	0.70	+	2	−21	−	3	+	9	+	7	−10	+	1	+13	+22	+	5	3	0.90
92114	18 46 24.18	+38 19 17.8	8.66	H	281.600 768 35	+38.321 622 44		2.26	1.16	−2.11	0.77	0.73	0.92	0.99	0.93	−	7	−19	+11	+	5	+10	−	7	+	8	−	2	+11	−	5	0	−0.47
92115	18 46 26.63	−31 20 32.1	9.54	G	281.610 948 66	−31.342 236 68		1.95	−0.05	−4.45	1.48	0.88	1.57	1.97	1.19	−	6	−34	+	3	+	9	+	1	−	8	−13	−42	+11	−28	6	−1.07
92116	18 46 28.10	+43 33 39.0	7.19	H	281.617 097 57	+43.560 830 36		2.36	−1.89	−1.68	0.49	0.52	0.57	0.51	0.63	+	8	−	4	+	2	+	2	+13	−	3	+15	+24	+	0	+	9	1	−0.82
92117	18 46 28.58	−00 57 41.9	5.89	G	281.619 094 63	−00.961 639 56	A	12.62	20.00	−21.79	1.75	1.30	1.48	1.67	1.36	+68	−	2	−	3	−37	−29	−12	−45	−63	−	9	+31	16	2.73
92118 T	18 46 29.31	−00 57 48.4	7.51	H	281.622 127 71	−00.963 449 34	B	13.11	26.87	−15.03	11.88	8.31	7.71	8.82	7.26	+68	−	1	−	1	−28	−29	−15	−43	−57	−11	+34			16	2.73
92119	18 46 29.82	+00 52 11.5	8.69	H	281.624 244 87	+00.869 848 27		1.86	−3.30	−9.48	0.98	0.69	1.19	0.92	0.77	+33	−31	−21	−24	+	4	+	4	+	0	−38	+	7	+	4	0	−0.94
92120	18 46 30.76	−33 54 30.0	7.67	G	281.628 166 83	−33.908 330 05		4.38	2.43	−16.11	1.19	0.75	1.26	2.23	1.21	−31	−10	−13	−19	+39	−19	+19	−61	+20	−66				0	0.02
92121	18 46 31.28	−64 02 28.8	7.96	G	281.630 333 10	−64.041 322 98		3.63	−10.87	−30.47	0.72	0.64	0.93	0.97	0.83	−20	−13	−	4	+24	−19	+	6	−16	+	8	+19	+	6	0	1.71
92122 H	18 46 34.62	+38 21 04.0	8.10	G	281.644 236 87	+38.351 119 06	*	27.01	17.16	−77.75	1.17	1.35	0.93	1.27	1.33	−13	−14	+11	−	4	+18	−	3	+14	+	0	+16	−	9	1	0.09
92123	18 46 34.85	+05 01 27.6	9.02	H	281.645 207 54	+05.024 346 00		5.36	−4.67	−2.93	1.16	0.92	1.37	1.12	0.94	+18	−	3	−38	−56	+	2	−14	+	0	−49	+19	−	7	0	−0.95
92124 H	18 46 35.25	+40 41 43.1	11.02	H	281.646 877 95	+40.695 293 47	*	−0.39	2.07	14.72	1.06	1.24	1.39	1.19	1.48	+	2	−	4	−13	+	1	+	9	−	5	+	9	−13	+21	+10	0	0.63
92125	18 46 36.17	+12 07 01.2	8.66	H	281.650 723 05	+12.117 011 10		1.15	5.88	0.02	1.08	0.79	1.13	1.56	1.20	+14	−19	+	1	+	4	+26	+11	+21	+	8	+19	+38			0	0.69
92126 H	18 46 36.67	−08 07 11.1	6.99	G	281.652 806 54	−08.119 750 42	A	6.93	20.13	2.44	1.47	1.02	1.24	1.20	0.91	+15	−28	−20	−	3	+	4	+	3	+	2	−30	+	6	+	6	1	−0.11
92127	18 46 36.75	+25 32 20.3	7.95	H	281.653 108 99	+25.538 967 72		5.87	0.97	−6.70	0.46	0.54	0.82	0.53	0.64	−	4	−25	−	8	+	4	+12	−14	+	7	−	6	+14	−	5	0	1.17
92128	18 46 38.08	−07 55 55.1	9.16	2 H	281.658 668 75	−07.931 977 42		−0.76	0.87	−0.18	1.11	0.69	1.19	1.19	0.88	+23	−17	−13	−	8	−	9	+12	−	6	−47	+	5	+24			0	0.01
92129	18 46 39.23	+30 35 11.7	7.58	H	281.663 445 71	+30.586 570 35		2.40	−3.27	−7.66	0.48	0.53	0.73	0.56	0.61	+	4	+	0	−	1	+20	+13	−26	+14	+	5	+16	+	3	0	1.40
92130	18 46 39.43	−39 43 51.1	6.88	1 H	281.664 286 06	−39.730 860 24		0.73	−11.38	−24.21	0.80	0.49	0.91	0.96	0.67	+	4	−32	−11	−	7	+	7	+	5	+	2	−38	+11	−	3	2	−0.55
92131	18 46 41.35	+18 42 21.5	6.18	1 G	281.672 300 62	+18.705 967 03		6.09	15.76	−24.69	0.41	0.44	0.71	0.50	0.53	−	3	−	8	−13	+11	−15	+	6	−11	−18	+11	+12			0	−0.61
92132	18 46 41.65	+44 41 06.7	9.46	H	281.673 546 74	+44.685 193 46		1.03	−9.31	−27.67	0.78	0.76	0.88	0.90	0.98	−	8	+17	+	1	−24	+	8	−13	+	5	+	3	−	1	+	9	1	2.02
92133	18 46 43.08	+52 59 16.7	5.91	2 H	281.679 492 34	+52.987 970 02		1.50	10.13	−3.99	0.49	0.41	0.48	0.50	0.47	+	0	−11	−	6	−14	+	6	−14	+	3	+	9	−	9	+14	0	−0.09
92134	18 46 43.13	−29 30 10.0	8.48	H	281.679 711 27	−29.502 779 06		16.99	−75.81	−174.53	1.19	0.66	1.25	1.58	1.01	−19	−31	−	9	+10	+	5	−	4	−	7	−36	+18	−36			0	0.92
92135	18 46 43.20	+63 15 56.7	7.26	H	281.680 017 57	+63.265 759 69		5.59	21.90	5.06	0.56	0.49	0.54	0.64	0.54	+	6	−13	+	7	−	8	+19	−	5	+16	+	4	+	6	+14	1	0.21
92136	18 46 43.32	−10 07 30.1	5.69	G	281.680 517 16	−10.125 038 54		−0.07	0.37	−3.91	0.79	0.48	0.85	0.82	0.64	+14	−33	+16	+	8	−19	+	2	−	7	−56	−17	+30			0	0.89
*92137	18 46 45.84	+67 46 17.2	7.14	H	281.691 015 50	+67.771 457 29		4.31	1.77	10.42	0.51	0.48	0.52	0.50	0.54	−	1	−27	+	8	−13	+	13	+	5	+11	+15	−	2	+15	0	−1.91
*92138	18 46 45.81	+27 28 49.3	7.66	H	281.690 869 13	+27.480 368 65		2.67	−6.54	−36.75	0.51	0.60	0.79	0.69	0.72	+	9	+	0	+16	+25	+18	+10	+16	+12	+10	+12			0	−0.19
92139	18 46 46.32	−14 50 53.0	8.62	H	281.693 001 78	−14.848 056 06		2.29	6.39	−2.06	1.01	0.53	1.05	0.93	0.65	−	5	−37	+	2	+	3	+	7	+13	+12	−45	+	0	+	2	2	0.30
92140 H	18 46 46.38	−14 27 53.0	7.28	G	281.693 244 94	−14.464 731 37	A	18.52	−43.43	−267.81	1.39	0.80	1.38	1.33	0.93	+	5	−27	−22	+	9	+10	+	3	−	4	−44	+31	−10	6	2.67
*92141	18 46 47.28	+70 23 24.9	8.11	G	281.696 992 01	+70.390 253 67		2.47	11.82	13.36	0.61	0.55	0.61	0.63	0.65	+14	−22	−10	−48	−15	−	1	−21	−25	+26	+10			0	0.67
*92142	18 46 47.27	−29 37 53.6	6.83	2 H	281.696 948 29	−29.631 558 62		4.61	−33.79	−35.73	0.98	0.54	1.08	1.13	0.77	−	9	−41	−19	+	9	+10	−	7	−	6	−34	+29	−26			0	1.51
92143	18 46 47.60	−43 47 18.9	7.39	H	281.698 344 01	−43.788 591 47		9.13	38.27	−66.43	0.75	0.55	0.90	0.96	0.64	+	3	−14	−22	+	9	+11	+	1	+	8	−28	+10	−	3	0	0.78
92144	18 46 47.80	−02 01 13.4	9.72	H	281.699 168 91	−02.020 395 09		2.04	−1.20	−9.31	1.50	1.05	1.67	1.70	1.47	+10	−15	−13	−37	−	8	+	5	−	2	−56	+	2	+20			0	1.54
92145	18 46 50.02	−84 43 36.3	8.77	H	281.708 401 36	−84.726 737 33		3.59	7.20	−39.11	0.71	0.80	0.92	0.82	1.02	−17	−11	+	7	+21	−19	−14	−18	+20	−	9	−27			1	−1.78
92146	18 46 50.02	+12 33 16.2	7.90	H	281.708 414 81	+12.554 498 75		2.47	11.13	1.24	0.83	0.65	1.00	1.25	0.88	+10	−15	+26	+23	+42	+39	+29	+26	+39	+53			0	−1.63
92147	18 46 50.09	−54 26 08.8	11.53	G	281.708 707 55	−54.435 789 19		0.19	−14.93	−12.21	2.39	1.81	2.89	2.70	1.98	+14	−29	−18	+30	−30	+	3	−29	−	2	+14	+15			2	−0.46
92148	18 46 52.27	−65 14 58.6	7.03	2 H	281.717 797 37	−65.249 604 11		2.57	7.28	2.23	0.51	0.55	0.80	0.56	0.54	+	7	−	6	−18	−25	+	6	−15	+	3	−33	−	4	+20	0	0.71
92149	18 46 52.94	+60 43 47.7	8.72	H	281.720 579 14	+60.729 921 73		3.43	−11.97	−5.51	0.81	0.65	0.71	0.88	0.77	+	6	−12	−	3	+46	+13	−12	+15	+17	−	8	+	7	0	−0.12
92150	18 46 54.69	−07 34 44.8	7.22	G	281.727 893 20	−07.579 118 48		3.02	3.19	−0.74	0.87	0.48	0.92	0.89	0.62	+17	−41	−14	+	7	−	5	+10	−	5	−31	−	2	+	6	0	1.47
92151	18 46 55.59	+09 25 09.2	7.66	2 H	281.731 618 16	+09.419 233 30		1.78	6.29	−4.24	0.87	0.65	0.99	0.88	0.72	+	5	−31	+11	−12	+10	−15	+	7	−29	+	8	−	6	0	1.33
92152	18 46 55.89	−29 57 35.9	9.73	2 G	281.732 882 61	−29.959 959 22		0.19	0.94	−3.07	1.57	0.87	1.55	1.85	1.14	−25	−40	−10	+19	+	2	−11	−	6	−20	+	9	−41			0	0.16
92153 H	18 46 56.53	+59 19 51.5	7.94	H	281.735 526 80	+59.330 969 69	A	7.23	47.69	54.60	1.40	1.29	1.24	1.55	1.63	+	6	−	6	+	6	+24	+10	+19	+18	+	1	−	1	+36	1	−0.41
92154	18 46 57.81	−22 17 35.4	8.67	H	281.740 855 41	−22.293 180 54		1.16	1.42	−3.94	1.10	0.54	1.21	1.18	0.72	−	6	−48	−	1	+	5	+	1	+21	−13	−34	+18	−15	0	1.18
92155	18 46 58.97	−03 46 48.1	9.65	H	281.745 708 30	−03.780 034 58		5.87	−3.29	−1.39	1.28	0.85	1.48	1.48	1.09	−	7	−20	+	1	−	2	+20	+23	+15	−38	−11	−27			0	0.83
92156	18 46 59.07	+46 18 53.9	6.52	H	281.746 105 99	+46.314 960 28		5.25	4.05	−15.64	0.52	0.54	0.60	0.64	0.71	+	2	−11	−	9	−10	−	9	+	3	−	9	−17	+19	+21	0	0.86
92157	18 46 59.10	−50 05 40.3	6.54	G	281.746 266 88	−50.094 534 63		9.52	4.08	−41.67	0.72	0.59	0.85	0.99	0.69	+18	−20	−16	−14	−	9	−22	−16	−41	+	9	−	1	0	−0.42
92158	18 46 59.89	−41 09 44.7	8.03	H	281.749 561 91	−41.162 423 28		2.97	1.05	−6.98	0.98	0.73	1.17	1.39	0.90	−20	−	3	−35	−17	+45	−26	+30	−53	+34	−44			0	−0.10
92159	18 46 59.99	−50 49 20.0	8.20	G	281.749 954 77	−50.822 235 86		0.45	1.64	−8.44	0.98	0.74	1.08	1.32	0.95	+12	−15	−	1	−15	−21	−18	−23	−38	+	1	+	0	0	−1.27
92160	18 47 00.48	+70 58 23.3	8.60	H	281.751 982 49	+70.973 140 04		3.66	−11.35	1.33	0.71	0.66	0.74	0.78	0.77	−	2	−18	+10	−36	+	2	+	4	−	5	−15	+21	+15	0	0.96
92161	18 47 01.22	+18 10 52.4	4.34	H	281.755 093 17	+18.181 229 68		35.17	83.74	119.01	0.44	0.45	0.68	0.56	0.59	+18	−14	−15	+18	−36	+24	−40	−27	+21	+	2			0	0.23
*92162	18 47 01.79	+82 43 27.7	9.34	H	281.757 449 53	+82.724 364 37		13.78	184.75	291.22	0.71	0.78	0.81	0.90	0.99	+	4	−19	−	1	+16	+	7	−15	+	8	−	1	+	1	+12	0	−1.08
*92163	18 47 01.68	+08 56 34.5	8.74	H	281.757 002 97	+08.942 918 85		3.81	0.18	−9.34	0.92	0.75	1.14	0.92	0.77	+20	−38	−34	−	8	+	6	−	8	−	8	−32	+17	+	0	0	−0.20
92164	18 47 02.00	+03 45 03.6	8.56	H	281.758 313 22	+03.751 003 01		0.24	19.98	12.85	0.91	0.67	1.24	1.15	1.00	+21	−22	+	2	−18	+	8	+43	+12	−	7	−	4	+23	2	−0.72
92165	18 47 04.98	−49 18 11.8	9.46	G	281.770 765 85	−49.303 272 66		12.00	20.68	−54.72	1.32	1.04	1.58	1.77	1.20	+26	−31	−27	−	9	−	2	−	2	−11	−41	+10	−	2	0	−0.44
92166	18 47 05.49	−26 15 02.6	10.02	G	281.772 894 84	−26.250 735 94		−0.79	−12.03	−8.89	1.91	1.14	2.08	2.66	1.82	+10	−19	+	5	+	5	−22	−21	−23	−50	+	8	+13	2	−1.34
*92167	18 47 05.73	+74 43 30.8	7.18	G	281.773 887 65	+74.725 209 82		6.18	319.24	79.89	0.56	0.48	0.56	0.56	0.57	−	1	−16	+12	−	2	−	1	−17	+	4	−20	−15	+	6	0	−0.05
*92168	18 47 05.67	+16 31 33.3	7.60	H	281.773 605 84	+16.525 923 26		2.69	14.55	3.45	0.73	0.65	0.96	0.83	0.82	+10	−	7	−35	−35	−16	+17	−14	−45	+28	+	7			0	0.96
92169	18 47 06.08	−45 59 05.5	8.86	G	281.775 325 79	−45.984 852 16		4.48	−7.01	−29.27	1.12	0.89	1.30	1.60	1.14	+32	+	1	−	1	−19	−13	−15	−14	−45	−	3	+32	0	−0.26
92170	18 47 07.84	+35 52 32.4	7.46	H	281.782 664 73	+35.875 675 83		2.19	7.30	8.20	0.46	0.51	0.60	0.53	0.73	−	2	−	5	−	3	+10	+	0	−10	+	2	+25	+	2	−13	1	1.82
92171	18 47 08.28	−05 53 54.8	7.05	G	281.784 481 43	−05.898 558 07		8.06	10.39	−2.88	0.80	0.50	0.87	0.84	0.60	−	1	−22	−22	−23	+14	+	0	+	5	−50	+	6	−31	0	0.14
92172 H	18 47 08.78	−62 43 57.1	8.41	G	281.786 594 83	−62.732 536 22	A	6.50	−12.94	−50.07	2.85	3.08	3.04	3.90	4.03	−42	+	1	−	6	+15	−15	−15	−16	+22	+	3	−47	3	0.96
92173	18 47 09.71	−37 01 12.2	9.32	H	281.790 457 90	−37.020 063 10		6.74	−20.97	−19.87	1.24	0.77	1.48	1.44	0.95	+15	−40	−	6	−	9	+	7	−	4	+	4	−52	−	1	+	9	0	−1.05
92174	18 47 10.02	+53 49 44.9	8.24	H	281.791 735 33	+53.829 139 03		2.15	0.08	12.48	0.64	0.61	0.66	0.69	0.78	+	7	+	1	−	2	+	8	−	3	+	5	−	6	+24	−13	+13	0	0.58
92175	18 47 10.48	−04 44 52.2	4.22	G	281.793 655 58	−04.747 828 71	+	4.73	−7.71	−15.89	0.83	0.65	0.79	0.73	0.51	−33	−17	−15	−	3	+	2	+18	−	8	−30	−11	−47	0	1.89
92176	18 47 10.72	−26 12 55.6	9.02	H	281.794 669 44	−26.215 443 01		4.54	−27.11	−49.79	1.39	0.81	1.43	1.86	1.31	+	8	−28	+	2	+	9	−30	−	9	−30	−48	+	9	+16	0	2.25
92177	18 47 10.74	+10 45 49.4	8.35	2 H	281.794 743 42	+10.763 710 49		3.77	5.44	−13.51	0.86	0.67	1.06	1.05	0.82	+15	−20	−19	−	5	+14	−	8	+	4	−19	+31	−	3	4	0.24
92178 H	18 47 13.08	+31 24 20.0	7.22	G	281.804 519 94	+31.405 567 69	A	3.99	0.48	16.04	0.76	0.81	0.94	0.83	0.85	+11	−14	−	3	+25	+10	+	4	+10	+17	+	5	+15	4	0.09
92179 H	18 47 13.52	−11 12 58.4	8.77	H	281.806 339 79	−11.216 219 92	A	3.48	−1.92	−23.01	1.70	0.99	1.63	1.95	1.31	+17	−31	−13	+20	+	0	+11	−10	−46	+13	+	1		1	−0.31
92180	18 47 14.38	+02 36 06.8	8.64	H	281.809 906 80	+02.601 885 11		2.09	−2.92	−10.45	0.89	0.64	1.07	1.03	0.87	+20	−27	−	4	−14	+10	+18	+11	−11	+	9	+36			0	0.02
92181	18 47 16.52	−48 07 52.5	9.90	G	281.818 843 45	−48.131 254 61		19.03	−21.03	−220.07	1.40	1.01	1.60	1.66	1.14	+	0	−37	−	4	−11	+	1	+	3	+	2	−33	−	4	−	8	0	0.57
92182	18 47 17.01	−01 45 51.6	10.40	H	281.820 854 86	−01.764 326 08		7.39	6.24	−1.78	1.56	1.09	1.91	1.84	1.50	+40	−	4	+21	−36	−16	−	8	−20	−59	−22	+18			0	−1.62
92183	18 47 17.41	+01 44 07.6	8.83	H	281.822 543 82	+01.735 443 51		5.49	−13.65	−67.21	0.99	0.71	1.18	0.99	0.80	+16	−21	−25	−29	+18	−	6	+14	−37	+21	−	5		0	−0.29
92184	18 47 17.73	−30 51 42.0	8.81	H	281.823 894 17	−30.861 654 68		5.70	−2.48	−17.54	1.22	0.64	1.28	1.61	0.88	+	4	−37	−25	+37	+	4	−	7	−24	−23	+22	−43	0	−1.43
92185	18 47 17.85	−25 12 58.4	9.12	H	281.824 379 52	−25.216 232 50		7.86	−3.66	−2.60	1.30	0.73	1.37	1.45	1.04	+	4	−41	+	6	+	3	−16	−	5	−21	−46	+10	+	5	0	3.12
92186	18 47 18.31	−38 49 17.4	8.73	H	281.826 299 99	−38.821 511 22		12.23	22.80	−35.40	1.07	0.70	1.18	1.46	0.99	+	1	−14	−	3	−	5	+14	−13	+15	−39	+	2	+	5	0	0.15
92187	18 47 18.59	+66 48 36.3	8.63	H	281.827 445 87	+66.810 094 17		3.01	4.73	14.52	0.63	0.57	0.66	0.45	0.63	−	2	−34	+13	−66	+	5	+23	+	4	−	9	−10	+	7	1	0.97
92188	18 47 19.03	−37 32 55.0	7.08	H	281.829 309 98	−37.548 606 95		7.87	3.36	−27.90	0.80	0.48	0.90	0.86	0.55	+12	−41	−	1	−	4	+	0	−	2	−	5	−47	−	6	−	6	0	1.48
92189	18 47 19.50	+13 45 55.5	9.30	H	281.831 239 71	+13.765 416 31		1.07	2.95	−3.70	1.19	0.89	1.31	1.33	1.06	+20	−44	−	4	+16	+32	+	7	+23	+15	+13	+30			0	0.18
92190	18 47 19.57	+28 59 10.3	8.27	H	281.831 534 88	+28.986 202 90		4.09	−0.74	5.34	0.60	0.59	0.79	0.78	0.71	+	5	−	3	+	2	+26	+12	+	1	+10	+12	+	9	+	0	0	−0.45
92191	18 47 19.94	+16 54 30.7	6.80	H	281.833 095 31	+16.908 535 24		2.54	−2.35	−9.08	0.59	0.53	0.80	0.68	0.66	−12	−10	−24	−40	−	6	+20	−	5	−44	+25	−10			0	0.55
92192	18 47 20.46	−69 59 04.9	8.15	1 H	281.835 244 05	−69.984 687 24		5.24	16.40	9.58	0.39	0.57	0.83	0.44	0.63	−	3	−	5	−	3	+36	−	7	−	8	−15	−13	−	5	−20	0	0.50
*92193	18 47 21.05	+55 47 04.8	8.37	H	281.837 691 17	+55.784 661 39		4.01	−4.24	4.40	0.61	0.56	0.64	0.74	0.67	+	9	−14	−	6	+14	+	9	+	1	+15	−	6	−	7	+32	0	3.27
*92194	18 47 21.02	+05 27 18.6	9.24	2 H	281.837 591 98	+05.455 165 54		0.59	2.12	1.69	1.25	0.85	1.48	1.43	1.07	−	4	−31	−	6	−	8	+12	−	8	+	4	−31	+15	−22	0	1.36
92195	18 47 21.13	+24 38 36.7	7.96	H

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
92101	8.752	0.011	8.231	0.010		0.500	0.015	G	0.57	0.02	H	8.2843	0.0021	0.014	94		8.27	8.31					1							
92102	9.361	0.019	9.046	0.021		0.299	0.027	T	0.34	0.04	L	9.0700	0.0021	0.016	64		9.05	9.10		C			1							
92103	7.371	0.005	6.886	0.005		0.489	0.004	G	0.52	0.02	A	6.9385	0.0009	0.010	182		6.92	6.96					1							S
92104	8.860	0.019	8.218	0.017	*	0.590	0.019	T	0.66	0.02	L *	8.2494	0.0022	0.015	77	*	8.22	8.28		D	18463−2721	I 1	2 C	A	AB	169	0.439	0.003	0.68	0.01	
92105	10.557	0.042	10.027	0.041		0.532	0.020	G	0.60	0.02	H	10.0414	0.0021	0.022	89		10.00	10.08		C			1							G
92106	8.449	0.013	7.203	0.011		1.063	0.013	T	1.03	0.01	L	7.2603	0.0011	0.009	80		7.25	7.28		C			1							S
92107	11.868	0.142	9.414	0.028		2.068	0.119	T	1.81	0.21	K	9.2271	0.0037	0.028	93		9.19	9.27					1							
92108	9.754	0.022	9.156	0.021		0.558	0.022	T	0.63	0.02	L	9.2087	0.0018	0.015	103		9.18	9.23		C			1							
92109	8.174	0.009	8.005	0.010		0.162	0.013	T	0.18	0.01	L	8.0413	0.0013	0.010	79		8.02	8.07		C			1							S
92110	9.101	0.019	8.761	0.020		0.329	0.030	T	0.38	0.04	L	8.7727	0.0023	0.018	69		8.74	8.80		C			1							
92111	7.482	0.007	5.566	0.004		1.591	0.006	T	1.61	0.01	L	5.4869	0.0015	0.009	85		5.47	5.51		M	18463−2224	I 1	1							S
92112	5.432	0.003	5.373	0.002		0.049	0.001	G	0.06	0.00	H	5.3903	0.0005	0.005	110		5.38	5.40		D			1	S						S
92113	8.432	0.010	8.278	0.011		0.148	0.014	T	0.16	0.01	L	8.3096	0.0015	0.015	115		8.28	8.34					1							S
92114	9.894	0.022	8.745	0.014		0.987	0.020	T	0.97	0.02	L	8.8298	0.0017	0.016	101		8.80	8.86					1							
92115	10.624	0.055	9.598	0.037		0.890	0.015	G	0.90	0.01	H	9.6465	0.0028	0.025	71		9.61	9.69					1							
92116	9.181	0.014	7.361	0.007		1.514	0.012	T	1.55	0.02	L	7.3157	0.0012	0.011	126		7.30	7.34					1							S
92117	6.045	0.003	5.893	0.004	A	0.131	0.003	G	0.17	0.03	C	5.9234	0.0046	0.020	108	A	5.90	5.99		D	18465−0058	I 2	1 C	P A						S
92118	7.804	0.008	7.484	0.010	B	0.308	0.004	G	0.29	0.05	L	7.6477	0.0199			B				D	18465−0058	I 2	1 C	I A						S
92119	10.487	0.031	8.805	0.014		1.405	0.027	T	1.38	0.03	L	8.8338	0.0019	0.015	101		8.81	8.86		C			1							
92120	8.970	0.016	7.824	0.011		1.014	0.015	G	0.99	0.01	H	7.8381	0.0018	0.012	59		7.82	7.86		C			1							
92121	9.449	0.017	8.091	0.010		1.171	0.015	G	1.13	0.01	H	8.1240	0.0014	0.014	98		8.10	8.14		C			1							
92122	9.142	0.014	8.174	0.010	*	0.825	0.015	G	0.87	0.01	H *	8.2274	0.0015	0.015	98	*	8.21	8.26		D	18466+3821	I 1	2 C	A	AB	292	0.247	0.005	0.76	0.09	S
92123	9.267	0.016	9.038	0.018		0.218	0.023	T	0.24	0.03	L	9.0842	0.0024	0.018	78		9.06	9.12		C			1							
92124	11.635	0.089	11.002	0.085	*	0.588	0.107	T	0.66	0.10	L *	11.1417	0.0039	0.038	123	*	11.07	11.21		C	18466+4042	H 1	2 C	S C	AB	65	0.152	0.085	1.32	1.32	G
92125	10.853	0.071	8.840	0.021		1.668	0.059	T	1.69	0.06	L	8.7631	0.0018	0.013	64		8.74	8.79		C			1							
92126	7.230	0.006	7.036	0.006	*	0.180	0.015	G	0.20	0.02	H *	7.0480	0.0012	0.009	102	*	7.03	7.06		D	18466−0807	I 1	2 C	A	AB	320	0.449	0.003	0.75	0.01	S
92127	8.148	0.007	7.970	0.007		0.171	0.009	T	0.19	0.01	L	8.0050	0.0009	0.013	175		7.98	8.03					1							S
92128	9.493	0.018	9.306	0.022		0.236	0.001	G	0.35	0.02	A	9.2365	0.0060	0.060	93		9.00	9.32		U 2 C			1							G
92129	9.505	0.017	7.721	0.008		1.486	0.015	T	1.51	0.02	L	7.7084	0.0014	0.013	140		7.68	7.73					1							
92130	8.990	0.014	7.088	0.006		1.613	0.013	T	2.13	0.04	O	6.9482	0.0021	0.015	90		6.93	6.98		U 2			1							S
92131	8.305	0.009	6.382	0.004		1.594	0.015	G	1.60	0.09	H	6.2904	0.0009	0.012	165		6.27	6.31		M			1							S
92132	10.548	0.034	9.561	0.025		0.864	0.031	T	0.88	0.02	L	9.6193	0.0021	0.018	98		9.59	9.65		C			1							
92133	5.777	0.007	5.889	0.010		−0.096	0.011	T	−0.08	0.01	L	5.8808	0.0086	0.065	92		5.77	5.94		U 2			1							S
92134	9.236	0.019	8.523	0.017		0.642	0.019	T	0.71	0.02	L	8.6140	0.0017	0.015	76		8.59	8.64		C			1							
92135	8.390	0.010	7.370	0.006		0.889	0.009	T	0.89	0.01	L	7.4193	0.0013	0.010	103		7.40	7.44		C			1							S
92136	6.421	0.006	5.787	0.004		0.584	0.004	G	0.79	0.02	A	5.8211	0.0011	0.007	82		5.81	5.83			18467−1007	I 1	1							S
92137	7.087	0.005	7.139	0.007		−0.030	0.015	G	−0.01	0.01	H	7.1388	0.0008	0.009	108		7.13	7.15		C			1							S
92138	8.924	0.011	7.762	0.008		0.997	0.011	T	0.98	0.01	L	7.8300	0.0012	0.013	147		7.81	7.86					1							
92139	9.173	0.014	8.683	0.014		0.486	0.020	G	0.56	0.02	H	8.7262	0.0014	0.014	120		8.70	8.75		C			1							
92140	7.824	0.008	7.345	0.007	A	0.462	0.002	G	0.53	0.00	H *	7.3880	0.0008	0.008	123	*	7.37	7.40		C	18468−1428	I 1	2 C	C	AB	155	5.895	0.046	4.08	0.15	S
92141	8.772	0.011	8.195	0.010		0.553	0.015	G	0.63	0.01	H	8.2299	0.0015	0.011	104		8.21	8.25		C			1							S
92142	8.873	0.016	7.081	0.008		1.523	0.015	T	2.68	0.03	O	6.8163	0.0070	0.050	76		6.73	6.89		U 2			1	S						S P
92143	7.747	0.008	7.436	0.012		0.287	0.024	G	0.33	0.03	H	7.4675	0.0019	0.011	77		7.44	7.49					1							S
92144	10.500	0.041	9.798	0.037		0.647	0.045	T	0.71	0.04	L	9.8532	0.0028	0.024	73		9.81	9.89		C			1							G
92145	10.219	0.024	8.859	0.014		1.152	0.022	T	1.11	0.02	L	8.9327	0.0019	0.018	121		8.90	8.96					1							
92146	8.014	0.011	7.900	0.014		0.111	0.017	T	0.12	0.02	L	7.9403	0.0015	0.010	68		7.92	7.96		C			1							S
92147						1.280	0.020	G	1.24	0.02	H	11.6884	0.0073	0.049	94		11.60	11.77					1							G
92148	9.259	0.017	7.227	0.007		1.720	0.015	T	2.08	0.04	O	7.1045	0.0023	0.025	143		7.08	7.17		U 2			1							S
92149	10.275	0.026	8.851	0.014		1.202	0.023	T	1.16	0.02	L	8.8837	0.0017	0.016	114		8.86	8.91		C			1							
92150	7.482	0.007	7.274	0.007		0.222	0.015	G	0.24	0.02	H	7.2933	0.0014	0.011	93		7.28	7.31		C			1							S
92151	9.991	0.027	7.927	0.010		1.747	0.024	T	2.83	0.03	O	7.6149	0.0027	0.027	72		7.56	7.68		U 2			1	S						
92152	9.581	0.024	9.689	0.037		−0.101	0.007	G	−0.08	0.01	H	9.7049	0.0054	0.043	75		9.64	9.79		U			1	S						G
92153	8.415	0.019	7.860	0.016	*	0.520	0.022	T	0.59	0.02	L *	8.0559	0.0014	0.013	121	*	8.03	8.08		R	18469+5920	I 1	2 C	A	AB	87	1.685	0.003	0.33	0.01	S
92154	8.768	0.012	8.694	0.016		0.109	0.020	G	0.12	0.02	H	8.7119	0.0017	0.013	79		8.69	8.73		C			1							
92155	10.040	0.031	9.650	0.033		0.400	0.020	G	0.47	0.02	H	9.7407	0.0029	0.022	74		9.69	9.77					1							G
92156	6.593	0.004	6.519	0.005		0.068	0.005	G	0.06	0.00	L	6.5431	0.0008	0.008	102		6.53	6.56		C			1							S
92157	6.874	0.005	6.566	0.006		0.291	0.017	G	0.33	0.02	H	6.6132	0.0008	0.006	67		6.60	6.62					1							S
92158	9.210	0.018	8.137	0.012		0.929	0.016	T	0.92	0.01	L	8.1925	0.0019	0.014	82		8.17	8.22		C			1							
92159	8.124	0.011	8.176	0.014		−0.057	0.002	G	−0.04	0.00	H	8.1967	0.0016	0.012	63		8.18	8.22		C			1							S
92160	9.751	0.020	8.689	0.014		0.921	0.018	T	0.92	0.01	L	8.7645	0.0016	0.014	100		8.74	8.79		C			1							
92161	4.514	0.002	4.360	0.002		0.148	0.003	T	0.16	0.00	L	4.3895	0.0005	0.004	138		4.38	4.40		C	18470+1811	I 1	1 G							S
92162	10.120	0.028	9.407	0.024		0.656	0.030	T	0.72	0.03	L	9.4807	0.0027	0.022	111		9.45	9.52			18471+8244	I 1	1							
92163	8.903	0.012	8.750	0.014		0.147	0.017	T	0.16	0.02	L	8.7946	0.0024	0.018	88		8.76	8.84					1							
92164	10.812	0.047	8.753	0.016		1.800	0.015	G	1.81	0.09	H	8.6529	0.0021	0.014	77		8.63	8.68		C			1							
92165	10.153	0.033	9.436	0.028		0.664	0.005	G	0.73	0.00	H	9.5574	0.0029	0.021	69		9.54	9.60		C			1							
92166	11.391	0.126	10.226	0.073		1.020	0.020	G	0.99	0.02	H	10.1460	0.0055	0.036	63		10.08	10.19					1	S						G
92167	8.107	0.008	7.283	0.006		0.763	0.021	G	0.89	0.03	C	7.3211	0.0006	0.008	116		7.30	7.34					1							S
92168	9.773	0.020	7.807	0.008		1.630	0.017	T	1.65	0.02	L	7.7063	0.0015	0.016	115		7.68	7.73					1							
92169	9.232	0.020	8.879	0.021		0.358	0.015	G	0.42	0.02	H	8.9498	0.0021	0.017	65		8.93	8.99		C			1							
92170	7.578	0.006	7.473	0.006		0.102	0.008	T	0.12	0.01	L	7.5029	0.0010	0.011	121		7.49	7.52		C			1							S
92171	7.160	0.006	7.068	0.007		0.094	0.003	G	0.11	0.00	H	7.0882	0.0009	0.008	88		7.08	7.10		C			1							S
92172	8.883	0.025	8.245	0.019	*	0.610	0.003	G	0.68	0.00	H *	8.5342	0.0016	0.017	109	*	8.50	8.57		D	18471−6244	I 1	2 C	A	AB	2	1.807	0.005	0.19	0.02	
92173	10.104	0.029	9.420	0.026		0.620	0.029	T	0.69	0.03	L	9.4507	0.0021	0.017	108		9.42	9.48		C			1							
92174	9.820	0.019	8.370	0.011		1.223	0.017	T	1.18	0.02	L	8.3953	0.0014	0.013	109		8.38	8.43					1							
92175	5.602	0.003	4.344	0.003		1.087	0.038	G	1.09	0.02	A	4.3804	0.0007	0.005	71		4.37	4.39		C			1 O							S
92176	9.770	0.034	9.120	0.031		0.595	0.034	T	0.67	0.03	L	9.1478	0.0026	0.015	62		9.13	9.17		C			1							
92177	8.560	0.011	8.431	0.014		0.117	0.016	T	0.13	0.02	L	8.3988	0.0032	0.019	74		8.36	8.80		P 1 A			1							
92178	8.140	0.012	7.202	0.009	*	0.890	0.015	G	0.87	0.03	C *	7.3603	0.0011	0.010	145	*	7.34	7.38		D	18472+3124	I 1	2 C	A	AB	267	3.909	0.006	2.05	0.03	S
92179	9.208	0.015	8.942	0.017	A	0.276	0.155	G	0.30	0.07	L *	8.8452	0.0020	0.016	96	*	8.81	8.87		D	18472−1113	H 1	2 C	A	AB	38	6.803	0.008	1.97	0.03	
92180	8.770	0.011	8.662	0.013		0.148	0.015	G	0.16	0.01	H	8.6881	0.0014	0.015	97		8.66	8.71		C			1							
92181	11.229	0.078	9.927	0.041		0.984	0.023	G	1.03	0.02	I	10.0210	0.0040	0.026	78		9.99	10.06		C			1							G
92182	11.011	0.056	10.466	0.055		0.511	0.070	T	0.58	0.07	L	10.5109	0.0033	0.032	99		10.46	10.55		C			1							G
92183	9.433	0.015	8.911	0.014		0.490	0.019	T	0.56	0.02	L	8.9386	0.0018	0.017	104		8.91	8.97		C			1							
92184	9.247	0.019	8.874	0.020		0.406	0.015	G	0.47	0.02	H	8.9012	0.0026	0.017	72		8.87	8.93		C			1							
92185	9.866	0.035	9.214	0.031		0.597	0.035	T	0.67	0.03	L	9.2460	0.0017	0.011	58		9.23	9.26					1							
92186	9.310	0.018	8.776	0.018		0.509	0.019	T	0.58	0.02	L	8.8434	0.0019	0.016	82		8.82	8.86					1							
92187	9.153	0.014	8.678	0.013		0.447	0.017	T	0.52	0.02	L	8.7269	0.0012	0.011	107		8.71	8.75					1							
92188	7.030	0.005	7.063	0.007		−0.043	0.001	G	−0.02	0.00	H	7.0710	0.0009	0.008	95		7.06	7.08		C			1							S
92189	9.485	0.021	9.379	0.028		0.103	0.033	T	0.12	0.04	L	9.3405	0.0029	0.019	65		9.31	9.37		C			1							
92190	8.474	0.010	8.289	0.011		0.177	0.014	T	0.19	0.02	L	8.3296	0.0016	0.016	130		8.30	8.36		C			1							S
92191	6.938	0.004	6.813	0.005		0.121	0.006	T	0.14	0.01	L	6.8447	0.0011	0.009	133		6.83	6.87					1							S
92192	8.307	0.005	8.158	0.006		0.135	0.007	T	0.15	0.01	L	8.1954	0.0010	0.018	297		8.16	8.23		M			1							S
92193	8.381	0.010	8.349	0.012		0.034	0.014	T	0.05	0.01	L	8.3862	0.0015	0.014	104		8.36	8.41					1							
92194	14.033	0.997	9.864	0.038		2.450	0.510	G	2.45	0.52	J	9.2629	0.0183	0.113	83		9.13	9.44		U 2 C			1	S						
92195	9.272	0.011	8.082	0.007		1.019	0.010	T	0.99	0.01	L	8.1305	0.0014	0.017	216		8.10	8.16					1							S
92196	7.500	0.007	7.473	0.008		0.010	0.001	G	0.03	0.00	H	7.4921	0.0013	0.010	78		7.48	7.51		C			1							S
92197	8.803	0.014	8.740	0.017		0.057	0.020	T	0.07	0.02	L	8.7814	0.0024	0.016	66		8.75	8.80					1							
92198	9.798	0.024	9.346	0.026		0.496	0.017	G	0.57	0.02	H	9.4100	0.0025	0.022	82		9.38	9.45					1							G
92199	6.839	0.006	6.905	0.008		−0.067	0.015	G	−0.04	0.01	H	6.9063	0.0011	0.010	74		6.89	6.93			18474−4938	I 1	1							S
92200	10.452	0.043	8.990	0.022		1.295	0.018	G	1.50	0.02	A	8.9218	0.0024	0.018	75		8.89	8.95					1							

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg	Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)										Soln F1 %	F2
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
92201	18 47 28.61	−57 57 23.1	9.13	H	281.869 200 41	−57.956 417 67	3.88	5.94	−27.94	1.18	1.12	1.55	1.52	1.22	+ 7	−20	−41	+13	−30	+14	−26	−37	+16	+ 4	0	2.62
92202	18 47 28.98	−05 42 18.3	5.38	3 H	281.870 733 67	−05.705 070 74	2.32	−44.09	−31.36	0.72	0.44	0.82	0.69	0.51	+ 4	−36	−12	− 8	+ 1	+13	− 2	−36	−12	−26	2	−0.30
92203	18 47 29.29	+15 30 45.8	7.33	H	281.872 040 42	+15.512 715 97	3.89	0.87	0.50	0.75	0.62	0.98	0.91	0.83	− 1	− 9	−21	−19	+12	+35	+13	− 5	+40	+34	0	0.41
92204 H	18 47 29.57	+49 25 55.4	7.19	1 H	281.873 206 26	+49.432 050 46 A	4.14	13.60	−9.81	1.34	1.41	0.79	0.78	0.83	+48	− 4	+11	+ 2	+ 2	−11	+ 9	− 8	+ 2	+20	3	−0.15
92205	18 47 30.84	−15 59 00.6	7.99	H	281.878 501 63	−15.983 500 71	10.90	49.76	−105.34	1.10	0.68	1.33	1.29	0.84	+25	−44	−12	+14	+24	+33	+29	− 4	−18	+ 9	0	0.65
92206	18 47 31.30	−24 19 11.8	8.17	H	281.880 404 93	−24.319 939 39	2.14	−26.74	4.55	1.13	0.61	1.12	1.39	0.78	− 7	−24	+ 0	+34	− 2	− 3	−19	−22	+ 6	−37	0	0.34
92207	18 47 32.31	−38 09 32.3	10.00	3 H	281.884 641 49	−38.158 969 84	1.18	−6.03	−4.83	2.46	1.62	2.77	4.12	2.65	+ 4	+12	−23	−53	+ 0	−37	+ 2	−74	+23	+16	4	0.03
92208	18 47 32.80	+80 09 37.3	8.46	H	281.886 676 69	+80.160 367 63	10.48	21.59	70.34	0.73	0.61	0.70	0.81	0.66	− 4	−16	− 1	−13	+21	− 7	+18	+ 7	− 1	+ 8	1	1.19
92209	18 47 33.75	−43 32 46.8	7.66	H	281.890 629 17	−43.546 333 96	3.97	5.39	−8.61	0.86	0.58	0.97	1.12	0.72	− 5	−10	− 4	+ 8	+12	+ 4	+11	−30	− 1	− 8	2	0.42
*92210	18 47 34.69	−06 18 27.2	9.92	G	281.894 544 34	−06.307 542 38	−0.93	−3.02	−0.48	1.86	1.04	1.76	2.06	1.39	−18	+ 6	− 7	−43	+30	− 1	+32	−55	− 3	−24	8	1.37
*92211	18 47 34.72	+50 25 16.8	9.89	H	281.894 648 44	+50.421 340 46	1.09	−7.92	−8.13	0.90	0.83	0.92	1.14	1.03	+12	− 5	+ 6	+ 8	+20	− 7	+19	+17	− 7	+21	1	−1.21
*92212	18 47 34.68	−45 03 58.8	8.31	H	281.894 493 71	−45.066 341 93	3.34	12.17	−6.32	1.00	0.75	1.12	1.30	0.88	+29	−10	+ 1	− 2	+ 6	− 5	+ 6	−29	− 9	+32	0	1.77
92213	18 47 34.96	−62 31 32.2	9.09	H	281.895 659 68	−62.525 603 13	1.98	12.17	−27.67	1.06	0.96	1.50	1.62	1.42	−32	−18	+ 9	+ 1	+20	− 7	+14	− 5	+30	− 7	0	0.13
92214	18 47 37.13	+53 24 06.2	8.80	H	281.904 699 46	+53.401 720 76	2.71	−1.74	3.48	0.73	0.65	0.74	0.79	0.78	+12	− 8	− 1	− 3	+ 3	+ 9	+ 3	+10	− 5	+22	0	−0.10
92215	18 47 37.15	−28 16 47.0	7.42	H	281.904 774 25	−28.279 714 89	3.80	6.84	−4.92	0.90	0.54	0.98	1.15	0.78	−11	− 4	+ 1	+ 3	− 1	−19	+ 3	−41	+12	− 3	0	0.22
92216	18 47 37.46	+32 18 42.6	8.88	H	281.906 095 96	+32.311 846 57	3.76	−0.63	−3.45	0.71	0.73	0.96	0.79	0.94	−10	−23	+ 2	+12	+ 3	− 7	+12	+30	−25	−18	0	−0.02
92217	18 47 38.47	+37 14 35.9	8.71	H	281.910 293 06	+37.243 300 93	4.96	5.76	−3.54	0.64	0.78	0.86	0.78	0.92	− 8	− 4	+13	+ 2	+ 2	−17	+ 4	+21	+ 3	−10	0	1.23
92218	18 47 39.36	−66 05 47.0	9.81	H	281.914 015 07	−66.096 399 93	4.93	18.13	−13.69	0.82	1.00	1.57	0.96	0.92	+11	− 9	−37	−24	+ 8	−18	+ 0	−14	− 8	+22	0	2.06
92219 H	18 47 40.12	+49 04 29.4	6.67	H	281.917 149 01	+49.074 829 11 A	6.92	16.58	12.11	0.71	0.73	0.60	0.57	0.64	+18	− 7	−12	+16	+19	− 7	+19	+ 8	+ 5	+12	1	1.27
*92220	18 47 40.38	−36 32 44.7	9.50	H	281.918 256 75	−36.545 761 58	4.71	−2.72	−31.58	1.36	0.94	1.66	1.95	1.22	−25	+ 0	−32	−36	+47	−37	+36	−69	+31	−41	0	0.81
*92221	18 47 40.32	+35 59 34.0	11.66	3 H	281.918 020 78	+35.992 781 92 B	0.02	−1.59	13.10	9.82	12.46	6.37	5.92	8.23	+10	− 1	+ 1	− 6	− 5	−11	− 7	+ 1	+17	+15	30	1.98
92222	18 47 41.76	+13 26 32.4	7.09	1 H	281.923 994 02	+13.442 335 15	2.23	−1.80	−6.52	0.73	0.55	0.81	0.85	0.65	− 1	−27	+ 0	+ 9	+30	+18	+22	+ 1	+31	+35	0	0.17
92223	18 47 44.16	+28 43 12.6	8.36	H	281.934 008 52	+28.720 157 25	0.34	−2.46	−7.69	0.61	0.71	0.91	0.76	0.82	+ 5	+ 0	+ 8	+27	+13	− 3	+12	+23	+ 6	+ 4	0	0.75
92224	18 47 44.44	−00 14 10.6	8.19	G	281.935 183 67	−00.236 289 51	11.60	−34.16	45.39	0.96	0.71	1.14	0.98	0.85	+37	− 2	+16	−49	−18	−16	−17	−59	−25	+11	0	−0.44
92225	18 47 44.50	+09 15 47.5	9.08	H	281.935 414 07	+09.263 186 30	2.69	−1.38	−6.74	1.01	0.72	1.15	1.04	0.81	+13	−37	−14	−10	+ 9	− 1	+ 0	−32	+20	+ 2	0	−0.86
92226	18 47 44.60	−40 24 22.0	5.20	1 H	281.935 831 45	−40.406 121 67	8.30	24.64	−18.57	0.68	0.42	0.78	0.80	0.51	+ 5	−39	−12	+ 0	+11	+ 7	+ 6	−29	+ 4	−12	0	−0.39
92227	18 47 44.91	−12 19 47.0	7.50	1 H	281.937 128 20	−12.329 712 71	1.91	−2.02	−10.63	0.83	0.46	0.92	0.96	0.66	+ 5	−28	−11	+ 4	+ 2	+20	− 3	−51	+16	+ 1	0	−1.57
92228	18 47 45.00	+28 38 37.6	7.64	H	281.937 497 53	+28.643 781 74	0.08	0.08	−4.43	0.53	0.61	0.78	0.66	0.74	+11	− 2	+ 3	+ 7	+13	− 7	+13	+14	+ 6	+ 5	0	0.95
92229	18 47 46.42	−47 47 11.6	7.87	H	281.943 426 89	−47.786 559 65	−0.03	−3.45	3.64	0.92	0.67	1.08	1.14	0.75	+14	−28	−15	− 5	+ 2	+ 0	− 6	−34	+ 8	+11	0	1.30
92230	18 47 46.78	−62 58 13.9	8.87	H	281.944 932 36	−62.970 527 44	1.80	−13.84	−1.65	1.01	0.88	1.32	1.50	1.25	−31	+ 3	− 4	+27	+ 1	− 1	+ 2	+ 9	+15	−22	2	0.22
*92231	18 47 47.31	−88 46 32.1	8.73	H	281.947 140 07	−88.775 590 63	2.69	22.55	−29.69	0.62	0.69	0.74	0.67	0.78	−19	− 6	− 5	+23	−13	− 4	−13	+27	+ 4	−28	0	0.98
*92232	18 47 47.28	−47 14 13.0	9.81	H	281.946 992 42	−47.236 939 81	6.82	5.42	−41.13	1.48	1.07	1.70	2.24	1.30	+ 5	−20	−10	− 7	+11	−28	+ 3	−35	+ 1	−17	0	0.15
92233	18 47 49.20	−77 52 07.0	6.39	G	281.955 018 62	−77.868 612 56	23.19	−26.52	149.49	0.37	0.43	0.55	0.37	0.45	− 5	−14	− 8	+ 4	− 2	− 4	− 4	− 9	− 3	−15	2	0.40
92234	18 47 51.41	−35 29 53.8	8.24	G	281.964 226 72	−35.498 271 00	12.68	6.64	20.30	1.00	0.67	1.21	1.48	0.86	−20	−11	−30	−10	+30	−33	+ 9	−56	+30	−54	0	−1.85
92235	18 47 52.33	−20 16 28.2	6.92	3 H	281.968 045 24	−20.274 500 68	1.66	−1.53	−3.53	0.94	0.53	0.99	1.09	0.69	−24	−25	−32	−29	+32	−15	+16	−60	+32	−48	0	0.89
92236	18 47 53.51	+11 09 48.8	7.50	H	281.972 940 87	+11.163 568 63	1.87	−0.54	−11.94	0.73	0.55	0.83	0.86	0.64	+10	−20	−20	+ 3	+16	− 2	+ 8	−13	+31	+ 6	0	1.33
92237	18 47 53.83	+24 47 43.5	11.07	2 H	281.974 308 11	+24.795 410 63	3.06	4.32	−1.22	1.03	1.23	1.93	1.15	1.39	− 5	−11	+10	+30	+23	− 4	+20	+ 6	+14	−12	2	−2.76
92238 H	18 47 55.00	−32 10 12.3	9.69	H	281.979 160 09	−32.170 087 72 A	4.78	8.82	−8.23	2.41	1.62	2.24	2.56	1.86	+44	−32	−11	− 4	−23	−14	−29	−44	+14	+36	4	0.02
92239	18 47 55.35	−55 36 42.9	9.41	H	281.980 618 40	−55.611 905 73	5.54	1.79	7.66	1.19	1.03	1.58	1.30	1.05	+21	−29	−24	+18	−26	+10	−25	+14	+18	+23	8	2.06
92240	18 47 55.44	−23 15 25.7	9.10	H	281.981 016 47	−23.257 131 72	6.29	2.78	4.09	1.28	0.62	1.36	1.29	0.80	+ 1	−51	+ 1	+12	− 2	+11	−17	−39	+ 8	−19	0	0.43
92241	18 47 56.23	+07 42 50.1	8.85	H	281.984 306 69	+07.713 917 74	2.61	6.48	−20.95	1.05	0.77	1.27	1.05	0.87	+16	−22	−15	− 9	+12	+23	+16	−15	+ 9	+ 9	0	−1.23
92242	18 47 56.77	−20 57 47.6	9.72	G	281.986 540 93	−20.963 219 19	−1.43	−1.44	−3.11	1.55	0.88	1.69	1.89	1.20	−23	−22	−31	−17	+34	−20	+19	−57	+35	−42	0	−0.40
92243	18 47 57.37	+31 45 24.6	6.06	H	281.989 053 93	+31.756 844 63	3.07	0.10	−3.85	0.42	0.44	0.56	0.52	0.58	− 6	−20	− 1	+23	+ 2	− 5	+ 2	+28	+ 1	−12	0	0.64
92244	18 47 57.65	−37 44 22.3	10.71	3 H	281.990 191 42	−37.739 528 99	0.66	−35.10	−25.57	1.83	1.10	2.05	2.23	1.53	+16	−41	+ 5	− 4	+ 0	+ 4	+ 4	−42	+ 1	+31	0	0.90
92245 H	18 47 58.42	−18 13 43.3	7.29	H	281.993 404 44	−18.228 685 40 A	0.90	−1.44	−0.72	1.56	1.11	1.38	1.58	1.28	+12	−13	−18	+10	+ 2	+ 4	+11	−31	+30	+37	2	0.96
92246	18 47 59.18	−16 46 35.2	6.94	H	281.996 563 41	−16.776 431 55	3.12	−0.95	−5.91	0.81	0.47	0.89	0.92	0.71	− 1	−35	+ 4	+ 5	+ 0	+18	+ 6	−36	+13	+25	0	0.11
92247	18 48 00.08	+48 32 31.9	9.24	H	282.000 313 92	+48.542 199 38	4.27	9.36	8.10	0.80	0.82	0.93	0.92	1.21	+ 2	−14	+11	−11	+ 9	+16	+ 6	+ 2	+19	+22	2	−0.86
92248	18 48 00.10	−44 02 28.2	8.58	H	282.000 418 82	−44.041 159 21	1.09	−2.07	−12.21	1.01	0.76	1.25	1.38	1.03	+15	−14	−21	+ 4	+ 6	+ 0	+ 7	−31	+17	+22	0	0.69
92249	18 48 01.34	+45 44 02.2	8.05	H	282.005 598 06	+45.733 931 36	1.04	7.29	−12.63	0.65	0.63	0.72	0.78	0.80	+ 7	− 6	+ 5	+ 4	+ 2	+ 8	+ 3	− 5	+ 0	+27	3	1.35
92250 H	18 48 01.45	−10 08 44.7	8.45	G	282.006 037 13	−10.145 752 15 A	34.92	57.76	−229.14	2.75	4.12	1.77	2.01	1.64	−20	+11	+ 8	− 7	− 8	−15	+22	−41	− 2	+38	1	−0.46
92251	18 48 01.91	+34 38 52.0	8.36	H	282.007 974 74	+34.647 774 38	2.86	1.56	−2.74	0.57	0.67	0.79	0.74	0.95	−12	+ 0	− 1	+14	+ 1	−16	+ 1	+ 3	+ 1	−18	0	1.17
92252	18 48 02.52	+10 23 10.0	8.77	H	282.010 491 13	+10.386 115 00	2.30	3.33	13.23	1.16	0.85	1.32	1.33	0.95	+ 6	− 3	+ 0	−21	+16	−22	+14	−30	+12	− 4	0	0.36
92253	18 48 02.57	+20 06 46.3	8.41	H	282.010 720 92	+20.112 850 29	1.65	1.88	−1.29	0.67	0.71	1.15	0.84	0.91	−17	− 6	+ 3	+21	−19	− 1	−17	− 8	+ 0	−10	0	0.50
92254	18 48 02.67	+04 14 29.0	6.20	H	282.011 117 95	+04.241 387 35	3.68	−4.94	14.28	0.61	0.50	0.76	0.66	0.56	+ 2	−15	−21	−24	+ 6	+14	−10	−20	+ 0	−14	0	0.77
92255	18 48 02.88	+06 39 30.3	8.10	H	282.011 980 37	+06.658 424 47	3.13	−14.46	−22.08	0.89	0.70	1.06	1.00	0.86	− 5	−19	−14	−19	+35	+ 8	+27	−14	+33	+ 8	0	−1.01
92256	18 48 02.90	+37 04 26.2	7.32	H	282.012 077 94	+37.073 942 71	2.39	1.47	−0.40	0.48	0.51	0.61	0.57	0.60	− 8	+ 3	+10	+ 5	+12	−17	+13	+18	+ 1	− 5	0	0.07
92257	18 48 03.35	−27 53 11.2	9.49	H	282.013 969 98	−27.886 447 37	7.91	−9.63	−17.49	1.56	0.99	1.83	2.07	1.48	+15	−18	−11	+ 0	− 5	−29	− 7	−40	+15	+20	0	1.41
92258	18 48 05.08	+72 58 31.5	9.07	H	282.021 146 12	+72.975 417 77	1.38	3.71	7.02	0.88	0.93	0.84	0.97	1.42	−13	− 2	+12	− 0	+20	−13	+26	−42	− 9	− 7	0	2.24
92259	18 48 07.32	+47 13 47.9	9.47	H	282.030 494 10	+47.229 969 63	4.28	1.72	4.69	0.92	0.85	1.01	1.51	1.53	+ 5	+ 9	− 7	+23	− 9	−18	− 8	− 1	+19	+ 9	2	−0.93
92260	18 48 07.93	−43 34 22.6	7.18	H	282.033 021 14	−43.572 940 00	2.11	−3.61	−14.14	0.77	0.51	0.88	1.02	0.67	− 5	−11	− 7	+11	+ 7	+ 9	+ 9	−30	+ 3	− 2	0	3.15
92261	18 48 10.51	+29 59 06.0	8.48	H	282.043 790 43	+29.985 001 52	2.23	15.62	−68.00	0.58	0.70	0.92	0.64	0.79	+ 1	− 2	− 2	+24	+10	−20	+10	+16	+ 8	− 2	0	0.86
92262	18 48 11.84	−14 42 29.7	6.86	H	282.049 349 10	−14.708 257 16	19.45	−61.14	−42.86	0.79	0.48	0.93	0.97	0.61	+ 8	−36	−14	+ 3	+ 5	+33	+ 3	−43	+ 8	+ 1	0	−0.46
92263	18 48 12.43	−37 28 45.4	9.91	H	282.051 792 25	−37.479 286 28	9.71	−32.37	−58.78	1.52	0.95	1.76	1.87	1.26	+13	−29	+ 8	− 7	+11	− 1	+14	−46	− 4	+20	0	0.33
92264	18 48 12.77	−42 15 36.0	10.19	H	282.053 203 90	−42.259 995 41	3.12	−7.51	−7.51	1.71	1.21	1.98	2.35	1.50	+11	−19	− 8	− 5	+21	−18	+11	−42	+10	− 6	0	0.79
92265	18 48 13.08	+23 42 33.3	7.90	H	282.054 486 02	+23.709 253 15	4.82	− 6.98	− 5.48	0.46	0.59	0.86	0.49	0.68	− 6	− 7	−15	+40	+32	−16	+26	+ 2	+17	−26	0	−0.10
92266	18 48 13.40	−19 11 56.0	6.87	1 H	282.055 822 25	−19.198 889 26	1.63	0.92	− 7.08	0.90	0.54	0.95	1.27	0.77	−16	+ 1	−22	−24	+29	+ 3	+13	−61	+ 5	−51	0	0.13
92267 H	18 48 13.82	+10 38 33.9	8.11	H	282.057 588 07	+10.642 747 34 A	1.35	0.51	4.03	1.44	1.17	1.59	1.57	1.21	+20	+ 5	−28	−24	+ 6	−35	− 5	−36	+33	−16	1	0.90
92268	18 48 14.76	−33 54 29.3	6.94	G	282.061 513 21	−33.908 145 94	6.42	12.55	−20.38	0.99	0.63	1.08	1.87	0.94	−17	−13	− 7	−23	+28	−33	+11	−61	+10	−60	2	1.38
92269	18 48 16.09	+48 46 02.8	6.12	H	282.067 045 99	+48.767 438 01	17.81	−18.44	48.70	0.46	0.46	0.51	0.54	0.59	+ 8	−11	− 1	− 8	− 4	+ 8	− 6	−12	+21	+27	1	1.17
92270	18 48 16.39	+23 30 53.2	6.19	H	282.068 277 61	+23.514 765 09	34.85	25.30	−6.78	0.37	0.47	0.68	0.39	0.52	− 7	− 3	−14	+40	+38	−16	+31	−12	+19	−25	0	−0.47
92271	18 48 18.82	+26 02 50.3	8.38	H	282.078 396 94	+26.047 305 76	2.95	0.85	− 9.21	0.52	0.64	0.88	0.61	0.72	− 1	−13	− 3	− 7	+11	+ 0	+ 8	− 7	+17	+ 6	0	−1.64
92272	18 48 20.10	−11 23 31.0	7.12	H	282.083 755 86	−11.391 932 59	3.91	−21.14	−49.77	0.89	0.50	0.96	1.10	0.71	+ 4	−35	−16	+13	+11	+17	− 1	−38	+10	−23	2	−1.51
92273	18 48 20.51	+01 31 57.1	10.31	H	282.085 454 56	+01.532 532 29	5.27	4.71	−26.57	1.51	1.13	1.75	1.49	1.24	+17	−13	−15	−33	+19	− 5	+19	−33	+14	− 2	2	0.07
92274	18 48 21.04	−54 34 06.2	9.01	H	282.087 654 31	−54.568 375 59	4.65	−15.68	4.60	1.18	0.89	1.41	1.29	0.91	+11	−37	−14	+38	−25	−11	−20	+ 4	+ 3	+16	2	0.33
*92275	18 48 21.73	−37 00 48.5	6.94	H	282.090 541 22	−37.013 466 98	5.01	47.98	−19.85	0.79	0.50	0.93	0.95	0.61	+13	−33	− 9	− 4	+12	− 6	+ 4	−46	+ 6	− 1	0	0.32
*92276	18 48 21.61	+37 49 12.6	7.81	H	282.090 031 09	+37.820 160 94	2.88	−5.51	−33.11	0.52	0.59	0.70	0.60	0.68	+ 0	− 5	− 3	+ 6	+ 7	−31	+ 6	+12	+ 7	− 6	0	1.14
92277	18 48 21.83	−05 05 27.0	10.34	G	282.090 962 49	−05.090 842 71	14.09	198.71	−229.92	1.79	1.04	1.93	2.08	1.41	+ 2	−29	− 4	+ 7	+ 5	+ 1	+ 7	−44	− 3	+ 1	0	1.15
92278	18 48 21.91	−04 56 05.8	8.99	H	282.091 271 13	−04.934 934 11	7.59	4.82	−61.01	1.17	0.68	1.26	1.24	0.87	− 4	−33	− 3	− 5	+11	+ 9	+ 9	−45	−11	−20	0	2.12
*92279	18 48 22.65	+15 23 38.9	6.94	H	282.094 383 52	+15.394 145 10	2.42	−1.71	− 4.37	0.70	0.56	0.85	0.83	0.74	− 3	−13	−20	−19	+12	+27	+14	− 9	+27	+24	0	0.15
*92280	18 48 22.54	−31 51 53.8	7.58	H	282.093 923 16	−31.864 954 14	2.41	0.70	− 9.28	0.95	0.57	0.99	1.25	0.77	+ 5	−27	− 4	+14	−13	−10	−19	−37	+ 8	− 8	0	0.25
92281	18 48 27.68	+32 46 46.7	7.43	H	282.115 330 02	+32.779 640 85	3.11	5.20	16.14	0.48	0.57	0.67	0.55	0.75	− 4	− 9	−13	+26	+ 1	−19	+ 3	+45	−21	− 9	0	−0.60
92282	18 48 28.14	+36 26 27.1	7.52	2 H	282.117 255 31	+36.440 874 89	3.73	−2.00	− 0.27	0.50	0.59	0.68	0.53	0.79	− 6	+ 4	+ 5	+ 1	− 6	−19	− 4	+30	− 9	−10	0	1.59
92283	18 48 29.15	+10 44 47.4	7.97	G	282.121 454 81	+10.746 511 86	57.79	128.76	−436.85	0.88	0.68	0.97	0.97	0.74	+22	−21	−15	−10	− 2	−12	− 9	−26	+17	+ 5	0	1.27
92284 H	18 48 30.63	+72 25 58.9	8.24	H	282.127 639 98	+72.433 018 87 A	4.61	−6.72	22.47	1.51	1.52	1.49	1.49	1.72	+ 2	−34	+ 2	+ 2	+ 3	− 9	+ 4	+ 4	− 7	+16	0	−0.28
92285	18 48 31.43	−19 41 08.3	8.70	H	282.130 948 87	−19.685 633 66	0.10	0.65	− 5.08	1.09	0.69	1.18	1.32	0.84	−20	− 6	−35	−28	+23	− 5	+17	−52	+19	−41	2	−1.74
92286	18 48 32.24	−39 29 27.9	8.69	H	282.134 329 60	−39.491 079 60	7.66	2.51	−16.77	1.02	0.67	1.19	1.33	0.87	− 9	−23	− 7	− 5	+20	− 6	+14	−41	+13	−18	0	1.67
92287	18 48 32.95	+20 50 10.2	8.81	H	282.137 290 77	+20.836 176 40	5.51	3.85	−15.52	0.74	0.81	1.22	1.02	1.10	−14	−13	+ 9	+20	− 7	+ 5	− 5	−19	+ 4	− 7	0	1.72
92288	18 48 33.29	−50 42 10.1	8.69	G	282.138 688 40	−50.702 797 51	11.65	−5.87	−209.69	1.10	0.89	1.29	1.54	1.15	+10	− 7	+10	−29	−11	−14	−10	−42	− 3	+ 7	0	−1.40
92289	18 48 33.61	−06 27 53.9	8.88	G	282.140 059 17	−06.464 985 26	0.73	−1.09	− 2.81	1.44	0.81	1.42	1.66	1.12	− 8	+12	− 9	−40	+23	− 8	+25	−53	+ 0	−13	4	−1.37
*92290	18 48 36.28	+77 46 18.2	10.52	H	282.151 156 64	+77.771 720 43	3.20	−10.48	−10.18	0.90	0.93	0.99	0.97	0.99	+ 4	−18	+17	−10	+ 4	− 4	+ 7	− 6	+12	+17	0	−1.89
*92291	18 48 36.26	+45 15 41.6	6.97	H	282.151 083 58	+45.261 553 39	16.20	29.51	84.03	0.51	0.48	0.55	0.55	0.56	− 4	−10	+ 5	− 5	+ 7	+ 8	+ 4	+19	+ 1	+12	0	0.28
92292	18 48 37.10	−15 17 43.2	8.08	H	282.154 587 34	−15.295 330 71	2.38	−4.17	−10.39	0.88	0.50	0.97	0.98	0.73	+ 6	−25	− 1	+13	+ 4	+28	+17	−27	+12	+37	2	0.08
92293	18 48 37.91	−03 06 24.6	8.44	H	282.157 966 84	−03.106 829 34	4.88	7.07	− 9.74	1.03	0.74	1.17	1.06	0.86	−14	− 8	−30	−34	+30	− 2	+26	−52	+19	−43	2	−0.26
92294	18 48 37.96	−65 04 39.0	5.71	H	282.158 157 97	−65.077 489 45	14.45	−38.07	−78.20	0.44	0.46	0.66	0.50	0.43	+ 5	− 7	−16	−23	+ 3	−14	+ 1	−33	− 3	+12	0	−0.22
92295	18 48 38.78	+34 26 37.0	7.75	H	282.161 588 33	+34.443 621 05	3.64	−1.89	−22.35	0.52	0.59	0.73	0.65	0.81	+ 0	+ 4	− 2	− 3	+ 7	−18	+11	+19	− 8	−12	0	2.90
92296	18 48 39.49	−06 00 15.8	6.49	H	282.164 531 53	−06.004 389 15	6.19	8.29	31.96	0.81	0.48	0.90	0.86	0.59	+ 5	−22	−20	− 1	+ 9	+17	+ 7	−36	+10	− 9	2	0.34
92297	18 48 39.53	+19 48 33.7	8.06	H	282.164 715 59	+19.809 368 49	0.89	3.45	− 9.37	0.53	0.56	0.88	0.72	0.76	−18	+ 1	− 1	+36	−13	+ 4	− 9	+ 3	+ 4	− 6	0	−0.29
92298	18 48 41.67	−56 29 34.4	9.06	H	282.173 641 83	−56.492 896 49	10.74	−51.30	−118.97	1.07	0.90	1.37	1.23	0.99	+ 4	−17	−10	+26	−22	+13	−19	+12	+10	+13	0	−0.12
92299	18 48 44.19	+07 56 11.4	8.11	H	282.184 105 75	+07.936 502 00	−0.18	−0.81

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
92201	10.316	0.043	9.249	0.028		0.924	0.039	T	0.92	0.03	L	9.2918	0.0036	0.021	57		9.26	9.33					1							
92202	7.066	0.060	5.543	0.050		1.280	0.061	T	1.42	0.02	A	5.5178	0.0417	0.437	87		5.15	6.32		U 2 B			1 S							S P
92203	7.370	0.007	7.344	0.010		0.029	0.011	T	0.05	0.01	L	7.3492	0.0014	0.011	76		7.33	7.37					1							S
92204	7.691	0.007	7.221	0.009	*	0.443	0.010	T	0.51	0.01	L *	7.2885	0.0014	0.012	115	*	7.27	7.33		U 2	18475+4926	I 1	2 C A	AB	217	0.344	0.018	2.79	0.11	S
92205	8.353	0.011	8.023	0.012		0.318	0.018	T	0.37	0.02	L	8.0712	0.0017	0.012	80		8.06	8.09					1 G							S
92206	9.835	0.027	8.318	0.015		1.275	0.024	T	1.23	0.03	L	8.3309	0.0020	0.012	66		8.31	8.36		C			1							
92207	10.828	0.053	10.149	0.049		0.628	0.060	T	0.70	0.05	L	10.1292	0.0084	0.362	66		10.00	10.90		U 2 B			1							G
92208	9.320	0.014	8.526	0.011		0.720	0.014	T	0.77	0.01	L	8.6044	0.0019	0.017	113		8.58	8.64		C			1							S
92209	9.671	0.037	7.834	0.016		1.528	0.032	T	1.57	0.07	L	7.7848	0.0014	0.011	66		7.77	7.81		C			1							
92210	10.184	0.033	9.957	0.043		0.281	0.010	G	0.32	0.01	H	9.9789	0.0029	0.030	81		9.90	10.01					1							G
92211	11.806	0.116	9.987	0.035		1.514	0.096	T	1.55	0.14	L	10.0181	0.0023	0.020	108		9.98	10.05		C			1							G
92212	9.603	0.023	8.443	0.015		0.996	0.021	T	0.97	0.02	L	8.4706	0.0012	0.012	68		8.45	8.50		D			1							
92213	10.620	0.038	9.207	0.020		1.194	0.034	T	1.15	0.03	L	9.2569	0.0026	0.022	111		9.22	9.31		C			1							
92214	8.924	0.012	8.814	0.014		0.107	0.017	T	0.12	0.02	L	8.8461	0.0015	0.015	109		8.82	8.88					1							
92215	7.500	0.008	7.420	0.011		0.079	0.013	T	0.09	0.01	L	7.4532	0.0021	0.014	69		7.43	7.47					1							S
92216	8.843	0.014	8.897	0.019		−0.045	0.021	T	−0.02	0.02	L	8.8722	0.0019	0.018	135		8.83	8.90					1							
92217	9.031	0.013	8.746	0.014		0.271	0.018	T	0.31	0.02	L	8.7808	0.0024	0.017	117		8.75	8.83		C			1							
92218	9.876	0.017	9.801	0.023		0.068	0.026	T	0.08	0.03	L	9.8413	0.0028	0.034	194		9.78	9.91					1 S							
92219	6.750	0.005	6.687	0.006	*	0.057	0.007	T	0.07	0.01	L *	6.6988	0.0010	0.008	118	*	6.69	6.72		D	18477+4904	M 1	2 C A	AB	221	0.546	0.005	2.16	0.02	S
92220	10.005	0.027	9.527	0.026		0.450	0.034	T	0.52	0.04	L	9.6047	0.0024	0.016	97		9.57	9.63					1							
92221								T				11.7446	0.0463	0.260	116	B	11.29	12.16	0.53	P 1 A	18477+3559	M 1	2 C A	BA	125	12.924	0.016	0.10	0.08	D
92222	7.188	0.006	7.096	0.008		0.090	0.009	T	0.10	0.01	L	7.1280	0.0027	0.013	71		7.11	7.16		M			1							S
92223	9.254	0.014	8.442	0.011		0.718	0.017	G	0.77	0.01	H	8.5050	0.0014	0.018	143		8.47	8.54					1							
92224	8.909	0.011	8.259	0.010		0.595	0.011	T	0.67	0.01	L	8.3068	0.0017	0.013	112		8.28	8.33					1							
92225	9.285	0.016	9.097	0.020		0.180	0.024	T	0.20	0.03	L	9.1387	0.0037	0.025	87		9.10	9.18			18477+0916	I 1	1 S							
92226	6.179	0.004	5.296	0.003		0.781	0.004	G	0.82	0.00	H	5.3520	0.0014	0.009	88		5.34	5.37		M			1							S
92227	10.093	0.030	7.711	0.010		2.009	0.026	T	3.08	0.04	O	7.3910	0.0024	0.014	90		7.36	7.42		U			1 S							
92228	9.306	0.014	7.762	0.007		1.290	0.015	G	1.25	0.02	H	7.7992	0.0012	0.013	144		7.78	7.82		C			1							
92229	10.065	0.028	8.075	0.011		1.629	0.092	G	1.67	0.11	O	7.9749	0.0020	0.014	72		7.95	8.00		C			1							S
92230	10.773	0.049	9.031	0.019		1.453	0.042	T	1.46	0.07	L	9.0039	0.0028	0.024	97		8.97	9.06					1 S							
92231	10.192	0.022	8.849	0.012		1.139	0.020	T	1.10	0.02	L	8.9028	0.0013	0.017	140		8.88	8.94		C			1							
92232	10.625	0.048	9.878	0.039		0.683	0.049	T	0.74	0.04	L	9.9495	0.0038	0.027	68		9.90	9.99		C			1							G
92233	7.110	0.003	6.461	0.003		0.593	0.005	G	0.65	0.02	A	6.5175	0.0008	0.009	182		6.51	6.53					1							S
92234	8.752	0.012	8.297	0.012		0.463	0.015	G	0.53	0.02	H	8.3370	0.0014	0.014	87		8.31	8.37		C			1							
92235	7.081	0.022	6.957	0.022		0.120	0.029	T	0.13	0.03	L	6.9664	0.0195	0.210	81		6.91	7.60	8.90	P 1 A			1 S							S
92236	7.477	0.007	7.509	0.007		−0.025	0.009	T	0.00	0.01	L	7.5040	0.0020	0.014	81		7.49	7.53			18479+1109	I 1	1							S
92237	12.425	0.175	10.452	0.044		1.672	0.149	T	5.55	0.83	K	9.6591	0.0138	0.134	194		9.53	9.94		U 2			1 S							G
92238	10.137	0.039	9.657	0.040	A	0.401	0.400	G	0.23	0.15	L *	9.7576	0.0034	0.026	66	*	9.71	9.81		D	18479−3210	I 1	2 C D	AB	90	4.858	0.128	3.72	0.33	G D
92239	10.007	0.027	9.489	0.026		0.496	0.028	T	0.57	0.03	L	9.5148	0.0018	0.022	76		9.48	9.56		C			1 S							
92240	9.595	0.023	9.157	0.024		0.427	0.027	T	0.49	0.03	L	9.2002	0.0018	0.015	75		9.17	9.22		C			1							
92241	9.145	0.016	8.827	0.018		0.302	0.023	T	0.35	0.03	L	8.9292	0.0021	0.019	80		8.90	8.96			18479+0743	I 1	1							
92242	10.039	0.029	9.751	0.036		0.276	0.020	G	0.31	0.03	H	9.7959	0.0024	0.022	77		9.75	9.84		C			1							G
92243	5.874	0.002	6.033	0.003		−0.139	0.003	T	−0.13	0.00	L	6.0132	0.0005	0.006	132		6.00	6.02					1							S
92244	11.107	0.068	10.670	0.072		0.413	0.091	T	0.48	0.10	L	10.8082	0.0473	0.286	88		10.29	11.01	0.59	P 1 A			1							G
92245	8.508	0.012	7.472	0.009	*	0.901	0.011	T	0.90	0.01	L *	7.4475	0.0017	0.010	78	*	7.43	7.46		D	18480−1814	I 1	2 C A	AB	154	0.422	0.003	0.88	0.01	
92246	9.166	0.016	7.121	0.007		1.693	0.014	T	1.72	0.01	L	7.0425	0.0008	0.008	91		7.03	7.06			18480−1647	I 1	1							S
92247	9.558	0.017	9.235	0.018		0.307	0.023	T	0.35	0.03	L	9.3196	0.0023	0.021	109		9.29	9.36					1							
92248	10.106	0.037	8.736	0.020		1.160	0.033	T	1.12	0.03	L	8.7466	0.0018	0.017	70		8.72	8.77		C			1							
92249	10.092	0.023	8.194	0.010		1.576	0.020	T	1.59	0.02	L	8.1626	0.0019	0.016	109		8.14	8.19					1							
92250	9.595	0.022	8.579	0.016	*	0.889	0.015	G	0.93	0.01	H *	8.5828	0.0020	0.015	84	*	8.55	8.62		C	18480−1009	H 1	2 C B	AB	359	0.304	0.028	3.19	0.35	
92251	8.377	0.010	8.382	0.013		0.000	0.015	T	0.02	0.01	L	8.3693	0.0016	0.015	112		8.35	8.39		C			1							
92252	10.653	0.048	8.961	0.021		1.500	0.040	G	1.50	0.10	R	8.8977	0.0039	0.022	64		8.86	8.94					1							
92253	8.554	0.009	8.419	0.011		0.130	0.013	T	0.14	0.01	L	8.4551	0.0019	0.020	128		8.42	8.49					1							
92254	8.165	0.010	6.367	0.005		1.509	0.001	G	1.48	0.02	L	6.3290	0.0009	0.007	88		6.31	6.34		C			1							S
92255	9.516	0.017	8.220	0.011		1.102	0.016	T	1.06	0.02	L	8.2737	0.0011	0.014	92		8.25	8.30					1							
92256	7.187	0.005	7.305	0.005		−0.102	0.006	T	−0.09	0.01	L	7.2871	0.0010	0.011	126		7.27	7.30					1							S
92257	10.096	0.035	9.532	0.034		0.532	0.036	T	0.60	0.04	L	9.6061	0.0024	0.019	66		9.58	9.65					1							
92258	10.392	0.030	9.178	0.017		1.038	0.027	T	1.01	0.02	L	9.2314	0.0021	0.021	105		9.19	9.27					1 G							
92259	9.752	0.021	9.427	0.024		0.309	0.030	T	0.35	0.04	L	9.5460	0.0027	0.024	88		9.50	9.58		C			1							
92260	9.127	0.035	7.367	0.017		1.496	0.032	T	1.97	0.11	O	7.2628	0.0019	0.013	71		7.24	7.28					1							S
92261	9.734	0.017	8.589	0.011		0.984	0.016	T	0.96	0.01	L	8.6427	0.0017	0.018	154		8.61	8.67					1							
92262	7.438	0.007	6.917	0.006		0.498	0.007	T	0.57	0.01	L	6.9661	0.0006	0.006	95		6.95	6.98					1 G							S
92263	10.645	0.051	9.916	0.041		0.654	0.049	T	0.72	0.04	L	10.0402	0.0029	0.026	97		10.01	10.10		C			1							G
92264	10.775	0.051	10.205	0.052		0.533	0.065	T	0.61	0.07	L	10.3103	0.0050	0.032	74		10.25	10.37		C			1							G
92265	7.928	0.005	7.909	0.007		0.022	0.008	T	0.04	0.01	L	7.9175	0.0011	0.014	254		7.90	7.94		C			1							S
92266	9.083	0.016	7.078	0.007		1.661	0.014	T	1.68	0.01	L	6.9722	0.0016	0.012	81		6.94	6.99		U 2			1							S
92267	9.511	0.022	8.278	0.014	A	1.200	0.495	G	0.98	0.04	L *	8.2770	0.0023	0.012	74	*	8.25	8.31		C	18482+1039	I 1	2 C B	AB	341	7.814	0.043	3.61	0.18	S
92268	7.194	0.006	6.975	0.007		0.181	0.001	G	0.20	0.00	H	7.0058	0.0023	0.012	62		6.99	7.03					1							S
92269	6.383	0.003	6.147	0.004		0.225	0.005	T	0.25	0.01	L	6.1886	0.0006	0.006	104		6.18	6.20					1							S
92270	6.770	0.003	6.240	0.003		0.492	0.015	G	0.54	0.03	C	6.2949	0.0004	0.007	256		6.28	6.31		C			1							S
92271	9.816	0.015	8.482	0.009		1.132	0.014	T	1.10	0.01	L	8.5468	0.0017	0.018	193		8.51	8.57					1							
92272	8.664	0.013	7.268	0.008		1.180	0.012	T	1.14	0.01	L	7.2897	0.0011	0.008	85		7.28	7.31		C			1							S
92273	10.926	0.050	10.279	0.043		0.600	0.057	T	0.67	0.05	L	10.4427	0.0030	0.030	95		10.39	10.49		C			1							G
92274	10.454	0.041	9.128	0.023		1.125	0.037	T	1.09	0.04	L	9.1765	0.0035	0.021	90		9.14	9.22					1							
92275	8.781	0.012	7.092	0.006		1.411	0.011	T	1.39	0.01	L	7.0812	0.0012	0.010	99		7.06	7.10		C	18484−3701	I 1	1							S
92276	9.376	0.016	7.938	0.009		1.213	0.014	T	1.17	0.01	L	7.9709	0.0013	0.014	131		7.95	8.00		C			1							
92277	11.277	0.089	10.589	0.079		0.704	0.005	G	0.75	0.01	H	10.5074	0.0039	0.031	70		10.47	10.57		C			1							G
92278	9.565	0.025	9.039	0.025		0.487	0.020	G	0.56	0.02	H	9.0947	0.0023	0.016	75		9.06	9.12		C			1							
92279	6.967	0.006	6.945	0.008		0.025	0.009	T	0.04	0.01	L	6.9567	0.0010	0.008	75		6.94	6.97		C	18484+1524	I 1	1							S
92280	7.515	0.008	7.575	0.014		−0.046	0.002	G	−0.02	0.00	H	7.5757	0.0023	0.013	65		7.55	7.59			18484−3152	I 1	1							S
92281	9.322	0.016	7.578	0.008		1.454	0.014	T	1.46	0.02	L	7.5646	0.0010	0.011	142		7.55	7.59					1							S
92282	7.440	0.007	7.513	0.008		−0.062	0.010	T	−0.04	0.01	L	7.5056	0.0031	0.024	112		7.48	7.55		U 2			1							S
92283	9.408	0.025	8.068	0.015		1.070	0.000	G	1.13	0.00	I	8.0945	0.0023	0.021	76		8.07	8.20			18485+1045	I 1	1							
92284	9.433	0.017	8.363	0.012	A	1.400	0.495	G	0.93	0.02	L *	8.4022	0.0019	0.021	118	*	8.37	8.45			18485+7226	I 1	2 C D	AB	125	5.446	0.092	4.05	0.36	D
92285	8.741	0.013	8.706	0.017		0.000	0.020	G	0.02	0.02	H	8.7141	0.0027	0.021	83		8.68	8.74					1							
92286	9.261	0.018	8.752	0.017		0.489	0.019	T	0.56	0.02	L	8.8017	0.0026	0.017	87		8.78	8.83					1							
92287	9.381	0.015	8.879	0.015		0.472	0.019	T	0.54	0.02	L	8.9099	0.0023	0.018	124		8.87	8.94					1							
92288	9.467	0.022	8.740	0.019		0.649	0.007	G	0.70	0.00	A	8.8234	0.0027	0.014	61		8.80	8.85		C			1							
92289	9.208	0.018	8.917	0.021		0.311	0.028	G	0.36	0.04	H	8.9729	0.0022	0.017	77		8.94	9.00		C			1							
92290	11.335	0.078	10.523	0.057		0.552	0.072	G	0.62	0.07	R	10.6368	0.0022	0.024	112		10.59	10.67		C			1							G
92291	7.378	0.006	7.012	0.007		0.347	0.009	T	0.41	0.01	L	7.0499	0.0009	0.008	118		7.04	7.07		C			1							S
92292	8.321	0.011	8.101	0.012		0.210	0.015	T	0.23	0.02	L	8.1439	0.0013	0.011	85		8.12	8.17		C			1							
92293	8.657	0.012	8.448	0.014		0.200	0.017	T	0.22	0.02	L	8.5015	0.0017	0.015	75		8.47	8.52					1							
92294	6.023	0.003	5.740	0.003		0.268	0.004	T	0.30	0.01	L	5.7822	0.0009	0.010	135		5.77	5.80					1							S
92295	8.997	0.016	7.856	0.010		0.981	0.015	T	0.96	0.01	L	7.9137	0.0017	0.013	118		7.89	7.94					1							S
92296	6.780	0.005	6.526	0.005		0.242	0.007	T	0.27	0.01	L	6.5625	0.0009	0.007	83		6.55	6.58		C	18487−0600	I 1	1							S
92297	8.043	0.007	8.057	0.008		−0.008	0.010	T	0.01	0.01	L	8.0679	0.0012	0.014	160		8.04	8.10		C			1							
92298	9.913	0.025	9.141	0.020		0.687	0.024	T	0.74	0.02	L	9.1922	0.0024	0.018	77		9.16	9.23					1							
92299	8.275	0.011	8.115	0.013		0.154	0.016	T	0.17	0.02	L	8.1632	0.0016	0.014	73		8.15	8.19		C			1							S
92300	9.982	0.020	9.540	0.021		0.431	0.023	T	0.50	0.02	L	9.5720	0.0025	0.025	143		9.53	9.62					1							

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
1 2	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr		19	20	21	22	23	24	25	26	27	28	%	
	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18										29	30
92301 H	18 48 45.41	−18 36 04.2	6.46	G	282.189 213 91	−18.601 156 18	A	4.10	1.34	2.61	1.71	1.28	1.46	1.80	1.12	− 1	+12	− 1	−15	+ 9	+ 1	− 4	−53	− 2	−26	3	2.86
92302	18 48 46.39	+35 51 54.4	8.38	H	282.193 298 75	+35.865 114 60		2.50	−16.48	−10.83	0.61	0.75	0.82	0.71	1.12	− 5	− 4	− 5	+17	− 8	− 5	−10	+23	− 7	− 7	0	0.39
92303	18 48 47.46	−35 37 45.3	9.74	H	282.197 739 66	−35.629 245 44		8.00	4.20	−27.94	1.47	0.96	1.81	2.17	1.32	+ 3	−31	−39	+17	+24	−33	−11	−43	+43	−45	0	0.59
92304 H	18 48 47.48	−30 05 47.2	8.82	G	282.197 838 29	−30.096 447 57	A	13.20	−39.62	−181.01	1.82	1.17	1.77	1.80	1.18	−12	−14	− 2	+ 0	− 1	−18	− 3	−36	+13	− 3	1	0.34
92305	18 48 47.52	+43 11 42.9	7.87	H	282.197 979 55	+43.195 249 31		4.98	12.87	9.03	0.54	0.53	0.62	0.53	0.62	+ 8	+ 0	+ 0	+10	+13	− 3	+15	+14	+12	+ 8	0	−0.33
92306	18 48 47.94	+68 52 34.3	9.67	H	282.199 764 37	+68.876 199 41		13.33	80.63	163.52	0.84	0.79	0.85	0.91	0.97	− 3	−10	− 1	+ 0	+12	−13	+15	+11	− 8	− 8	2	1.21
92307	18 48 48.90	−18 37 55.8	7.22	H	282.203 763 84	−18.632 167 68		2.58	7.17	−2.86	0.85	0.51	0.91	0.95	0.65	− 4	−13	−17	−12	+10	− 3	+ 1	−52	+10	−22	2	0.73
92308	18 48 50.47	−43 40 48.0	5.46	H	282.210 293 94	−43.679 996 81		9.40	24.39	−20.84	0.70	0.47	0.78	0.88	0.61	− 5	−22	−16	− 2	+ 7	+10	+ 7	−41	+ 9	−11	4	2.37
92309	18 48 50.98	−12 33 22.6	9.01	H	282.212 430 86	−12.556 286 95		2.04	1.54	−2.11	1.08	0.65	1.28	1.25	0.87	+ 0	−14	−13	− 9	− 4	+31	+ 5	−49	+14	+15	0	−0.37
92310	18 48 51.34	−41 20 13.0	7.78	H	282.213 910 11	−41.336 941 65		1.80	2.31	−2.75	0.97	0.68	1.08	1.40	0.87	−23	+ 9	−26	−22	+38	−25	+29	−53	+22	−38	0	0.97
92311	18 48 52.12	+17 26 23.9	9.17	H	282.217 172 60	+17.439 974 62		58.60	−408.88	−422.47	0.81	0.89	1.60	0.89	1.09	+20	−39	−17	+12	−41	+13	−48	−29	+42	+19	0	0.86
92312	18 48 53.38	+19 19 43.6	5.89	H	282.222 401 49	+19.328 771 45		11.63	15.96	−21.00	0.39	0.41	0.65	0.50	0.52	−14	− 4	− 4	+15	−16	+ 1	−12	−14	+10	− 1	0	−0.58
92313	18 48 53.64	+40 03 34.9	8.60	H	282.223 500 87	+40.059 689 16		6.90	−1.02	−51.70	0.59	0.74	0.81	0.65	0.89	+11	−14	−24	+ 3	+ 3	− 2	+ 2	− 6	+13	+19	0	−0.51
92314 H	18 48 53.92	−26 02 49.1	9.11	H	282.224 665 06	−26.046 977 25	A	3.28	−0.37	−25.61	4.88	3.04	4.99	8.50	4.53	−21	−28	+11	+ 6	− 6	−27	+ 9	−52	−13	+ 4	0	1.44
92315	18 48 54.01	−60 15 51.8	8.08	H	282.225 043 89	−60.264 385 84		5.04	26.05	−33.71	0.80	0.76	1.11	1.05	0.85	+11	−18	−18	+ 7	−12	−14	−17	+ 1	+27	− 9	0	0.84
92316	18 48 54.63	+00 35 02.9	11.90	2 H	282.227 626 34	+00.584 150 16		4.21	10.81	−8.86	2.38	1.94	2.59	2.65	2.21	+51	+11	+19	−49	−35	−25	−34	−60	−17	+48	0	−0.68
92317	18 48 54.91	+16 15 23.9	7.90	H	282.228 783 52	+16.256 631 38		8.92	−28.92	54.56	2.05	1.94	2.53	2.42	2.66	+12	−14	−35	−29	+ 3	+13	+11	+ 8	+ 6	+ 3	0	
92318	18 48 55.42	−56 28 13.1	8.62	H	282.230 916 83	−56.470 308 43		5.13	−2.83	−117.36	1.03	0.79	1.23	1.17	0.90	− 8	−23	− 1	+39	−17	+ 8	−13	+21	+ 9	+15	2	−0.71
92319	18 48 55.63	+24 03 21.2	6.55	1 H	282.231 787 19	+24.055 884 69		2.76	−1.41	−5.63	0.35	0.45	0.68	0.38	0.50	− 8	− 8	−10	+27	+26	−12	+20	−10	+25	−17	0	−0.83
92320	18 48 56.12	−02 30 08.0	9.56	G	282.233 844 44	−02.502 213 04		5.47	15.56	−7.38	1.27	0.83	1.49	1.28	1.07	− 3	−28	− 5	−29	+24	+22	+28	−34	+ 8	− 4	2	−0.10
92321 H	18 48 57.83	+21 10 01.3	7.13	G	282.240 970 57	+21.167 031 66	A	1.26	3.65	−4.76	0.66	0.79	1.07	0.78	0.88	+13	− 4	+ 5	+24	+ 4	+ 8	− 1	− 7	+ 5	+ 6	4	1.22
92322 H	18 48 59.03	−08 27 31.2	7.80	H	282.245 949 98	−08.458 669 51	*	0.52	−1.27	−3.93	1.19	1.47	1.06	1.01	0.82	+ 9	− 6	−12	−30	− 8	+15	− 5	−54	+17	+16	1	−0.63
92323	18 48 59.39	−13 54 17.9	7.79	H	282.247 437 92	−13.904 984 74		4.16	13.91	−23.99	0.85	0.47	0.93	0.85	0.60	− 6	−45	+ 2	− 4	+ 8	+18	+12	−37	−16	−16	0	0.03
92324	18 49 00.23	−28 22 59.2	9.54	H	282.250 962 59	−28.383 101 23		4.50	10.38	−4.75	1.54	0.99	1.86	2.15	1.50	− 9	+ 2	−22	−14	+14	−39	+ 8	−46	+34	−16	0	0.38
92325	18 49 00.98	+34 32 27.4	7.71	H	282.254 076 49	+34.540 955 90		17.02	60.53	225.19	0.51	0.59	0.72	0.66	0.82	−13	+ 2	− 4	+ 1	+ 0	−23	+ 1	+19	−12	−19	0	0.98
92326	18 49 01.94	−42 55 40.3	9.40	G	282.258 078 25	−42.927 854 60		8.18	3.05	−24.91	1.28	0.82	1.47	1.57	1.08	+33	−37	−21	+13	+12	− 5	+ 3	−28	+15	+20	0	0.00
92327	18 49 02.27	−34 32 56.3	9.80	H	282.259 476 07	−34.548 960 75		9.73	20.98	−9.25	1.84	1.16	1.95	3.74	1.97	−14	−26	−12	−19	+31	−15	+ 6	−60	+11	−67	0	1.19
92328	18 49 02.51	−52 50 05.9	8.64	H	282.260 448 88	−52.834 967 59		3.99	−0.59	−42.31	1.00	0.75	1.24	1.05	0.72	+14	−32	+ 1	+38	−37	−15	−28	− 4	+ 2	+27	0	0.48
92329	18 49 03.10	−32 42 37.5	6.69	H	282.262 928 16	−32.710 429 49		7.95	−13.50	4.79	0.87	0.48	0.91	1.05	0.58	− 5	−35	−10	+24	−10	+10	−22	−25	+ 6	−32	0	−0.26
92330	18 49 03.47	−63 16 10.3	7.39	2 G	282.264 473 87	−63.269 541 22		6.10	5.16	6.03	0.68	0.57	0.82	0.86	0.68	−25	−24	− 9	+28	−13	− 6	−14	+ 1	+17	−20	0	0.26
92331	18 49 04.61	+05 30 15.9	9.24	H	282.269 228 18	+05.504 426 19		5.35	1.36	−30.05	1.11	0.86	1.27	1.05	0.86	+ 4	−26	− 4	−28	+ 5	− 3	+ 4	−35	− 1	− 9	0	−1.17
92332 H	18 49 06.57	−86 11 42.9	7.98	G	282.277 365 55	−86.195 257 37	A	13.36	51.15	−60.52	0.82	0.83	0.90	0.86	0.95	− 6	−15	−13	− 8	− 9	−11	− 7	+23	+ 3	−15	1	−0.03
92333	18 49 06.96	−57 20 07.5	9.04	H	282.279 002 17	−57.335 410 96		3.19	4.76	−44.14	1.24	1.08	1.58	1.43	1.23	+16	−36	−26	+10	−22	+ 5	−20	−25	+ 4	+ 9	0	−0.11
92334	18 49 07.11	+45 19 16.9	8.58	H	282.279 630 62	+45.321 367 17		0.60	4.98	−17.09	0.69	0.70	0.80	0.75	0.85	− 2	−16	− 1	− 2	+ 3	+ 8	+ 3	+23	−13	+10	0	−0.65
92335	18 49 07.90	+47 30 57.0	7.60	2 H	282.282 929 45	+47.515 832 48		4.44	−22.35	−18.84	0.58	0.64	0.71	0.74	0.99	+ 0	+ 8	−12	− 8	+ 2	−20	+ 2	−16	+20	+ 5	0	2.51
92336	18 49 08.22	+83 54 18.5	6.86	H	282.284 257 43	+83.905 125 43		8.89	6.09	−25.41	0.47	0.51	0.56	0.56	0.73	+14	− 9	+ 1	− 4	− 1	−16	+ 1	− 1	−23	+30	0	−0.61
92337	18 49 08.49	+12 44 47.8	8.72	H	282.285 360 01	+12.746 618 22		3.00	5.07	−3.72	1.24	0.87	1.37	1.44	1.01	+27	−46	−24	+ 5	+13	+ 8	+ 6	−10	+20	+41	5	0.35
92338	18 49 09.27	+31 33 33.0	8.42	H	282.288 639 25	+31.559 155 86		1.36	0.46	0.59	0.58	0.66	0.77	0.72	0.78	− 8	−14	+ 9	+29	+10	+ 7	+ 8	+38	+ 1	−14	0	0.03
92339	18 49 11.05	+14 39 29.3	7.12	H	282.296 043 95	+14.658 134 71		2.83	1.07	−15.03	0.80	0.68	1.01	0.88	0.75	+ 2	− 7	−48	−17	+25	− 9	+22	−28	+30	− 2	0	1.37
92340	18 49 11.26	−10 14 27.9	9.84	3 H	282.296 908 71	−10.241 082 33		3.78	−10.33	7.84	1.53	0.94	1.64	1.63	1.28	+19	−37	−11	−13	−19	+ 8	−13	−59	+ 3	+28	0	2.42
92341	18 49 12.33	−09 38 19.5	10.94	G	282.301 387 39	−09.638 763 80		3.39	0.19	−0.12	2.15	1.51	2.26	2.84	2.41	+34	−31	− 7	−19	−35	+13	−21	−60	+13	+62	2	0.58
92342	18 49 12.61	−62 22 16.9	8.91	H	282.302 526 49	−62.371 366 50		24.07	36.02	−4.69	1.46	1.07	1.59	1.47	1.32	+ 7	−44	+ 6	− 5	+ 8	+ 3	− 7	+10	+31	+ 9	2	1.99
92343	18 49 13.38	+27 43 12.5	6.98	H	282.305 747 28	+27.720 141 61		3.48	−8.13	8.34	0.44	0.49	0.65	0.58	0.61	− 1	− 8	+13	+20	+15	+10	+13	+10	+ 2	+ 0	1	−0.85
92344	18 49 13.81	+61 57 31.7	9.89	H	282.307 525 56	+61.958 800 85		3.29	−3.53	44.35	1.02	0.85	0.98	1.12	0.94	− 1	−16	+20	−12	+ 7	+13	+ 2	+13	− 3	+15	0	1.10
92345	18 49 14.16	−45 46 07.7	9.30	H	282.309 004 61	−45.768 816 89		3.11	15.44	−23.33	1.18	0.86	1.33	1.51	1.04	+13	− 9	+14	−16	− 8	− 7	− 3	−46	−20	+24	0	0.63
92346	18 49 14.29	+25 02 47.7	6.74	H	282.309 549 88	+25.046 582 60		9.60	−6.18	−6.36	0.38	0.45	0.68	0.42	0.53	− 9	−14	+ 8	+20	+15	+ 1	+13	− 3	+17	− 9	0	−0.94
92347	18 49 14.37	+21 29 40.6	10.31	H	282.309 894 54	+21.494 617 25		0.46	0.98	−4.15	0.83	1.27	1.94	1.05	1.47	+21	−15	+ 5	− 9	+10	+28	+ 3	−11	+34	+36	0	0.60
92348	18 49 14.50	−72 57 17.7	8.45	H	282.310 406 46	−72.954 910 99		1.99	1.42	0.92	0.62	0.78	1.01	0.66	0.86	−17	− 3	− 2	+21	+ 6	−11	+ 7	−12	+ 5	−15	1	−0.99
92349	18 49 15.45	−00 58 53.2	7.75	H	282.314 384 95	−00.981 449 07		8.53	10.21	−1.45	0.83	0.61	0.94	0.89	0.75	+46	− 3	+ 3	−43	−21	+ 0	−21	−49	−13	+24	0	1.89
92350	18 49 17.14	−34 44 56.0	6.59	H	282.321 424 65	−34.748 894 89		11.41	34.43	−109.00	0.93	0.60	0.95	1.61	0.86	−37	−12	−22	−16	+38	−31	+17	−56	+25	−72	0	−1.21
92351	18 49 19.80	−08 18 45.0	7.07	H	282.332 498 09	−08.312 509 70		6.61	−12.70	−29.99	0.76	0.53	0.85	0.83	0.67	+20	−20	+ 2	− 6	− 5	+14	− 6	−42	− 7	+12	0	0.56
92352	18 49 20.67	+43 44 03.4	6.54	H	282.336 114 47	+43.734 290 04		6.69	3.44	41.04	0.46	0.46	0.54	0.52	0.54	− 3	+ 0	+ 5	+12	+ 7	− 7	+ 7	+13	+ 1	− 2	0	2.10
92353	18 49 21.02	−36 38 07.3	8.66	H	282.337 566 10	−36.635 358 32		5.73	2.77	−23.26	1.09	0.78	1.47	1.54	1.12	− 2	− 3	−38	−11	+26	−24	+16	−57	+48	−13	0	−1.09
92354	18 49 21.48	+19 43 01.6	8.86	H	282.339 520 70	+19.717 116 90		3.38	2.10	8.93	0.69	0.78	1.30	0.87	1.02	−26	−10	− 6	+35	−17	+ 6	−13	+14	−16	−19	0	−0.46
92355	18 49 21.79	−14 23 40.6	8.05	H	282.340 777 04	−14.394 608 02		2.02	−3.73	−0.68	0.96	0.62	1.09	1.09	0.86	+13	−24	+15	− 3	−11	+12	− 2	−46	−28	+21	4	1.12
92356	18 49 22.66	−28 17 10.8	9.10	H	282.344 396 38	−28.286 339 42		3.09	3.08	−19.55	1.37	0.81	1.51	1.70	1.16	− 4	−22	−18	+ 8	− 2	−20	−12	−38	+21	−14	0	−1.84
92358	18 49 23.35	−81 16 14.8	8.28	H	282.347 300 84	−81.270 764 02		11.75	−9.77	30.06	0.63	0.71	0.89	0.71	0.99	− 9	−19	+22	+ 3	− 8	+ 7	− 5	− 4	−31	−13	3	−1.15
92359	18 49 23.99	+33 42 03.0	7.00	H	282.349 938 72	+33.700 824 87		7.33	−7.06	32.28	0.43	0.47	0.60	0.53	0.59	− 2	− 3	−10	+23	+ 6	−31	+ 5	+36	− 8	− 8	1	1.58
92360	18 49 24.26	−18 16 56.5	8.52	H	282.351 099 32	−18.282 364 92		3.97	5.27	0.05	1.06	0.63	1.16	1.09	0.77	− 3	−35	−13	−11	+13	+ 2	+ 6	−45	+13	−16	0	−0.74
92361	18 49 24.45	−46 19 51.0	8.68	H	282.351 869 71	−46.330 827 86		1.32	2.14	−8.53	0.99	0.73	1.14	1.31	0.84	+22	−14	−15	−18	− 7	−11	−12	−44	− 2	+ 8	7	1.36
92362	18 49 25.84	+64 28 06.3	9.45	H	282.357 687 25	+64.468 410 76		1.59	4.51	−11.54	0.90	0.76	0.81	1.02	0.79	+ 3	− 5	+ 7	+43	+21	− 3	+20	− 1	+14	+ 5	0	1.62
92363 H	18 49 26.37	−29 04 39.5	9.19	H	282.359 869 70	−29.077 645 64	A	9.35	9.36	−17.86	3.77	2.32	2.89	5.77	3.21	−35	+ 4	−30	−12	+22	−21	+20	−53	+39	−62	0	0.55
92364	18 49 26.65	−11 47 18.5	8.21	H	282.361 058 43	−11.788 460 40		3.71	1.89	−7.45	0.93	0.54	1.06	1.26	0.83	+ 5	−15	−11	+18	+ 1	+26	− 2	−32	+24	+ 4	0	0.04
92365	18 49 26.89	−49 42 56.6	8.12	H	282.362 056 03	−49.715 735 98		4.61	2.04	−3.03	1.04	0.88	1.19	1.50	1.13	+35	− 7	− 6	−25	−30	−24	−32	−56	+ 1	+30	0	−2.22
92366	18 49 26.94	+29 20 05.1	9.02	H	282.362 254 46	+29.334 760 65		3.53	1.22	−5.79	0.67	0.76	1.00	0.82	0.83	+ 3	− 5	+ 5	+24	+15	− 9	+13	+16	+18	+ 1	0	0.50
92367	18 49 27.28	−45 48 36.9	5.80	H	282.363 673 28	−45.810 239 48		7.59	74.90	57.31	0.69	0.50	0.79	0.87	0.58	+12	−14	+ 3	−15	+ 1	−13	+ 1	−42	−12	+10	4	1.14
92368	18 49 27.56	−52 50 56.1	8.83	H	282.364 816 68	−52.848 916 69		1.77	−13.92	−24.33	1.04	0.82	1.33	1.13	0.83	+16	−19	− 4	+27	−46	− 5	−37	−10	− 5	+26	2	1.16
92369	18 49 27.66	+57 50 23.5	7.95	H	282.365 252 80	+57.839 874 40		4.67	−3.96	24.17	0.59	0.55	0.61	0.68	0.76	+ 8	+11	+ 1	+12	+ 3	+14	+ 4	+12	+14	+14	1	0.75
92370	18 49 28.59	−16 43 22.9	7.56	3 H	282.369 120 92	−16.723 018 52		0.87	0.08	−3.14	0.98	0.53	1.03	1.05	0.80	−17	−39	+ 3	+ 4	+ 5	+19	+18	−33	+ 7	+19	0	0.95
92371	18 49 28.98	+07 52 53.0	9.55	H	282.370 765 25	+07.881 379 97		2.57	−3.02	−8.33	1.14	0.87	1.45	1.22	1.04	+12	−30	− 8	− 3	+ 5	+22	− 1	−13	+28	+19	0	−0.26
92372	18 49 29.36	+12 08 40.7	9.32	2 H	282.372 340 57	+12.144 648 45		1.47	−1.09	2.69	1.17	0.83	1.27	1.42	1.01	+ 0	−35	− 4	−10	+ 7	+ 5	+ 9	−23	− 4	+ 9	0	1.51
92373	18 49 29.90	−50 42 42.9	10.04	H	282.374 597 34	−50.711 906 23	A	9.10	−16.89	−59.48	4.06	2.79	3.87	5.17	2.98	+13	−24	+ 8	−37	−10	+ 2	− 7	−53	−10	+10	6	1.22
92374 H	18 49 30.12	+18 11 13.4	8.95	2 H	282.375 486 74	+18.187 065 71	A	4.43	−2.75	9.00	1.54	1.53	1.85	1.44	1.59	+36	−14	−14	+ 8	−37	+16	−31	−34	+42	+37	0	0.01
92375	18 49 31.03	−58 56 52.0	7.92	G	282.379 303 26	−58.947 789 46		3.70	12.87	7.12	0.86	0.75	1.08	0.95	0.75	− 1	−23	− 5	+25	−32	− 7	−26	−13	− 6	+ 5	0	−0.27
92376	18 49 31.26	+58 42 09.2	8.66	H	282.380 237 55	+58.702 553 15		1.97	2.71	10.99	0.63	0.65	0.66	0.68	0.83	+ 5	+ 1	− 3	+23	− 1	+13	− 1	+16	+ 6	+11	4	−1.55
92377	18 49 32.06	−10 22 47.9	7.47	H	282.383 569 30	−10.379 974 97		5.62	−14.39	−15.60	0.93	0.58	0.99	0.91	0.73	+17	−43	−17	− 3	− 6	+ 3	− 1	−39	+12	+33	2	0.77
92378	18 49 32.38	−64 47 24.3	8.04	H	282.384 900 24	−64.790 093 67		1.18	−2.82	5.66	0.79	0.74	1.04	1.05	0.77	−10	− 6	−18	+31	−21	+ 6	−16	+ 3	+ 4	− 7	0	−0.23
92379	18 49 32.51	+23 53 49.8	8.43	G	282.385 477 37	+23.897 165 10		7.66	−14.79	9.75	0.53	0.67	1.03	0.57	0.74	− 3	−10	− 8	+39	+30	−15	+23	+ 0	+23	−19	3	1.14
92380	18 49 34.02	−07 34 01.7	8.05	G	282.391 769 77	−07.567 152 63		4.17	4.49	−5.34	0.90	0.59	1.00	0.96	0.76	+14	−29	−12	− 2	− 8	+11	− 4	−39	− 2	+15	0	0.75
92381	18 49 34.89	+22 57 14.0	8.08	H	282.395 388 67	+22.953 881 39		2.33	5.02	−4.16	0.46	0.60	0.91	0.56	0.77	− 1	− 5	− 7	+24	+20	− 9	+14	−12	+15	−17	0	−0.65
92382	18 49 35.00	−43 26 02.5	5.60	H	282.395 825 42	−43.434 040 10		5.37	−2.88	−25.39	0.64	0.44	0.75	0.85	0.54	− 1	−24	− 8	+16	+ 1	− 9	− 7	−28	+ 5	−20	0	2.30
92383	18 49 35.26	−78 40 45.2	9.65	G	282.396 926 69	−78.679 218 55		−0.42	2.89	−15.16	0.76	0.83	1.03	0.96	0.98	−10	−19	− 2	+ 0	− 3	+ 0	− 2	−27	− 4	−11	1	1.99
92384	18 49 35.36	−19 08 32.4	6.77	H	282.397 328 14	−19.142 337 41		7.79	−3.41	−1.98	0.86	0.53	0.93	1.04	0.65	−30	− 6	−39	−20	+28	− 9	+20	−53	+27	−48	0	0.66
92385	18 49 36.86	−27 07 30.3	7.66	H	282.403 601 07	−27.125 091 98		3.68	12.73	−2.55	1.05	0.58	1.06	1.43	0.89	+ 1	−33	−14	+30	−18	−20	−32	−29	+12	−20	0	0.96
92386	18 49 37.18	+00 50 10.4	6.24	H	282.404 935 77	+00.836 235 68		5.67	13.75	−15.77	0.78	0.61	0.81	0.75	0.61	+43	+ 7	+20	−54	−33	−26	−30	−63	−16	+37	2	−0.24
92387	18 49 38.08	+38 25 39.7	7.90	H	282.408 662 88	+38.427 683 51		3.75	14.10	14.85	0.65	0.60	0.75	0.82	0.66	−11	− 8	− 1	+11	+17	−18	+15	+ 6	+ 5	− 7	0	0.35
92388	18 49 38.46	+13 13 08.9	8.59	G	282.410 258 74	+13.219 148 65		27.53	−195.59	−221.91	1.17	0.81	1.24	1.37	0.95	+24	−37	−16	+26	+24	+13	+20	+ 2	+22	+41	0	−0.53
92389	18 49 39.84	−25 36 47.6	8.91	H	282.415 993 87	−25.613 233 02		−1.24	1.33	0.09	1.44	0.85	1.55	1.79	1.28	+10	−32	+ 2	+ 1	−19	−14	−22	−49	+ 9	+12	0	2.71
92390	18 49 40.11	−20 19 29.1	5.22	H	282.417 114 08	−20.324 740 38		4.35	−1.82	34.70	0.86	0.53	0.92	1.04	0.66	−25	−17	−35	−25	+35	− 6	+25	−54	+26	−48	0	0.64
92391	18 49 40.96	−05 54 46.2	5.99	H	282.420 646 27	−05.912 834 15		2.19	0.23	−11.69	0.78	0.48	0.87	0.86	0.57	+ 3	−24	−19	+10	+ 2	+17	+ 0	−27	+ 6	−11	0	−1.06
92392 H	18 49 41.10	−33 35 52.2	7.70	H	282.421 249 10	−33.597 820 23	A	7.68	−17.55	−58.08	2.81	1.62	2.37	2.90	1.67	+ 8	− 9	+12	− 4	− 7	−25	− 3	−32	− 6	− 1	1	0.56
92393	18 49 42.47	+15 56 04.4	6.68	H	282.426 964 90	+15.934 561 78		2.31	2.56	−7.67	0.66	0.61	0.84	0.84	0.87	+ 7	− 6	−32	−13	+ 3	+29	+14	+18	+14	+12	0	−1.88
*92394 H	18 49 43.68	−72 59 44.6	6.04	H	282.431 984 64	−72.995 712 54	A	4.43	2.07	−4.11	0.47	0.57	0.69	0.46	0.55	−16	+ 3	+ 9	+15	+ 0	−10	+ 2	−11	− 2	−13	2	−0.27
*92395	18 49 43.64	+36 40 34.4	8.28	G	282.431 848 04	+36.676 222 42		9.21	−3.91	76.35	0.59	0.67	0.77	0.64	0.77	− 9	− 3	+ 0	+ 4	+12	−18	+13	+ 9	− 5	− 2	0	−1.40
92396	18 49 44.08	+31 37 46.1	6.64	H	282.433 666 41	+31.629 462 27		3.39	8.09	−0.58	0.47	0.46	0.59	0.59	0.59	−16	−17	+16	+31	+ 2	+ 3	+ 1	+30	+ 4	−25	0	0.88
92397	18 49 44.42	−31 32 26.7	9.05	H	282.435 088 43	−31.540 743 70		6.24	13.95	−19.14	1.33	0.83	1.44	1.90	1.05	+ 1	−15	+ 1	+ 7	− 2	−23	−14	−46	+ 6	−26	0	−0.21
92398	18 49 45.91	+32 48 46.2	5.93	H	282.441 302 95	+32.812 832 98		3.23	1.87	−5.19	0.39	0.43	0.53	0.43	0.54	− 7	− 7	+ 0	+24	− 3	−17	+ 0	+40	−15	−15	0	−1.95

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
92301	7.513	0.009	6.588	0.008	*	0.902	0.006	G	0.90	0.00	H *	6.6078	0.0023	0.023	79	*	6.57	6.65		R	18488−1836	I 1	2 C A	AB	163	0.437	0.002	0.81	0.01	S
92302	10.007	0.023	8.547	0.012		1.230	0.020	T	1.19	0.02	L	8.5452	0.0017	0.016	120		8.52	8.57					1						
92303	10.603	0.046	9.871	0.039		0.657	0.046	T	0.72	0.04	L	9.8776	0.0029	0.027	74		9.83	9.94					1						G
92304	9.807	0.025	8.947	0.019	A	0.737	0.002	G	0.78	0.00	H *	8.9732	0.0031	0.027	79	*	8.93	9.02			18488−3006	I 1	2 C D	AB	137	5.758	0.112	4.21	0.51	D
92305	8.381	0.011	7.928	0.011		0.440	0.015	G	0.51	0.02	H	7.9698	0.0011	0.011	112		7.95	7.99					1						S
92306	10.389	0.034	9.710	0.031		0.628	0.038	T	0.70	0.03	L	9.8021	0.0019	0.017	96		9.76	9.83			18487+6853	I 1	1						
92307	7.450	0.008	7.252	0.009		0.182	0.012	T	0.20	0.01	L	7.2785	0.0011	0.007	76		7.26	7.29		C			1						S
92308	5.617	0.005	5.471	0.005		0.133	0.007	T	0.15	0.01	L	5.5057	0.0007	0.005	69		5.49	5.52		C			1 G						S
92309	9.317	0.018	9.046	0.021		0.306	0.020	G	0.35	0.03	H	9.0886	0.0022	0.017	77		9.05	9.11					1						
92310	9.118	0.018	7.915	0.012		1.029	0.017	T	1.00	0.01	L	7.9420	0.0016	0.013	74		7.92	7.96		C	18489−4120	I 1	1						S
92311	10.914	0.041	9.342	0.017		1.284	0.009	G	1.47	0.01	I	9.2783	0.0022	0.026	147		9.24	9.33					1						
92312	5.920	0.003	5.896	0.003		0.022	0.004	T	0.04	0.00	L	5.9081	0.0005	0.006	163		5.90	5.92					1						S
92313	9.137	0.013	8.662	0.013		0.447	0.017	T	0.52	0.02	L	8.7047	0.0019	0.017	114		8.68	8.73					1						
92314	9.281	0.037	8.646	0.028	*	0.585	0.034	T	0.66	0.03	L *	9.2287	0.0022	0.017	63	*	9.20	9.26		R	18489−2603	I 1	2 C A	AB	134	1.688	0.007	0.07	0.01	
92315	9.504	0.021	8.215	0.013		1.096	0.019	T	1.06	0.02	L	8.2469	0.0017	0.014	71		8.23	8.27					1						
92316											T	11.8413	0.0152	0.128	93		11.55	12.02		U 2			1						G
92317	8.608	0.014	8.054	0.013		0.519	0.017	T	0.59	0.02	L	8.0140	0.0018	0.017	76		7.99	8.06		D	18489+1615	I 1	1 X S						S
92318	10.044	0.027	8.723	0.016		1.122	0.025	T	1.08	0.03	L	8.7892	0.0021	0.015	81		8.76	8.81		C			1						
92319	6.444	0.003	6.527	0.003		−0.071	0.004	T	−0.05	0.00	L	6.5282	0.0007	0.010	237		6.51	6.54		M			1						S
92320	10.122	0.031	9.593	0.031		0.476	0.020	G	0.55	0.02	H	9.7020	0.0030	0.021	89		9.65	9.74		C			1						G
92321	7.055	0.006	7.079	0.008	*	0.010	0.015	G	0.03	0.01	H *	7.1205	0.0010	0.011	174	*	7.11	7.14		D	18490+2110	I 1	2 C A	AB	38	4.267	0.006	2.16	0.03	S
92322	7.924	0.008	7.813	0.009	*	0.100	0.011	T	0.11	0.01	L *	7.8375	0.0010	0.012	89	*	7.81	7.85		D	18490−0827	I 1	2 C A	AD	265	0.201	0.019	1.51	0.42	S
92323	8.212	0.008	7.829	0.010		0.374	0.011	T	0.44	0.01	L	7.8759	0.0013	0.012	89		7.85	7.89					1						S
92324	10.167	0.040	9.586	0.040		0.522	0.020	G	0.59	0.02	H	9.6518	0.0035	0.023	67		9.62	9.71					1						
92325	8.389	0.010	7.794	0.009		0.571	0.015	G	0.64	0.01	H	7.8374	0.0015	0.013	119		7.81	7.86					1 S						S
92326	9.990	0.029	9.438	0.028		0.559	0.005	G	0.63	0.01	H	9.5103	0.0024	0.019	76		9.47	9.56		C			1						
92327	10.621	0.056	9.906	0.047		0.644	0.055	T	0.71	0.05	L	9.9326	0.0033	0.026	62		9.89	9.97		C			1						G
92328	10.068	0.026	8.752	0.015		1.118	0.023	T	1.08	0.02	L	8.8104	0.0017	0.016	110		8.79	8.84		C			1						
92329	8.023	0.009	6.808	0.006		1.039	0.008	T	1.01	0.01	L	6.8585	0.0009	0.007	82		6.84	6.87		C			1						S
92330	7.638	0.008	7.427	0.008		0.183	0.015	G	0.20	0.02	H	7.4595	0.0033	0.030	88		7.44	7.64		U 2 C			1						S P
92331	10.900	0.051	9.373	0.023		1.000	0.040	G	0.98	0.03	R	9.4110	0.0018	0.017	78		9.38	9.44		C			1						
92332	8.418	0.012	7.935	0.012	*	0.521	0.015	G	0.59	0.02	H *	8.0810	0.0013	0.012	134	*	8.06	8.10		D	18491−8612	H 1	2 C A	AB	320	2.812	0.006	1.98	0.03	S
92333	10.437	0.045	9.151	0.026		1.094	0.041	T	1.06	0.04	L	9.2044	0.0035	0.022	61		9.17	9.24					1						
92334	10.211	0.027	8.718	0.014		1.280	0.015	G	1.24	0.02	H	8.7388	0.0019	0.016	118		8.71	8.77		C			1						
92335	9.196	0.015	7.784	0.009		1.209	0.014	T	3.52	0.03	O	7.2944	0.0076	0.094	95		7.11	7.45		U 2			1 S						S
92336	6.991	0.005	6.869	0.005		0.118	0.007	T	0.13	0.01	L	6.9014	0.0011	0.009	123		6.89	6.92		C			1						S
92337	10.726	0.062	8.904	0.021		1.160	0.040	G	1.12	0.04	R	8.8911	0.0031	0.017	67		8.86	8.93					1						
92338	8.407	0.009	8.416	0.012		−0.004	0.014	T	0.02	0.01	L	8.4277	0.0015	0.013	133		8.41	8.45					1						
92339	7.148	0.007	7.137	0.009		0.015	0.011	T	0.03	0.01	L	7.1326	0.0013	0.009	66		7.12	7.15		C			1						S
92340	10.713	0.055	10.042	0.053		0.621	0.064	T	0.69	0.06	L	9.9749	0.0228	0.213	81		9.86	10.72	0.66	P 1 A			1 S						G
92341						1.590	0.086	G	1.56	0.09	J	10.8143	0.0062	0.038	80		10.70	10.86					1 S						G
92342	10.077	0.030	9.012	0.020		0.913	0.028	T	0.91	0.02	L	9.0587	0.0023	0.018	108		9.03	9.09		C			1 G						
92343	8.500	0.010	7.116	0.005		1.171	0.009	T	1.13	0.01	L	7.1489	0.0008	0.012	155		7.13	7.17					1						S
92344	11.183	0.061	9.919	0.033		1.077	0.054	T	1.04	0.04	L	10.0605	0.0022	0.020	100		10.01	10.11		C			1						G
92345	9.881	0.029	9.272	0.027		0.567	0.035	T	0.64	0.03	L	9.4209	0.0023	0.017	74		9.38	9.45		C			1 S						
92346	6.856	0.003	6.752	0.004		0.094	0.005	T	0.11	0.01	L	6.7834	0.0008	0.010	199		6.77	6.80					1 S						S
92347	11.986	0.096	10.466	0.038		1.278	0.081	T	1.24	0.08	L	10.4708	0.0029	0.042	204		10.39	10.54					1						G
92348	10.109	0.020	8.592	0.010		1.275	0.018	T	1.23	0.02	L	8.6075	0.0018	0.021	187		8.57	8.65					1 S						
92349	7.914	0.007	7.757	0.007		0.131	0.015	G	0.15	0.01	H	7.7971	0.0013	0.012	117		7.78	7.82		C			1						S
92350	8.015	0.012	6.715	0.007		1.085	0.006	G	1.05	0.01	H	6.7621	0.0012	0.011	72		6.75	6.78		C			1						S
92351	8.650	0.013	7.215	0.008		1.211	0.012	T	1.17	0.01	L	7.2311	0.0012	0.009	90		7.22	7.25		C			1						S
92352	7.553	0.007	6.643	0.006		0.810	0.015	G	0.89	0.04	D	6.6964	0.0014	0.009	115		6.68	6.71					1 G						S
92353	9.105	0.016	8.685	0.017		0.397	0.022	T	0.46	0.02	L	8.7527	0.0018	0.015	90		8.72	8.77		C			1						
92354	10.283	0.025	9.000	0.014		1.092	0.022	T	1.05	0.02	L	9.0309	0.0016	0.021	156		8.99	9.08					1						
92355	9.047	0.017	8.159	0.014		0.758	0.015	G	0.80	0.01	H	8.1854	0.0021	0.013	83		8.16	8.21					1 S						
92356	10.675	0.067	9.276	0.033		1.000	0.040	G	0.98	0.03	R	9.2626	0.0025	0.015	66		9.24	9.30					1 S						
92358	8.853	0.011	8.329	0.011		0.501	0.012	T	0.57	0.01	L	8.3900	0.0017	0.018	135		8.37	8.43		C			1						S
92359	7.136	0.005	7.014	0.007		0.118	0.008	T	0.13	0.01	L	7.0414	0.0012	0.010	133		7.03	7.06					1						S
92360	8.709	0.014	8.557	0.017		0.187	0.020	G	0.21	0.02	H	8.5796	0.0017	0.013	82		8.55	8.60					1						
92361	9.988	0.028	8.793	0.018		1.023	0.026	T	1.00	0.02	L	8.8441	0.0014	0.014	75		8.82	8.87		C			1 S						
92362	9.540	0.019	9.467	0.025		0.072	0.029	T	0.08	0.03	L	9.4840	0.0021	0.020	110		9.45	9.53					1						
92363	9.383	0.031	8.771	0.037	*	0.568	0.035	T	0.64	0.03	L *	9.3085	0.0027	0.020	78	*	9.28	9.35		R	18494−2905	I 1	2 C A	AB	152	2.071	0.005	0.36	0.02	
92364	8.575	0.013	8.240	0.013		0.318	0.017	T	0.37	0.02	L	8.2844	0.0015	0.014	86		8.26	8.32					1						
92365	9.622	0.024	8.244	0.014		1.166	0.022	T	1.13	0.02	L	8.2892	0.0013	0.012	62		8.27	8.31		D			1						
92366	9.071	0.011	9.001	0.014		0.069	0.017	T	0.08	0.02	L	9.0482	0.0023	0.023	148		9.01	9.08					1						
92367	6.921	0.006	5.894	0.004		0.891	0.002	G	0.90	0.00	H	5.9543	0.0008	0.006	79		5.95	5.97					1						S
92368	10.457	0.035	8.933	0.017		1.281	0.031	T	1.24	0.03	L	8.9866	0.0016	0.016	106		8.96	9.01					1						
92369	8.172	0.009	7.960	0.012		0.202	0.014	T	0.22	0.02	L	8.0131	0.0016	0.015	106		7.98	8.03		C			1						S
92370	8.634	0.014	7.485	0.010		0.890	0.020	G	1.02	0.02	A	7.7285	0.0482	0.270	78		7.19	7.85	9.55	P 1 A			1 S						S
92371	9.760	0.026	9.574	0.031		0.251	0.005	G	0.28	0.01	H	9.6195	0.0038	0.025	73		9.58	9.66					1						G
92372	9.566	0.025	9.372	0.030		0.186	0.037	T	0.20	0.04	L	9.3851	0.0043	0.029	63		9.35	9.52		U 2			1						
92373	10.819	0.067	10.069	0.057	A	0.637	0.005	G	0.70	0.00	R	10.1712	0.0157	0.031	64	A	10.13	10.28		D	18495−5043	I 1	2 C A	AC	19	10.880	0.011	0.90	0.05	
92374	9.170	0.012	8.988	0.014	*	0.174	0.017	T	0.19	0.02	L *	9.0083	0.0028	0.031	160	*	8.97	9.12	1.60	P 1 A	18495+1811	H 1	2 C A	AB	55	0.460	0.018	2.53	0.07	
92375	8.009	0.012	7.919	0.009		0.066	0.006	G	0.08	0.01	H	7.9425	0.0019	0.011	73		7.93	7.97		C			1						S
92376	8.692	0.011	8.639	0.013		0.054	0.016	T	0.07	0.01	L	8.6858	0.0014	0.013	115		8.66	8.72					1						
92377	9.147	0.017	7.615	0.009		1.287	0.015	T	1.25	0.02	L	7.6311	0.0009	0.009	90		7.61	7.65		D			1						
92378	9.914	0.029	8.186	0.014		1.442	0.025	T	1.44	0.04	L	8.1743	0.0024	0.020	98		8.14	8.21					1						
92379	9.067	0.009	8.460	0.009		0.550	0.015	G	0.62	0.01	H	8.5386	0.0015	0.018	240		8.51	8.57					1						
92380	8.121	0.010	8.073	0.013		0.064	0.015	G	0.07	0.02	H	8.0842	0.0015	0.015	82		8.06	8.11					1						
92381	8.177	0.007	8.095	0.008		0.081	0.010	T	0.09	0.01	L	8.1132	0.0011	0.015	197		8.09	8.14					1						
92382	5.497	0.004	5.587	0.004		−0.077	0.005	T	−0.06	0.01	L	5.5785	0.0010	0.008	71		5.57	5.59					1						S
92383	9.745	0.017	9.620	0.022		0.102	0.002	G	0.12	0.00	H	9.6782	0.0020	0.029	145		9.63	9.72					1						
92384	7.007	0.006	6.781	0.007		0.192	0.001	G	0.20	0.03	C	6.8350	0.0010	0.010	75		6.82	6.85					1						S
92385	7.944	0.009	7.696	0.011		0.232	0.014	T	0.26	0.02	L	7.7313	0.0015	0.012	69		7.71	7.75					1						S
92386	6.285	0.003	6.240	0.004		0.041	0.004	T	0.06	0.00	L	6.2569	0.0009	0.008	105		6.25	6.27					1						S
92387	8.036	0.008	7.924	0.011		0.109	0.013	T	0.12	0.01	L	7.9447	0.0016	0.012	110		7.93	7.97					1						S
92388	9.484	0.020	8.674	0.016		0.730	0.015	G	0.78	0.01	H	8.7121	0.0026	0.020	80		8.67	8.74		C			1						
92389	11.290	0.093	9.112	0.023		1.799	0.077	T	1.83	0.08	L	9.0047	0.0031	0.023	69		8.97	9.05					1 S						
92390	7.060	0.006	5.379	0.003		1.404	0.005	T	1.38	0.01	L	5.3628	0.0008	0.007	88		5.35	5.38			18497−2019	I 1	1 S						S
92391	8.054	0.012	6.167	0.007		1.568	0.011	T	1.59	0.01	L	6.1084	0.0009	0.008	76		6.09	6.12		C	18497−0555	I 1	1						S
92392	8.269	0.023	7.835	0.021	*	0.410	0.029	T	0.48	0.03	L *	7.7947	0.0015	0.012	69	*	7.77	7.82		R	18497−3336	I 1	2 C A	AB	233	1.161	0.006	0.08	0.02	S
92393	6.633	0.004	6.668	0.005		−0.029	0.006	T	−0.01	0.01	L	6.6775	0.0012	0.009	83		6.66	6.69					1						S
92394	6.007	0.006	5.976	0.005	*	0.033	0.007	T	0.05	0.01	L *	6.0570	0.0007	0.008	195	*	6.05	6.07		D	18497−7300	I 1	2 C A	AB	271	1.946	0.003	1.95	0.01	S
92395	8.970	0.012	8.352	0.011		0.602	0.015	G	0.67	0.01	H	8.3976	0.0013	0.017	119		8.37	8.42					1						
92396	6.615	0.004	6.632	0.005		−0.014	0.006	T	0.01	0.01	L	6.6395	0.0006	0.007	133		6.62	6.65		C			1						S
92397	10.970	0.068	9.218	0.026		1.461	0.058	T	1.47	0.09	L	9.1842	0.0021	0.016	64		9.16	9.22		C			1						
92398	5.721	0.003	5.898	0.003		−0.154	0.004	T	−0.15	0.01	L	5.8726	0.0006	0.006	138		5.86	5.88			18498+3249	I 1	1						S
92399	9.867	0.024	8.603	0.015		1.140	0.015	G	1.10	0.02	H	8.6377	0.0019	0.018	89		8.61	8.67		C			1						
92400											T	11.4382	0.0060	0.061	119		11.32	11.53		U			1 S						G

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
1 2	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr		19	20	21	22	23	24	25	26	27	28	%	
	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18										29	30
92401	18 49 48.51	+11 10 03.2	8.05	H	282.452 114 94	+11.167 553 29		1.02	2.52	4.52	0.81	0.64	0.89	0.89	0.70	+10	−20	− 9	−19	+ 5	− 5	+ 2	−32	+11	+ 4	0	0.40
92402	18 49 48.68	−59 35 57.8	8.71	1 H	282.452 815 45	−59.599 388 41		1.12	1.73	−6.27	1.14	0.89	1.34	1.37	0.90	+ 1	−27	+ 6	+21	−18	−13	−19	−16	+19	+ 0	2	1.36
92403	18 49 48.96	−23 50 08.8	10.37	H	282.453 983 21	−23.835 764 57		336.48	637.55	−192.47	1.72	0.92	1.82	2.22	1.45	− 6	−23	− 7	+11	+ 5	− 2	+ 2	−44	+13	− 8	0	0.41
92404	18 49 49.94	+40 44 09.7	7.74	H	282.458 087 37	+40.736 033 76		1.72	−2.87	−20.18	0.51	0.66	0.68	0.52	0.84	+ 9	− 8	+ 0	+ 7	+ 3	− 6	+ 2	+11	+11	+ 9	0	0.67
92405	18 49 52.92	+32 33 03.9	5.22	H	282.470 520 43	+32.551 088 73		13.70	−11.76	−12.76	0.38	0.45	0.53	0.43	0.59	−11	−13	− 1	+21	− 6	−12	− 6	+25	− 1	−14	1	−1.13
92406	18 49 53.60	+22 43 07.4	8.77	H	282.473 312 80	+22.718 718 17		4.35	−1.11	3.20	0.65	0.81	1.30	0.89	1.00	+14	−19	−19	+ 2	+ 4	+ 5	− 2	−20	+34	+15	1	−0.28
92407	18 49 54.21	−54 32 04.7	8.60	H	282.475 858 78	−54.534 646 81		2.27	8.07	−5.34	1.10	0.89	1.30	1.16	0.93	+21	−32	−16	+31	−29	− 1	−26	+10	+ 8	+24	0	0.44
92408	18 49 54.70	+78 50 21.6	8.05	H	282.477 898 84	+78.839 320 13		7.73	−0.62	99.02	0.56	0.52	0.59	0.59	0.59	+10	−15	+ 6	+23	+ 9	− 5	+13	+ 8	−23	+17	0	0.31
92409	18 49 54.80	+08 31 11.0	8.93	H	282.478 345 20	+08.519 711 37		−0.20	−2.16	−7.36	0.97	0.74	1.21	1.09	0.86	+25	−39	−28	− 3	+ 9	+ 5	− 2	−22	+29	+13	0	−1.24
92410 H	18 49 55.77	+26 25 30.4	7.10	H	282.482 394 06	+26.425 101 35	A	7.83	−1.34	23.07	0.61	0.73	0.90	0.66	0.87	− 3	− 8	+ 1	− 3	+ 5	+10	+ 5	+25	− 2	− 7	0	1.69
92411	18 49 56.46	−67 17 12.7	7.72	H	282.485 260 68	−67.286 857 79		4.35	−9.94	−16.61	0.54	0.57	0.90	0.50	0.59	−12	− 9	− 7	−43	− 6	+ 0	− 9	−28	+ 5	− 4	2	1.69
92412 H	18 49 57.26	−52 07 19.2	7.10	2 H	282.488 594 36	−52.122 002 79	A	4.70	−12.59	−17.72	0.94	0.72	1.03	0.96	0.67	+24	−32	− 4	+24	−28	−12	−25	− 4	+ 6	+26	1	−0.54
92413	18 49 58.27	−56 26 22.0	9.47	H	282.492 787 79	−56.439 442 50		3.41	6.99	−4.77	1.21	0.98	1.51	1.39	1.01	+ 4	−21	−18	+26	−31	+ 2	−25	− 2	− 1	+11	0	1.37
92414 H	18 50 00.30	+20 43 16.6	9.34	3 H	282.501 264 78	+20.721 277 32	A	−0.18	−1.65	−7.62	1.81	1.90	2.28	2.31	2.31	+ 2	+ 3	+ 6	+ 9	− 9	+ 7	− 9	−17	− 6	+10	9	1.14
*92415	18 50 00.69	−39 20 53.8	8.26	H	282.502 879 13	−39.348 289 13		8.09	27.88	−14.88	1.17	0.65	1.30	1.15	0.76	−16	−52	+ 8	− 2	+17	+11	+ 7	−32	+12	− 9	0	3.26
*92416	18 50 00.61	+06 13 18.8	9.50	H	282.502 537 52	+06.221 887 84		−1.01	0.47	−9.54	1.23	0.97	1.41	1.25	1.05	+19	−35	−22	−37	+ 5	+ 3	+ 0	−38	+15	+12	0	0.74
92417	18 50 00.94	+03 05 20.8	10.73	G	282.503 909 54	+03.089 103 17		45.88	−180.40	−407.12	1.67	1.16	1.98	2.02	1.60	+28	−38	−18	−29	−10	+33	− 3	−29	+ 2	+30	0	1.33
92418	18 50 02.00	+15 18 40.3	7.52	H	282.508 319 77	+15.311 191 89		18.34	102.41	131.12	0.73	0.64	0.89	0.86	0.80	+ 5	− 2	−27	−17	+11	+21	+18	−10	+17	+15	4	2.22
92419	18 50 03.28	+29 48 55.0	7.61	H	282.513 673 50	+29.815 274 75		2.57	2.08	−2.64	0.47	0.58	0.75	0.51	0.68	+ 2	+ 0	− 7	+17	+17	−16	+17	+16	+25	− 3	0	0.82
*92420	18 50 04.79	+33 21 45.6	3.52	3 T	282.519 974 62	+33.362 677 88		3.70	1.10	−4.46	0.39	0.40	0.52	0.44	0.51	− 8	− 2	− 4	+11	+ 7	−20	+ 9	+26	−12	−16	0	−1.12
*92421	18 50 04.77	−39 48 37.9	9.37	H	282.519 863 55	−39.810 538 96		5.34	2.68	−1.94	1.25	0.84	1.50	1.61	1.01	− 5	−28	− 6	−11	+35	− 2	+21	−44	+15	−27	0	−0.49
92422	18 50 05.52	−06 25 01.4	8.66	G	282.522 988 87	−06.417 044 73		0.96	−1.18	0.81	1.21	0.82	1.32	1.37	1.09	+13	+ 1	− 8	−12	− 5	+11	+ 0	−42	− 2	+23	2	1.27
92423 H	18 50 05.57	−08 23 08.1	8.69	2 G	282.523 227 69	−08.385 579 40	*	0.21	0.76	−1.57	1.08	0.72	1.20	1.26	0.98	+25	−11	− 5	− 4	− 9	+16	− 9	−51	+ 4	+24	0	−0.44
92424	18 50 08.27	−09 19 42.6	11.36	H	282.534 445 15	−09.328 493 54		−1.94	8.56	1.74	3.04	2.34	3.15	3.96	3.47	+32	−11	−11	−29	−27	+ 7	−13	−54	+ 8	+62	4	3.25
92425	18 50 08.43	−42 12 40.0	7.56	H	282.535 124 94	−42.211 113 78		4.39	4.40	−25.56	0.85	0.61	1.03	1.17	0.81	+12	− 9	−16	− 7	+ 9	−15	+ 2	−43	+16	− 1	0	0.65
92426	18 50 08.84	−03 37 21.0	6.93	H	282.536 837 68	−03.622 498 55		5.18	5.40	−70.57	0.73	0.51	0.85	0.80	0.59	− 7	−17	−19	−17	+ 1	+22	+ 1	−31	−17	−41	0	−1.29
92427	18 50 09.41	−33 35 52.8	8.11	H	282.539 218 70	−33.598 001 84		13.51	20.48	−32.35	1.07	0.57	1.07	1.20	0.69	−19	−41	+ 7	+13	− 4	+ 1	− 8	−35	− 6	−34	2	0.55
92428	18 50 11.15	+13 55 15.5	8.64	H	282.546 449 63	+13.920 985 91		5.28	−16.54	−17.97	1.00	0.81	1.14	1.26	0.93	+ 9	−30	−17	+10	+29	+ 6	+21	− 4	+19	+13	0	−1.30
92429	18 50 12.01	−22 50 53.4	7.20	H	282.550 053 41	−22.848 172 09		1.57	0.16	−6.23	0.96	0.48	1.02	0.94	0.59	− 3	−51	+ 3	+13	+ 3	+12	− 6	−30	+ 3	−18	2	1.36
92430	18 50 12.04	−33 31 25.4	8.73	H	282.550 171 76	−33.523 731 95		9.30	−4.76	−9.66	1.22	0.66	1.25	1.38	0.80	−14	−41	+15	+10	− 5	+ 0	− 8	−42	−12	−28	0	0.58
92431	18 50 12.16	+78 57 57.6	7.87	H	282.550 664 06	+78.966 006 87		4.11	−5.42	19.50	0.56	0.51	0.58	0.58	0.56	+ 7	−18	+ 7	+17	+ 5	− 9	+ 9	− 1	−13	+17	0	0.69
92432	18 50 13.68	−54 21 34.4	7.85	H	282.556 988 79	−54.359 548 28		5.09	−8.28	−55.05	0.86	0.63	0.95	0.94	0.69	− 8	−28	− 4	+48	−27	− 1	−22	+27	+ 4	+ 6	2	1.18
92433	18 50 14.35	−49 15 47.0	9.66	H	282.559 792 04	−49.263 048 95		9.31	−32.15	−181.90	1.40	1.00	1.57	1.81	1.36	+19	−36	− 2	−14	−12	− 8	− 8	−36	− 7	+28	0	0.60
92434 H	18 50 14.95	+11 31 21.6	7.11	H	282.562 290 43	+11.522 664 23	A	0.95	2.83	5.95	1.16	0.88	1.12	1.17	0.88	− 5	−10	− 1	−11	+19	− 4	+19	−31	+ 2	− 8	2	−0.19
92435	18 50 15.69	+18 24 12.5	7.93	H	282.565 370 28	+18.403 460 82		2.41	−18.94	−25.09	0.56	0.59	1.03	0.70	0.71	+ 6	−12	−19	+ 2	−33	+34	−28	−29	+38	+23	0	0.90
92436	18 50 18.11	+60 50 15.1	6.69	H	282.575 443 13	+60.837 514 11		5.78	−19.34	15.63	0.53	0.42	0.48	0.59	0.48	+ 2	− 6	+10	+35	+ 8	− 3	+11	+ 0	− 6	+10	3	−0.70
92437	18 50 18.44	−45 08 28.1	11.56	H	282.576 813 44	−45.141 127 50	B	0.65	−7.00	18.78	32.06	24.18	13.34	23.80	16.64	+20	−17	− 4	− 8	+ 8	− 2	+ 5	−39	− 6	+ 6	1	0.88
92438	18 50 18.55	−63 55 48.8	9.19	H	282.577 283 36	−63.930 235 46		5.28	21.06	−71.46	1.00	0.94	1.29	1.28	1.08	− 4	−22	−15	+31	−22	− 6	−23	−11	+20	− 5	0	0.47
92439	18 50 18.58	+30 22 36.9	8.23	H	282.577 426 03	+30.376 930 20		1.25	−7.13	−21.25	0.56	0.66	0.83	0.61	0.78	+ 4	− 7	+ 8	+27	+ 9	−18	+13	+34	+ 2	− 1	3	2.12
92440	18 50 19.35	+46 38 08.7	8.85	H	282.580 643 86	+46.635 743 10		2.72	3.30	−16.24	0.77	0.78	0.90	1.02	1.18	+ 3	+ 4	−12	− 9	+ 0	−23	− 2	+ 5	+ 3	+ 0	0	−0.59
92441	18 50 19.64	−45 08 34.8	9.97	G	282.581 822 07	−45.143 001 32	A	1.68	3.48	−18.93	4.11	3.03	3.37	4.56	2.98	+27	−12	+ 0	−22	− 1	+ 0	− 3	−48	− 4	+20	1	0.88
92442	18 50 20.03	−07 54 27.4	6.82	2 H	282.583 468 98	−07.907 607 78		2.53	8.63	−3.72	0.81	0.53	0.90	0.87	0.68	+ 1	−24	+ 6	− 2	− 2	+ 7	+ 1	−42	−15	+ 1	0	0.80
*92443	18 50 21.45	−38 38 45.3	11.85	H	282.589 373 94	−38.645 924 11		−2.68	42.17	−259.80	3.30	2.25	3.91	4.29	3.04	+18	−18	− 7	−15	− 1	−10	− 2	−54	+13	+19	0	0.92
*92444	18 50 21.25	−26 55 24.9	9.65	H	282.588 561 66	−26.923 578 33		57.87	−139.99	−22.95	1.87	1.14	1.92	2.38	1.68	+ 8	−30	+ 4	+11	−27	−12	−31	−45	+ 7	+ 7	4	−0.71
92445	18 50 21.69	+54 18 03.6	7.45	H	282.590 370 71	+54.301 008 10		3.03	7.37	−16.18	0.52	0.51	0.55	0.53	0.62	− 6	+ 6	− 5	+ 9	+ 4	− 9	+ 3	+26	−16	− 1	1	0.08
92446	18 50 22.12	+02 56 35.4	8.79	H	282.592 166 37	+02.943 169 92		2.94	17.43	−11.43	0.97	0.77	1.26	1.04	0.88	+14	−28	−27	−19	− 2	+30	+ 6	−21	+ 4	+11	0	−0.42
92447	18 50 22.35	+51 08 48.6	8.42	H	282.593 128 84	+51.146 827 27		1.56	−5.18	48.62	0.71	0.67	0.78	0.82	0.78	+ 5	−31	−13	+ 1	+ 5	−17	+ 3	+ 0	+ 0	+12	0	0.30
92448	18 50 23.27	−30 13 13.6	9.41	H	282.596 947 91	−30.220 436 96		7.79	0.57	−23.38	1.48	0.82	1.59	1.85	1.05	+ 9	−32	−21	+26	+ 7	− 8	−16	−31	+16	−32	0	1.08
92449	18 50 24.54	+24 06 24.1	6.85	1 H	282.602 234 94	+24.106 690 45		4.01	−10.99	10.92	0.39	0.52	0.80	0.44	0.62	−14	−14	− 8	+32	+26	−19	+17	− 8	+22	−30	0	−0.11
92450	18 50 25.67	+07 27 30.0	6.88	H	282.606 954 64	+07.458 342 83		4.62	−4.38	−43.79	0.71	0.54	0.87	0.77	0.61	+ 5	−25	−15	− 7	+16	+17	+13	−18	+27	+22	0	0.77
92451	18 50 26.53	−62 03 04.2	10.74	G	282.610 552 90	−62.051 178 96		59.94	90.39	59.71	1.58	1.51	2.17	2.30	2.11	−41	−19	+ 3	+ 9	− 7	−10	−11	+18	+19	−36	0	0.69
92452	18 50 27.73	+15 56 24.7	10.84	3 H	282.615 543 52	+15.940 203 98		−2.64	−1.66	−7.12	1.61	1.59	2.05	2.27	2.35	+ 7	− 1	− 1	− 6	+13	+23	+15	+ 2	− 9	+ 8	0	−0.63
92453	18 50 28.31	−11 00 22.7	9.05	G	282.617 965 68	−11.006 304 57		2.88	−2.20	−6.11	1.16	0.66	1.29	1.51	0.95	+12	−20	−12	+24	−15	+34	−15	−29	+ 2	+ 9	2	0.48
92454	18 50 30.40	−36 48 53.8	7.71	H	282.626 649 43	−36.814 936 59		0.24	−0.02	2.93	1.02	0.65	1.23	1.43	0.99	−10	+ 4	−24	−10	+27	−23	−52	+37	−19	2	1.22
92455	18 50 31.04	+42 54 43.5	7.31	H	282.629 318 77	+42.912 091 57		2.73	5.82	22.16	0.49	0.50	0.58	0.52	0.61	+ 4	−10	− 5	+13	+13	+ 3	+14	+ 1	+19	+15	0	0.62
92456	18 50 31.17	−13 34 20.1	6.48	G	282.629 888 11	−13.572 242 71		1.99	−5.41	−8.02	0.78	0.45	0.85	0.75	0.54	+ 4	−46	− 4	+ 9	+ 0	+14	+ 3	−24	−13	− 9	0	1.27
*92457	18 50 31.47	+50 53 45.6	9.03	H	282.631 142 32	+50.895 987 79		6.35	5.43	65.21	0.74	0.76	0.83	0.94	0.96	+ 5	−12	− 6	+ 1	+12	−19	+11	+ 2	− 4	+18	0	1.38
*92458	18 50 31.34	−72 54 14.2	8.60	H	282.630 596 83	−72.903 948 85		14.46	−7.14	−72.69	0.60	0.73	1.05	0.63	0.81	−14	−11	+ 7	+26	− 8	− 3	− 9	− 1	− 7	−18	0	0.37
92459	18 50 32.63	−48 22 45.2	8.04	H	282.635 962 13	−48.379 230 02		3.32	8.03	−17.64	0.90	0.61	1.09	1.11	0.85	+10	−34	−15	− 3	+10	+ 3	+ 2	−25	+25	+ 9	0	1.26
92460	18 50 33.38	+51 52 16.7	8.39	H	282.639 088 25	+51.871 310 07		2.42	1.34	15.37	0.66	0.65	0.71	0.76	0.80	− 6	−11	− 4	− 6	+10	+ 9	+10	+10	− 3	+ 5	0	1.01
92461	18 50 35.32	+61 58 53.5	8.22	H	282.647 148 00	+61.981 518 22		5.95	−2.15	−25.05	0.75	0.56	0.67	0.95	0.70	− 2	−16	+13	−26	+16	+18	+16	− 4	− 3	− 8	3	0.93
92462	18 50 36.28	−53 57 47.5	7.95	H	282.651 163 38	−53.963 208 02		6.85	18.38	−19.70	0.77	0.59	0.99	0.80	0.61	+ 9	−40	−17	+25	−29	+ 1	−29	+ 3	+17	+11	4	−0.74
92463	18 50 37.51	−26 46 13.5	7.22	G	282.656 303 02	−26.770 415 55		7.86	2.73	−28.18	0.92	0.54	0.96	1.34	0.83	−16	−16	+ 0	+11	− 3	−21	− 6	−42	+ 7	−21	0	2.43
92464	18 50 37.52	−58 42 37.0	8.99	H	282.656 328 11	−58.710 287 70		3.95	−0.16	7.23	1.00	0.95	1.31	1.22	1.07	+ 3	− 7	− 1	+16	−27	+ 3	−22	−28	−14	+ 6	0	−1.46
92465	18 50 38.53	−34 22 03.2	8.97	H	282.660 525 29	−34.367 549 46		3.60	−6.00	−27.61	1.30	0.75	1.35	1.91	1.08	−17	−32	− 2	− 4	+16	− 3	+ 1	−48	+ 2	−49	0	1.66
92466	18 50 38.88	−00 21 38.7	8.36	H	282.662 001 53	−00.360 741 29		0.84	23.18	14.16	1.01	0.74	1.10	1.05	0.86	+38	−17	− 2	−38	−13	− 7	−11	−41	+ 3	+42	0	−0.80
92467	18 50 39.80	+49 46 03.1	8.75	H	282.665 835 62	+49.767 540 36		12.83	47.10	−1.89	0.66	0.74	0.76	0.77	0.88	+18	−12	−13	−13	− 4	+ 6	− 4	−28	+22	+31	0	−0.30
92468 H	18 50 40.03	+39 20 24.6	7.28	H	282.666 799 60	+39.340 169 62	*	4.24	9.88	−1.18	0.50	0.54	0.61	0.53	0.61	− 2	− 2	− 3	+12	+16	− 5	+18	+ 4	+ 2	+ 5	0	−0.98
92469	18 50 40.12	−22 15 59.1	8.18	H	282.667 179 85	−22.266 406 24		−0.53	−0.05	−3.02	1.10	0.58	1.17	1.26	0.76	+ 0	−40	−10	+ 4	+ 8	+13	− 7	−41	+ 4	−33	0	−1.97
92470	18 50 41.38	−47 46 47.0	7.07	H	282.672 397 77	−47.779 732 84		−0.60	−1.39	−3.40	0.79	0.52	0.97	1.02	0.70	− 5	−36	−20	− 9	+21	+ 6	+ 5	−36	+26	−34	2	0.81
92471	18 50 41.82	−36 28 05.0	8.77	H	282.674 233 76	−36.468 061 87		3.93	1.15	5.31	1.23	0.78	1.53	1.82	1.28	+ 4	− 2	−30	+12	+21	−29	+ 5	−43	+47	−25	0	−0.65
92472	18 50 43.21	+43 57 26.6	7.05	H	282.680 027 87	+43.957 377 20		2.50	−15.36	21.52	0.49	0.48	0.55	0.60	0.55	− 3	+ 5	−14	+14	+13	− 3	+12	+17	+ 8	+ 4	0	1.01
92473	18 50 44.36	+52 50 56.6	9.02	H	282.684 852 08	+52.849 067 85		6.25	16.16	2.65	0.77	0.72	0.80	0.87	0.92	+ 1	− 9	− 1	+ 4	+ 2	− 3	+ 2	+20	−10	+12	0	0.74
92474	18 50 45.04	−40 24 20.6	8.08	H	282.687 672 65	−40.405 715 21		3.39	−11.04	12.75	1.02	0.65	1.22	1.18	0.76	+26	−45	−23	+ 2	+13	+ 0	− 4	−36	+16	− 8	0	−0.09
92475 H	18 50 45.55	+10 58 35.0	6.37	G	282.689 779 43	+10.976 376 90	A	1.75	7.51	6.35	1.14	0.88	1.12	1.09	0.88	+22	− 7	+ 5	−23	+ 6	+ 2	+ 4	−28	− 2	+ 4	1	0.56
92476	18 50 46.82	−34 18 18.3	7.36	H	282.695 071 75	−34.305 093 57		4.58	−5.08	−11.99	0.94	0.51	0.96	1.21	0.69	−19	−40	+ 5	+ 7	+ 2	+ 5	− 5	−35	− 5	−40	0	1.19
92477 H	18 50 47.18	+08 42 10.1	8.87	G	282.696 564 07	+08.702 804 99	A	0.47	−1.51	−1.24	1.62	1.27	1.82	1.64	1.39	+26	−36	− 9	−10	+18	+ 3	+ 4	−16	+27	+26	1	0.18
92478	18 50 49.77	+24 43 12.0	8.57	2 H	282.707 371 44	+24.719 995 90		2.01	2.31	−5.06	0.52	0.71	1.04	0.59	0.78	−12	−17	+ 0	+15	+19	− 8	+16	− 4	+13	−11	0	−0.31
*92479	18 50 50.68	+27 43 50.1	8.04	H	282.711 170 73	+27.730 572 98		4.14	−21.67	−12.06	0.55	0.63	0.82	0.71	0.76	+ 5	− 8	+ 1	+22	+16	− 1	+14	+16	+ 9	+ 5	0	−1.24
*92480	18 50 50.50	−22 09 43.6	6.29	H	282.710 423 11	−22.162 104 51		13.31	−17.10	−35.31	0.85	0.44	0.88	0.97	0.55	−13	−41	+ 4	+13	+ 6	+16	− 5	−31	− 7	−40	0	−1.40
92481	18 50 52.64	+35 41 50.0	8.93	H	282.719 336 71	+35.697 217 51		0.43	−1.02	2.03	0.65	0.78	0.89	0.71	0.99	+ 4	−14	+ 3	+12	+ 6	+ 1	+ 6	+12	+ 7	+ 5	0	−0.04
92482	18 50 53.14	−52 17 59.9	7.70	H	282.721 412 86	−52.299 961 32		2.25	−4.23	−34.96	0.81	0.65	1.03	1.01	0.72	+19	−13	+ 7	+14	−33	−18	−24	−18	−11	+32	0	0.79
92483	18 50 55.54	+70 19 47.5	8.81	1 G	282.731 425 52	+70.329 860 26		5.78	6.72	39.96	0.68	0.60	0.66	0.71	0.68	+ 6	−22	+ 9	−49	−13	− 1	−13	−18	+ 7	+ 3	0	0.40
92484	18 50 56.44	−49 35 11.4	9.44	H	282.735 150 45	−49.586 511 38		5.75	−31.20	−116.32	1.41	1.09	1.58	1.84	1.34	+19	−28	− 2	−15	−16	−12	−15	−36	− 4	+14	0	0.55
92485	18 50 57.94	−30 57 41.0	7.99	H	282.741 436 99	−30.961 390 87		4.43	1.13	−6.08	1.04	0.59	1.06	1.36	0.78	− 5	−15	+ 7	+22	− 2	− 3	−14	−37	−12	−31	0	−0.75
92486	18 50 58.47	+10 18 09.1	10.33	G	282.743 624 31	+10.302 525 60		1.00	1.68	−3.25	1.49	1.12	1.70	1.57	1.30	+26	−31	−22	− 7	+ 2	− 7	− 9	−24	+21	− 5	0	0.45
*92487	18 50 58.65	−41 03 45.6	6.50	H	282.744 363 44	−41.062 678 08	A	1.84	4.85	−3.69	1.66	1.08	1.45	1.81	1.16	+25	−20	−19	−13	+ 9	−22	+ 4	−47	+10	+17	4	0.31
*92488	18 50 58.51	−09 46 26.8	5.82	H	282.743 771 04	−09.774 101 71		2.16	6.33	2.54	0.75	0.45	0.82	0.69	0.56	+13	−51	−21	−10	+ 5	+12	+ 5	−35	+12	+14	0	0.52
92489	18 50 59.34	+69 52 57.3	9.82	2 H	282.747 245 36	+69.882 570 10		1.78	8.16	27.49	0.93	0.89	0.98	1.00	1.01	+ 3	−25	+ 3	−32	− 6	+ 5	− 9	− 3	+ 9	+ 6	0	1.12
92490	18 50 59.54	−41 03 44.7	9.27	G	282.748 074 13	−41.062 417 83	B	−0.61	−14.95	−12.28	25.55	17.56	9.73	18.36	12.21	+20	−16	−16	− 4	+15	−31	+ 8	+41	+10	+ 8	4	0.31
92491	18 50 59.87	−20 17 42.8	6.84	3 H	282.749 469 69	−20.295 218 12		0.61	−0.58	−4.93	0.93	0.54	0.99	1.10	0.68	−23	− 9	−29	−26	+28	+ 2	+23	−57	+26	−35	0	0.90
92492	18 51 00.02	−17 46 53.1	9.98	H	282.750 086 51	−17.781 419 64	B	10.54	−0.79	10.22	8.96	4.69	5.08	6.70	4.41	+13	− 3	−11	+ 4	− 2	− 8	−15	−50	+ 2	− 8	1	−0.22
92493	18 51 00.81	−17 47 20.5	8.46	H	282.753 362 63	−17.789 032 63	A	3.52	4.91	−0.40	2.05	1.30	1.75	2.02	1.36	+ 0	−10	−13	+ 7	− 4	− 6	−12	−34	+12	−16	1	−0.22
92494	18 51 00.94	+00 14 46.8	8.85	H	282.753 906 28	+00.246 331 02		4.11	1.61	−2.21	1.05	0.79	1.12	1.04	0.87	+46	−16	− 8	−35	−20	+ 1	−18	−43	− 5	+42	0	1.32
*92495	18 51 01.24	−38 05 08.2	9.44	H	282.755 173 41	−38.085 619 33		4.49	31.08	−75.73	1.33	0.90	1.51	1.64	1.20	+25	−39	+ 3	−33	−18	+ 1	−12	−66	− 6	+33	0	1.25
*92496	18 51 01.22	+34 23 38.0	7.15	H	282.755 090 92	+34.393 898 83		5.87	15.61	2.48	0.47	0.50	0.64	0.63	0.66	− 6	+ 3	−14	− 3	+12	−29	+13	+31	− 9	−18	0	0.26
92497 H	18 51 01.30	+15 01 11.5	9.09	G	282.755 398 11	+15.019 860 52	*	3.65	7.79	−0.11	1.11	0.93	1.36

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
92401	8.282	0.010	8.070	0.011		0.202	0.014	T	0.22	0.02	L	8.1151	0.0017	0.013	80		8.10	8.14		C			1							S
92402	10.866	0.057	8.863	0.019		1.660	0.048	T	1.68	0.05	L	8.8239	0.0032	0.020	72		8.78	8.86		U			1							
92403						1.510	0.510	G	2.33	0.64	K	10.4124	0.0044	0.027	65		10.38	10.45					1							G
92404	9.679	0.019	7.895	0.009		1.486	0.017	T	1.51	0.03	L	7.8670	0.0011	0.012	123		7.84	7.89					1							S
92405	5.354	0.002	5.243	0.002		0.100	0.003	T	0.11	0.00	L	5.2648	0.0005	0.004	129		5.26	5.27		C	18499+3233	I 1	1							S
92406	10.335	0.024	8.896	0.012		1.214	0.021	T	1.17	0.02	L	8.9351	0.0022	0.025	180		8.89	8.98					1							
92407	10.431	0.039	8.757	0.017		1.399	0.034	T	1.38	0.04	L	8.7440	0.0023	0.018	90		8.71	8.78					1							
92408	8.646	0.011	8.112	0.010		0.524	0.015	G	0.60	0.02	H	8.1648	0.0010	0.009	102		8.15	8.18					1							S
92409	9.072	0.014	8.963	0.018		0.106	0.021	T	0.12	0.02	L	8.9719	0.0025	0.020	75		8.93	9.00					1							
92410	7.236	0.004	7.121	0.004	A	0.200	0.495	G	0.09	0.01	L *	7.1312	0.0008	0.009	174	*	7.12	7.15			18499+2626	I 1	2 C C	AB	4	4.791	0.035	4.05	0.17	S
92411	9.274	0.011	7.830	0.006		1.218	0.010	T	1.18	0.01	L	7.8807	0.0010	0.013	202		7.86	7.91		C			1							S
92412	7.381	0.007	7.139	0.007	*	0.231	0.009	T	0.26	0.01	L *	7.1663	0.0029	0.023	102	*	7.13	7.20		U 2	18500−5207	H 1	2 C A	AB	172	0.677	0.018	3.60	0.14	S
92413	10.946	0.052	9.572	0.027		1.163	0.046	T	1.12	0.04	L	9.6350	0.0027	0.026	81		9.59	9.67		C			1							
92414	10.116	0.025	9.712	0.027	A	0.500	0.510	G	0.70	0.07	B *	9.4774	0.0036	0.041	125	*	9.42	10.65		R 1 A	18500+2043	I 1	2 C A	AB	189	4.623	0.010	1.43	0.05	G
92415	8.793	0.013	8.329	0.012		0.456	0.015	G	0.53	0.02	H	8.3659	0.0023	0.016	85		8.34	8.39			18500−3921	I 1	1 G							
92416	11.843	0.117	9.677	0.027		1.790	0.096	T	1.82	0.10	L	9.6013	0.0028	0.021	85		9.55	9.63		C			1 S							G
92417						1.446	0.013	G	1.93	0.01	A	10.8356	0.0036	0.041	90		10.78	10.89					1							G
92418	8.230	0.011	7.593	0.010		0.621	0.015	G	0.69	0.01	H	7.6476	0.0015	0.010	76		7.63	7.67		C			1 S							S
92419	7.589	0.006	7.624	0.007		−0.027	0.008	T	−0.01	0.01	L	7.6155	0.0012	0.011	150		7.60	7.64		C	18501+2949	I 1	1							S
92420	3.519	0.032	3.517	0.028		0.003	0.037	T	0.02	0.03	L	3.5618	0.0310	0.393	136		3.37	4.30	12.94	P 1 A	18501+3322	I 1	1 S							S P
92421	9.996	0.028	9.430	0.027		0.534	0.029	T	0.61	0.03	L	9.4883	0.0026	0.022	90		9.45	9.53		C			1							
92422	11.253	0.089	8.995	0.023		1.470	0.020	G	1.48	0.03	I	8.8176	0.0023	0.019	69		8.79	8.84		C			1							
92423	11.280	0.089	8.984	0.022	*	1.910	0.015	G	1.93	0.09	H *	8.6734	0.0064	0.066	85	*	8.59	8.78		U 2	18501−0823	H 1	2 C S D	AB	315	0.132	0.006	1.17	0.54	D
92424											T	11.5179	0.0064	0.075	81		11.27	11.59					1 S							G
92425	9.437	0.019	7.729	0.009		1.426	0.017	T	1.41	0.03	L	7.6953	0.0016	0.013	81		7.67	7.71		C			1							
92426	8.918	0.014	7.098	0.007		1.510	0.015	G	1.59	0.05	F	7.0459	0.0009	0.009	79		7.03	7.06		C			1							S
92427	8.660	0.012	8.146	0.012		0.475	0.015	G	0.55	0.02	H	8.2133	0.0012	0.009	77		8.20	8.23					1							S
92428	10.087	0.027	8.743	0.016		1.140	0.025	T	1.10	0.03	L	8.8057	0.0018	0.015	74		8.78	8.83		C			1							
92429	8.800	0.013	7.358	0.007		1.216	0.012	T	1.18	0.01	L	7.3628	0.0015	0.010	75		7.35	7.38		C			1							S
92430	9.263	0.017	8.754	0.017		0.489	0.018	T	0.56	0.02	L	8.8441	0.0019	0.014	75		8.82	8.86		C			1							
92431	8.171	0.010	7.897	0.009		0.285	0.006	G	0.32	0.01	H	7.9474	0.0019	0.014	107		7.92	7.98					1							S
92432	9.399	0.019	7.978	0.011		1.200	0.017	T	1.16	0.02	L	8.0159	0.0014	0.012	94		8.00	8.04		C			1							S
92433	10.505	0.045	9.673	0.035		0.733	0.044	T	0.78	0.03	L	9.8020	0.0030	0.024	62		9.77	9.84		C			1							
92434	7.830	0.016	7.296	0.011	A	0.700	0.495	G	0.59	0.06	L *	7.2282	0.0011	0.007	75	*	7.22	7.24		D	18502+1131	I 1	2 C A	AB	229	1.383	0.008	1.85	0.03	S
92435	9.280	0.012	8.055	0.008		1.047	0.011	T	1.02	0.01	L	8.0975	0.0013	0.018	169		8.07	8.13					1							S
92436	8.280	0.011	6.824	0.005		1.227	0.009	T	1.19	0.01	L	6.8549	0.0009	0.008	114		6.84	6.87		C			1							S
92437											T	11.7770	0.0617			B				D	18503−4509	I 2	1 C I A							
92438	10.201	0.031	9.283	0.023		0.813	0.029	T	0.84	0.02	L	9.3435	0.0029	0.022	74		9.31	9.38		C			1							
92439	10.229	0.027	8.326	0.011		0.137	0.140	G	1.88	0.09	S	8.3241	0.0054	0.048	142		8.25	8.38		R			1 S							
92440	10.127	0.027	8.963	0.018		0.999	0.025	T	0.98	0.02	L	9.0143	0.0018	0.020	97		8.99	9.05					1							
92441	10.289	0.038	9.964	0.044	A	0.330	0.020	G	0.38	0.03	H	9.9967	0.0136	0.050	70	A	9.93	10.11		D	18503−4509	I 2	1 C P A							G
92442	10.995	0.083	7.153	0.008		2.995	0.061	T	3.07	0.06	L	6.7078	0.0240	0.145	84		6.54	6.87		U 2 B	18503−0755	I 1	1 S							
92443											T	11.9881	0.0078	0.079	90		11.68	12.11					1 S							G
92444	11.675	0.158	9.925	0.050		1.459	0.131	T	1.47	0.21	L	9.7814	0.0043	0.031	64		9.74	9.84					1							G
92445	7.271	0.007	7.422	0.007		−0.132	0.009	T	−0.12	0.01	L	7.4103	0.0014	0.010	100		7.39	7.43					1							S
92446	9.482	0.016	8.851	0.015		0.587	0.019	T	0.66	0.02	L	8.9187	0.0024	0.019	95		8.89	8.95					1							
92447	9.950	0.027	8.569	0.015		1.169	0.024	T	1.13	0.02	L	8.5902	0.0015	0.013	107		8.57	8.62		C			1							
92448	10.153	0.032	9.513	0.030		0.594	0.038	T	0.66	0.04	L	9.5404	0.0033	0.027	76		9.48	9.59					1							
92449	9.117	0.010	7.060	0.004		1.703	0.009	T	1.73	0.01	L	6.9484	0.0013	0.017	233		6.92	6.97		U 2			1							S
92450	8.631	0.012	7.034	0.007		1.320	0.015	G	1.28	0.02	H	7.0361	0.0014	0.010	80		7.02	7.06		C			1							S
92451						1.480	0.015	G	2.02	0.02	A	10.7727	0.0039	0.043	110		10.71	10.85			18504−6203	I 1	1							G
92452	11.406	0.098	10.997	0.113		0.387	0.138	T	0.45	0.15	L	10.9217	0.0465	0.332	75		10.52	11.28	10.41	P 1 A			1							G
92453	9.337	0.021	9.119	0.025		0.269	0.020	G	0.30	0.03	H	9.1294	0.0024	0.022	75		9.08	9.16					1							
92454	8.699	0.014	7.800	0.011		0.799	0.013	T	0.83	0.01	L	7.8591	0.0014	0.011	84		7.84	7.88		C			1							
92455	8.930	0.013	7.437	0.008		1.256	0.012	T	1.21	0.01	L	7.4716	0.0010	0.009	117		7.46	7.49		C			1							S
92456	8.633	0.013	6.627	0.006		1.662	0.011	T	1.67	0.02	A	6.5682	0.0009	0.009	81		6.55	6.58		C			1							S
92457	9.618	0.026	9.093	0.025		0.493	0.032	T	0.57	0.03	L	9.1368	0.0020	0.018	109		9.11	9.17		C			1							
92458	9.295	0.012	8.668	0.010		0.579	0.012	T	0.65	0.01	L	8.7249	0.0018	0.022	192		8.69	8.77					1							
92459	9.328	0.018	8.157	0.012		1.004	0.017	T	0.98	0.01	L	8.2080	0.0020	0.015	70		8.18	8.24					1							
92460	9.692	0.019	8.530	0.013		0.997	0.018	T	0.98	0.01	L	8.5576	0.0011	0.016	107		8.54	8.58		C			1							
92461	8.438	0.009	8.244	0.010		0.186	0.013	T	0.20	0.01	L	8.2838	0.0018	0.015	102		8.26	8.31		C			1 G							S
92462	8.376	0.011	7.998	0.011		0.358	0.014	T	0.42	0.01	L	8.0366	0.0009	0.012	103		8.02	8.05		C			1							S
92463	7.479	0.009	7.251	0.009		0.185	0.001	G	0.20	0.00	H	7.2838	0.0011	0.008	65		7.27	7.29			18506−2646	I 1	1							S
92464	9.536	0.022	9.085	0.022		0.439	0.025	T	0.51	0.03	L	9.0929	0.0022	0.016	66		9.07	9.12		C			1							
92465	10.672	0.046	9.180	0.022		1.256	0.040	T	1.21	0.04	L	9.1338	0.0030	0.020	70		9.10	9.15					1 S							
92466	10.791	0.043	8.619	0.014		1.795	0.036	T	1.82	0.04	L	8.4601	0.0028	0.018	94		8.43	8.48					1 S							
92467	9.306	0.016	8.790	0.015		0.485	0.020	T	0.56	0.02	L	8.8575	0.0017	0.015	109		8.83	8.88					1							
92468	8.143	0.009	7.382	0.008	*	0.708	0.015	G	0.76	0.01	H *	7.4251	0.0013	0.010	118	*	7.41	7.44			18507+3920	H 1	2 C S A	AB	24	0.108	0.007	0.22	0.65	S
92469	10.149	0.033	8.339	0.015		1.507	0.029	T	1.54	0.04	L	8.3057	0.0012	0.009	70		8.29	8.33					1							
92470	6.873	0.006	7.037	0.005		−0.142	0.003	G	−0.14	0.00	H	7.0201	0.0011	0.009	68		7.01	7.03		C			1							S
92471	10.053	0.032	8.877	0.021		1.008	0.030	T	0.98	0.02	L	8.9415	0.0024	0.016	64		8.92	8.97		C			1							
92472	8.791	0.012	7.199	0.007		1.334	0.011	T	1.22	0.03	D	7.2091	0.0009	0.010	117		7.19	7.23		C			1							S
92473	9.560	0.020	9.049	0.019		0.480	0.025	T	0.55	0.03	L	9.1300	0.0021	0.017	97		9.10	9.16		C			1							
92474	9.465	0.019	8.215	0.012		1.066	0.018	T	1.03	0.01	L	8.2448	0.0019	0.014	86		8.22	8.27		C			1							
92475	8.163	0.025	6.466	0.013	*	1.443	0.002	G	1.45	0.09	H *	6.5135	0.0010	0.010	77	*	6.50	6.53		D	18508+1059	I 1	2 C A	AB	181	3.564	0.004	1.07	0.01	S
92476	7.365	0.007	7.353	0.009		0.011	0.001	G	0.03	0.00	H	7.3672	0.0015	0.009	72		7.35	7.38		C			1							S
92477	9.479	0.019	8.941	0.019	A	0.610	0.096	G	0.68	0.09	H *	8.9494	0.0033	0.019	67	*	8.91	8.98			18508+0842	I 1	2 C B	AB	41	4.296	0.041	3.36	0.17	
92478	8.602	0.007	8.607	0.009		0.000	0.010	T	0.02	0.01	L	8.5777	0.0030	0.055	212		8.54	9.00	1.64	P 1 A			1							
92479	9.402	0.013	8.164	0.008		1.057	0.012	T	1.02	0.01	L	8.2049	0.0018	0.018	162		8.18	8.23					1							
92480	6.735	0.005	6.326	0.005		0.390	0.009	G	0.46	0.01	H	6.3764	0.0009	0.006	68		6.37	6.40		C	18509−2210	I 1	1							S
92481	9.068	0.013	8.953	0.015		0.111	0.019	T	0.12	0.02	L	8.9722	0.0019	0.015	125		8.95	9.00		C			1							
92482	8.999	0.014	7.817	0.009		1.013	0.013	T	0.99	0.01	L	7.8713	0.0016	0.012	87		7.85	7.89		C			1							S
92483	9.230	0.015	8.842	0.015		0.378	0.006	G	0.44	0.01	H	8.8961	0.0026	0.022	118		8.86	8.93		U			1							
92484	10.198	0.036	9.473	0.030		0.651	0.035	T	0.71	0.03	L	9.5739	0.0034	0.023	63		9.53	9.62		C			1							
92485	8.090	0.012	7.993	0.014		0.087	0.017	T	0.10	0.02	L	8.0250	0.0019	0.014	69		8.00	8.05					1							S
92486	10.596	0.060	10.491	0.078		0.170	0.015	G	0.19	0.01	H	10.3569	0.0037	0.028	74		10.31	10.40		C			1							D
92487	6.384	0.007	6.472	0.007	A	−0.075	0.009	T	−0.05	0.01	L	6.4839	0.0043	0.010	80	A	6.47	6.52		D	18510−4104	I 2	1 C P A							S
92488	6.540	0.005	5.901	0.004		0.594	0.006	T	0.66	0.01	L	5.9461	0.0008	0.006	84		5.93	5.96		C			1							S
92489	10.450	0.037	9.888	0.035		0.526	0.045	T	0.60	0.05	L	9.9327	0.0025	0.023	101		9.90	10.29		P 1 A			1							P
92490	9.144	0.024	9.153	0.033	B	−0.019	0.009	G	0.00	0.01	H	9.3520	0.0568			B				D	18510−4104	I 2	1 C I A							
92491	8.094	0.051	7.019	0.029		0.854	0.020	G	0.99	0.01	A	7.0093	0.0257	0.245	79		6.83	7.42	6.64	P 1 A			1							S
92492	10.553	0.053	10.005	0.055	B	0.513	0.068	T	0.59	0.07	L	10.0963	0.0154			B				D	18510−1747	I 2	1 C I D							D
92493	8.610	0.012	8.461	0.014	A	0.135	0.017	T	0.15	0.02	L	8.5146	0.0052	0.014	84	A	8.49	8.54		D	18510−1747	I 2	1 C P D							D
92494	8.951	0.012	8.856	0.014		0.093	0.017	T	0.11	0.02	L	8.8889	0.0015	0.015	99		8.86	8.92					1							
92495	10.048	0.024	9.483	0.023		0.533	0.025	T	0.61	0.03	L	9.5516	0.0020	0.020	103		9.52	9.59		C			1							
92496	7.394	0.005	7.174	0.007		0.210	0.008	T	0.23	0.01	L	7.2113	0.0010	0.009	127		7.19	7.23		C			1							S
92497	9.569	0.019	9.117	0.020	*	0.390	0.020	G	0.46	0.02	H *	9.1856	0.0020	0.018	72	*	9.15	9.22		D	18510+1501	H 1	2 C S B	AB	330	0.144	0.031	0.73	1.06	
92498	10.515	0.045	8.590	0.017		1.661	0.007	G	1.67	0.09	H	8.4489	0.0010	0.012	79		8.43	8.47		D			1							
92499	10.656	0.031	10.088	0.029		0.488	0.004	G	0.56	0.00	H	10.1873	0.0027	0.033	163		10.13	10.24					1 S							G G
92500	9.518	0.016	9.182	0.018		0.319	0.023	T	0.37	0.03	L	9.2184	0.0018	0.020	142		9.17	9.26		C			1							

Number HIP	Descriptor: epoch J1991.25 RA h m s	Dec ±° ′ ″	V mag		Position: epoch J1991.25 α (ICRS) deg	δ deg		Par. π mas	Proper Motion $\mu_{\alpha*}$ mas/yr	μ_δ	Standard Errors α* mas	δ	π mas	$\mu_{\alpha*}$ mas/yr	μ_δ	Astrometric Correlations (%)										Soln F1 %	F2
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
92501	18 51 05.44	−03 15 39.6	6.89	H	282.772 663 53	−03.260 995 82		7.73	−47.87	−59.25	0.71	0.49	0.80	0.75	0.53	−21	−8	−20	−39	+27	−16	+21	−48	+11	−49	0	0.85
92502	18 51 05.97	−37 14 52.1	7.55	H	282.774 882 90	−37.247 806 26		1.34	1.40	3.00	1.06	0.72	1.27	1.58	1.10	−11	+7	−19	−31	+20	−31	+21	−65	+29	−9	0	0.10
92503	18 51 06.10	−23 03 05.3	9.01	H	282.775 397 35	−23.051 461 31		4.33	5.93	−21.15	1.34	0.70	1.48	1.55	1.04	+5	−46	−7	+5	+6	+18	−2	−30	+20	+7	0	−0.17
92504	18 51 06.28	−32 52 45.6	9.12	H	282.776 148 47	−32.879 324 91		9.82	31.67	−3.91	1.33	0.82	1.41	1.55	0.95	+19	−31	+0	+2	−21	−10	−30	−51	−2	−6	0	0.21
92505	18 51 06.38	−20 18 00.3	7.50	2 G	282.776 563 09	−20.300 088 63		1.47	−5.73	−4.58	1.00	0.61	1.05	1.17	0.74	−34	+6	−35	−24	+28	−2	+30	−54	+30	−37	0	0.40
92506	18 51 07.52	+38 58 35.1	8.79	H	282.781 330 43	+38.976 425 36		1.37	−4.19	−21.99	0.70	0.72	0.86	0.80	0.82	−7	−8	−5	+14	+11	−19	+11	+3	+0	−1	1	−0.26
92507 H	18 51 07.98	−06 16 45.0	8.47	2 H	282.783 236 82	−06.279 168 26	A	−7.79	4.51	−5.80	2.30	1.79	2.20	2.37	1.80	+29	−13	−37	+9	+2	−14	−18	−41	+21	+8	1	3.26
92508	18 51 08.73	−39 10 29.6	6.98	H	282.786 393 43	−39.174 887 77		4.50	13.16	7.22	0.76	0.48	0.88	0.92	0.60	−3	−32	−9	−8	+22	+3	+13	−42	+12	−19	2	0.23
92509	18 51 09.68	−83 33 46.9	7.66	H	282.790 353 28	−83.563 035 43		5.46	−2.37	0.83	0.55	0.59	0.70	0.63	0.77	−18	−18	+20	+24	−2	−1	+1	+9	−10	−14	0	−0.37
92510	18 51 09.75	−07 47 55.7	8.67	2 H	282.790 612 01	−07.798 815 73		1.12	0.53	−1.68	1.02	0.64	1.15	1.16	0.86	+6	−29	+0	+4	−5	+10	−12	−40	+2	−7	0	0.79
92511	18 51 11.49	−26 01 06.8	8.81	H	282.797 871 43	−26.018 556 15		0.94	0.17	−4.58	1.50	0.99	1.44	1.78	1.15	+10	−45	−18	−13	−5	−0	−13	−51	+15	−11	6	3.63
*92512	18 51 12.01	+59 23 17.8	4.63	1 H	282.800 027 55	+59.388 288 95	+	10.12	77.56	25.43	0.45	0.40	0.43	0.46	0.55	−6	−5	+1	+18	+6	+2	+8	+1	+14	+13	1	0.39
*92513 H	18 51 11.99	+46 44 17.5	7.71	2 H	282.799 970 15	+46.738 196 93	*	3.24	0.02	1.28	0.65	0.58	0.70	0.86	0.88	−3	+12	−1	−17	+5	−20	+5	+7	−2	−3	0	0.93
92514	18 51 12.84	+52 18 20.1	9.25	G	282.803 509 94	+52.305 578 16		2.08	0.50	5.74	0.76	0.71	0.79	0.81	0.90	−8	−9	−12	−1	−1	+10	−1	+26	−9	−2	3	0.73
92515	18 51 15.81	−16 09 41.8	8.34	G	282.815 868 01	−16.161 601 19		8.45	−8.46	−82.16	0.94	0.58	1.03	1.09	0.85	+4	−21	−1	+10	+0	+22	+14	−30	+9	+36	0	1.94
92516	18 51 15.88	+18 40 21.7	8.75	H	282.816 177 60	+18.672 690 17		1.36	−0.27	−11.68	0.72	0.81	1.37	0.95	1.10	+15	−20	−27	+4	−41	+35	−40	−31	+40	+21	1	−0.12
92517	18 51 16.88	−06 21 11.0	9.36	2 H	282.820 338 20	−06.353 062 32		1.86	−4.40	−11.20	1.30	0.98	1.48	1.58	1.24	−10	−1	+24	−6	−3	−10	+6	−39	−22	+11	0	0.76
92518	18 51 17.36	−72 11 13.0	8.99	H	282.822 323 36	−72.186 951 67		1.04	−3.83	−8.71	0.63	0.86	1.16	0.72	1.03	−6	−12	−1	+23	−4	−16	−6	−6	+4	−12	2	−0.96
92519	18 51 19.74	−44 28 31.6	7.55	H	282.832 232 56	−44.475 453 57		19.77	−15.17	−99.19	0.82	0.59	0.95	1.06	0.71	+28	−13	−9	−2	−1	−11	−7	−47	+0	+19	0	0.33
92520	18 51 19.85	+66 54 11.2	8.68	H	282.832 687 80	+66.903 119 95		9.72	−68.66	21.12	0.63	0.62	0.69	0.46	0.72	−9	−27	+15	−64	+12	+17	+8	+2	−9	+6	1	1.07
92521	18 51 19.88	−17 09 15.4	6.87	H	282.832 842 31	−17.154 283 46		0.15	2.22	0.24	0.84	0.49	0.87	0.86	0.58	−14	−38	−5	−6	+6	+1	+4	−42	−3	−23	0	−0.40
92522	18 51 20.86	+28 16 18.3	10.85	H	282.836 903 61	+28.271 748 47		−1.59	11.45	−4.58	0.97	1.20	1.59	1.16	1.39	+4	−6	+7	+16	+9	−1	+7	+18	+17	+4	1	−0.23
92523	18 51 22.08	+62 39 15.9	8.42	2 H	282.842 000 07	+62.654 415 43		2.51	2.05	7.67	0.76	0.63	0.70	0.91	0.65	−2	−16	+17	+7	+24	−6	+23	−11	+0	+12	3	−0.62
92524	18 51 22.16	−03 19 04.1	6.08	H	282.842 321 75	−03.317 804 80		11.80	0.60	−21.29	0.67	0.47	0.78	0.69	0.50	−21	−21	−26	−37	+30	−14	+21	−49	+17	−52	0	0.98
92525	18 51 22.88	−41 31 40.5	7.55	H	282.845 329 24	−41.527 921 56		3.07	16.13	−51.06	0.98	0.62	1.06	1.21	0.79	−9	−29	−5	−13	+34	+8	+32	−36	+2	−12	0	1.81
92526 H	18 51 23.00	+65 13 39.4	9.00	H	282.845 826 80	+65.227 598 41	A	1.18	−3.18	4.34	1.50	1.55	1.41	1.28	1.51	+5	−19	+7	+15	+0	−9	+9	+19	−19	+5	1	1.05
92527	18 51 23.46	−30 07 05.5	8.10	G	282.847 731 38	−30.118 184 30		4.52	8.98	−22.48	1.41	0.79	1.34	1.56	0.99	−25	−40	−3	−3	+9	−1	+2	−50	+21	−15	0	−0.26
92528	18 51 23.52	+17 20 41.6	8.83	H	282.848 014 91	+17.344 886 63		2.26	2.19	0.70	0.83	0.91	1.28	0.85	0.91	+43	−38	−21	+22	−20	−1	−24	−16	+14	+34	0	−0.58
92529 H	18 51 23.67	−14 41 01.9	8.16	H	282.848 645 16	−14.683 863 18	A	2.49	−5.32	−10.00	1.31	0.85	1.35	1.53	1.17	+13	−9	+20	+17	+12	+35	+18	−24	−1	+39	0	−0.27
92530	18 51 23.92	−51 31 12.5	7.42	G	282.849 663 16	−51.520 151 34		2.65	2.88	−26.18	0.77	0.61	0.90	1.01	0.67	−3	−15	−12	−7	+2	−9	−2	−30	+5	−19	0	−1.79
92531	18 51 24.17	−50 25 12.5	10.02	H	282.850 714 10	−50.420 147 49		2.77	−8.10	9.08	1.58	1.23	1.80	2.05	1.39	+24	−23	−21	−15	−11	−9	−18	−45	+11	+3	4	−0.45
92532	18 51 24.94	+38 37 35.3	7.15	H	282.853 906 81	+38.626 464 10		33.31	323.53	44.09	0.53	0.49	0.61	0.69	0.60	−2	−3	−14	+25	+11	−20	+8	+8	+6	+0	0	−1.32
92533	18 51 25.04	+03 51 04.2	8.94	G	282.854 349 25	+03.851 158 66		1.96	1.56	−4.09	1.20	0.87	1.32	1.34	1.11	−6	+2	−22	−34	+23	−9	+25	−22	+0	+2	0	0.20
92534	18 51 25.50	−39 51 14.2	8.69	H	282.856 240 12	−39.853 938 20		4.84	6.56	−6.48	1.12	0.80	1.40	1.55	0.99	−1	−17	−34	−14	+34	−27	+15	−53	+26	−33	0	1.67
92535	18 51 26.40	−27 09 51.0	7.21	H	282.860 018 41	−27.164 165 64		4.69	−0.87	−26.69	0.97	0.52	0.98	1.22	0.71	−3	−22	+3	+31	−12	+4	−22	−31	+3	−18	0	1.20
92536	18 51 26.77	+03 51 26.3	9.90	G																							
92537	18 51 26.83	+39 19 14.0	7.28	1 H	282.861 795 13	+39.320 565 80		3.91	5.07	8.76	0.47	0.47	0.55	0.52	0.58	+1	−3	−5	+15	+10	−2	+11	+12	+3	+3	0	0.80
92538	18 51 26.88	+51 03 54.9	7.80	H	282.862 018 25	+51.065 252 48		1.41	−4.77	11.22	0.61	0.64	0.71	0.75	0.77	−1	−21	+5	+2	+8	−21	+10	−3	+5	+18	0	2.17
92539	18 51 27.74	+40 24 09.3	8.76	H	282.865 587 99	+40.402 591 09		3.22	−3.39	−2.04	0.60	0.71	0.77	0.65	0.89	+10	−5	−6	+11	+4	−5	+4	+24	+3	+11	0	0.09
92540	18 51 29.43	−34 57 13.8	8.49	H	282.872 637 89	−34.953 821 52		6.63	6.75	18.33	1.22	0.76	1.25	2.16	1.25	−34	−23	−22	−25	+48	−18	+26	−62	+24	−71	0	0.32
92541	18 51 29.54	+45 08 01.4	7.23	H	282.873 096 37	+45.133 718 53		2.68	−0.27	−0.50	0.51	0.49	0.56	0.54	0.60	−3	−12	+1	−1	+11	−2	+11	+25	−13	+8	0	−0.49
92542	18 51 29.66	+01 24 29.6	8.83	H	282.873 588 77	+01.408 231 20		6.70	18.72	−8.44	1.15	0.92	1.29	1.13	1.06	+43	+1	+15	−52	−28	−4	−27	−56	−26	+27	0	−0.37
92543	18 51 30.07	−45 51 19.4	8.58	G	282.875 278 62	−45.855 401 05		4.86	2.56	−31.00	0.99	0.70	1.13	1.26	0.82	+15	−19	−14	−4	+9	−8	+6	−37	−2	+8	0	0.46
92544	18 51 31.29	−38 51 01.8	8.32	G	282.880 381 97	−38.850 495 11		8.68	1.28	−5.38	0.91	0.55	1.04	1.03	0.68	+0	−38	+1	−8	+18	+6	+14	−42	+2	−6	0	0.91
92545	18 51 31.61	−62 38 49.1	7.61	H	282.881 706 23	−62.646 985 05		7.45	1.56	−42.37	0.70	0.61	0.90	0.96	0.70	−28	−26	−4	+13	+3	−20	+2	−7	+3	−23	0	−1.33
92546	18 51 33.36	−01 33 10.7	8.92	H	282.888 989 75	−01.552 981 03		14.74	−67.81	99.88	0.90	0.65	1.11	0.96	0.76	+21	−24	−16	−23	+9	+9	+10	−34	−2	+1	0	1.75
92547 H	18 51 34.80	−60 53 44.5	7.45	G	282.895 005 95	−60.895 707 44	*	5.03	31.33	−33.50	0.66	0.62	1.00	0.86	0.87	−12	−21	−1	+34	−3	+3	−5	+23	+27	+25	0	0.36
92548	18 51 34.91	+10 15 01.6	10.60	G	282.895 458 66	+10.250 447 26		2.37	3.80	−2.74	1.54	1.23	1.88	1.73	1.46	+16	−28	−20	−1	+12	+0	+2	−17	+26	−2	0	−0.74
92549	18 51 35.00	+52 58 28.3	5.51	H	282.895 839 32	+52.974 520 91		38.32	−65.14	245.24	0.49	0.46	0.51	0.51	0.57	−4	−9	−1	−11	+2	−4	+0	+20	−17	+7	0	1.35
92550	18 51 35.89	+28 47 01.2	6.22	H	282.899 544 54	+28.783 659 26		2.04	0.93	4.73	0.42	0.49	0.68	0.53	0.60	+3	−4	+19	+10	+1	−15	+3	+17	+19	−6	0	−0.10
92551	18 51 36.52	+36 32 20.8	6.10	1 H	282.902 170 60	+36.539 098 69		2.91	−5.19	−2.84	0.43	0.51	0.57	0.52	0.72	−8	+2	+0	−17	+9	−14	+6	−36	−15	−10	0	0.75
92552	18 51 37.38	−35 22 59.9	7.93	H	282.905 757 81	−35.383 312 38		3.57	−21.38	−37.61	1.11	0.70	1.15	2.28	1.37	−30	−15	−21	−11	+41	−19	+16	−55	+27	−72	0	1.71
92553	18 51 37.93	−01 02 39.8	8.22	H	282.908 051 49	−01.044 393 01		2.87	−1.39	−13.42	0.81	0.57	0.96	0.81	0.64	+15	−20	−9	−35	+2	+3	+1	−43	+8	+7	0	1.28
92554	18 51 38.07	+30 05 34.6	8.47	H	282.908 617 45	+30.092 944 31		3.49	0.17	−5.21	0.59	0.68	0.86	0.63	0.87	+10	−1	+16	+36	+8	−3	+8	+30	+9	+0	0	0.09
92555	18 51 38.10	+60 26 03.1	8.32	H	282.908 747 86	+60.434 201 59		11.13	6.03	−36.26	0.73	0.62	0.66	0.86	0.73	+10	−1	+7	+47	+18	−6	+25	+11	+10	+26	0	−1.62
92556 H	18 51 39.21	+51 15 50.5	9.28	H	282.913 379 97	+51.264 035 97	A	4.05	15.98	24.69	1.79	1.96	1.87	1.98	2.29	−9	−20	+14	−6	+0	−12	−3	+6	+6	+5	2	0.50
92557	18 51 39.90	+07 09 22.6	8.43	H	282.916 241 90	+07.156 286 14		−0.18	0.37	2.87	0.92	0.73	1.10	1.09	0.88	+23	−24	−16	+7	+20	+25	+19	+2	+22	+41	0	2.24
92558	18 51 40.71	−40 35 07.2	8.97	H	282.919 630 53	−40.585 329 61		7.15	−5.09	−53.88	1.22	0.81	1.46	1.47	0.99	+28	−43	−27	−3	+18	−6	+3	−38	+15	+2	0	−0.06
92559	18 51 41.00	−01 45 35.1	8.82	H	282.920 829 97	−01.759 756 86		3.79	−0.12	−12.80	0.83	0.59	1.07	0.91	0.71	+19	−23	−11	−21	+17	+11	+15	−29	+2	−20	0	0.78
92560	18 51 41.33	−47 13 32.8	9.59	H	282.922 221 35	−47.225 772 94	A	5.99	2.79	−11.20	6.58	5.06	6.59	7.27	5.59	+8	−21	−15	−11	+15	−5	+5	+2	−42	+13	−15	18	3.89
92561	18 51 42.52	−55 08 50.2	7.90	H	282.927 180 18	−55.147 289 52		2.02	−14.91	−22.68	0.79	0.67	0.97	0.91	0.71	+6	−17	−11	+28	−31	+5	−27	+15	+3	+11	0	1.11
92562	18 51 42.60	+04 36 30.1	8.48	H	282.927 507 74	+04.608 350 31		10.15	42.62	−15.18	0.90	0.64	1.09	1.07	0.83	+16	−33	−22	−7	+3	−8	−8	−22	+24	−12	0	0.35
92563	18 51 42.83	+20 52 23.0	8.99	H	282.928 439 74	+20.873 050 95		1.40	−4.30	3.81	0.70	0.81	1.22	1.02	1.08	−6	−14	+4	+11	−3	+10	+1	−22	+12	+13	0	0.46
92564	18 51 43.37	−29 19 02.7	9.26	G	282.930 726 40	−29.317 419 86		5.99	2.12	−22.14	1.42	0.87	1.57	2.12	1.22	−20	−8	−38	+8	+38	−29	+13	−49	+39	−57	2	2.01
92565 H	18 51 43.73	+13 31 06.9	8.07	H	282.932 212 99	+13.518 575 25	A	3.51	13.41	0.77	1.55	1.33	1.58	1.99	1.51	+13	−17	−18	−10	+24	+9	+22	−7	+7	+22	0	0.62
92566	18 51 43.91	+05 02 38.8	9.04	H	282.932 977 12	+05.044 117 30		5.71	16.52	14.01	1.04	0.76	1.27	1.19	0.94	+16	−35	−25	−11	+12	+9	+7	−17	+20	+20	2	−0.39
92567	18 51 46.00	−52 23 42.7	7.36	H	282.941 653 21	−52.395 186 69		6.94	−32.88	−21.70	0.75	0.55	0.92	0.86	0.58	+14	−11	+4	+33	−19	−8	−16	−8	−3	+18	5	−0.72
92568	18 51 46.83	+74 27 38.2	8.24	H	282.945 137 43	+74.460 620 62		5.40	3.90	−51.44	0.58	0.58	0.63	0.64	0.72	+7	−5	+27	−2	−4	−23	+5	−19	−9	+16	0	−1.04
92569	18 51 48.43	+03 01 52.9	7.51	H	282.951 774 31	+03.031 362 05		35.35	−5.05	−139.82	0.77	0.62	0.98	0.78	0.68	+18	−17	−14	−28	−3	+26	+1	−34	−7	−4	0	−1.02
92570	18 51 48.67	+41 27 54.5	7.36	H	282.952 779 04	+41.465 133 72		2.27	−0.66	1.43	0.52	0.54	0.63	0.56	0.65	+8	−15	−13	+0	+4	+7	+1	+3	+19	+19	1	−1.04
92571	18 51 48.78	+77 08 37.6	8.40	H	282.953 250 11	+77.143 766 34		6.51	−6.13	−40.87	0.59	0.54	0.61	0.65	0.60	+1	−14	+1	−4	−6	−8	−3	−4	−16	+8	0	1.86
92572	18 51 50.78	−16 30 37.7	8.49	G	282.961 570 44	−16.510 485 09		4.02	9.49	−0.82	1.01	0.65	1.10	1.04	0.80	+3	−27	+3	−5	−5	+12	+5	−41	−3	+25	0	−0.10
92573	18 51 51.32	+16 35 04.0	10.16	G	282.963 837 19	+16.584 453 61		64.13	−226.26	−482.68	1.18	1.33	1.81	1.36	1.42	+27	−13	−31	−1	−13	+14	−7	−24	+12	+39	0	0.15
92574	18 51 51.49	+55 25 05.2	8.22	H	282.964 559 23	+55.418 103 00		3.25	−16.46	−15.40	0.65	0.59	0.65	0.74	0.69	+12	+2	+2	+38	+22	+6	+14	+2	−11	+23	0	0.82
92575	18 51 51.53	+54 54 20.3	8.83	H	282.964 698 61	+54.905 629 40		2.30	3.59	−0.14	0.71	0.65	0.74	0.74	0.74	+3	−8	−4	+21	+17	−13	+22	+2	−11	+24	3	2.29
92576	18 51 51.75	−24 39 15.9	8.02	H	282.965 606 98	−24.654 418 17		3.23	−5.25	−13.41	1.15	0.65	1.15	1.49	1.05	+15	−21	+9	+15	−32	+4	−36	−52	−9	+13	0	0.03
92577	18 51 52.41	+50 58 04.0	9.23	H	282.968 372 97	+50.967 771 35		2.45	−3.53	2.92	0.81	0.88	0.94	0.97	1.08	+4	−22	+7	+10	+6	−10	+6	+4	+7	+15	1	0.40
92578	18 51 53.42	+53 03 57.2	7.78	H	282.972 580 79	+53.065 875 83		4.24	−0.22	−25.18	0.58	0.52	0.59	0.69	0.69	−5	−4	+4	+4	+6	−2	−4	−3	+16	−14	+6	0	−0.74
92579	18 51 54.11	+31 23 38.8	8.11	H	282.975 447 56	+31.394 100 22		3.09	−2.47	−1.24	0.62	0.65	0.79	0.76	0.87	+8	−12	+12	+38	+10	+9	+11	+45	+3	−11	0	−0.22
92580	18 51 54.13	−28 12 00.0	8.68	H	282.975 538 08	−28.200 005 71		9.31	−17.63	−90.39	1.18	0.66	1.23	1.37	0.84	+2	−34	−24	+33	−9	−6	−27	−18	+25	−28	0	0.81
92581	18 51 54.42	+29 14 18.3	8.79	H	282.976 731 04	+29.238 425 46		2.99	3.24	4.89	0.70	0.83	1.09	0.91	1.07	+15	+3	+11	+24	+12	−1	+12	+20	+29	+18	0	−1.14
92582	18 51 56.02	+49 33 37.6	9.83	H	282.983 421 31	+49.560 443 31		5.13	−0.91	−21.62	0.95	0.96	1.03	1.04	1.25	+25	−5	−15	−6	+0	−4	−1	−5	+12	+28	1	−0.60
92583	18 51 56.58	−57 56 04.9	7.89	H	282.985 754 87	−57.934 680 64		7.75	5.30	−30.39	0.94	0.78	1.09	1.09	0.83	+0	−18	+9	+25	−40	−6	−28	−21	−20	+13	0	−1.17
*92584	18 51 57.81	−57 55 44.7	9.77	H																							
*92585 H	18 51 57.65	−32 38 29.3	9.66	H	282.990 227 24	−32.641 469 02	A	14.75	−18.66	−91.68	9.74	3.62	4.36	5.48	3.04	+38	−3	+0	−1	−16	−40	−9	−36	+8	−6	4	2.13
92586	18 51 58.04	−83 18 58.7	7.17	H	282.991 824 85	−83.316 309 12		3.02	1.79	−18.10	0.51	0.52	0.64	0.59	0.68	−8	−20	+7	+23	+1	−2	+1	−2	−2	−10	0	0.29
92587 H	18 51 58.05	+10 46 48.8	8.09	H	282.991 891 04	+10.780 235 35	A	−0.16	3.68	3.08	1.55	1.17	1.54	1.77	1.31	+27	−8	−11	+6	+14	−8	+15	−14	+24	+41	1	0.75
92588	18 51 59.45	+06 35 55.3	8.99	H	282.997 724 49	+06.598 689 49		5.33	−8.94	−10.90	1.09	0.81	1.22	1.08	0.86	+23	−33	−20	−20	−2	+4	−7	−30	+16	+7	0	0.53
92589	18 51 59.54	−09 16 15.2	9.37	G	282.998 078 25	−09.270 888 76		14.96	−50.30	−180.17	1.29	0.85	1.36	1.51	1.18	+36	−36	−20	−2	−19	+16	−24	−44	+13	+28	2	1.07
92590	18 52 01.50	+37 30 59.5	7.33	G	283.006 255 36	+37.516 531 33		3.65	2.40	−1.55	0.48	0.60	0.71	0.58	0.66	−3	+5	−4	+3	+5	−37	+3	−3	+10	+5	0	1.26
92591	18 52 01.65	+32 22 26.7	8.57	H	283.006 884 21	+32.374 085 74		10.20	−70.43	86.92	0.61	0.71	0.86	0.67	0.94	−13	+0	−2	+22	+2	−9	+4	+25	+8	−22	0	−0.55
92592	18 52 01.90	−54 18 06.7	8.52	H	283.007 907 61	−54.301 870 50		18.47	58.94	−48.85	1.08	0.77	1.32	1.08	0.86	+39	−49	−28	+19	−23	−4	−27	−11	+14	+38	2	−0.45
92593	18 52 01.93	+13 57 56.4	6.19	2 H	283.008 029 21	+13.965 667 31		4.08	−5.65	−8.32	0.73	0.53	0.80	1.03	0.64	+2	−6	−26	+32	+21	+19	+22	+2	+27	+11	0	0.24
92594	18 52 02.21	+59 40 01.3	6.96	H	283.009 220 26	+59.667 017 71		3.65	−5.77	7.25	0.46	0.47	0.48	0.47	0.60	+1	+9	−11	+19	+7	+3	+11	+2	+10	+7	1	0.15
92595	18 52 02.45	−08 27 37.8	9.17	H	283.010 203 07	−08.460 513 62		1.85	−11.64	−29.48	1.33	0.95	1.47	1.75	1.43	+35	−24	−13	−9	−26	+16	−14	−48	+6	+55	0	1.25
92596	18 52 03.85	−37 09 10.8	9.38	H	283.016 031 58	−37.152 999 81		4.25	−7.48	−18.13	1.47	1.02	1.72	2.29	1.50	+19	−2	−19	−21	−5	−35	−17	−64	+20	+2	0	0.55
92597	18 52 06.52	−64 35 32.8	9.45	G	283.027 146 92	−64.592 453 88		9.38	−61.49	−209.61	1.11	1.02	1.43	1.45	1.05	−12	−20	−6	+36	−10	−9	−9	−11	+6	−11	0	−1.79
92598	18 52 06.98	+27 15 36.6	7.59	H	283.029 096 85	+27.260 166 27		10.40	19.41	39.92	0.47	0.54	0.76	0.66	0.66	−5	+1	−2	+1	−4	+21	−7	+2	−2	+2	0	−0.02
92599	18 52 07.25	+41 22 59.7	6.28	1 H	283.030 220 57	+41.383 247 34		2.67	−4.18	−1.52	0.44	0.44	0.52	0.49	0.54	+6	−10	−4	+8	+9	+5	+7	+8	+22	+16	0	−0.68
92600 H	18 52 07.50	+11 47 54.0	8.47	H	283.031 234 09	+11.798 321 37	A	4.67	−33.41	8.78	2.63	1.88	2.64	3.16	2.51	+21	−19	+13	−25	−4	+11	−2	−24	−21	+0	2	0.08

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
92501	7.220	0.006	6.920	0.007		0.285	0.009	T	0.32	0.01	L	6.9659	0.0011	0.008	102		6.95	6.98		C			1							S
92502	9.379	0.020	7.713	0.010		1.393	0.018	T	1.37	0.02	L	7.6956	0.0011	0.010	80		7.68	7.71		C			1							S
92503	10.733	0.052	9.203	0.025		1.285	0.045	T	1.24	0.05	L	9.1628	0.0021	0.015	71		9.13	9.18					1							
92504	9.724	0.023	9.179	0.022		0.517	0.024	T	0.59	0.03	L	9.2328	0.0020	0.017	75		9.19	9.25					1							
92505	7.661	0.011	7.545	0.012		0.112	0.015	T	0.13	0.01	L	7.5545	0.0013	0.009	79		7.54	7.57		U			1							S
92506	10.734	0.051	8.940	0.019		1.494	0.043	T	1.52	0.06	L	8.9146	0.0016	0.018	122		8.89	8.94		C			1							
92507	8.886	0.090	8.396	0.089	A						T *	8.4407	0.0024	0.032	75	–	8.38	8.49		U 2	18511−0617	I 1	3 C C							G
92508	8.873	0.013	7.157	0.007		1.432	0.012	T	1.42	0.02	L	7.1213	0.0013	0.009	102		7.11	7.14					1							S
92509	9.075	0.014	7.784	0.008		1.098	0.013	T	1.06	0.01	L	7.8296	0.0010	0.011	135		7.81	7.85		C			1							S
92510	8.675	0.013	8.695	0.018		0.008	0.009	G	0.03	0.01	H	8.6821	0.0062	0.055	85		8.49	8.73		U 2 C			1 S							
92511	10.247	0.036	8.939	0.020		1.230	0.020	G	1.19	0.02	H	8.9778	0.0019	0.019	69		8.94	9.01					1 G							
92512	6.143	0.005	4.766	0.003		1.185	0.013	G	1.20	0.03	C	4.7911	0.0009	0.011	115		4.78	4.82	138.70	P 1 A	18512+5924	I 1	1 O							S P
92513	9.793	0.021	8.070	0.010	*	1.438	0.018	T	1.43	0.03	L *	7.8432	0.0057	0.050	96	*	7.77	7.94		U 2	18512+4644	H 1	2 C S A	AB	195	0.130	0.007	0.49	0.55	
92514	9.423	0.019	9.195	0.021		0.180	0.015	G	0.20	0.02	H	9.2745	0.0022	0.019	92		9.24	9.30		C			1							
92515	9.086	0.015	8.414	0.014		0.634	0.015	G	0.70	0.01	H	8.4680	0.0014	0.010	80		8.45	8.48		C			1							
92516	10.496	0.027	8.881	0.012		1.352	0.023	T	1.32	0.03	L	8.8990	0.0017	0.021	158		8.86	8.94					1							
92517	9.876	0.030	9.397	0.032		0.451	0.040	T	0.52	0.04	L	9.4596	0.0070	0.039	69		9.40	9.52		U 2			1							P
92518	10.192	0.019	9.082	0.013		0.957	0.018	T	0.94	0.01	L	9.1564	0.0020	0.025	184		9.12	9.21					1 S							
92519	8.201	0.013	7.604	0.013		0.534	0.006	G	0.61	0.01	H	7.6699	0.0014	0.009	65		7.65	7.68		C			1							S
92520	9.302	0.014	8.727	0.013		0.537	0.017	T	0.61	0.02	L	8.8010	0.0017	0.013	104		8.78	8.83					1							
92521	7.190	0.007	6.912	0.007		0.264	0.009	T	0.30	0.01	L	6.9393	0.0011	0.008	76		6.92	6.96		C			1							S
92522	11.911	0.110	10.969	0.076		0.831	0.099	T	0.85	0.07	L	11.0109	0.0031	0.038	156		10.95	11.07					1							G
92523	10.563	0.033	8.643	0.013		1.628	0.029	T	2.40	0.06	O	8.4495	0.0048	0.048	110		8.37	8.54		U 2			1							
92524	6.431	0.004	6.104	0.004		0.299	0.007	G	0.34	0.01	H	6.1531	0.0010	0.008	98		6.14	6.16					1							S
92525	8.905	0.014	7.675	0.009		1.050	0.013	T	1.02	0.01	L	7.7157	0.0014	0.009	81		7.70	7.74		C			1							S
92526	9.227	0.024	8.726	0.024	*	0.471	0.031	T	0.54	0.03	L *	9.1003	0.0016	0.017	117	*	9.06	9.13		D	18514+6514	I 1	2 C A	AB	197	2.187	0.005	0.74	0.02	
92527	9.489	0.020	8.206	0.012		1.090	0.015	G	1.05	0.02	H	8.2625	0.0012	0.012	77		8.24	8.28		C			1 G							
92528	10.355	0.029	8.971	0.016		1.171	0.026	T	1.13	0.02	L	8.9946	0.0019	0.017	118		8.96	9.03		C			1							
92529	8.501	0.014	8.187	0.015	*	0.298	0.020	T	0.34	0.03	L *	8.2420	0.0013	0.014	64	*	8.22	8.27		D	18514−1441	I 1	2 C A	AB	87	0.728	0.010	2.32	0.04	S
92530	8.613	0.012	7.537	0.008		0.941	0.020	G	0.98	0.02	A	7.5827	0.0012	0.009	80		7.56	7.60		C			1							S
92531	11.099	0.071	10.132	0.049		0.850	0.064	T	0.86	0.05	L	10.1756	0.0040	0.030	68		10.12	10.23		C			1							G
92532	7.832	0.008	7.225	0.007		0.594	0.004	G	0.66	0.00	H	7.2731	0.0009	0.009	118		7.26	7.29					1							S
92533	9.335	0.016	8.959	0.017		0.473	0.008	G	0.54	0.01	H	9.0461	0.0026	0.021	81		9.02	9.08		D	18514+0351	I 2	1							
92534	10.824	0.052	8.879	0.018		1.614	0.044	T	1.64	0.04	L	8.8076	0.0018	0.022	89		8.77	8.84					1 S							
92535	8.782	0.020	7.343	0.012		1.214	0.018	T	1.17	0.02	L	7.3777	0.0012	0.011	63		7.36	7.39		C			1							S
92536											T										18514+0351	I 2								G
92537	7.246	0.006	7.277	0.007		−0.024	0.008	T	0.00	0.01	L	7.2792	0.0010	0.009	132		7.26	7.31		U 2 C			1							S
92538	9.896	0.026	8.005	0.011		1.571	0.022	T	1.59	0.02	L	7.9188	0.0018	0.015	101		7.90	7.94					1							
92539	8.811	0.011	8.761	0.014		0.051	0.017	T	0.06	0.01	L	8.7821	0.0022	0.017	130		8.76	8.82					1							
92540	8.974	0.015	8.527	0.015		0.435	0.017	T	0.50	0.02	L	8.5873	0.0022	0.014	75		8.56	8.61		C			1							
92541	7.113	0.006	7.212	0.007		−0.085	0.008	T	−0.07	0.01	L	7.2067	0.0012	0.010	114		7.19	7.22		C			1							S
92542	9.272	0.015	8.861	0.015		0.389	0.020	T	0.45	0.02	L	8.9226	0.0022	0.018	89		8.89	8.95		C			1							
92543	8.899	0.014	8.625	0.015		0.265	0.015	G	0.30	0.02	H	8.6526	0.0022	0.018	85		8.62	8.69		C			1							
92544	8.704	0.010	8.367	0.011		0.351	0.015	G	0.41	0.02	H	8.3871	0.0016	0.013	102		8.36	8.41		C	18515−3851	I 1	1							
92545	7.737	0.008	7.621	0.008		0.105	0.010	T	0.12	0.01	L	7.6474	0.0013	0.010	97		7.63	7.67		C			1							S
92546	9.757	0.019	8.981	0.016		0.690	0.019	T	0.75	0.02	L	9.0579	0.0020	0.018	118		9.03	9.09		C			1							
92547	7.792	0.007	7.468	0.007	*	0.333	0.006	G	0.39	0.01	H *	7.5116	0.0011	0.010	106	*	7.49	7.53		D	18516−6054	I 1	2 C S A	AB	223	0.168	0.005	0.86	0.17	S
92548	10.650	0.048	10.842	0.103		0.200	0.015	G	0.22	0.02	H	10.6621	0.0039	0.033	75		10.60	10.71		C			1							D
92549	6.568	0.005	5.610	0.003		0.843	0.004	T	0.86	0.00	L	5.6624	0.0008	0.006	100		5.65	5.67					1							S
92550	7.714	0.007	6.343	0.004		1.183	0.015	G	1.14	0.01	H	6.3812	0.0010	0.009	136		6.37	6.39					1							S
92551	5.965	0.003	6.080	0.003		−0.100	0.004	T	−0.08	0.01	L	6.0698	0.0009	0.009	113		6.05	6.08		M			1 G							S
92552	9.372	0.021	8.053	0.013		1.120	0.019	T	1.08	0.02	L	8.0986	0.0014	0.012	69		8.08	8.11		D	18516−3523	I 1	1 S							
92553	8.310	0.008	8.217	0.010		0.091	0.012	T	0.10	0.01	L	8.2586	0.0017	0.014	108		8.23	8.29					1							
92554	8.559	0.010	8.484	0.012		0.068	0.014	T	0.08	0.01	L	8.4940	0.0018	0.017	140		8.47	8.53		C			1 S							
92555	9.035	0.013	8.394	0.012		0.595	0.015	T	0.67	0.01	L	8.4521	0.0012	0.016	112		8.42	8.48		R			1							S
92556	9.836	0.024	9.425	0.025	A	1.000	0.495	G	0.48	0.09	L *	9.3689	0.0038	0.026	106	*	9.33	9.41		D	18517+5116	I 1	2 C B	AB	319	3.575	0.031	2.52	0.15	
92557	8.707	0.014	8.432	0.015		0.262	0.019	T	0.29	0.02	L	8.4977	0.0021	0.017	82		8.47	8.53					1							
92558	9.373	0.018	9.002	0.019		0.362	0.023	T	0.42	0.03	L	9.0599	0.0021	0.016	87		9.03	9.09		C			1							
92559	8.945	0.011	8.827	0.013		0.114	0.016	T	0.13	0.02	L	8.8682	0.0015	0.015	124		8.85	8.90		C			1							
92560	10.082	0.033	9.503	0.032	A	0.543	0.034	T	0.62	0.03	L	9.7108	0.0422	0.036	69	A	9.62	9.79			18517−4714	I 1	2 C A	AB	37	13.041	0.027	1.11	0.16	
92561	9.176	0.017	7.999	0.011		1.009	0.016	T	0.98	0.01	L	8.0667	0.0015	0.012	93		8.04	8.09		C			1							
92562	8.903	0.012	8.514	0.012		0.404	0.015	G	0.47	0.02	H	8.5742	0.0019	0.013	84		8.56	8.61		C			1							
92563	10.899	0.048	9.135	0.018		1.470	0.041	T	1.48	0.06	L	9.1165	0.0018	0.025	178		9.08	9.16		C			1							
92564	9.937	0.029	9.340	0.027		0.556	0.020	G	0.63	0.02	H	9.3750	0.0024	0.018	68		9.35	9.40		C			1							
92565	9.156	0.020	8.255	0.015	*	0.801	0.019	T	0.83	0.01	L *	8.2214	0.0020	0.013	75	*	8.19	8.24		D	18517+1331	I 1	2 C A	AB	22	1.014	0.006	1.24	0.03	S
92566	9.599	0.020	9.088	0.019		0.480	0.025	T	0.55	0.03	L	9.1447	0.0024	0.027	89		9.11	9.20					1							
92567	8.894	0.013	7.498	0.008		1.180	0.012	T	1.14	0.01	L	7.5304	0.0010	0.009	90		7.52	7.55					1							S
92568	8.694	0.010	8.281	0.010		0.390	0.013	T	0.46	0.01	L	8.3333	0.0011	0.012	106		8.31	8.35					1							S
92569	8.372	0.010	7.581	0.008		0.701	0.010	T	0.76	0.01	L	7.6507	0.0012	0.011	87		7.63	7.67		C			1							
92570	8.575	0.010	7.461	0.007		0.960	0.010	T	0.95	0.01	L	7.5199	0.0009	0.012	116		7.50	7.54		D			1							S
92571	8.826	0.012	8.437	0.012		0.368	0.016	T	0.43	0.02	L	8.4903	0.0013	0.012	109		8.47	8.53					1							S
92572	9.958	0.029	8.685	0.018		1.080	0.015	G	1.04	0.01	H	8.6679	0.0016	0.017	80		8.64	8.70		C			1							
92573	12.370	0.252	10.298	0.059		1.447	0.005	G	1.87	0.02	A	10.2048	0.0033	0.037	90		10.14	10.30		C			1							G
92574	8.325	0.008	8.221	0.010		0.101	0.012	T	0.11	0.01	L	8.2547	0.0015	0.013	118		8.23	8.28					1 G							S
92575	10.514	0.037	8.979	0.017		1.289	0.032	T	1.25	0.03	L	8.9852	0.0018	0.018	107		8.95	9.01		C			1							
92576	9.581	0.029	8.183	0.016		1.182	0.026	T	1.14	0.02	L	8.1855	0.0019	0.011	67		8.17	8.20		C			1							
92577	9.369	0.020	9.214	0.025		0.100	0.015	G	0.11	0.02	H	9.2731	0.0018	0.017	96		9.25	9.30		C			1							
92578	8.013	0.007	7.807	0.011		0.197	0.012	T	0.22	0.01	L	7.8403	0.0009	0.009	100		7.83	7.86		D			1							S
92579	8.167	0.009	8.124	0.010		0.044	0.012	T	0.06	0.01	L	8.1334	0.0013	0.013	133		8.11	8.16		C			1							S
92580	9.550	0.020	8.769	0.017		0.694	0.020	T	0.75	0.02	L	8.8149	0.0024	0.014	73		8.79	8.84		C			1							
92581	10.264	0.025	8.907	0.014		1.150	0.022	T	1.11	0.02	L	8.9609	0.0024	0.020	124		8.93	9.00		C			1							
92582	10.412	0.038	9.846	0.035		0.529	0.046	T	0.60	0.05	L	9.9482	0.0021	0.028	100		9.90	9.99		C			1							G
92583	7.964	0.011	7.900	0.015		0.058	0.100	G	0.06	0.02	L	7.9139	0.0037	0.025	66		7.87	7.94		D	18519−5756	I 2	1							S
92584											T	9.9119	0.0941	0.474	64		8.41	10.69		D	18519−5756	I 2	S							G
92585	10.974	0.083	9.925	0.050	*	0.911	0.073	T	0.91	0.05	L *	9.8280	0.0035	0.025	71	*	9.79	9.87		R	18520−3239	I 1	2 C B	AS	113	1.210	0.017	0.11	0.04	G
92586	8.844	0.011	7.311	0.006		1.267	0.010	G	1.23	0.01	H	7.3329	0.0010	0.010	137		7.32	7.35		C			1							S
92587	8.104	0.014	7.979	0.015	*	0.121	0.020	T	0.14	0.02	L *	8.1294	0.0022	0.014	81	*	8.11	8.16		D	18520+1047	I 1	2 C A	AB	91	2.308	0.005	0.95	0.02	
92588	9.387	0.018	9.007	0.019		0.378	0.015	G	0.44	0.02	H	9.0824	0.0024	0.020	84		9.04	9.12					1							
92589	10.247	0.034	9.476	0.028		0.715	0.005	G	0.76	0.01	H	9.5074	0.0019	0.016	86		9.47	9.55					1							G
92590	7.234	0.007	7.300	0.008		−0.078	0.008	G	−0.06	0.01	H	7.3117	0.0010	0.011	115		7.29	7.33			18520+3731	I 1	1							S
92591	9.899	0.024	8.710	0.015		1.018	0.022	T	0.99	0.02	L	8.7393	0.0018	0.018	130		8.71	8.77					1							
92592	9.274	0.016	8.584	0.014		0.625	0.016	T	0.69	0.01	L	8.6551	0.0018	0.015	90		8.63	8.68		C			1							
92593	6.193	0.009	6.204	0.009		−0.008	0.011	T	0.01	0.01	L	6.1920	0.0056	0.059	68		6.16	6.31	1.39	P 1 A			1 S							S P
92594	6.890	0.004	6.948	0.006		−0.048	0.007	T	−0.03	0.01	L	6.9512	0.0008	0.008	108		6.94	6.97		C			1							S
92595	11.055	0.072	9.347	0.028		1.426	0.061	T	1.41	0.10	L	9.3083	0.0029	0.020	73		9.28	9.34		C			1							
92596	9.985	0.035	9.389	0.033		0.556	0.042	T	0.63	0.04	L	9.5014	0.0023	0.019	71		9.46	9.53		C			1							
92597	10.373	0.033	9.485	0.025		0.711	0.003	G	0.77	0.00	H	9.5962	0.0022	0.017	92		9.56	9.64					1							
92598	7.988	0.007	7.627	0.007		0.342	0.009	T	0.40	0.01	L	7.6765	0.0011	0.013	161		7.66	7.70					1							S
92599	6.167	0.003	6.263	0.005		−0.083	0.005	T	−0.06	0.01	L	6.2585	0.0015	0.011	116		6.24	6.28		M			1							S
92600	9.200	0.019	8.674	0.018	*	0.494	0.023	T	0.57	0.02	L *	8.5820	0.0013	0.012	65	*	8.56	8.60		D	18521+1148	I 1	2 C A	AB	346	0.836	0.003	0.45	0.01	

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)												Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$		F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr													%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
92601 H	18 52 07.91	−06 59 31.1	8.65	G	283.032 976 86	−06.991 966 58	*	2.11	−1.95	−16.21	1.02	0.75	1.17	1.11	0.86	+10	−17	−16	−12	− 3	+13	− 1	−38	− 5	+ 3		0	2.42
92602	18 52 08.35	−21 55 17.1	6.58	H	283.034 780 21	−21.921 411 08		11.33	44.25	−47.76	0.85	0.52	0.94	1.03	0.65	−17	−14	−30	−11	+30	−17	+17	−48	+29	−42		0	−0.65
92603	18 52 08.83	−44 32 11.0	7.00	H	283.036 790 89	−44.536 387 25		4.88	−32.48	−22.48	0.80	0.55	0.89	1.04	0.63	+26	−20	−16	+12	+ 1	− 8	− 9	−42	+ 4	+ 8		2	−0.34
92604	18 52 09.98	−73 36 28.2	7.81	H	283.041 592 66	−73.607 846 49		4.67	5.58	−35.52	0.49	0.58	0.78	0.55	0.66	−16	− 1	− 2	+19	− 5	− 3	− 5	− 1	− 6	−19		1	−1.85
92605	18 52 10.44	+04 31 44.2	8.55	H	283.043 512 00	+04.528 936 15		7.89	16.80	19.39	1.05	0.75	1.13	1.52	1.05	+ 0	−30	−23	−44	+12	+10	+16	−42	− 4	−17		0	−0.48
92606	18 52 10.71	+39 27 15.8	8.95	H	283.044 613 92	+39.454 396 71		3.41	−15.11	−7.68	0.71	0.72	0.85	0.79	0.90	− 4	− 5	−10	+ 2	+15	− 8	+16	+ 3	− 4	− 4		0	0.20
92607	18 52 10.79	+53 38 01.5	9.58	H	283.044 960 12	+53.633 753 73		4.19	7.77	6.80	0.89	0.90	0.95	1.08	1.16	+ 0	−10	− 8	+ 2	+ 3	+ 7	+ 2	+34	−13	+10		2	0.29
92608	18 52 11.95	−41 42 32.8	6.47	H	283.049 772 93	−41.709 121 12		4.78	−8.87	−30.45	0.73	0.48	0.83	0.93	0.63	− 1	−17	+ 1	− 4	+12	+ 0	+14	−40	− 1	+ 3		0	−0.61
92609	18 52 13.04	−62 11 15.2	4.22	2 T	283.054 318 92	−62.187 560 62		1.80	−1.33	−13.53	0.53	0.43	0.67	0.64	0.43	−22	−31	− 9	+38	− 9	−13	− 5	− 9	+ 4	−13		2	−0.75
92610	18 52 13.26	−25 20 58.7	9.47	G	283.055 264 69	−25.349 652 34		0.94	−7.06	26.70	1.39	0.79	1.50	1.86	1.21	+ 7	−19	− 6	+13	− 7	−18	−12	−45	+ 1	+ 0		0	0.89
92611	18 52 13.98	−35 09 05.5	8.44	H	283.058 250 51	−35.151 530 10		5.17	1.99	−18.55	1.30	0.81	1.32	2.32	1.45	−32	−21	−17	−23	+44	−20	+26	−59	+25	−63		0	−0.17
92612	18 52 14.93	+26 01 35.0	7.15	H	283.062 194 84	+26.026 376 43		3.48	2.15	−5.09	0.39	0.50	0.69	0.45	0.59	− 3	− 8	+ 8	+ 4	+12	+ 2	+13	+16	+ 6	− 8		0	−1.55
92613	18 52 15.04	+39 25 49.3	8.94	H	283.062 682 05	+39.430 365 35		3.26	4.89	8.18	0.68	0.68	0.80	0.73	0.89	− 2	− 2	−12	+ 3	+13	− 8	+15	+16	− 4	− 3		0	−1.23
92614	18 52 16.43	+21 25 30.6	5.43	H	283.068 469 43	+21.425 166 48		7.10	−7.25	−10.12	0.36	0.45	0.68	0.46	0.56	+ 8	−14	− 9	−20	− 5	+ 2	− 7	−27	+19	+12		0	−0.01
92615	18 52 16.52	+43 42 35.7	7.44	H	283.068 842 02	+43.709 922 36		11.50	−27.57	3.88	0.53	0.52	0.60	0.58	0.66	+ 5	+ 1	− 4	+ 9	+10	+ 5	+11	+12	+15	+14		1	0.48
*92616	18 52 17.29	+33 21 28.5	8.65	H	283.072 020 91	+33.357 908 07		3.74	1.50	−4.90	0.57	0.71	0.79	0.63	0.90	+ 2	− 7	−17	+22	+ 7	−18	+ 7	+47	− 8	− 4		0	0.65
*92617	18 52 17.25	+09 15 48.4	9.45	G	283.071 855 69	+09.263 444 98		0.12	−1.02	−4.91	1.20	0.88	1.63	1.47	1.18	+14	−39	−39	−21	+16	− 9	− 1	−36	+34	−31		2	0.98
92618 H	18 52 17.95	−35 37 26.4	7.88	G	283.074 780 65	−35.624 006 47	A	7.05	24.11	−9.74	1.46	0.97	1.53	2.14	1.41	−12	+16	−26	− 9	+34	−30	+20	−49	+39	−49		1	−0.04
92619	18 52 17.97	+34 49 11.2	10.16	H	283.074 891 52	+34.819 776 54		1.85	7.41	−6.29	0.91	0.96	1.19	1.11	1.18	+ 4	+ 0	+ 2	+27	+10	−12	+10	+19	+ 7	+ 1		0	−0.32
92620	18 52 18.63	+14 32 08.0	6.55	G	283.077 619 78	+14.535 558 31	A	8.14	12.19	−25.46	1.00	0.80	1.08	1.10	0.93	+ 6	+ 2	−21	−13	+ 8	+31	+16	+ 1	+16	+24		1	0.72
92621	18 52 20.26	−41 10 37.8	9.16	H	283.084 434 23	−41.177 164 63		3.34	−4.62	12.61	1.32	0.80	1.55	1.78	1.24	+ 2	−25	−10	+ 1	+30	+12	+28	−31	+22	+ 5		0	−1.46
92622	18 52 20.60	−44 20 09.5	8.18	G	283.085 848 15	−44.335 982 64		7.55	6.78	−5.40	0.97	0.61	1.03	1.32	0.76	+12	−17	− 8	+19	− 9	− 7	−15	−40	− 6	− 2		0	−0.24
92623	18 52 21.22	+52 03 36.2	8.43	H	283.088 402 52	+52.060 044 91		5.10	4.85	18.33	0.61	0.72	0.70	0.68	0.93	+ 1	+ 9	− 5	+11	− 7	+14	− 9	+34	−14	+ 3		0	1.22
92624	18 52 22.06	+24 20 16.0	9.54	H	283.091 923 58	+24.337 784 47		2.04	−1.66	−2.84	0.64	0.98	1.34	0.66	1.00	−12	− 9	+ 4	+29	+37	− 6	+35	+ 0	+11	−15		1	1.94
92625	18 52 22.86	−58 56 32.5	9.13	H	283.095 237 07	−58.942 349 18		16.62	−21.59	32.06	1.01	0.97	1.31	1.16	1.10	+10	−21	− 1	+ 8	−27	− 3	−24	−39	− 2	+13		0	1.46
92626	18 52 24.78	+26 44 44.0	7.96	H	283.103 240 67	+26.745 562 01		5.37	8.58	−1.38	0.51	0.59	0.84	0.62	0.66	− 7	− 4	+ 2	+ 4	+18	− 2	+16	+11	+11	− 5		2	0.35
92627	18 52 25.36	−61 10 34.3	8.75	H	283.105 658 16	−61.176 190 58		6.08	−1.28	24.13	0.84	0.77	1.27	1.06	1.01	−16	−31	− 3	+36	− 6	− 1	−10	+28	+21	+ 4		2	0.58
92628	18 52 25.70	−03 43 32.2	7.08	1 H	283.107 081 18	−03.725 621 69		3.78	−5.02	−8.11	0.81	0.57	0.93	0.83	0.61	− 2	− 6	−22	−39	+20	−14	+18	−40	+13	−25		0	1.89
92629	18 52 26.97	−57 11 46.0	8.17	2 H	283.112 382 85	−57.196 112 06		1.49	3.80	−9.90	0.89	0.75	1.09	1.10	0.79	+17	−23	− 9	+ 4	−33	− 3	−27	−22	+ 3	+28		0	1.02
92630	18 52 27.21	−46 35 42.4	5.51	1 H	283.113 358 13	−46.595 119 45		3.41	29.04	0.14	0.65	0.44	0.74	0.81	0.53	+ 6	−28	−19	− 7	+ 8	+ 5	+ 4	−38	+ 5	− 9		0	0.93
92631 H	18 52 27.37	+26 32 04.4	8.24	H	283.114 024 50	+26.534 546 67	A	14.40	111.74	156.90	1.09	1.41	1.72	1.13	1.37	+ 3	− 7	− 1	+17	+15	− 4	+ 8	+ 2	+ 5	− 5		5	0.23
92632	18 52 27.45	+29 31 17.0	8.31	H	283.114 363 77	+29.521 394 34		3.27	−12.27	−14.82	0.58	0.71	0.91	0.65	0.97	+10	+ 4	+10	+18	+ 9	− 5	+12	+21	+29	+ 3		0	−0.87
92633	18 52 27.95	−42 00 09.7	10.62	H	283.116 459 78	−42.002 700 84		2.24	−115.93	−27.30	2.34	1.44	2.44	2.99	1.97	−28	−33	+ 8	−41	+48	+13	+48	−61	−15	−34		2	0.61
92634	18 52 28.21	−02 39 51.4	9.10	H	283.117 560 22	−02.664 284 60		0.68	0.90	−7.67	0.92	0.64	1.18	1.01	0.76	+25	−25	−12	−22	+ 7	+ 3	+ 2	−33	+ 5	−19		0	0.88
92635	18 52 28.32	−26 39 02.2	6.28	G	283.117 987 29	−26.650 621 76		8.44	−3.25	−60.99	0.90	0.50	0.94	1.10	0.66	−17	−32	− 3	+ 5	+ 6	−15	− 3	−43	+ 8	−33		0	0.93
92636	18 52 28.75	+25 04 33.1	8.16	H	283.119 785 43	+25.075 868 19		0.87	2.58	−4.74	0.51	0.68	0.98	0.58	0.83	−16	−28	+ 8	+21	+12	− 7	+11	+ 6	+ 3	−18		0	−1.34
92637	18 52 28.77	+48 24 14.1	9.83	G	283.119 854 80	+48.403 921 49		−0.13	−5.85	−4.48	0.79	0.87	0.92	0.84	1.08	+11	+ 4	− 1	+ 5	− 1	+12	+ 2	− 8	+10	+29		0	0.84
92638	18 52 29.47	+11 12 38.5	10.34	H	283.122 786 07	+11.210 695 39		24.11	−185.48	−224.61	1.83	1.39	2.01	2.05	1.58	+12	−10	+ 0	−25	+10	−11	+ 8	−25	+15	+ 6		0	−0.41
92639	18 52 32.61	−36 35 02.2	8.59	H	283.135 891 62	−36.583 937 93		12.85	0.48	−98.16	1.26	0.77	1.45	1.96	1.26	− 7	− 5	−22	+13	+21	−21	+ 8	−39	+39	−30		2	1.77
92640	18 52 32.78	+44 24 54.8	8.82	H	283.136 598 20	+44.415 220 39		0.51	−2.34	−2.88	0.73	0.66	0.78	0.75	0.84	+ 8	+ 7	− 5	+ 8	+15	+ 2	+15	+27	− 3	+16		1	1.26
*92641	18 52 36.58	+26 41 20.2	7.98	H	283.152 435 12	+26.688 943 28		3.63	−0.35	−4.88	0.51	0.60	0.86	0.59	0.66	−10	− 4	+ 0	− 3	+20	− 7	+18	+ 6	+11	− 9		1	0.99
*92642	18 52 36.58	−12 21 32.0	9.52	H	283.152 427 53	−12.358 879 33		5.04	18.84	−7.84	1.32	0.76	1.44	1.51	0.98	+16	−37	−23	+15	+ 5	+17	− 5	−22	+ 1	−25		0	−0.75
92643	18 52 37.05	−29 22 46.4	6.12	G	283.154 354 67	−29.379 562 82		6.61	0.17	−46.64	0.80	0.46	0.81	0.99	0.61	−26	−17	−17	+10	+18	−16	+ 9	−32	+25	−38		0	−0.09
92644	18 52 37.74	−38 35 38.7	8.34	H	283.157 235 72	−38.594 075 16		3.90	7.70	7.77	1.01	0.60	1.22	1.05	0.69	+19	−50	−18	− 9	+16	+ 6	+ 6	−44	+ 5	− 7		0	0.32
92645	18 52 38.89	−60 13 23.9	8.13	H	283.162 024 62	−60.223 307 11		4.95	7.25	−21.78	0.90	0.70	1.13	1.14	0.89	+ 9	−24	− 6	+11	− 7	−23	−14	−10	+28	+ 3		2	−0.48
92646	18 52 39.61	−52 06 25.7	5.18	H	283.165 025 68	−52.107 137 66		11.13	38.43	−95.69	0.63	0.49	0.72	0.88	0.58	−17	−12	− 4	− 3	+12	− 1	+ 7	−32	+ 3	−32		2	0.40
92647	18 52 40.28	+06 54 28.1	8.77	H	283.167 814 66	+06.907 806 50		0.43	4.96	−0.39	0.98	0.71	1.17	0.92	0.74	+12	−39	−15	−30	+ 0	+20	+ 3	−31	+ 1	+ 4		0	−1.34
92648	18 52 40.31	+04 03 11.8	7.99	H	283.167 940 59	+04.053 269 81		1.05	4.10	−1.96	0.85	0.64	1.03	0.87	0.72	+ 4	−10	−30	−36	+ 9	− 2	+ 7	−40	+25	+ 7		0	−0.02
92649	18 52 41.69	−30 44 02.5	6.64	2 H	283.173 699 71	−30.734 018 98		5.97	−0.73	−17.58	0.88	0.50	0.87	1.15	0.61	−21	−20	− 3	+18	+ 5	−11	− 7	−36	− 4	+46		0	0.13
92650	18 52 42.43	−20 14 20.4	8.88	H	283.176 785 84	−20.239 012 67		−1.05	−3.83	−5.01	1.24	0.73	1.38	1.76	1.00	−19	+ 8	−22	− 9	+29	+17	+19	−55	+13	−47		0	1.42
92651	18 52 42.85	+35 28 46.6	7.48	H	283.178 528 36	+35.479 604 42		1.80	−14.89	−24.45	0.53	0.54	0.68	0.59	0.61	− 1	−15	+ 1	+13	+12	− 9	+12	+ 9	− 1	− 1		0	0.16
92652 H	18 52 42.85	+58 42 12.0	9.21	H	283.178 548 40	+58.703 320 77	A	3.95	−1.58	4.87	1.12	1.21	1.02	1.20	1.34	+26	− 1	−16	+33	+ 5	+ 5	+10	+ 0	−15	+26		0	−0.03
92653	18 52 49.05	+57 25 45.3	9.34	H	283.204 355 42	+57.429 237 74		2.27	−11.85	−21.71	0.83	0.78	0.85	0.98	1.09	+ 5	−11	− 5	+24	+ 5	− 9	+ 7	+ 7	−17	+ 7		0	−2.07
92654	18 52 49.56	−04 45 48.4	9.20	H	283.206 487 10	−04.763 435 86		1.78	0.21	−5.61	1.18	0.82	1.40	1.42	1.03	+10	−12	− 9	+ 4	− 2	+32	− 3	−20	− 1	− 5		0	−0.85
92655	18 52 50.94	+22 40 33.2	10.01	H	283.212 252 13	+22.675 901 14		−0.21	2.66	−4.17	0.91	1.11	1.59	1.19	1.39	+16	− 5	−18	+ 6	+14	+10	+15	− 8	+23	+18		2	1.38
92656	18 52 52.60	−57 07 30.6	12.11	G	283.219 164 29	−57.125 162 65		37.52	−245.31	−769.07	3.20	2.64	3.91	3.98	2.75	+25	−21	−11	+12	−31	−11	−25	−23	+ 6	+32		0	−0.60
92657	18 52 53.80	+22 10 10.8	9.98	2 H	283.224 182 26	+22.169 663 39		2.59	0.23	− 7.95	0.82	1.01	1.49	1.09	1.11	+12	−22	− 6	+14	+16	− 4	+ 8	−13	+25	+16		2	−1.32
92658	18 52 54.41	−45 34 15.9	8.30	H	283.226 705 97	−45.571 086 50		1.85	−2.03	−17.60	0.94	0.65	1.06	1.19	0.76	+ 8	−21	−10	−11	+11	− 9	+ 9	−37	−11	− 3		0	0.29
92659	18 52 55.47	+21 27 23.8	8.00	H	283.231 124 52	+21.456 608 97		7.10	−1.00	−17.19	0.43	0.62	0.96	0.55	0.76	+24	−12	− 1	−18	− 2	+ 8	− 4	−13	+17	+32		2	−0.97
92660	18 52 55.56	−15 19 45.9	7.93	H	283.231 483 14	−15.329 426 16		3.97	−12.44	−25.04	0.84	0.55	0.95	1.05	0.79	+10	−23	−10	+ 9	− 5	+29	+ 3	−24	+ 1	+20		0	1.25
92661	18 52 55.74	−41 13 34.1	8.44	H	283.232 254 46	−41.226 148 77		3.54	10.22	−0.74	1.10	0.73	1.29	1.43	0.96	+ 1	−20	+12	− 3	+27	+ 7	+24	−33	+ 4	+ 1		2	0.18
92662	18 52 56.04	−18 15 33.1	7.58	H	283.233 500 65	−18.259 182 37		3.28	7.00	−2.94	0.94	0.54	0.99	0.90	0.61	−11	−39	−14	−10	+10	+ 9	+ 8	−36	+ 9	−15		0	−0.33
92663	18 52 57.19	−19 07 09.2	8.24	H	283.238 272 28	−19.119 221 03		4.75	3.25	−5.19	0.96	0.57	1.05	1.01	0.71	− 2	−33	−19	− 9	+19	+14	+17	−30	+20	− 2		0	−0.62
92664	18 52 58.49	−28 08 42.8	8.18	H	283.243 703 62	−28.145 209 79		4.47	−2.78	−16.35	1.11	0.60	1.14	1.35	0.75	− 5	−39	−28	+35	− 8	− 8	−29	−19	+18	−45		0	2.02
92665	18 52 58.85	+17 21 03.7	8.64	H	283.245 188 43	+17.351 033 23		1.03	0.80	2.20	0.86	0.84	1.20	0.95	0.97	+45	−33	−28	+35	−14	− 2	−18	−10	+ 7	+38		0	−1.60
92666	18 52 59.15	+37 19 03.3	7.99	H	283.246 449 73	+37.317 575 81		11.23	4.71	25.36	0.53	0.59	0.71	0.66	0.74	+ 0	− 5	−11	− 1	+ 4	−20	+ 3	−13	− 4	+ 7		0	0.33
92667	18 52 59.42	−11 26 14.3	8.95	H	283.247 568 46	−11.437 318 28		2.71	−0.12	−7.62	1.11	0.68	1.22	1.19	0.84	+ 1	−28	− 2	− 2	−10	+16	− 8	−34	+ 0	+ 5		0	1.32
92668	18 52 59.74	+43 42 48.8	7.21	H	283.248 933 54	+43.713 554 49		2.69	−27.12	−33.44	0.53	0.51	0.60	0.60	0.66	+ 2	+ 0	− 8	+10	+ 9	+ 0	+10	+ 8	+12	+ 9		1	1.22
92669	18 52 59.90	−46 35 10.9	6.17	H	283.249 571 33	−46.586 356 07		4.06	4.59	11.16	0.66	0.45	0.75	0.80	0.53	+ 9	−34	−18	− 8	+ 8	+ 3	+ 4	−37	+ 5	− 6		0	0.39
92670	18 53 00.17	+07 49 57.1	8.64	H	283.250 688 23	+07.832 521 25		4.90	1.62	−5.45	0.94	0.77	1.17	1.10	0.91	+18	−32	−22	+ 8	+27	− 3	+18	− 6	+21	+11		0	0.45
92671 H	18 53 00.44	−16 22 53.3	7.01	H	283.251 842 51	−16.381 461 84	A	1.54	2.96	−5.57	1.84	1.47	1.27	1.30	0.92	+ 2	− 9	−19	−22	− 2	+ 4	− 3	−36	+ 5	+13		2	−0.01
92672	18 53 00.90	+71 47 13.9	6.97	H	283.253 739 30	+71.787 192 43		6.65	3.49	13.76	0.51	0.48	0.52	0.56	0.65	+14	−25	+ 5	− 5	+ 8	+ 6	+ 2	+15	+10	+33		0	1.74
92673	18 53 01.33	+64 47 15.5	8.23	H	283.255 538 94	+64.787 641 54		1.28	0.02	10.32	0.66	0.61	0.66	0.67	0.68	− 1	−15	+ 5	+23	+ 8	− 1	+10	− 1	− 5	+ 1		0	−0.22
92674	18 53 01.80	−09 34 32.0	6.27	H	283.257 481 47	−09.575 558 31		9.83	22.50	15.50	0.73	0.49	0.84	0.79	0.61	+11	−37	−20	− 3	+ 3	+25	+ 9	−15	+ 1	+ 7		2	0.95
92675	18 53 02.07	+08 43 26.1	8.15	H	283.258 627 20	+08.723 910 00		1.97	4.73	0.29	0.90	0.64	1.04	0.96	0.75	+ 6	−31	− 7	+ 4	+18	+ 1	+12	− 9	+13	− 4		0	−1.03
92676	18 53 02.36	−48 21 38.6	6.17	H	283.259 842 31	−48.360 727 14		11.26	−17.27	−76.36	0.74	0.48	0.87	0.90	0.57	+ 4	−43	−26	− 4	+12	− 1	+ 1	−31	+10	−32		4	0.88
92677	18 53 04.53	+74 05 17.2	7.40	H	283.268 882 09	+74.088 111 48	+	9.58	−21.13	63.42	0.62	0.57	0.64	0.72	0.70	+23	+ 2	+25	−20	− 9	−24	− 3	−21	− 2	+19		1	−0.11
92678	18 53 04.64	−49 39 23.5	8.61	H	283.269 350 55	−49.656 534 57		5.75	−2.35	−0.42	1.08	0.78	1.24	1.42	0.96	+18	−20	+ 0	−26	− 9	−20	−11	−49	− 4	+ 6		0	0.66
92679	18 53 05.66	+07 53 08.5	7.78	H	283.273 599 56	+07.885 705 59		4.39	−2.64	−11.30	0.73	0.60	0.90	0.89	0.70	− 2	−21	−18	+ 2	+20	+ 4	+15	−20	+25	+ 2		0	0.04
92680	18 53 05.86	−50 10 49.1	8.43	2 H	283.274 413 18	−50.180 318 99		20.14	16.64	−83.58	1.01	0.82	1.18	1.32	0.87	+33	−23	−20	−21	−11	−20	−22	−53	+ 6	+ 4		0	−0.43
92681	18 53 05.89	−77 03 23.3	8.23	H	283.274 540 09	−77.056 476 26		5.75	17.86	−31.22	0.49	0.58	0.74	0.52	0.62	− 2	−15	+ 2	+ 2	− 8	+ 7	− 9	+ 3	+ 3	−12		0	−0.73
92682	18 53 06.53	−18 38 12.4	6.77	H	283.277 195 96	−18.636 777 26		6.66	3.83	−24.95	0.90	0.49	0.97	0.81	0.57	− 3	−50	−13	− 8	+ 9	+12	+ 6	−29	+13	− 1		0	−0.11
92683	18 53 07.83	+01 45 19.5	7.71	H	283.282 605 96	+01.755 424 54		8.54	4.36	18.90	0.88	0.68	1.00	0.86	0.78	+35	− 6	+16	−41	−23	− 2	−25	−54	−20	+16		0	−1.11
92684	18 53 07.96	−04 03 22.8	8.52	H	283.283 180 41	−04.056 327 54		1.94	2.09	2.41	1.04	0.68	1.20	1.20	0.92	+11	+ 0	− 9	−36	+14	− 4	+17	−35	+11	−14		0	1.65
92685	18 53 10.29	−23 22 01.2	8.76	H	283.292 892 24	−23.366 995 56		4.46	−0.38	−11.63	1.20	0.67	1.32	1.38	1.01	+11	−42	+ 2	+ 1	− 6	+14	− 9	−38	+11	+19		0	0.51
92686	18 53 11.34	−04 43 55.4	7.42	H	283.297 230 08	−04.732 043 86		4.53	4.57	−4.53	0.85	0.59	1.03	0.97	0.70	+ 3	−17	−16	−10	+ 0	+33	+ 6	−22	− 9	−11		0	0.61
92687	18 53 12.00	−51 55 53.1	6.30	H	283.300 001 34	−51.931 408 00		1.78	1.21	−12.16	0.71	0.52	0.78	0.97	0.62	−13	−16	+ 7	− 8	+ 4	− 3	+ 2	−38	− 2	−23		0	1.19
92688	18 53 12.54	−46 46 17.7	9.11	H	283.302 232 88	−46.771 588 17		3.43	−2.29	−14.78	1.02	0.72	1.20	1.25	0.91	+12	−18	− 7	−14	− 3	+ 4	− 1	−43	− 7	+12		0	−0.70
92689	18 53 13.54	+50 42 29.8	4.92	H	283.306 422 19	+50.708 288 94		9.67	4.54	−27.75	0.56	0.63	0.57	0.79	1.01	+ 2	−28	− 0	−34	+ 6	+20	+ 6	−43	− 2	+19		3	1.61
92690	18 53 13.58	−73 37 46.6	6.93	G	283.306 562 98	−73.629 619 80		3.64	1.25	−19.62	0.40	0.46	0.63	0.44	0.51	−16	− 1	+ 2	+10	− 4	− 4	− 4	−11	− 9	−16		0	−1.99
92691	18 53 13.74	+38 55 52.0	7.78	H	283.307 248 76	+38.931 121 29		2.58	2.30	−1.56	0.55	0.56	0.66	0.59	0.69	+ 0	+ 2	+ 5	+14	+12	−10	+ 9	+10	− 7	− 5		0	0.51
*92692	18 53 13.97	−52 35 19.6	8.10	H	283.308 212 09	−52.588 786 69		7.37	30.56	4.69	0.79	0.59	1.05	0.91	0.71	+17	−17	− 1	+20	−17	+ 2	−18	− 6	+11	+21		2	1.67
*92693	18 53 13.92	+10 10 45.4	8.13	H	283.308 005 45	+10.179 269 85		2.35	−2.05	−5.56	0.91	0.71	1.09	0.89	0.74	+16	−38	−22	−13	+ 6	+ 4	− 6	−31	+31	+ 6		0	−0.74
92694	18 53 14.47	−10 13 12.4	7.77	H	283.310 305 77	−10.220 119 82		1.57	0.98	−4.72	0.82	0.56	0.97	0.97	0.81	+20	−28	+ 0	+ 4	+19	+35	+16	+ 1	+31	+49		0	−0.27
92695	18 53 14.68	−11 21 02.8	8.30	H	283.311 152 03	−11.350 786 51		4.69	−2.94	14.23	1.04	0.64	1.16	0.95	0.72	+20	−42	−14	−11	− 2	+ 8	− 5	−33	+15	+22		0	1.18
92696	18 53 15.85	+33 28 28.0	8.29	H	283.316 055 54	+33.474 443 18		2.55	−15.88	12.68	0.60	0.69	0.84	0.72	0.93	+ 2	− 8	− 7	+19	+ 8	−22	+10	+33	−10	− 6		0	1.19
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No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
92601	8.864	0.013	8.699	0.015	*	0.144	0.015	G	0.16	0.01	H *	8.7038	0.0019	0.016	84	*	8.67	8.73		D	18521−0700	H 1	2 C S A	AB	181	0.176	0.008	0.87	0.28	
92602	6.756	0.006	6.598	0.006		0.144	0.008	T	0.16	0.01	L	6.6324	0.0012	0.007	65		6.62	6.65		C			1							S
92603	8.671	0.016	7.154	0.009		1.275	0.014	T	1.23	0.01	L	7.1585	0.0014	0.009	72		7.14	7.18		C			1							S
92604	8.004	0.007	7.824	0.009		0.172	0.011	T	0.19	0.01	L	7.8698	0.0011	0.015	183		7.84	7.90					1							S
92605	9.059	0.014	8.610	0.014		0.424	0.018	T	0.49	0.02	L	8.6489	0.0024	0.017	89		8.62	8.68		C			1 G							
92606	9.486	0.016	9.004	0.016		0.454	0.021	T	0.52	0.02	L	9.0493	0.0021	0.019	125		9.02	9.09			18522+3927	I 2	1							
92607	10.001	0.025	9.622	0.028		0.359	0.035	T	0.42	0.04	L	9.6652	0.0025	0.023	100		9.63	9.71					1							
92608	8.327	0.012	6.619	0.005		1.426	0.010	T	1.41	0.02	L	6.6040	0.0013	0.010	90		6.59	6.62			18522−4142	I 1	1							S
92609	4.023	0.003	4.192	0.003		−0.150	0.300	G	−0.14	0.02	A	4.1657	0.0030	0.020	111		4.13	4.20		U 2 C	18522−6212	I 1	1							S
92610	11.095	0.070	9.632	0.032		1.215	0.025	G	1.17	0.03	H	9.6346	0.0027	0.018	75		9.60	9.67		C			1							
92611	10.515	0.048	8.595	0.018		1.594	0.041	T	1.61	0.04	L	8.5511	0.0019	0.016	66		8.52	8.58					1							
92612	7.710	0.006	7.196	0.005		0.483	0.007	T	0.55	0.01	L	7.2550	0.0008	0.010	187		7.24	7.27		C			1							S
92613	9.062	0.013	8.950	0.016		0.109	0.019	T	0.12	0.02	L	8.9849	0.0014	0.016	125		8.95	9.01		C	18522+3927	I 2	1							
92614	5.296	0.002	5.391	0.002		−0.068	0.008	G	−0.13	0.05	D	5.3833	0.0005	0.006	246		5.37	5.39					1							S
92615	8.018	0.009	7.491	0.007		0.495	0.010	T	0.57	0.01	L	7.5463	0.0012	0.009	112		7.53	7.56		C			1							S
92616	8.656	0.011	8.645	0.014		0.015	0.016	T	0.03	0.01	L	8.6618	0.0016	0.016	140		8.63	8.69		C	18523+3321	I 1	1							
92617	9.708	0.026	9.418	0.030		0.362	0.007	G	0.42	0.01	H	9.5003	0.0018	0.013	67		9.47	9.52					1							G
92618	8.355	0.013	7.954	0.012	*	0.420	0.015	G	0.49	0.02	H *	7.9723	0.0018	0.009	62	*	7.95	7.99		D	18523−3537	I 1	2 C A	AB	132	0.738	0.009	2.17	0.03	S
92619	10.690	0.044	10.220	0.046		0.443	0.058	T	0.51	0.06	L	10.2648	0.0034	0.030	135		10.21	10.32		C			1							G
92620	7.828	0.010	6.631	0.007	A	1.050	0.015	G	1.02	0.01	H	6.6760	0.0061	0.013	70	A	6.66	6.70			18523+1432	I 1	2 C A	AB	95	13.475	0.024	3.11	0.11	S
92621	9.556	0.018	9.180	0.019		0.356	0.024	T	0.42	0.03	L	9.2434	0.0025	0.020	80		9.22	9.28		C			1							
92622	8.692	0.017	8.254	0.017		0.426	0.013	G	0.49	0.01	H	8.2895	0.0018	0.012	66		8.27	8.31		C			1							S
92623	8.745	0.012	8.452	0.013		0.279	0.017	T	0.32	0.02	L	8.4991	0.0016	0.013	99		8.48	8.52					1							
92624	9.691	0.016	9.550	0.020		0.136	0.024	T	0.15	0.03	L	9.5871	0.0020	0.024	217		9.54	9.63		C			1							G
92625	9.852	0.030	9.168	0.026		0.620	0.030	T	0.69	0.03	L	9.2623	0.0026	0.018	66		9.23	9.29		C			1							
92626	8.070	0.007	7.968	0.008		0.099	0.010	T	0.11	0.01	L	7.9987	0.0013	0.015	167		7.98	8.03		C			1							S
92627	9.278	0.014	8.773	0.013		0.485	0.015	T	0.56	0.02	L	8.8553	0.0024	0.023	125		8.82	8.90					1							
92628	9.610	0.020	7.374	0.007		1.910	0.015	G	1.93	0.09	H	7.1707	0.0015	0.018	93		7.15	7.20		U			1 S							S
92629	8.257	0.010	8.185	0.012		0.065	0.014	T	0.07	0.01	L	8.1931	0.0066	0.057	80		8.16	8.44	1.19	P 1 A			1							
92630	7.632	0.009	5.696	0.003		1.641	0.008	T	1.82	0.03	O	5.6082	0.0023	0.013	78		5.59	5.63		U 2			1 S							S
92631	8.974	0.011	8.307	0.009	*	0.608	0.011	T	0.68	0.01	L *	8.3714	0.0013	0.017	174	*	8.34	8.41		D	18525+2632	H 1	2 C C	AB	57	0.988	0.055	3.71	0.21	
92632	8.475	0.008	8.316	0.010		0.153	0.012	T	0.17	0.01	L	8.3690	0.0015	0.019	142		8.33	8.40					1							
92633	11.398	0.088	10.667	0.077		0.670	0.093	T	0.73	0.08	L	10.7569	0.0049	0.029	72		10.71	10.81		C			1							G
92634	10.459	0.025	9.210	0.014		1.065	0.022	T	1.03	0.02	L	9.2702	0.0018	0.019	135		9.24	9.30					1							
92635	7.507	0.007	6.405	0.007		0.941	0.002	G	0.93	0.00	H	6.4453	0.0011	0.009	73		6.43	6.46		C			1							S
92636	10.220	0.019	8.358	0.008		1.548	0.016	T	1.61	0.04	L	8.2801	0.0013	0.019	200		8.25	8.31					1							
92637	9.625	0.022	9.716	0.031		−0.158	0.017	G	−0.16	0.02	H	9.7910	0.0024	0.021	99		9.76	9.82		C			1							G
92638	11.633	0.133	10.354	0.068		1.569	0.317	G	2.52	1.32	I	10.3566	0.0062	0.030	57		10.31	10.40					1							G
92639	9.387	0.022	8.652	0.019		0.631	0.015	G	0.70	0.01	H	8.7214	0.0022	0.017	69		8.69	8.75		C			1							
92640	10.795	0.044	8.976	0.015		1.514	0.037	T	1.55	0.06	L	8.9364	0.0017	0.016	113		8.91	8.97		C			1							
92641	7.996	0.007	7.970	0.008		0.029	0.010	T	0.05	0.01	L	7.9962	0.0016	0.017	170		7.97	8.03					1							S
92642	10.176	0.033	9.645	0.034		0.506	0.036	T	0.58	0.04	L	9.6305	0.0027	0.018	79		9.58	9.67					1							G
92643	7.844	0.011	6.251	0.005		1.344	0.006	G	1.31	0.01	H	6.2634	0.0009	0.007	75		6.25	6.28					1							S
92644	9.621	0.017	8.442	0.011		1.011	0.016	T	0.99	0.01	L	8.5032	0.0018	0.014	108		8.48	8.53					1							
92645	8.165	0.011	8.136	0.013		0.027	0.015	T	0.04	0.01	L	8.1485	0.0019	0.016	70		8.12	8.17					1							S
92646	6.402	0.004	5.288	0.003		0.962	0.002	G	0.95	0.00	H	5.3384	0.0008	0.005	71		5.33	5.35					1							S
92647	9.011	0.014	8.793	0.015		0.208	0.019	T	0.23	0.02	L	8.8303	0.0019	0.013	79		8.81	8.85		C			1							
92648	8.186	0.009	8.006	0.011		0.172	0.013	T	0.19	0.01	L	8.0522	0.0016	0.013	88		8.03	8.08					1							
92649	6.605	0.006	6.641	0.006		−0.028	0.008	T	−0.01	0.01	L	6.6369	0.0037	0.031	78		6.61	6.70	1.45	P 1 A			1							S
92650	8.914	0.019	8.810	0.024		0.101	0.029	T	0.11	0.03	L	8.9183	0.0020	0.015	65		8.89	8.94					1							
92651	9.497	0.019	7.663	0.009		1.526	0.017	T	1.57	0.03	L	7.6046	0.0012	0.014	129		7.58	7.63					1							S
92652	9.495	0.019	9.220	0.022	*	0.262	0.027	T	0.29	0.03	L *	9.2813	0.0024	0.017	99	*	9.25	9.32		C	18527+5842	H 1	2 C A	AB	212	0.624	0.026	3.07	0.11	
92653	10.786	0.040	9.422	0.021		1.155	0.035	T	1.12	0.03	L	9.5047	0.0029	0.019	99		9.47	9.54		C			1							
92654	9.503	0.020	9.249	0.024		0.297	0.020	G	0.34	0.03	H	9.2735	0.0019	0.016	70		9.24	9.30		C			1							
92655	10.720	0.044	10.043	0.038		0.626	0.048	T	0.69	0.04	L	10.1467	0.0030	0.037	168		10.07	10.22					1							G
92656						1.480	0.015	G	1.95	0.09	I	12.1951	0.0059	0.048	69		12.09	12.29					1							G
92657	10.366	0.026	10.000	0.030		0.347	0.037	T	0.41	0.05	L	10.0693	0.0027	0.033	204		9.98	10.14		U 2			1 S							G
92658	9.666	0.023	8.410	0.014		1.071	0.021	T	1.04	0.02	L	8.4629	0.0020	0.015	82		8.44	8.49					1							
92659	8.236	0.009	8.016	0.010		0.210	0.013	T	0.23	0.01	L	8.0665	0.0011	0.015	248		8.04	8.09					1							S
92660	9.287	0.021	8.083	0.014		1.030	0.020	T	1.00	0.02	L	8.0929	0.0017	0.010	80		8.07	8.11		C			1							
92661	8.911	0.013	8.498	0.013		0.404	0.015	T	0.47	0.02	L	8.5366	0.0019	0.014	86		8.50	8.56					1							
92662	9.830	0.026	7.778	0.010		1.699	0.022	T	1.72	0.02	L	7.6856	0.0026	0.014	76		7.66	7.71					1							
92663	8.376	0.010	8.249	0.013		0.115	0.015	T	0.13	0.01	L	8.2895	0.0020	0.014	88		8.26	8.32		C			1							
92664	9.598	0.020	8.306	0.012		1.099	0.018	T	1.06	0.02	L	8.3488	0.0015	0.012	82		8.33	8.37		C			1							
92665	9.949	0.023	8.774	0.015		1.008	0.021	T	0.98	0.02	L	8.8033	0.0017	0.014	125		8.78	8.83		C			1							
92666	8.534	0.011	8.025	0.011		0.489	0.012	T	0.56	0.01	L	8.0926	0.0012	0.013	117		8.07	8.11		C			1							S
92667	9.144	0.018	8.990	0.023		0.148	0.027	T	0.16	0.03	L	9.0026	0.0018	0.013	61		8.98	9.03		C			1							
92668	8.855	0.011	7.340	0.006		1.274	0.010	T	1.23	0.01	L	7.3715	0.0009	0.009	114		7.36	7.39		C			1							S
92669	6.216	0.004	6.166	0.004		0.051	0.005	T	0.06	0.00	L	6.1908	0.0006	0.006	82		6.18	6.20					1							S
92670	8.956	0.012	8.661	0.013		0.280	0.017	T	0.32	0.02	L	8.7106	0.0015	0.017	87		8.69	8.74		C			1							
92671	7.229	0.007	7.050	0.007	*	0.171	0.009	T	0.19	0.01	L *	7.0733	0.0014	0.009	86	*	7.06	7.09		D	18530−1623	I 1	2 C A	AB	314	0.367	0.011	2.13	0.04	S
92672	7.154	0.007	6.988	0.007		0.159	0.009	T	0.18	0.01	L	7.0234	0.0013	0.010	105		7.00	7.04					1							S
92673	9.789	0.020	8.346	0.011		1.217	0.018	T	1.18	0.02	L	8.3976	0.0014	0.011	109		8.37	8.42		C			1							
92674	6.583	0.005	6.349	0.004		0.200	0.018	G	0.55	0.02	A	6.3789	0.0012	0.009	90		6.36	6.39					1							S
92675	8.263	0.011	8.161	0.013		0.111	0.015	G	0.12	0.01	H	8.1911	0.0025	0.020	77		8.16	8.22					1							
92676	6.327	0.005	6.190	0.005		0.124	0.006	G	0.14	0.01	H	6.2152	0.0010	0.006	63		6.21	6.23		C			1							S
92677	8.683	0.011	7.517	0.007		1.000	0.010	T	0.98	0.01	L	7.5701	0.0010	0.010	107		7.55	7.59					1 O							S
92678	10.263	0.036	8.766	0.018		1.260	0.032	T	1.22	0.03	L	8.7687	0.0018	0.013	68		8.74	8.79		D			1							
92679	7.864	0.007	7.777	0.009		0.085	0.011	T	0.10	0.01	L	7.8142	0.0012	0.009	90		7.80	7.83					1							S
92680	9.402	0.022	8.503	0.017		0.784	0.021	T	0.82	0.01	L	8.5717	0.0060	0.035	67		8.49	8.61	0.94	P 1 A			1							
92681	8.403	0.007	8.245	0.008		0.144	0.010	T	0.16	0.01	L	8.2837	0.0016	0.018	169		8.25	8.31					1							S
92682	8.442	0.010	6.924	0.005		1.276	0.009	T	1.24	0.01	L	6.9256	0.0010	0.007	88		6.91	6.94			18531−1838	I 1	1							S
92683	8.007	0.009	7.740	0.008		0.254	0.011	T	0.29	0.01	L	7.7811	0.0015	0.014	96		7.76	7.80					1							S
92684	11.470	0.094	8.796	0.017		2.198	0.077	T	2.24	0.08	L	8.5795	0.0026	0.019	92		8.54	8.61					1 S							
92685	10.667	0.062	8.929	0.025		1.450	0.053	T	1.45	0.08	L	8.8964	0.0023	0.013	70		8.86	8.92		C			1							
92686	7.876	0.009	7.446	0.010		0.387	0.003	G	0.45	0.00	H	7.5092	0.0012	0.008	70		7.49	7.53					1							S
92687	6.174	0.005	6.281	0.005		−0.092	0.006	T	−0.07	0.01	L	6.2763	0.0004	0.006	68		6.27	6.29		C			1							S
92688	9.163	0.016	9.128	0.020		0.032	0.023	T	0.05	0.02	L	9.1333	0.0019	0.017	80		9.11	9.16		C			1							
92689	6.047	0.004	5.011	0.003		0.903	0.000	G	0.88	0.03	C	5.0755	0.0004	0.004	104		5.07	5.08					1 G							S
92690	6.823	0.004	6.900	0.004		−0.082	0.002	G	−0.06	0.00	H	6.9079	0.0009	0.010	187		6.89	6.93					1							S
92691	7.673	0.008	7.761	0.008		−0.080	0.015	G	−0.06	0.02	H	7.7573	0.0012	0.012	123		7.74	7.78		C			1 G							S
92692	8.647	0.012	8.157	0.012		0.486	0.015	G	0.56	0.02	H	8.2045	0.0013	0.013	85		8.19	8.22		C			1							S
92693	8.330	0.010	8.161	0.011		0.162	0.014	T	0.18	0.01	L	8.1879	0.0021	0.016	87		8.16	8.22					1							
92694	7.888	0.008	7.780	0.010		0.105	0.012	T	0.12	0.01	L	7.8082	0.0014	0.012	84		7.79	7.83		C			1 S							S
92695	8.704	0.014	8.356	0.015		0.330	0.019	T	0.38	0.03	L	8.3791	0.0013	0.014	78		8.36	8.41		C	18533−1121	I 1	1							S
92696	9.796	0.019	8.447	0.011		1.143	0.017	T	1.11	0.01	L	8.4627	0.0014	0.018	133		8.43	8.49					1							
92697	9.017	0.022	7.734	0.014		1.092	0.020	T	1.05	0.02	L	7.7869	0.0014	0.011	101		7.77	7.80		C			1							S
92698	10.281	0.033	9.676	0.031		0.563	0.033	T	0.64	0.03	L	9.7133	0.0023	0.021	81		9.68	9.76		C			1							
92699	10.323	0.028	9.875	0.030		0.423	0.038	T	0.49	0.04	L	9.8575	0.0054	0.052	224		9.78	9.94	0.25	P 1 A			1							G
92700	8.519	0.009	6.867	0.005		1.407	0.008	T	3.01	0.02	O	6.5041	0.0033	0.064	124		6.44	6.66		U 2 C			1 S							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)														Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ $\alpha*$	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$					F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr															%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28					29	30
92701	18 53 20.26	+25 22 33.0	7.60	H	283.334 402 86	+25.375 835 65		4.01	6.52	−26.14	0.42	0.58	0.79	0.47	0.71	−11	−22	+ 8	+16	+10	− 2	+ 9	+ 7	+ 4	−14					1	1.93
92702	18 53 21.72	+37 35 42.5	8.75	H	283.340 517 70	+37.595 129 62		3.29	5.24	−28.54	0.65	0.71	0.86	0.79	0.89	− 6	+ 2	−14	−11	+ 2	−28	− 2	−16	− 4	+ 2					0	0.48
92703	18 53 21.91	+31 48 21.6	9.58	H	283.341 294 91	+31.805 997 99		0.23	1.83	−0.69	0.94	0.99	1.18	1.20	1.33	+ 5	− 8	+ 4	+38	+15	+ 4	+15	+37	+ 4	−14					0	0.57
92704	18 53 21.96	−45 44 01.4	10.07	H	283.341 500 63	−45.733 710 30		1.93	30.27	−22.38	1.66	1.14	1.81	2.13	1.41	+17	−20	−10	−24	+ 5	− 5	+ 6	−42	− 8	+17					4	−0.48
92705	18 53 24.02	−52 15 17.6	7.65	G	283.350 085 25	−52.254 889 01		7.23	10.03	22.04	0.83	0.62	0.93	1.09	0.77	−18	−18	+ 5	− 1	+17	− 2	+12	−22	+ 8	−27					5	0.37
92706	18 53 24.47	+05 58 17.3	8.61	H	283.351 973 72	+05.971 476 75		1.13	−4.18	−7.06	0.93	0.69	1.04	1.07	0.84	+12	− 9	− 8	−24	+ 6	+ 4	+ 5	−33	+17	+ 9					2	−0.96
92707	18 53 26.11	−64 53 50.6	8.49	H	283.358 797 93	−64.897 379 38		2.36	5.69	−36.17	0.82	0.84	1.12	1.05	0.81	− 9	−16	−13	+14	−11	− 8	−10	−12	+ 1	−16					0	0.02
92708	18 53 26.24	+24 16 40.8	8.45	3 H	283.359 336 48	+24.278 007 71		1.47	−1.29	−3.70	0.50	0.73	1.11	0.52	0.88	−13	−12	+ 2	+32	+27	−14	+27	+ 9	+13	−27					0	1.12
92709	18 53 26.43	−23 59 29.3	8.79	H	283.360 139 66	−23.991 472 87		0.75	5.08	−2.77	1.37	0.74	1.43	1.51	1.10	+20	−49	+ 2	+ 4	−31	+ 5	−28	−51	− 1	+27					0	−0.17
92710	18 53 27.92	+18 01 15.3	7.93	H	283.366 326 86	+18.020 914 61		3.44	−1.59	−6.86	0.61	0.66	0.88	0.67	0.70	+30	−24	−29	+ 8	−11	+20	− 7	− 1	+10	+30					0	−2.19
92711	18 53 27.94	+00 52 13.1	7.99	H	283.366 409 82	+00.870 293 24		3.30	−4.93	−1.78	0.95	0.70	1.08	0.94	0.82	+18	− 6	+10	−44	− 1	− 2	+ 3	−43	−22	+ 5					0	−1.54
92712	18 53 28.48	+34 37 23.1	7.78	H	283.368 685 35	+34.623 091 88		1.67	3.47	−3.87	0.55	0.56	0.72	0.67	0.67	− 8	+ 5	+ 4	+20	+ 7	−16	+ 8	+15	+ 7	−10					0	−0.63
92713	18 53 28.51	+42 54 09.4	6.61	1 H	283.368 773 29	+42.902 621 83		1.89	27.35	−4.01	0.47	0.49	0.56	0.50	0.60	+11	−13	−22	+11	+ 7	+ 4	+ 7	+ 1	+15	+18					0	−0.76
92714	18 53 29.02	+44 07 44.3	7.79	H	283.370 908 87	+44.128 982 74		13.75	32.79	59.68	0.55	0.57	0.64	0.61	0.78	+ 0	+12	− 8	+14	+ 7	+12	+ 9	+22	− 1	+ 9					0	1.33
92715	18 53 29.90	+09 39 30.9	7.40	2 H	283.374 580 20	+09.658 576 77		1.21	1.27	−4.50	0.82	0.66	1.06	0.86	0.70	+13	−36	−21	−10	+12	+ 0	− 2	−31	+34	+10					0	0.07
92716	18 53 31.03	−00 34 13.9	9.34	H	283.379 288 74	−00.570 520 56		0.95	4.54	−8.35	1.04	0.78	1.23	1.18	0.93	+23	−18	+ 0	−29	− 9	− 1	− 9	−43	− 1	+22					0	−0.05
92717 H	18 53 33.20	+75 47 14.4	6.33	H	283.388 312 90	+75.787 322 95	A	3.72	9.25	20.08	0.80	0.69	0.69	0.79	0.86	− 2	−19	+11	−21	+ 8	+ 0	+13	− 6	−21	+ 4					3	1.62
92718	18 53 33.77	+15 15 56.0	9.54	H	283.390 717 92	+15.265 544 00		3.26	5.90	2.22	1.18	1.12	1.40	1.26	1.24	+ 3	−10	−22	−20	+22	+12	+23	− 1	+ 4	+16					0	2.53
92719	18 53 34.81	−67 40 20.6	9.05	H	283.395 030 12	−67.672 385 79		2.47	3.12	−7.65	0.69	0.69	1.07	0.62	0.71	− 2	−19	−10	−39	−20	+ 5	−23	−15	+17	−11					1	0.97
92720	18 53 38.15	+37 59 07.6	7.90	H	283.408 948 82	+37.985 450 04		18.94	−45.76	−83.91	0.64	0.64	0.81	0.74	0.77	− 5	− 8	+ 3	+ 8	− 5	−31	− 4	+ 5	− 5	− 5					0	−0.14
92721	18 53 38.39	−21 03 05.5	8.07	H	283.409 970 35	−21.051 514 21		0.03	−2.12	−6.75	1.02	0.61	1.17	1.31	0.80	− 8	−17	−33	− 5	+26	− 7	+ 9	−47	+28	−44					0	−0.26
92722	18 53 39.73	−68 47 53.2	8.23	H	283.415 551 35	−68.798 110 40		13.71	−26.92	21.44	0.54	0.60	0.81	0.53	0.64	− 7	− 9	− 4	−20	−14	+12	−15	− 8	+ 2	−15					0	−0.04
92723	18 53 40.95	−31 59 31.1	6.80	H	283.420 645 38	−31.991 963 47		4.99	11.35	−14.64	0.87	0.49	0.91	1.18	0.62	− 5	−23	−24	+22	+ 2	− 7	−22	−38	+12	−47					0	0.94
92724	18 53 41.48	+05 27 53.8	9.06	H	283.422 829 03	+05.464 935 19		4.41	−0.11	−15.69	1.10	0.90	1.38	1.29	1.07	− 1	−12	−39	−33	+19	+ 0	+19	−37	+22	+ 3					0	−0.31
92725	18 53 41.71	+14 12 15.8	9.44	H	283.423 794 22	+14.204 394 85		3.71	−2.48	−0.29	1.20	1.02	1.44	1.54	1.46	+ 1	+ 5	−12	+ 5	+22	+33	+31	+17	+ 7	+ 8					0	−2.60
92726 H	18 53 41.82	−05 32 37.7	8.78	G	283.424 265 38	−05.543 814 05	A	12.59	−9.37	−23.62	2.36	1.66	2.21	2.17	1.66	−17	+ 6	−20	−22	+17	+ 4	+12	−47	−12	−24					0	0.70
92727	18 53 42.70	−74 57 29.6	7.41	H	283.427 921 82	−74.958 225 49		5.57	11.72	−21.11	0.44	0.52	0.69	0.48	0.54	− 4	− 4	+ 3	−10	−10	−13	− 9	−19	−10	−10					0	0.07
92728	18 53 43.56	+36 58 18.2	5.58	H	283.431 493 92	+36.971 727 55		3.02	1.49	−2.60	0.44	0.46	0.56	0.49	0.52	− 5	+ 6	−11	− 4	+14	−18	+12	− 6	+ 3	+ 0					0	1.42
92729	18 53 44.69	+60 01 04.4	7.05	H	283.436 228 44	+60.017 877 58		1.31	1.76	−2.26	0.47	0.45	0.48	0.50	0.55	+ 7	+ 4	− 7	+19	+ 9	+ 4	+13	+ 4	+18	+ 8					0	−0.73
92730	18 53 45.84	−69 49 47.1	8.14	H	283.440 999 42	−69.829 758 10		3.49	27.93	7.72	0.44	0.69	1.02	0.52	0.89	−18	− 9	− 3	+49	−20	− 8	−28	+20	+14	−36					0	−1.81
92731	18 53 46.29	+57 29 11.7	6.24	H	283.442 860 73	+57.486 595 38		5.17	21.46	−15.60	0.46	0.48	0.51	0.51	0.67	+ 5	+11	− 4	+14	+ 2	− 7	+ 0	+11	−16	+ 6					0	−0.28
92732	18 53 48.51	+50 04 59.6	8.26	H	283.452 121 61	+50.083 208 67		6.05	8.09	103.39	0.70	0.69	0.77	0.81	0.92	+18	−14	−14	− 2	+ 7	+ 5	+ 6	+ 0	+16	+31					2	0.45
92733	18 53 48.61	−19 47 49.5	6.98	H	283.452 525 20	−19.797 088 40		1.95	−0.91	−16.49	0.83	0.49	0.93	1.04	0.62	− 9	−21	−17	− 2	+14	+23	+ 8	−33	+15	−27					2	0.67
92734	18 53 49.46	−37 58 35.5	9.01	H	283.456 063 91	−37.976 525 73		1.65	−4.14	4.98	1.15	0.71	1.27	1.46	0.90	− 6	−28	−14	+ 7	+13	−10	+ 0	−37	+17	−28					0	0.46
92735	18 53 49.99	−30 25 16.8	12.45	2 H	283.458 280 61	−30.421 332 31		5.37	6.50	−11.66	4.85	2.91	5.38	7.89	4.34	− 5	+ 5	− 3	−13	+12	−35	− 1	−61	+ 9	−31					5	0.45
92736	18 53 50.63	+42 10 15.8	8.58	H	283.460 963 45	+42.171 065 12		3.23	−8.46	−3.53	0.62	0.66	0.76	0.67	0.78	− 2	− 8	− 7	+ 1	+ 8	− 6	+ 7	− 5	+17	+12					0	1.14
92737	18 53 52.45	+35 46 21.8	7.39	H	283.468 530 72	+35.772 729 42		2.51	8.29	−6.68	0.52	0.50	0.62	0.54	0.57	−10	− 3	− 8	+11	+14	− 5	+16	− 6	− 1	− 6					0	0.91
92738	18 53 53.79	+82 22 11.9	6.89	H	283.474 137 84	+82.369 973 90		6.40	18.61	21.45	0.50	0.50	0.55	0.58	0.60	+ 3	−24	+ 9	− 3	+ 0	− 7	+ 3	− 5	+ 7	+16					0	0.95
92739	18 53 54.18	+40 19 25.4	7.85	H	283.475 736 83	+40.323 718 21		4.46	6.45	20.04	0.51	0.53	0.63	0.57	0.64	− 5	−14	− 5	+ 3	+ 7	−14	+ 6	− 3	+ 2	− 1					0	−0.14
92740	18 53 55.95	−09 22 13.1	7.04	H	283.483 120 30	−09.370 303 43		2.09	0.52	−3.04	0.75	0.54	0.90	0.85	0.66	+21	−33	−26	+ 5	+ 1	+29	+ 8	− 3	+ 5	+16					0	1.44
92741	18 53 57.03	+15 15 35.6	8.52	H	283.487 612 42	+15.259 899 24		1.14	−0.16	−0.99	0.99	0.85	1.23	1.35	1.13	+ 7	−25	−37	−24	+11	+24	+23	−16	− 3	−28					0	1.95
92742	18 53 57.19	−54 54 21.1	8.41	H	283.488 291 88	−54.905 874 81		25.75	74.81	−168.53	0.95	0.69	1.07	1.02	0.72	+18	−25	− 2	+36	−33	− 6	−27	− 6	+ 3	+27					2	−0.35
∗92743	18 53 58.84	+06 00 51.7	8.68	H	283.495 163 13	+06.014 374 87		2.46	11.28	−3.12	0.99	0.83	1.17	1.03	0.86	+ 8	−20	−15	−28	+10	+ 3	+ 8	−34	+13	+22					0	0.21
∗92744	18 53 58.83	−60 57 53.6	8.87	H	283.495 125 65	−60.964 887 17		2.58	−11.95	−52.63	0.93	0.74	1.25	1.29	0.98	−26	−12	−10	+43	− 9	− 3	+ 1	+11	+17	+13					0	−1.42
92745	18 53 59.29	+67 07 15.6	7.53	H	283.497 022 94	+67.121 012 88		6.21	0.48	18.68	0.51	0.48	0.54	0.40	0.56	− 8	−22	+11	−51	+11	+16	+ 7	+ 1	− 2	+ 5					1	1.06
92746	18 53 59.93	−04 37 37.8	8.27	H	283.499 703 32	−04.627 156 14		2.56	0.81	−18.32	0.96	0.75	1.14	1.08	0.89	+19	− 3	−16	−13	− 4	+22	− 2	−36	− 8	+ 6					0	−0.05
92747	18 54 00.09	−21 21 35.3	5.68	H	283.500 376 63	−21.359 795 87		1.88	2.02	−20.25	0.83	0.52	0.85	0.99	0.63	−26	− 4	−24	−26	+33	− 8	+28	−50	+21	−41					0	0.42
92748	18 54 00.37	−31 11 55.3	8.67	H	283.501 545 61	−31.198 685 04		1.53	−10.12	6.39	1.30	0.72	1.40	1.51	0.88	+14	−39	−18	+12	+ 1	−11	−21	−44	+14	−26					0	−0.32
92749	18 54 01.21	+36 07 35.0	9.42	H	283.505 030 09	+36.126 379 72		2.56	1.64	−3.29	0.67	0.74	0.87	0.72	0.92	−10	− 3	−10	− 3	+ 6	− 7	+ 6	−15	+ 8	− 8					0	0.81
92750 H	18 54 01.61	−47 16 27.4	6.89	G	283.506 710 87	−47.274 283 74	A	13.37	−8.73	−37.45	1.00	0.72	1.08	1.14	0.79	+21	−14	− 5	−16	+ 6	+12	+ 9	−36	+ 0	+17					1	−0.63
92751	18 54 02.30	+36 51 20.6	8.73	G	283.509 566 31	+36.855 708 34		2.12	0.94	−36.65	0.69	0.82	0.93	0.82	0.99	− 5	− 7	−16	−13	+ 6	−16	+ 4	−26	+ 7	+ 4					0	0.48
92752	18 54 03.94	+20 28 33.4	9.03	H	283.516 427 56	+20.475 946 94		3.36	15.54	11.97	0.66	0.78	1.33	0.88	0.94	−21	−24	+16	+22	−11	− 6	−10	− 6	+ 8	−14					0	−1.14
92753	18 54 04.14	−28 36 36.9	9.37	H	283.517 255 22	−28.610 250 73		9.00	−48.79	−23.55	1.36	0.77	1.55	1.69	1.16	+10	−20	−24	+27	− 3	+ 5	−11	−25	+38	+ 2					0	1.28
92754 H	18 54 04.93	−51 30 57.6	9.74	2 H	283.520 542 67	−51.516 002 85	A	5.09	12.17	−0.77	1.98	1.56	2.13	2.52	1.80	− 4	−20	+ 6	−15	+15	− 9	+13	−40	+ 1	− 9					1	−0.36
92755	18 54 06.30	−54 21 21.5	9.18	G	283.526 247 69	−54.355 960 06	A	29.71	186.66	−50.76	3.16	2.29	2.97	3.14	2.36	+32	−26	− 3	+14	−26	− 7	−25	−21	+ 7	+44					8	2.60
92756	18 54 06.47	−54 21 10.9	10.43	H	283.526 961 06	−54.353 035 10	B	40.13	193.16	−52.91	13.14	9.61	10.43	10.28	7.84	+40	−31	− 7	+ 2	−31	−13	−31	−37	+ 9	+45					8	2.60
92757	18 54 07.63	+15 00 23.0	7.24	H	283.531 810 00	+15.006 384 38	+	16.38	−21.37	−32.12	0.76	0.72	0.95	1.42	1.02	− 6	−17	− 9	− 7	−15	− 3	+15	−37	+ 5	+57					0	0.52
92758	18 54 07.79	−22 34 13.3	7.63	H	283.532 451 43	−22.570 354 20		1.46	−4.40	−7.99	1.01	0.60	1.09	1.27	0.89	+ 6	−26	−15	+ 7	− 9	+ 9	− 6	−40	+11	+14					0	1.13
92759	18 54 08.66	−36 39 23.0	9.79	H	283.536 084 67	−36.656 394 63		26.57	16.84	−67.80	1.70	1.08	1.86	2.82	1.61	+10	+ 3	−10	+ 1	+ 2	−28	−22	−50	+ 8	−38					0	1.67
92760	18 54 09.13	−47 15 47.3	7.31	H	283.538 034 61	−47.263 128 48		4.25	21.83	−21.03	0.74	0.52	0.92	0.89	0.62	+15	−34	−35	− 6	+ 9	+11	+ 5	−36	+16	− 4					0	0.85
92761	18 54 10.18	−22 44 41.4	4.86	1 H	283.542 396 95	−22.744 820 20		1.76	2.95	−5.70	0.84	0.46	0.85	0.98	0.66	−12	−40	+ 4	+18	− 8	+ 9	− 8	−28	− 2	−12					0	0.59
92762 H	18 54 10.26	+13 03 39.1	8.47	G	283.542 731 55	+13.060 861 23	A	2.12	−16.80	−22.67	2.61	2.17	1.64	1.94	1.63	+21	−19	−18	−15	− 1	+36	+ 4	− 9	+ 8	+35					5	1.23
92763 H	18 54 10.87	−13 37 34.5	7.78	H	283.545 301 06	−13.626 247 21	A	3.02	−3.94	−9.85	3.71	1.61	2.03	2.57	1.82	+59	− 2	−10	− 1	−15	+20	− 8	−28	+11	+50					2	0.22
92764	18 54 11.72	+36 54 51.8	8.64	G	283.548 821 53	+36.914 395 64		3.39	3.04	−3.63	0.63	0.75	0.87	0.78	0.92	− 7	− 2	−18	− 5	+ 7	−18	+ 5	−16	+ 8	+ 5					0	0.52
92765	18 54 12.75	+39 22 02.1	9.05	H	283.553 109 44	+39.367 246 63		2.00	4.16	−1.03	0.67	0.71	0.82	0.72	0.88	+ 3	+ 0	+ 5	+11	+13	− 1	+15	− 3	− 2	+ 9					0	−0.16
92766	18 54 12.82	−07 19 30.7	8.94	1 G	283.553 396 89	−07.325 199 24		2.23	−4.29	−8.79	1.15	0.81	1.24	1.39	1.19	+ 2	+ 3	+14	+11	+28	+24	+40	−10	+13	+45					0	−0.12
92767	18 54 13.22	+38 51 23.9	9.30	1 H	283.555 083 38	+38.856 646 51		4.92	2.60	−2.16	0.82	0.89	1.06	1.01	1.16	+ 6	+14	+ 7	+19	+ 7	− 8	+ 6	+ 0	−19	+12					0	−0.05
92768	18 54 13.25	+27 54 34.9	5.64	H	283.555 217 36	+27.909 701 26		8.04	−7.54	−71.21	0.37	0.41	0.56	0.50	0.50	− 7	− 8	+ 4	+23	+ 9	+ 2	+ 7	+10	+12	− 7					0	0.49
92769	18 54 13.57	+36 44 00.4	7.61	H	283.556 534 32	+36.733 457 30		3.21	1.44	−2.70	0.50	0.56	0.65	0.56	0.65	− 1	− 4	−14	− 8	+ 5	−13	+ 3	− 7	+ 8	+ 7					0	0.48
92770	18 54 13.75	−01 32 48.2	8.43	H	283.557 282 23	−01.546 725 57		12.95	2.58	−57.62	0.84	0.60	1.01	0.81	0.64	+15	−26	−18	−19	+23	+ 8	+21	−19	+16	+ 2					0	0.19
92771	18 54 14.33	+41 13 32.7	7.32	G	283.559 687 98	+41.225 744 37		9.25	43.91	20.25	0.48	0.50	0.57	0.51	0.56	+ 7	−10	− 6	+13	+ 9	− 6	+ 9	− 2	+ 3	+ 9					0	−0.80
92772	18 54 14.84	+02 58 31.2	8.57	H	283.561 849 99	+02.975 338 48		2.32	5.80	−7.64	0.93	0.69	1.12	0.92	0.76	+13	−24	−16	−34	+ 6	+17	+ 9	−37	− 5	−13					0	0.51
92773	18 54 15.71	−75 49 02.7	8.49	H	283.565 469 31	−75.817 415 57		16.18	63.66	3.40	0.65	0.68	0.93	0.77	0.70	−12	−22	− 7	+20	+ 3	− 2	+ 1	− 7	− 4	−20					0	−0.37
92774	18 54 16.09	−59 05 40.0	8.76	H	283.567 035 36	−59.094 457 28		9.64	−27.84	−77.41	0.91	0.83	1.22	1.02	1.16	+ 0	−26	−10	+14	−17	+ 9	−21	−24	+20	+ 5					0	0.97
92775	18 54 16.92	+42 58 58.2	9.96	H	283.570 515 35	+42.982 820 48		1.15	38.92	254.22	0.87	0.88	1.04	0.86	1.19	− 2	−16	− 1	+ 5	+ 5	+13	+ 2	+ 8	+21	+13					0	−1.69
92776	18 54 18.01	−19 55 58.7	8.30	2 H	283.575 026 61	−19.932 975 00		−0.37	−1.84	−4.68	1.11	0.71	1.20	1.21	0.82	+ 3	−10	− 7	−11	+ 8	+ 0	+ 2	−44	+ 9	−11					2	1.40
92777	18 54 20.84	−40 49 20.9	9.13	H	283.586 818 75	−40.822 478 61		4.99	15.44	−5.68	1.23	0.84	1.52	1.66	1.10	+ 8	−22	−25	− 8	+29	−16	+14	−49	+27	−14					0	−1.45
92778	18 54 21.85	+13 23 23.3	7.22	H	283.591 043 68	+13.389 798 78		1.45	0.51	−17.85	0.83	0.66	0.91	1.18	0.92	+17	− 1	− 2	+14	+27	− 1	+26	+10	+22	+18					0	−0.08
92779	18 54 21.92	+10 48 29.9	6.54	H	283.591 338 45	+10.808 313 28		2.56	12.00	8.54	0.75	0.54	0.87	0.72	0.57	− 1	−35	−28	−17	+17	− 6	+ 4	−40	+31	−11					0	1.12
92780	18 54 22.78	−24 46 08.3	7.31	H	283.594 913 15	−24.768 971 59		2.99	−0.82	−7.09	0.99	0.50	1.04	1.18	0.74	− 7	−38	+ 7	+21	− 9	+ 9	− 7	−34	− 6	− 5					0	−0.80
92781	18 54 23.28	−04 36 14.8	9.05	H	283.597 002 38	−04.604 124 15		11.85	−133.01	−430.75	1.27	0.91	1.52	1.53	1.29	+38	+ 0	+ 6	−31	−17	+ 5	−18	−46	−22	+27					0	0.29
92782	18 54 23.77	+71 17 49.5	4.82	H	283.599 026 16	+71.297 089 56		9.47	48.59	42.11	0.46	0.39	0.46	0.49	0.45	− 1	−22	+11	−19	− 5	− 1	− 7	+ 6	+ 0	+ 7					3	1.27
92783	18 54 24.50	−13 00 21.0	9.03	H	283.602 086 44	−13.005 831 69		−0.09	−5.98	−3.63	1.26	0.79	1.36	1.72	1.24	+29	−20	−18	+28	+10	+25	+10	− 3	+17	+24					2	1.19
92784	18 54 26.74	−27 49 59.9	8.80	H	283.611 437 35	−27.833 313 37		3.99	7.09	−11.05	1.20	0.62	1.20	1.50	0.85	−16	−40	−10	+20	+ 7	− 3	− 6	−25	+ 5	−45					0	0.37
92785	18 54 28.19	+20 21 35.6	7.18	H	283.617 475 46	+20.359 879 85		3.24	12.79	9.65	0.50	0.53	0.84	0.63	0.60	−25	− 6	− 3	+18	− 8	− 5	− 5	− 8	+19	−13					0	−1.74
92786	18 54 28.28	−60 37 18.0	7.84	H	283.617 813 30	−60.621 661 02		3.40	6.87	−16.73	0.80	0.68	1.19	1.32	0.93	−12	−13	−14	+34	+ 3	−24	− 1	+16	+24	+ 3					0	−0.32
92787	18 54 28.96	+10 37 57.2	7.31	2 H	283.620 669 84	+10.632 548 12		0.95	1.47	−13.90	0.79	0.62	0.98	0.85	0.71	+ 6	−33	−33	−18	+12	− 6	− 2	−36	+34	−14					0	2.01
92788	18 54 29.10	−45 29 10.5	6.65	G	283.621 269 95	−45.486 258 70		0.39	3.98	−3.73	0.68	0.45	0.75	0.88	0.56	+ 2	−22	−16	− 4	+15	− 6	+ 9	−37	+ 7	−12					0	−1.06
∗92789 H	18 54 29.74	+18 36 54.8	8.83	G	283.623 935 69	+18.615 218 98	A	1.47	10.33	25.73	1.19	1.13	1.68	1.28	1.27	+16	−34	−15	+14	−30	+17	−37	−14	+36	+18					1	0.54
∗92790	18 54 29.74	+52 42 04.5	7.54	H	283.623 912 64	+52.701 239 65		4.58	4.89	13.70	0.55	0.57	0.62	0.62	0.79	+ 0	−16	+10	+ 7	− 2	−11	− 3	+23	+10	+ 8					2	0.18
∗92791	18 54 30.29	+36 53 55.0	4.22	2 H	283.626 202 94	+36.898 605 18		3.63	−6.73	3.26	0.43	0.46	0.56	0.47	0.51	−13	+ 5	−18	− 3	+13	−26	+10	− 9	+ 4	− 9					0	2.26
∗92792	18 54 30.25	−19 55 48.2	9.17	2 G	283.626 023 05	−19.930 059 76		0.05	−4.71	−4.37	1.45	0.91	1.57	1.67	1.10	+ 4	−22	− 7	−21	+12	+11	+ 4	−51	+ 5	−21					0	0.85
92793	18 54 30.45	+58 44 08.9	7.70	G	283.626 867 25	+58.735 810 08		12.38	−26.54	−84.04	0.53	0.52	0.55	0.58	0.59	+ 5	−10	+ 3	+12	+ 6	+ 0	+ 8	− 7	+ 2	+15					1	−0.80
∗92794	18 54 30.59	+01 53 51.5	7.44	H	283.627 453 94	+01.897 634 37		11.82	5.78	−61.16	0.82	0.62	0.95	0.82	0.69	+29	− 9	− 2	−37	−20	+ 5

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data										Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″		ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65		66	67	68-70
92701	8.834	0.012	7.707	0.008		0.970	0.011	T	0.95	0.01	L	7.7620	0.0010	0.012	195		7.74	7.78		C	18533+2523	I 1	1							S
92702	10.081	0.027	8.927	0.017		0.991	0.025	T	0.97	0.02	L	8.9180	0.0017	0.014	102		8.89	8.93		C			1 S							
92703	11.117	0.047	9.731	0.023		1.172	0.041	T	1.13	0.04	L	9.7457	0.0031	0.030	129		9.68	9.80					1							G
92704	10.770	0.052	10.192	0.051		0.540	0.065	T	0.61	0.07	L	10.1881	0.0027	0.026	69		10.14	10.23		D			1							G
92705	8.014	0.010	7.678	0.011		0.302	0.014	G	0.35	0.02	H	7.7399	0.0020	0.012	71		7.72	7.76		C			1							S
92706	9.117	0.014	8.650	0.014		0.440	0.018	T	0.51	0.02	L	8.7051	0.0017	0.014	87		8.68	8.73		C			1							
92707	9.988	0.025	8.603	0.014		1.172	0.022	T	1.13	0.02	L	8.6620	0.0026	0.018	94		8.64	8.70					1							
92708	8.459	0.007	8.470	0.009		−0.005	0.010	T	0.02	0.01	L	8.4541	0.0013	0.023	212		8.42	8.83		P 1 A			1							
92709	9.353	0.020	8.853	0.020		0.498	0.020	G	0.57	0.02	H	8.9021	0.0030	0.019	82		8.87	8.94					1							
92710	7.898	0.006	7.935	0.010		−0.029	0.011	T	−0.01	0.01	L	7.9340	0.0017	0.014	108		7.91	7.96					1							S
92711	8.120	0.011	7.993	0.011		0.123	0.015	T	0.14	0.01	L	8.0366	0.0015	0.012	81		8.01	8.05					1							S
92712	9.169	0.014	7.899	0.009		1.082	0.013	T	1.04	0.01	L	7.9435	0.0012	0.013	145		7.92	7.96			18535+3437	I 1	1							
92713	8.722	0.011	6.796	0.005		1.599	0.010	T	1.62	0.01	L	6.7214	0.0020	0.018	112		6.70	6.76		U 2			1							S
92714	8.329	0.009	7.839	0.009		0.461	0.012	T	0.53	0.01	L	7.8952	0.0010	0.009	114		7.88	7.91					1							S
92715	9.758	0.025	7.653	0.010		1.781	0.022	T	2.75	0.03	O	7.3745	0.0055	0.038	70		7.32	7.46		U 2			1 S							S
92716	9.572	0.018	9.332	0.022		0.229	0.027	T	0.25	0.03	L	9.4101	0.0022	0.019	98		9.38	9.45		C			1							D
92717	6.307	0.004	6.284	0.006	*	0.021	0.006	T	0.04	0.01	L *	6.3444	0.0008	0.008	119	*	6.33	6.36		D	18535+7547	I 1	2 C A	AB	218	5.651	0.002		0.77	0.01	S
92718	11.321	0.078	9.737	0.032		1.328	0.066	T	1.29	0.08	L	9.6894	0.0034	0.024	77		9.65	9.72					1							G
92719	9.053	0.011	9.042	0.014		0.011	0.016	T	0.03	0.01	L	9.0607	0.0017	0.025	205		9.03	9.11					1							
92720	8.728	0.011	7.968	0.009		0.669	0.015	G	0.73	0.01	H	8.0344	0.0020	0.015	111		8.02	8.07					1							S
92721	8.767	0.014	8.156	0.013		0.567	0.014	T	0.64	0.01	L	8.1941	0.0017	0.017	71		8.17	8.22					1							S
92722	8.770	0.009	8.283	0.009		0.470	0.010	T	0.54	0.01	L	8.3314	0.0014	0.019	169		8.30	8.37					1							S
92723	8.895	0.014	6.979	0.006		1.591	0.012	T	1.61	0.01	L	6.9117	0.0011	0.007	74		6.90	6.93		C			1							S
92724	10.678	0.036	9.198	0.019		1.246	0.032	T	1.20	0.03	L	9.2202	0.0020	0.023	89		9.19	9.26		C			1							
92725	9.633	0.026	9.472	0.033		0.155	0.039	T	0.17	0.04	L	9.4892	0.0032	0.022	61		9.45	9.53		C			1							G
92726	9.771	0.025	8.922	0.020	*	0.720	0.015	G	0.77	0.01	H *	8.8839	0.0014	0.017	69	*	8.85	8.92		D	18537−0533	I 1	2 C A	AB	144	0.879	0.008		1.27	0.03	
92727	7.359	0.004	7.401	0.006		−0.035	0.006	T	−0.01	0.01	L	7.4024	0.0009	0.011	170		7.38	7.42		C			1							S
92728	5.395	0.002	5.555	0.003		−0.138	0.003	T	−0.13	0.00	L	5.5377	0.0008	0.007	123		5.53	5.55			18538+3659	I 1	1							S
92729	6.872	0.004	7.021	0.006		−0.128	0.006	T	−0.12	0.01	L	7.0109	0.0011	0.010	108		6.99	7.03					1							S
92730	9.614	0.010	8.269	0.006		1.140	0.009	T	1.10	0.01	L	8.3086	0.0014	0.021	302		8.28	8.34					1							
92731	7.848	0.009	6.372	0.004		1.243	0.008	T	1.20	0.01	L	6.3976	0.0007	0.006	112		6.39	6.41		C			1							S
92732	9.698	0.020	8.379	0.012		1.120	0.018	T	1.08	0.02	L	8.4300	0.0016	0.014	103		8.41	8.45					1							
92733	8.699	0.019	7.094	0.010		1.450	0.015	G	1.45	0.02	H	7.1133	0.0016	0.011	63		7.10	7.14					1							S
92734	10.922	0.059	9.187	0.024		1.500	0.040	G	1.53	0.06	R	9.1375	0.0027	0.020	94		9.11	9.17					1							
92735											T	12.5952	0.0237	0.126	53		12.28	12.74		U			1							G
92736	8.796	0.011	8.616	0.012		0.172	0.015	T	0.19	0.01	L	8.6349	0.0017	0.019	116		8.61	8.66					1							
92737	9.446	0.016	7.574	0.007		1.556	0.014	T	1.57	0.01	L	7.5075	0.0011	0.012	126		7.49	7.53		C			1							S
92738	6.907	0.005	6.901	0.006		0.010	0.007	T	0.03	0.01	L	6.9042	0.0008	0.007	108		6.89	6.92		C			1							S
92739	8.310	0.011	7.893	0.009		0.397	0.001	G	0.46	0.00	H	7.9421	0.0008	0.009	133		7.93	7.96		C			1							S
92740	7.498	0.008	7.086	0.008		0.383	0.015	G	0.45	0.02	H	7.1288	0.0014	0.008	77		7.12	7.14		C			1							S
92741	8.666	0.012	8.567	0.015		0.097	0.018	T	0.11	0.02	L	8.5542	0.0031	0.021	77		8.52	8.59			18539+1516	I 1	1 G							
92742	9.515	0.019	8.488	0.014		0.884	0.018	T	0.89	0.01	L	8.5543	0.0013	0.014	104		8.52	8.58		C			1							
92743	11.152	0.059	8.927	0.016		1.837	0.049	T	1.87	0.05	L	8.7778	0.0024	0.017	84		8.75	8.81		C			1							
92744	10.349	0.026	8.991	0.014		1.150	0.023	T	1.11	0.02	L	9.0323	0.0017	0.017	127		9.00	9.07		C			1							
92745	7.579	0.008	7.532	0.007		0.048	0.010	T	0.06	0.01	L	7.5496	0.0010	0.009	116		7.53	7.56		C			1							S
92746	8.363	0.010	8.256	0.012		0.104	0.015	T	0.12	0.02	L	8.3070	0.0017	0.013	69		8.28	8.33		C			1							
92747	7.259	0.007	5.816	0.004		1.206	0.045	G	1.19	0.03	G	5.8432	0.0008	0.005	72		5.83	5.86					1							S
92748	10.606	0.042	8.824	0.017		1.484	0.036	T	1.50	0.05	L	8.8041	0.0024	0.016	81		8.77	8.83					1							
92749	9.947	0.026	9.438	0.026		0.489	0.028	T	0.56	0.03	L	9.5325	0.0021	0.022	124		9.49	9.56					1							
92750	7.554	0.008	7.058	0.008	A	0.508	0.015	G	0.58	0.02	H *	6.9931	0.0007	0.009	87	*	6.98	7.01		D	18541−4716	I 2	2 C A	AB	189	1.784	0.005		1.90	0.02	S
92751	10.061	0.066	8.874	0.042		1.025	0.028	G	1.00	0.02	H	8.8801	0.0022	0.018	118		8.85	8.91					1							
92752	9.471	0.014	9.071	0.014		0.378	0.018	T	0.44	0.02	L	9.1167	0.0020	0.025	173		9.07	9.17					1							
92753	10.071	0.030	9.431	0.027		0.588	0.030	T	0.66	0.03	L	9.4919	0.0028	0.019	73		9.45	9.54		C			1							
92754	10.469	0.045	9.782	0.038	A						T *	9.8276	0.0037	0.031	68	*	9.78	10.02		U 2	18541−5131	I 1	2 C C	AB	140	3.138	0.050		3.40	0.23	
92755	10.636	0.052	9.225	0.026	A	1.130	0.015	G	1.22	0.02	I	9.2562	0.0081	0.027	92	A	9.22	9.32		D	18541−5421	I 2	1 C P A							
92756	11.605	0.142	10.231	0.063	B	1.270	0.020	G	1.44	0.03	I	10.5457	0.0237			B				D	18541−5421	I 2	1 C I A							
92757	7.763	0.007	7.300	0.009		0.450	0.009	T	0.52	0.01	L	7.3426	0.0012	0.008	79		7.32	7.36		C			1 O							S
92758	7.697	0.011	7.631	0.014		0.070	0.015	G	0.08	0.02	H	7.6576	0.0018	0.013	59		7.64	7.68					1							S
92759	11.009	0.076	9.887	0.045		0.958	0.070	T	0.95	0.05	L	9.9383	0.0055	0.026	61		9.90	9.97					1							G
92760	7.348	0.007	7.306	0.008		0.043	0.010	T	0.06	0.01	L	7.3301	0.0008	0.008	85		7.31	7.34		C	18541−4716	I 2	1							S
92761	6.683	0.006	5.010	0.003		1.412	0.004	G	1.35	0.00	A	5.0022	0.0022	0.008	55		4.99	5.01		M	18542−2245	I 1	1							S
92762	10.411	0.039	8.644	0.017	*	1.508	0.015	G	1.54	0.02	I *	8.6112	0.0018	0.014	65	*	8.59	8.63		D	18542+1304	H 1	2 C B	AB	325	0.360	0.041		3.12	0.16	
92763	7.982	0.010	7.809	0.010	*	0.166	0.013	T	0.18	0.01	L *	7.8375	0.0013	0.009	66	*	7.82	7.86		D	18542−1338	I 1	2 C A	AB	258	0.364	0.004		0.35	0.06	S
92764	8.764	0.016	8.673	0.020		0.088	0.008	G	0.10	0.01	H	8.6566	0.0019	0.017	116		8.63	8.68					1							
92765	9.139	0.013	9.046	0.016		0.091	0.019	T	0.10	0.02	L	9.0839	0.0020	0.017	122		9.06	9.11					1							
92766	9.172	0.019	9.030	0.024		0.224	0.020	G	0.25	0.02	H	9.0072	0.0049	0.025	69		8.98	9.06		U			1							
92767	9.410	0.016	9.299	0.020		0.108	0.024	T	0.12	0.03	L	9.3402	0.0035	0.025	111		9.30	9.38		U			1							
92768	7.427	0.005	5.798	0.003		1.361	0.003	G	1.33	0.00	H	5.7947	0.0008	0.008	163		5.78	5.81					1							S
92769	7.462	0.007	7.601	0.008		−0.109	0.002	G	−0.09	0.00	H	7.5770	0.0012	0.010	128		7.56	7.59		C			1							S
92770	9.013	0.013	8.483	0.013		0.497	0.017	T	0.57	0.02	L	8.5354	0.0016	0.016	111		8.51	8.56					1							
92771	7.892	0.007	7.389	0.006		0.510	0.007	G	0.58	0.01	H	7.4375	0.0009	0.010	129		7.42	7.45		C			1							S
92772	8.736	0.012	8.593	0.014		0.138	0.017	T	0.15	0.02	L	8.6180	0.0019	0.014	70		8.59	8.65		C			1							
92773	9.234	0.012	8.559	0.011		0.614	0.012	T	0.68	0.01	L	8.6201	0.0017	0.019	153		8.58	8.66					1							
92774	9.301	0.021	8.817	0.021		0.468	0.023	T	0.54	0.02	L	8.8627	0.0031	0.015	63		8.84	8.88					1							
92775	10.699	0.043	10.000	0.036		0.644	0.046	T	0.71	0.04	L	10.0899	0.0025	0.026	112		10.04	10.13					1							G
92776	8.287	0.014	8.313	0.019		0.031	0.004	G	0.05	0.00	H	8.3143	0.0055	0.035	58		8.27	8.38	0.74	P 1 A			1							
92777	9.561	0.019	9.178	0.020		0.374	0.024	T	0.44	0.03	L	9.2205	0.0020	0.018	92		9.18	9.26		C			1							
92778	7.286	0.006	7.215	0.008		0.070	0.009	T	0.08	0.01	L	7.2463	0.0009	0.008	60		7.23	7.26		C			1							S
92779	8.258	0.013	6.695	0.006		1.311	0.011	T	1.27	0.01	L	6.6984	0.0006	0.008	71		6.69	6.72		D			1							S
92780	7.445	0.007	7.330	0.010		0.111	0.011	T	0.12	0.01	L	7.3580	0.0013	0.009	76		7.34	7.38					1							S
92781	9.763	0.026	9.127	0.024		0.586	0.009	G	0.66	0.01	H	9.1785	0.0018	0.019	78		9.15	9.22					1							
92782	6.303	0.003	4.949	0.002		1.151	0.003	G	1.10	0.03	C	4.9895	0.0005	0.005	100		4.98	5.00					1							S
92783	11.363	0.093	9.274	0.026		1.767	0.080	T	2.63	0.09	O	9.0366	0.0046	0.029	65		8.98	9.07					1							
92784	9.450	0.020	8.894	0.019		0.526	0.020	T	0.60	0.02	L	8.9147	0.0026	0.018	73		8.89	8.94		C			1							
92785	8.574	0.008	7.304	0.005		1.082	0.007	T	1.04	0.01	L	7.3471	0.0010	0.011	161		7.32	7.37		C			1							S
92786	9.970	0.021	8.025	0.009		1.614	0.018	T	1.64	0.02	L	7.9535	0.0022	0.020	111		7.92	7.98					1							
92787	9.458	0.020	7.609	0.009		1.570	0.018	T	3.16	0.03	O	7.1653	0.0093	0.056	72		7.02	7.28		U 2			1 S							
92788	6.566	0.005	6.645	0.006		−0.081	0.008	G	−0.06	0.01	H	6.6297	0.0012	0.011	82		6.61	6.65					1							S
92789	10.832	0.047	8.991	0.016	A	1.653	0.218	G	1.66	0.24	R *	8.9006	0.0022	0.022	136	*	8.87	8.93			18545+1837	H 1	2 C D	AB	92	3.988	0.087		4.32	0.36	D
92790	8.803	0.013	7.643	0.009		0.996	0.012	T	0.97	0.01	L	7.7052	0.0011	0.011	95		7.69	7.73		C			1							S
92791	6.318	0.009	4.463	0.007		1.575	0.009	T	2.60	0.03	O	4.2177	0.0053	0.054	108		4.13	4.31		U 2	18545+3654	I 1	1							S
92792	9.206	0.024	9.167	0.033		0.051	0.014	G	0.06	0.01	H	9.1922	0.0025	0.020	50		9.13	9.24		U			1							G
92793	8.132	0.012	7.715	0.010		0.386	0.023	G	0.45	0.03	H	7.7822	0.0010	0.008	108		7.76	7.80		C			1							S
92794	7.893	0.007	7.471	0.009		0.399	0.011	T	0.46	0.01	L	7.5271	0.0009	0.009	94		7.51	7.55			18546+0154	I 2	1							S
92795	9.214	0.014	8.696	0.014		0.496	0.015	T	0.57	0.02	L	8.7447	0.0015	0.014	108		8.72	8.77		C			1							
92796	10.517	0.051	8.926	0.024		1.160	0.040	G	1.12	0.04	R	9.0039	0.0030	0.020	58		8.98	9.07		C			1							
92797	10.094	0.029	8.475	0.014		1.356	0.025	T	1.32	0.03	L	8.4568	0.0030	0.017	72		8.43	8.48					1							
92798	11.382	0.128	10.241	0.080		0.973	0.120	T	1.02	0.11	L	10.1436	0.0036	0.025	62		10.09	10.18		C			1							G
92799	6.691	0.006	6.597	0.006		0.085	0.008	T	0.10	0.01	L	6.6180	0.0012	0.007	67		6.60	6.63		C			1							S
92800	6.910	0.005	6.785	0.005	*	0.121	0.007	T	0.14	0.01	L *	6.8959	0.0008	0.010	205	*	6.88	6.91		D	18545+2037	I 1	2 C A	AB	291	1.988	0.003		1.75	0.02	S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25		Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ	π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg	mas	mas/yr		mas		mas	mas/yr											%	
1 2	3	4	5	6 7	8	9 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
92801	18 54 33.14	+11 28 30.1	9.53	H	283.638 063 57	+11.475 018 46	6.67	−9.00	24.84	1.98	1.29	2.37	1.96	1.49	+32	−55	−35	−13	− 2	+23	− 2	−14	+12	− 5	3	0.55
92802	18 54 33.87	−42 06 59.6	9.15	H	283.641 116 62	−42.116 563 98	3.62	12.71	−11.54	1.49	0.90	1.64	1.76	1.18	−21	−43	+12	−36	+36	+ 5	+39	−61	−22	−25	0	−0.07
92803	18 54 34.02	+18 10 28.7	9.30	H	283.641 767 69	+18.174 634 70	6.70	20.01	−26.08	0.85	0.94	1.33	0.92	0.99	+32	−32	−37	+ 0	−13	+19	−11	− 7	+15	+31	0	0.14
92804	18 54 34.90	−39 55 42.6	8.83	H	283.645 420 78	−39.928 494 32	4.68	−9.83	−13.76	1.13	0.74	1.26	1.52	1.06	+ 8	−17	− 4	− 1	+26	−10	+27	−33	+11	+15	0	0.53
92805	18 54 35.39	−28 42 13.5	8.28	H	283.647 467 17	−28.703 748 25	1.79	1.27	1.22	1.15	0.66	1.24	1.34	0.80	+14	−36	−29	+26	− 3	−12	−25	−33	+18	−24	0	0.93
92806	18 54 35.93	+09 41 08.8	7.38	H	283.649 708 93	+09.685 767 31	6.26	−34.23	−33.31	0.76	0.62	0.93	0.79	0.62	+ 2	−35	−12	+ 2	+25	− 9	+11	−19	+26	− 1	0	−0.55
92807	18 54 36.42	+01 53 15.0	7.40	H	283.651 757 24	+01.887 510 06	3.44	0.11	−13.80	0.85	0.64	0.96	0.83	0.71	+27	− 8	− 2	−38	−22	+ 3	−24	−48	−23	+ 5	0	−1.17
92808	18 54 38.09	−26 53 24.2	7.80	H	283.658 716 88	−26.890 053 67	2.07	−1.25	−4.97	0.97	0.56	1.06	1.29	0.75	− 7	−17	+ 4	+ 4	+ 4	−19	− 5	−47	− 6	−27	4	1.10
92809 H	18 54 38.15	+30 19 45.7	9.14	G	283.658 979 16	+30.329 356 95 A	3.80	−6.46	−3.42	1.22	1.32	1.48	1.22	1.63	+ 9	− 8	+12	+45	+ 0	− 2	− 3	+20	+ 9	+ 4	0	0.93
92810	18 54 38.22	−39 33 43.8	8.70	H	283.659 230 78	−39.562 178 29	4.36	3.86	−14.53	1.07	0.67	1.26	1.29	0.87	+25	−34	−13	+ 6	+26	+ 9	+19	−25	+20	+23	1	0.59
92811	18 54 39.01	−00 44 11.0	9.31	H	283.662 522 96	−00.736 392 42	0.35	6.42	−2.26	1.03	0.75	1.24	1.11	0.88	+28	−23	−18	−15	+ 9	+ 2	+ 3	−32	+19	+12	0	−0.80
92812	18 54 40.00	−40 34 48.3	7.84	H	283.666 681 50	−40.580 094 17	5.33	−0.08	2.57	0.92	0.64	1.10	1.25	0.81	+ 0	−23	−22	− 6	+35	−14	+22	−40	+21	−18	0	−0.61
92813	18 54 40.89	+19 50 33.5	7.73	H	283.670 383 29	+19.842 626 16	5.51	−13.21	−11.43	0.52	0.57	0.91	0.64	0.63	−16	−26	−14	+ 0	−26	+13	−25	−28	+32	− 6	0	−0.69
92814	18 54 43.12	−15 36 10.9	5.08	H	283.679 647 04	−15.603 022 17	1.96	−2.38	−5.64	0.65	0.41	0.75	0.68	0.47	+ 3	−34	− 6	− 4	− 6	+31	+ 1	−28	−18	− 6	0	−0.95
92815	18 54 43.75	−50 10 07.5	8.57	H	283.682 311 55	−50.168 762 30	0.39	6.64	−23.54	1.15	0.88	1.25	1.41	0.97	+35	−31	−16	−12	−23	−12	−29	−45	+ 4	+11	0	1.12
92816	18 54 44.08	−43 42 55.4	8.95	H	283.683 648 33	−43.715 385 11	2.92	2.70	−4.34	1.16	0.79	1.35	1.50	0.96	+25	−18	−12	+ 3	+ 6	+ 0	− 1	−41	+ 6	+13	0	−0.57
*92817	18 54 45.20	−82 25 05.0	10.79	G	283.688 324 34	−82.418 051 55	6.99	−351.03	8.58	5.16	5.28	6.60	5.48	6.19	−12	−31	+10	−17	+ 9	+12	+12	−24	−19	−17	4	
*92818	18 54 44.88	+22 38 42.3	4.57	H	283.687 004 83	+22.645 073 57 +	6.71	6.40	1.03	0.36	0.43	0.63	0.48	0.52	+ 1	−12	−12	+ 1	+ 0	+ 5	+ 0	−15	+19	+ 6	0	2.08
*92819	18 54 44.98	+03 28 06.6	8.24	H	283.687 403 00	+03.468 490 35	1.58	−3.28	−16.39	0.88	0.74	1.09	0.86	0.76	− 1	− 2	−28	−39	+16	− 4	+15	−47	+22	− 8	2	1.83
92820	18 54 45.94	−48 56 51.8	7.22	H	283.691 423 68	−48.947 715 00	6.21	11.54	−9.84	0.87	0.58	0.94	1.12	0.68	+11	−28	− 6	− 7	−12	− 3	−14	−40	− 3	− 6	0	0.98
92821	18 54 46.53	+07 56 45.7	8.66	H	283.693 866 42	+07.946 018 04	3.49	−24.51	−26.20	0.96	0.80	1.22	1.22	1.01	+ 1	−15	−36	− 6	+18	− 8	+11	−23	+30	− 1	0	0.66
92822	18 54 47.17	+48 51 35.0	5.84	H	283.696 538 95	+48.859 723 53	18.89	−49.54	−132.66	0.43	0.46	0.48	0.50	0.58	+15	− 9	− 4	−14	−15	+ 3	−15	−22	+ 4	+30	1	2.79
92823	18 54 47.32	−19 51 48.8	9.24	H	283.697 157 13	−19.863 561 56	1.82	−1.42	−5.85	1.51	0.91	1.65	1.57	1.07	+ 5	−28	−15	−23	+ 8	+ 3	+ 3	−47	+15	− 8	0	1.93
92824	18 54 47.65	−87 36 19.9	5.29	H	283.698 535 01	−87.605 514 87	13.06	−36.69	−135.22	0.44	0.46	0.54	0.54	0.53	− 7	− 5	−25	+ 3	+ 4	− 5	+ 4	+11	+13	−24	1	0.38
92825	18 54 48.26	+15 20 33.7	7.08	H	283.701 086 00	+15.342 700 55	6.04	−0.38	−10.51	0.69	0.61	0.84	0.81	0.69	+10	−10	−34	+ 2	+28	+12	+30	− 4	+30	+19	0	−0.08
92826	18 54 50.24	+01 11 51.4	9.38	H	283.709 344 49	+01.197 610 29	10.80	−31.97	6.64	1.34	0.98	1.38	1.31	1.12	+44	−27	−17	−41	−28	+ 7	−27	−52	− 2	+35	0	−0.26
92827	18 54 50.93	+30 01 57.9	7.62	H	283.712 187 96	+30.032 760 52	5.55	20.59	21.77	0.50	0.60	0.74	0.54	0.83	+ 2	+ 7	+ 1	+22	− 1	− 9	− 1	+14	+ 5	− 2	0	2.71
92828	18 54 51.72	−34 15 02.0	9.45	H	283.715 500 38	−34.250 543 77	10.60	46.07	−2.21	1.41	0.79	1.47	1.66	1.13	− 8	−34	−12	+19	+ 3	+ 0	− 2	−18	+20	−10	0	0.21
*92829	18 54 51.86	+33 58 51.4	7.68	G	283.716 073 10	+33.980 951 11	2.70	−4.09	−2.20	0.56	0.54	0.73	0.72	0.64	− 6	+ 3	−14	− 7	+15	−30	+12	+ 5	+11	−12	1	−0.04
*92830	18 54 51.82	+07 24 03.2	8.63	H	283.715 907 87	+07.400 875 90	5.16	12.78	5.23	1.03	0.76	1.17	1.11	0.83	+12	−33	− 3	− 3	+ 0	−10	− 5	−31	+10	+ 5	2	1.25
92831	18 54 52.18	+41 36 09.8	5.46	H	283.717 409 21	+41.602 728 14	12.19	−1.37	−2.30	0.42	0.43	0.50	0.45	0.49	− 1	−12	− 9	+ 4	+ 7	− 8	+ 7	− 1	− 2	+ 4	0	−0.04
92832	18 54 52.36	+31 08 49.8	7.28	1 H	283.718 174 43	+31.147 167 32	2.60	−1.66	5.67	0.50	0.55	0.69	0.66	0.76	+ 1	−13	− 1	+32	+ 1	+ 2	+ 1	+35	+ 8	−10	0	1.22
92833 H	18 54 52.52	+33 58 06.9	5.99	G	283.718 836 69	+33.968 580 48 A	2.45	−5.60	−1.78	0.50	0.50	0.60	0.58	0.55	− 3	− 7	−16	+ 6	+11	−22	+ 7	+ 9	+13	−13	1	−0.11
92834	18 54 52.97	−21 57 14.3	9.42	G	283.720 718 56	−21.953 965 17	7.47	15.21	−16.39	1.48	0.89	1.63	1.71	1.38	+ 2	− 7	−19	− 5	+16	− 2	+25	−36	+31	+22	0	−0.03
92835	18 54 53.46	+51 18 29.1	7.96	2 H	283.722 744 65	+51.308 072 91	12.45	23.35	83.40	0.63	0.65	0.72	0.77	0.90	+ 7	−20	−22	+ 3	+ 3	−12	− 2	+ 1	+11	+11	0	0.77
92836	18 54 53.79	+10 58 54.8	9.96	3 H																						
92837	18 54 54.37	+01 07 18.0	7.39	2 G	283.726 558 44	+01.121 671 88	11.85	−18.18	−35.05	0.83	0.60	0.94	0.85	0.69	+24	−18	+ 9	−33	−12	− 4	−12	−48	−18	+ 7	0	0.12
92838	18 54 54.68	−10 30 58.5	7.05	1 H	283.727 821 46	−10.516 242 44	5.18	−7.37	−17.64	0.71	0.47	0.84	0.71	0.53	+ 7	−43	−18	−16	+ 6	+25	+ 4	−24	+15	+ 3	0	1.62
92839	18 54 55.70	−35 44 03.4	8.51	H	283.732 081 93	−35.734 269 55	9.61	−22.26	−128.32	1.44	0.88	1.44	2.45	1.37	−26	− 7	−19	− 7	+43	−27	+22	−55	+29	−61	0	1.37
92840	18 54 58.89	−53 26 13.3	7.99	H	283.745 357 73	−53.437 026 67	5.08	−11.19	−32.48	0.80	0.60	1.03	0.87	0.64	+16	−22	−20	+34	−34	+12	−30	− 6	+17	+25	0	2.52
92841	18 55 00.56	−35 07 16.1	8.52	H	283.752 329 99	−35.121 125 45	3.07	4.95	6.88	1.17	0.64	1.21	1.67	0.96	− 3	−33	− 6	+12	+25	+ 0	+ 8	−37	+10	−32	0	1.25
92842	18 55 04.13	+16 17 00.0	9.83	H	283.767 188 63	+16.283 346 18	1.83	8.35	0.42	0.98	1.22	1.63	1.12	1.39	+34	−16	−26	+ 4	− 9	+16	− 6	+ 5	+ 4	+36	0	2.60
92843	18 55 05.34	−08 48 40.0	8.34	H	283.772 257 23	−08.811 097 30	2.88	−7.67	−30.19	1.02	0.67	1.20	1.16	0.88	+16	−32	−17	+ 7	− 2	+33	+ 2	− 8	+11	+19	0	−0.08
92844	18 55 06.90	−64 19 26.7	8.16	H	283.778 746 06	−64.324 087 55	1.51	8.22	−15.09	0.75	0.78	1.02	0.92	0.83	−15	−22	+ 0	+20	− 8	− 3	− 7	−15	− 2	−18	0	−1.10
92845	18 55 07.07	−22 40 16.5	5.00	G	283.779 466 81	−22.671 253 23	12.07	110.34	−30.79	0.98	0.56	0.92	1.24	1.02	−15	−47	− 7	−29	+16	+27	+14	−32	− 6	+15	0	0.96
92846	18 55 07.52	−33 46 13.4	9.35	H	283.781 333 47	−33.770 402 09	12.42	−0.60	−5.78	1.37	0.75	1.47	1.66	1.07	− 5	−39	− 1	+ 7	− 2	+ 4	−12	−34	+14	−17	0	1.29
92847	18 55 09.31	+36 44 30.2	7.93	H	283.788 782 33	+36.741 718 80	3.40	−1.36	−3.45	0.52	0.59	0.70	0.58	0.72	−11	− 2	−17	−11	+11	−16	+10	− 7	+ 3	−14	0	0.08
92848 H	18 55 10.68	+64 31 52.8	9.81	H	283.794 487 41	+64.531 323 62 A	3.59	6.27	2.52	2.32	2.20	1.98	2.34	2.67	− 1	−10	+12	+51	+ 7	+ 5	+ 0	+10	−12	−13	1	0.82
92849	18 55 13.65	+32 36 16.5	7.66	G	283.806 881 74	+32.604 593 05	3.66	−3.22	21.87	0.50	0.56	0.70	0.54	0.68	− 4	+ 5	+ 4	+17	+13	+ 4	+15	+17	+ 9	− 6	1	0.04
92850	18 55 14.86	+38 02 44.9	8.60	H	283.811 936 19	+38.045 802 73	3.59	−1.90	−32.26	0.75	0.73	0.92	0.88	0.95	+ 1	− 6	+ 2	+ 6	− 9	−27	−10	− 4	− 4	+ 1	0	−0.79
92851	18 55 14.88	+32 24 00.6	7.63	H	283.812 007 79	+32.400 175 26	4.04	0.20	−5.54	0.45	0.54	0.66	0.52	0.70	− 3	− 4	− 6	+ 5	+ 6	− 2	+ 8	+26	+ 8	−11	1	0.04
92852	18 55 14.92	−15 44 55.5	7.97	H	283.812 153 92	−15.748 743 41	4.08	3.89	−8.32	0.80	0.55	0.94	0.85	0.61	+ 4	−26	− 9	−14	− 3	+29	+ 5	−34	−21	− 5	2	−1.39
92853	18 55 15.21	+30 46 48.1	8.09	H	283.813 363 16	+30.780 037 12	5.29	−4.87	−16.39	0.59	0.64	0.80	0.70	0.87	+ 1	− 9	+ 3	+38	− 6	− 3	− 9	+24	+ 8	− 8	0	0.60
92854	18 55 15.30	−14 41 28.1	7.26	H	283.813 751 96	−14.691 129 23	8.12	−30.68	26.66	0.75	0.49	0.86	0.84	0.62	+ 4	−26	− 8	+ 2	− 6	+24	+ 0	−28	− 5	+ 8	0	−0.65
92855	18 55 15.92	−26 17 47.7	2.05	1 H	283.816 319 56	−26.296 594 28	14.54	13.87	−52.65	0.87	0.45	0.88	1.09	0.60	−18	−31	− 7	+17	+12	+ 3	− 3	−30	+ 5	−48	0	−0.30
92856	18 55 16.03	+17 12 02.1	11.20	H	283.816 802 95	+17.200 595 04	1.71	5.25	−19.43	1.74	1.80	2.55	2.13	2.38	+39	−13	−12	+28	−15	+11	−13	− 9	+12	+47	2	1.57
92857	18 55 18.43	−43 53 09.1	9.22	H	283.826 795 70	−43.885 873 33	1.34	−9.78	−3.17	1.28	0.80	1.41	1.57	0.97	+17	−30	− 1	+ 4	+10	+ 2	+10	−37	−10	+11	0	−0.98
92858	18 55 18.70	−37 29 50.9	7.98	G	283.827 918 23	−37.497 483 57	41.84	141.94	−357.25	1.04	0.67	1.19	1.60	0.94	−17	−12	−33	+ 5	+28	−34	+ 3	−47	+36	−53	2	1.31
92859	18 55 19.70	+22 55 19.6	9.18	H	283.832 100 14	+22.922 114 37	3.39	3.75	0.72	0.72	0.88	1.26	0.95	1.10	+ 2	−13	−15	+ 6	+ 5	+ 2	+ 5	− 7	+ 5	+ 2	0	0.29
92860	18 55 19.94	+32 38 36.2	8.06	H	283.833 068 74	+32.643 392 52	3.05	2.85	18.57	0.52	0.63	0.76	0.55	0.76	− 6	− 2	+ 6	+ 8	+11	− 6	+14	+26	+ 4	− 7	1	1.26
92861	18 55 20.01	+40 08 19.8	8.35	H	283.833 392 61	+40.138 830 37	2.61	3.29	1.70	0.62	0.62	0.75	0.73	0.75	+ 1	− 8	+ 1	− 1	+10	− 3	+12	−10	−11	+ 7	1	1.00
92862	18 55 20.09	+43 56 45.2	4.08	2 H	283.833 688 20	+43.945 892 60	9.33	19.94	80.60	0.45	0.47	0.52	0.49	0.64	+ 5	− 1	−11	+ 9	+ 0	+ 5	− 1	+15	+ 1	+15	0	−0.42
92863	18 55 20.36	+27 00 09.7	7.97	1 H	283.834 826 38	+27.002 705 09 A	1.63	−1.26	−12.52	0.77	0.93	1.11	0.88	0.98	+16	− 3	+ 0	+18	+14	− 7	+13	+25	+ 8	+ 8	4	−0.26
92864	18 55 20.54	−32 32 32.4	8.38	H	283.835 596 09	−32.542 339 83	11.65	−19.67	−208.26	1.48	0.77	1.35	1.55	0.96	−27	−43	− 1	+ 9	− 3	+ 2	−11	−48	+22	−16	4	−0.64
92865	18 55 23.13	+09 20 48.1	8.59	2 G	283.846 357 59	+09.346 689 90	2.02	0.41	0.19	0.96	0.75	1.15	1.13	0.84	+10	−30	−16	+ 6	+17	− 8	+ 9	−26	+18	+ 4	0	−0.82
92866	18 55 23.55	−37 23 11.8	6.48	H	283.848 136 05	−37.386 601 71	7.69	7.62	−0.55	0.86	0.56	0.99	1.35	0.81	−16	−14	−37	+ 9	+28	−34	− 1	−44	+39	−58	0	1.18
92867	18 55 23.64	+19 12 53.4	8.36	H	283.848 507 95	+19.214 824 50	6.62	3.67	17.27	0.59	0.62	0.95	0.77	0.72	−12	−11	−15	+10	−26	+28	−21	−18	+30	+ 6	0	−1.05
92868	18 55 25.26	−06 58 02.4	10.73	H	283.855 246 16	−06.967 336 73	−0.63	−2.35	−5.30	1.93	1.30	2.17	2.87	2.02	+ 3	+ 4	+ 8	+27	+ 5	+26	+11	−24	− 1	+16	0	2.02
92869	18 55 25.66	+40 10 37.7	6.83	H	283.856 897 66	+40.177 149 43	4.98	0.44	1.34	0.46	0.46	0.55	0.51	0.53	− 1	−13	−12	+ 3	+ 8	−14	+ 7	+ 4	+ 0	+ 0	0	0.44
92870	18 55 25.92	−29 12 47.2	6.74	H	283.857 992 50	−29.213 102 95	4.64	5.94	−1.86	0.87	0.50	0.92	1.06	0.59	− 2	−28	−23	+27	+ 0	− 9	−19	−27	+16	−38	0	1.27
92871	18 55 27.36	+08 24 09.6	10.10	G	283.863 985 15	+08.402 675 85	86.27	92.03	−69.58	1.48	1.18	1.90	2.01	1.47	− 7	−33	−30	− 4	+32	− 9	+16	−29	+29	−19	0	−1.27
92872	18 55 27.44	+06 36 55.8	5.58	G	283.864 343 13	+06.615 505 76	11.14	6.02	−88.83	0.62	0.47	0.79	0.94	0.69	− 3	−24	−10	−18	+10	+28	+ 8	−34	+ 8	−13	0	−0.28
*92873	18 55 27.62	+60 56 46.4	7.54	H	283.865 104 08	+60.946 233 17	1.96	7.85	5.32	0.58	0.52	0.57	0.60	0.60	+ 6	−21	+ 3	+23	+14	− 8	+16	+ 9	+ 2	+17	0	0.35
*92874	18 55 27.62	−08 11 10.4	9.08	2 H	283.865 083 00	−08.186 209 40	1.06	2.29	−4.14	1.22	0.85	1.39	1.47	1.25	+18	−36	−18	−24	− 7	+26	− 1	−35	+17	+43	0	0.83
*92875 H	18 55 28.52	+29 13 35.8	8.48	H	283.868 820 48	+29.226 620 07 A	7.00	8.14	1.90	1.46	1.89	2.07	1.49	2.32	+13	− 2	−13	+ 8	+ 7	−17	+ 7	+40	−18	+ 0	1	0.22
*92876	18 55 28.36	+13 13 20.8	7.03	G	283.868 182 10	+13.222 455 33	4.54	5.22	5.18	0.75	0.59	0.84	1.12	0.90	− 8	− 9	−11	− 5	+14	+ 5	+14	− 5	+ 9	−30	0	1.14
92877	18 55 29.00	−80 10 40.9	8.69	G	283.870 841 23	−80.178 033 00	7.20	51.35	−10.89	0.65	0.78	0.89	0.73	0.98	− 2	− 6	− 8	+33	−12	− 4	−15	+14	−10	−13	0	−0.11
92878	18 55 29.07	−02 49 25.0	9.28	H	283.871 126 56	−02.823 607 17	1.11	9.70	12.19	1.07	0.76	1.31	1.12	0.86	+39	−24	−24	−21	− 5	+ 1	−10	−36	+ 4	+ 0	2	1.16
*92879	18 55 30.36	+14 23 06.1	6.62	H	283.876 514 15	+14.385 019 02	19.37	65.69	−18.45	0.69	0.59	0.88	0.99	0.86	+ 9	+ 3	− 6	− 5	+28	+46	+38	− 4	+25	+ 5	0	−0.55
*92880	18 55 30.36	−43 42 10.1	8.30	H	283.876 479 39	−43.702 808 69	10.41	−191.79	−37.40	0.97	0.66	1.10	1.28	0.80	+19	− 5	− 5	− 2	+ 8	− 7	+ 1	−47	+ 4	+ 7	0	0.21
92881	18 55 30.78	+63 05 33.7	7.95	H	283.878 260 14	+63.092 688 27	3.57	8.61	13.53	0.63	0.57	0.63	0.72	0.62	− 1	− 7	+10	− 4	+18	−11	+17	+ 3	+10	+11	0	0.66
92882	18 55 31.02	−16 22 34.3	5.56	H	283.879 257 99	−16.376 187 51	31.24	−26.33	−183.97	0.64	0.40	0.75	0.76	0.46	− 4	−32	−16	+11	− 9	+38	− 3	− 7	−16	−27	0	−0.19
92883	18 55 33.27	−27 31 01.4	9.38	H	283.888 642 94	−27.517 059 05	9.38	13.59	−1.13	1.23	0.65	1.26	1.56	0.93	−19	−33	−14	+12	+15	− 7	+ 4	−30	+14	−38	0	0.68
92884	18 55 33.28	−02 18 23.5	7.79	G	283.888 665 56	−02.306 538 16	5.10	6.75	−13.05	0.69	0.50	0.85	0.68	0.52	+13	−24	−25	−24	+ 9	+ 7	+ 7	−33	+10	− 9	0	0.00
92885	18 55 33.38	+47 26 27.3	7.01	H	283.889 070 69	+47.440 905 24	7.73	−58.78	−52.72	0.54	0.51	0.61	0.65	0.56	− 2	+10	+ 4	−14	+16	−23	+15	+ 4	+11	+10	1	0.03
92886	18 55 33.73	−46 20 36.6	9.95	H	283.890 533 16	−46.343 506 48	3.20	−24.44	9.87	1.32	1.02	1.64	1.71	1.22	+17	−13	−31	−19	+ 7	+ 4	+ 3	−45	+22	+ 9	0	−0.57
92887	18 55 33.84	−71 04 02.6	7.87	H	283.890 996 20	−71.067 392 95	5.40	10.53	−26.03	0.41	0.64	0.87	0.50	0.74	−15	−11	+ 5	+11	−11	− 9	−10	− 5	− 5	−21	1	−0.01
92888	18 55 34.02	+04 26 07.5	7.44	H	283.891 736 30	+04.435 416 71	4.69	15.66	−19.59	0.83	0.65	0.99	0.94	0.77	+11	−17	− 6	−19	+ 1	− 2	+ 0	−33	+ 5	+ 6	0	1.47
92889	18 55 34.14	+67 22 50.4	9.19	2 H	283.892 235 58	+67.380 662 90	−0.09	2.62	−1.53	0.75	0.76	0.80	0.63	0.89	−11	−15	+ 4	−46	+11	+14	+ 8	+ 4	− 3	+ 0	2	0.63
92890	18 55 34.56	+61 27 06.5	9.08	H	283.894 007 95	+61.451 813 53	2.53	−5.95	−39.45	0.82	0.69	0.79	0.85	0.77	+ 2	−11	+11	−11	+ 9	+ 3	+ 8	− 6	+10	+17	0	0.23
92891	18 55 35.70	+42 03 36.6	6.55	H	283.898 766 30	+42.060 176 50	3.77	17.62	42.78	0.47	0.49	0.56	0.55	0.61	− 7	+ 3	−12	− 2	+15	− 7	+14	− 7	+ 3	− 8	0	−0.39
92892	18 55 35.99	−34 38 40.5	8.94	H	283.899 953 01	−34.644 592 83	2.46	7.21	3.97	1.35	0.76	1.37	1.66	1.07	+ 1	−24	− 4	+13	+ 8	− 3	+ 2	−31	+ 9	− 9	0	0.72
92893	18 55 36.51	−62 07 01.4	9.57	H	283.902 110 10	−62.117 051 54	1.16	−0.03	−6.41	1.06	0.85	1.30	1.52	1.11	− 9	−13	− 6	+20	− 9	−11	− 8	+ 4	+15	+10	2	−0.40
92894	18 55 39.86	−74 40 24.9	8.29	H	283.916 084 14	−74.673 581 80	0.34	6.97	−19.81	0.61	0.72	0.97	0.62	0.73	− 4	−15	+15	−15	− 7	−14	− 3	−19	− 8	− 2	0	−1.36
92895	18 55 40.89	+04 15 56.0	8.02	H	283.920 367 82	+04.265 543 16	7.84	−7.84	−89.86	0.89	0.70	1.13	1.01	0.81	+19	−23	−16	−19	+ 0	+ 5	− 6	−38	+18	+ 4	0	0.38
92896	18 55 41.34	+25 41 42.2	7.92	H	283.922 258 83	+25.695 042 60	5.11	−5.44	−5.27	0.41	0.59	0.80	0.46	0.69	−13	−18	+11	+10	+16	+ 4	+16	+ 5	+ 3	− 9	0	−0.27
92897	18 55 42.07	+12 54 35.8	11.78	H																						
*92898	18 55 43.67	+12 54 30.1	9.21	H	283.931 950 79	+12.908 373 56	1.04	10.55	−5.84	1.22	0.96	1.39	1.81	1.44	− 5	−10	−10	− 9	+18	+ 7	+16	−13	+20	−18	2	1.03
*92899	18 55 43.64	−58 14 34.0	8.32	H	283.931 851 21	−58.242 790 26	9.96	28.82	−15.70	0.91	0.71	1.11	1.07	0.98

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
92801	11.069	0.087	9.666	0.044		1.186	0.076	T	1.15	0.07	L	9.7009	0.0036	0.025	57		9.67	9.75		C			1							G
92802	9.656	0.022	9.202	0.022		0.428	0.029	T	0.50	0.03	L	9.2442	0.0027	0.019	82		9.21	9.28					1							
92803	9.825	0.022	9.364	0.022		0.435	0.028	T	0.50	0.03	L	9.3948	0.0015	0.019	106		9.36	9.43					1							
92804	9.349	0.017	8.879	0.016		0.456	0.018	T	0.53	0.02	L	8.9340	0.0019	0.017	103		8.91	8.96		C			1							
92805	10.487	0.045	8.487	0.015		1.657	0.038	T	1.68	0.04	L	8.3839	0.0023	0.016	77		8.36	8.40		C			1							S
92806	8.743	0.014	7.498	0.009		1.062	0.013	T	1.03	0.01	L	7.5437	0.0013	0.012	78		7.53	7.57		C			1							S
92807	8.768	0.011	7.512	0.007		1.071	0.010	T	1.04	0.01	L	7.5704	0.0015	0.011	96		7.55	7.59			18546+0154	I 2	1							
92808	7.896	0.010	7.819	0.012		0.076	0.015	T	0.09	0.02	L	7.8360	0.0015	0.013	75		7.81	7.86					1							S
92809	9.314	0.015	9.156	0.018	A	0.141	0.140	G	0.07	0.02	L *	9.1649	0.0024	0.023	134	*	9.13	9.20			18546+3020	H 1	2 C	D	AB	282	4.348	0.074	4.11	0.32	D
92810	10.042	0.026	8.804	0.016		1.057	0.024	T	1.02	0.02	L	8.8650	0.0016	0.015	112		8.84	8.89		C			1							
92811	9.487	0.019	9.333	0.024		0.148	0.029	T	0.16	0.03	L	9.3619	0.0021	0.021	99		9.34	9.40					1							D
92812	8.983	0.014	7.960	0.010		0.891	0.013	T	0.90	0.01	L	7.9979	0.0016	0.014	93		7.97	8.02					1							
92813	7.851	0.007	7.737	0.007		0.100	0.015	G	0.11	0.02	H	7.7660	0.0013	0.013	167		7.74	7.79		C			1							S
92814	5.258	0.002	5.111	0.003		0.141	0.003	T	0.16	0.00	L	5.1308	0.0007	0.006	85		5.12	5.14		C			1							S
92815	10.237	0.037	8.714	0.019		1.280	0.033	T	1.24	0.03	L	8.7382	0.0032	0.021	70		8.70	8.78					1 S							
92816	10.207	0.034	9.080	0.022		0.970	0.032	T	0.95	0.03	L	9.1174	0.0026	0.017	84		9.09	9.16		C	18547−4343	I 1	1							
92817	11.320	0.062	10.743	0.058		0.504	0.015	G	0.58	0.02	H	10.9189	0.0033	0.034	134		10.86	10.97					1 X							G G
92818	5.570	0.002	4.678	0.001		0.782	0.004	G	0.86	0.03	C	4.7213	0.0004	0.004	164		4.71	4.73			18547+2239	I 1	1 O							S
92819	9.969	0.025	8.403	0.013		1.314	0.022	T	1.28	0.03	L	8.3971	0.0017	0.014	84		8.37	8.42		C			1							
92820	7.241	0.007	7.217	0.009		0.022	0.010	T	0.04	0.01	L	7.2374	0.0012	0.010	68		7.22	7.26		C			1							S
92821	10.125	0.028	8.784	0.016		1.137	0.025	T	1.10	0.03	L	8.8313	0.0017	0.016	79		8.80	8.86		C			1							
92822	6.369	0.004	5.889	0.003		0.452	0.005	T	0.52	0.01	L	5.9422	0.0005	0.005	105		5.93	5.95		C	18548+4852	I 1	1 S							S
92823	9.208	0.022	9.257	0.032		0.028	0.012	G	0.04	0.01	H	9.2606	0.0030	0.018	54		9.23	9.29		C			1							G
92824	6.981	0.004	5.428	0.002		1.304	0.004	T	1.26	0.00	L	5.4436	0.0006	0.006	134		5.43	5.45					1							S
92825	7.074	0.006	7.077	0.008		0.002	0.009	T	0.02	0.01	L	7.0921	0.0018	0.013	78		7.07	7.11					1							S
92826	10.419	0.041	9.443	0.028		0.856	0.037	T	0.87	0.03	L	9.5369	0.0017	0.021	87		9.50	9.57		D			1							G
92827	8.696	0.011	7.722	0.008		0.855	0.010	T	0.87	0.01	L	7.7753	0.0014	0.012	133		7.75	7.79		C			1 S							S
92828	10.236	0.040	9.491	0.031		0.667	0.038	T	0.73	0.03	L	9.5835	0.0034	0.021	74		9.54	9.63					1							G
92829	7.594	0.007	7.633	0.009		−0.060	0.011	G	−0.04	0.01	H	7.6654	0.0011	0.013	138		7.65	7.69		C	18548+3358	I 2	1							S
92830	8.956	0.014	8.652	0.016		0.289	0.020	T	0.33	0.03	L	8.7087	0.0022	0.020	88		8.68	8.75		C			1							
92831	6.783	0.004	5.574	0.003		1.034	0.004	T	1.01	0.00	L	5.6270	0.0005	0.005	127		5.62	5.64		C	18549+4136	I 1	1							S
92832	9.379	0.014	7.471	0.007		1.584	0.012	T	1.60	0.01	L	7.3976	0.0015	0.014	137		7.38	7.42		M			1							S
92833	7.196	0.007	6.111	0.004	A	0.922	0.015	G	0.94	0.01	L *	6.1394	0.0008	0.007	144	*	6.13	6.15		D	18548+3358	I 2	2 C	A	AB	129	1.776	0.010	3.08	0.04	S
92834	9.978	0.031	9.467	0.033		0.500	0.020	G	0.57	0.02	H	9.5278	0.0027	0.025	69		9.49	9.58			18549−2157	I 1	1	S						
92835	8.679	0.011	8.032	0.010		0.600	0.013	T	0.67	0.01	L	8.0888	0.0013	0.017	94		8.06	8.27	6.69	P 1 A			1							S P
92836						1.832	0.170	G	3.25	0.57	I	9.7881	0.0703	0.535	61		9.52	11.45		U 2	18549+1059	I 1								G G
92837	7.782	0.008	7.402	0.008		0.364	0.015	G	0.43	0.02	H	7.4667	0.0026	0.018	96		7.43	7.49		U 2			1							S
92838	7.146	0.006	7.063	0.008		0.082	0.009	T	0.09	0.01	L	7.0861	0.0011	0.010	79		7.07	7.10		M			1							S
92839	9.489	0.024	8.622	0.019		0.760	0.024	T	0.80	0.02	L	8.6516	0.0033	0.022	50		8.62	8.68					1							
92840	9.161	0.014	8.095	0.010		0.924	0.013	T	0.92	0.01	L	8.1501	0.0013	0.014	115		8.13	8.18					1							
92841	8.955	0.017	8.576	0.018		0.370	0.021	T	0.43	0.02	L	8.6081	0.0017	0.016	68		8.59	8.63					1							
92842	11.829	0.135	9.979	0.039		1.538	0.111	T	1.59	0.24	L	9.9437	0.0041	0.031	101		9.89	9.99					1							G
92843	10.213	0.038	8.485	0.017		1.442	0.033	T	1.44	0.05	L	8.4797	0.0015	0.014	73		8.45	8.50		C			1 S							
92844	9.865	0.023	8.311	0.012		1.304	0.020	T	1.26	0.02	L	8.3221	0.0020	0.016	89		8.29	8.35		C			1							
92845	6.784	0.005	5.154	0.003		1.348	0.011	G	1.25	0.01	G	5.1716	0.0010	0.005	65		5.16	5.18		C			1 G							S
92846	10.082	0.030	9.422	0.026		0.602	0.030	T	0.67	0.03	L	9.4818	0.0026	0.019	82		9.45	9.51		C			1							
92847	7.936	0.008	7.934	0.010		0.026	0.000	G	0.04	0.00	H	7.9451	0.0009	0.010	118		7.93	7.96					1 S							S
92848	9.612	0.042	9.074	0.041	*	0.504	0.053	T	0.58	0.06	L *	9.9175	0.0023	0.025	103	*	9.87	9.96		D	18552+6432	I 1	2 C	A	AB	214	1.765	0.006	0.73	0.03	
92849	8.913	0.011	7.765	0.007		0.991	0.015	G	0.97	0.01	H	7.8266	0.0011	0.012	148		7.81	7.85					1							S
92850	10.022	0.023	8.735	0.014		1.095	0.021	T	1.06	0.02	L	8.7673	0.0021	0.018	115		8.73	8.81					1							
92851	7.567	0.005	7.626	0.009		−0.049	0.009	T	−0.03	0.01	L	7.6236	0.0013	0.013	150		7.61	7.64					1							S
92852	8.114	0.011	7.999	0.013		0.111	0.016	T	0.12	0.02	L	8.0173	0.0015	0.009	83		7.99	8.03					1							S
92853	9.501	0.015	8.215	0.009		1.094	0.014	T	1.06	0.01	L	8.2557	0.0012	0.012	136		8.23	8.28		C			1							S
92854	7.734	0.008	7.318	0.007		0.407	0.009	T	0.47	0.01	L	7.3563	0.0012	0.009	87		7.34	7.37		C			1							S
92855	1.888	0.005	2.044	0.005		−0.134	0.006	T	−0.13	0.01	L	2.0095	0.0008	0.005	68		2.00	2.03		M	18552−2618	I 1	1							S
92856	11.862	0.137	11.189	0.122		0.545	0.107	G	0.62	0.10	R	11.3169	0.0062	0.046	100		11.22	11.40					1							G
92857	9.775	0.025	9.296	0.025		0.480	0.015	G	0.55	0.02	H	9.3244	0.0026	0.017	82		9.29	9.36		C			1							
92858	9.007	0.028	8.025	0.021		0.857	0.003	G	0.90	0.00	H	8.1038	0.0018	0.014	73		8.08	8.12					1							
92859	9.339	0.020	9.259	0.025		0.079	0.030	T	0.09	0.03	L	9.2075	0.0023	0.024	158		9.16	9.25					1							
92860	9.062	0.012	8.149	0.009		0.810	0.011	T	0.84	0.01	L	8.2122	0.0014	0.015	151		8.19	8.24		C			1							S
92861	9.583	0.016	8.418	0.011		1.000	0.015	T	0.98	0.01	L	8.5124	0.0016	0.014	129		8.49	8.54					1							S
92862	5.983	0.011	4.344	0.013		1.397	0.014	T	3.14	0.04	O	3.9348	0.0072	0.107	103		3.82	4.13		U 2			1 S							S
92863	9.247	0.019	8.083	0.013	A	0.999	0.018	T	0.98	0.01	L	8.1303	0.0087	0.021	160	A	8.10	8.17		U	18553+2700	I 1	2 C	D	AB	6	16.107	0.043	3.26	0.17	D
92864	9.049	0.020	8.435	0.018		0.576	0.015	G	0.65	0.01	H	8.5048	0.0014	0.012	73		8.48	8.53		C			1 G							
92865	9.228	0.018	8.692	0.017		0.510	0.019	T	0.58	0.02	L	8.7264	0.0116	0.064	76		8.68	8.85	1.62	P 1 A			1							
92866	7.928	0.010	6.606	0.005		1.122	0.009	T	1.08	0.01	L	6.6456	0.0009	0.006	76		6.63	6.66					1							S
92867	8.705	0.010	8.382	0.010		0.307	0.013	T	0.35	0.02	L	8.4379	0.0012	0.020	150		8.40	8.47		C			1							S
92868						1.660	0.262	G	1.64	0.27	J	10.8449	0.0041	0.039	57		10.79	10.93					1							G
92869	6.954	0.005	6.850	0.005		0.101	0.007	T	0.11	0.01	L	6.8710	0.0007	0.008	131		6.86	6.89		C			1							S
92870	7.992	0.009	6.853	0.006		0.979	0.008	T	0.96	0.01	L	6.9032	0.0011	0.009	79		6.89	6.92		C			1							S
92871	12.053	0.166	10.334	0.059		1.539	0.020	G	2.46	0.01	A	10.1476	0.0037	0.034	75		10.09	10.19					1							G
92872	6.907	0.005	5.690	0.004		1.041	0.002	G	1.01	0.00	H	5.7238	0.0009	0.007	77		5.71	5.74		C			1 G							S D
92873	9.383	0.015	7.678	0.007		1.423	0.013	T	1.41	0.02	L	7.6779	0.0014	0.012	108		7.66	7.70					1 S							S
92874	12.923	0.423	9.439	0.027		2.700	0.470	G	2.70	0.48	J	9.0608	0.0149	0.073	65		8.96	9.15		U 2 C			1 S							
92875	8.884	0.019	8.460	0.019	*	0.401	0.025	T	0.47	0.03	L *	8.5731	0.0015	0.015	144	*	8.54	8.61		D	18555+2914	I 1	2 C	A	AB	177	3.367	0.005	0.32	0.02	
92876	7.098	0.006	7.040	0.010		0.055	0.007	G	0.07	0.01	H	7.0664	0.0012	0.009	67		7.05	7.08		C			1							S
92877	9.253	0.013	8.726	0.013		0.524	0.015	G	0.60	0.02	H	8.7917	0.0013	0.020	129		8.75	8.84					1							
92878	11.159	0.054	9.502	0.022		1.386	0.046	T	1.36	0.06	L	9.4279	0.0026	0.023	115		9.39	9.47					1 S							G
92879	7.031	0.007	6.658	0.006		0.353	0.009	T	0.41	0.01	L	6.7027	0.0011	0.007	69		6.69	6.71		C			1 G							S
92880	9.053	0.016	8.376	0.014		0.615	0.016	T	0.68	0.01	L	8.4303	0.0018	0.012	82		8.40	8.45		C			1							S
92881	9.087	0.013	8.049	0.009		0.903	0.012	T	0.90	0.01	L	8.1065	0.0013	0.012	119		8.08	8.14					1							S
92882	6.075	0.004	5.603	0.004		0.445	0.005	T	0.51	0.01	L	5.6562	0.0006	0.005	79		5.65	5.67					1							S
92883	10.158	0.036	9.526	0.033		0.582	0.036	T	0.65	0.03	L	9.5009	0.0018	0.017	78		9.47	9.52		C			1							
92884	7.902	0.007	7.806	0.008		0.109	0.001	G	0.12	0.00	H	7.8258	0.0011	0.009	107		7.81	7.84					1							S
92885	8.519	0.010	7.144	0.006		1.164	0.009	T	1.13	0.01	L	7.1808	0.0010	0.009	111		7.17	7.20					1							S
92886	10.582	0.048	10.034	0.046		0.524	0.020	G	0.60	0.02	H	10.0601	0.0026	0.024	83		10.03	10.10		C			1							G
92887	9.113	0.010	7.980	0.006		0.975	0.009	T	0.96	0.01	L	8.0362	0.0013	0.015	213		8.01	8.06					1							
92888	8.784	0.014	7.556	0.009		1.049	0.013	T	1.02	0.01	L	7.6115	0.0015	0.012	85		7.59	7.64		C			1							S
92889	11.283	0.071	9.428	0.024		1.575	0.062	T	2.49	0.10	O	9.2144	0.0054	0.052	94		9.15	9.28		U 2			1							
92890	10.302	0.030	9.165	0.018		0.978	0.027	T	0.96	0.02	L	9.2414	0.0018	0.016	102		9.21	9.28		C			1							
92891	8.253	0.010	6.712	0.005		1.294	0.009	T	1.25	0.01	L	6.7092	0.0009	0.008	116		6.70	6.72		C			1 G							S
92892	10.219	0.033	9.014	0.020		1.031	0.030	T	1.00	0.03	L	9.1036	0.0025	0.016	63		9.07	9.13					1							
92893	9.923	0.029	9.632	0.033		0.276	0.046	T	0.31	0.06	L	9.6487	0.0030	0.028	101		9.59	9.70					1							
92894	10.381	0.026	8.491	0.011		1.570	0.022	T	1.59	0.02	L	8.4115	0.0017	0.019	164		8.38	8.45					1							
92895	9.170	0.020	8.128	0.015		0.869	0.024	G	0.92	0.02	A	8.1644	0.0017	0.011	85		8.15	8.18		C			1							
92896	7.981	0.006	7.927	0.007		0.055	0.009	T	0.07	0.01	L	7.9467	0.0011	0.015	198		7.92	7.97					1							S
92897											T	11.9226	0.0793	0.727	66		10.31	12.54		D	18557+1255	I 3	S							G
92898	9.423	0.021	9.200	0.025		0.198	0.141	G	0.26	0.08	L	9.2759	0.0040	0.022	67		9.25	9.32		D	18557+1255	I 3	1 S							
92899	8.778	0.014	8.352	0.014		0.397	0.009	G	0.46	0.01	H	8.4092	0.0022	0.015	77		8.39	8.43		C			1							S
92900	7.714	0.010	7.218	0.007		0.475	0.015	G	0.55	0.02	H	7.2650	0.0010	0.008	81		7.25	7.28		C			1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr												%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
92901	18 55 45.16	+07 10 32.3	6.70	H	283.938 151 04	+07.175 652 00		5.68	−22.33	−38.37	0.71	0.54	0.85	0.70	0.56	+10	−27	−18	−16	+	4	−	6	−	3	−28	+18	−17	0	0.35
92902	18 55 45.69	−56 25 24.1	6.77	H	283.940 382 04	−56.423 373 42		2.96	8.68	−0.54	0.70	0.52	0.85	0.79	0.56	+	7	−21	+	6	+35	−28	−13	−19	−21	−13	+18		0	0.34
92903 H	18 55 45.80	+12 54 53.1	9.99	H	283.940 815 58	+12.914 759 48	C	8.53	7.40	4.19	3.78	2.98	3.85	5.13	4.20	−12	−13	−	5	−22	+20	+11	+20	−21	+	9	−31		0	1.82
92904	18 55 46.67	+00 15 54.6	7.38	H	283.944 453 06	+00.265 167 15		3.06	0.28	−6.35	0.72	0.52	0.90	0.78	0.64	+14	−21	−16	−31	−	1	+20	+	5	−28	−15	−19		0	0.39
92905	18 55 46.69	+00 20 41.9	9.21	H	283.944 534 00	+00.344 981 94		4.46	−3.73	−2.64	1.09	0.80	1.34	1.27	1.08	+18	−	9	−	5	−35	−	1	+14	+	2	−31	−	1	+10	0	0.14
92906	18 55 46.78	+40 12 10.3	8.50	H	283.944 899 57	+40.202 867 13		1.68	0.41	1.60	0.74	0.74	0.89	0.89	0.90	−	5	−16	+	5	+	2	+	6	−15	+	7	+	0	−	1	−	6	0	0.98
92907	18 55 47.69	−36 34 35.9	9.04	2 H	283.948 713 96	−36.576 637 70		2.83	−5.74	−2.57	1.49	0.98	1.67	2.40	1.50	+16	−29	−32	−19	+18	−29	−14	−68	+34	−36				0	2.02
92908	18 55 47.77	+80 56 43.9	8.09	H	283.949 060 04	+80.945 533 81		3.96	10.44	5.84	0.59	0.53	0.61	0.71	0.59	+	3	−22	+	9	+	2	+	7	−	4	+	6	+	8	−	2	+20	1	0.21
92909 H	18 55 48.63	+03 26 59.3	7.07	G	283.952 606 04	+03.449 796 06	*	6.33	13.22	−7.60	1.18	0.95	1.03	0.87	0.69	+16	−25	−10	−20	+	8	−	2	+	3	−35	+	7	−	3	3	−0.27
92910	18 55 48.67	−39 23 56.6	8.92	H	283.952 778 84	−39.399 048 14		8.51	−19.28	−28.56	1.13	0.67	1.30	1.32	0.88	+22	−41	−	6	+	5	+18	+12	+19	−28	−	2	+24		0	−0.10
92911	18 55 49.24	+30 18 43.5	7.62	H	283.955 175 63	+30.312 070 37		2.96	1.04	−5.51	0.47	0.54	0.69	0.52	0.74	−	1	−	8	+	7	+26	−	4	−16	−	5	+14	+15	−	5	0	0.29
92912	18 55 49.88	−18 32 00.6	8.27	G	283.957 849 04	−18.533 510 91		9.06	−4.05	−6.15	1.03	0.63	1.14	1.04	0.69	+	1	−37	−16	−	3	+10	+	8	+	4	−27	+16	−11	0	−0.70
92913	18 55 50.57	−14 48 55.7	8.20	G	283.960 725 67	−14.815 471 04		6.76	12.62	−8.09	0.89	0.57	0.99	0.99	0.68	−	7	−26	−	7	−	2	−	3	+22	+	0	−32	−	6	−11	2	−1.17
92914	18 55 51.44	−00 44 21.3	7.39	H	283.964 318 18	−00.739 237 20		7.91	21.68	−99.17	0.71	0.52	0.84	0.68	0.53	+	0	−25	−21	−31	+	9	+	6	+	8	−37	+	6	−23	0	0.65
92915	18 55 51.69	−42 07 35.8	8.47	H	283.965 363 66	−42.126 599 12		20.52	12.88	13.68	1.05	0.71	1.26	1.33	0.86	+	4	−22	+	2	−15	+16	−14	+12	−50	−18	−13		0	2.16
92916	18 55 52.00	+38 19 42.1	12.07	G	283.966 647 89	+38.328 364 00		21.98	−345.56	−153.38	1.97	2.16	2.57	2.56	2.83	+	5	−	9	+	0	−	5	−	6	−20	−	5	−	4	−	9	+14	0	0.66
92917	18 55 52.85	−17 54 39.5	8.32	H	283.970 219 98	−17.910 980 71		3.66	5.43	−14.27	0.96	0.58	1.05	0.95	0.65	+	0	−37	−27	−19	+	7	+12	+	4	−38	+19	−	9	0	−0.20
92918	18 55 53.09	−05 44 39.4	7.46	G	283.971 195 25	−05.744 271 55		29.77	−200.70	−388.67	0.87	0.61	1.05	1.04	0.79	+	2	−21	−13	−	5	−	4	+25	+	0	−26	−18	−17	0	0.63
92919	18 55 53.14	+23 33 26.4	8.16	2 H	283.971 422 94	+23.557 337 99		46.64	130.79	−283.07	0.51	0.64	1.03	0.59	0.74	−10	−	7	−	3	+27	+21	−21	+16	−	9	+25	−23		0	−0.72
92920	18 55 53.54	+35 48 38.1	6.67	G	283.973 089 41	+35.810 570 74		5.58	−18.66	−7.46	0.44	0.47	0.56	0.47	0.54	−15	−	2	−	7	+	9	+14	−	7	+15	+	8	+	6	−11	0	0.33
92921	18 55 54.55	+46 30 47.9	7.99	H	283.977 289 59	+46.513 299 80		3.19	3.35	12.41	0.68	0.57	0.69	0.85	0.64	−13	+	5	−10	−14	+30	−21	+25	−	2	+15	−	3	1	−0.22
92922	18 55 54.82	+41 31 17.7	9.12	H	283.978 411 83	+41.521 581 53		10.06	−3.60	92.35	0.76	0.82	0.90	0.86	0.97	+	0	−	4	+	8	+	4	+22	+	4	+22	+15	+	0	+12	1	−0.54
92923	18 55 56.02	−69 47 18.0	8.50	H	283.983 403 96	−69.788 336 02		2.66	9.74	−17.76	0.48	0.76	1.10	0.56	0.85	−15	−	5	−12	+53	−13	−	3	−22	+	5	−	3	−33	0	−0.89
92924	18 55 56.74	−59 29 03.5	8.82	H	283.986 406 33	−59.484 315 24		0.05	−3.05	−14.95	1.00	0.82	1.28	1.05	1.04	−	1	−32	−11	+31	−	7	−	2	−13	−13	+12	−10		3	0.51
92925	18 55 56.87	+49 48 01.5	7.52	H	283.986 968 78	+49.800 405 64		3.67	8.44	13.27	0.59	0.63	0.69	0.64	0.81	+11	−25	−13	−	9	+	2	+	1	−	2	−13	+21	+23		2	0.59
92926 H	18 55 57.14	+44 13 41.9	6.92	H	283.988 088 43	+44.228 308 92	A	4.18	15.05	27.53	0.63	0.67	0.67	0.64	0.88	+11	+14	−13	+14	+	7	+10	+	9	+23	+	7	+23		2	0.62
92927 H	18 55 58.81	−28 07 48.8	8.06	G	283.995 023 83	−28.130 213 70	A	10.39	16.21	−7.29	2.15	1.18	1.77	2.83	1.55	−	1	−23	−	3	+	1	+23	−	1	+	9	−45	+	5	−43	1	−0.12
92928	18 55 59.99	−80 43 40.3	6.57	H	283.999 948 77	−80.727 864 73		3.94	9.19	−8.32	0.44	0.55	0.64	0.49	0.77	−	4	−14	+14	+	5	−	5	−	4	−	2	−	9	−22	−	7	0	−0.62
92929	18 56 00.39	−25 02 45.2	7.37	G	284.001 636 92	−25.045 875 09		20.14	33.23	54.65	1.04	0.56	1.06	1.20	0.73	−	9	−35	+14	+27	−24	+	5	−21	−34	−25	−20		5	1.30
92930	18 56 00.49	+07 07 34.5	7.35	G	284.002 020 95	+07.126 245 70		5.22	3.22	2.90	0.75	0.57	0.89	0.77	0.60	+	8	−23	−11	−14	+	8	−	6	+	2	−24	+17	−	7	0	0.69
92931	18 56 00.67	−23 10 25.4	5.91	H	284.002 803 41	−23.173 717 93		3.66	−1.70	−13.69	0.92	0.70	0.85	1.04	0.77	+25	−34	−	3	−16	−28	+	7	−18	−51	−16	+16		0	0.14
92932	18 56 01.68	+33 47 08.0	8.16	H	284.006 991 22	+33.785 569 24	A	1.50	7.53	8.92	1.59	1.61	1.73	1.80	1.73	−	2	−	5	−19	+	4	+10	−38	+	4	+	9	+	8	−10	1	1.29
92933	18 56 03.33	+33 47 20.7	9.55	H	284.013 879 64	+33.789 077 55	B	−17.77	18.74	31.24	13.92	13.50	10.04	10.62	9.93	+	0	−	5	+	3	−	4	+	6	−33	+	8	+	5	+15	−	8	1	1.29
92934	18 56 03.80	+17 59 43.3	6.64	H	284.015 837 99	+17.995 353 87		4.26	−2.12	−5.88	0.54	0.52	0.77	0.60	0.59	+31	−22	−27	+	2	−	6	+16	−	7	−14	+29	+36		2	0.88
92935	18 56 05.13	+56 39 41.8	7.85	H	284.021 390 23	+56.661 615 87		1.04	−4.59	−4.36	0.64	0.61	0.64	0.70	0.84	+	5	−	6	−11	+35	+12	−14	+13	+18	+	5	+	2		1	0.22
92936	18 56 05.82	+15 21 56.6	7.66	G	284.024 240 69	+15.365 717 61		7.65	−22.47	−27.04	0.85	0.73	1.14	1.03	0.99	−15	+20	−27	−	2	+24	+16	+35	−20	+54	+15				0	−0.01
92937	18 56 06.15	+18 06 20.9	5.69	H	284.025 626 47	+18.105 799 02		11.84	−47.38	−160.08	0.51	0.50	0.72	0.57	0.54	+26	−22	−29	+	0	−	6	+15	−	6	−17	+24	+29		2	−0.89
92938	18 56 08.11	−56 31 29.3	8.47	H	284.033 776 10	−56.524 794 87		4.50	11.04	−3.39	0.97	0.70	1.18	1.16	0.87	+18	−12	+	0	+33	−25	−	4	−18	−20	−	7	+32		0	−1.43
92939	18 56 08.14	−70 29 13.2	8.12	1 H	284.033 933 83	−70.487 013 51		4.16	4.74	−32.60	0.43	0.69	1.00	0.51	0.75	−11	−17	−	1	+13	−13	−10	−14	−	5	+	2	−24		0	−0.55
92940	18 56 08.64	−29 28 36.0	7.28	H	284.035 993 74	−29.476 657 69		10.06	0.67	1.43	0.88	0.51	0.94	1.03	0.60	+	4	−27	−15	+15	−	5	−15	−21	−40	+13	−26		0	−1.65
92941	18 56 09.27	+46 39 56.6	9.37	H	284.038 619 67	+46.665 716 64		0.94	−6.31	−6.21	0.92	0.82	0.96	1.18	0.95	−16	−	2	−	4	−10	+22	−14	+16	+11	+17	−	3		2	1.34
92942	18 56 09.85	−39 57 36.2	8.67	H	284.041 035 57	−39.960 066 00		5.78	21.98	4.78	1.04	0.65	1.20	1.19	0.79	+21	−42	−17	−	2	+19	+	0	+13	−36	+	8	+13		0	−0.08
92943	18 56 09.91	+07 56 08.3	8.10	2 H	284.041 271 83	+07.935 627 07		1.66	−2.09	−5.85	0.91	0.67	1.06	0.93	0.74	+	9	−36	−19	−	5	+	4	+	1	−	6	−23	+23	−	5	0	1.48
92944	18 56 11.87	+31 43 30.3	8.54	H	284.049 474 47	+31.725 082 29		2.48	−11.00	−18.31	0.70	0.68	0.91	0.98	1.01	−	5	+	0	+	2	+18	+13	+	0	+12	+	7	+	6	−26	0	−0.60
92945	18 56 12.31	−42 54 05.9	11.91	H	284.051 288 83	−42.901 626 70		2.91	4.14	−17.59	3.64	2.44	3.90	5.24	3.23	−17	−17	−	1	−28	+39	−	9	+35	−58	−	2	−20		2	−2.51
92946	18 56 13.16	+04 12 12.7	4.62	G	284.054 834 75	+04.203 529 56	A	24.73	37.69	26.98	1.76	1.40	1.61	1.84	1.55	+27	−23	−	3	−22	−	4	+	0	−	7	−38	+	3	+12	18	0.90
92947	18 56 13.89	−41 20 58.5	8.88	H	284.057 872 45	−41.349 586 92		0.39	−1.02	−14.78	1.20	0.79	1.44	1.38	0.93	+29	−40	−18	−	6	+	8	−12	−	4	−48	+	6	+	5		0	0.10
92948	18 56 14.04	−55 45 33.6	8.71	H	284.058 487 13	−55.759 323 00		3.37	−1.64	−8.73	1.05	0.81	1.26	1.12	0.82	+27	−36	−15	+25	−40	−	8	−35	−28	+	3	+29		0	1.08
*92949	18 56 14.40	−58 35 42.6	8.52	H	284.060 017 83	−58.595 154 77		3.24	3.39	7.01	1.00	0.72	1.18	1.12	0.95	−	3	−28	+	0	+29	−21	+	5	−21	−	1	+13	+13		0	0.32
*92950	18 56 14.38	−18 42 33.9	6.63	H	284.059 918 17	−18.709 413 64		7.44	−1.54	−17.71	0.83	0.48	0.91	0.82	0.53	−	6	−44	−	6	−	2	+11	+13	+	3	−24	+13	−16		0	−0.35
92951	18 56 14.61	+04 12 07.4	4.98	G	284.060 886 96	+04.202 056 72	B	22.84	52.42	31.17	35.65	22.46	4.89	15.61	16.35	+26	−24	−	5	−	9	+	0	+	0	−	5	−24	+	6	+	3	18	0.90
92952 H	18 56 15.90	+54 31 51.1	10.53	H	284.066 252 85	+54.530 873 18	A	23.37	35.77	−350.08	4.16	3.51	2.83	3.31	2.87	−16	−11	+	9	−	3	+	4	−17	+10	−14	−	8	+23		3	0.24
92953	18 56 16.97	−42 42 38.2	5.35	G	284.070 719 18	−42.710 601 61		10.52	−27.03	−30.48	0.74	0.49	0.85	0.98	0.62	+	4	−23	−	2	+	4	+14	−	8	+12	−40	−	8	−	2		0	−1.17
92954	18 56 17.64	+23 04 13.3	7.86	H	284.073 489 43	+23.070 366 10		7.09	47.67	12.65	0.51	0.63	0.95	0.70	0.81	−	4	−	4	−18	+	0	+11	−10	+	8	−16	+22	−	5		0	−0.42
92955 H	18 56 17.74	−00 48 14.5	8.16	1 G	284.073 907 52	−00.804 032 25	A	6.59	16.23	2.74	1.44	1.02	1.45	1.35	1.04	+24	−16	−	7	+	3	+12	+16	+10	−	8	+15	+12		1	0.85
92956	18 56 18.61	−34 18 49.5	9.11	H	284.077 546 58	−34.313 742 20		10.48	10.60	−40.75	1.43	0.77	1.46	1.60	1.07	−	2	−47	+	7	+18	−	3	−	5	−	2	−23	−	2	−	1	0	−0.50
92957	18 56 18.65	+19 50 51.8	8.02	H	284.077 721 47	+19.847 735 10		1.47	1.66	−5.40	0.58	0.59	0.92	0.78	0.71	−	1	−17	−16	+	1	−33	+23	−30	−26	+32	+	8		0	0.12
92958	18 56 18.76	−55 51 27.5	7.89	G	284.078 187 36	−55.857 645 04		10.76	19.45	−1.30	0.92	0.65	1.15	1.05	0.86	+28	−43	−12	+34	−26	−17	−41	−30	+20	+20				2	1.02
92959	18 56 19.86	−33 16 14.2	7.78	G	284.082 741 59	−33.270 599 21		11.06	39.93	−73.69	1.18	0.73	1.28	1.30	0.88	+	6	−48	−15	+	3	+	8	+12	−	7	−22	+22	−	5	0	0.15
92960	18 56 20.83	−04 24 45.7	10.12	G	284.086 784 78	−04.412 687 74		13.38	−99.07	−341.99	1.56	1.00	1.83	1.71	1.35	+26	−13	+	2	−38	+	0	+	0	+	6	−40	+	2	+24	0	1.58
92961	18 56 21.24	+45 30 52.7	9.29	H	284.088 519 43	+45.514 644 59	B	7.06	24.43	57.21	4.50	4.55	2.59	3.52	3.91	+	6	−	5	+	6	+	6	+21	−	8	+21	+19	+13	+11	5	−0.25
92962	18 56 22.11	+45 30 24.9	8.39	G	284.092 107 86	+45.506 902 99	A	8.53	25.32	57.49	1.61	1.44	1.35	1.89	1.57	−	2	−	5	+	6	+11	+12	+	2	+10	−	5	+27	+	3	5	−0.25
92963	18 56 22.66	−01 47 59.3	6.20	H	284.094 423 08	−01.799 815 38		6.21	−2.93	−19.71	0.61	0.41	0.73	0.55	0.41	−	2	−35	−18	−29	+17	−	4	+10	−41	+14	−23		0	0.84
*92964 H	18 56 23.18	−61 49 09.2	7.06	H	284.096 589 34	−61.819 225 98	A	4.71	14.30	25.77	1.90	1.28	1.68	1.86	1.06	−	4	−14	−	1	+31	−11	−19	+	3	+	0	+	0	+20	0	1.84
*92965	18 56 23.20	−11 19 23.8	7.10	H	284.096 652 45	−11.323 264 68		4.46	−26.72	−24.35	0.83	0.54	0.89	0.79	0.61	+20	−44	−11	−	3	+	4	+	5	+	1	−23	+	5	+10	0	−1.06
*92966	18 56 23.18	−29 41 30.2	8.78	H	284.096 585 15	−29.691 710 87		7.17	27.10	−71.26	1.17	0.71	1.28	1.51	0.83	−	1	−13	−	9	+	6	+	8	−30	−	9	−44	+	7	−32	0	0.58
92967	18 56 23.85	+09 09 45.7	9.27	H	284.099 367 45	+09.162 680 92		2.63	6.56	4.05	1.08	0.85	1.24	1.23	0.99	−24	−27	−	1	−	7	+18	+	8	+15	−22	+13	−14		0	−1.10
92968	18 56 25.60	+02 28 16.3	6.14	H	284.106 654 56	+02.471 203 67		6.23	12.82	−5.61	0.75	0.55	0.80	0.70	0.55	+24	+	2	−	7	−47	−17	−11	−21	−54	−	9	+	1	0	−1.64
92969	18 56 25.74	+65 15 29.4	5.62	H	284.107 252 92	+65.258 153 97		10.39	−15.79	−28.94	0.45	0.41	0.44	0.46	0.46	−	7	−10	+	9	+	9	+13	−	3	+15	+	1	−	2	+	4	1	1.08
92970	18 56 25.88	−75 50 53.7	8.45	H	284.107 841 54	−75.848 256 08		7.37	2.89	3.55	0.65	0.69	0.95	0.80	0.74	−18	−20	+	3	+22	+	4	+	7	+	1	+	5	+	4	−20	0	−1.35
92971	18 56 27.10	−40 34 55.9	7.83	1 H	284.112 897 85	−40.582 183 45		3.27	−12.54	−22.11	0.87	0.59	1.03	1.12	0.72	+	6	−23	+	1	−	5	+14	−	8	+	9	−43	−	4	−	8	0	−0.04
92972 H	18 56 27.23	−31 41 20.4	6.45	H	284.113 461 59	−31.689 001 91	A	4.46	8.80	−9.48	2.27	1.19	1.30	1.60	0.95	+69	−	5	−	6	−	7	−19	−20	−18	−38	+	8	+37		2	0.07
92973	18 56 27.89	−43 21 01.5	9.16	G	284.116 191 16	−43.350 405 16		9.16	−75.62	−185.49	1.26	0.90	1.49	1.83	1.19	+	3	−	8	−19	−27	+32	−17	+23	−55	+18	−12		0	0.05
92974	18 56 29.94	+04 23 16.4	8.38	H	284.124 743 70	+04.387 900 98		2.94	−0.55	−3.28	1.03	0.75	1.21	1.08	0.89	+17	−23	−14	−25	+	0	+	6	−	3	−40	+	7	−	2	0	−0.04
92975	18 56 30.26	−67 40 12.1	8.48	H	284.126 087 08	−67.670 015 20		3.91	8.27	−6.36	0.63	0.72	1.09	0.63	0.76	−19	−15	−	9	−26	−11	+	9	−14	−	6	+10	−15		0	−1.63
92976	18 56 30.55	−30 53 42.4	8.79	H	284.127 291 83	−30.895 104 26		11.51	65.17	19.28	1.32	0.81	1.45	2.11	1.04	−13	−	8	−16	+	5	+16	−38	−	5	−50	+16	−48		0	−0.22
92977	18 56 32.04	−48 59 31.8	6.65	1 H	284.133 503 74	−48.992 171 29		11.10	−6.95	−35.09	0.82	0.55	0.90	1.00	0.64	+15	−33	−15	−23	−	4	−	5	−	9	−48	+	3	−	7	0	0.77
92978	18 56 32.13	+46 45 58.9	7.09	H	284.133 894 20	+46.766 354 93		7.58	7.25	−33.70	0.58	0.50	0.62	0.74	0.55	−18	+11	−14	−16	+23	−29	+17	+	2	+21	−	6			3	−0.36
92979 H	18 56 33.75	−52 17 16.7	8.45	H	284.140 623 17	−52.287 962 35	A	3.21	−2.15	−20.87	1.38	1.08	1.47	1.62	1.17	+29	−12	−	9	−	1	−	2	−	3	+10	−32	+18	+14	2	−0.25
92980	18 56 34.08	−23 08 54.4	7.60	G	284.142 013 09	−23.148 450 30		9.60	−0.42	−100.06	0.98	0.62	1.03	1.23	0.90	+	9	−19	−	6	−	9	−23	+	0	−22	−45	−	1	+14	0	−0.76
92981	18 56 34.39	−54 34 01.5	7.77	H	284.143 311 60	−54.567 086 76		1.28	−8.23	−9.14	0.75	0.59	0.91	0.87	0.65	+26	−16	−11	+10	−44	−	2	−39	−30	−	3	+33		0	2.63
92982	18 56 34.59	+21 49 39.4	8.61	H	284.144 122 13	+21.827 597 48		2.73	−1.85	−18.55	0.53	0.69	1.02	0.72	0.93	+	7	−	7	+	4	−	5	+	1	+	1	−	16	−	1	+13	1	1.90
92983	18 56 36.65	+47 39 23.1	8.69	H	284.152 717 33	+47.656 406 91		8.91	−10.05	−3.20	0.65	0.66	0.74	0.76	0.73	+	8	+	3	+	9	+	2	+15	−16	+14	+24	+	5	+22	4	−1.02
92984	18 56 37.17	+04 15 55.2	6.71	H	284.154 890 96	+04.265 334 43		37.00	−1.75	−85.05	0.74	0.54	0.84	0.74	0.59	−	3	−23	−	9	−22	+	7	+	0	+	6	−45	+	9	−	4	2	1.74
92985	18 56 37.76	−48 04 32.5	7.74	H	284.157 336 87	−48.075 688 19		1.87	−0.18	3.60	0.99	0.67	1.11	1.26	0.76	+	7	−34	−11	−16	+17	−15	+14	−46	−14	−	8			0	1.04
92986	18 56 37.97	+28 11 55.6	6.96	H	284.158 217 79	+28.198 779 54		9.45	8.52	58.29	0.45	0.54	0.70	0.62	0.80	−13	−	3	−	6	+26	−	1	+	3	+	1	+30	+11	−23	0	0.50
92987	18 56 38.57	−72 50 42.6	9.31	H	284.160 709 59	−72.845 176 14		2.54	11.25	−6.70	0.70	0.87	1.18	0.76	0.97	−11	−13	+	0	+28	−	4	−	9	−	4	−	4	+	1	−11	0	−0.67
92988	18 56 38.77	−33 26 54.4	8.59	H	284.161 550 96	−33.448 448 25		3.00	7.48	0.95	1.24	0.69	1.35	1.60	1.09	−11	−30	−10	−	1	+15	−	7	+	6	−44	+21	−20		0	0.04
92989	18 56 40.49	−37 20 35.5	5.36	2 T	284.168 711 14	−37.343 183 39		7.67	8.79	−23.68	0.77	0.52	0.94	1.26	0.76	−10	−23	−42	+13	+31	−33	−	4	−44	+40	−61		0	−0.08
92990	18 56 40.64	−65 28 34.3	7.43	H	284.169 330 79	−65.476 195 36		2.98	24.04	−20.48	0.52	0.54	0.79	0.62	0.52	−	10	−	6	−22	−17	−	4	−15	−	5	−19	−	3	+	5	0	−0.33
92991 H	18 56 41.04	−51 01 38.4	8.39	H	284.170 995 59	−51.027 337 59	*	7.20	−9.72	−27.54	0.89	0.70	1.12	1.21	0.89	+14	−	6	−18	−	4	+	1	−10	−	4	−40	+17	+	6	0	1.57
92992 H	18 56 41.26	+21 22 45.3	7.84	H	284.171 897 55	+21.379 253 38	A	2.38	4.76	8.24	0.67	0.91	1.20	0.76	1.01	+	5	−	8	+18	−	8	−	6	−	3	−	4	−	3	−	4	+	5	1	−0.31
92993	18 56 41.50	−11 26 01.6	9.03	H	284.172 914 03	−11.433 791 23		6.02	5.06	−2.27	1.20	0.79	1.29	1.23	1.02	+28	−45	−28	+13	+16	−	3	+16	−	6	+	8	+38		0	0.79
92994	18 56 43.13	−24 37 14.5	7.51	H	284.179 709 61	−24.620 695 65		6.87	8.30	−12.61	1.03	0.57	1.09	1.05	0.68	−	5	−52	+12	+12	−17

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data										Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
92901	7.789	0.007	6.806	0.006		0.862	0.007	T	0.87	0.01	L	6.8518	0.0011	0.009	84		6.84	6.87					1							S
92902	8.870	0.015	6.953	0.007		1.610	0.015	G	1.71	0.02	A	6.8794	0.0009	0.009	83		6.87	6.90					1							S
92903	11.570	0.114	10.153	0.053	C						T *	10.1277	0.0038	0.030	67	*	10.07	10.18		D	18557+1255	I 3	2 C A	CD	315	3.409	0.024	1.61	0.10	D
92904	7.485	0.006	7.409	0.008		0.106	0.015	G	0.15	0.02	A	7.4318	0.0016	0.011	99		7.42	7.45					1							S
92905	10.449	0.036	9.309	0.022		0.980	0.033	T	0.96	0.03	L	9.3751	0.0020	0.021	93		9.34	9.41		C			1							
92906	10.282	0.026	8.644	0.012		1.371	0.023	T	1.34	0.03	L	8.6481	0.0022	0.021	130		8.61	8.68		C			1							S
92907	11.008	0.073	9.239	0.029		1.474	0.062	T	1.49	0.09	L	9.1744	0.0042	0.035	57		9.11	9.21		U			1 S							
92908	8.317	0.008	8.102	0.009		0.205	0.011	T	0.23	0.01	L	8.1501	0.0011	0.012	121		8.13	8.17		C			1							S
92909	7.256	0.006	7.065	0.008	*	0.150	0.015	G	0.17	0.01	H *	7.0991	0.0010	0.008	75	*	7.09	7.11		D	18558+0327	I 1	2 C A	AB	77	0.256	0.004	0.27	0.10	S
92910	9.704	0.021	9.015	0.018		0.624	0.021	T	0.69	0.02	L	9.0528	0.0018	0.016	100		9.03	9.08		D			1							
92911	7.576	0.006	7.617	0.008		−0.033	0.009	T	−0.01	0.01	L	7.6180	0.0010	0.011	135		7.60	7.63		C			1							S
92912	8.735	0.014	8.306	0.014		0.400	0.015	G	0.47	0.02	H	8.3651	0.0022	0.015	75		8.34	8.39					1							
92913	8.655	0.011	8.239	0.012		0.412	0.015	G	0.48	0.02	H	8.2918	0.0017	0.012	93		8.27	8.31		C			1							
92914	8.941	0.013	7.525	0.007		1.199	0.002	G	1.14	0.06	F	7.5569	0.0012	0.009	109		7.54	7.58					1							
92915	9.225	0.017	8.539	0.015		0.622	0.017	T	0.69	0.01	L	8.5983	0.0017	0.017	91		8.57	8.63					1							
92916						1.395	0.020	G	1.66	0.05	I	12.2919	0.0067	0.059	110		12.19	12.42					1							G
92917	9.885	0.028	8.484	0.016		1.184	0.025	T	1.14	0.02	L	8.4863	0.0011	0.011	78		8.47	8.51		C			1							
92918	8.404	0.014	7.542	0.008		0.747	0.029	G	0.78	0.02	A	7.5991	0.0009	0.011	80		7.58	7.62					1							
92919	9.376	0.014	8.286	0.010		0.910	0.005	G	0.95	0.01	I	8.3069	0.0032	0.047	174		8.24	8.40		U 2 C			1							P
92920	8.202	0.008	6.799	0.005		1.200	0.015	G	1.16	0.01	I	6.8305	0.0010	0.009	122		6.82	6.85		C			1							S
92921	8.005	0.009	7.968	0.013		0.039	0.015	T	0.05	0.01	L	8.0051	0.0018	0.014	112		7.98	8.03					1							S
92922	10.104	0.027	9.216	0.020		0.791	0.025	T	0.82	0.02	L	9.2738	0.0019	0.021	128		9.22	9.32					1							
92923	9.623	0.010	8.605	0.007		0.888	0.009	T	0.89	0.01	L	8.6610	0.0015	0.019	284		8.63	8.69					1							
92924	8.834	0.015	8.806	0.020		0.031	0.023	T	0.05	0.02	L	8.8418	0.0018	0.015	61		8.81	8.88		C			1							
92925	9.290	0.016	7.669	0.008		1.357	0.014	T	1.32	0.02	L	7.6741	0.0012	0.011	110		7.66	7.69		C			1							S
92926	7.072	0.006	6.963	0.006	A	0.200	0.495	G	0.08	0.01	L *	6.9536	0.0008	0.008	113	*	6.94	6.97		D	18559+4414	I 1	2 C A	AC	258	2.674	0.021	3.52	0.11	S D
92927	8.593	0.015	8.148	0.014	*	0.408	0.015	G	0.47	0.02	H *	8.1541	0.0015	0.012	75	*	8.14	8.18		D	18560−2808	I 1	2 C A	AB	121	0.902	0.006	0.83	0.02	S
92928	6.616	0.003	6.571	0.004		0.041	0.004	T	0.06	0.02	A	6.5927	0.0008	0.009	132		6.58	6.61					1							S
92929	8.029	0.010	7.446	0.009		0.569	0.015	G	0.64	0.01	H	7.4777	0.0011	0.008	71		7.46	7.50		C	18560−2503	I 1	1							S
92930	7.693	0.007	7.377	0.008		0.300	0.010	T	0.34	0.01	L	7.4246	0.0016	0.012	86		7.41	7.44		C			1							S
92931	5.890	0.004	5.918	0.005		−0.021	0.006	T	0.00	0.01	L	5.9156	0.0008	0.006	68		5.91	5.93		C			1 G							S
92932	8.076	0.008	8.116	0.010	A	−0.032	0.012	T	−0.01	0.01	L	8.1613	0.0182	0.018	121	A	8.09	8.19		D	18560+3347	I 2	1 C P D							D
92933	9.959	0.030	9.429	0.028	B	0.497	0.037	T	0.57	0.04	L	9.6086	0.0529			B				D	18560+3347	I 2	1 C I D							D
92934	6.549	0.004	6.632	0.005		−0.071	0.006	T	−0.05	0.01	L	6.6279	0.0010	0.010	100		6.61	6.64					1							S
92935	9.886	0.025	7.995	0.011		1.540	0.015	G	1.58	0.07	L	7.9682	0.0014	0.015	103		7.95	7.99					1							
92936	8.401	0.013	7.751	0.012		0.604	0.015	T	0.67	0.01	L	7.7898	0.0029	0.014	68		7.77	7.82					1							S
92937	7.104	0.006	5.821	0.003		1.092	0.005	T	1.05	0.01	L	5.8588	0.0007	0.006	99		5.85	5.87		C			1							S
92938	10.341	0.038	8.642	0.017		1.419	0.033	T	1.40	0.05	L	8.6133	0.0021	0.016	74		8.58	8.63					1							
92939	9.534	0.011	8.238	0.006		1.102	0.010	T	1.06	0.01	L	8.2872	0.0012	0.020	271		8.26	8.32		M			1							
92940	7.531	0.007	7.317	0.009		0.198	0.011	T	0.22	0.01	L	7.3462	0.0011	0.008	86		7.33	7.36		C			1							S
92941	10.713	0.044	9.494	0.024		1.042	0.039	T	1.01	0.03	L	9.5348	0.0027	0.021	98		9.50	9.57					1							
92942	9.083	0.014	8.694	0.014		0.368	0.018	T	0.43	0.02	L	8.7571	0.0020	0.016	115		8.73	8.78		C			1							
92943	8.319	0.010	8.139	0.012		0.172	0.015	T	0.19	0.01	L	8.1619	0.0028	0.025	71		8.13	8.29		U 2			1							
92944	10.315	0.028	8.686	0.013		1.363	0.024	T	1.33	0.03	L	8.6886	0.0019	0.019	126		8.66	8.73					1							
92945											T	12.0472	0.0114	0.066	68		11.91	12.14					1							D
92946	4.816	0.003	4.631	0.002	A	0.161	0.010	G	0.20	0.02	A	4.6864	0.0655	0.098	80	A	4.46	4.76		D	18563+0413	I 3	1 C P A							S
92947	10.202	0.029	9.023	0.018		1.011	0.027	T	0.99	0.02	L	9.0476	0.0024	0.021	92		9.02	9.09					1							
92948	10.642	0.041	8.864	0.016		1.481	0.035	T	1.50	0.05	L	8.8393	0.0017	0.015	100		8.81	8.88		C			1							
92949	9.888	0.030	8.644	0.019		1.061	0.028	T	1.03	0.02	L	8.6930	0.0014	0.013	67		8.67	8.71		C			1							
92950	7.880	0.011	6.744	0.008		0.977	0.011	T	0.96	0.01	L	6.7973	0.0011	0.009	70		6.78	6.81		C			1							S
92951	5.218	0.003	4.987	0.003	B	0.204	0.008	G	0.22	0.01	H	5.0560	0.0828			B				D	18563+0413	I 3	1 C I A							S
92952	12.114	0.168	10.622	0.071	*	1.588	0.082	G	2.57	0.19	I *	10.5395	0.0041	0.038	110	*	10.47	10.63		D	18563+5431	I 1	2 C A	AC	306	0.445	0.007	0.23	0.05	G
92953	6.615	0.005	5.459	0.004		0.998	0.002	G	0.98	0.00	H	5.5081	0.0007	0.006	88		5.50	5.52		C			1							S
92954	8.210	0.007	7.899	0.008		0.295	0.010	T	0.34	0.01	L	7.9305	0.0013	0.017	155		7.90	7.96					1							S
92955	8.382	0.009	8.174	0.010	*	0.200	0.015	G	0.22	0.02	H *	8.1897	0.0026	0.019	104	*	8.16	8.22		U	18563−0048	I 1	2 C D	AB	83	0.919	0.036	3.34	0.11	D
92956	9.734	0.031	9.154	0.029		0.544	0.031	T	0.62	0.03	L	9.2321	0.0025	0.023	71		9.20	9.27		C			1							
92957	8.013	0.006	8.024	0.007		0.011	0.011	G	0.03	0.01	H	8.0330	0.0016	0.016	169		8.01	8.07					1							S
92958	8.480	0.012	7.944	0.010		0.506	0.007	G	0.58	0.01	H	7.9994	0.0018	0.013	98		7.98	8.02					1 G							S
92959	8.452	0.010	7.829	0.007		0.573	0.015	G	0.65	0.01	H	7.9057	0.0014	0.012	79		7.89	7.93		C			1 G							S
92960	10.999	0.046	10.203	0.037		0.702	0.008	G	0.75	0.01	H	10.2601	0.0030	0.027	114		10.21	10.32					1							G
92961	9.925	0.027	9.361	0.026	B	0.528	0.033	T	0.60	0.04	L	9.4019	0.0119			B				D	18564+4531	I 2	1 C I B							
92962	8.914	0.012	8.388	0.011	A	0.491	0.015	G	0.56	0.02	H	8.4815	0.0068	0.024	109	A	8.43	8.51		D	18564+4531	I 2	1 C P B							S
92963	6.137	0.004	6.193	0.004		−0.046	0.005	T	−0.02	0.01	L	6.1963	0.0007	0.006	104		6.19	6.21					1							S
92964	7.573	0.007	7.139	0.007	*	0.406	0.009	G	0.47	0.01	H *	7.1555	0.0013	0.011	114	*	7.14	7.18		D	18564−6149	I 1	2 C A	AB	83	0.500	0.003	0.14	0.02	S
92965	9.261	0.018	7.317	0.008		1.613	0.016	T	1.63	0.02	L	7.2159	0.0010	0.008	75		7.21	7.23		C	18564−1119	I 1	1							S
92966	9.647	0.023	8.853	0.019		0.704	0.023	T	0.76	0.02	L	8.9162	0.0029	0.018	81		8.89	8.95					1							
92967	9.389	0.018	9.253	0.022		0.131	0.027	T	0.15	0.03	L	9.3167	0.0026	0.015	79		9.30	9.36		C			1							
92968	7.383	0.006	6.245	0.004		0.961	0.008	G	0.95	0.01	H	6.3037	0.0008	0.007	85		6.29	6.32		C	18564+0229	I 1	1							S
92969	6.815	0.004	5.730	0.003		0.938	0.004	T	0.93	0.00	L	5.7867	0.0009	0.007	111		5.78	5.80					1							S
92970	8.957	0.010	8.483	0.010		0.446	0.013	T	0.52	0.01	L	8.5454	0.0017	0.016	153		8.51	8.58					1							
92971	9.934	0.023	8.017	0.010		1.626	0.021	T	1.94	0.06	O	7.9098	0.0020	0.019	110		7.89	7.94		U			1							
92972	8.036	0.008	6.586	0.005	*	1.223	0.007	T	1.18	0.01	L *	6.6111	0.0007	0.006	78	*	6.60	6.63		D	18565−3141	H 1	2 C A	AB	252	0.379	0.030	2.70	0.15	S
92973	9.851	0.026	9.192	0.023		0.577	0.002	G	0.65	0.00	H	9.2860	0.0026	0.018	77		9.26	9.33					1							
92974	11.363	0.123	8.715	0.025		2.290	0.015	G	2.31	0.09	H	8.4229	0.0029	0.015	81		8.40	8.45					1							
92975	9.807	0.018	8.603	0.011		1.030	0.016	T	1.00	0.01	L	8.6479	0.0018	0.018	178		8.62	8.68					1							
92976	9.586	0.025	8.859	0.022		0.653	0.025	T	0.72	0.02	L	8.9228	0.0027	0.019	63		8.89	8.99		C			1							
92977	7.709	0.010	6.760	0.006		0.836	0.009	T	0.85	0.01	L	6.8036	0.0010	0.013	74		6.79	6.83		M			1							S
92978	7.237	0.005	7.108	0.007		0.125	0.008	T	0.14	0.01	L	7.1367	0.0010	0.010	108		7.12	7.16					1							S
92979	8.530	0.012	8.468	0.014	A	0.000	0.495	G	0.03	0.02	L *	8.4596	0.0024	0.017	80	*	8.43	8.49		D	18566−5217	I 1	2 C A	AB	40	1.817	0.019	2.79	0.08	
92980	8.113	0.013	7.667	0.013		0.481	0.015	G	0.55	0.02	H	7.7077	0.0019	0.010	66		7.69	7.73		C			1							S
92981	7.832	0.008	7.779	0.010		0.054	0.012	T	0.07	0.01	L	7.7935	0.0012	0.011	95		7.77	7.81		C			1							S
92982	10.190	0.020	8.776	0.011		1.194	0.018	T	1.15	0.02	L	8.7741	0.0016	0.022	228		8.73	8.81					1 S							
92983	9.317	0.014	8.761	0.013		0.521	0.017	T	0.59	0.02	L	8.8033	0.0017	0.017	118		8.77	8.83		C			1							
92984	7.404	0.009	6.777	0.008		0.583	0.010	T	0.65	0.01	L	6.8384	0.0016	0.010	81		6.82	6.85			18563+0413	I 3	1							S
92985	9.527	0.021	7.897	0.011		1.364	0.019	T	1.33	0.02	L	7.8868	0.0021	0.017	81		7.86	7.91					1							S
92986	8.387	0.009	7.075	0.005		1.114	0.008	T	1.08	0.01	L	7.1258	0.0009	0.010	152		7.11	7.14		C			1							S
92987	9.685	0.014	9.350	0.015		0.323	0.022	T	0.37	0.03	L	9.3905	0.0022	0.027	192		9.35	9.44		C			1							
92988	10.578	0.040	8.780	0.016		1.497	0.034	T	1.52	0.05	L	8.7197	0.0019	0.015	73		8.69	8.74		C			1							
92989	5.172	0.005	5.336	0.005		−0.147	0.003	G	−0.14	0.00	H	5.3103	0.0045	0.026	72		5.29	5.36	3.67	P 1 A			1							S P
92990	9.029	0.011	7.565	0.006		1.234	0.010	T	1.19	0.01	L	7.5931	0.0012	0.011	155		7.57	7.62					1							S
92991	8.880	0.013	8.442	0.013	*	0.427	0.014	T	0.49	0.01	L *	8.4812	0.0019	0.018	75	*	8.46	8.52			18567−5102	I 1	2 C S C	AB	252	0.194	0.061	1.39	1.20	S
92992	9.275	0.010	7.986	0.006	*	1.096	0.009	T	1.06	0.01	L *	8.0073	0.0012	0.015	264	*	7.98	8.04		D	18567+2123	H 1	2 C A	AB	349	0.598	0.008	2.37	0.03	
92993	9.343	0.020	9.087	0.022		0.305	0.020	G	0.35	0.03	H	9.1079	0.0029	0.016	75		9.08	9.14		C			1							
92994	8.961	0.015	7.651	0.009		1.113	0.014	T	1.08	0.01	L	7.6801	0.0010	0.011	78		7.66	7.70					1							
92995	7.941	0.008	7.784	0.011		0.151	0.013	T	0.17	0.01	L	7.8056	0.0011	0.013	82		7.79	7.83		C	18567−0825	I 1	1							S
92996	9.049	0.015	7.245	0.007		1.502	0.013	T	1.53	0.02	L	7.2201	0.0013	0.010	82		7.20	7.24					1							S
92997	7.163	0.005	5.799	0.003		1.155	0.005	T	1.12	0.01	L	5.8367	0.0006	0.005	108		5.83	5.85		C			1							S
92998	10.046	0.031	9.406	0.028		0.588	0.031	T	0.66	0.03	L	9.4715	0.0043	0.025	73		9.43	9.51					1							
92999	11.087	0.077	9.052	0.023		1.685	0.064	T	1.71	0.07	L	8.9571	0.0020	0.014	57		8.93	8.98		C			1							
93000	7.387	0.005	7.194	0.009		0.185	0.010	T	0.20	0.01	L	7.2238	0.0009	0.009	83		7.21	7.24		C	18568−1451	I 1	1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)											Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	α*	δ	π	$\mu_{\alpha*}$	μ_δ	δ	π	α*	δ	π	$\mu_{\alpha*}$	α*	δ	π	μ_δ	$\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr		α*	α*	δ	δ	δ	δ	π	π	π	π	μ_δ	%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
93001	18 56 46.29	+27 39 37.7	9.13	H	284.192 871 06	+27.660 471 13		2.26	21.55	1.97	0.86	0.96	1.34	1.15	1.37	− 7	− 2	− 3	+46	+ 0	+ 6	− 1	+32	−22	−25		0	1.53
93002	18 56 46.54	−30 01 43.4	8.90	H	284.193 918 94	−30.028 711 16		16.21	7.11	−60.74	1.24	0.77	1.47	1.72	0.95	−12	+ 5	−33	− 9	+28	−43	+ 7	−54	+32	−42		0	0.08
93003	18 56 46.75	+28 17 40.4	9.33	H	284.194 778 85	+28.294 568 97		4.59	15.66	14.39	0.78	0.92	1.31	0.99	1.34	−19	− 5	−10	+27	− 2	− 2	− 3	+19	+25	−28		0	−0.42
93004	18 56 47.20	−14 01 40.7	7.80	H	284.196 655 12	−14.027 962 04		3.31	3.51	−11.02	0.86	0.52	0.88	1.22	0.76	−10	−15	− 6	+28	−12	+13	−20	−19	− 4	−30		0	0.62
93005	18 56 47.29	−39 30 28.4	7.62	G	284.197 061 83	−39.507 893 14		3.84	8.14	−14.03	0.91	0.51	1.04	1.03	0.65	+18	−45	−13	+ 5	+15	+ 8	+14	−34	− 2	+ 7		0	0.02
93006	18 56 48.25	−05 39 56.5	8.40	H	284.201 030 20	−05.665 700 84		6.71	2.39	10.52	0.94	0.68	1.16	1.12	0.94	+18	−16	− 3	− 9	+ 5	+24	+ 9	−21	−20	+ 2		0	0.59
93007	18 56 49.43	+68 17 32.6	7.62	H	284.205 971 85	+68.292 390 59		23.47	−112.00	−3.42	0.58	0.53	0.58	0.63	0.62	+ 0	−16	− 3	− 4	+11	+ 2	+10	+ 4	+ 6	+10		0	−1.57
93008	18 56 51.29	+10 49 51.0	9.44	H	284.213 717 60	+10.830 832 55		4.34	−7.78	6.32	1.16	0.93	1.51	1.25	1.03	+ 7	−37	−25	−23	+ 2	+11	− 3	−28	+18	−13		2	1.00
93009	18 56 51.65	−32 21 10.3	8.41	H	284.215 192 71	−32.352 866 79		1.91	20.56	−0.43	1.16	0.64	1.24	1.37	0.87	− 3	−36	−15	+16	− 9	− 5	−23	−33	+13	−29		0	2.05
93010	18 56 53.21	−49 50 42.9	8.52	G	284.221 692 61	−49.845 256 69		3.89	2.21	−5.70	0.99	0.71	1.11	1.36	0.95	+23	−20	− 9	−24	−11	− 6	−15	−47	+ 4	+11		0	1.44
93011	18 56 53.36	+48 41 38.4	9.62	H	284.222 353 51	+48.693 996 39		4.79	1.08	−4.02	0.66	0.69	0.75	0.78	0.88	+11	− 6	− 8	− 6	− 1	+19	− 1	+ 7	+11	+20		0	0.68
93012	18 56 54.70	−62 48 06.9	6.47	G	284.227 915 32	−62.801 917 74		2.87	3.41	5.45	0.60	0.56	0.83	0.81	0.55	−10	−16	−16	+ 7	−13	−20	−12	−13	− 3	−16		0	0.02
93013 H	18 56 55.18	+56 44 57.4	7.11	G	284.229 908 74	+56.749 276 64	A	7.05	36.77	40.62	0.70	0.68	0.64	0.76	0.81	+14	+ 3	− 2	+28	+14	− 6	+19	+22	−14	+21		0	0.64
93014	18 56 56.53	−33 19 45.9	7.16	H	284.235 541 55	−33.329 426 46		4.77	−0.67	−10.48	0.97	0.52	1.03	1.23	0.78	− 5	−37	−20	+27	+ 3	− 4	−13	−20	+25	−28		0	0.54
93015	18 56 57.04	−67 14 00.7	4.40	3 T	284.237 669 42	−67.233 535 11		6.00	−7.83	16.65	0.41	0.45	0.67	0.39	0.42	− 7	−13	−29	−41	− 5	+ 3	− 5	−35	+13	−14		2	0.31
93016	18 56 58.05	+02 27 42.2	7.65	H	284.241 872 08	+02.461 717 06		7.83	30.64	−10.92	0.87	0.62	0.93	0.88	0.66	+21	+10	− 5	−45	−12	−20	−15	−48	− 8	+ 9		0	−1.05
93017 H	18 57 01.47	+32 54 05.8	5.20	H	284.256 123 03	+32.901 623 51	A	66.76	202.85	−143.97	0.49	0.49	0.54	0.46	0.49	+13	+ 5	− 8	+17	+11	− 7	+12	+13	+ 7	+14		3	0.22
93018	18 57 01.69	+45 50 58.5	11.14	H																								
93019	18 57 01.87	+51 30 15.3	8.29	H	284.257 775 31	+51.504 251 11		2.08	6.42	4.64	0.60	0.57	0.64	0.81	0.85	+ 0	−10	− 2	+20	− 4	+14	− 2	+ 8	+ 1	+16		2	−1.72
93020	18 57 02.50	+22 48 30.5	8.08	G	284.260 397 40	+22.808 484 00		9.32	−6.34	−9.09	0.52	0.61	0.92	0.70	0.77	+ 2	− 5	−20	+ 1	+ 1	+ 2	+ 2	−24	+18	+ 9		1	1.01
93021	18 57 02.64	−45 06 10.3	11.39	G	284.261 007 00	−45.102 855 11		−8.97	4.48	−10.41	2.76	1.77	2.97	3.74	2.36	+13	−34	−14	+ 7	+ 5	−11	+ 0	−39	+ 7	+ 6		0	−0.39
*93022	18 57 03.04	+45 51 21.3	7.39	H	284.262 682 53	+45.855 903 65		3.23	0.43	20.83	0.59	0.55	0.66	0.77	0.64	−14	+11	−17	−11	+23	−18	+19	+ 1	+24	− 2		0	0.01
*93023	18 57 02.96	+25 59 58.1	8.00	H	284.262 346 05	+25.999 482 21		4.98	−5.76	−4.20	0.44	0.56	0.77	0.51	0.64	− 5	− 8	− 5	+13	+18	+ 3	+18	+12	+ 3	− 6		0	0.05
93024	18 57 03.20	+32 08 19.5	8.42	H	284.263 334 44	+32.138 756 91		4.60	0.50	−4.01	0.54	0.55	0.73	0.63	0.68	+ 0	+ 6	− 3	+ 2	+14	+ 2	+16	+15	+ 7	− 4		1	1.41
93025	18 57 03.33	+24 07 13.4	9.09	H	284.263 883 52	+24.120 393 01		0.39	2.50	−12.46	0.66	0.87	1.23	0.65	1.00	+ 3	+ 3	− 2	+47	+35	− 2	+33	+ 3	+11	−12		0	0.11
93026	18 57 03.63	−05 50 46.4	4.83	H	284.265 142 17	−05.846 214 26		15.77	60.77	−40.90	0.74	0.52	0.89	0.91	0.72	+ 9	−12	− 4	+ 2	− 4	+25	− 5	−27	−27	−12		0	0.47
93027	18 57 04.29	−38 54 51.9	7.15	H	284.267 854 61	−38.914 406 54		4.31	−5.67	−13.61	0.84	0.49	0.93	1.05	0.65	+ 8	−33	−15	+21	+23	− 1	+10	−23	+21	− 8		0	1.26
93028	18 57 04.47	+01 30 01.6	7.61	H	284.268 632 32	+01.500 455 91		8.66	5.92	−1.60	0.85	0.61	0.96	0.89	0.70	+29	−19	−10	−27	−14	+16	−13	−34	+ 5	+27		0	0.82
93029	18 57 04.90	+51 43 15.5	7.90	H	284.270 427 28	+51.720 979 39		12.01	43.42	−5.58	0.57	0.61	0.65	0.69	0.84	+ 2	−11	−10	+14	− 7	+20	− 7	+20	− 5	+16		2	−1.51
93030 H	18 57 04.99	+24 55 31.2	9.89	H	284.270 793 98	+24.925 347 14	A	12.21	−83.00	−94.82	1.62	2.01	2.44	1.49	1.79	− 1	−14	+ 6	+42	+20	− 5	+14	+ 1	+11	−10		1	2.19
93031	18 57 05.10	−36 44 57.9	9.28	H	284.271 237 26	−36.749 419 67		12.75	87.48	−24.25	1.42	0.91	1.73	2.66	1.71	−11	−18	−37	+22	+21	−35	−15	−35	+49	−66		5	−0.04
93032	18 57 05.11	+32 00 02.7	7.28	H	284.271 287 86	+32.000 744 64		5.91	10.23	25.87	0.47	0.51	0.66	0.55	0.61	+ 3	+ 5	+ 2	+14	+17	+ 5	+17	+13	+11	+ 2		1	0.76
93033	18 57 06.17	+16 43 50.8	8.54	H	284.275 716 68	+16.730 789 35		3.33	6.85	−15.80	0.77	0.81	1.15	1.04	1.02	+36	+ 1	+10	+51	+ 2	+18	+ 9	+15	+23	+51		0	0.61
93034	18 57 06.37	+38 47 54.5	7.32	H	284.276 539 10	+38.798 478 40		2.99	2.40	−8.00	0.57	0.56	0.69	0.68	0.68	+ 3	+ 0	−10	+ 6	+ 7	−19	+ 7	−10	+ 7	+ 8		0	−0.66
93035	18 57 06.46	−47 34 42.8	8.14	H	284.276 932 59	−47.578 542 66		1.29	3.98	−11.88	1.00	0.70	1.13	1.15	0.79	+19	−29	−11	−18	− 2	− 8	+ 0	−53	−14	+15		0	0.24
93036	18 57 06.50	−28 06 56.9	8.91	H	284.277 070 56	−28.115 794 74		13.30	15.04	−18.71	1.24	0.72	1.37	1.71	0.98	− 4	−22	−18	− 3	+13	−23	− 7	−52	+13	−38		0	−1.42
93037 H	18 57 07.56	+34 51 20.6	7.53	H	284.281 490 05	+34.855 733 04	*	13.73	−20.25	−84.43	0.49	0.53	0.64	0.57	0.63	−11	−11	− 3	+11	+ 9	−17	+ 9	+ 6	+ 5	− 5		1	2.09
93038 H	18 57 07.83	+26 05 45.1	7.32	H	284.282 614 85	+26.095 874 01	A	5.44	2.64	3.34	1.22	1.20	1.66	1.44	1.38	+ 2	− 1	+ 8	+13	+14	−12	+14	+ 1	+10	− 4		1	1.05
93039 H	18 57 09.23	−23 51 58.2	10.24	H	284.288 443 00	−23.866 158 40	A	−1.87	11.01	−27.50	8.28	5.36	5.78	12.63	8.20	−19	−34	− 7	− 8	+16	+ 4	+11	−41	− 2	−33		1	1.97
*93040 H	18 57 09.46	−23 52 07.5	10.44	H	284.289 414 84	−23.868 758 17	B	1.54	−14.16	−22.99	15.82	9.45	6.67	22.84	13.84	−25	−31	− 2	+ 0	+11	− 9	+ 7	−32	− 1	−33		1	1.97
*93041	18 57 09.44	−25 27 54.3	8.30	H	284.289 331 74	−25.465 084 37		3.82	−2.41	−11.28	1.21	0.61	1.25	1.32	0.77	−10	−49	− 3	+ 7	− 4	+ 2	−13	−35	+ 3	−31		0	−0.52
93042	18 57 10.57	+36 28 11.5	6.70	H	284.294 039 48	+36.469 863 72		4.52	−2.23	0.79	0.43	0.46	0.55	0.45	0.53	−11	+ 1	− 9	+ 4	+12	−10	+13	+16	+ 3	−13		1	0.03
93043	18 57 11.16	+26 49 55.4	9.04	H	284.296 508 55	+26.832 058 65		2.03	−5.09	−9.70	0.62	0.77	1.04	0.77	1.07	+ 8	−16	− 6	+15	+ 5	− 4	+ 9	+27	− 6	−11		2	−1.05
93044 H	18 57 11.55	+14 49 58.8	7.12	G	284.298 135 86	+14.833 003 85	A	4.62	17.57	6.67	0.99	0.85	1.10	1.16	0.99	+20	− 8	+ 1	− 6	+29	+47	+22	+ 9	+42	+56		0	0.14
*93045	18 57 12.53	+06 01 17.3	8.22	H	284.302 223 96	+06.021 458 62		4.48	1.10	−11.85	0.96	0.77	1.16	1.01	0.88	+ 5	−28	− 1	−27	− 8	+ 6	− 3	−42	−12	+12		4	1.18
*93046	18 57 12.53	+13 22 21.0	7.20	G	284.302 219 66	+13.372 487 51		5.47	20.17	4.13	0.83	0.60	0.89	1.09	0.71	− 5	−16	−14	+16	+16	+ 1	+14	−17	+19	+ 3		0	1.80
93047	18 57 12.97	+07 34 02.5	12.86	H	284.304 042 05	+07.567 373 87		−17.28	9.55	−4.46	5.17	4.19	6.49	6.05	4.66	+26	− 8	+ 2	−25	− 7	−23	− 9	−30	+20	+10		4	1.22
93048	18 57 13.89	+53 56 09.2	8.80	H	284.307 890 46	+53.935 899 14		2.93	−28.41	25.08	0.79	0.63	0.80	0.81	0.73	+10	− 4	+18	−12	+15	+ 6	+15	− 1	−23	+21		4	0.58
93049	18 57 14.31	−43 55 01.0	6.27	H	284.309 630 32	−43.916 945 30		4.58	−0.13	−27.60	0.70	0.45	0.79	0.92	0.57	+ 9	−20	−15	+ 5	+20	+ 1	+11	−32	+11	− 9		0	0.40
93050	18 57 16.51	+10 37 25.1	8.86	G	284.318 810 27	+10.623 636 40		7.81	−0.11	2.70	1.10	0.80	1.32	1.26	0.97	+ 3	−37	− 6	− 7	+ 7	+ 3	− 1	−23	+20	+ 0		2	0.26
93051	18 57 16.59	+02 32 07.4	5.56	H	284.319 139 09	+02.535 376 80		2.96	−4.70	−12.53	0.66	0.50	0.74	0.64	0.52	+14	− 4	+ 6	−42	−11	− 9	−12	−52	−19	− 5		0	−0.96
93052	18 57 16.76	−66 19 54.1	7.61	G	284.319 838 25	−66.331 706 66		10.92	75.62	−42.02	0.46	0.49	0.81	0.55	0.58	+ 3	− 4	−11	−36	+ 7	− 7	− 3	−14	+ 9	+36		0	0.50
93053	18 57 17.34	+62 23 48.7	6.50	H	284.322 232 49	+62.396 872 23	A	10.70	5.86	−40.72	0.75	0.63	0.65	0.90	0.68	+ 6	−13	− 9	−13	+20	− 7	+14	− 4	+ 9	+15		3	0.78
93054	18 57 17.79	−38 48 06.7	9.41	H	284.324 125 03	−38.801 852 99		6.71	−7.21	−43.92	1.38	0.80	1.60	1.87	1.13	+22	−31	−34	+29	+22	− 8	− 5	−34	+35	−19		0	0.58
93055	18 57 17.84	−55 49 59.2	7.93	G	284.324 334 21	−55.833 098 10		9.31	−0.62	−37.19	0.91	0.65	1.09	0.99	0.75	+17	−37	− 4	+38	−26	−15	−19	−17	− 1	+29		0	0.77
93056	18 57 17.91	−44 18 04.7	7.54	H	284.324 640 81	−44.301 319 06		4.39	−4.09	−19.47	0.86	0.56	0.98	1.12	0.75	+17	−12	−13	− 3	+ 9	+ 5	+ 8	−37	+ 9	+15		0	−0.35
93057	18 57 20.48	−20 39 22.8	5.02	H	284.335 323 64	−20.656 334 39		0.65	−1.58	−4.75	0.72	0.45	0.77	0.88	0.62	−14	−21	+ 3	+ 3	+13	+26	+14	−20	+14	+ 1		0	0.97
93058	18 57 20.73	−63 22 45.4	9.08	G	284.336 370 24	−63.379 266 28		0.33	5.59	0.20	1.03	0.93	1.25	1.47	1.00	− 6	− 9	− 8	+ 2	−28	− 3	−21	−11	−13	−10		0	1.24
93059	18 57 21.31	+71 59 54.7	8.65	H	284.338 775 39	+71.998 523 51		2.09	−8.68	6.21	0.75	0.64	0.75	0.82	0.79	+ 6	−36	− 3	− 2	+ 7	+ 0	+ 2	+12	+ 6	+19		0	3.12
93060	18 57 22.96	+17 40 27.1	9.59	H	284.345 662 78	+17.674 207 52		3.72	1.67	−12.39	1.06	1.13	1.57	1.18	1.27	+37	− 8	−25	+16	+ 3	+27	+ 9	− 3	+31	+47		0	0.51
93061	18 57 23.45	+45 49 52.4	8.10	H	284.347 698 14	+45.831 222 96		2.44	−14.40	−17.37	0.66	0.62	0.77	0.87	0.73	− 8	+ 7	−23	−14	+16	−26	+11	−19	+30	+ 1		0	0.97
93062	18 57 23.55	+64 49 51.0	8.22	H	284.348 116 89	+64.830 830 94		8.33	−18.27	−92.22	0.62	0.63	0.65	0.61	0.69	− 8	−18	+10	+22	+ 8	− 3	+12	+17	−14	+ 5		1	0.25
93063	18 57 24.27	−00 43 48.8	11.16	3 H	284.351 117 33	−00.730 222 86		−2.77	−1.44	−2.91	1.91	1.39	2.43	2.28	1.72	− 4	−12	−13	−19	+18	+24	+21	−23	− 1	−30		7	1.32
93064	18 57 25.42	+42 06 13.7	7.25	H	284.355 914 57	+42.103 811 63		8.46	−79.63	−145.73	0.50	0.54	0.60	0.52	0.68	+ 4	− 6	− 4	+ 9	+11	− 4	+13	+26	−13	+ 7		0	−0.76
93065	18 57 25.60	−13 06 04.8	8.07	H	284.356 672 85	−13.101 334 96		3.23	9.99	−1.62	0.89	0.58	0.97	1.01	0.80	+ 6	−28	− 7	+ 1	− 1	+15	+ 5	−24	+14	+32		0	0.28
93066	18 57 25.63	−40 14 20.6	9.29	H	284.356 797 45	−40.239 054 20		8.07	−24.90	−28.86	1.15	0.76	1.41	1.39	0.94	+18	−15	+10	− 6	+19	+ 2	+18	−43	− 4	+13		3	−0.25
93067	18 57 25.97	+18 35 14.3	8.17	H	284.358 196 88	+18.587 301 74		2.64	−1.59	−4.06	0.72	0.66	0.99	0.80	0.72	+24	−21	−25	+22	− 1	+20	− 1	− 6	+26	+26		0	−0.58
93068 H	18 57 28.46	+58 13 29.7	6.47	G	284.368 588 77	+58.224 916 47	A	8.59	16.42	45.04	1.02	1.02	0.98	0.94	1.06	+16	+16	+ 3	+ 8	+ 6	+16	+ 7	+17	+10	+28		2	−0.07
93069 H	18 57 30.60	−55 59 26.9	8.86	G	284.377 497 32	−55.990 816 10	A	79.14	1.09	−441.72	2.85	2.55	3.01	2.42	2.17	+42	−23	−12	+14	−30	− 7	−28	−32	+ 5	+52		7	2.07
93070	18 57 31.18	+38 56 21.6	9.36	H	284.379 936 21	+38.939 325 74		3.67	3.86	−10.63	0.80	0.83	0.99	0.93	0.98	+ 7	+ 2	+ 0	+ 9	+10	−15	+11	−10	− 1	+12		0	0.20
93071	18 57 32.46	−42 06 12.2	9.22	H	284.385 250 10	−42.103 379 58		4.95	−0.37	−11.25	1.35	0.81	1.62	1.64	1.07	− 3	−40	− 1	− 8	+20	+13	+18	−41	− 1	− 7		0	1.79
93072 H	18 57 32.59	−19 02 47.9	10.67	G	284.385 791 50	−19.046 635 55	A	41.56	97.63	115.16	4.47	2.93	3.77	3.93	3.11	+21	−17	− 9	−12	+ 0	+ 4	+ 2	−26	+12	+31		0	0.46
93073	18 57 33.22	+32 59 22.3	6.91	H	284.388 431 30	+32.989 531 04		6.07	3.09	13.71	0.43	0.48	0.60	0.46	0.54	+ 3	− 1	−10	+14	+20	−11	+20	+14	+14	+ 2		0	0.63
93074	18 57 34.39	−39 49 23.8	6.29	H	284.393 303 16	−39.823 285 61		16.21	2.49	37.17	0.73	0.44	0.85	0.83	0.54	+15	−39	+ 9	+11	+ 2	+12	+ 6	−33	−17	+15		0	0.24
93075	18 57 35.10	−41 41 43.7	8.77	H	284.396 240 66	−41.695 481 47		5.48	14.53	−90.67	1.15	0.74	1.35	1.42	0.96	− 4	−31	+13	− 9	+17	− 2	+19	−48	−11	− 3		0	−1.18
93076 H	18 57 35.70	−10 00 57.6	8.90	H	284.398 736 05	−10.015 988 22	*	4.39	7.60	10.14	2.36	1.81	1.46	1.58	1.19	+40	− 6	−22	+ 3	− 9	+14	−11	−23	+17	+36		1	0.90
93077	18 57 35.71	−19 09 11.3	7.02	H	284.398 782 48	−19.153 132 50		−0.13	1.49	1.20	0.87	0.52	0.97	0.86	0.58	+12	−45	−11	− 5	+ 8	+13	− 1	−30	+12	− 6		0	1.10
93078	18 57 35.98	−00 31 34.6	7.66	H	284.399 923 30	−00.526 269 48		7.72	−35.92	−42.80	0.84	0.61	0.99	0.96	0.73	−16	− 6	−26	−28	+20	+13	+23	−33	− 4	−47		0	−0.62
93079	18 57 38.18	+09 51 42.5	8.71	H	284.409 070 58	+09.861 817 49		2.04	0.18	−10.16	0.93	0.85	1.23	1.13	0.94	+20	−29	−35	+ 2	+16	+ 0	+ 9	−10	+21	+ 0		0	−1.62
93080	18 57 38.55	+72 50 25.0	11.29	G	284.410 624 87	+72.840 277 16		9.19	−104.92	353.63	1.44	1.31	1.46	1.55	1.79	+ 6	−19	+ 1	−14	+11	− 3	+ 8	+ 0	+16	+19		0	−0.73
93081	18 57 40.90	+04 58 56.9	9.57	H	284.420 417 67	+04.982 485 41		0.70	−1.55	−5.65	1.13	0.96	1.29	1.18	1.01	−11	−18	+ 1	−37	+22	+ 1	+21	−45	+ 1	− 3		0	0.13
93082	18 57 41.54	−85 33 55.0	8.01	2 H	284.423 081 82	−85.565 273 47		2.56	−4.26	−23.31	0.57	0.69	0.76	0.61	0.90	− 7	− 6	−15	− 3	−13	+ 9	−12	+10	−17	−21		0	−0.27
93083 T	18 57 42.01	+09 42 02.6	9.28	H	284.425 036 15	+09.700 710 71	A	7.70	5.04	−91.42	6.34	5.38	5.95	6.89	5.94	+24	−26	−18	−11	+14	− 1	+ 8	−12	+19	− 5		0	−0.45
93084 T	18 57 42.82	+09 41 53.0	9.30	H	284.428 407 60	+09.698 044 34	B	9.49	9.76	−19.26	10.34	8.75	6.34	7.17	6.28	+27	−26	−23	− 6	+10	+ 2	+ 6	− 4	+22	− 4		0	−0.45
*93085	18 57 43.78	−21 06 23.8	3.52	H	284.432 415 56	−21.106 624 33		8.76	34.91	−12.33	1.23	0.85	0.99	1.63	1.02	−52	+22	−42	−27	+50	+ 2	+54	−58	+30	−54		2	0.69
*93086	18 57 43.77	−55 28 54.3	8.27	H	284.432 381 86	−55.481 761 40		3.11	−2.39	−37.76	0.87	0.62	1.05	1.01	0.76	+17	−22	+ 6	+27	−38	− 8	−28	−29	− 8	+36		0	1.63
93087	18 57 45.32	+20 49 32.0	9.05	1 H	284.438 816 54	+20.825 542 14		0.18	1.06	6.50	0.50	0.65	1.13	0.65	0.87	+10	−17	−15	− 2	− 2	+ 3	− 4	−16	+12	+ 2		0	−0.34
93088	18 57 46.71	−12 47 55.5	8.96	H	284.444 628 91	−12.798 738 25		9.53	20.39	−4.09	1.12	0.72	1.32	1.42	1.16	+ 3	−18	− 5	− 1	+ 3	+28	+15	−26	+26	+47		0	2.08
93089	18 57 47.32	−21 44 22.3	8.31	H	284.447 146 03	−21.739 531 78		1.49	−2.39	−3.44	1.14	0.70	1.23	1.63	1.01	−16	−15	−17	−14	+19	+13	+18	−42	+ 8	−26		0	−1.32
93090 H	18 57 47.92	−56 07 36.1	7.86	H	284.449 680 13	−56.126 701 37	A	3.01	10.58	1.29	2.11	1.44	1.53	1.56	1.18	+56	− 9	+11	+14	−18	−12	− 8	+19	− 7	+56		0	0.22
93091	18 57 48.36	−19 42 31.1	8.01	H	284.451 484 12	−19.708 650 47		2.29	9.06	−23.13	1.02	0.63	1.14	1.09	0.83	+ 2	−33	− 5	+ 1	+ 9	+15	+ 8	−22	+19	+18		0	1.08
93092	18 57 50.40	−46 44 10.5	8.05	2 H	284.460 016 96	−46.736 238 72		1.48	1.52	0.38	0.84	0.66	1.06	1.07	0.75	+11	−15	−18	−17	+16	− 8	+ 8	−48	+ 8	− 7		0	0.63
93093	18 57 51.44	−01 56 23.5	9.57	G	284.464 343 38	−01.939 853 61		−0.21	−1.54	−4.17	1.16	0.80	1.33	1.16	0.92	+20	−26	−13	−24	+ 6	+ 0	+ 6	−32	+13	+23		2	1.30
93094	18 57 53.14	+36 51 33.7	8.77	H	284.471 412 92	+36.859 355 79		3.53	13.78	9.14	0.64	0.71	0.85	0.75	0.88	− 6	−13	+ 0	+ 1	− 4	− 7	− 1	+24	− 6	−16		0	1.43
93095	18 57 55.05	+68 30 20.5	8.37	H	284.479 388 66	+68.505 701 27		4.38	−1.86	−10.06	0.63	0.58	0.64	0.80	0.73	+ 0	−18	− 1	+ 1	+ 4	+14	+ 4	+ 5	− 1	+ 8		0	−1.14
93096 H	18 57 56.65	−44 58 06.1	9.76	H	284.486 040 44	−44.968 366 23	A	15.51	25.08	−72.42	2.24	1.49	2.18	2.62	1.73	+26	−11	− 8	− 4	− 7	− 2	+ 0	−39	− 9	+29		1	0.62
93097	18 57 57.28	+77 03 03.5	6.56	H	284.488 653 24	+77.050 981 26		16.46	−38.12	−64.44	0.46	0.44	0.48	0.53	0.46	+ 7	−16	+18	− 2	− 7	− 4	− 1	−22	−15	+23		0	0.87
93098	18 57 57.95	−

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data								Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM		Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
93001	11.005	0.047	9.299	0.018		1.424	0.040	T	1.41	0.06	L	9.2699	0.0019	0.021	145		9.23	9.31		C			1							
93002	9.853	0.028	8.990	0.022		0.757	0.027	T	0.80	0.02	L	9.0435	0.0028	0.022	76		9.00	9.09					1 S							
93003	9.691	0.018	9.360	0.021		0.314	0.026	T	0.36	0.04	L	9.4039	0.0017	0.020	142		9.36	9.45					1							
93004	7.891	0.008	7.817	0.011		0.085	0.012	G	0.12	0.02	A	7.8400	0.0014	0.012	91		7.82	7.87					1							S
93005	8.733	0.012	7.725	0.009		0.880	0.011	T	0.89	0.01	L	7.7675	0.0013	0.012	95		7.75	7.79		D			1							S
93006	8.798	0.022	8.453	0.024		0.327	0.030	T	0.38	0.04	L	8.4844	0.0019	0.017	80		8.45	8.51		C			1							
93007	8.434	0.011	7.696	0.009		0.676	0.011	T	0.74	0.01	L	7.7596	0.0010	0.010	101		7.74	7.78		C			1							S
93008	9.701	0.024	9.487	0.029		0.204	0.035	T	0.22	0.04	L	9.5049	0.0032	0.022	71		9.48	9.54					1							G
93009	9.716	0.022	8.517	0.014		1.026	0.020	T	1.00	0.02	L	8.5741	0.0013	0.013	75		8.55	8.61					1							
93010	10.261	0.034	8.659	0.016		1.380	0.015	G	1.35	0.02	H	8.6777	0.0022	0.013	71		8.65	8.70		C			1							
93011	10.093	0.032	9.672	0.034		0.398	0.043	T	0.46	0.05	L	9.7069	0.0017	0.013	105		9.68	9.73					1							
93012	8.458	0.010	6.635	0.005		1.535	0.006	G	1.58	0.01	H	6.5906	0.0010	0.009	89		6.57	6.60					1							S
93013	7.494	0.007	7.096	0.007	*	0.388	0.015	G	0.45	0.02	H *	7.1701	0.0011	0.008	96	*	7.16	7.18		D	18569+5645	I 1	2 C A	AB	123	7.378	0.016	3.29	0.08	S
93014	7.112	0.006	7.147	0.008		−0.029	0.009	T	−0.01	0.01	L	7.1560	0.0010	0.009	75		7.14	7.17		C	18569−3319	I 1	1							S
93015	5.266	0.040	4.475	0.025		0.530	0.020	G	0.59	0.02	A	4.4996	0.0407	0.333	196		4.03	4.91	9.09	P 1 A			1							S
93016	8.296	0.011	7.708	0.011		0.540	0.015	G	0.61	0.02	H	7.7677	0.0011	0.009	87		7.75	7.78			18570+0228	I 1	1							S
93017	5.942	0.003	5.294	0.003	*	0.594	0.003	T	0.66	0.00	L *	5.3301	0.0006	0.006	158	*	5.32	5.34		D	18570+3254	I 1	2 C A	AB	16	0.930	0.006	2.62	0.02	S
93018											T	11.2737	0.0705	0.623	93		9.45	11.82		D	18570+4551	I 2	S							G
93019	8.217	0.011	8.277	0.014		−0.060	0.015	G	−0.04	0.01	H	8.2791	0.0014	0.013	110		8.26	8.30		C			1							
93020	8.546	0.008	8.114	0.008		0.420	0.015	G	0.49	0.02	H	8.1725	0.0013	0.015	172		8.15	8.20					1							
93021						1.210	0.020	G	1.17	0.02	H	11.5580	0.0059	0.069	72		11.38	11.65					1							G
93022	7.447	0.006	7.379	0.008		0.091	0.150	G	0.06	0.01	L	7.4134	0.0012	0.010	105		7.40	7.43		D	18570+4551	I 2	1							S
93023	8.044	0.007	7.993	0.008		0.052	0.010	T	0.06	0.01	L	8.0236	0.0009	0.013	200		8.00	8.05		C			1							
93024	8.401	0.009	8.409	0.011		−0.003	0.013	T	0.02	0.01	L	8.4256	0.0016	0.014	133		8.40	8.45					1							
93025	11.416	0.059	9.260	0.015		1.782	0.049	T	1.81	0.05	L	9.1886	0.0018	0.023	213		9.14	9.23					1							
93026	6.214	0.005	4.941	0.003		1.057	0.053	G	1.03	0.02	A	4.9936	0.0006	0.006	70		4.98	5.01					1							S
93027	8.760	0.017	7.292	0.010		1.237	0.015	T	1.20	0.01	L	7.3107	0.0009	0.008	79		7.30	7.32		C			1							S
93028	8.250	0.010	7.660	0.010		0.574	0.015	G	0.65	0.01	H	7.7295	0.0012	0.011	84		7.71	7.75		C			1							S
93029	8.373	0.010	7.943	0.009		0.432	0.015	G	0.50	0.02	H	7.9963	0.0011	0.010	105		7.98	8.02					1							S
93030	10.842	0.040	10.034	0.029	A						T *	10.0253	0.0023	0.031	220	*	9.98	10.07		D	18571+2456	H 1	2 C C	AB	235	4.209	0.049	3.02	0.27	D
93031	9.822	0.033	9.311	0.033		0.490	0.035	T	0.56	0.04	L	9.3855	0.0024	0.017	64		9.35	9.43		C			1							
93032	7.581	0.006	7.311	0.007		0.257	0.009	T	0.29	0.01	L	7.3484	0.0010	0.010	136		7.33	7.37					1							S
93033	10.033	0.024	8.692	0.014		1.137	0.022	T	1.10	0.02	L	8.7096	0.0018	0.016	119		8.68	8.74		C			1							
93034	9.461	0.015	7.533	0.007		1.600	0.013	T	1.62	0.01	L	7.4302	0.0014	0.014	126		7.41	7.45					1							S
93035	10.068	0.027	8.297	0.012		1.476	0.023	T	1.49	0.03	L	8.2756	0.0016	0.014	85		8.25	8.31		C			1							
93036	9.620	0.023	8.998	0.021		0.575	0.023	T	0.65	0.02	L	9.0321	0.0019	0.015	79		9.01	9.05		C			1							
93037	8.096	0.009	7.592	0.008	*	0.474	0.011	T	0.55	0.01	L *	7.6364	0.0011	0.012	133	*	7.62	7.66		D	18571+3451	H 1	2 C S A	AB	184	0.162	0.018	1.99	0.40	S
93038	7.591	0.006	7.409	0.007	*	0.174	0.008	T	0.19	0.01	L *	7.3743	0.0012	0.012	179	*	7.35	7.40		D	18571+2606	I 1	2 C A	AB	74	0.754	0.002	0.30	0.01	S
93039	10.601	0.057	10.311	0.073	A	0.264	0.106	G	0.30	0.13	R *	10.3098	0.0132	0.035	67	A	10.27	10.44		D	18572−2352	I 2	1 C P A							G
93040											T *	10.5888	0.0165			B				D	18572−2352	I 2	1 C I A							
93041	10.486	0.050	8.481	0.017		1.661	0.042	T	1.68	0.04	L	8.4150	0.0019	0.011	69		8.39	8.43		C			1							
93042	8.473	0.010	6.845	0.005		1.363	0.009	T	1.33	0.01	L	6.8493	0.0009	0.010	133		6.83	6.87					1							S
93043	9.090	0.010	9.033	0.013		0.057	0.015	T	0.07	0.01	L	9.0608	0.0018	0.022	172		9.03	9.10					1							
93044	8.449	0.015	7.251	0.007	A	0.725	0.126	G	1.00	0.02	L *	7.2670	0.0017	0.012	78	*	7.25	7.29		D	18572+1450	I 1	2 C A	AB	79	1.179	0.018	2.81	0.07	S
93045	9.863	0.023	8.331	0.012		1.287	0.020	T	1.25	0.02	L	8.3758	0.0024	0.014	77		8.36	8.41		C			1							
93046	7.597	0.007	7.230	0.007		0.324	0.000	G	0.38	0.00	H	7.2847	0.0013	0.007	61		7.27	7.30		C			1							S
93047						1.333	0.043	G	1.54	0.06	I	12.9633	0.0199	0.130	58		12.67	13.31					1 S							D G
93048	10.082	0.034	8.894	0.021		1.018	0.031	T	0.99	0.03	L	8.9669	0.0016	0.013	87		8.94	9.00		C			1							
93049	6.172	0.004	6.263	0.005		−0.073	0.004	G	−0.05	0.01	H	6.2559	0.0009	0.005	86		6.25	6.27		C			1							S
93050	9.226	0.016	8.873	0.017		0.353	0.015	G	0.41	0.02	H	8.9352	0.0029	0.016	62		8.91	8.96					1							
93051	5.562	0.003	5.563	0.003		0.004	0.004	T	0.02	0.00	L	5.5707	0.0005	0.005	75		5.56	5.58		C			1							S
93052	7.994	0.005	7.644	0.006		0.329	0.013	G	0.38	0.02	H	7.6943	0.0012	0.014	237		7.67	7.72					1							S
93053	7.651	0.009	6.580	0.005	A	0.927	0.008	T	0.92	0.01	L	6.6590	0.0098	0.017	107	A	6.63	6.68		D	18574+6224	I 1	2 C B	AB	122	17.306	0.030	3.05	0.15	S
93054	10.023	0.032	9.425	0.030		0.558	0.039	T	0.63	0.04	L	9.5313	0.0022	0.015	67		9.51	9.57					1							
93055	8.283	0.010	7.979	0.010		0.331	0.001	G	0.39	0.00	H	8.0130	0.0018	0.014	98		7.99	8.04		C			1							S
93056	8.745	0.013	7.650	0.009		0.946	0.012	T	0.99	0.02	A	7.7050	0.0016	0.010	83		7.69	7.73					1							
93057	5.183	0.003	5.073	0.003		0.137	0.038	G	0.24	0.03	C	5.0892	0.0008	0.006	77		5.08	5.10		C			1							S
93058	9.068	0.015	9.048	0.019		0.002	0.015	G	0.02	0.01	H	9.0928	0.0029	0.024	78		9.05	9.13					1							
93059	10.807	0.043	8.861	0.015		1.614	0.036	T	1.64	0.04	L	8.7598	0.0019	0.016	103		8.73	8.79		C			1							
93060	10.032	0.027	9.607	0.028		0.401	0.036	T	0.47	0.04	L	9.6787	0.0031	0.030	92		9.62	9.72					1							G
93061	10.066	0.024	8.257	0.011		1.506	0.021	T	1.54	0.03	L	8.2259	0.0015	0.011	105		8.20	8.25		C			1							
93062	8.827	0.012	8.275	0.011		0.517	0.015	T	0.59	0.02	L	8.3274	0.0013	0.014	115		8.30	8.36					1							S
93063											T	11.3220	0.0275	0.259	105		10.83	11.50	2.99	P 1 A			1 S							G
93064	7.751	0.008	7.297	0.006		0.428	0.009	T	0.50	0.01	L	7.3489	0.0013	0.013	119		7.33	7.37					1							S
93065	8.310	0.011	8.100	0.012		0.201	0.015	T	0.22	0.02	L	8.1364	0.0018	0.012	77		8.11	8.15					1							S
93066	9.761	0.020	9.362	0.021		0.390	0.024	T	0.46	0.03	L	9.3835	0.0020	0.020	113		9.35	9.42		C			1 S							
93067	8.230	0.011	8.188	0.013		0.043	0.016	T	0.06	0.01	L	8.1935	0.0015	0.015	93		8.17	8.22		C			1							S
93068	6.611	0.007	6.514	0.009	*	0.072	0.009	G	0.08	0.01	H *	6.4919	0.0006	0.006	102	*	6.48	6.50		D	18575+5814	I 1	2 C A	AB	2	0.853	0.002	0.34	0.01	S
93069	10.734	0.061	9.043	0.023	*	1.433	0.002	G	1.92	0.02	A *	8.9108	0.0022	0.018	101	*	8.88	8.95		D	18575−5600	I 1	2 C A	AB	337	3.070	0.004	0.53	0.02	
93070	9.549	0.018	9.408	0.023		0.136	0.027	T	0.15	0.03	L	9.4133	0.0025	0.023	121		9.38	9.46					1							
93071	9.888	0.025	9.296	0.023		0.553	0.025	T	0.63	0.02	L	9.3412	0.0025	0.022	79		9.31	9.38		C			1 S							
93072						1.437	0.004	G	1.77	0.01	I *	10.7367	0.0043	0.033	61	*	10.68	10.79		D	18575−1903	H 1	2 C D	AB	357	1.785	0.015	1.13	0.10	G D
93073	7.255	0.005	6.945	0.005		0.330	0.004	G	0.38	0.01	H	6.9852	0.0006	0.008	147		6.97	7.00					1							S
93074	6.536	0.004	6.316	0.004		0.210	0.005	T	0.23	0.01	L	6.3547	0.0007	0.006	104		6.34	6.36		C			1							S
93075	9.381	0.018	8.804	0.016		0.542	0.018	T	0.62	0.02	L	8.8852	0.0022	0.018	89		8.85	8.92		C			1							
93076	10.207	0.048	9.051	0.029	*	0.993	0.044	T	0.97	0.04	L *	9.0681	0.0017	0.017	65	*	9.04	9.10		D	18576−1001	H 1	2 C A	AB	209	0.234	0.009	0.99	0.18	
93077	6.888	0.006	7.006	0.009		−0.102	0.010	T	−0.09	0.01	L	6.9902	0.0014	0.012	71		6.97	7.01					1							S
93078	9.146	0.015	7.785	0.009		1.155	0.015	G	1.12	0.01	H	7.8231	0.0014	0.012	105		7.80	7.85					1							
93079	8.863	0.012	8.721	0.014		0.137	0.017	T	0.15	0.02	L	8.7625	0.0023	0.019	81		8.73	8.81		C			1							
93080						0.780	0.020	G	0.82	0.02	H	11.4483	0.0041	0.033	104		11.38	11.52		C			1							G
93081	10.082	0.031	9.583	0.030		0.469	0.039	T	0.54	0.04	L	9.6886	0.0038	0.030	86		9.64	9.75					1							G
93082	10.210	0.024	8.224	0.009		1.682	0.021	T	2.36	0.05	O	8.0430	0.0053	0.048	137		7.97	8.10		U 2			1							
93083	10.364	0.035	9.373	0.025	A	0.867	0.032	T	0.88	0.02	L	9.5361	0.0358			A				D	18577+0942	I 2	1 C I B							
93084	9.887	0.025	9.290	0.023	B	0.557	0.030	T	0.63	0.03	L	9.4254	0.0339	0.158	83	B	9.21	9.75		D	18577+0942	I 2	1 C P B							G
93085	5.053	0.003	3.656	0.004		1.151	0.071	G	1.09	0.02	A	3.6880	0.0007	0.005	62		3.68	3.70					1 G							S
93086	8.590	0.011	8.312	0.012		0.275	0.015	G	0.31	0.02	H	8.3476	0.0015	0.012	101		8.33	8.37		C			1							S
93087	9.293	0.009	9.088	0.011		0.196	0.013	T	0.21	0.01	L	9.1138	0.0017	0.025	277		9.07	9.16		U			1 S							
93088	9.521	0.024	9.024	0.024		0.479	0.026	T	0.55	0.03	L	9.0660	0.0040	0.020	66		9.03	9.10					1							
93089	10.271	0.057	8.485	0.023		1.488	0.049	T	1.51	0.07	L	8.4397	0.0021	0.017	63		8.42	8.47		C			1							
93090	9.135	0.015	7.992	0.010	*	0.983	0.014	T	0.96	0.01	L *	8.0295	0.0018	0.012	97	*	8.01	8.05		D	18578−5608	H 1	2 C A	AB	241	0.402	0.018	2.24	0.08	
93091	9.954	0.028	8.190	0.013		1.470	0.024	T	1.48	0.04	L	8.1444	0.0018	0.012	80		8.12	8.17					1							
93092	10.039	0.028	8.263	0.012		1.509	0.025	T	2.25	0.07	O	8.1085	0.0054	0.037	89		8.06	8.17		U 2			1							
93093	10.308	0.032	9.695	0.030		0.883	0.005	G	0.89	0.00	H	9.7198	0.0023	0.021	100		9.68	9.77					1							G
93094	10.405	0.034	8.923	0.017		1.248	0.030	T	1.21	0.03	L	8.9346	0.0016	0.016	118		8.91	8.97					1							
93095	9.769	0.021	8.498	0.013		1.082	0.019	T	1.04	0.02	L	8.5430	0.0015	0.012	101		8.52	8.56		C			1							
93096	10.730	0.055	9.829	0.041	A						T *	9.8739	0.0032	0.028	83	*	9.81	9.92			18579−4458	I 1	2 C B	AB	45	1.374	0.042	2.75	0.13	
93097	7.035	0.004	6.604	0.005		0.421	0.005	T	0.49	0.01	L	6.6600	0.0007	0.006	106		6.65	6.67		C			1							S
93098	10.197	0.034	9.210	0.024		0.852	0.032	T	0.87	0.02	L	9.2761	0.0022	0.018	84		9.25	9.31		C			1							
93099	8.789	0.014	8.102	0.012		0.637	0.015	G	0.70	0.01	H	8.1438	0.0012	0.011	69		8.12	8.18		C			1							S
93100	8.230	0.008	8.104	0.009		0.122	0.011	T	0.14	0.01	L	8.1373	0.0012	0.013	104		8.12	8.16		C			1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)												Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	$\mu_{\alpha*}$ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$		F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr													%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30
93101	18 58 00.25	+05 54 39.9	9.22	G	284.501 047 82	+05.911 089 71		90.02	−194.47	−1221.78	1.30	1.02	1.46	1.55	1.33	+22	−10	+	1	−30	−25	−	4	−19	−46	−21	+42	0	0.63
93102	18 58 00.44	−47 27 02.1	10.19	G	284.501 816 14	−47.450 581 25		22.08	−49.58	−242.30	1.57	1.16	1.82	1.92	1.29	+38	−25	−29	−	8	−	4	−	8	−13	−49	+	4	+21	2	1.58
93103	18 58 01.31	−11 30 16.9	9.67	G	284.505 440 28	−11.504 698 38		1.70	−3.15	−6.68	1.23	0.90	1.30	1.48	1.29	+32	−28	+	2	+	0	−	2	+12	+	2	−19	+	3	+47	2	−0.04
93104	18 58 01.90	+38 15 58.3	5.89	2 H	284.507 924 38	+38.266 182 77		6.32	−5.25	2.13	0.45	0.42	0.54	0.55	0.52	−	5	−	6	−	9	−14	+10	−20	+	8	−	5	+	2	−	1	0	1.08
93105	18 58 01.93	+56 24 29.6	8.24	H	284.508 021 47	+56.408 224 21		2.63	5.98	9.89	0.71	0.63	0.67	0.81	0.83	+	8	+	2	+11	+38	+12	+	9	+13	+31	+15	+15	3	1.05
93106	18 58 02.27	+20 21 46.1	8.84	H	284.509 476 47	+20.362 804 93		3.49	−5.39	−7.80	0.59	0.71	1.31	0.90	0.87	+19	−25	−27	+	0	−28	+32	−27	−24	+25	+	6	1	1.84
93107	18 58 02.39	+13 28 08.3	8.92	H	284.509 956 70	+13.468 960 72		0.59	1.51	−4.79	1.05	0.87	1.19	1.27	0.98	−	5	−	2	−	6	−	7	+14	+10	+16	−27	+18	+15	0	0.43
93108 H	18 58 03.52	+47 11 30.6	7.82	H	284.514 680 50	+47.191 844 61	A	19.09	−65.26	1.51	1.52	1.34	1.29	1.75	1.32	+15	+11	+	5	+15	−	3	−	8	+	8	+22	+	7	+10	1	0.93
*93109	18 58 04.79	−35 44 41.2	8.70	H	284.519 952 41	−35.744 790 44		1.83	2.49	4.88	1.31	0.82	1.39	1.94	1.15	+15	−28	+	2	+	5	−	3	−16	−14	−47	−10	−16	0	0.36
*93110	18 58 04.75	+15 13 19.3	8.77	H	284.519 778 68	+15.222 036 47		1.11	0.44	−4.22	1.03	0.94	1.33	1.32	1.12	+	4	+11	−33	+	4	+26	+14	+32	−15	+42	+15	0	2.67
*93111	18 58 04.74	+28 09 39.9	7.44	H	284.519 735 60	+28.161 096 51		5.09	4.45	−21.46	0.49	0.58	0.80	0.69	0.87	−12	+	4	−	8	+21	+	7	−	8	+	8	+19	+14	−26	0	0.99
93112	18 58 05.80	+60 19 20.6	9.24	H	284.524 156 83	+60.322 382 64		3.64	−4.47	5.84	0.74	0.73	0.74	0.83	0.84	+13	+	2	+14	+41	+	6	+	3	+	9	+	6	+	0	+22	1	−1.67
93113	18 58 05.95	−51 09 32.7	8.43	H	284.524 802 56	−51.159 091 05		1.73	5.05	−15.70	0.94	0.77	1.16	1.28	0.95	+25	−	3	−	9	−	5	+	2	−15	−	3	−37	+17	+14	0	2.69
93114	18 58 06.53	−30 49 30.0	7.33	H	284.527 219 22	−30.824 988 86		6.13	5.17	−21.40	0.91	0.56	1.04	1.30	0.76	−13	−	8	−27	−	2	+25	−31	+	5	−51	+33	−45	0	1.52
93115	18 58 06.77	+06 50 16.7	9.19	H	284.528 226 21	+06.837 977 87		0.32	2.52	−8.51	1.01	0.86	1.24	1.22	1.02	+17	−28	−	6	−	3	−	1	−	6	−	5	−24	+15	+20	0	0.20
93116	18 58 07.85	+12 01 40.1	8.29	H	284.532 719 95	+12.027 801 41		3.37	6.08	2.04	0.93	0.69	1.02	0.97	0.84	+28	−37	−32	−17	−10	+12	−	9	−16	+	6	−14	0	0.70
93117 H	18 58 10.03	−83 25 19.8	6.35	G	284.541 788 57	−83.422 166 71	A	5.84	16.90	−13.03	1.31	1.46	0.95	0.89	1.06	−	5	−10	+	5	+18	−	2	−	3	−	3	−	9	−	8	−12	0	0.87
93118	18 58 10.76	−20 25 25.5	6.93	H	284.544 844 88	−20.423 747 84		0.27	4.26	−4.85	0.80	0.49	0.86	0.91	0.66	−11	−32	+	4	+	3	+13	+20	+12	−15	+15	+	9	0	2.60
93119 H	18 58 11.45	+75 18 06.6	10.16	H	284.547 723 12	+75.301 839 35	*	23.56	108.12	−85.19	3.30	2.84	1.42	2.14	2.22	+11	+	4	+19	−36	+17	+	7	+24	−20	−13	−	5	0	0.35
93120	18 58 11.65	−31 34 44.6	9.40	H	284.548 559 59	−31.579 054 10		3.41	−0.02	−19.93	1.44	0.78	1.43	1.91	1.16	−19	−22	+	3	+	8	+	0	−	8	−	8	−45	+	5	−29	2	2.21
93121	18 58 12.58	+24 42 31.8	7.79	H	284.552 415 63	+24.708 841 24		2.67	3.55	6.37	0.42	0.55	0.80	0.45	0.66	−	5	−13	−	2	+42	+23	−	6	+19	+	1	−	1	−21	1	−0.24
93122	18 58 12.70	−57 15 42.3	9.60	H	284.552 925 31	−57.261 738 26		5.27	−6.12	−3.97	1.29	0.99	1.65	1.58	1.39	+33	−19	−21	−	5	−39	+	4	−40	−30	+16	+50	0	−0.83
93123	18 58 13.93	−28 45 09.2	8.69	H	284.558 057 53	−28.752 549 46		1.24	2.72	−2.17	1.28	0.67	1.27	1.71	0.89	+	3	−28	−	9	+33	−11	−	3	−35	−30	+	5	−43	7	2.52
93124 T	18 58 14.75	+17 21 39.4	5.33	2 H	284.561 447 17	+17.360 936 33		1.32	0.08	−9.98	0.53	0.48	0.72	0.63	0.60	+27	−10	−16	+21	+	1	+25	+	4	+	4	+28	+43	0	0.43
93125	18 58 14.94	−37 19 01.0	7.68	H	284.562 270 54	−37.316 943 08		5.84	−35.02	−18.77	0.99	0.62	1.28	1.59	1.13	−	7	−11	−38	+26	+18	−26	−	9	−34	+55	−50	0	1.05
93126	18 58 17.27	−32 10 31.9	7.37	H	284.571 963 98	−32.175 536 65		6.58	−8.44	−41.09	1.00	0.54	1.09	1.19	0.82	−	9	−35	−	6	+19	+	4	+	2	−	5	−18	+29	−	9	2	0.45
93127	18 58 18.14	+23 50 44.1	8.20	H	284.575 566 19	+23.845 595 07		10.78	49.65	−91.73	0.53	0.65	0.93	0.54	0.77	−	7	−	8	+	5	+36	+25	−	3	+25	−	1	+	3	−15	0	−1.44
93128 H	18 58 20.02	+03 46 47.3	8.38	H	284.583 419 24	+03.779 796 47	*	2.43	−0.38	−7.01	0.94	0.70	1.06	1.04	0.78	+24	−21	−	4	−19	−11	−	4	−16	−41	+	2	+	1	0	1.21
93129	18 58 20.03	+39 38 30.6	7.47	H	284.583 468 23	+39.641 832 09		6.49	9.24	−21.22	0.49	0.52	0.61	0.58	0.62	+	4	+	1	−	3	+19	+11	−	3	+12	−	3	−	5	+12	2	1.08
93130	18 58 20.07	+06 09 05.4	10.58	H	284.583 633 71	+06.151 489 23		2.91	4.04	3.08	1.73	1.42	1.92	2.14	1.87	+30	−15	−15	−34	−35	+	8	−29	−50	−	5	+45	0	0.86
93131	18 58 20.46	+08 32 20.6	8.00	H	284.585 229 53	+08.539 064 97		6.37	26.62	3.10	0.81	0.65	0.99	0.90	0.73	−	2	−24	−11	−	2	+15	−10	+	6	−17	+25	−11	0	−0.09
93132	18 58 20.50	−24 52 36.7	6.62	H	284.585 416 25	−24.876 851 66		2.48	10.64	−2.56	0.86	0.44	0.90	0.89	0.53	−	8	−48	−	1	+13	−	1	+13	−	4	−20	−	3	−25	4	1.20
93133	18 58 20.99	+39 17 44.5	8.42	H	284.587 456 85	+39.295 691 39		3.76	7.86	−15.96	0.69	0.69	0.83	0.72	0.84	−	1	+	2	−	2	+11	+	7	−11	+10	−	7	+	0	+	7	0	1.05
93134	18 58 21.31	−31 02 09.1	6.09	H	284.588 799 17	−31.035 856 00		7.47	−46.95	−48.81	0.84	0.48	0.89	1.19	0.69	−13	−28	−18	+13	+15	−10	−	7	−37	+23	−48	0	0.55
93135	18 58 22.25	−00 00 45.4	9.10	H	284.592 721 22	−00.012 606 64		4.17	−7.51	−16.94	1.11	0.80	1.36	1.11	0.87	+	5	−29	−29	−33	+11	+11	+12	−32	+	9	−17	0	1.34
93136	18 58 22.51	+22 04 30.0	9.31	H	284.593 803 98	+22.075 000 46		19.24	−146.73	−110.68	0.69	0.90	1.35	0.94	1.11	+	2	−	8	+13	+	7	−	3	+	2	−	1	−19	−	6	+	8	2	2.01
93137	18 58 23.14	+47 50 12.9	7.68	G	284.596 411 70	+47.836 907 47		17.98	4.85	−62.08	1.09	1.11	1.22	1.14	1.32	−	3	+	6	−	3	−25	+	5	−17	+	2	−	5	+	0	+15	0	
93138	18 58 23.71	+06 14 24.7	6.22	H	284.598 793 91	+06.240 189 25		17.64	−9.40	−107.16	0.70	0.55	0.78	0.80	0.61	+13	−26	−	7	−32	−13	−11	−10	−50	+	1	+41	0	0.80
93139	18 58 24.13	−79 07 57.5	8.78	H	284.600 535 57	−79.132 626 41		0.83	0.19	−5.83	0.71	0.74	0.97	0.81	0.89	+	0	−20	−17	−	1	−11	+	3	−13	−	4	+10	−13	0	−0.55
93140	18 58 24.83	−22 31 46.3	6.14	H	284.603 455 83	−22.529 525 54		12.79	1.36	13.40	0.93	0.57	0.95	1.13	0.71	−20	−	2	−	5	−34	+11	−30	+11	−53	−	2	−12	0	−0.18
93141	18 58 25.01	+66 19 57.3	8.97	H	284.604 214 26	+66.332 573 37		0.72	3.91	−6.43	0.67	0.70	0.78	0.53	0.77	−	2	−32	+11	−56	+11	+27	−	5	+14	+	7	+24	0	−0.28
93142	18 58 25.70	+01 11 53.3	7.07	H	284.607 092 90	+01.198 150 87		5.65	4.12	−11.00	0.67	0.48	0.81	0.69	0.53	+	7	−28	−13	−16	+	5	+17	+	5	−25	+10	+	7	0	1.25
93143	18 58 26.45	+63 25 59.7	8.28	H	284.610 217 79	+63.433 239 46		8.00	−2.42	57.74	0.67	0.59	0.65	0.76	0.69	+	3	−13	−	2	+	3	+15	−12	+15	+20	−	7	+11	0	−1.41
*93144 H	18 58 26.49	+36 25 32.9	8.14	H	284.610 370 56	+36.425 818 56	A	5.25	6.48	26.99	0.82	1.00	0.99	0.77	1.07	−	6	+	7	−24	+	1	+	6	−	1	+	0	+35	−	5	+	1	0	−0.31
*93145	18 58 26.45	+53 05 35.4	9.29	2 H	284.610 227 11	+53.093 172 29		1.24	−7.76	3.84	0.83	0.85	0.94	0.89	0.96	+16	−21	+	1	−17	−	8	+	3	−	5	−21	−11	+29	0	−0.13
93146	18 58 27.17	+39 46 40.9	7.51	H	284.613 193 76	+39.778 039 94		4.28	−0.59	−11.75	0.52	0.55	0.63	0.59	0.68	+	1	−	2	+	1	+	8	+	5	+	5	−	1	+	4	0	0.08
93147	18 58 27.58	−34 50 06.9	8.37	H	284.614 910 53	−34.835 239 48		1.39	9.36	−7.40	1.17	0.66	1.20	1.34	0.84	+17	−37	+	1	+23	−	3	−	1	−10	−29	−	8	−	4	0	−0.82
93148	18 58 27.76	−52 56 19.0	4.85	G	284.615 646 82	−52.938 607 48		6.14	11.53	−8.81	0.61	0.43	0.66	0.85	0.53	−19	−17	−	4	−	4	+21	−	1	+15	−34	−	2	−36	0	1.43
93149 H	18 58 27.80	−34 12 52.7	7.19	H	284.615 846 92	−34.214 650 91	A	5.96	1.99	−4.66	1.15	0.84	1.08	1.23	0.77	+35	−32	−27	+10	+	2	−27	−20	−40	+21	+	4	1	−0.90
93150	18 58 27.99	+23 48 09.4	7.24	H	284.616 613 64	+23.802 601 86		3.99	−27.65	−106.38	0.42	0.51	0.74	0.46	0.62	−	8	−	6	−	7	+21	+20	−	3	+20	−	5	+12	−13	0	−2.48
93151	18 58 28.35	−64 00 04.7	6.94	H	284.618 112 43	−64.001 309 17		5.09	68.95	−68.25	0.67	0.57	0.79	0.82	0.58	−24	−13	−10	+35	−18	+	7	−13	−12	−11	−23	0	0.06
93152	18 58 29.99	−35 53 20.1	8.87	H	284.624 952 60	−35.888 905 82		6.67	−59.10	−8.45	1.46	0.88	1.54	1.89	1.22	+17	−45	−17	−	7	−	3	−	7	−19	−48	+13	−19	0	−1.28
93153	18 58 30.11	+35 07 02.3	8.57	H	284.625 472 68	+35.117 302 16		1.45	−7.23	−12.59	0.63	0.74	0.86	0.79	0.89	−14	−	9	−11	+11	+	4	−16	+	1	+13	+	1	−	9	1	2.16
93154	18 58 30.70	+12 40 27.9	10.11	H	284.627 931 77	+12.674 412 88		1.09	−2.83	−2.34	1.85	1.54	1.95	2.38	1.68	−	7	+	0	−10	−46	+22	−24	+18	−51	+13	−20	0	0.68
93155	18 58 30.93	−22 39 45.5	9.08	G	284.628 861 10	−22.662 625 09		2.88	−6.20	−8.89	1.38	0.83	1.44	1.50	1.01	−	7	−19	−24	−35	+	9	−15	+	5	−53	+	8	−	4	0	−0.50
93156	18 58 31.32	+32 59 14.3	9.00	H	284.630 483 65	+32.987 316 03		3.03	−5.63	−1.78	0.64	0.73	0.92	0.68	0.79	−	3	−	1	−	1	+13	+16	−10	+16	+	8	+16	−	2	1	1.48
93157	18 58 31.54	+25 14 55.3	7.53	1 H	284.631 410 75	+25.248 683 83		0.99	−0.86	3.09	0.44	0.57	0.84	0.48	0.67	−	7	−21	−10	+27	+19	−14	+15	+	6	+	6	−21	0	0.31
93158	18 58 32.43	+14 21 49.6	7.99	2 H	284.635 118 29	+14.363 778 62		−0.12	1.69	0.33	0.81	0.70	0.95	0.97	0.87	+20	−	4	−25	−24	+	3	+23	+	8	−17	+22	+35	0	0.87
93159	18 58 32.61	+80 26 54.1	7.93	H	284.635 870 48	+80.448 366 88		3.89	5.62	−9.08	0.64	0.53	0.63	0.71	0.57	−	5	−25	+11	−16	+	9	−	3	+	8	−	4	−	3	+	7	1	2.55
93160	18 58 32.85	+26 03 42.3	7.99	H	284.636 873 40	+26.061 752 16		3.59	−6.93	−4.17	0.46	0.61	0.83	0.56	0.81	−	8	−	5	−17	−	3	+12	−	3	+14	+	7	−	2	−16	0	−0.08
93161	18 58 33.87	+60 40 02.1	6.91	H	284.641 132 04	+60.667 248 14		6.43	8.15	29.44	0.52	0.47	0.51	0.57	0.54	+	5	−15	+	6	+29	+	5	−16	+13	−11	+	1	+23	0	−1.26
93162	18 58 34.67	+79 23 20.6	8.66	H	284.644 469 74	+79.389 046 89		2.81	8.40	9.42	0.66	0.65	0.71	0.65	0.74	−	1	−	3	+	5	+	0	+	7	−17	+10	−	5	−	2	+	2	1	1.76
93163	18 58 36.59	−60 12 02.3	5.14	1 H	284.652 477 92	−60.200 628 59		6.32	−125.01	32.47	0.61	0.47	0.76	0.78	0.49	−27	−24	−12	+35	−	3	−17	+	2	−22	+	0	−17	0	−0.42
93164	18 58 37.01	−14 46 06.9	8.65	G	284.654 207 29	−14.768 584 53		5.13	7.01	−29.42	1.09	0.67	1.14	1.35	0.83	−14	−20	−17	+19	−13	+11	−18	−15	−	1	−37	0	1.17
93165	18 58 37.59	+74 07 58.9	7.03	G	284.656 615 36	+74.133 037 37		5.37	9.75	−42.65	0.53	0.50	0.55	0.56	0.61	+	3	−13	+	7	−	7	+	6	−18	+	8	−	9	+	4	+15	0	0.55
93166	18 58 38.47	+31 31 58.0	9.10	H	284.660 291 50	+31.532 789 97		3.20	0.99	3.15	0.66	0.66	0.90	0.92	0.90	+	8	−	4	−	1	+23	+	8	−	5	+	4	−	1	+23	−	2	0	0.08
93167	18 58 38.49	−56 54 45.7	8.58	H	284.660 385 55	−56.912 689 69		0.97	3.97	−8.81	1.03	0.84	1.30	1.38	1.25	+25	+	1	+11	+17	−34	+	1	−23	−28	−	1	+57	2	−1.37
93168	18 58 39.50	−30 47 30.6	8.63	H	284.664 587 90	−30.791 830 45		2.69	13.56	6.80	1.24	0.70	1.41	1.86	1.10	−13	+19	−	8	−	7	+	9	−34	+	6	−49	+22	−26	0	0.30
93169	18 58 40.88	+62 49 31.1	8.17	H	284.670 353 09	+62.825 307 99		1.81	13.84	12.84	0.73	0.62	0.70	0.82	0.77	−	1	−23	+	6	−	2	+19	−	7	+20	+	2	−	1	+14	0	0.08
93170	18 58 41.11	−52 53 22.8	9.01	H	284.671 310 11	−52.889 653 87		2.30	10.51	7.81	1.06	0.77	1.23	1.38	0.92	−	3	−36	−	8	−21	+16	+	4	+	8	−45	+	5	−21	0	1.17
93171	18 58 41.39	+20 37 23.4	6.74	1 H	284.672 477 06	+20.623 179 44		1.91	0.04	−5.00	0.35	0.41	0.75	0.46	0.53	−	2	−16	−18	−	8	−16	+24	−16	−25	+	23	−	3	0	−0.61
93172	18 58 41.72	+19 31 01.9	9.43	H	284.673 829 01	+19.517 188 09		3.08	−1.12	−7.06	1.20	1.07	1.57	1.57	1.26	+21	−22	−35	+45	+	3	+17	+	6	+	9	+26	+24	0	0.02
93173	18 58 41.86	+54 52 12.0	8.06	H	284.674 405 40	+54.870 005 74		4.65	30.51	22.35	0.64	0.56	0.62	0.70	0.69	+13	−11	+13	+38	+16	−24	+24	+26	−	6	+28	0	0.64
93174	18 58 43.47	−37 06 25.5	4.83	2 T	284.681 141 51	−37.107 088 55		33.43	−132.25	−110.45	0.80	0.52	0.92	1.36	0.77	−15	−17	−40	+17	+27	−33	−	7	−41	+40	−64	0	−0.22
93175	18 58 45.06	+19 47 39.8	6.52	H	284.687 736 21	+19.794 400 22		1.69	−2.24	−3.14	0.51	0.47	0.79	0.65	0.60	−	4	−30	−22	+	0	−20	+25	−23	−23	+36	+	2	0	0.40
93176	18 58 45.14	−77 33 55.7	8.97	1 H	284.688 101 30	−77.565 474 37		1.20	9.34	−5.47	0.58	0.74	0.92	0.64	0.85	−	5	−	9	+	8	+13	−	6	−	5	−	8	+	9	+17	−10	0	−0.66
93177	18 58 46.59	+40 40 45.1	6.20	2 T	284.694 111 82	+40.679 195 07		3.44	1.51	−0.35	0.41	0.46	0.54	0.44	0.55	+	0	−13	+	2	+	6	+	5	−20	+	8	+12	−17	+	3	0	0.62
93178	18 58 46.86	+81 42 22.5	9.85	H	284.695 242 72	+81.706 259 99		1.95	−4.54	−5.76	0.80	0.80	0.88	0.93	0.94	+	5	−16	+	8	−15	−	1	−14	+	1	−10	−11	+19	0	0.36
93179	18 58 46.92	+13 54 24.4	5.91	H	284.695 514 72	+13.906 772 73		13.45	0.94	−51.42	0.61	0.48	0.67	0.72	0.58	−	1	−	8	−18	−21	+12	+18	+15	−19	+17	+16	0	−1.13
*93180	18 58 47.30	−05 38 05.4	7.25	G	284.697 088 24	−05.634 842 56		5.47	13.95	2.29	0.74	0.51	0.86	0.86	0.73	+32	−15	−	3	−	9	+14	+12	+18	−14	+13	+38	2	0.62
*93181	18 58 47.29	−29 30 18.0	9.42	2 H	284.697 032 86	−29.505 010 67		1.38	2.26	−3.36	1.35	0.79	1.42	1.71	1.05	+23	−23	−23	+24	−12	−	1	−27	−37	+15	−	4	2	2.18
93182	18 58 48.26	−50 51 34.8	8.83	H	284.701 092 30	−50.859 679 68		8.29	31.02	−32.56	0.99	0.77	1.13	1.34	0.91	+21	−15	−16	+15	+	0	−	6	−	8	−25	+13	+	4	0	−0.22
93183	18 58 48.76	−54 53 25.6	8.92	H	284.703 175 33	−54.890 442 37		1.84	1.52	1.77	0.93	0.78	1.23	1.05	0.91	+25	−27	−12	+10	−44	−	2	−40	−25	+	7	+37	0	1.83
93184 H	18 58 50.43	−48 58 51.1	9.68	G	284.710 137 62	−48.980 856 42	A	6.76	−1.72	−10.48	2.80	2.00	2.76	3.40	2.14	+	7	−11	−32	−39	+16	−11	+	7	−58	+22	−11	2	0.37
93185	18 58 50.97	+30 10 48.6	6.80	H	284.712 355 63	+30.180 172 04		42.68	56.25	194.66	0.43	0.49	0.64	0.48	0.64	−	5	−14	+	0	+33	−	2	−19	−	4	+25	+16	−	9	0	0.28
93186	18 58 51.32	−51 27 55.1	9.79	H	284.713 816 01	−51.465 298 95		3.27	18.59	−160.68	1.32	0.99	1.55	1.76	1.26	+	1	−12	−	2	−16	+16	−	6	+11	−39	+	5	−12	4	1.78
93187	18 58 52.62	+69 31 52.5	6.52	1 H	284.719 248 25	+69.531 263 34		5.19	4.59	11.72	0.50	0.41	0.47	0.51	0.47	+12	−18	−	2	+	3	+18	−17	+19	+	6	+	7	+15	1	1.34
93188 H	18 58 53.00	−48 30 21.3	6.63	G	284.720 818 49	−48.505 913 49	A	5.55	1.87	−4.07	1.01	0.74	0.98	1.11	0.73	+	9	−	8	+	0	−40	+	4	+	7	+	3	−48	−	1	+	7	1	−0.29
93189	18 58 53.05	−07 20 40.8	9.54	G	284.721 046 18	−07.344 662 16		−2.90	−4.21	−2.86	1.69	1.25	1.85	1.95	1.42	−	8	−34	−29	+10	−11	+28	−	3	−	2	−	3	−13	0	−0.06
93190	18 58 53.11	−04 43 36.0	7.49	G	284.721 282 25	−04.726 666 43		12.13	5.93	−3.58	0.75	0.50	0.95	0.89	0.72	+27	−	7	−	8	−21	+12	−11	+16	−24	+14	+19	0	−1.00
93191	18 58 53.74	−35 57 52.5	7.58	H	284.723 910 32	−35.964 582 96		7.28	19.08	8.14	0.97	0.55	0.99	1.33	0.81	−10	−36	−	4	+	5	+12	−	4	+	2	−36	+	2	−36	0	1.61
93192	18 58 54.57	+36 53 04.0	9.25	H	284.727 360 39	+36.884 456 35		2.84	9.09	−18.03	0.75	0.84	1.01	0.83	0.96	−12	−22	+	2	−	5	+	0	−11	+	1	+12	−	2	−13	3	−0.05
93193	18 58 56.03	−41 18 49.7	8.38	G	284.733 476 67	−41.313 805 86		1.73	0.57	−11.37	0.94	0.72	1.23	1.34	0.87	+	1	−15	−33	−27	+37	−29	+19	−45	+	9	−28	0	−0.63
*93194	18 58 56.62	+32 41 22.4	3.25	1 G	284.735 935 68	+32.689 553 12		5.14	−2.76	1.77	0.37	0.42	0.51	0.40	0.48	−	2	+	9	−	6	+14	+19	−	7	+21	+	8	+11	−	3	1	−0.28
*93195	18 58 56.55	−00 30 13.3	8.39	G	284.735 645 58	−

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
93101	10.995	0.061	9.396	0.025		1.444	0.006	G	1.89	0.00	A	9.3027	0.0020	0.026	80		9.27	9.34					1							
93102	11.748	0.114	10.390	0.053		1.098	0.003	G	1.17	0.00	I	10.3343	0.0044	0.028	79		10.29	10.37					1							G
93103	10.027	0.028	9.700	0.032		0.387	0.020	G	0.45	0.02	H	9.7875	0.0028	0.021	75		9.74	9.84		C			1							G
93104	5.773	0.003	5.877	0.004		−0.090	0.004	T	−0.07	0.01	L	5.8639	0.0014	0.014	123		5.85	5.94	5.82	P 1 A			1							S
93105	8.440	0.011	8.247	0.012		0.185	0.015	T	0.20	0.02	L	8.3058	0.0015	0.012	91		8.28	8.33		C			1							S
93106	10.314	0.019	8.978	0.010		1.133	0.017	T	1.10	0.02	L	9.0123	0.0014	0.021	232		8.97	9.06					1	S						
93107	10.398	0.039	9.070	0.022		1.127	0.035	T	1.09	0.04	L	9.0902	0.0027	0.019	70		9.07	9.13					1							
93108	8.396	0.016	7.744	0.014	*	0.605	0.018	T	0.67	0.02	L *	7.9442	0.0012	0.012	115	*	7.93	7.97		D	18581+4711	I 1	2 C	A	AB	200	1.677	0.003	0.19	0.01	S
93109	10.115	0.042	8.860	0.024		1.070	0.038	T	1.03	0.03	L	8.8661	0.0027	0.017	60		8.84	8.89		C			1							
93110	10.369	0.064	8.961	0.034		1.000	0.040	G	0.98	0.03	R	8.9386	0.0021	0.018	71		8.90	8.98					1							
93111	8.849	0.010	7.552	0.006		1.103	0.009	T	1.07	0.01	L	7.6068	0.0012	0.012	157		7.59	7.63		C			1							S
93112	9.399	0.020	9.284	0.024		0.111	0.029	T	0.12	0.03	L	9.2846	0.0023	0.017	101		9.25	9.32					1							
93113	10.336	0.034	8.596	0.015		1.451	0.029	T	1.45	0.05	L	8.5656	0.0020	0.014	76		8.54	8.59		C			1							
93114	7.962	0.011	7.390	0.009		0.543	0.015	G	0.62	0.01	H	7.4501	0.0015	0.010	68		7.44	7.47		C			1							S
93115	9.490	0.018	9.245	0.021		0.320	0.015	G	0.37	0.02	H	9.2681	0.0029	0.021	83		9.23	9.31					1							
93116	8.544	0.013	8.329	0.014		0.205	0.018	T	0.23	0.02	L	8.3550	0.0017	0.012	65		8.33	8.38		C			1							
93117	6.319	0.003	6.354	0.004	*	−0.033	0.002	G	−0.01	0.00	H *	6.3518	0.0006	0.005	135	*	6.34	6.36		D	18582−8325	I 1	2 C	A	AB	283	0.430	0.002	0.02	0.01	S
93118	6.764	0.006	6.911	0.006		−0.128	0.007	T	−0.12	0.01	L	6.8903	0.0011	0.010	82		6.87	6.91			18582−2025	I 1	1							S
93119	11.833	0.108	10.299	0.044	*	1.556	0.082	G	2.46	0.34	I *	10.1854	0.0036	0.029	97	*	10.15	10.23		D	18582+7518	M 1	2 C	A	BA	149	0.244	0.009	0.23	0.20	G
93120	9.958	0.029	9.455	0.029		0.484	0.031	T	0.56	0.03	L	9.5109	0.0021	0.015	75		9.48	9.55					1							
93121	7.886	0.006	7.805	0.006		0.080	0.008	T	0.09	0.01	L	7.8234	0.0009	0.015	234		7.80	7.85					1							S
93122	10.113	0.028	9.578	0.027		0.502	0.035	T	0.57	0.04	L	9.7117	0.0023	0.023	78		9.67	9.74		D			1							
93123	8.795	0.013	8.725	0.017		0.069	0.020	T	0.08	0.02	L	8.7173	0.0034	0.021	77		8.69	8.76					1	S						S
93124	6.220	0.024	5.411	0.016		0.731	0.022	T	0.78	0.02	L	5.4771	0.0262	0.142	91		5.32	5.66	4.47	P 1 A	18582+1722	I 1	1	S						S P
93125	9.846	0.042	7.903	0.018		1.612	0.036	T	1.63	0.04	L	7.7926	0.0018	0.016	67		7.77	7.82					1	S						
93126	8.778	0.012	7.501	0.008		1.087	0.011	T	1.05	0.01	L	7.5395	0.0010	0.009	77		7.53	7.56		C			1							S
93127	8.789	0.009	8.249	0.008		0.506	0.011	T	0.58	0.01	L	8.3149	0.0013	0.016	195		8.28	8.34					1							
93128	8.715	0.012	8.447	0.013	*	0.255	0.017	T	0.29	0.02	L *	8.4523	0.0017	0.013	83	*	8.43	8.48		C	18583+0347	H 1	2 C	S B	AB	51	0.155	0.023	1.46	0.54	
93129	7.510	0.006	7.465	0.008		0.046	0.009	T	0.06	0.01	L	7.4956	0.0012	0.010	116		7.48	7.51					1							S
93130	11.179	0.073	10.667	0.077		0.571	0.020	G	0.64	0.02	H	10.7068	0.0040	0.031	81		10.66	10.76		C			1							G
93131	8.306	0.011	8.026	0.012		0.256	0.009	G	0.29	0.01	H	8.0741	0.0025	0.014	74		8.05	8.10		C			1							
93132	6.687	0.005	6.633	0.005		0.055	0.007	T	0.07	0.01	L	6.6413	0.0011	0.007	77		6.63	6.66					1							S
93133	10.170	0.027	8.565	0.013		1.345	0.024	T	1.31	0.03	L	8.5732	0.0017	0.015	112		8.55	8.59		C			1							
93134	7.861	0.011	6.244	0.005		1.347	0.003	G	1.31	0.00	H	6.2427	0.0009	0.007	68		6.24	6.26					1							S
93135	10.837	0.048	9.227	0.021		1.348	0.041	T	1.31	0.05	L	9.2563	0.0022	0.020	96		9.22	9.30		C			1							
93136	10.247	0.021	9.418	0.016		0.730	0.020	T	0.78	0.01	L	9.4534	0.0021	0.029	203		9.40	9.50					1							
93137	8.272	0.010	7.743	0.008		0.511	0.015	G	0.58	0.02	H	7.7887	0.0011	0.012	127		7.78	7.81					1	X						S
93138	6.772	0.005	6.263	0.005		0.478	0.006	T	0.55	0.01	L	6.3209	0.0008	0.007	83		6.31	6.34					1							S
93139	11.156	0.052	8.968	0.014		1.849	0.044	T	2.28	0.09	O	8.8337	0.0020	0.020	127		8.80	8.87					1							
93140	6.257	0.005	6.160	0.005		0.087	0.006	T	0.10	0.01	L	6.1789	0.0008	0.007	74		6.17	6.20		C			1							S
93141	9.168	0.014	9.001	0.016		0.160	0.020	T	0.18	0.02	L	9.0247	0.0019	0.018	98		8.99	9.05		C			1							
93142	7.316	0.007	7.102	0.007		0.204	0.009	T	0.22	0.01	L	7.1402	0.0008	0.008	91		7.13	7.16		C			1							S
93143	8.744	0.011	8.322	0.011		0.420	0.007	G	0.49	0.01	H	8.3767	0.0010	0.013	106		8.36	8.40		C			1							S
93144	8.469	0.012	8.116	0.014	*	0.343	0.016	T	0.40	0.02	L *	8.2226	0.0022	0.020	128	*	8.19	8.25		D	18584+3626	I 1	2 C	A	AB	287	5.458	0.005	1.86	0.03	S
93145	11.511	0.078	9.480	0.022		1.720	0.067	T	2.06	0.23	K	9.3689	0.0114	0.093	99		9.25	9.51		U 2			1							
93146	8.745	0.011	7.615	0.008		0.972	0.011	T	0.96	0.01	L	7.6732	0.0010	0.010	112		7.66	7.69					1							S
93147	8.426	0.012	8.368	0.015		0.058	0.018	T	0.07	0.01	L	8.3934	0.0016	0.013	69		8.37	8.42		C			1							S
93148	4.784	0.002	4.835	0.003		−0.051	0.004	G	−0.03	0.00	H	4.8372	0.0006	0.005	88		4.83	4.85		C			1							S
93149	7.219	0.007	7.175	0.008	*	0.040	0.010	T	0.06	0.01	L *	7.2080	0.0014	0.008	77	*	7.19	7.22		C	18585−3413	H 1	2 C	A	AB	163	0.490	0.011	3.19	0.05	S
93150	8.527	0.008	7.353	0.005		1.007	0.007	T	0.98	0.01	L	7.4018	0.0008	0.012	193		7.38	7.42					1							S
93151	8.633	0.011	7.088	0.006		1.297	0.010	T	1.26	0.01	L	7.0974	0.0009	0.011	92		7.08	7.11		C			1							S
93152	9.583	0.028	8.937	0.025		0.592	0.028	T	0.66	0.03	L	8.9946	0.0020	0.015	62		8.96	9.02		C			1							
93153	9.683	0.020	8.674	0.014		0.881	0.018	T	0.89	0.01	L	8.7245	0.0014	0.017	124		8.70	8.76					1							
93154	10.470	0.052	10.008	0.057		0.435	0.071	T	0.50	0.07	L	10.2125	0.0047	0.031	52		10.16	10.26		C			1							G
93155	9.172	0.020	9.134	0.026		0.107	0.005	G	0.12	0.01	H	9.1263	0.0033	0.023	75		9.09	9.16					1							
93156	9.167	0.016	9.038	0.020		0.125	0.024	T	0.14	0.03	L	9.0476	0.0014	0.017	147		9.02	9.07		C			1							
93157	9.814	0.016	7.782	0.006		1.683	0.014	T	1.71	0.01	L	7.6345	0.0015	0.018	211		7.61	7.66		U	18585+2515	I 1	1	S						
93158	13.355	0.524	8.660	0.015		2.100	0.510	G	2.09	0.52	J	8.0642	0.0154	0.144	72		7.89	8.33		U 2			1	S						P
93159	9.190	0.013	8.039	0.009		0.989	0.012	T	0.97	0.01	L	8.0959	0.0011	0.013	113		8.07	8.11					1	S						
93160	8.192	0.006	8.008	0.007		0.176	0.009	T	0.19	0.01	L	8.0498	0.0014	0.015	200		8.02	8.07					1							
93161	6.857	0.004	6.904	0.005		−0.038	0.006	T	−0.02	0.01	L	6.9019	0.0009	0.007	97		6.89	6.92		C			1							S
93162	9.943	0.021	8.775	0.014		1.002	0.020	T	0.98	0.02	L	8.8302	0.0013	0.014	110		8.81	8.86		C			1	S						
93163	6.897	0.005	5.285	0.003		1.355	0.004	G	1.35	0.06	F	5.2830	0.0014	0.012	100		5.27	5.30		U 2			1							S
93164	9.199	0.018	8.682	0.018		0.511	0.015	G	0.58	0.02	H	8.7553	0.0017	0.015	76		8.74	8.78		C			1							
93165	7.370	0.006	7.054	0.007		0.317	0.015	G	0.37	0.02	H	7.1083	0.0008	0.008	100		7.09	7.12		C			1							S
93166	9.188	0.015	9.095	0.019		0.091	0.023	T	0.10	0.03	L	9.1430	0.0019	0.018	123		9.11	9.17		C			1							
93167	10.734	0.045	8.758	0.016		1.674	0.039	T	1.82	0.11	O	8.6718	0.0027	0.024	81		8.64	8.71					1							
93168	10.029	0.036	8.770	0.021		1.073	0.033	T	1.04	0.03	L	8.7945	0.0024	0.015	69		8.75	8.81					1							
93169	9.923	0.025	8.308	0.013		1.352	0.022	T	1.32	0.03	L	8.3246	0.0017	0.013	101		8.30	8.36		C			1							
93170			9.624	0.025		0.976	0.142	G	1.00	0.08	L	9.1774	0.0023	0.016	82		9.15	9.21		C			1	S						
93171	6.761	0.002	6.743	0.003		0.039	0.008	G	0.05	0.01	H	6.7593	0.0007	0.011	293		6.74	6.78		M			1							S
93172	9.491	0.019	9.448	0.025		0.044	0.029	T	0.06	0.02	L	9.4533	0.0030	0.025	94		9.40	9.50		C			1	S						G
93173	8.366	0.008	8.083	0.009		0.276	0.015	G	0.31	0.02	H	8.1305	0.0012	0.014	120		8.11	8.16		C			1							S
93174	5.291	0.014	4.872	0.016		0.396	0.020	T	0.44	0.02	A	4.9201	0.0186	0.109	62		4.82	5.08	0.59	P 1 A			1							S
93175	6.449	0.003	6.507	0.003		−0.048	0.004	T	−0.03	0.00	L	6.5089	0.0006	0.008	140		6.50	6.52		C			1							S
93176	10.972	0.037	9.122	0.014		1.538	0.031	T	1.59	0.07	L	9.0865	0.0016	0.023	170		9.04	9.12		U			1	G						
93177	5.999	0.005	6.169	0.005		−0.146	0.006	T	−0.14	0.01	L	6.1513	0.0043	0.034	121		6.10	6.20		U 2	18588+4041	I 1	1	S						S P
93178	11.899	0.120	10.007	0.036		1.605	0.103	T	2.03	0.23	K	9.9286	0.0031	0.027	104		9.89	9.99					1							
93179	6.230	0.004	5.939	0.003		0.251	0.005	G	0.28	0.01	H	5.9810	0.0007	0.006	76		5.97	5.99		C			1							S
93180	7.424	0.005	7.289	0.006		0.160	0.002	G	0.18	0.00	H	7.3120	0.0011	0.010	126		7.29	7.33					1							S
93181	10.908	0.055	9.531	0.028		1.160	0.034	G	1.12	0.03	H	9.5841	0.0147	0.134	80		9.42	9.77		U 2 C			1							
93182	9.703	0.022	8.875	0.018		0.730	0.022	T	0.78	0.02	L	8.9683	0.0024	0.016	80		8.94	9.00		C			1							
93183	10.041	0.027	9.002	0.019		0.903	0.025	T	0.90	0.02	L	9.0827	0.0022	0.017	98		9.06	9.11		C			1							
93184	10.605	0.044	9.719	0.032	A	0.739	0.005	G	0.79	0.01	R *	9.8193	0.0036	0.028	74	*	9.77	9.86			18588−4859	I 1	2 C	A	AB	111	1.503	0.050	2.78	0.14	
93185	7.519	0.006	6.866	0.004		0.606	0.006	T	0.68	0.01	L	6.9264	0.0006	0.008	137		6.91	6.94		C			1							S
93186	10.252	0.034	9.836	0.037		0.449	0.033	G	0.52	0.04	H	9.8864	0.0036	0.024	74		9.84	9.92					1							
93187	6.320	0.004	6.483	0.005		−0.169	0.005	G	−0.17	0.01	H	6.4617	0.0013	0.011	106		6.44	6.48	1.12	P 1 A			1							S
93188	8.423	0.011	6.785	0.007	A	1.322	0.002	G	1.28	0.00	H *	6.8037	0.0010	0.008	76	*	6.79	6.82		D	18589−4830	I 1	2 C	B	AB	227	3.180	0.027	3.89	0.12	S
93189	9.913	0.033	9.649	0.040		0.294	0.021	G	0.34	0.03	H	9.6442	0.0035	0.025	63		9.60	9.67		C			1	G						G
93190	8.004	0.007	7.538	0.008		0.443	0.015	G	0.51	0.02	H	7.5915	0.0007	0.007	137		7.57	7.61					1							S
93191	7.993	0.012	7.614	0.012		0.370	0.015	T	0.43	0.02	L	7.6682	0.0016	0.012	75		7.65	7.69					1							S
93192	10.317	0.032	9.326	0.022		0.856	0.030	T	0.87	0.02	L	9.3927	0.0021	0.022	115		9.35	9.43		C			1							
93193	8.371	0.009	8.402	0.012		−0.018	0.005	G	0.00	0.01	H	8.3912	0.0016	0.013	104		8.37	8.41		C			1							
93194	3.204	0.002	3.243	0.002		−0.049	0.005	G	−0.03	0.03	C	3.2343	0.0004	0.004	149		3.23	3.24		M	18590+3242	I 1	1							S
93195	9.397	0.016	8.448	0.012		0.829	0.015	G	0.87	0.01	H	8.5301	0.0018	0.014	100		8.50	8.55		C			1							
93196	9.652	0.022	9.147	0.022		0.478	0.020	G	0.55	0.02	H	9.1861	0.0023	0.018	90		9.15	9.22					1							
93197	7.584	0.006	6.445	0.005		0.979	0.006	T	0.96	0.01	L	6.4883	0.0006	0.006	99		6.48	6.50		C			1							S
93198	7.564	0.006	7.470	0.007		0.092	0.009	T	0.10	0.01	L	7.5014	0.0009	0.009	110		7.49	7.51		C			1							S
93199	10.678	0.034	9.777	0.024	*	0.730	0.002	G	0.78	0.00	H *	9.7889	0.0027	0.030	157	*	9.74	9.85		D	18590−7447	H 1	2 C	A	AB	139	0.615	0.006	1.10	0.04	
93200	7.135	0.006	7.034	0.007		0.091	0.008	T	0.10	0.01	L	7.0532	0.0012	0.009	78		7.04	7.07		C			1							S

Number	Descriptor: epoch J1991.25				Position: epoch J1991.25			Par.	Proper Motion		Standard Errors					Astrometric Correlations (%)										Soln	
HIP	RA	Dec	V		α (ICRS)	δ		π	$\mu_{\alpha*}$	μ_δ	$\alpha*$	δ	π	$\mu_{\alpha*}$	μ_δ	δ $\alpha*$	π $\alpha*$	π δ	$\mu_{\alpha*}$ $\alpha*$	$\mu_{\alpha*}$ δ	$\mu_{\alpha*}$ π	μ_δ $\alpha*$	μ_δ δ	μ_δ π	μ_δ $\mu_{\alpha*}$	F1	F2
	h m s	±° ′ ″	mag		deg	deg		mas	mas/yr		mas		mas	mas/yr												%	
1 2	3	4	5	6 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
93201	18 59 02.65	+33 07 02.0	6.98	H	284.761 048 78	+33.117 233 37		5.33	8.50	−7.29	0.43	0.49	0.64	0.50	0.58	− 4	+ 2	+ 3	+11	+16	−27	+18	+12	+22	−12	0	−1.03
93202	18 59 05.48	−15 51 36.1	8.02	H	284.772 828 44	−15.860 014 05		5.08	6.77	3.51	0.82	0.55	0.96	0.91	0.64	+ 8	−31	−14	− 3	+ 1	+33	+ 7	− 7	− 2	+ 7	0	2.05
93203	18 59 05.73	+13 37 21.2	5.27	H	284.773 870 15	+13.622 548 53		20.99	19.49	−124.92	0.64	0.48	0.69	0.76	0.59	− 4	− 3	−20	−18	+19	+17	+21	−14	+22	+12	0	0.56
93204	18 59 05.75	+43 43 15.5	6.86	H	284.773 968 09	+43.720 983 35		4.38	2.26	14.50	0.46	0.48	0.54	0.49	0.59	+ 6	− 2	− 9	+ 9	+ 2	+ 7	+ 4	− 3	+ 3	+19	0	−1.53
93205 H	18 59 05.93	+18 10 05.4	9.18	H	284.774 703 36	+18.168 180 06	A	7.06	−20.64	−32.41	1.85	2.18	2.55	1.95	2.26	+10	+ 0	−10	+24	−16	+27	−19	+20	+ 0	+20	1	0.11
93206	18 59 07.33	−48 16 23.8	11.13	G	284.780 522 02	−48.273 265 31		72.07	154.68	−494.09	2.32	1.66	2.52	2.91	1.99	+28	−16	− 9	−27	− 5	+ 0	− 5	−49	− 7	+27	0	−0.80
93207	18 59 07.47	−28 35 33.6	8.66	G	284.781 130 11	−28.592 667 67		9.25	−32.32	−5.15	1.19	0.65	1.22	1.45	0.83	− 3	−25	− 7	+15	− 8	−10	−20	−37	+ 5	−26	2	−0.58
93208	18 59 07.74	−08 58 13.7	7.59	H	284.782 244 45	−08.970 472 48		12.33	58.61	−32.64	0.78	0.53	0.95	0.79	0.58	+ 6	−33	−23	− 8	+ 3	+26	+ 6	−20	+11	− 1	0	−0.72
93209	18 59 10.97	−39 32 04.7	6.49	H	284.795 693 12	−39.534 635 73		6.71	−3.83	−31.53	0.77	0.43	0.85	0.87	0.54	− 2	−44	+ 9	+ 8	+ 2	+ 7	+ 5	−36	−15	− 6	0	0.34
93210	18 59 12.29	+39 13 02.4	6.43	1 H	284.801 217 16	+39.217 324 10		3.97	−0.16	−1.17	0.45	0.48	0.56	0.47	0.57	− 8	− 9	− 3	+ 9	+ 3	−14	+ 4	− 4	+ 5	+ 4	3	−0.72
93211	18 59 12.34	+15 07 47.5	7.36	H	284.801 433 55	+15.129 869 47		1.19	2.90	−7.12	0.74	0.58	0.90	0.94	0.69	+ 3	− 8	−20	+14	+11	+24	+14	−12	+33	+19	0	−0.77
93212	18 59 12.74	−06 50 31.4	7.52	G	284.803 092 15	−06.842 054 42		2.81	0.32	−10.26	0.90	0.61	1.01	1.15	0.89	+ 1	−10	− 9	+15	+ 9	+28	+16	+ 5	− 9	+ 4	2	2.65
93213 H	18 59 13.15	−21 13 50.3	8.55	H	284.804 804 71	−21.230 642 49	A	1.44	−1.52	−6.51	3.38	3.14	1.64	2.92	1.75	−51	+15	−20	−21	+15	+ 7	+24	−37	+ 8	−38	1	−0.87
93214	18 59 14.80	+31 40 53.3	7.45	1 H	284.811 681 24	+31.681 466 97		3.81	11.00	19.43	0.51	0.56	0.74	0.64	0.66	+ 6	− 5	+ 5	+17	+14	−12	+12	+16	+26	+ 1	0	−0.65
93215	18 59 15.19	−07 08 00.9	8.97	2 H	284.813 292 99	−07.133 588 86		1.35	0.29	−1.16	1.20	0.78	1.50	1.51	1.15	+18	−39	−30	−12	−16	+39	− 2	−16	− 8	+ 4	0	0.70
93216	18 59 15.83	−08 09 31.8	8.23	H	284.815 964 10	−08.158 820 20		0.95	2.71	−1.48	0.95	0.65	1.12	1.06	0.74	− 1	−28	−22	+ 5	− 2	+26	+ 0	−11	+ 5	−14	0	−0.33
93217	18 59 16.95	−26 52 36.5	10.56	H	284.820 642 93	−26.876 807 24		3.41	1.63	3.98	2.31	1.32	2.26	3.03	1.76	−16	−30	+ 1	+21	−23	− 9	−24	−29	− 5	−26	5	−0.36
93218	18 59 17.34	+10 08 27.6	6.75	H	284.822 252 98	+10.141 011 87		0.84	1.37	−3.10	0.71	0.49	0.83	0.78	0.63	− 4	−31	−10	+ 8	+ 4	+ 7	− 4	− 9	+26	− 8	0	0.25
93219	18 59 18.37	−01 22 03.4	8.47	H	284.826 538 16	−01.367 598 24		1.12	1.05	−3.19	0.87	0.65	1.07	0.94	0.78	+20	−12	−14	−30	− 5	+17	− 1	−32	−16	− 1	0	−1.15
93220	18 59 20.03	−45 41 17.6	8.23	H	284.833 440 23	−45.688 221 92		0.14	−2.71	−19.31	0.87	0.64	1.05	1.09	0.71	+21	−31	−25	+13	− 1	+ 1	−13	−32	+16	− 8	0	−1.04
93221	18 59 21.20	−53 50 12.9	8.72	H	284.838 329 51	−53.836 904 75		0.53	−0.21	−3.24	1.12	0.72	1.25	1.20	0.79	+30	−23	− 1	+43	−23	−17	−17	−22	− 7	+38	0	−1.06
93222	18 59 21.45	+41 38 13.0	7.79	2 H	284.839 364 58	+41.636 953 43		1.21	−3.66	−12.31	0.57	0.58	0.68	0.63	0.68	+ 3	− 3	− 5	+ 6	+13	− 4	+14	− 3	−11	+11	0	−0.24
93223	18 59 21.56	−47 19 47.5	9.89	G	284.839 838 00	−47.329 847 72		5.73	8.61	2.52	1.43	1.09	1.70	1.75	1.21	+41	−38	−36	−15	− 6	− 5	−13	−46	+ 3	+21	0	−0.17
*93224	18 59 23.82	−19 16 45.4	6.52	2 H	284.849 250 51	−19.279 289 04		1.10	1.37	−28.65	0.84	0.49	0.91	0.94	0.69	−10	−29	− 1	+ 0	+ 9	+21	+11	−23	+19	+11	0	0.26
*93225 H	18 59 23.80	−12 50 25.7	5.51	1 H	284.849 177 15	−12.840 462 42	*	6.34	−1.05	−22.44	0.72	0.47	0.80	0.72	0.51	+ 1	−38	+ 3	+ 4	−14	+17	− 9	−29	− 9	+ 3	0	2.01
93226	18 59 24.39	−50 20 34.6	8.54	G	284.851 616 57	−50.342 942 22		10.25	58.29	−26.74	0.94	0.66	1.06	1.29	0.82	+ 7	−18	−10	+21	+ 6	− 2	− 1	−16	− 5	−14	2	2.70
93227	18 59 24.44	−35 54 46.8	8.61	1 G	284.851 839 56	−35.913 006 48		2.56	0.56	−8.65	1.15	0.64	1.18	1.61	0.96	− 8	−36	−10	+ 7	+14	− 4	− 1	−36	+12	−37	0	0.48
93228	18 59 25.05	+46 57 11.9	8.10	H	284.854 369 19	+46.953 292 57		2.66	−11.40	−12.91	0.62	0.61	0.69	0.79	0.75	− 2	− 8	−10	− 3	+11	−16	+ 7	+15	− 9	+12	0	3.07
93229	18 59 25.39	−44 08 17.5	8.59	H	284.855 791 77	−44.138 184 90		12.49	−140.40	12.97	1.08	0.76	1.30	1.31	0.84	+32	−39	−35	+ 5	+19	− 9	+ 3	−34	+13	− 1	0	0.65
93230	18 59 26.21	+17 05 48.7	8.98	G	284.859 189 39	+17.096 848 83		3.39	0.92	0.50	0.84	0.80	1.12	1.01	1.02	+33	−16	−14	+10	−11	+ 7	−10	−16	+15	+42	0	0.80
93231	18 59 26.27	+43 00 47.6	7.54	H	284.859 447 44	+43.013 210 46		5.07	−0.40	2.86	0.48	0.53	0.58	0.49	0.60	+ 3	− 8	− 1	+ 8	+14	− 4	+16	+ 7	−12	+ 7	0	−0.19
93232	18 59 26.66	−10 34 48.9	8.60	H	284.861 095 01	−10.580 246 42		2.62	−23.64	−12.88	1.06	0.75	1.19	1.30	1.01	+12	−19	−16	+12	+ 5	+25	+15	− 7	+ 9	+17	5	0.41
*93233	18 59 26.79	−75 23 24.2	6.70	H	284.861 631 32	−75.390 065 41		5.12	28.99	−5.89	0.42	0.49	0.65	0.47	0.51	−15	−14	− 2	+ 9	+ 2	− 6	+ 1	− 9	− 2	−22	0	−0.43
*93234	18 59 26.78	−18 33 59.0	6.37	H	284.861 580 95	−18.566 387 66		3.93	−0.62	−18.62	0.74	0.48	0.85	0.78	0.55	+14	−22	−17	+ 2	+ 1	+26	+ 4	−21	+17	+19	0	1.61
93235	18 59 28.31	−14 05 26.2	9.44	H	284.867 958 77	−14.090 614 44		1.75	3.23	−4.10	1.15	0.75	1.25	1.57	0.98	− 7	−18	−13	+14	+ 3	+15	− 5	−19	+ 0	−36	5	1.40
93236	18 59 28.69	+43 43 59.7	8.11	H	284.869 533 61	+43.733 247 19		5.19	13.10	−35.20	0.58	0.69	0.72	0.65	0.78	+ 9	− 6	−16	+ 8	− 3	+ 8	+ 0	− 9	+ 2	+18	3	−0.10
93237	18 59 28.74	+70 41 50.3	7.89	G	284.869 736 40	+70.697 312 26		4.82	−0.79	−24.47	0.59	0.47	0.56	0.61	0.54	+11	−22	− 2	−36	−14	− 2	−13	+ 1	− 1	+ 7	0	3.15
93238	18 59 29.27	−70 28 06.1	6.49	H	284.871 978 51	−70.468 367 40		9.30	−3.89	−117.69	0.31	0.46	0.66	0.37	0.50	−16	−12	− 8	+15	− 9	− 5	− 9	+ 0	− 5	−24	0	−1.51
93239	18 59 29.55	−23 15 57.3	8.06	H	284.873 127 68	−23.265 906 90		1.89	−4.23	−12.92	1.17	0.75	1.23	1.35	0.89	−17	−10	−23	−26	+16	−21	+12	−41	+ 6	−10	2	2.03
93240	18 59 31.01	+58 36 42.4	8.71	H	284.879 201 16	+58.611 773 11		3.91	−7.10	−3.75	0.68	0.64	0.69	0.71	0.72	+ 8	− 9	+ 5	+21	+10	+ 3	+12	+ 1	+ 8	+18	0	−0.13
93241 H	18 59 34.15	+63 00 51.3	8.23	H	284.892 291 31	+63.014 237 68	A	7.48	19.85	−12.25	1.21	1.12	1.11	1.25	1.24	+ 2	−10	+14	−12	+11	− 3	+12	+ 3	+ 3	+ 9	2	1.36
93242	18 59 36.02	−21 49 41.7	7.97	H	284.900 077 20	−21.828 241 05		2.79	7.47	−4.27	1.16	0.71	1.15	1.81	1.06	−18	+15	−14	−31	+12	− 1	+ 6	−50	− 6	−36	0	0.46
93243	18 59 36.44	+19 29 11.3	7.51	H	284.901 831 19	+19.486 464 72		3.04	−1.18	−2.92	0.65	0.61	0.89	0.82	0.74	+17	−21	−24	+27	− 1	+11	− 5	− 4	+33	+16	0	0.47
93244	18 59 37.39	+15 04 06.5	4.02	G	284.905 788 44	+15.068 477 57	+	21.22	−52.68	−73.81	0.70	0.50	0.77	0.86	0.96	+ 3	−21	− 7	+20	+28	− 3	+29	+ 5	+14	− 3	0	0.18
93245	18 59 37.55	−02 50 07.3	7.41	H	284.906 437 96	−02.835 352 67		3.38	−4.57	−10.50	0.78	0.55	0.91	0.81	0.66	+24	−20	−15	−21	+ 5	+ 7	+ 6	−34	+19	+32	0	0.36
93246	18 59 37.95	+18 25 27.3	8.36	H	284.908 126 31	+18.424 254 92		2.46	1.14	−9.50	0.74	0.76	1.09	0.90	0.87	+29	−12	−22	+14	− 6	+21	− 3	− 6	+22	+33	2	−0.61
93247	18 59 38.00	+27 14 15.5	9.00	H	284.908 334 74	+27.237 635 64		2.49	1.76	1.68	0.73	0.84	1.16	0.93	1.19	− 2	−19	−14	+28	− 2	− 1	− 2	+25	− 3	−27	0	0.99
93248	18 59 38.39	+07 59 15.7	10.86	G	284.909 961 98	+07.987 695 68		38.48	364.03	−181.10	1.92	1.60	2.44	2.33	1.78	−14	−18	+26	−17	+ 4	−13	+ 8	−40	−15	−17	0	0.55
93249	18 59 38.51	−16 06 30.5	8.02	H	284.910 467 87	−16.108 483 71		5.05	4.82	−5.91	0.86	0.55	0.98	0.94	0.60	+ 5	−34	−15	− 7	− 1	+26	+ 3	−21	−10	−16	0	−0.78
93250	18 59 41.45	−40 37 21.7	7.72	G	284.922 703 93	−40.622 693 36		4.19	2.76	−11.35	0.75	0.48	0.90	0.90	0.61	+ 3	−28	+11	− 2	+15	+ 8	+15	−40	− 9	+ 3	2	0.59
93251	18 59 42.15	+12 03 46.8	8.62	H	284.925 606 13	+12.063 008 10		3.00	3.24	−3.42	1.10	0.89	1.31	1.20	1.00	− 6	−29	−24	−33	+20	+ 1	+11	−45	+23	−27	0	0.90
93252	18 59 42.59	+16 15 10.3	7.06	H	284.927 460 28	+16.252 873 80		22.36	−102.46	−123.60	0.55	0.48	0.76	0.69	0.59	+32	−16	−10	+45	+ 2	+17	+ 6	+ 0	+28	+46	0	1.13
93253	18 59 42.75	+34 05 42.6	7.52	H	284.928 117 54	+34.095 172 23		1.98	0.06	0.22	0.50	0.56	0.68	0.60	0.65	−13	− 6	− 2	+14	+ 6	−22	+ 6	+23	+ 4	−17	0	−0.24
93254	18 59 43.78	−15 18 45.9	8.75	G	284.932 405 62	−15.312 752 10		2.72	9.31	−1.71	1.10	0.71	1.22	1.23	0.87	− 8	−12	− 8	−20	+12	+12	+13	−33	+13	− 7	2	−0.42
93255	18 59 44.62	−34 28 15.2	8.10	G	284.935 908 63	−34.470 889 38		6.84	40.61	−67.47	1.13	0.69	1.17	1.33	0.88	+23	−31	− 9	+14	−15	− 5	−27	−38	+ 6	− 1	0	−1.75
93256	18 59 45.43	+26 13 49.6	5.26	1 H	284.939 285 75	+26.230 432 04		9.36	85.85	−11.33	0.32	0.42	0.57	0.40	0.56	− 6	− 7	−17	+ 3	+ 7	+ 2	+ 8	+ 8	− 5	−16	2	−0.27
93257	18 59 46.06	−53 56 48.1	9.52	H	284.941 936 36	−53.946 691 19		8.46	20.82	−45.84	1.14	0.86	1.45	1.37	1.10	+41	− 1	+14	+15	−33	+ 1	−26	−36	+ 5	+58	0	1.34
93258	18 59 50.61	−33 56 29.8	8.16	H	284.960 879 96	−33.941 602 00		4.33	−6.90	−20.90	1.16	0.67	1.21	1.34	0.82	+12	−37	−16	+18	− 1	−10	−13	−35	+ 7	−12	2	1.62
93259	18 59 50.96	+11 26 41.5	7.72	2 H	284.962 331 04	+11.444 858 27		3.41	12.52	14.15	0.78	0.64	0.98	0.84	0.75	+ 5	−32	−13	−10	+ 8	+ 8	+ 5	− 3	+16	−15	0	1.82
93260	18 59 51.56	+06 09 26.1	7.23	H	284.964 838 17	+06.157 239 07		5.27	16.32	6.13	0.80	0.64	0.90	0.88	0.71	+23	−14	− 7	−29	−16	− 8	−16	−42	− 3	+28	0	0.86
93261	18 59 51.67	−07 46 42.6	10.19	G	284.965 289 47	−07.778 487 65		8.95	−287.96	−122.21	2.70	1.55	2.24	2.78	1.65	−60	−29	+ 8	+45	−34	+19	−32	+14	+18	−41	0	−0.63
93262	18 59 51.93	−57 58 39.9	7.58	H	284.966 370 67	−57.977 747 22		4.55	8.01	−13.52	0.80	0.63	1.08	0.87	0.78	+27	−28	−10	+16	−31	− 1	−28	−24	+ 2	+41	0	−0.15
93263	18 59 52.82	−60 15 13.7	9.15	H	284.970 101 93	−60.253 813 32		1.59	1.82	−14.14	1.21	0.94	1.39	1.86	1.09	−48	− 4	−28	+35	+ 2	−13	− 1	−18	+10	−46	0	−0.56
93264	18 59 53.81	−24 23 54.5	8.46	G	284.974 197 11	−24.398 458 84		1.48	−1.45	−9.23	1.09	0.62	1.10	1.36	0.78	− 5	−30	− 8	+29	−17	+11	−23	−14	− 8	−32	0	1.62
93265	18 59 55.55	−39 54 49.2	9.18	H	284.981 442 95	−39.913 657 35		2.02	4.18	−0.21	1.27	0.76	1.48	1.52	1.00	+ 4	−39	+ 6	− 1	+ 6	+ 4	+ 7	−43	−12	− 2	0	0.48
93266	18 59 57.26	+43 15 13.0	7.09	H	284.988 602 39	+43.253 622 40		10.32	25.82	41.91	0.45	0.50	0.55	0.46	0.57	− 2	− 4	−10	+ 8	+12	− 5	+12	+15	−10	+ 8	1	−1.10
93267	18 59 57.42	−62 34 44.9	8.34	H	284.989 266 43	−62.579 129 95		0.12	2.55	−2.27	0.78	0.69	1.08	1.04	0.70	− 2	−17	− 8	+24	−13	−22	− 9	−24	+ 4	+ 4	0	−0.59
93268	18 59 57.63	+12 53 21.4	9.14	H	284.990 145 11	+12.889 285 89	B	−1.03	−4.75	−2.59	23.08	17.66	11.08	11.65	8.40	+19	−26	− 7	−12	− 3	−12	−10	−31	+22	+ 6	11	1.00
93269	18 59 57.82	+64 03 14.7	9.17	G	284.990 937 35	+64.054 069 92		14.45	−175.98	−107.59	0.85	0.77	0.82	0.99	0.86	− 3	−31	+13	+36	+14	− 4	+17	+28	−11	+15	0	−0.69
93270	18 59 58.12	+22 48 52.2	6.28	2 H	284.992 164 47	+22.814 491 94		4.31	−16.17	9.52	0.41	0.45	0.67	0.55	0.57	− 5	−11	− 9	+ 0	− 6	+ 3	− 5	−23	+ 7	+ 1	1	0.51
93271 H	18 59 58.29	−71 32 05.0	7.95	H	284.992 863 99	−71.534 729 85	A	5.30	6.95	−26.02	0.60	0.83	1.04	0.63	0.83	−10	−13	+ 9	+15	−16	−12	−16	− 4	− 7	−20	0	−0.52
93272	18 59 58.44	−71 55 57.3	6.80	1 H	284.993 514 69	−71.932 579 74		5.20	19.01	−22.73	0.35	0.46	0.62	0.39	0.49	−19	−12	+ 2	+18	− 5	−10	− 4	− 6	− 7	−19	1	−0.33
93273	18 59 58.76	+12 53 24.1	7.26	G	284.994 826 83	+12.890 034 95	A	−0.34	−2.99	−6.50	2.38	1.67	1.93	2.15	1.54	+22	−22	−14	−20	+ 1	− 8	− 6	−36	+22	+ 9	11	1.00
93274	18 59 58.93	+04 36 39.1	7.43	H	284.995 560 90	+04.610 855 80		3.40	0.66	−14.99	0.74	0.57	0.87	0.68	0.55	+18	−28	− 7	−27	+ 1	+ 0	− 3	−38	+10	− 5	0	−0.11
93275	18 59 59.01	+26 57 56.4	6.80	1 H	284.995 857 62	+26.965 673 20		4.13	−5.95	−3.60	0.40	0.48	0.67	0.53	0.66	− 8	−15	−18	+ 7	+ 3	− 2	+ 4	+11	− 5	−28	0	−1.24
93276	18 59 59.92	−84 24 05.4	9.22	H	284.999 655 71	−84.401 512 55		11.96	3.89	−56.59	0.77	0.80	0.99	0.94	1.01	−15	−22	+20	+15	− 1	− 9	+ 4	+ 3	−14	−21	1	−1.64

No.	Tycho Magnitudes					Colour Indices						Magnitude (Hp)					Variability (Hp)				Multiplicity Data									Misc
HIP	B_T mag	σ mag	V_T mag	σ mag		B–V mag	σ mag		V–I mag	σ mag		Hp mag	σ mag	s mag	N		Max mag	Min mag	P days		CCDM	Flags	AB	θ °	ρ ″	σ_ρ ″	ΔHp mag	σ mag	Flags
31	32	33	34	35	36	37	38	39	40	41	42-3	44	45	46	47	48	49	50	51	52-4	55	56-7	58-61	62	63	64	65	66	67	68-70
93201	7.130	0.004	6.999	0.006		0.126	0.007	T	0.14	0.01	L	7.0250	0.0010	0.010	137		7.01	7.04					1							S
93202	8.239	0.010	8.046	0.012		0.185	0.015	T	0.20	0.02	L	8.0820	0.0015	0.014	77		8.06	8.11					1							S
93203	5.917	0.004	5.324	0.004		0.573	0.009	G	0.56	0.03	C	5.3783	0.0007	0.006	76		5.37	5.39		C	18591+1337	I 1	1 S							S
93204	6.847	0.005	6.853	0.006		−0.001	0.007	T	0.02	0.01	L	6.8691	0.0009	0.009	124		6.86	6.89		C			1							S
93205	9.960	0.029	9.334	0.027	*	0.582	0.035	T	0.65	0.03	L *	9.3012	0.0015	0.019	85	*	9.26	9.34		D	18591+1810	I 1	2 C A	AB	202	0.640	0.011	1.69	0.05	
93206						1.446	0.011	G	2.35	0.02	A	11.1678	0.0055	0.032	73		11.02	11.25					1							G
93207	9.283	0.019	8.686	0.018		0.578	0.015	G	0.65	0.01	H	8.7741	0.0016	0.013	72		8.75	8.80		C			1							
93208	8.122	0.010	7.642	0.009		0.471	0.015	G	0.54	0.02	H	7.6912	0.0013	0.009	80		7.68	7.71		C			1							S
93209	6.456	0.005	6.503	0.006		−0.040	0.007	T	−0.02	0.01	L	6.4894	0.0008	0.006	85		6.48	6.50		C	18592−3932	I 1	1							S
93210	6.205	0.004	6.388	0.004		−0.168	0.007	G	−0.17	0.01	H	6.3695	0.0018	0.014	108		6.35	6.39	1.58	P 1 A			1							S
93211	7.587	0.008	7.394	0.009		0.185	0.011	T	0.20	0.01	L	7.4221	0.0012	0.010	69		7.39	7.44					1							S
93212	7.587	0.008	7.535	0.008		0.070	0.015	G	0.08	0.02	H	7.5384	0.0017	0.012	67		7.52	7.56					1							S
93213	8.760	0.025	8.619	0.030	*	0.136	0.037	T	0.15	0.04	L *	8.5984	0.0018	0.015	67	*	8.58	8.62		D	18592−2114	I 1	2 C A	AC	150	0.326	0.018	2.18	0.14	
93214	7.760	0.007	7.466	0.008		0.282	0.015	G	0.32	0.02	H	7.5208	0.0022	0.016	119		7.50	7.55	0.11	P 1 A			1							S
93215	9.143	0.019	8.989	0.023		0.153	0.015	G	0.17	0.01	H	9.0237	0.0037	0.035	59		8.99	9.09		U 2			1							
93216	10.214	0.040	8.375	0.016		1.530	0.034	T	1.57	0.07	L	8.3587	0.0016	0.017	74		8.34	8.39		C			1							
93217											T	10.6939	0.0039	0.034	79		10.62	10.75		C			1 S							G
93218	7.004	0.006	6.777	0.007		0.211	0.009	T	0.23	0.01	L	6.8139	0.0015	0.008	65		6.80	6.83		C			1							S
93219	9.115	0.014	8.527	0.013		0.549	0.017	T	0.62	0.02	L	8.5859	0.0024	0.017	100		8.55	8.61					1							
93220	10.023	0.029	8.414	0.014		1.348	0.025	T	1.31	0.03	L	8.3808	0.0018	0.012	77		8.36	8.41					1							
93221	10.000	0.023	8.816	0.015		1.015	0.021	T	0.99	0.02	L	8.8820	0.0020	0.019	105		8.85	8.93		C			1							
93222	9.859	0.020	8.013	0.009		1.567	0.018	T	2.35	0.04	O	7.8327	0.0030	0.034	125		7.78	7.88		U 2			1 S							
93223	10.341	0.035	9.932	0.038		0.404	0.020	G	0.47	0.02	H	10.0153	0.0032	0.027	80		9.97	10.06		C			1							G
93224	8.635	0.013	6.771	0.006		1.582	0.012	T	2.68	0.02	O	6.5026	0.0035	0.028	71		6.47	6.54		U 2			1 S							S
93225	5.467	0.003	5.512	0.003	*	−0.038	0.003	T	−0.02	0.00	L *	5.5051	0.0010	0.009	79	*	5.50	5.52		M	18594−1250	I 1	2 C S A	AB	344	0.100	0.005	0.66	0.34	S
93226	9.209	0.016	8.554	0.014		0.569	0.015	G	0.64	0.01	H	8.6484	0.0018	0.019	87		8.62	8.68		C			1							
93227	8.964	0.017	8.617	0.018		0.318	0.015	G	0.37	0.02	H	8.6830	0.0021	0.016	73		8.66	8.72		M			1							
93228	9.428	0.021	8.239	0.014		1.018	0.020	T	0.99	0.02	L	8.2665	0.0013	0.012	109		8.25	8.29					1							
93229	9.218	0.016	8.650	0.015		0.517	0.015	G	0.59	0.02	H	8.7069	0.0014	0.019	92		8.68	8.75		C			1							
93230	9.068	0.015	9.027	0.019		0.082	0.033	G	0.09	0.04	H	9.0242	0.0024	0.020	96		8.99	9.06		C			1							
93231	7.460	0.007	7.528	0.010		−0.060	0.015	G	−0.04	0.01	H	7.5303	0.0013	0.011	115		7.51	7.55					1							S
93232	10.192	0.043	8.744	0.022		1.221	0.038	T	1.18	0.04	L	8.7646	0.0017	0.016	73		8.74	8.79		C			1							
93233	8.370	0.008	6.847	0.004		1.280	0.007	T	1.24	0.01	L	6.8599	0.0010	0.011	162		6.84	6.88					1							S
93234	7.604	0.009	6.487	0.006		0.962	0.008	T	0.95	0.01	L	6.5310	0.0010	0.007	72		6.52	6.54		C			1							S
93235	9.638	0.025	9.498	0.032		0.135	0.038	T	0.15	0.04	L	9.4922	0.0024	0.021	80		9.45	9.53		C			1							
93236	9.586	0.017	8.207	0.010		1.167	0.015	T	1.13	0.01	L	8.2784	0.0013	0.012	116		8.26	8.30			18595+4344	I 1	1							
93237	9.061	0.013	7.990	0.009		0.920	0.015	G	0.92	0.01	H	8.0462	0.0014	0.011	120		8.03	8.07		C			1							
93238	6.821	0.003	6.520	0.003		0.305	0.001	G	0.35	0.00	H	6.5630	0.0007	0.009	274		6.55	6.58		C			1							S
93239	9.896	0.026	8.232	0.013		1.391	0.023	T	1.36	0.03	L	8.2009	0.0019	0.016	77		8.18	8.23					1							
93240	8.970	0.012	8.759	0.014		0.202	0.017	T	0.22	0.02	L	8.7752	0.0018	0.016	102		8.75	8.81		C			1							
93241	8.586	0.011	8.275	0.012	A	0.200	0.495	G	0.32	0.04	L *	8.3025	0.0016	0.013	97	*	8.27	8.32		D	18596+6301	I 1	2 C B	AB	46	3.751	0.045	3.54	0.18	S
93242	9.760	0.032	8.120	0.016		1.372	0.028	T	1.34	0.03	L	8.1227	0.0020	0.013	61		8.10	8.14		C	18596−2150	I 1	1 S							
93243	7.479	0.006	7.494	0.009		−0.010	0.015	G	0.01	0.01	H	7.5104	0.0011	0.010	100		7.49	7.53					1							S
93244	5.392	0.004	4.138	0.003		1.082	0.005	G	1.00	0.03	C	4.1840	0.0010	0.006	60		4.17	4.19			18596+1503	I 1	1 O							S
93245	7.553	0.007	7.426	0.007		0.145	0.015	G	0.16	0.01	H	7.4587	0.0015	0.011	94		7.44	7.48					1							S
93246	8.531	0.013	8.370	0.015		0.155	0.019	T	0.17	0.02	L	8.4137	0.0017	0.016	87		8.38	8.45					1							S
93247	9.071	0.011	8.998	0.014		0.072	0.017	T	0.08	0.02	L	9.0274	0.0020	0.022	161		8.99	9.07					1							S
93248						1.365	0.020	G	1.60	0.04	I	10.9440	0.0050	0.033	64		10.89	10.99					1							G
93249	9.344	0.019	8.121	0.012		1.045	0.018	T	1.02	0.01	L	8.1882	0.0014	0.011	78		8.17	8.20		C			1							
93250	7.697	0.007	7.707	0.010		−0.025	0.002	G	0.00	0.00	H	7.7251	0.0012	0.011	106		7.71	7.75					1							S
93251	10.283	0.036	8.774	0.018		1.269	0.032	T	1.23	0.03	L	8.7807	0.0020	0.018	63		8.76	8.81					1							
93252	7.622	0.006	7.126	0.005		0.508	0.004	G	0.58	0.00	H	7.1740	0.0010	0.009	139		7.16	7.19		C			1							S
93253	7.850	0.008	7.557	0.008		0.320	0.001	G	0.37	0.00	H	7.5983	0.0011	0.011	117		7.58	7.62		C			1							S
93254	9.358	0.018	8.851	0.018		0.491	0.005	G	0.56	0.01	H	8.8784	0.0016	0.014	63		8.86	8.91		C			1							
93255	9.315	0.019	8.188	0.013		0.960	0.015	G	0.95	0.01	H	8.2567	0.0013	0.013	71		8.24	8.28		D			1							
93256	6.856	0.003	5.399	0.002		1.228	0.003	T	1.19	0.00	L	5.4230	0.0006	0.007	196		5.41	5.43		M			1							S
93257	10.215	0.027	9.596	0.024		0.573	0.027	T	0.65	0.03	L	9.6403	0.0021	0.021	102		9.61	9.68					1							
93258	9.690	0.024	8.317	0.014		1.162	0.022	T	1.12	0.02	L	8.3315	0.0026	0.013	74		8.31	8.36		C			1							
93259	8.230	0.012	7.762	0.010		0.463	0.004	G	0.53	0.00	H	7.8202	0.0057	0.036	73		7.78	7.87	0.16	P 1 A			1							S
93260	8.408	0.009	7.331	0.006		0.932	0.008	T	0.93	0.01	L	7.3891	0.0013	0.010	74		7.37	7.41		C			1							S
93261	11.282	0.088	10.332	0.062		0.799	0.004	G	0.84	0.00	H	10.3471	0.0064	0.030	67		10.29	10.39					1 G							G
93262	8.873	0.014	7.699	0.009		1.007	0.013	T	0.98	0.01	L	7.7452	0.0013	0.013	80		7.72	7.77		C			1							S
93263	11.065	0.053	9.237	0.018		1.521	0.044	T	1.56	0.07	L	9.2733	0.0021	0.023	111		9.23	9.31					1							
93264	8.500	0.013	8.479	0.017		0.028	0.015	G	0.04	0.01	H	8.4848	0.0024	0.016	67		8.46	8.51		C			1							
93265	10.391	0.038	9.286	0.025		0.953	0.035	T	0.94	0.03	L	9.3476	0.0023	0.018	76		9.31	9.37		C			1							
93266	7.436	0.006	7.120	0.007		0.300	0.009	T	0.34	0.01	L	7.1664	0.0009	0.010	119		7.15	7.18		C			1							S
93267	8.454	0.010	8.361	0.012		0.084	0.014	T	0.10	0.01	L	8.3758	0.0018	0.018	89		8.35	8.42					1							
93268	9.302	0.022	9.179	0.027	B	0.119	0.033	T	0.13	0.03	L	9.3183	0.0620			B				D	19000+1253	I 2	1 C I A							
93269	10.031	0.029	9.204	0.023		0.690	0.020	G	0.75	0.02	H	9.3182	0.0017	0.017	100		9.28	9.35		D			1							
93270	8.497	0.010	6.524	0.005		1.672	0.009	T	2.63	0.02	O	6.2729	0.0028	0.034	149		6.21	6.32		U 2			1 S							S
93271	8.028	0.006	7.972	0.007	*	0.051	0.008	T	0.06	0.01	L *	7.9777	0.0013	0.016	218	*	7.95	8.01			19000−7132	H 1	2 C A	AB	238	0.822	0.016	3.27	0.05	S
93272	6.747	0.003	6.793	0.003		−0.037	0.004	T	−0.01	0.00	L	6.7926	0.0014	0.016	214		6.77	6.82	0.57	P 1 A			1							S
93273	9.485	0.022	7.426	0.009	A	1.633	0.015	G	2.48	0.13	O	7.3791	0.0154	0.062	63	A	7.31	7.47		D	19000+1253	I 2	1 C P A							S
93274	7.524	0.006	7.439	0.008		0.083	0.009	T	0.10	0.01	L	7.4624	0.0011	0.008	79		7.45	7.48		C			1							
93275	6.702	0.004	6.780	0.004		−0.066	0.005	T	−0.04	0.01	L	6.7812	0.0014	0.014	179		6.76	6.80	1.20	P 1 A			1							S
93276	9.889	0.019	9.275	0.017		0.569	0.019	T	0.64	0.02	L	9.3443	0.0028	0.025	118		9.30	9.38					1							

Notes

68527 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 210\overset{\circ}{.}434\,946\,40$ (2.90), $\delta = 8\overset{\circ}{.}923\,328\,71$ (1.59), $\pi = 7.90$ (3.16), $\mu_\alpha = 155.77$ (2.91), $\mu_\delta = -747.25$ (1.72), with F1 = 6 and F2 = −1.64, and processed as single star.

68588 Missed target.
No acceptable astrometric solution obtained.

68717 Triple system with a single catalogue entry, HIP 68717. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 68717 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

68820 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

69062 Triple system with a single catalogue entry, HIP 69062. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 69062 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

69192 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
This entry may correspond to the Tycho Catalogue entry TYC 7815-2739-1 at $\alpha = 212\overset{\circ}{.}478\,652$, $\delta = -44\overset{\circ}{.}280\,924$.

69399 Triple system with two catalogue entries, HIP 69399 and HIP 69401. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 69399 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.
The position in Fields H8–9 is for the photocentre of components A+B.

69401 Triple system with two catalogue entries, HIP 69399 and HIP 69401. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 69401 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

69577 Triple system with two catalogue entries, HIP 69577 and HIP 69579. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 69577 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

69579 Triple system with two catalogue entries, HIP 69577 and HIP 69579. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 69579 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

69684 Triple system with a single catalogue entry, HIP 69684. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 69684 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

69782 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
Investigations carried out after the main catalogue was finalised led to a probable solution for this entry (standard errors in parentheses): $\alpha = 214\overset{\circ}{.}243\,072\,71$ (3.84), $\delta = 24\overset{\circ}{.}192\,818\,70$ (3.84), $\pi = 2.12$ (5.05), $\mu_\alpha = -7.30$ (4.04), $\mu_\delta = -6.74$ (4.43). Astrometric parameters refer to the primary component with F1 = 0 and F2 = 1.47, and double star parameters: $\theta = 159.5$, $\varrho = 2.063$ (0.004), $\Delta Hp = 0.26$ (0.01).
This entry may correspond to the Tycho Catalogue entries TYC 2007-498-1 at $\alpha = 214\overset{\circ}{.}243\,366$, $\delta = +24\overset{\circ}{.}192\,318$ and TYC 2007-498-2 at $\alpha = 214\overset{\circ}{.}243\,084$, $\delta = +24\overset{\circ}{.}192\,817$.

69889 Inconsistency with the Hipparcos Input Catalogue: the proper motion of LTT 5621 is smaller than given in NLTT.

69894 P Quadruple system with a single catalogue entry, HIP 69894. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 69894 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

70079 P Incorrectly identified with CW Lup in the Hipparcos Input Catalogue.

70231 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 215\overset{\circ}{.}524\,982\,97$ (1.77), $\delta = -29\overset{\circ}{.}925\,701\,15$ (1.47), $\pi = 2.37$ (2.49), $\mu_\alpha = -5.32$ (2.32), $\mu_\delta = 8.81$ (2.03), with F1 = 11 and F2 = 0.14, and processed as single star.

70417 Inconsistency with the Hipparcos Input Catalogue: not the proper-motion star L 548-78.

70741 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 216\overset{\circ}{.}998\,555\,44$ (1.27), $\delta = -1\overset{\circ}{.}768\,981\,81$ (1.01), $\pi = 3.57$ (1.64), $\mu_\alpha = 38.43$ (1.70), $\mu_\delta = -40.15$ (1.09), with F1 = 5 and F2 = −1.66, and processed as single star.

70878 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

70958 Missed target. HIP 70956 = LHS 374 has no physically associated companion. The proper-motion of CCDM 14308−0839 is not correct.
No acceptable astrometric solution obtained.

71109 Triple system with a single catalogue entry, HIP 71109. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 71109 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

71228 Solution was rejected because it gives a parallax of −114 mas with a standard error of 16 mas.

71500 Triple system with two catalogue entries, HIP 71500 and HIP 71502. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 71500 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.
The position in Fields H8–9 is for the photocentre of components A+B.

71502 Triple system with two catalogue entries, HIP 71500 and HIP 71502. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 71502 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

71898 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 220^\circ.591\,723\,29$ (1.29), $\delta = 66^\circ.055\,879\,78$ (1.57), $\pi = 92.62$ (1.52), $\mu_\alpha = -302.09$ (1.58), $\mu_\delta = -33.35$ (1.86), with F1 = 2 and F2 = 0.72, and processed as single star.

72300 P Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 221^\circ.774\,128\,66$ (1.57), $\delta = 39^\circ.317\,099\,34$ (1.45), $\pi = 1.87$ (2.18), $\mu_\alpha = -6.65$ (1.93), $\mu_\delta = -0.96$ (2.06), with F1 = 0 and F2 = 0.45, and processed as single star.

72509 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 222^\circ.384\,365\,71$ (5.01), $\delta = -26^\circ.108\,580\,75$ (3.59), $\pi = 45.59$ (5.53), $\mu_\alpha = -1202.63$ (6.32), $\mu_\delta = -182.10$ (4.58), with F1 = 0 and F2 = −0.92, and processed as single star.

72511 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 222^\circ.391\,813\,22$ (3.09), $\delta = -26^\circ.105\,330\,09$ (2.30), $\pi = 45.46$ (3.51), $\mu_\alpha = -1202.41$ (3.74), $\mu_\delta = -186.44$ (2.87), with F1 = 0 and F2 = 0.28, and processed as single star.

72585 Triple system with two catalogue entries, HIP 72585 and HIP 72589. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 72585 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

72588 Position found in stochastic solution coincides with that of HIP 72583.

72589 Triple system with two catalogue entries, HIP 72585 and HIP 72589. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 72589 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

72860 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

73391 Extended source (planetary nebula PK 321+03)

73533 P No astrometric solution obtained.

73876 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 226^\circ.487\,534\,73$ (3.06), $\delta = 7^\circ.813\,231\,81$ (2.67), $\pi = 0.64$ (3.60), $\mu_\alpha = 2.06$ (5.44), $\mu_\delta = -3.92$ (3.63), with F1 = 0 and F2 = 0.68, and processed as single star.

74116 Triple system with a single catalogue entry, HIP 74116. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 74116 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

74270 Inconsistency with the Hipparcos Input Catalogue: the proper-motion star LP 272-064 is possibly BD +35 2656, 1.5 arcmin at S.

74376 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 227^\circ.983\,992\,54$ (0.67), $\delta = -48^\circ.737\,703\,61$ (0.59), $\pi = 18.16$ (0.83), $\mu_\alpha = -96.39$ (0.75), $\mu_\delta = -49.01$ (0.79), with F1 = 0 and F2 = 1.74, and processed as single star.

74660 Triple system with a single catalogue entry, HIP 74660. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 74660 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

74911 Triple system with two catalogue entries, HIP 74911 and HIP 74915. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 74911 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

74915 Triple system with two catalogue entries, HIP 74911 and HIP 74915. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 74915 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

74926 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 229\overset{\circ}{.}663\,628\,76$ (2.10), $\delta = -18\overset{\circ}{.}625\,723\,74$ (1.43), $\pi = 39.84$ (2.35), $\mu_\alpha = 450.78$ (3.01), $\mu_\delta = -353.98$ (2.18), with F1 = 0 and F2 = 3.71, and processed as single star.

75190 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 230\overset{\circ}{.}479\,447\,94$ (2.05), $\delta = 28\overset{\circ}{.}115\,739\,68$ (1.90), $\pi = 11.97$ (2.87), $\mu_\alpha = -78.17$ (2.41), $\mu_\delta = -416.41$ (2.50), with F1 = 0 and F2 = 1.17, and processed as single star.

75427 Triple system with a single catalogue entry, HIP 75427. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 75427 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.
The position in Fields H8–9 is for the photocentre of components A+B.

75516 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 231\overset{\circ}{.}408\,809\,72$ (2.84), $\delta = 8\overset{\circ}{.}666\,293\,83$ (1.57), $\pi = 7.80$ (3.30), $\mu_\alpha = 23.89$ (3.04), $\mu_\delta = -17.32$ (2.07), with F1 = 8 and F2 = −0.41, and processed as single star.

75775 Inconsistency with the Hipparcos Input Catalogue: probably not the proper-motion star L 72-43.

75790 Triple system with a single catalogue entry, HIP 75790. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 75790 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

75797 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 232\overset{\circ}{.}271\,355\,15$ (1.29), $\delta = 14\overset{\circ}{.}947\,234\,68$ (1.27), $\pi = 17.04$ (1.73), $\mu_\alpha = -259.83$ (1.39), $\mu_\delta = 32.75$ (1.61), with F1 = 3 and F2 = 0.41, and processed as single star.

75839 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 232\overset{\circ}{.}382\,488\,00$ (2.11), $\delta = 6\overset{\circ}{.}148\,162\,55$ (1.45), $\pi = 16.15$ (2.39), $\mu_\alpha = -200.75$ (2.65), $\mu_\delta = -403.12$ (2.01), with F1 = 7 and F2 = −2.73, and processed as single star.

75854 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 232\overset{\circ}{.}409\,198\,32$ (1.85), $\delta = -26\overset{\circ}{.}688\,661\,12$ (0.95), $\pi = 12.24$ (2.11), $\mu_\alpha = -38.26$ (1.94), $\mu_\delta = -41.02$ (1.45), with F1 = 0 and F2 = 0.94, and processed as single star.

75865 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
This entry may correspond to the Tycho Catalogue entry TYC 9034-3742-1 at $\alpha = 232\overset{\circ}{.}451\,584$, $\delta = -67\overset{\circ}{.}487\,579$.

75901 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
Investigations carried out after the main catalogue was finalised led to a probable solution for this entry (standard errors in parentheses): $\alpha = 232\overset{\circ}{.}546\,605\,17$ (1.90), $\delta = -59\overset{\circ}{.}754\,327\,20$ (1.53), $\pi = 14.44$ (2.52), $\mu_\alpha = -147.12$ (2.14), $\mu_\delta = -192.08$ (2.16). Astrometric parameters refer to the photocentre with F1 = 22 and F2 = 1.51, and double star parameters: $\theta = 186.8$, $\varrho = 0.187$ (0.026), $\Delta Hp = 0.81$ (0.26).
This entry may correspond to the Tycho Catalogue entry TYC 8707-1328-1 at $\alpha = 232\overset{\circ}{.}546\,587$, $\delta = -59\overset{\circ}{.}754\,334$.

75907 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 232\overset{\circ}{.}568\,681\,79$ (1.73), $\delta = -24\overset{\circ}{.}238\,209\,05$ (0.87), $\pi = 0.76$ (1.84), $\mu_\alpha = -8.56$ (2.05), $\mu_\delta = -6.41$ (1.63), with F1 = 0 and F2 = 0.25, and processed as single star.

76059 P Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

76143 Triple system with a single catalogue entry, HIP 76143. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 76143 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

76316 Missed target. GL 589A is not at given position.
Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

76342 Inconsistency with the Hipparcos Input Catalogue: the large proper motion of LP 99-400 is not confirmed.

76462 Missed target. HD 139119 is 1.2 arcmin E of the given position.
Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

76563 Triple system with two catalogue entries, HIP 76563 and HIP 76566. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 76563 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

76566 Triple system with two catalogue entries, HIP 76563 and HIP 76566. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 76566 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

76640 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
Investigations carried out after the main catalogue was finalised led to a probable solution for this entry (standard errors in parentheses): $\alpha = 234\overset{\circ}{.}749\,178\,45$ (4.03), $\delta = -28\overset{\circ}{.}593\,172\,01$ (2.55), $\pi = 8.62$ (4.48), $\mu_\alpha = -237.97$ (4.27), $\mu_\delta = -180.07$ (4.02), with F1 = 0 and F2 = 1.67, and processed as single star.

76889 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 235\overset{\circ}{.}501\,279\,46$ (2.44), $\delta = 13\overset{\circ}{.}037\,760\,86$ (1.49), $\pi = 17.50$ (3.09), $\mu_\alpha = 80.38$ (3.02), $\mu_\delta = -171.98$ (3.24), with F1 = 5 and F2 = 0.48, and processed as single star.

76901 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 235\overset{\circ}{.}532\,423\,60$ (5.13), $\delta = -19\overset{\circ}{.}469\,237\,85$ (3.39), $\pi = 96.78$ (5.90), $\mu_\alpha = -2010.50$ (7.46), $\mu_\delta = -1031.95$ (4.40), with F1 = 0 and F2 = −0.81, and processed as single star.

77259 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 236\overset{\circ}{.}613\,094\,57$ (1.21), $\delta = 17\overset{\circ}{.}533\,150\,01$ (1.23), $\pi = 7.54$ (1.54), $\mu_\alpha = -3.22$ (1.29), $\mu_\delta = -3.08$ (1.71), with F1 = 3 and F2 = 2.17, and processed as single star.

77543 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 237\overset{\circ}{.}494\,377\,69$ (2.20), $\delta = -21\overset{\circ}{.}580\,285\,71$ (1.16), $\pi = 12.76$ (2.46), $\mu_\alpha = 114.91$ (2.74), $\mu_\delta = -47.01$ (1.90), with F1 = 0 and F2 = −1.35, and processed as single star.

77665 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 237\overset{\circ}{.}830\,319\,24$ (1.80), $\delta = -30\overset{\circ}{.}601\,581\,55$ (1.05), $\pi = 7.80$ (2.09), $\mu_\alpha = -28.52$ (2.47), $\mu_\delta = -33.68$ (1.45), with F1 = 0 and F2 = 0.95, and processed as single star.

77737 Inconsistency with the Hipparcos Input Catalogue: BD −10 4182 is not the proper-motion star G 152-60, located 42 arcsec at NW.

77908 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 238\overset{\circ}{.}660\,743\,41$ (1.60), $\delta = -26\overset{\circ}{.}004\,425\,83$ (0.88), $\pi = 42.07$ (1.96), $\mu_\alpha = -227.94$ (1.70), $\mu_\delta = 101.51$ (1.53), with F1 = 0 and F2 = 2.09, and processed as single star.

78394 Triple system with a single catalogue entry, HIP 78394. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 78394 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

78411 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

78528 Inconsistency with the Hipparcos Input Catalogue: not the proper-motion star L 548-78, LP 553-44, CoD −33 10873 located 46 arcsec at E.
Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

78696 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 240\overset{\circ}{.}971\,879\,03$ (2.34), $\delta = -27\overset{\circ}{.}675\,156\,19$ (1.55), $\pi = 2.37$ (3.32), $\mu_\alpha = -159.32$ (2.82), $\mu_\delta = -82.97$ (2.77), with F1 = 4 and F2 = 0.88, and processed as single star.

78727 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
This entry may correspond to the Tycho Catalogue entry TYC 5619-1257-1 at $\alpha = 241\overset{\circ}{.}092\,403$, $\delta = -11\overset{\circ}{.}373\,022$.

78786 Identification error. HD 144239 is the brighter star with $V = 9.94$, 34 arcsec NW. Variability probably spurious.

78808 Triple system with a single catalogue entry, HIP 78808. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 78808 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

78842 Triple system with a single catalogue entry, HIP 78842. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 78842 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

78979 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 241\overset{\circ}{.}832\,414\,97$ (1.63), $\delta = -30\overset{\circ}{.}415\,517\,19$ (1.04), $\pi = 15.92$ (1.97), $\mu_\alpha = -241.78$ (2.14), $\mu_\delta = -87.32$ (1.48), with F1 = 0 and F2 = −1.03, and processed as single star.

79394 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 243\overset{\circ}{.}049\,470\,48$ (2.94), $\delta = 5\overset{\circ}{.}492\,928\,16$ (2.45), $\pi = 8.00$ (3.68), $\mu_\alpha = -359.00$ (3.90), $\mu_\delta = -629.76$ (4.29), with F1 = 4 and F2 = −0.15, and processed as single star.

79438 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 243\overset{\circ}{.}181\,674\,91$ (0.82), $\delta = 68\overset{\circ}{.}881\,717\,03$ (0.88), $\pi = 0.43$ (0.92), $\mu_\alpha = 10.22$ (0.96), $\mu_\delta = -12.60$ (1.16), with F1 = 3 and F2 = 1.20, and processed as single star.

79592 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
This entry may correspond to the Tycho Catalogue entry TYC 5617-1487-1 at $\alpha = 243\overset{\circ}{.}571\,737$, $\delta = -10\overset{\circ}{.}419\,962$.

79699 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 243\overset{\circ}{.}982\,525\,46$ (2.32), $\delta = 11\overset{\circ}{.}420\,138\,64$ (1.78), $\pi = 0.53$ (2.97), $\mu_\alpha = 1.22$ (3.26), $\mu_\delta = -3.56$ (2.60), with F1 = 6 and F2 = −1.54, and processed as single star.

79700 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 243\overset{\circ}{.}985\,515\,48$ (2.95), $\delta = 42\overset{\circ}{.}402\,531\,31$ (3.09), $\pi = 16.34$ (3.70), $\mu_\alpha = -72.25$ (3.45), $\mu_\delta = -223.72$ (3.61). Astrometric parameters refer to the photocentre with F1 = 4 and F2 = −1.34, and double star parameters: $\theta = 233.5$, $\varrho = 0.238$ (0.016), $\Delta Hp = 0.28$ (0.11).

79729 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

79844 Inconsistency with the Hipparcos Input Catalogue: not the proper-motion star L 482-55, CoD −39 10385 located 3 arcmin at N.

79871 Inconsistency with the Hipparcos Input Catalogue: the proper motion of LTT 6495 is smaller than given in NLTT.

79936 Triple system with a single catalogue entry, HIP 79936. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 79936 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

80214 This star is now in the CCDM as 16224+3345 B. (J. Dommanget, O. Nys, Bull. Inf. CDS 46, 13, 1995)

80468 P Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 246\overset{\circ}{.}371\,911\,70$ (2.81), $\delta = 43\overset{\circ}{.}729\,974\,66$ (2.73), $\pi = 9.70$ (3.28), $\mu_\alpha = -120.31$ (3.59), $\mu_\delta = 135.42$ (3.60), with F1 = 2 and F2 = −0.88, and processed as single star.

80579 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
This entry may correspond to the Tycho Catalogue entry TYC 8316-4440-1 at $\alpha = 246\overset{\circ}{.}791\,978$, $\delta = -47\overset{\circ}{.}549\,029$.

80625 Triple system with a single catalogue entry, HIP 80625. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 80625 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

80630 No acceptable astrometric solution obtained.

80764 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 247\overset{\circ}{.}354\,280\,21$ (3.87), $\delta = -63\overset{\circ}{.}541\,071\,61$ (3.85), $\pi = 3.75$ (5.13), $\mu_\alpha = 8.36$ (4.92), $\mu_\delta = -41.65$ (5.93). Astrometric parameters refer to the primary component with F1 = 0 and F2 = 2.30, and double star parameters: $\theta = 192.3$, $\varrho = 4.264$ (0.007), $\Delta Hp = 0.89$ (0.01).

80796 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

80880 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

81019 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 248\overset{\circ}{.}191\,564\,38$ (1.79), $\delta = 26\overset{\circ}{.}882\,912\,06$ (2.73), $\pi = 6.62$ (3.65), $\mu_\alpha = 0.47$ (2.21), $\mu_\delta = 13.26$ (4.00). Astrometric parameters refer to the photocentre with F1 = 2 and F2 = 2.94, and double star parameters: $\theta = 298.1$, $\varrho = 0.270$ (0.026), $\Delta Hp = 1.06$ (0.08).

81140 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 248\overset{\circ}{.}578\,639\,04$ (2.65), $\delta = -29\overset{\circ}{.}175\,261\,94$ (1.78), $\pi = 9.68$ (2.90), $\mu_\alpha = -165.98$ (3.28), $\mu_\delta = -194.40$ (2.14), with F1 = 4 and F2 = 0.66, and processed as single star.

81402 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
This entry may correspond to the Tycho Catalogue entry TYC 5057-1104-1 at $\alpha = 249\overset{\circ}{.}385\,078$, $\delta = -5\overset{\circ}{.}503\,221$.

81538 Error in Hipparcos Input Catalogue position: target is 25 arcsec from BD +52 1986 ($\alpha = 250\overset{\circ}{.}057\,83$, $\delta = +52\overset{\circ}{.}627\,14$).
Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

81619 Triple system with a single catalogue entry, HIP 81619. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 81619 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.
The position in Fields H8–9 is for the photocentre of components A+B.

81694 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
This entry may correspond to the Tycho Catalogue entry TYC 2582-1818-1 at α = 250°.323 764, δ = +30°.109 770.

81836 Triple system with a single catalogue entry, HIP 81836. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 81836 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

82021 Inaccurate coordinates. The star is about 19 arcsec SW of the given position. Microvariability spurious.
Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

82132 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): α = 251°.688 316 15 (2.06), δ = −30°.632 672 02 (1.78), π = 38.50 (2.46), μ_α = −105.94 (2.36), μ_δ = −157.93 (1.89), with F1 = 0 and F2 = 0.17, and processed as single star.

82152 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): α = 251°.748 811 34 (2.48), δ = −2°.486 872 82 (1.66), π = 3.75 (2.30), μ_α = −8.93 (2.89), μ_δ = −7.80 (1.99), with F1 = 0 and F2 = 1.70, and processed as single star.

82899 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

82904 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

82936 DP Triple system with a single catalogue entry, HIP 82936. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 82936 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

83038 Triple system with two catalogue entries, HIP 83038 and HIP 83042. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 83038 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

83042 D Triple system with two catalogue entries, HIP 83038 and HIP 83042. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 83042 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

83147 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): α = 254°.888 260 87 (2.08), δ = −26°.267 187 53 (1.69), π = 37.30 (2.26), μ_α = 127.44 (3.46), μ_δ = −289.47 (2.30), with F1 = 6 and F2 = 0.95, and processed as single star.

83155 Triple system with a single catalogue entry, HIP 83155. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 83155 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.
The position in Fields H8–9 is for the photocentre of components A+B.

83369 D Triple system with two catalogue entries, HIP 83369 and HIP 83371. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 83369 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

83371 Triple system with two catalogue entries, HIP 83369 and HIP 83371. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 83371 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

83405 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): α = 255°.706 916 11 (2.13), δ = −6°.068 199 35 (1.28), π = 54.09 (2.52), μ_α = −127.87 (2.47), μ_δ = −82.90 (1.61), with F1 = 4 and F2 = −1.25, and processed as single star.

83515 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): α = 256°.020 979 37 (3.23), δ = 4°.784 359 97 (2.05), π = 5.67 (3.64), μ_α = −154.34 (3.71), μ_δ = 22.55 (2.42), with F1 = 10 and F2 = 0.77, and processed as single star.

83599 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): α = 256°.309 653 45 (1.64), δ = −5°.091 483 03 (1.06), π = 93.94 (1.84), μ_α = −919.23 (2.14), μ_δ = −1128.86 (1.30), with F1 = 0 and F2 = −0.30, and processed as single star.

83760 Inconsistency with the Hipparcos Input Catalogue: not a high-proper-motion star or not LTT 6828.

83945 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): α = 257°.380 309 98 (1.95), δ = 43°.682 025 82 (2.14), π = 133.82 (2.31), μ_α = 332.31 (2.49), μ_δ = −278.91 (2.64), with F1 = 5 and F2 = −1.09, and processed as single star.

84100 Triple system with two catalogue entries, HIP 84100 and HIP 84102. The Hp magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 84100 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

84102 Triple system with two catalogue entries, HIP 84100 and HIP 84102. The Hp magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 84102 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

84228 Triple system with a single catalogue entry, HIP 84228. The Hp magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 84228 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

84484 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 259\overset{\circ}{.}076\,303\,89$ (2.31), $\delta = -3\overset{\circ}{.}610\,846\,61$ (1.71), $\pi = 1.70$ (2.93), $\mu_\alpha = 0.83$ (3.24), $\mu_\delta = -12.85$ (2.14). Astrometric parameters refer to the photocentre with F1 = 0 and F2 = −0.63, and double star parameters: $\theta = 187.0$, $\varrho = 0.170$ (0.023), $\Delta Hp = 0.98$ (0.30).

84517 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 259\overset{\circ}{.}163\,046\,19$ (3.32), $\delta = 3\overset{\circ}{.}402\,596\,07$ (2.25), $\pi = -6.66$ (3.71), $\mu_\alpha = -0.89$ (4.44), $\mu_\delta = -1.15$ (2.36). Astrometric parameters refer to the photocentre with F1 = 0 and F2 = 1.75, and double star parameters: $\theta = 357.7$, $\varrho = 0.260$ (0.015), $\Delta Hp = 0.61$ (0.12).

84752 Inconsistency with the Hipparcos Input Catalogue: the proper-motion star Wolf 688, McC 60 is probably the brighter object 32 arcsec at E.

84915 P Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
Investigations carried out after the main catalogue was finalised led to a probable solution for this entry (standard errors in parentheses): $\alpha = 260\overset{\circ}{.}296\,906\,86$ (1.86), $\delta = 73\overset{\circ}{.}485\,305\,45$ (1.65), $\pi = 11.10$ (1.76), $\mu_\alpha = -38.93$ (2.22), $\mu_\delta = 170.13$ (2.16), with F1 = 6 and F2 = 3.19, and processed as single star.

85151 Triple system with a single catalogue entry, HIP 85151. The Hp magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 85151 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

85455 Triple system with a single catalogue entry, HIP 85455. The Hp magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 85455 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

85778 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
This entry may correspond to the Tycho Catalogue entry TYC 2605-2035-1 at $\alpha = 262\overset{\circ}{.}921\,357$, $\delta = +30\overset{\circ}{.}325\,245$.

85900 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 263\overset{\circ}{.}304\,558\,73$ (2.88), $\delta = -77\overset{\circ}{.}576\,145\,30$ (3.20), $\pi = -1.08$ (4.18), $\mu_\alpha = -10.24$ (3.13), $\mu_\delta = -1.47$ (4.09), with F1 = 2 and F2 = 0.89, and processed as single star.

86087 This star is now in the CCDM as 17351+6152 C. (J. Dommanget, O. Nys, Bull. Inf. CDS 46, 13, 1995)

86221 Triple system with a single catalogue entry, HIP 86221. The Hp magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 86221 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.
The position in Fields H8–9 is for the photocentre of components A+B.

86257 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

86261 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

86405 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

86897 Inconsistency with the Hipparcos Input Catalogue: the large proper motion of L 919-1 is not confirmed.

87015 Inconsistency with the Hipparcos Input Catalogue: not the proper-motion star L 43-31, LTT 7046.

87097 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 266\overset{\circ}{.}937\,515\,13$ (1.37), $\delta = 12\overset{\circ}{.}168\,298\,05$ (1.24), $\pi = 6.72$ (1.69), $\mu_\alpha = -4.37$ (1.43), $\mu_\delta = -96.68$ (1.35), with F1 = 6 and F2 = 1.02, and processed as single star.

87122 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
This entry may correspond to the Tycho Catalogue entry TYC 6828-1210-1 at $\alpha = 267\overset{\circ}{.}002\,758$, $\delta = -22\overset{\circ}{.}674\,336$.

87343 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

87453 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 268\overset{\circ}{.}038\,390\,80$ (5.20), $\delta = -24\overset{\circ}{.}666\,666\,02$ (3.37), $\pi = -4.49$ (5.57), $\mu_\alpha = 7.38$ (7.31), $\mu_\delta = -18.17$ (4.38), with F1 = 5 and F2 = −1.91, and processed as single star.

87788 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 268^\circ.993\,576\,79$ (2.80), $\delta = -16^\circ.407\,569\,31$ (1.87), $\pi = 9.95$ (3.16), $\mu_\alpha = 9.89$ (3.19), $\mu_\delta = -626.69$ (2.08), with F1 = 4 and F2 = 1.11, and processed as single star.

87816 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
This entry may correspond to the Tycho Catalogue entry TYC 3914-514-1 at $\alpha = 269^\circ.092\,292$, $\delta = +58^\circ.214\,642$.

88330 Triple system with two catalogue entries, HIP 88330 and HIP 88333. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 88330 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

88333 P Triple system with two catalogue entries, HIP 88330 and HIP 88333. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 88333 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

88375 Triple system with a single catalogue entry, HIP 88375. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 88375 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

88444 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

88629 Triple system with a single catalogue entry, HIP 88629. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 88629 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

88639 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
This entry may correspond to the Tycho Catalogue entry TYC 1566-3678-1 at $\alpha = 271^\circ.458\,430$, $\delta = +21^\circ.438\,250$.

88734 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

88759 Missed target. The system CCDM 18072−1855 is located 45 arcsec NE of its given coordinates. A is not observed. HIP 88762 corresponds to B, and the component D included in the DMSA/C corresponds to C.
Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

88762 D See HIP 88759.

88976 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 272^\circ.419\,514\,32$ (5.74), $\delta = 31^\circ.869\,759\,08$ (7.42), $\pi = 46.85$ (4.43), $\mu_\alpha = 53.43$ (8.61), $\mu_\delta = 196.50$ (10.32), with F1 = 5 and F2 = 1.05, and processed as single star.

89158 Triple system with a single catalogue entry, HIP 89158. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 89158 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

89311 This star is now in the CCDM as 18140+6445 B. (J. Dommanget, O. Nys, Bull. Inf. CDS 46, 13, 1995)

89655 Triple system with a single catalogue entry, HIP 89655. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 89655 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

90032 Triple system with a single catalogue entry, HIP 90032. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 90032 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

90284 Triple system with a single catalogue entry, HIP 90284. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 90284 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

90518 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

90616 Inconsistency with the Hipparcos Input Catalogue: if identical to LP 570-17, not a large proper-motion star.

90996 Triple system with a single catalogue entry, HIP 90996. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 90996 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.
The position in Fields H8–9 is for the photocentre of components A+B.

91100 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): α = 278°.739 878 15 (1.53), δ = −13°.870 105 18 (1.10), π = −1.12 (1.78), μ_α = 2.10 (2.00), μ_δ = −1.38 (1.34), with F1 = 5 and F2 = 1.06, and processed as single star.

91235 An orbital solution based on elements by H.A. Abt, M.S. Snowden, Astrophys. J. Supp. Ser., 25, 137, 1973, gives a semi-major axis of 4 mas for the photocentre and a slightly smaller parallax, 5.40 mas (standard error 0.62 mas).

91256 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

91607 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): α = 280°.235 955 62 (2.62), δ = −35°.111 499 95 (1.69), π = 4.23 (3.17), μ_α = 8.61 (3.38), μ_δ = −6.60 (2.04). Astrometric parameters refer to the primary component with F1 = 0 and F2 = −0.27, and double star parameters: θ = 178.0, ϱ = 9.266 (0.013), ΔHp = 1.94 (0.02).

91635 Triple system with two catalogue entries, HIP 91635 and HIP 91636. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 91635 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

91636 Triple system with two catalogue entries, HIP 91635 and HIP 91636. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 91636 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.
The position in Fields H8–9 is for the photocentre of components A+B.

91724 Position found in stochastic solution coincides with that of HIP 91720.

91735 This star is now in the CCDM as 18426+5534 C. (J. Dommanget, O. Nys, Bull. Inf. CDS 46, 13, 1995)

91906 This star is now in the CCDM as 18442+7559 A, instead of HIP 91924. (J. Dommanget, O. Nys, Bull. Inf. CDS 46, 1995, 13)

91924 Missed target.
No acceptable astrometric solution obtained.
This star is no longer in the CCDM. (J. Dommanget, O. Nys, Bull. Inf. CDS 48, 19, 1996)

92005 Triple system with two catalogue entries, HIP 92005 and HIP 92006. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 92005 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

92006 Triple system with two catalogue entries, HIP 92005 and HIP 92006. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 92006 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

92027 Triple system with a single catalogue entry, HIP 92027. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 92027 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

92499 Inconsistency with the Hipparcos Input Catalogue: not a high-proper-motion star.

92507 Triple system with a single catalogue entry, HIP 92507. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 92507 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

92536 No acceptable astrometric solution obtained.

92584 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
This entry may correspond to the Tycho Catalogue entry TYC 8766-2368-1 at α = 282°.989 982, δ = −57°.928 873.

92817 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): α = 283°.688 320 72 (1.27), δ = −82°.418 050 67 (1.30), π = 4.07 (1.62), μ_α = −349.83 (1.49), μ_δ = 8.13 (1.73), with F1 = 0 and F2 = −0.47, and processed as single star.

92836 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
Investigations carried out after the main catalogue was finalised led to a probable solution for this entry (standard errors in parentheses): α = 283°.723 525 80 (2.76), δ = 10°.977 571 11 (1.94), π = 50.30 (2.70), μ_α = 19.08 (2.91), μ_δ = 118.06 (2.13), with F1 = 23 and F2 = 2.73, and processed as single star.

92897 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

93018 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

93047 Inconsistency with the Hipparcos Input Catalogue: not the high-proper-motion star LP 571-80 located 36 arcsec at NW.