Number HIP 1	2	Descriptor: epoch J1991.25 RA h m s 3	Dec ±° ′ ″ 4	V mag 5	6	7	Position: epoch J1991.25 α (ICRS) deg 8	δ deg 9	10	Par. π mas 11	Proper Motion $\mu_{\alpha*}$ mas/yr 12	μ_δ mas/yr 13	Standard Errors α* mas 14	δ mas 15	π mas 16	$\mu_{\alpha*}$ mas/yr 17	μ_δ mas/yr 18	Astrometric Correlations (%) δ/α* 19	π/α* 20	π/δ 21	$\mu_{\alpha*}$/α* 22	$\mu_{\alpha*}$/δ 23	$\mu_{\alpha*}$/π 24	μ_δ/α* 25	μ_δ/δ 26	μ_δ/π 27	μ_δ/$\mu_{\alpha*}$ 28	Soln F1 % 29	F2 30
1		00 00 00.22	+01 05 20.4	9.10		H	0.000 911 85	+01.089 013 32		3.54	−5.20	−1.88	1.32	0.74	1.39	1.36	0.81	+32	−7	−11	−24	+9	−1	+10	−1	+1	+34	0	0.74
2		00 00 00.91	−19 29 55.8	9.27		G	0.003 797 37	−19.498 837 45	+	21.90	181.21	−0.93	1.28	0.70	3.10	1.74	0.92	+12	−14	−24	−29	+1	+21	−2	−19	−28	+14	2	1.45
3		00 00 01.20	+38 51 33.4	6.61		G	0.005 007 95	+38.859 286 08		2.81	5.24	−2.91	0.53	0.40	0.63	0.57	0.47	+6	+9	+4	+43	−1	−6	+3	+24	+7	+21	0	−0.45
4		00 00 02.01	−51 53 36.8	8.06		H	0.008 381 70	−51.893 546 12		7.75	62.85	0.16	0.53	0.59	0.97	0.65	0.65	−22	−9	−3	+24	+20	+8	+18	+8	−31	−18	0	−1.46
5		00 00 02.39	−40 35 28.4	8.55		H	0.009 965 34	−40.591 224 40		2.87	2.53	9.07	0.64	0.61	1.11	0.67	0.74	+10	+24	+6	+26	−10	+20	−16	−30	−19	+6	0	−1.24
6		00 00 04.35	+03 56 47.4	12.31		G	0.018 141 44	+03.946 488 93		18.80	226.29	−12.84	4.03	2.18	4.99	6.15	3.20	+35	−1	+3	−11	−2	+47	−2	+3	+31	+35	4	2.95
7		00 00 05.41	+20 02 11.8	9.64		G	0.022 548 91	+20.036 602 16		17.74	−208.12	−200.79	1.01	0.79	1.30	1.13	0.82	+32	+8	−2	−4	+12	+6	+11	+0	+16	+43	0	0.21
8		00 00 06.55	+25 53 11.3	9.05	3	H	0.027 291 60	+25.886 474 45		5.17	19.09	−5.66	1.70	0.93	1.95	1.54	0.88	+27	−66	−36	−38	−12	+36	−21	−24	+32	+18	0	0.98
9		00 00 08.48	+36 35 09.4	8.59		H	0.035 341 89	+36.585 937 77		4.81	−6.30	8.42	0.86	0.55	0.99	1.02	0.65	+3	+16	−1	+0	+7	−2	+8	+4	+10	+13	3	−1.26
10		00 00 08.70	−50 52 01.5	8.59		H	0.036 253 09	−50.867 073 60		10.76	42.23	40.02	0.77	0.73	1.10	0.98	0.82	−13	−24	+11	+1	−7	+6	+0	−18	−22	−13	0	0.82
11		00 00 08.95	+46 56 24.0	7.34		H	0.037 296 95	+46.940 001 54		4.29	11.09	−2.02	0.52	0.51	0.84	0.53	0.54	+9	+20	+31	−30	+0	−11	+6	+21	+26	+5	0	−0.23
12		00 00 09.82	−35 57 36.8	8.43		H	0.040 917 56	−35.960 224 82		4.06	−5.99	−0.10	0.81	0.58	1.16	1.02	0.72	+13	−9	−17	−36	+0	+16	−1	−41	+29	+2	2	0.76
13		00 00 10.00	−22 35 40.9	8.80		H	0.041 679 70	−22.594 680 60		3.49	8.45	−10.07	1.21	0.67	1.48	1.44	0.59	+15	+23	+24	+9	+9	+24	−5	−37	−4	−10	0	−0.46
14		00 00 11.59	−00 21 37.5	7.25		G	0.048 271 89	−00.360 421 19		5.11	61.75	−11.67	0.88	0.54	0.99	1.12	0.59	+34	+1	−21	+23	−3	+11	+1	−24	+27	+40	0	−0.31
15		00 00 12.07	+50 47 28.2	8.60		H	0.050 308 90	+50.791 173 84		2.45	13.88	5.47	0.66	0.70	1.16	0.78	0.70	−27	+8	+27	+22	+5	+9	+6	−6	+14	−19	0	0.35
*16		00 00 12.34	−54 54 50.9	11.71		G	0.051 408 52	−54.914 128 19		0.53	257.39	−96.63	1.49	1.67	2.63	1.81	1.95	−27	−7	−13	+2	+3	+4	+5	−8	−9	−22	0	0.76
*17		00 00 12.26	−40 11 32.4	8.15		H	0.051 099 57	−40.192 328 42		6.15	−34.46	−26.37	0.57	0.55	1.00	0.61	0.65	+18	+24	+13	+29	−7	+11	−15	−35	−18	+11	0	−0.62
18		00 00 12.75	−04 03 13.5	11.03		G	0.053 139 23	−04.053 738 13		19.93	−127.22	23.78	2.18	1.20	2.36	2.69	1.15	+24	+19	+4	−8	+3	+15	+3	−30	+26	+18	3	0.05
19		00 00 12.80	+38 18 14.7	6.53		H	0.053 316 96	+38.304 086 36		4.12	−2.50	−15.07	0.55	0.40	0.64	0.60	0.45	+9	−5	+3	+53	−8	−10	−4	+21	+8	+23	0	−0.84
20		00 00 15.11	+23 31 45.4	8.51		G	0.062 950 50	+23.529 283 97		10.76	36.00	−22.98	0.88	0.59	1.06	0.92	0.59	+30	+39	+19	+10	+2	+8	+9	−5	+20	+32	0	0.50
21		00 00 15.90	+08 00 26.0	7.55		H	0.066 235 69	+08.007 234 37		5.84	61.89	−0.22	0.84	0.51	0.95	0.84	0.56	+20	+13	−9	−10	+1	+3	+6	−16	+30	+36	2	2.05
22		00 00 16.83	−49 21 08.2	8.69		H	0.070 135 93	−49.352 266 86		4.47	−7.90	0.46	0.63	0.79	1.15	0.71	0.93	−6	−1	−10	−16	−14	+8	−12	−26	−6	+7	0	−0.40
23		00 00 17.86	+13 18 44.0	7.57		G	0.074 429 30	+13.312 210 83		12.21	54.15	9.65	0.90	0.52	0.95	0.91	0.55	+17	+10	+12	−23	+19	+9	+15	−1	+10	+36	0	0.32
24		00 00 18.25	−23 27 09.9	9.05		H	0.076 049 79	−23.452 749 13		9.73	127.15	22.22	1.00	0.61	1.21	1.21	0.55	+3	−12	+21	−10	+12	+27	+1	−37	−2	−13	1	0.24
25	H	00 00 19.05	−44 17 25.1	6.28		G	0.079 365 37	−44.290 297 41	A	13.74	58.36	−108.64	0.88	0.81	0.98	0.73	0.68	−32	+18	−7	+2	−14	+2	−10	−25	+10	−2	2	−0.52
26		00 00 20.24	−13 23 35.9	9.13		H	0.084 345 79	−13.393 296 86		9.19	−103.33	−33.35	1.00	0.83	1.34	1.42	0.75	+42	−13	−12	−12	−16	+33	−24	−55	+25	+31	0	−0.56
27		00 00 20.51	−41 17 51.1	9.32		H	0.085 469 76	−41.297 536 96		9.66	135.96	−113.67	0.82	0.73	1.38	0.95	0.94	−2	−6	+7	+19	−3	+6	−4	−34	−15	−4	2	−0.07
28		00 00 20.94	−43 21 42.5	8.83		H	0.087 248 71	−43.361 799 62		5.64	−10.96	−8.69	0.71	0.60	1.05	0.83	0.78	+5	−3	−11	+17	−15	+26	−14	−45	+8	+8	0	−0.76
29		00 00 22.11	−49 06 28.6	9.14		H	0.092 131 06	−49.107 955 05		2.85	26.86	4.05	0.75	0.92	1.40	0.79	1.09	−9	−11	−18	−24	−8	−3	−11	−24	+8	+0	0	−0.23
30		00 00 23.07	+42 08 29.4	8.26		H	0.096 135 63	+42.141 498 82		3.79	−8.44	−10.14	0.53	0.53	0.88	0.72	0.54	+7	+11	+26	−9	−5	−14	+2	+14	+16	−8	0	0.03
31		00 00 23.54	+02 40 31.7	7.63		H	0.098 093 90	+02.675 477 68		1.84	−4.88	−0.20	1.06	0.61	1.05	1.49	0.69	+19	+17	−4	−33	+14	−2	+22	+10	+7	−7	0	−0.07
32		00 00 23.66	+51 56 22.2	9.09		H	0.098 583 75	+51.939 490 50		3.10	−0.39	−1.38	0.78	0.74	1.29	0.94	0.79	−18	+7	+18	+4	+8	+8	+8	+2	+19	−12	2	0.61
33		00 00 23.80	−10 27 44.8	8.10		H	0.099 180 83	−10.462 454 45		8.94	−3.62	28.71	0.90	0.48	1.09	1.39	0.47	+30	−31	−6	−25	+2	+33	−14	−38	+30	+23	0	0.26
34		00 00 23.87	+26 55 05.7	6.43		H	0.099 469 73	+26.918 238 21		12.71	42.20	−53.47	0.61	0.43	0.74	0.64	0.43	+15	+32	+13	+0	+4	+2	+7	−7	+15	+9	0	1.99
35		00 00 24.61	−14 29 25.7	9.07		H	0.102 560 52	−14.490 480 72		5.96	162.25	−1.47	1.13	0.69	1.45	1.66	0.62	+29	−34	−22	−22	−7	+44	−14	−47	+26	+19	2	1.25
36		00 00 24.79	+12 16 01.5	7.68		H	0.103 275 50	+12.267 093 03		6.30	49.71	14.27	0.82	0.53	0.96	0.85	0.60	+26	+15	−5	−12	+3	−1	+7	−11	+23	+50	0	0.34
37	H	00 00 25.28	−47 10 46.5	10.44		H	0.105 351 90	−47.179 583 82	*	3.74	−6.92	7.03	3.67	2.50	2.72	2.23	2.14	+10	−14	−8	−13	−9	+12	−9	−26	+11	−4	2	−0.24
38		00 00 26.65	−79 03 42.6	8.65		H	0.111 046 94	−79.061 831 33		23.84	162.30	−62.40	0.64	0.68	0.78	0.74	0.64	+10	−4	−14	+5	+9	−5	+7	−4	+3	+13	0	−1.56
39		00 00 26.85	−16 41 48.9	7.46		G	0.111 861 48	−16.696 930 20		10.98	169.72	−32.54	0.95	0.61	1.18	1.40	0.57	+30	−2	−2	−32	−6	+17	−12	−47	+14	+11	2	−0.03
*40	H	00 00 29.27	+67 13 00.4	10.61	2	G	0.121 969 71	+67.216 791 25	A	−3.40	−2.99	−3.18	3.83	3.95	4.25	4.14	3.75	−11	−9	+24	−4	+12	+17	+8	−21	+12	−10	7	1.79
*41		00 00 27.98	+54 18 08.1	8.70		H	0.116 563 51	+54.302 237 74		3.42	1.78	−0.47	0.66	0.67	1.04	0.78	0.71	−24	+26	+13	+24	+1	+8	+5	−4	+6	−15	0	−1.53
42		00 00 30.09	+25 50 41.2	8.20		G	0.125 386 66	+25.844 780 59		6.38	20.70	−6.51	0.77	0.54	0.91	0.87	0.56	+13	+17	+11	+7	−7	−11	−2	−9	+19	+7	0	0.31
43		00 00 30.98	+59 33 35.1	6.18		H	0.129 089 00	+59.559 737 86		7.63	−80.60	−24.07	0.42	0.45	0.60	0.56	0.49	−20	+8	+8	+5	−2	−2	+1	−15	+18	−16	2	0.93
44		00 00 31.85	−03 18 22.9	7.91		H	0.132 722 30	−03.306 361 74		2.41	11.10	16.04	1.11	0.50	1.01	1.37	0.51	+18	+15	−3	−43	+6	+3	+3	−26	+13	+20	0	1.42
45	H	00 00 32.21	−72 12 09.8	9.59		H	0.134 204 53	−72.202 710 31	A	15.10	−37.20	−2.78	1.82	1.68	1.92	1.95	1.64	+5	+15	−14	+8	+14	+0	+14	+6	+0	+8	1	0.92
46		00 00 32.29	−25 37 20.1	8.57		H	0.134 544 29	−25.622 252 77		1.19	15.17	−13.39	0.99	0.58	1.20	1.34	0.57	+7	−9	−9	−25	+8	+1	+0	−45	+28	−19	0	1.22
47		00 00 32.45	−56 50 06.9	10.78		G	0.135 192 36	−56.835 247 73		24.45	−44.21	−145.90	1.29	1.35	1.97	1.49	1.57	−11	−9	−2	+2	+7	−2	+10	−13	−9	+6	4	1.58
48		00 00 32.45	−40 41 25.6	7.31		H	0.135 222 64	−40.690 446 64		1.86	4.08	−11.28	0.56	0.46	0.87	0.62	0.57	+11	+14	+8	+38	−6	+12	−8	−33	−5	+9	2	−1.59
49		00 00 33.48	+16 40 08.5	9.53		H	0.139 500 66	+16.669 031 83		1.59	26.66	6.95	1.02	0.67	1.28	1.06	0.67	+40	+6	+8	+5	+7	+8	+7	+1	+11	+46	0	−2.08
50	H	00 00 34.29	−53 05 51.6	6.49		G	0.142 870 59	−53.097 662 77	A	16.89	52.98	−20.52	0.52	0.56	0.80	0.56	0.55	−30	−25	+9	+17	+11	+1	+12	−7	−16	−32	1	−0.72
51		00 00 34.41	+01 03 58.3	8.94		H	0.143 390 44	+01.066 197 26		0.41	10.19	6.33	1.32	0.71	1.30	1.44	0.71	+19	−5	−17	−41	+18	+2	+13	−2	+14	+24	0	−0.37
52		00 00 35.20	−77 01 12.5	8.56		H	0.146 658 79	−77.020 140 50		3.95	21.46	9.91	0.65	0.62	0.77	0.76	0.64	−4	+14	−24	+5	+8	−2	+6	−1	−8	+10	0	1.25
53		00 00 35.37	−29 15 48.2	10.96		H	0.147 390 23	−29.263 382 47		−1.76	11.94	−12.96	2.18	1.03	2.45	3.15	1.27	+3	−7	+7	+27	+5	+8	−10	−32	+11	−22	0	1.19
54		00 00 36.40	+17 58 08.2	10.57		G	0.151 655 58	+17.968 955 79		20.97	367.14	−19.49	1.26	1.04	1.71	1.41	1.02	+40	−1	−2	−3	−11	+17	−10	−22	+17	+42	0	0.68
55	H	00 00 37.88	−66 40 59.2	7.40		G	0.157 833 23	−66.683 103 36	A	14.66	162.88	−28.82	0.86	0.85	0.98	0.82	0.82	−14	+12	−24	−16	+7	−8	+3	+8	−11	−5	2	0.24
56		00 00 39.08	+00 13 22.6	8.12		H	0.162 831 75	+00.222 938 99		3.47	39.02	−3.09	1.20	0.62	1.27	1.71	0.67	+11	+19	−24	−29	+1	+23	+7	−24	+29	+27	0	0.91
57		00 00 40.39	−69 40 32.9	8.27	1	H	0.168 285 57	−69.675 800 68		33.89	−40.97	−67.59	0.63	0.64	0.79	0.66	0.64	−8	+0	−29	−13	−5	+11	−1	−18	+5	+2	1	0.31
58		00 00 41.70	+62 10 33.6	7.05		H	0.173 763 41	+62.176 004 84		26.06	−46.95	−43.90	0.48	0.51	0.67	0.54	0.57	−17	+16	+18	+21	−5	−5	−1	−2	+24	−21	0	−1.05
59		00 00 41.87	+55 43 20.9	9.09		H	0.174 447 49	+55.722 462 67		−0.06	−0.27	−1.02	0.85	0.85	1.38	1.16	0.98	−33	−5	+19	−29	+21	+37	+14	−18	+2	−25	1	1.99
60		00 00 42.10	−64 27 57.0	8.34		H	0.175 423 18	−64.465 825 16		6.18	1.75	10.74	0.63	0.60	0.83	0.70	0.63	−6	−3	−27	−3	+11	−1	+12	−9	−17	+3	0	0.06
61		00 00 42.28	+53 49 19.9	8.86		H	0.176 157 26	+53.822 186 25		5.60	32.68	−16.70	0.64	0.68	1.11	0.89	0.82	−32	+19	+12	+1	+1	+12	−1	+1	−2	−13	1	0.67
62		00 00 43.19	−45 25 21.8	8.27		H	0.179 961 23	−45.422 727 31		5.28	4.02	−4.78	0.89	0.87	1.15	1.17	1.19	+24	+8	−20	−11	−52	+12	−39	−71	+20	+45	1	1.71
63		00 00 43.62	+45 15 12.0	6.36	1	H	0.181 749 50	+45.253 333 05		4.81	17.38	0.22	0.41	0.43	0.71	0.43	0.44	+8	+6	+20	−14	−5	−10	−3	+16	+14	+6	1	−0.20
64		00 00 44.30	−27 54 27.2	8.08		H	0.184 588 93	−27.907 546 14		3.45	−5.93	−14.59	0.88	0.48	0.94	1.22	0.51	+3	−3	+9	+16	+5	+22	−7	−26	+1	−23	0	−0.10
65		00 00 45.11	−54 49 49.2	11.00		G	0.187 975 32	−54.830 340 57		16.98	−205.14	−75.34	1.34	1.54	2.43	1.65	1.83	−25	−7	−15	−1	+5	+13	+8	−4	−13	−27	1	1.98
66		00 00 45.25	−72 19 05.7	8.55		H	0.188 549 17	−72.318 249 13		8.18	−15.61	11.88	0.77	0.68	0.88	0.89	0.67	−11	+25	−19	+18	+11	−1	+9	−13	−5	−2	0	0.64
67		00 00 47.78	+23 32 17.7	7.83		G	0.199 101 32	+23.538 248 73		7.48	91.05	−12.35	0.76	0.55	0.93	0.81	0.51	+28	+27	+11	+14	+1	+12	+5	−18	+15	+33	2	−1.32
68		00 00 48.15	+16 59 20.3	8.79		H	0.200 636 28	+16.988 964 99		31.80	−99.69	−315.90	0.94	0.63	1.17	1.14	0.82	+35	+3	−12	+12	+3	−3	+3	+14	−7	+25	0	−0.62
69		00 00 48.33	+30 23 45.2	8.33		H	0.201 371 75	+30.395 892 83		6.35	16.48	−1.30	0.97	0.58	1.12	1.37	0.61	−2	+17	−1	−29	+17	+28	+17	−9	+24	+4	0	0.22
70		00 00 48.67	+36 46 39.5	10.42		H	0.202 800 14	+36.777 639 45	B	5.25	−46.78	−0.88	19.36	13.02	13.87	16.42	11.24	+4	+27	+9	−4	+6	−18	+14	+6	+19	+4	17	2.51
71		00 00 49.70	+36 46 48.6	8.26		H	0.207 099 81	+36.780 153 28	A	9.13	−24.50	−19.47	2.11	1.35	1.84	2.05	1.40	−1	+25	+6	−6	+9	−15	+14	+15	+16	+2	17	2.51
72		00 00 52.67	−12 49 43.2	8.97		H	0.219 469 89	−12.828 670 15		10.63	185.34	−119.65	1.11	0.63	1.25	1.32	0.59	+26	−10	−7	−41	−9	+30	−13	−49	+30	+29	3	0.93
73		00 00 52.91	+66 50 52.7	6.90		H	0.220 457 19	+66.847 966 87		3.97	−20.78	18.19	0.53	0.51	0.69	0.67	0.55	−13	+4	+23	+8	−2	−11	+1	+2	+17	−11	1	−0.33
74		00 00 53.25	+35 45 09.8	9.93		H	0.221 872 81	+35.752 722 13		24.22	157.73	−40.31	1.12	0.82	1.36	1.53	0.94	+18	+3	+9	−12	+1	+19	−3	+3	+15	+31	2	−1.43
75		00 00 53.56	−50 26 47.3	7.42		H	0.223 162 16	−50.446 465 00		1.60	29.01	2.56	0.55	0.53	0.79	0.69	0.59	−8	+0	−9	−3	−11	+2	−9	−7	−5	−1	0	1.20
76		00 00 54.77	+32 49 32.4	9.03	2	H	0.228 219 59	+32.825 674 52		2.29	−1.98	−8.45	1.02	0.67	1.19	1.17	0.71	+7	+12	−4	+40	+3	−25	+6	+19	+8	+14	4	−0.31
77		00 00 55.33	−30 03 51.0	8.41		G	0.230 521 69	−30.064 173 33		3.53	18.83	2.83	0.90	0.49	1.12	1.24	0.61	+4	−21	+3	−11	+7	+31	+0	−39	−1	−15	1	1.30
78		00 00 55.76	+17 52 04.2	8.06		H	0.232 313 07	+17.867 841 93		1.17	−0.51	3.68	0.72	0.56	0.96	0.81	0.54	+41	+13	+10	+10	+6	+6	+5	−4	+1	+41	0	1.09
79		00 00 56.57	+35 19 00.3	8.69		H	0.235 722 86	+35.316 753 86		4.57	16.45	−13.81	0.87	0.56	0.99	1.06	0.62	+10	+2	+2	−16	−2	+14	−4	+7	+23	+22	0	−0.28
80		00 00 58.03	−11 49 24.7	8.40		G	0.241 792 16	−11.823 537 22		15.59	419.04	−82.83	1.00	0.60	1.43	1.53	0.56	+36	−17	−6	−33	−5	+51	−17	−42	+35	+37	0	−0.94
81		00 00 58.53	−04 55 55.6	8.57		G	0.243 864 43	−04.932 114 71		23.43	−184.70	−172.67	1.25	0.59	1.28	1.60	0.58	+26	+0	−19	−3	+0	+10	+0	−38	+27	+31	2	0.73
82		00 00 59.53	−10 56 08.9	9.50		G	0.248 031 73	−10.935 805 40		1.82	−6.01	−65.06	1.15	0.69	1.37	1.59	0.64	+31	−9	−7	−3	+3	−1	−9	−41	+30	+19	0	−0.17
83		00 00 59.54	+52 04 50.0	8.85		H	0.248 081 00	+52.080 564 44		2.28	−2.10	−0.99	0.77	0.79	1.30	0.90	0.83	−29	+16	+13	+15	−3	+10	+0	+6	+24	−26	0	−0.04
84		00 01 00.43	+27 53 10.8	9.61		H	0.251 807 22	+27.886 343 68		18.90	225.55	−5.46	1.20	0.77	1.33	1.54	0.76	−3	−4	+19	−5	+1	−11	+1	−13	+17	−12	0	−0.22
85		00 01 01.44	−24 42 50.6	10.62		G	0.256 007 30	−24.714 049 02		3.90	48.48	0.49	1.69	0.95	2.06	2.56	0.95	+10	+16	−9	+34	−6	+27	−15	−40	+22	−12	1	0.76
86		00 01 02.49	+69 36 12.6	8.05		H	0.260 382 62	+69.603 498 30		3.47	11.53	2.67	0.56	0.58	0.78	0.71	0.58	+2	−4	+26	−7	+3	+25	−3	−13	+16	+20	0	0.95
87		00 01 02.76	−05 50 05.9	7.80		G	0.261 515 56	−05.834 975 69		4.52	−7.83	−10.91	0.87	0.48	1.08	1.17	0.53	+31	−11	−7	−4	−8	+51	−6	−35	+23	+43	0	1.39
88		00 01 04.60	−48 48 35.5	5.71		H	0.269 159 58	−48.809 859 19		5.97	−17.92	−6.75	0.44	0.44	0.70	0.50	0.54	−17	−6	−6	−15	−1	+8	+0	−19	−4	−6	0	−0.67
89		00 01 06.52	+53 10 01.0	7.87		H	0.277 151 78	+53.166 942 53		2.60	0.68	0.03	0.49	0.58	0.96	0.74	0.60	−41	+4	+19	+3	+4	+12	+4	−6	+9	−22	0	−0.57
90		00 01 07.20	−41 53 14.7	7.64		H	0.279 999 88	−41.887 429 72		9.35	25.10	−46.98	0.60	0.47	0.92	0.72	0.60	−4	+3	+7	+28	+0	+23	−3	−33	−2	−6	2	−0.67
91		00 01 07.34	−05 52 27.6	7.66		H	0.280 568 47	−05.874 332 93		4.21	−15.41	−6.09	0.95	0.50	1.23	1.29	0.56	+33	+17	+4	+2	+0	+52	+4	−27	+37	+51	0	1.24
92		00 01 09.75	−20 42 20.1	8.68		H	0.290 625 12	−20.705 586 48		4.77	27.51	15.15	1.37	0.62	1.44	1.58	0.59	−2	+6	+9	−51	+14	+9	+14	−40	+13	−15	0	1.48
93		00 01 10.13	−00 04 33.3	8.12		G	0.292 222 55	−00.075 920 34		16.74	54.94	−73.28	1.07	0.61	1.28	1.33	0.71	+25	+35	−12	+10	−9	+31	+8	−25	+36	+40	0	−0.78
94		00 01 10.76	−32 45 24.5	10.10		H	0.294 853 02	−32.756 805 69		10.48	50.32	−12.69	1.04	0.69	1.48	1.24	0.83	+8	−15	+6	−25	+3	+17	−2	−36	+12	+0	1	1.49
95		00 01 12.49	−11 57 50.4	8.67		H	0.302 038 83	−11.964 000 15		7.85	−9.94	−13.75	0.88	0.57	1.17	1.36	0.55	+26	−7	+2	−10	+1	+50	−7	−40	+28	+31	0	−1.27
96		00 01 13.17	+13 58 29.1	10.46		G	0.304 893 57	+13.974 748 26	A	19.83	20.59	139.82	4.63	3.08	5.16	4.67	3.04	+42	+2	+8	+10	−13	+7	−12	−18	+5	+50	14	2.03
*97		00 01 13.76	−21 24 14.6	9.48		H	0.307 333 62	−21.404 045 27		5.52	18.34	1.21	1.39	0.68	1.74	2.05	0.69	+6	+23	+26	−31	+12	−8	+12	−29	+3	−23	0	0.58
*98		00 01 13.72	−52 47 54.9	9.87		H	0.307 178 11	−52.798 579 54		6.49	−2.09	1.70	0.74	0.95	1.44	0.88	0.95	−34	−18	+4	+23	+7	+1	+7	+0	−11	−30	0	0.86
99		00 01 15.84	+60 21 19.1	7.04	2	H	0.316 016 20	+60.355 297 98		1.27	9.57	−6.49	0.47	0.51	0.70	0.55	0.57	−10	+6	+15	+13	+1	−3	+3	+3	+26	−10	0	0.52
100		00 01 15.95	+19 44 28.7	8.44		H	0.316 451 28	+19.741 316 48		4.49	−29.13	−30.14	0.84	0.61	1.08	0.92	0.63	+31	+0	−12	−4	+10	+6	+9	+4	+16	+40	0	0.26

No. HIP 31	Tycho Magnitudes B_T mag 32	σ mag 33	V_T mag 34	σ mag 35	36	Colour Indices B–V mag 37	σ mag 38	39	V–I mag 40	σ mag 41	42-3	Magnitude (Hp) Hp mag 44	σ mag 45	s mag 46	N 47	48	Variability (Hp) Max mag 49	Min mag 50	P days 51	52-4	Multiplicity Data CCDM 55	56-7	Flags 58-61	AB 62	θ ° 63	ρ ″ 64	σ_ρ ″ 65	ΔHp mag 66	σ mag 67	Misc Flags 68-70
1	9.643	0.020	9.130	0.019		0.482	0.025	T	0.55	0.03	L	9.2043	0.0020	0.017	87		9.17	9.24					1							S
2	10.519	0.033	9.378	0.021		0.999	0.002	G	1.04	0.00	I	9.4017	0.0017	0.015	120		9.37	9.44		C			1 O							
3	6.576	0.004	6.621	0.005		−0.019	0.004	G	0.00	0.00	H	6.6081	0.0007	0.008	127		6.60	6.62		C	00000+3852	I 1	1							S
4	8.471	0.007	8.092	0.007		0.370	0.009	T	0.43	0.01	L	8.1498	0.0011	0.015	201		8.12	8.18					1							S
5	9.693	0.014	8.656	0.010		0.902	0.013	T	0.90	0.01	L	8.7077	0.0018	0.019	161		8.68	8.74					1							
6						1.336	0.020	G	1.55	0.03	I	12.4488	0.0085	0.091	87		12.30	12.60					1							G
7	10.542	0.039	9.679	0.030		0.740	0.020	G	0.79	0.02	H	9.6795	0.0021	0.017	104		9.65	9.72		C			1							
8	10.433	0.055	9.151	0.029		1.102	0.051	T	3.92	0.39	O	8.5522	0.1671	1.460	77		7.15	11.25	327.50	P 1 B			1 S							G P
9	9.962	0.025	8.711	0.015		1.067	0.023	T	1.03	0.02	L	8.7534	0.0018	0.014	107		8.73	8.78		C			1							
10	9.140	0.011	8.630	0.010		0.489	0.011	T	0.56	0.01	L	8.6994	0.0020	0.019	156		8.66	8.75					1							S
11	7.446	0.005	7.364	0.005		0.081	0.007	T	0.09	0.01	L	7.3777	0.0010	0.012	153		7.36	7.40		C			1							S
12	10.369	0.023	8.588	0.010		1.484	0.020	T	1.50	0.03	L	8.5598	0.0012	0.017	177		8.53	8.59					1							
13	10.216	0.026	8.887	0.014		1.128	0.023	T	1.09	0.02	L	8.9707	0.0017	0.015	117		8.94	9.00					1							
14	8.812	0.013	7.396	0.008		1.200	0.015	G	1.16	0.01	H	7.4195	0.0009	0.009	97		7.41	7.43		C			1							S
15	10.117	0.020	8.739	0.011		1.166	0.018	T	1.13	0.02	L	8.7669	0.0018	0.022	192		8.73	8.80					1							
16						0.421	0.015	G	0.49	0.02	H	11.8279	0.0062	0.072	196		11.66	11.94					1 S							G
17	8.642	0.008	8.187	0.008		0.425	0.007	G	0.49	0.01	H	8.2405	0.0011	0.015	180		8.22	8.27					1							S
18						1.567	0.197	G	1.49	0.02	A	11.0625	0.0035	0.035	114		10.98	11.12		C			1							G
19	7.739	0.006	6.630	0.004		0.955	0.005	G	0.94	0.00	H	6.6890	0.0007	0.007	144		6.68	6.70		C			1							S
20	9.074	0.015	8.549	0.014		0.516	0.015	G	0.59	0.02	H	8.6208	0.0015	0.011	94		8.60	8.64					1							S
21	9.413	0.019	7.689	0.009		1.438	0.017	T	1.43	0.03	L	7.6923	0.0012	0.010	97		7.67	7.71		C			1							S
22	9.919	0.015	8.803	0.010		0.962	0.014	T	0.95	0.01	L	8.8563	0.0017	0.024	212		8.82	8.90					1							
23	8.044	0.008	7.606	0.008		0.456	0.015	G	0.53	0.02	H	7.6626	0.0015	0.011	93		7.63	7.68		C			1							S
24	9.662	0.015	9.103	0.014		0.528	0.015	T	0.60	0.02	L	9.1657	0.0015	0.017	139		9.13	9.20		C			1 S							
25	7.238	0.004	6.375	0.003	*	0.763	0.003	G	0.80	0.00	H *	6.4211	0.0006	0.008	197	*	6.41	6.44		D	00003−4417	I 1	2 C A	AB	316	0.463	0.002	0.66	0.01	S
26	9.747	0.020	9.179	0.019		0.535	0.020	T	0.61	0.02	L	9.2438	0.0018	0.020	131		9.21	9.29					1							S
27	10.140	0.017	9.389	0.015		0.671	0.017	T	0.73	0.01	L	9.4598	0.0026	0.026	184		9.41	9.50					1							S
28	9.376	0.012	8.892	0.012		0.468	0.013	T	0.54	0.01	L	8.9386	0.0014	0.016	171		8.92	8.97					1							S
29	10.502	0.022	9.284	0.013		1.041	0.020	T	1.01	0.02	L	9.3109	0.0019	0.024	199		9.26	9.36					1 S							
30	8.414	0.007	8.266	0.008		0.142	0.010	T	0.16	0.01	L	8.3069	0.0011	0.012	151		8.29	8.33		C			1							S
31	9.534	0.021	7.791	0.010		1.453	0.018	T	1.46	0.03	L	7.7648	0.0020	0.014	80		7.75	7.79		C			1							S
32	9.108	0.011	9.070	0.015		0.040	0.017	T	0.06	0.01	L	9.1043	0.0022	0.024	161		9.06	9.15					1							
33	8.616	0.009	8.152	0.009		0.466	0.015	G	0.54	0.02	H	8.2076	0.0011	0.010	150		8.19	8.23		C			1							S
34	7.040	0.004	6.491	0.004		0.514	0.005	T	0.59	0.01	L	6.5466	0.0009	0.007	105		6.53	6.56			00004+2655	I 1	1							S
35	10.214	0.029	9.181	0.019		0.916	0.004	G	0.96	0.00	I	9.2353	0.0016	0.020	125		9.21	9.27		C			1							
36	9.159	0.015	7.801	0.009		1.150	0.014	T	1.11	0.01	L	7.8503	0.0015	0.009	87		7.83	7.87		C			1							S
37	10.857	0.036	10.457	0.040	*	0.391	0.045	T	0.46	0.05	L *	10.5345	0.0037	0.035	131	*	10.44	10.61		D	00004−4711	H 1	2 C A	AB	332	0.233	0.017	0.78	0.28	
38	9.614	0.016	8.723	0.012		0.778	0.015	T	0.81	0.01	L	8.7855	0.0019	0.020	127		8.76	8.81		C			1							
39	7.986	0.008	7.493	0.008		0.475	0.009	T	0.55	0.01	L	7.5669	0.0010	0.010	102		7.55	7.58		C			1							S
40						0.570	0.042	G	0.64	0.04	R *	10.3360	0.0056	0.082	124	*	10.24	10.55		U 2 C	00005+6713	I 1	2 C A	AB	225	8.198	0.010	0.17	0.03	G
41	8.699	0.009	8.676	0.011		0.026	0.013	T	0.04	0.01	L	8.7202	0.0018	0.021	172		8.68	8.76					1							
42	8.656	0.011	8.238	0.011		0.387	0.012	G	0.45	0.01	H	8.2911	0.0011	0.010	102		8.28	8.31					1							S
43	7.497	0.005	6.290	0.003		1.032	0.005	T	1.00	0.00	L	6.3456	0.0006	0.007	147		6.34	6.36		C			1							S
44	9.347	0.020	8.048	0.012		1.104	0.018	T	1.07	0.02	L	8.0825	0.0012	0.009	114		8.07	8.10		C			1							S
45	10.618	0.033	9.808	0.026	A						T *	9.7391	0.0025	0.028	130	*	9.69	9.79		D	00005−7212	I 1	2 C A	AB	242	2.829	0.019	2.06	0.09	
46	9.900	0.017	8.690	0.011		1.035	0.016	T	1.01	0.01	L	8.7350	0.0013	0.017	167		8.70	8.76		C			1							
47	12.125	0.127	10.909	0.072		1.150	0.020	G	1.25	0.04	I	10.8416	0.0044	0.044	162		10.73	10.91					1 S							G
48	8.813	0.009	7.438	0.005		1.164	0.008	T	1.13	0.01	L	7.4752	0.0008	0.009	162		7.46	7.49		C			1							S
49	10.053	0.023	9.575	0.024		0.450	0.030	T	0.52	0.03	L	9.6310	0.0020	0.018	114		9.60	9.66		C			1							
50	7.256	0.004	6.579	0.003	A	0.616	0.005	G	0.68	0.00	H *	6.6231	0.0007	0.010	258	*	6.61	6.64		D	00006−5306	I 1	2 C A	AB	325	1.699	0.014	3.29	0.06	S
51	10.082	0.027	9.039	0.018		0.906	0.024	T	0.91	0.02	L	9.1050	0.0022	0.014	86		9.07	9.14					1							
52	8.807	0.015	8.595	0.018		0.196	0.023	T	0.21	0.03	L	8.6228	0.0020	0.016	131		8.59	8.66					1							S
53											T	11.1006	0.0041	0.041	152		11.03	11.17					1							G
54	11.685	0.102	10.679	0.065		1.030	0.015	G	1.08	0.02	I	10.6972	0.0035	0.029	108		10.65	10.74		C			1							G
55	7.946	0.016	7.381	0.015	*	0.551	0.015	G	0.62	0.01	H *	7.5159	0.0010	0.012	135	*	7.50	7.54		D	00006−6641	I 1	2 C A	AB	274	3.809	0.007	1.79	0.02	S
56	9.861	0.021	8.276	0.011		1.329	0.019	T	1.29	0.02	L	8.2798	0.0014	0.013	97		8.26	8.30		C	00007+0013	I 1	1							S
57	9.353	0.013	8.353	0.009		0.863	0.012	T	0.88	0.01	L	8.4078	0.0023	0.026	161		8.37	8.46		U			1							
58	7.665	0.006	7.110	0.005		0.520	0.007	T	0.59	0.01	L	7.1625	0.0008	0.010	147		7.15	7.18					1							S
59	9.218	0.020	9.125	0.025		0.091	0.030	T	0.10	0.03	L	9.1257	0.0042	0.039	142		9.07	9.19		R			1							
60	8.789	0.011	8.381	0.011		0.386	0.014	T	0.45	0.01	L	8.4337	0.0016	0.019	143		8.40	8.47		C			1							S
61	10.275	0.022	9.006	0.013		1.081	0.020	T	1.04	0.02	L	9.0314	0.0019	0.022	194		8.99	9.07		R			1							
62	9.545	0.013	8.387	0.009		0.994	0.012	T	0.97	0.01	L	8.4354	0.0017	0.020	159		8.40	8.47					1 G							S
63	6.291	0.003	6.348	0.004		−0.047	0.005	T	−0.03	0.01	L	6.3485	0.0012	0.019	155		6.31	6.37	3.74	P 1 A			1							S P
64	9.567	0.015	8.202	0.009		1.156	0.014	T	1.12	0.01	L	8.2463	0.0016	0.017	172		8.22	8.27					1							S
65	12.193	0.135	10.953	0.067		1.147	0.005	G	1.24	0.01	I	11.1289	0.0045	0.058	198		11.01	11.22					1							G
66	9.004	0.011	8.587	0.011		0.401	0.023	G	0.47	0.03	H	8.6404	0.0020	0.020	140		8.61	8.69					1							S
67	8.353	0.010	7.875	0.009		0.495	0.015	G	0.57	0.02	H	7.9346	0.0013	0.012	98		7.92	7.96		C			1							S
68	10.017	0.024	8.903	0.016		0.940	0.015	G	0.99	0.02	I	8.9324	0.0021	0.014	110		8.91	8.97		C			1 G							
69	8.475	0.012	8.335	0.014		0.135	0.017	T	0.15	0.02	L	8.3785	0.0011	0.011	80		8.37	8.40		C			1							S
70	11.153	0.073	10.377	0.057	B	0.706	0.072	T	0.76	0.06	L	10.5870	0.0430			B				D	00008+3647	I 2	1 C I A							
71	9.319	0.017	8.357	0.013	A	0.846	0.016	T	0.86	0.01	L	8.4175	0.0069	0.032	110	A	8.38	8.48		D	00008+3647	I 2	1 C P A							S
72	9.766	0.019	9.057	0.016		0.671	0.002	G	0.73	0.00	H	9.1074	0.0016	0.016	135		9.08	9.14		C			1							
73	8.787	0.011	7.054	0.006		1.446	0.010	T	1.44	0.02	L	7.0364	0.0011	0.010	130		7.02	7.05					1							S
74	11.364	0.075	10.112	0.038		1.068	0.066	T	1.03	0.05	L	10.0824	0.0032	0.030	103		10.04	10.15		R			1							G
75	9.441	0.013	7.588	0.006		1.524	0.020	G	1.59	0.02	A	7.5402	0.0013	0.015	172		7.52	7.56					1							S
76	11.229	0.058	9.258	0.018		1.670	0.050	T	2.29	0.09	O	9.0913	0.0032	0.034	103		9.04	9.14		U 2			1							
77	8.440	0.010	8.411	0.013		0.022	0.009	G	0.04	0.01	H	8.4315	0.0009	0.013	161		8.41	8.46					1							S
78	9.625	0.019	8.200	0.011		1.203	0.017	T	1.16	0.02	L	8.2267	0.0015	0.012	106		8.21	8.25		C			1							
79	9.300	0.016	8.735	0.015		0.529	0.020	T	0.60	0.02	L	8.8073	0.0017	0.014	100		8.78	8.83		C			1							
80	9.086	0.011	8.472	0.010		0.566	0.015	G	0.64	0.01	H	8.5253	0.0013	0.016	159		8.50	8.55					1							S
81	9.377	0.015	8.656	0.013		0.642	0.002	G	0.71	0.00	H	8.7088	0.0015	0.015	118		8.68	8.73		C			1							S
82	10.822	0.037	9.582	0.020		1.107	0.015	G	1.07	0.02	I	9.6307	0.0023	0.025	152		9.60	9.67		C			1							
83	11.067	0.043	9.028	0.014		1.726	0.037	T	1.83	0.10	O	8.9461	0.0021	0.027	160		8.91	8.98					1							
84	10.686	0.050	9.700	0.032		0.852	0.046	T	0.90	0.05	L	9.7504	0.0027	0.022	80		9.71	9.80		C			1							
85	11.012	0.043	10.593	0.046		0.359	0.019	G	0.42	0.02	H	10.6984	0.0033	0.034	148		10.63	10.75					1							G
86	8.067	0.008	8.053	0.009		0.018	0.011	T	0.04	0.01	L	8.0655	0.0014	0.014	117		8.04	8.10		C	00011+6935	I 1	1							
87	8.301	0.007	7.843	0.009		0.430	0.015	G	0.50	0.02	H	7.9001	0.0010	0.009	141		7.89	7.92		C			1							S
88	6.863	0.003	5.807	0.002		0.911	0.001	G	0.91	0.00	H	5.8690	0.0006	0.007	170		5.86	5.88		C			1							S
89	9.943	0.016	8.058	0.007		1.566	0.014	T	1.58	0.01	L	7.9850	0.0012	0.016	233		7.96	8.01					1							
90	8.206	0.006	7.697	0.006		0.500	0.015	G	0.57	0.02	H	7.7519	0.0009	0.011	192		7.73	7.77		C			1							S
91	9.353	0.016	7.804	0.008		1.300	0.014	T	1.26	0.01	L	7.8145	0.0011	0.011	140		7.80	7.83					1							S
92	9.866	0.019	8.774	0.013		0.944	0.018	T	0.93	0.01	L	8.8386	0.0013	0.014	127		8.81	8.86					1							
93	8.855	0.012	8.202	0.011		0.619	0.015	G	0.69	0.01	H	8.2479	0.0014	0.012	98		8.23	8.27		C			1							S
94	10.798	0.033	10.099	0.028		0.644	0.035	T	0.71	0.03	L	10.2385	0.0019	0.027	195		10.18	10.29		C			1							
95	9.263	0.012	8.724	0.011		0.513	0.012	T	0.59	0.01	L	8.7811	0.0014	0.016	158		8.76	8.82		C			1							S
96	11.875	0.107	10.693	0.060	A	1.360	0.010	G	1.59	0.02	I	10.6082	0.0225	0.088	131	A	10.53	10.88		D	00012+1358	M 1	2 C A	AB	204	11.799	0.013	0.54	0.05	G P
97	10.082	0.023	9.521	0.022		0.530	0.024	T	0.60	0.03	L	9.5922	0.0023	0.021	134		9.56	9.63		C			1							S
98	10.503	0.022	9.914	0.020		0.551	0.022	T	0.62	0.02	L	9.9890	0.0024	0.035	252		9.93	10.05					1 S							
99	11.006	0.055	7.383	0.006		2.835	0.040	T	2.91	0.04	L	6.9749	0.0143	0.157	153		6.77	7.21		U 2 B	00013+6021	I 1	1 S							
100	9.525	0.019	8.540	0.014		0.898	0.015	G	0.90	0.01	H	8.6023	0.0014	0.015	103		8.57	8.63		D			1							S

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