Document Title	Level	Instrument	Area	Topic	Sub-topics(s)	Applicability	Document Reference/Link	Date/version	HELL URL	#	Authors	Notes
PACS Handbook	1	PACS	Overview	Instrument			HERSCHEL-HSC-DOC-2101	30/04/2019, v4.0.1	https://www.cosmos.esa.int/documents/12133/996891/PACS+Explanatory+Supplement	PACS-0	Katrina Exter	
Point source photometry calibration	1	PACS	Calibration	Flux Calibration		Photometer	2014, Exp Astron	01/07/2013		PACS-14	Balog et al	
The Herschel PACS photometer calibration	1	PACS	Calibration	Flux Calibration		Photometer	2013, Exp. Astro.; erratum in 2014 (unimportant)	2013		PACS-16	Markus Nielbock et al	
PACS Spectroscopy Peformance and Calibration	1	PACS	Calibration	Calibration		Spectrometer	PICC-KL-TN-041	07/07/2016, v3.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Spectroscopy+performance+and+calibration	PACS-2	Bart Vandenbussche, Alessandra Contursi, Helmut Feuchtgruber, Katrina Exter, Christophe Jean, Albrecht Poglitsch, Elena Puga, Pierre Royer, Roland Vavrek	
PACS Photometer Fact Sheet	1	PACS	Overview	General		Bolometers	HERSCHEL HSC-DOC-2149	08/06/2017, v1.1	https://www.cosmos.esa.int/documents/12133/996891/PACS+Photometer+Fact+Sheet	PACS-21	Katrina Exter	
The Photodetector Array Camera and Spectrometer (PACS) for Herschel	1	PACS	Overview	General	PACS instrument	Bolometers	2010, A&A, 518, L2	2010		PACS-22	Poglitsch et al.	
PACS Photometry/Spectroscopy Data Products Known Issues	1	PACS	Data products	Products			In preparation	In preparation		PACS-24		
PACS Photometer Quick Start Guide	1	PACS	Overview	General		Bolometers	HERSCHEL-HSC-DOC-2151	23/06/2017, v1.1	https://www.cosmos.esa.int/documents/12133/996891/PACS+Photometer+Quick+Start+Guide	PACS-241	Katrina Exter	
All PACS documentation in HELL spreadsheet (Excel)	1	PACS	Overview	HELL			HERSCHEL-HSC-DOC-2159	2017	https://www.cosmos.esa.int/documents/12133/996891/PACS+document+registry+spreadsheet	PACS-243		
All PACS documentation in HELL spreadsheet (CSV)	1	PACS	Overview	HELL			HERSCHEL-HSC-DOC-2160	07/03/2017	https://www.cosmos.esa.int/documents/12133/996891/PACS+document+registry+spreadsheet+CSV+format	PACS-244	Katrina Exter et al.	
Product decision trees	1	PACS	Data processing	Data Reduction		Spectrometer	HERSCHEL-HSC-DOC-2166	01/03/2018, v3.0	https://www.cosmos.esa.int/documents/12133/996891/Product+decision+trees	PACS-252	Katrina Exter	
PACS Data Reduction Launchpad: Photometry	1	PACS	Data processing	Data Reduction		Photometer	HERSCHEL-HSC-DOC-2167	27/04/2017, v1.1	https://www.cosmos.esa.int/documents/12133/996891/PACS+Data+Reduction+Launchpad+-+Photometry	PACS-253	Katrina Exter	
PACS Data Reduction Launchpad: Spectroscopy	1	PACS	Data processing	Data Reduction		Spectrometer	HERSCHEL-HSC-DOC-2168	27/04/2017, v1.1	https://www.cosmos.esa.int/documents/12133/996891/PACS+Data+Reduction+Launchpad+-+Spectroscopy	PACS-254	Katrina Exter	
PACS Products Explained	1	PACS	Data products	Products	Legacy products		HERSCHEL-HSC-DOC-2191	01/03/2018, v2.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+	PACS-26	Katrina Exter	
All PACS documentation in HELL spreadsheet (PDF)	1	PACS	Overview	Documentation	HELL		HERSCHEL-HSC-DOC-2204	2017		PACS-282	Katrina Exter	
PACS Data Reduction Guide: Spectroscopy	1	PACS	Data processing	Data Reduction		Spectrometer	HERSCHEL-HSC-DOC-2183	March-2017, v15.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Data+Reduction+Guide+-+Spectroscopy	PACS-3	Katrina Exter	
PACS Spectrometer Fact Sheet	1	PACS	Overview	General		Bolometers	HERSCHEL-HSC-DOC-2150	28/02/2017	https://www.cosmos.esa.int/documents/12133/996891/PACS+Spectrometer+Fact+Sheet	PACS-310	Katrina Exter	
PACS Spectrometer Quick Start Guide	1	PACS	Overview	General		Bolometers	HERSCHEL-HSC-DOC-2152	11/01/2019, v1.3	https://www.cosmos.esa.int/documents/12133/996891/PACS+Spectrometer+Quick+Start+Guide	PACS-311	Katrina Exter	
PACS Data Reduction Guide: Photometry	1	PACS	Data processing	Data Reduction		Photometer	HERSCHEL-HSC-DOC-2182	March-2017, v15.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Data+Reduction+Guide+-+Photometr	PACS-4	Zoltan Balog, Luca Calzoletti	
Scanamorphos' web site	1	PACS	Data processing	Data Reduction	Mappers	Photometer	Home page	2016		PACS-8		
Unimap' web site	1	PACS	Data processing	Data Reduction	Mappers	Photometer	Home page	2016		PACS-9	Lorenzo Piazzo et al.	
PACS Photometer PSF	2	PACS	Calibration	Beams		Photometer	PICC-ME-TN-033	16/11/2015, v2.2	https://www.cosmos.esa.int/documents/12133/996891/PACS+photometer+point+spread+function	PACS-1	Dieter Lutz	
Unimap applied to Herschel	2	PACS	Data processing	Data Reduction	Mappers	Photometer	Mon Not R Astron Soc (2015) 447 (2): 1471-1483	01/11/2014		PACS-10	L. Piazzo et al.	
Impacts of The Radiation Environment At L2 On Bolometers Onboard The Herschel Space Observatory	2	PACS	Instrument	InFlight	Bolometer	Photometer	Impacts of The Radiation Environment At L2 On Bolometers Onboard The HERSCHEL Space Observatory	24/07/2012		PACS-100	B. Horeau et al.,	
JScanam	2	PACS	Data processing	Data Reduction	Mappers	Photometer	ASP Conference	10/12/2015		PACS-11	J. Gracia-Carpio et al.,	
Optimised Herschel/PACS photometer observing and data-reduction strategies for moving solar system targets	2	PACS	Data processing	Data Reduction	SSOs	Photometer	Exp Astron (2014) 37: 161	01/07/2014		PACS-12	Csaba Kiss	
Spectrometer Flux Calibration	2	PACS	Calibration	Flux Calibration		Spectrometer	PICC-KL-TN-047	25/08/2011	https://www.cosmos.esa.int/documents/12133/996891/PACS+Spectrometer+Calibration+Document+%28with+addendum%29	PACS-13	Christophe Jean, Pierre Royer, Bart Vandenbussche	
PACS He3 sorption cooler	2	PACS	Instrument	Satellite	InFlight/Cryo	Photometer	Exp Astron (2014) 37: 397	01/07/2014		PACS-133	Marc Sauvage	
PACS Instrument Description Document I	2	PACS	Instrument			Bolometers	PICC-ME-GR-002 (part I)	22/12/2006, v3.1	https://www.cosmos.esa.int/documents/12133/996891/PACS+Instrument+Description+Document+Part+I	PACS-135	O. Bauer	
PACS Chopped line scan and high sampling range scan AOT release note	2	PACS	Instrument	Uplink		Spectrometer	PICC-KL-TN-038	19/01/2010, v2.3	https://www.cosmos.esa.int/documents/12133/996891/PACS+chopped+line+scan+and+high+sampling+range+scan+AOT+release+note	PACS-147	Bart Vandenbussche, A. Contursi, Helmut Feuchtgruber, Ulrich Klaas, Andrea Papageorgiou, Pierre Royer & Roland Vavrek	
PACS map-making tools: analysis and benchmarking	2	PACS	Data processing			Photometer	PACS-mapmaking	01/11/2013, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Map-making+Tools+-+Analysis+and+Benchmarking	PACS-148	PACS ICC	
A Herschel telescope background model for the PACS photometer	2	PACS	Calibration			Photometer	PICC-MA-TN-013	27/06/2016, v1.3	https://www.cosmos.esa.int/documents/12133/996891/A+Herschel+telescope+background+model+for+the+PACS+photometer	PACS-149	Ulrich Klaas	
Point source photometry calibration: asteroids	2	PACS	Calibration	Flux Calibration		Photometer	2014ExA...37..253M	22/11/2013		PACS-15	Müller et al,	
PACS Spec - pointing offset correction technical note	2	PACS	Data processing			Spectrometer	PACS Spec - pointing offset correction	2016	https://www.cosmos.esa.int/documents/12133/996891/PACS+Spec+-+Pointing+offset+correction	PACS-150	J. Bouwman	
On the comparison of PACS 160mum and AKARI 140mum maps	2	PACS	Calibration			Photometer	PICC-CR-TN-047	14/12/2015, v1.0	https://www.cosmos.esa.int/documents/12133/996891/On+th	PACS-153	PACS ICC	
Faint standard stars	2	PACS	Calibration	Flux Calibration		Photometer	Exp Astron (2014) 37: 347	01/07/2014		PACS-17	Marton, G., Vavrek, R., Kiss, C. et al.	
Far-infrared photometric observations of the outer planets and satellites with Herschel-PACS	2	PACS	Calibration	Flux Calibration		Photometer	Astronomy & Astrophysics, Volume 588, id.A109	2016		PACS-18	Thomas Mueller et al.	
Colour corrections: photometer passbands and EEFs	2	PACS	Calibration	Flux Calibration	Bandpass, colour corrections, Aperture corrections	Photometer	PICC-ME-TN-038	12/04/2011, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Photometer+Passbands+and+Colour+Correction+Factors+for+Various+Source+SEDs	PACS-19	Thomas Mueller et al.	
The effect of the high-pass filter data reduction technique on the Herschel PACS Photometer PSF and noise	2	PACS	Data processing	Flux Calibration	Mappers, PSF, Noise	Photometer	PACS Technical Note	2013	https://www.cosmos.esa.int/documents/12133/996891/The+effect+of+the+high-pass+filter+data+reduction+technique+on+the+Herschel+PACS+Photometer+PSF+and+noise	PACS-20	P Popesso et al	
PACS map-making tools: analysis and benchmarking, updated	2	PACS	Data processing	Mappers		Photometer	PACS map-making tools: analysis and benchmarking, updated	30/03/2014, v2.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Map-making+Tools+-+Update+on+Analysis+and+Benchmarking	PACS-23	Roberta Paladini, PACS ICC	
Non-uniform illumination of the PACS spectrometer FoV	2	PACS	Calibration	Field of view		Spectrometer	PACS ICC Presentation	2015, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Non-uniform+illumination+of+the+PACS+spectrometer+FoV	PACS-262	A. Poglitsch	
PACS SED and large range scan AOT release note	2	PACS	Instrument	AOT/release notes		Spectrometer	PICC-KL-TN-039	10/03/2010, v1.3	https://www.cosmos.esa.int/documents/12133/996891/PACS+SED+and+large+range+scan+AOT+release+note	PACS-27	PACS ICC	
Flux Calibration with "Normalization"	2	PACS	Calibration			Spectrometer	Technical Note	14/04/2010, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Flux+Calibration+with+Normalization	PACS-272	A. Poglitsch	
Description of Telescope Background (OD, λ)	2	PACS	Calibration			Spectrometer	Technical Note	2010, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Description+of+Telescope+Background	PACS-273	A. Poglitsch	
Semi extended sources: Technical note on the E2P correction	2	PACS	Data processing	Calibration	Field of view	Spectrometer	Technical Note	11/02/2016, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Spectrometer+Simulation+and+the+Extended+to+Point+Correction	PACS-274	Jeroen de Jong	
Unchopped AOTs Release note	2	PACS	Instrument	AOT/release notes		Spectrometer	Unchopped AOTs Release note	20/09/2010, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Release+Note+Unchopped+line+scan+and+Unchopped+Range+Scan+SED+Mode+-+Unchopped+Mode	PACS-28	PACS ICC	
PACS Spectrometer: forward model tool for science use	2	PACS	Data processing	Field of view		Spectrometer	HERSCHEL-HSC-TN-2131	25/01/2017, v1.0		PACS-283	Elena Puga	
PACS Photometer Filter Transmission Curves	2	PACS	Calibration	Filters		Photometer	PACS-P ADP Filter transmission pages	10/04/2017		PACS-284	PACS ICC	
PACS-P PSF Ancillary Data	2	PACS	Calibration	Beams		Photometer	Ancillary Data Product archive	24/04/2017		PACS-285	PACS ICC	
PACS-P EEF Ancillary Data	2	PACS	Calibration	Beams		Photometer	Ancillary Data Product archive	18/04/2017		PACS-286	PACS ICC	
Dealing with contamination	2	PACS	Data processing			Spectrometer	HERSCHEL-HSC-TN-2209	27/10/2017, v1.1	https://www.cosmos.esa.int/documents/12133/996891/Dealing+with+contamination	PACS-288	Katrina Exter	
HPDP Release Note: PACS-S Red leak spectra	2	PACS	Data products	Highly Processed Data Products		Spectrometer	HERSCHEL-HSC-DOC-2170	17/03/2017, v1.1	https://www.cosmos.esa.int/documents/12133/996891/Observations+in+the+red-leak+spectral+range	PACS-289	Elena Puga	
Unchopped line scan bright line mode release note	2	PACS	Instrument	AOT/release notes		Spectrometer	Unchopped line scan bright line mode release note	15/04/2011, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Release+Note+Unchopped+%E2%80%98Bright%E2%80%99+Line-Scan+Mode	PACS-29	PACS ICC	
HPDP Release Note: PACS-S Blue Edge Spectra	2	PACS	Data products	Highly Processed Data Products		Spectrometer	In preparation	In preparation		PACS-290		
HPDP Release Note: The separated On-source and Off-source cubes	2	PACS	Data products	Highly Processed Data Products		Spectrometer	HERSCHEL-HSC-DOC-2189	27/10/2017, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Spectrometer+HPDP+-+The+separated+On-source+and+Off-source+cubes/e126e8be-9622-fe5a-2abb-0fee397ba063	PACS-291	Katrina Exter	
HPDP Release Note: PACS-P Point Source Catalogue	2	PACS	Data products	Highly Processed Data Products		Photometer	PACS-P Point Source Catalogue	17/05/2017	https://www.cosmos.esa.int/web/herschel/pacs-point-source-catalogue	PACS-294	Gabor Marton et al.	
HPDP Release Note: PACS-P Unimap Highly Processed Mosaics	2	PACS	Data products	Highly Processed Data Products		Photometer	PACS photometer Unimap highly processed Mosaics	04/07/2017	https://www.cosmos.esa.int/web/herschel/pacs-unimap-mosaics-hpdp	PACS-295		
HPDP Release Note: PACS-P JScanam Highly Processed Mosaics	2	PACS	Data products	Highly Processed Data Products		Photometer	PACS PHOTOMETER JScanam highly processed Mosaics	19/04/2017	https://www.cosmos.esa.int/web/herschel/pacs-jscanam-mosaics-hpdp	PACS-296		
ADP Release Note: PACS-S PSFs	2	PACS	Data products	Ancillary Data Products	PSF	Spectrometer	HERSCHEL-HSC-DOC-2171	28/03/2017, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Spectrometer+Beams+as+Ancillary+Data+Products	PACS-297	Elena Puga	
ADP Release Note: PACS-P PSFs	2	PACS	Data products	Ancillary Data Products	PSF,EEF	Photometer	HERSCHEL-HSC-DOC-2181	16/05/2017, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Photometer+PSFs+and+EEFs+as+Ancillary+Data+Products	PACS-298	Luca Calzoletti	
ADP Release Note: PACS-P Filter Transmissions	2	PACS	Data products	Ancillary Data Products	Filter transmission	Photometer	PACS Photometer Filter transmission: ReadMe	07/04/2017, v1.0		PACS-299	Luca Calzoletti	
PACS wavelength switching AOT release note	2	PACS	Instrument	AOT/release notes		Spectrometer	PACS wavelength switching AOT release note	20/01/2010, v1.1	https://www.cosmos.esa.int/documents/12133/996891/PACS+Wavelength+Switching+AOT+release+note	PACS-30	PACS ICC	
ADP Release Note: PACS-S Calibrator Models	2	PACS	Data products	Ancillary Data Products	Calibration	Spectrometer	ADP Release Note: PACS-S Calibrator Models ReadMe	20/04/2017		PACS-300	PACS ICC	

ADP Release Note: PACS OBSW images	2	PACS	Data products	Ancillary Data Products	Software		ADP Release Note: PACS OBSW images	17/01/2017		PACS-301	David Teyssier& Rik Huygen	
ADP Release Note: PACS Trend Analysis Data Products	2	PACS	Data products	Ancillary Data Products	Trend analysis		PACS Trend Monitoring Data Products	17/04/2017		PACS-302	David Teyssier& Rik Huygen	
ADP data: PACS modelled PSFs	2	PACS	Data products	Ancillary Data Products	PSF	Photometer	Data (821 Mbytes)	16/12/2016		PACS-303	N. Geis & D. Lutz	
ADP data: PACS-S PSFs	2	PACS	Data products	Ancillary Data Products	PSF	Spectrometer	Data (20 Mbytes)	04/04/2017		PACS-304	Elena Puga	
ADP data: PACS-P PSFs	2	PACS	Data products	Ancillary Data Products	PSF	Photometer	Data (162 Mbytes)	16/05/2017		PACS-305	Luca Calzoletti	
ADP data: PACS-P Filter Transmissions	2	PACS	Data products	Ancillary Data Products	Filter transmission	Photometer	Data (0.4 Mbytes)	10/04/2017		PACS-306	Luca Calzoletti	
ADP data: PACS-S Calibrator Models	2	PACS	Data products	Ancillary Data Products	Calibration	Spectrometer	Data (249 Mbytes)	11/07/2017		PACS-307	PACS ICC	
ADP data: PACS OBSW images	2	PACS	Data products	Ancillary Data Products	Software		Data (72 Mbytes)	18/01/2017		PACS-308	David Teyssier& Rik Huygen	
ADP data: PACS Trend Analysis Data Products	2	PACS	Data products	Ancillary Data Products	Trend analysis		Data (multiple files available)	18/01/2017		PACS-309	David Teyssier& Rik Huygen	
Photometer scan map AOT release note	2	PACS	Instrument	AOT/release notes		Photometer	PICC-ME-TN-035	23/02/2010, v1.1	https://www.cosmos.esa.int/documents/12133/996891/PACS+photometer+-+Prime+and+Parallel+scan+mode+release+note	PACS-31	PACS ICC	
Semi extended sources: tarball with with HIPE script and additional explanatory material	2	PACS	Data processing	Calibration	Field of view	Spectrometer	Tarball	11/02/2016, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PSpec+Extended+to+Point+Correction+tarball	PACS-318	Jeroen de Jong	
Herschel-PACS photometry of faint stars for sensitivity performance assessment and establishment of faint FIR primary photometric standards	2	PACS	Calibration	Flux Calibration	Science	Photometer	A&A 613, A40 (2018)	2018		PACS-319	U. Klaas, Z. Balog, M. Nielbock, T.G. Müller, H. Linz, Cs. Kiss	
PACS Photometer - Point-Compact Source Observations, Mini Scan-Maps and Chop-Nod	2	PACS	Instrument	AOT/release notes		Photometer	PICC-ME-TN-036	12/11/2010, v2.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Photometer+-+Point-Compact+Source+Observations%2C+Mini+Scan-Maps+and+Chop-Nod	PACS-32	PACS ICC	
Data tables: Herschel-PACS photometry of faint stars for sensitivity performance assessment and establishment of faint FIR primary photometric standards.	2	PACS	Calibration	Flux Calibration	Science	Photometer	Link to CDS	2018	http://cdsarc.u-strasbg.fr/viz-bin/qcat?J/A+A/613/A40	PACS-320	U. Klaas, Z. Balog, M. Nielbock, T.G. Müller, H. Linz, Cs. Kiss	
HPDP Release Note: PACS Spectrometer observations in the red-leak spectral range	2	PACS	Data products	Highly Processed Data Products		Spectrometer	HERSCHEL-HSC-DOC-2170	17/03/2017, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Observations+in+the+red-leak+spectral+range	PACS-321	Elena Puga	
Dealing with Point Sources Observed with PACS Spectroscopy	2	PACS	Data processing	Data Reduction		Spectrometer	HERSCHEL-HSC-DOC-2312	01/03/2018, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Dealing+with+Point+Sources+Observed+with+PACS+Spectroscopy	PACS-322	Katrina Exter	
Dealing with Semi-Extended Sources Observed with PACS Spectroscopy	2	PACS	Data processing	Data Reduction		Spectrometer	HERSCHEL-HSC-DOC-2313	01/03/2018, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Dealing+with+Semi-Extended+Sources+Observed+with+PACS+Spectroscopy	PACS-323	Katrina Exter	
Dealing with Extended Sources Observed with PACS Spectroscopy	2	PACS	Data processing	Data Reduction	FluxCal	Spectrometer	HERSCHEL-HSC-DOC-2314	01/05/2018, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Dealing+with+Extended+Sources+Observed+with+PACS+Spectroscopy	PACS-324	Katrina Exter	
HPDP Release Note: The Pointing Offset Correction point-source calibrated spectra	2	PACS	Data products	Highly Processed Data Products		Spectrometer	HERSCHEL-HSC-DOC-2311	01/06/2018, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Spectrometer+HPDP+-+The+Pointing+Offset+Correction+point-source+calibrated+spectra	PACS-325	Katrina Exter	
Forward Modelling Script Material	2	PACS	Data processing	Data Reduction	Software	Spectrometer	HERSCHEL-HSC-DOC-2322	01/05/2018, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Forward+modelling+script+material	PACS-326	Katrina Exter	
Noise characterization of high-pass filtered PACS photometer mini-maps	2	PACS	Instrument	Calibration		Photometer	PICC-MA-TN-014	22/06/2018, v2.0		PACS-327	U. Klaas & H. Linz	
Noise characterization of mini-maps processed with JScanam	2	PACS	Instrument	Calibration		Photometer	PICC-MA-TN-015	27/06/2018, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Noise+characterization+of+PACS+photometer+mini-maps+processed+with+JScanam	PACS-328	U. Klaas & H. Linz	
ADP Release Note: PACS Observation Summaries	2	PACS	Data products	Ancillary Data Products	Science		PACS Observation Summaries: ReadMe	19/01/2018	http://archives.esac.esa.int/hsa/legacy/ADP/PACS/ObsSummary/README.html	PACS-329	PACS ICC	
PACS Spectrometer Beam Efficiencies (Control Version document)	2	PACS	Calibration	Beams		Spectrometer	HERSCHEL-HSC-TN-2117	01/01/2016, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Spectrometer+Beam+Efficiencies+Control+Document	PACS-33	EP with inputs from PACS ICC	
ADP data: PACS Observation Summaries	2	PACS	Data products	Ancillary Data Products	Science		Data (2.9 Mbytes)	19/01/2018	http://archives.esac.esa.int/hsa/legacy/ADP/PACS/ObsSummary/summaries/	PACS-330	PACS ICC	
Spectroscopy of Planetary Nebulae with Herschel: A Beginners Guide	2	PACS	Data processing	Data Analysis	Science	Spectrometer	Galaxies, 6, 73 (2018)	2018		PACS-331	Karina Exter	
PACS Spectrometer beams	2	PACS	Calibration	Beams		Spectrometer	PACS Spec beams	01/08/2015	https://www.cosmos.esa.int/documents/12133/996891/PACS+Spectrometer+beams	PACS-34	PACS ICC	
PACS Spectroscopy beam efficiency tables (central spaxel)	2	PACS	Calibration	Beams		Spectrometer	PACS Spec beam efficiency tables (central spaxel)	01/07/2013	https://www.cosmos.esa.int/documents/12133/996891/PACS+Spectrometer+Beam+Efficiency+Tables	PACS-35	PACS ICC	
PACS Spectrometer beam efficiency tables	2	PACS	Calibration	Beams		Spectrometer	PACS Spec beam efficiency tables	01/07/2013, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Spec+beam+efficiency+tables	PACS-36	PACs ICC	
SOVT-2 Test report: Dark current measurements in spectroscopy	3	PACS	Instrument	Calibration	Dark current	Spectrometer	PICC-KL-TR-022	25/02/2009, v1.0	https://www.cosmos.esa.int/documents/12133/996891/SOVT-2+Test+report+-+Dark+current+measurements+in+Spectroscopy	PACS-332	C. Jean & P. Royer	
PSF kernels (for convolution)	2	PACS	Calibration	Beams		Bolometers	Princeton Web Site	Undated	https://www.cosmos.esa.int/documents/12133/1561728/Common-Resolution+Convolution+Kernels+for+Space-+and+Ground-Based+Telescopes	PACS-38	G. Aniano	
Non-linearity correction module for the PACS photometer	2	PACS	Calibration	Bolometers	Artifacts, FluxCal	Photometer	PICC-NHSC-TR-031	01/02/2011, v0.2	https://www.cosmos.esa.int/documents/12133/996891/Non-linearity+Correction+Module+for+the+PACS+Photometer	PACS-39	Nicolas Billot	
PACS spectroscopy flatfield correction	2	PACS	Calibration	Calibration	Flatfield	Spectrometer	PICC-KL-TN-045	28/06/2010, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+spectroscopy+flatfield+correction	PACS-40	Bart Vandenbussche, Alessandra Contursi, Helmut Feuchtgruber, Katrina Exter, Christophe Jean, Albrecht Poglitsch, Elena Puga, Pierre Royer, Roland Vavrek	
PACS Photometer Flat Field Measurement	2	PACS	Calibration	Calibration	Flatfield	Photometer	SAp-PACS-KO-0734-14	14/03/2016, v2.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Photometer+flat+field+measurement	PACS-41	Koryo Okumura, Ulrich Klaas	
Saturation limits for the PACS photometer	2	PACS	Calibration	Calibration	FluxCal	Photometer	SAp-PACS-MS-0680-08	22/07/2008, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Saturation+limits+for+the+PACS+Photometer	PACS-42	Marc Sauvage, Nicolas Billot, Koryo Okumura	
Wavelength calibration of the PACS spectrometer during FMILT	2	PACS	Calibration	Calibration	WaveCal	Spectrometer	Wavelength calibration of the PACS spectrometer during FMILT	12/02/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Wavelength+calibration+of+the+PACS+spectrometer+during+FMILT	PACS-43	Helmut Feuchtgruber	
The PACS Calibration Framework	2	PACS	Calibration			Bolometers	The PACS Calibration Framework	26/07/2011, v1.3	https://www.cosmos.esa.int/documents/12133/996891/The+PACS+Calibration+Framework+-+A+comprehensive+guide	PACS-44	Rik Huygens	
Calibration file history (phot+spec)	2	PACS	Calibration	Calibration history		Bolometers	HIPE 14.2	2016	https://www.cosmos.esa.int/documents/12133/996891/History+of+PACS+calibration+file+set+releases	PACS-45	Rik Huygens	
PACS Routine Phase Calibration Plan	2	PACS	Calibration	Calibration Overview		Bolometers	PICC-MA-PL-002	08/05/2014, v4.01	https://www.cosmos.esa.int/documents/12133/996891/PACS+Routine+Phase+Calibration+Plan	PACS-46	Ulrich Klaas	
PACS Calibration Document Overview	2	PACS	Calibration	Calibration Overview		Bolometers	PICC-MA-LI-003	27/11/2014, v1.10	https://www.cosmos.esa.int/documents/12133/996891/PACS+Calibration+Documentation+Overview	PACS-47	Ulrich Klaas	
PACS Calibration Document	2	PACS	Calibration	Calibration Overview		Bolometers	PACS-MA-GS-001	28/11/2014, v1.10	https://www.cosmos.esa.int/documents/12133/996891/PACS+Calibration+Document	PACS-48	Ulrich Klaas with input from PACS ICC	
PACS Commissioning phase plan	2	PACS	Calibration	Calibration Plans		Bolometers	PICC-ME-PL-024	20/03/2009, v2.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Commisioning+Phase+Plan	PACS-49	Helmut Feuchtgruber	
PACS Commissioning phase Timeline	2	PACS	Calibration	Calibration Plans		Bolometers	PICC-ME-PL-024 (addendum)	03/07/2009, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Commisioning+Phase+Timeline	PACS-50	Ulrich Klaas, Markus Nielbock	
PACS PV phase plan	2	PACS	Calibration	Calibration Plans		Bolometers	PICC-MA-PI-001	07/05/2014, v2.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+PV+Phase+Plan	PACS-51	Ulrich Klaas	
Drift removal by means of alternating least squares with application to Herschel data	2	PACS	Data processing	Data Reduction			Signal Processing, vol. 108, pp. 430-439, 2015	2015		PACS-53	Piazzo, L. et al.	
Zero magnitude conversion for the PACS Photometer	2	PACS	Calibration	Flux Calibration		Photometer	PICC-MA-TN-011	01/10/2013, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Zero+magnitude+conversion+for+the+PACS+Photometer	PACS-60	Markus Nielbock, Ulrich Klaas	
Spectrometer Flux Calibration Concept	2	PACS	Calibration	Flux Calibration		Spectrometer	PICC-KL-TN-034	11/03/2009, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Spectrometer+Flux+Calibration+concept	PACS-61	Pierre Royer, Bart Vandenbussche, Joris Blommaert	
In-orbit rederivation of PACS photometer FOV distortion	2	PACS	Calibration	FocalPlane		Photometer	PICC-ME-TN-044	18/02/2013, v0.1	https://www.cosmos.esa.int/documents/12133/996891/In+orbit+rederivation+of+PACS+photometer+FOV+distortion	PACS-66	Dieter Lutz, Helmut Feuschtgruber	
PACS Observers' Manual	2	PACS	Overview	General	PACS instrument	Bolometers	HERSCHEL-HSC-DOC-0832	09/07/2013, v2.5.1	https://www.cosmos.esa.int/documents/12133/996891/PACS+Observers%27+Manual	PACS-70	PACS consortium	
Recreate the telescope background spectrum	2	PACS	Calibration	Telescope Background	FluxCal	Spectrometer	Recreate the telescope background spectrum	01/09/2015	https://www.cosmos.esa.int/documents/12133/996891/Technical+note+-+telescope+background+model+derivation+in+HIPE	PACS-74	Christophe Jean from Albrecht Poglisch model	
A check for timing shifts of PACS photometer data vs. pointing product	2	PACS	Performance & Calibration	Pointing		Photometer	PICC-ME-TN-043	16/11/2012, v1.0	https://www.cosmos.esa.int/documents/12133/996891/A+check+for+timing+shifts+of+PACS+photometer+data+vs.+pointing+product	PACS-75	Dieter Lutz	
CEA Bolometer Arrays: the First Year in Space	2	PACS	Instrument	InFlight	Bolometer	Photometer	ar2Iv:1007.2168	13/06/2010		PACS-99	N. Billot et al.,	
NEP measurements of the PACS photometer on OD806	3	PACS	Calibration	InFlight	Bolometer	Photometer	SAp-PACS-KO-0726-11	28/09/2011, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Photometer+NEP+measurements+on+OD806	PACS-101	Koryo Okumura	
NEP measurements of the PACS photometer on OD453	3	PACS	Calibration	InFlight	Bolometer	Photometer	SAp-PACS-KO-0722-11	16/06/2011, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Photometer+NEP+measurements+on+OD453	PACS-102	Koryo Okumura	
PACS Photometer electric cross-talk analysis	3	PACS	Instrument	InFlight	Bolometer	Photometer	SAp-PACS-KO-0720-11	07/07/2011, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Photometer+electric+cross-talk+analysis	PACS-103	Koryo Okumura	
PACS Photometer time constant measurements on ODs 455 to 457	3	PACS	Instrument	InFlight	Bolometer	Photometer	SAp-PACS-KO-0723-11	16/06/2011, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Photometer+time+constant+measurements+on+ODs+455+to+457	PACS-104	Koryo Okumura	
PACS Photometer glitch analysis on the electronics	3	PACS	Instrument	InFlight	Bolometer	Photometer	SAp-PACS-KO-0719-11	07/02/2011, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Photometer+glitch+analysis+on+the+electronics	PACS-105	Koryo Okumura	
The drift of the bolometers gain	3	PACS	Instrument	InFlight	Bolometer	Photometer	PICC-CR-TN-041	30/10/2009, v3.0	https://www.cosmos.esa.int/documents/12133/996891/The+drift+of+the+bolometers+gain	PACS-106	Stefano Pezzuto	
Impact of seasonal changes on the telescope temperature on the PACS photometer	3	PACS	Instrument	InFlight	Bolometer	Spectrometer	SAp-PACS-MS-0709-09	04/09/2009, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Investigation+of+the+impact+of+seasonal+changes+of+the+telescope+temperature+on+the+PACS+photometer	PACS-107	Marc Sauvage	

Instrument background and red signal level	3	PACS	Instrument	InFlight	Bolometer	Photometer	SAp-PACS-MS-0707-09	27/07/2009, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Instrument+background+determination+and+red-side+signal+level+investigation	PACS-108	Marc Sauvage, Koryo Okumura, Nicolas Billot	
Vrl-VHblind calibration - readout circuit transfer function calibration	3	PACS	Calibration	InFlight	Bolometer	Bolometers	SAp-PACS-MS-0705-09	22/06/2009, v1.2	https://www.cosmos.esa.int/documents/12133/996891/Vrl-Vhblind+calibration+-+Readout+circuit+transfer+function+calibration	PACS-109	Marc Sauvage, Koryo Okumura, Nicolas Billot	
PACS photometry optimum bias monitoring	3	PACS	Calibration	InFlight	Bolometer, NEP	Photometer	SAp-PACS-KO-0731-12	31/08/2012, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Photometer+Optimum+Bias+Monitoring	PACS-110	Koryo Okumura	
Req. SPT510 Time Constants for Flux Changes in Spectroscopy	3	PACS	Instrument	Pre-flight testing	Calibration, GeGa	Spectrometer	PICC-KL-TR-010	18/09/2008, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Req.+SPT510+Time+Constants+for+Flux+Changes+in+Spectroscopy	PACS-111	Christophe Jean	
Commissioning Phase SPT Analysis Report on Calibration Sources	3	PACS	Instrument	InFlight	CalSources	Bolometers	PICC-MA-TR-084	25/07/2009, v1.0	https://www.cosmos.esa.int/documents/12133/996891/SPT511+-+Internal+Calibration+Sources+Short+Performance+Test+during+Herschel+Commissioning+Phase	PACS-112	H. Dannerbauer, Ulrich Klaas, Joris Bloemmaert, Markus Nielbock & J. Schreiber	
PACS Spectrometer Calibration Block - Implementation & Evaluation for pipeline and AOT design	3	PACS	Calibration	AOT testing	Pipeline testing	Spectrometer	PICC-ME-GP-009	16/05/2008, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Spectrometer+Calibration+Block+-+Implementation+%26+Evaluation+for+pipeline+and+AOT+design	PACS-113	T. G. Muller	
PACS Chopper Stability verification during CP	3	PACS	Instrument	InFlight	Chopper	Bolometers	PICC-MA-TR-082	15/06/2009, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Chopper+Stability+Verification+-+H+COP+PAC+CHP1+01+-+during+Comissioning+Phase+on+May+30%2C+2009	PACS-114	J. Bouwman, Markus Nielbock, Ulrich Klaas	
Analysis of Second Nominal He-II Open Loop Ageing Check of the PACS FM1 Chopper during the Routine Science Phase	3	PACS	Instrument	InFlight	Chopper	Bolometers	PICC-MA-TR-095	14/07/2011, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Analysis+of+Second+Nominal+He-II+Open+Loop+Ageing+Check+of+the+PACS+FM1+Chopper+during+the+Routine+Science+Phase	PACS-115	Markus Nielbock	
PACS RSP – Chopper Open Loop Analysis Report	3	PACS	Instrument	InFlight	Chopper	Bolometers	PICC-MA-TR-090	28/06/2010, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Analysis+of+Nominal+He-II+Open+Loop+Aging+Check+of+the+PACS+FM1+Chopper+during+the+Routine+Science+Phase	PACS-116	Markus Nielbock, Ulrich Klaas	
PACS Chopper Dynamic Behaviour Verification - H COP PAC CHP2 01 - during CoP on June 1 2009	3	PACS	Instrument	InFlight	Chopper	Bolometers	PICC-MA-TR-083	03/07/2004, v2.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Chopper+Dynamic+Behaviour+Verification+-+H+COP+PAC+CHP2+01+-+during+CoP+on+June+1+2009	PACS-117	J. Bouwman, Markus Nielbock, Ulrich Klaas	
PACS CoP – Chopper Open Loop Analysis Report	3	PACS	Instrument	InFlight	Chopper	Bolometers	PICC-MA-TR-088	24/06/2009, v1.1	https://www.cosmos.esa.int/documents/12133/996891/Analysis+of+Nominal+He-II+Open+Loop+Functional+Tests+of+the+PACS+FM1+Chopper+during+the+Commissioning+Phase	PACS-118	Markus Nielbock, Ulrich Klaas, J. Bouwman	
Chopper frequency optimisation in the point source AOT	3	PACS	Instrument	InFlight	Chopper, AOT	Bolometers	PICC-NHSC-TR-027	20/11/2009, v0.2	https://www.cosmos.esa.int/documents/12133/996891/Chopper+Frequency+Optimization+in+Point+Source+AOT	PACS-119	Nicolas Billot	
Time constant after a flux change and signal dependence on chopping frequence	3	PACS	Instrument	InFlight	Chopper, Bolometer	Photometer	SAp-PACS-MS-0710-09	21/09/2009, v2.1	https://www.cosmos.esa.int/documents/12133/996891/PCD+requirements+1.1.10+%26+1.1.16+-+Time+constant+after+a+fl+ux+change+%26+Signal+dependance+on+chopping+frequency	PACS-120	Marc Sauvage, Koryo Okumura	
SEU rate in PACS DPU	3	PACS	Instrument	InFlight	DPU	Bolometers	PICC-CR-TN-045	27/08/2013, v1.0	https://www.cosmos.esa.int/documents/12133/996891/The+rate+of+SEU+in+the+PACS+DPU+memory	PACS-121	Stefano Pezzuto	
PACS spatial calibration files	3	PACS	Calibration	InFlight	FocalPlane	Bolometers	PICC-ME-TN-019	02/06/2013, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+spatial+calibration+files	PACS-122	Dieter Lutz, Alessandra Contursi	
PACS Spatial coordinates cheat-sheet	3	PACS	Calibration	InFlight	FocalPlane	Bolometers	PICC-ME-TN-027	29/03/2011, v2.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+spatial+coordinates+cheat-sheet	PACS-123	A. Contursi & D. Lutz	
Herschel-PACS Commissioning Phase GeGa Optimisation	3	PACS	Instrument	InFlight	GeGa	Spectrometer	PICC-KL-TR-023	17/07/2009, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Herschel-PACS+Commissioning+Phase+GeGa+Optimisation	PACS-125	P.Royer, K. Exter, J. Schreiber & J. Bouwman	
PV analysis report: Calibration source emissivity and straylight	3	PACS	Calibration	InFlight	Straylight, CalSources	Spectrometer	PICC-KL-TR-028	13/01/2010, v2.0	https://www.cosmos.esa.int/documents/12133/996891/PV+analysis+report+-+Calibration+source+emissivity+and+stray+light	PACS-126	Katrina Exter, Pierre Royer	
Spikes on the blue bolometer signal	3	PACS	Instrument	Pre-flight testing	Bolo	Photometer	SAp-PACS-KO-0676-08	28/04/2008, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PM+ILT+report+Spikes+on+the+blue+bolometer+signal+-+Req.+1.1.18bis+Transient+electrical+cross-talk	PACS-127	Koryo Okumura	
The cold focal plane chopper of HERSCHEL's PACS instrument	3	PACS	Instrument	Pre-flight testing	Chopper	Bolometers	Proc. SPIE 6273, Optomechanical Technologies for Astronomy, 627325 (6 July 2006)	06/07/2006		PACS-128	O. Krause	
Chopper FOV scan	3	PACS	Instrument	Pre-flight testing	Chopper	Bolometers	PICC-MA-TR-066	14/01/2009, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Analysis+of+PACS+Chopper+Characteristics+by+closed+loop+full+range+FOV+Scan+at+He-II+stage+during+FM-ST+TV-TB	PACS-129	M. Nielbock, U. Klaas, J. Bouwman, H. Dannerbauer & J. Schreiber	
PACS Ge:Ga Detector tuning during the HSP commissioning phase	3	PACS	Instrument	Pre-flight testing	GeGa	Spectrometer	PICC-MA-TN-001	15/12/2008, v2.2	https://www.cosmos.esa.int/documents/12133/996891/PACS+GeGa+Detector+Tuning+during+the+Herschel+Space+Observatory+Commissioning+Phase	PACS-130	J. Schreiber, Pierre Royer, H. Dannerbauer	
Straylight on the internal calibration sources	3	PACS	Instrument	Pre-flight testing	Straylight	Bolometers	SAp-PACS-KO-0675-08	23/05/2008, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PM+ILT+Report+Req.+3.2.10+Stray+light+on+the+internal+calibration+sources	PACS-131	Koryo Okumura, Thomas Mueller	
Calibration Product Guide (Phot)	3	PACS	Calibration	Products		Photometer	SAp-PACS-BM-0725-11	12/02/2012, v0.91	https://www.cosmos.esa.int/documents/12133/996891/Practical+photometer+calibration+product+Guide	PACS-132	B. Morin	
PACS Instrument Description Document II	3	PACS	Instrument			Bolometers	PICC-ME-GR-002 (part II)	10/11/2006, v3.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Instrument+Description+Document+Part+II	PACS-136	O. Bauer	
PACS Instrument Description Document III	3	PACS	Instrument			Bolometers	PICC-ME-GR-002 (part III)	21/12/2006, v3.01	https://www.cosmos.esa.int/documents/12133/996891/PACS+Instrument+Description+Document+Part+III	PACS-137	O. Bauer	
Photometric calibration products - version tracking	3	PACS	Calibration			Photometer	Sap-PACS-BM-0721-11	22/03/2010, v1.4	https://www.cosmos.esa.int/documents/12133/996891/Photometric+calibration+products	PACS-138	B. Morin, K. Okumura, M. Sauvage & H. Aussel	
PACS sky fields and double sources for photometer spatial calibration	3	PACS	Calibration			Photometer	PACS-ME-TN-035	27/07/2009, v2.7	https://www.cosmos.esa.int/documents/12133/996891/PACS+Sky+Fields+and+Double+Sources+for+Photometer+Spatial+Calibration	PACS-139	Markus Nielbock, Dieter Lutz, Babar Ali, Thomas Mueller &Ulrich Klaas	
Detecting and flagging saturated pixels in the PACS pipeline	3	PACS	Data processing			Photometer	Sap-PACS-MS-0700-09	10/02/2009, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Detecting+and+flagging+of+saturated+pixels+in+the+PACS+pipeline	PACS-140	Marc Sauvage	
QSOs, RGs, and ULIRGS for PACS pointing calibration	3	PACS	Calibration			Bolometers	PICC-MA-TN-004	26/05/2008, v1.0	https://www.cosmos.esa.int/documents/12133/996891/QSOs+RGs+and+ULIRGs+for+PACS+pointing+calibration	PACS-141	H. Dannerbauer , Ulrich Klaas , Markus Nielbock	
Use of blazars for PACS spatial calibration	3	PACS	Calibration			Bolometers	PICC-MA-TN-024	03/03/2008, v1.1	https://www.cosmos.esa.int/documents/12133/996891/Use+of+Blazars+for+PACS+spatial+calibration	PACS-142	Dieter Lutz	
Bright, isolated FIR sources for locating the PACS bolometers	3	PACS	Calibration			Photometer	PICC-ME-TN-023	25/11/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Bright+isolated+FIR+sources+for+locating+the+PACS+bolometers	PACS-143	Dieter Lutz	
Flux estimates (in-orbit and OGSE)	3	PACS	Calibration			Bolometers	PICC-KL-TN-004	10/11/2003, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Flux+estimates+in-orbit+and+OGSE	PACS-144	Martin Groenewegen	
OGSE hole masks for ILT testing	3	PACS	Instrument			Bolometers	PICC-ME-TN-012	17/10/2003, v1.0	https://www.cosmos.esa.int/documents/12133/996891/OGSE+hole+masks+for+ILT+testing	PACS-145	Dieter Lutz, Koryo Okumura	
Contrast of observations with punched masks in PACS ILT	3	PACS	Instrument				Contrast of observations with punched masks in PACS ILT	26/11/2002, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Contrast+of+observations+with+punched+masks+in+PACS+ILT	PACS-146	Dieter Lutz	
Pointing Offset Correction pipeline flowchart	3	PACS	Data processing			Spectrometer	Pointing Offset Correction pipeline flowchart	2016	https://www.cosmos.esa.int/documents/12133/996891/Pointing+Offset+Correction+pipeline+flowchart	PACS-151	J. Bouwman	
Pointing Offset Correction pipeline tasks	3	PACS	Data processing			Spectrometer	Pointing Offset Correction pipeline tasks	01/11/2015, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Relevant+tasks+and+products+for+pointing+offset+correction	PACS-152	J. Schrieber	
DPU on-board software users manual	3	PACS	Instrument			Bolometers	PACS-CR-UM-024	11/06/2008, v3.0	https://www.cosmos.esa.int/documents/12133/996891/Herschel+PACS+DPU+OBS+User+Manual	PACS-154	Stefano Pezzuto	
PACS PN Photometry focal plane units users manual	3	PACS	Instrument			Photometer	Sap-PACS-MS-0616-06	25/02/2009, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+FM+Photometer+Focal+Plane+Unit+User%E2%80%99s+Manual	PACS-155	Marc Sauvage	
DEC/MEC Users Manual	3	PACS	Instrument			Bolometers	PACS-CL-SR-002	29/09/2010, v5.0	https://www.cosmos.esa.int/documents/12133/996891/DEC-MEC+User+Manual+For+OBS+version+6.033	PACS-156	PACS ICC	
Functional and Performance Test of PACS Internal Calibration Sources during cold FM ILT	3	PACS	Instrument			Bolometers	PICC-MA-TR-033	05/11/2007, v1.1	https://www.cosmos.esa.int/documents/12133/996891/Functional+and+Performance+Test+of+PACS+internal+Calibration+Sources+during+cold+FM+ILT+PTD+0.7.11%2C+PTD+0.7.12+and+PTD+2.5.1	PACS-157	H. Dannerbauer, U. Klaas, J. Bouwman, M. Nielbock & J. Schreiber	
Angular Calibration and Zero Point Offset Determination of PACS FM1 Chopper at HeII	3	PACS	Instrument			Bolometers	PICC-MA-TR-021	16/07/2007, v2.4	https://www.cosmos.esa.int/documents/12133/996891/Angular+Calibration+and+Zero+Point+Offset+Determination+of+PACS+FM1+Chopper+for+cold+He+II+++T+%3D+4.2+K+-+conditions+PCD+req.+2.3.1	PACS-158	M. Nielbock, U. Klaas, J. Bouwman, H. Dannerbauer & J. Schreiber	
HERSCHEL/PACS SPU HLSW User Manual	3	PACS	Instrument			Bolometers	PACS-TW-HM-002	18/02/2009, v13.96	https://www.cosmos.esa.int/documents/12133/996891/HERSCHEL-PACS+SPU+HIGH+LEVEL+SOFTWARE+User+Manual	PACS-159	R Ottensamer & Christian Reimers	
HERSCHEL/PACS SPU HIGH LEVEL SOFTWARE Specification Document	3	PACS	Instrument			Bolometers	PACS-TW-GS-001	05/11/2007, v4.6	https://www.cosmos.esa.int/documents/12133/996891/HERSCHEL-PACS+SPU+HIGH+LEVEL+SOFTWARE+Specification+Document	PACS-160	A. N. Belbachir, R. Ottensamer, C. Reimers	
PACS OBCPs and DMC Sequences	3	PACS	Instrument			Bolometers	PACS-ME-LI-005	14/04/2010, v2.2	https://www.cosmos.esa.int/documents/12133/996891/PACS+	PACS-161	H. Feuchtgruber	

Preparing AOTs for the PACS photometer	3	PACS	Instrument			Photometer	SAp-PACS-MS-0186-03	01/12/2005, v2.1	https://www.cosmos.esa.int/documents/12133/996891/Preparing+AOTs+for+the+PACS+photometer	PACS-162	Marc Sauvage, Koryo Okumura	
PACS photometric check: MADmap vs photProject	3	PACS	Data processing			Photometer	PICC-NHSC-TR-028	01/11/2010, v2.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Photometric+Check--+MADmap+vs+Photproject	PACS-163	Nicolas Billot & Babar Ali	
PACS Performance Verification Phase Photometer Point Source AOT Evaluation - dithered vs. non-dithered. Test case - asteroid 360 Carlova	3	PACS	Instrument			Photometer	PICC-MA-TN-006	02/11/2009, v2.3	https://www.cosmos.esa.int/documents/12133/996891/PACS+Performance+Veri+cation+Phase+Photometer+Point+Source+AOT+Evaluation+-+dithered+vs.+non-dithered.+Test+case+-+asteroid+360+Carlova	PACS-164	Markus Nielbock & Ulrich Klaas	
MADmap users guide	3	PACS	Data processing			Photometer	PICC-NHSC-TR-026	10/04/2010, v0.1	https://www.cosmos.esa.int/documents/12133/996891/MADmap+Users+Guide+for+PACS	PACS-165	Babar Ali	
In-orbit crosstalk in the PACS photometer	3	PACS	Instrument			Photometer	PICC-ME-TN-034	25/09/2009, v1.1	https://www.cosmos.esa.int/documents/12133/996891/In-orbit+crosstalk+in+the+PACS+photometer	PACS-166	Dieter Lutz	
Photometer point-source sensitivity at different scanspeeds	3	PACS	Calibration			Photometer	PICC-ME-TN-032	11/09/2009, v1.0	https://www.cosmos.esa.int/documents/12133/996891/A+quick+comparison+of+photometer+point+source+sensitivity+at+scanspeeds+10-20-60+arcsec+per+sec	PACS-167	Dieter Lutz	
Photometery red channel cross-talk	3	PACS	Instrument			Photometer	PICC-NHSC-TR-023	15/09/2009, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Photometer+Red+Channel+Cross-Talk	PACS-168	Babar Ali	
MADmap processing	3	PACS	Data processing			Photometer	PICC-NHSC-TR-024	21/09/2009, v0.1	https://www.cosmos.esa.int/documents/12133/996891/Summary+of+MADmap+processing+on+PACS+bolometer+data+GP-field+blue+filter	PACS-169	Babar Ali	
Photometer SPG during CP	3	PACS	Instrument			Photometer	SAp-PACS-KO-77	05/07/2009, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Commissioning+Phase+FFT-SPT+report+Photometer+SPT+during+Commissioning+Phase	PACS-170	Koryo Okumura	
Pacs FM (ILT, IST, TVTB, CoP) Short Performance Test: PACS Setup of Photometry	3	PACS	Instrument			Photometer	Pacs FM (ILT, IST, TVTB, CoP) Short Performance Test: PACS Setup of Photometry	07/07/2009, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Setup+of+Photometry	PACS-171	Thomas Mueller	
Pacs FM (ILT, IST, TVTB, CoP) Short Performance Test: 518 Test of internal calibration recipes in photometry	3	PACS	Instrument			Photometer	Pacs FM (ILT, IST, TVTB, CoP) Short Performance Test: 518 Test of internal calibration recipes in photometry	07/07/2009, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Test+of+internal+calibration+recipes+in+photometry	PACS-172	Thomas Mueller	
Pacs FM (ILT, IST, TVTB, CoP) Full Functional Test: 413 Thermal Behaviour in Photometry	3	PACS	Instrument			Photometer	Pacs FM (ILT, IST, TVTB, CoP) Full Functional Test: 413 Thermal Behaviour in Photometry	03/07/2009, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Thermal+Behaviour+in+Photometry	PACS-173	Thomas Mueller	
Pacs FM (ILT, IST, TVTB, CoP) Full Functional Test: 405 Thermal Behaviour in Spectroscopy	3	PACS	Instrument			Spectrometer	Pacs FM (ILT, IST, TVTB, CoP) Full Functional Test: 405 Thermal Behaviour in Spectroscopy	03/07/2009, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Thermal+Behaviour+in+Spectroscopy	PACS-174	Thomas Mueller	
Pacs FM (ILT, IST, TVTB, CoP) Short Performance Test: 524 Test Pattern Photometry	3	PACS	Instrument			Photometer	Pacs FM (ILT, IST, TVTB, CoP) Short Performance Test: 524 Test Pattern Photometry	25/06/2009, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Test+Pattern+Photometry	PACS-175	Thomas Mueller	
Full Functional Test and Short Performance Test cooler report	3	PACS	Instrument			Bolometers	SAp-PACS-MS-0704-09	14/06/2009, v1.1	https://www.cosmos.esa.int/documents/12133/996891/Full+Functional+Test+and+Short+Performance+Test+cooler+report	PACS-178	Marc Sauvage	
PACS Test analysis reports FM-ILT Part I	3	PACS	Instrument			Bolometers	PICC-ME-TR-006	25/01/2008, v0.1	https://www.cosmos.esa.int/documents/12133/996891/PACS+Test+Analysis+Report+FM-ILT+-+Part+I	PACS-179	PACS ICC	
PACS Test analysis reports FM-ILT Part II	3	PACS	Instrument			Bolometers	PICC-ME-TR-006	12/11/2007, v0.1	https://www.cosmos.esa.int/documents/12133/996891/PACS+Test+Analysis+Report+FM-ILT+-+Part+II	PACS-180	PACS ICC	
PACS Test analysis reports FM-ILT Part III	3	PACS	Instrument			Bolometers	PICC-ME-TR-006	12/11/2007, v0.1	https://www.cosmos.esa.int/documents/12133/996891/PACS+Test+Analysis+Report+FM-ILT+-+Part+III	PACS-181	PACS ICC	
Linearity of detector ramps during ILT	3	PACS	Instrument			Spectrometer	PICC-MA-TR-045	11/05/2009, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Linearity+of+detector+ramps+during+FM-ILT	PACS-182	J. Bouwman, Ulrich Klaas, J. Schreiber, H. Dannerbauer, Markus Nielbock	
Comparison between photProject and MOPEX	3	PACS	Data processing			Photometer	PICC-NHSC-TR-020	28/08/2009, v1.1	https://www.cosmos.esa.int/documents/12133/996891/PACS+PhotProject+vs+MOPEX+Mapping	PACS-183	D. Frayer	
Noise characteristics of detector ramps during ILT	3	PACS	Instrument			Spectrometer	PICC-MA-TR-044	08/05/2009, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Noise+characteristics+of+detector+ramps+during+ILT	PACS-184	J. Bouwman, Ulrich Klaas, J. Schreiber, H. Dannerbauer, Markus Nielbock	
Basic Drive Parameters of PACS FM1 Chopper from FM ILT measurements at Room Temperature	3	PACS	instrument			Bolometers	PICC-MA-TR-034	19/09/2007, v2.0	https://www.cosmos.esa.int/documents/12133/996891/Basic+Drive+Parameters+of+PACS+FM1+Chopper+Specific+Torque	PACS-186	Markus Nielbock, Ulrich Klaas, J. Schreiber, H. Dannerbauer, JB	
IMTS11: Internal Calibration Sources Performances during cold FM ILT/IST	3	PACS	instrument			Bolometers	PICC-MA-TR-032	26/10/2007, v1.1	https://www.cosmos.esa.int/documents/12133/996891/Internal+Calibration+Sources+Performance+during+cold+FM+ILT-IST	PACS-187	H. Dannerbauer, Ulrich Klaas, J. Schreiber & Koryo Okumura	
Summary of Warm and Cold Short Functional Tests of PACS FS Chopper during FM ILT	3	PACS	Instrument			Bolometers	PICC-MA-TR-018	05/03/2007, v1.1	https://www.cosmos.esa.int/documents/12133/996891/Summary+of+Warm+and+Cold+Short+Functional+Tests+of+PACS+FS+Chopper+during+FM+ILT	PACS-188	Markus Nielbock, H. Dannerbauer, Ulrich Klaas, J. Schreiber	
Analysis of Warm Short Functional Tests (WSFT) of the PACS Chopper on Integrated System Level	3	PACS	instrument			Bolometers	PICC-MA-TR-042	20/02/2008, v1.2	https://www.cosmos.esa.int/documents/12133/996891/Chopper+ISL+WSFT+Analysis+Report+Analysis+of+Warm+Short+Functional+Tests+of+the+PACS+Chopper+on+Integrated+System+Level	PACS-189	Markus Nielbock, Ulrich Klaas, J. Bouwman, H. Dannerbauer, J. Schreiber	
Dynamic Range per Selected Integration Capacitor Reset and Saturation Levels of Ge:Ga Detector Ramps	3	PACS	Instrument			Bolometers	PICC-MA-TR-043	06/05/2008, v1.1	https://www.cosmos.esa.int/documents/12133/996891/Dynamic+Range+per+Selected+Integration+Capacitor+Reset+and+Saturation+Levels+of+GeGa+Detector+Ramps	PACS-190	Ulrich Klaas, Joris Bloemmaert, J. Schreiber, Csaba Kiss, Atila Moor, H. Dannerbauer, Markus Nielbock	
FM ILT3 Spectrometer Spatial Calibration	3	PACS	Calibration			Spectrometer	PACS Test Analysis Report FM-ILT	21/12/2007, x.x	https://www.cosmos.esa.int/documents/12133/996891/FM-ILT3+Spectrometer+Spatial+Calibration	PACS-191	Alessandra Contursi	
OGSE Spots Observed from FOV Chopper Scans	3	PACS	Instrument			Bolometers	PICC-NHSC-TR-010	12/12/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996891/OGSE+Spots+Observed+from+FOV+Chopper+Scans	PACS-192	D. Frayer, Babar Ali, Dario Fadda, Phil Appleton	
CRE check-out voltage test during ILT	3	PACS	Instrument			Spectrometer	PICC-MA-TR-025	06/05/2008, v1.3	https://www.cosmos.esa.int/documents/12133/996891/CRE+check-out+voltage+test+during+ILT	PACS-193	J. Bouwman, Ulrich Klaas, J. Schreiber, H. Dannerbauer, Markus Nielbock	
Cooler behavior during FM ILT	3	PACS	Instrument			Bolometers	Sap-PACS-MS-0669-07	30/11/2007, v2.0	https://www.cosmos.esa.int/documents/12133/996891/Cooler+behavior+during+FM+ILT	PACS-194	Marc Sauvage	
Functional and performance test of PACS internal calibration sources during cold FMILT	3	PACS	Instrument			Photometer	PICC-MA-TR-033	05/11/2007, v1.1	https://www.cosmos.esa.int/documents/12133/996891/Functional+and+Performance+Test+of+PACS+Internal+Calibration+Sources+during+cold+FM+ILT	PACS-195	H. Dannerbauer, Ulrich Klaas, Joris Bloemmaert, Markus Nielbock & J. Schreiber	
IMTS11: Internal Calibration Sources Performances during cold FM ILT/IST	3	PACS	Instrument			Bolometers	PICC-MA-TR-032	26/10/2007, v1.1	https://www.cosmos.esa.int/documents/12133/996891/Internal+Calibration+Sources+Performances+during+cold+FM+ILT-IST	PACS-196	H. Dannerbauer, Ulrich Klaas, Joris Bloemmaert, Markus Nielbock & J. Schreiber	
Chopper Synchronous Operation with Ge:Ga Detectors	3	PACS	Instrument			Bolometers	PICC-MA-TR-041	26/10/2007, v1.1	https://www.cosmos.esa.int/documents/12133/996891/Chopper+Synchronous+Operation+with+GeGa+Detectors	PACS-197	J. Schreiber,Ulrich Klaas, H. Dannerbauer, Markus Nielbock, J. Bouwman	
IMT 504 Chopper Performance Test during cold FM-ILT/IST	3	PACS	Instrument			Bolometers	PICC-MA-TR-031	25/09/2007, v1.1	https://www.cosmos.esa.int/documents/12133/996891/IMT+504+Chopper+Performance+Test+during+cold+FM-ILT+IST	PACS-198	J. Bouwman, Ulrich Klaas, Markus Nielbock, H. Dannerbauer, J. Schreiber	
Bolometer Spatial calibration	3	PACS	Instrument			Photometer	Bol Spatial Cal	25/10/2007, v0.0	https://www.cosmos.esa.int/documents/12133/996891/Bolometer+Spatial+Calibration+B	PACS-199	Dieter Lutz & Paola Popesso	
Optimum Detector Bias Settings for Ge:Ga Detectors, Time Constant:Bias Change Spectrometer from FM-ILT/IST	3	PACS	Instrument			Spectrometer	PICC-MA-TR-27	01/06/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Optimum+detector+bias+settings+for+GeGa+detectors	PACS-200	J. Schreiber, Ulrich Klaas, H. Dannerbauer, Markus Nielbock, J. Bouwman	
Dark current of Ge:Ga detectors from FMILT	3	PACS	Instrument			Spectrometer	PICC-MA-TR-029	25/09/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Dark+Current+of+GeGa+detectors+from+FM-ILT	PACS-201	J. Schreiber, Ulrich Klaas, H. Dannerbauer, Markus Nielbock, J. Bouwman	
IMT 504 Chopper Performance Test during cold FM-ILT/IST	3	PACS	Instrument			Bolometers	PICC-MA-TR-033	25/09/2007, v1.1	https://www.cosmos.esa.int/documents/12133/996891/IMT+504+Chopper+Performance+Test+during+cold+FM-ILT-IST	PACS-202	J. Bouwman, Ulrich Klaas, Markus Nielbock, H. Dannerbauer, J. Schreiber	
Switch-On Bolometer Current Stability	3	PACS	Instrument			Photometer	PICC-NHSC-TR-006	04/09/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996891/FM-ILT+Switch-On+Bolometer+Current+Stability	PACS-203	D. Frayer, Marc Sauvage, Koryo Okumura, Babar Ali	
Bolometer FOV Chopper Scans	3	PACS	Instrument			Photometer	PICC-NHSC-TR-002	04/09/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Bolometer+Field+of+View+Chopper+Scans	PACS-204	Babar Ali, D. Frayer, Phil Appleton, JJ	
Spectrometer NEP during FM-ILT3	3	PACS	Instrument			Spectrometer	PICC-NHSC-TR-008	12/09/2007, v0.0	https://www.cosmos.esa.int/documents/12133/996891/Spectrometer+NEP+during+FM-ILT3	PACS-205	D. Frayer, Phil Appleton	
Dark Current of Ge:Ga Detectors from FM-ILT/IST	3	PACS	Instrument			Spectrometer	PICC-MA-TR-026	20/08/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Dark+Current+of+GeGa+detectors+from+FM-ILT+IST	PACS-207	J. Schreiber, Ulrich Klaas, H. Dannerbauer, Markus Nielbock, J. Bouwman	
Spectrometer Field of View Scan during FM-ILT/IST	3	PACS	Instrument			Spectrometer	PICC-MA-TR-028	04/10/2007, v1.1	https://www.cosmos.esa.int/documents/12133/996891/Spectrometer+Field+of+View+Scan+during+FM-ILT-IST	PACS-208	J. Schreiber, Ulrich Klaas, H. Dannerbauer, Markus Nielbock, J. Bouwman	
Basic Drive Parameters of PACS FS Chopper, Specific Torque,Open Loop Oscillation Frequency & Damping	3	PACS	Instrument			Bolometers	PICC-MA-TR-013	01/08/2007, v2.0	https://www.cosmos.esa.int/documents/12133/996891/Basic+Drive+Parameters+of+PACS+FS+Chopper+Specific+Torque	PACS-209	Ulrich Klaas, J. Schreiber, Markus Nielbock, H. Dannerbauer, Joris Bloemmaert	
Angular Calibration and Zero Point Offset Determination of PACS FS Chopper at He II	3	PACS	Instrument			Bolometers	PICC-MA-TR-009	01/08/2007, v2.0	https://www.cosmos.esa.int/documents/12133/996891/Angular+Calibration+and+Zero+Point+Offset+Determination+of+PACS+FS+Chopper+for+cold+conditions	PACS-210	Ulrich Klaas, J. Schreiber, Markus Nielbock, H. Dannerbauer, Joris Bloemmaert	
Basic Drive Parameters of PACS FM1 Chopper, Specific Torque, Open Loop Oscillation Frequency and Damping Hell	3	PACS	Instrument			Bolometers	PICC-MA-TR-021	30/07/2007, v1.2	https://www.cosmos.esa.int/documents/12133/996891/Chopper+Specific+Torque+Open+Loop+Oscillation+Frequency+and+Damping+from+FM+ILT+measurements+at+liquid+helium+conditions	PACS-211	Markus Nielbock, Ulrich Klaas, J. Schreiber, H. Dannerbauer, JB	
Performance of the DDCS mode with an alternate sequencer	3	PACS	Instrument			Photometer	Sap-PACS-MS-0662-07	26/07/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Performance+of+the+DDCS+mode+with+an+alternate+sequencer	PACS-213	Marc Sauvage, Koryo Okumura	
Thermal Behaviour Tests During FM-ILT: SPEC & PHOT	3	PACS	Instrument			Bolometers	PICC-ME-TR-002	24/07/2007, v1.2	https://www.cosmos.esa.int/documents/12133/996891/Thermal+Behaviour+Tests+During+FM-ILT+-+SPEC+%26+PHOT	PACS-214	Thomas Mueller	
Bolometer Spatial Calibration	3	PACS	Instrument			Photometer	PACS Test Analysis Report FM-ILT Bol Spatial Cal	03/07/2007, v0.0	https://www.cosmos.esa.int/documents/12133/996891/Bolometer+Spatial+Calibration	PACS-215	Dieter Lutz	
Angular Calibration and Zero Point Offset Determination of PACS FM1 Chopper	3	PACS	Instrument			Bolometers	PICC-MA-TR-020	03/07/2007, v1.2	https://www.cosmos.esa.int/documents/12133/996891/Chopper+Angular+Calibration+for+FM-ILT+Angular+Calibration+and+Zero+Point+Offset+Determination	PACS-216	Markus Nielbock,Ulrich Klaas,J. Bouwman,H. Dannerbauer,J. Schreiber	
FM-ILT 2 Spectrometer Spatial Calibration	3	PACS	Instrument			Spectrometer	FM-ILT 2 Spectrometer Spatial Calibration	06/06/2007, v0.1	https://www.cosmos.esa.int/documents/12133/996891/FM-ILT+Spectrometer+Spatial+Calibration	PACS-217	Alessandra Contursi	

Some plots from March 2007 tests related to bolometer PSF	3	PACS	Instrument			Photometer	PICC-ME-TN-020	03/05/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Some+plots+from+March+2007+tests+related+to+bolometer+PSF	PACS-218	Dieter Lutz	
DEC/MEC Housekeeping Calibration Report	3	PACS	Instrument			Bolometers	PACS-CL-RP-041	04/04/2007, v1.11	https://www.cosmos.esa.int/documents/12133/996891/DEC-MEC+Housekeeping+calibration+report	PACS-219	JM Gillis, A Mazy, E Callut, E Renotte	
Switch-on bolometer current stability	3	PACS	Instrument			Spectrometer	PICC-NHSC	23/03/2007, v0.9	https://www.cosmos.esa.int/documents/12133/996891/Switch-On+Bolometer+Current+Stability	PACS-220	D. Frayer, Marc Sauvage, Koryo Okumura, Babar Ali	
Thermal Behaviour Tests During FM-ILT: SPEC & PHOT	3	PACS	Instrument			Bolometers	PICC-ME-TR-002	21/03/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Thermal+Behaviour+Tests+During+FM-ILT+-+SPEC+%26+PHOT	PACS-221	Thomas Mueller	
Angular Calibration and Zero Point Offset FM1 Chopper Hell	3	PACS	Instrument			Bolometers	PICC-MA-TR-021	09/03/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Angular+Calibration+and+Zero+Point+Offset+Determination+of+PACS+FM1+Chopper+for+cold+conditions	PACS-222	Markus Nielbock, Ulrich Klaas, H. Dannerbauer, J. Schreiber	
Wavelength Calibration of FM ILT Phase 1	3	PACS	Instrument			Spectrometer	Calibration Analysis Report PTD 4.2.1	12/02/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Wavelength+calibration+of+the+PACS+spectrometer	PACS-223	Helmut Feuchtgruber	
Basic bias and non-linearity	3	PACS	Instrument			Photometer	PACS Test Analysis Report FM-ILT Req. 1.1.0 Vrl and VHBlind calibration FM ILT report	17/01/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996743/Vrl+and+VHBlind+calibration	PACS-224	Nicolas Billot, Koryo Okumura	
Bolometer FOV Chopper Scans	3	PACS	Instrument			Photometer	PICC-NHSC-TR-002	10/01/2007, v0.9	https://www.cosmos.esa.int/documents/12133/996891/Bolometer+FOV+Chopper+Scans	PACS-225	Frayer, Ali, Fadda, Appleton, & Jacobson	
Functional and Performance Tests of Mechanisms (Grating, Flasher, Heater, Filter Wheels)	3	PACS	Instrument			Spectrometer	PACS Test Analysis Report FM-ILT	09/01/2007, vx.x	https://www.cosmos.esa.int/documents/12133/996891/Filter+Wheels+Warm+Short+Functional+Test	PACS-226	Pierre Royer	
Emissivity of PACS calibration sources	3	PACS	Instrument			Photometer	PACS-NHSC-TR-003	28/01/2007, v0.0	https://www.cosmos.esa.int/documents/12133/996891/Emissivity+of+PACS+calibration+sources	PACS-227	D. Frayer	
SFT (Hel conditions) of the Chopper and Internal Calibration Sources	3	PACS	Instrument			Bolometers	PICC-MA-TR-011	16/01/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Cold+Short+Functional+Test+of+PACS+Chopper+and+PACS+Internal+Calibration+Sources+during+FM+ILT	PACS-228	H. Dannerbauer, Ulrich Klaas, Joris Bloemmaert, Markus Nielbock & J. Schreiber	
Open Loop Measurements of Chopper (FS model) at Room Temperature	3	PACS	Instrument			Bolometers	PICC-MA-TR-017	09/01/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Basic+Drive+Parameters+of+PACS+FM+Chopper+-+FS+model	PACS-229	Ulrich Klaas, J. Schreiber, H. Dannerbauer, Markus Nielbock	
Report on the FM ILT PhFPU functional tests	3	PACS	Instrument			Photometer	Sap-PACS-MS-0652-06	01/12/2006, v4.0	https://www.cosmos.esa.int/documents/12133/996891/Report+on+the+FM+ILT+PhFPU+functional+tests	PACS-230	Marc Sauvage	
Are the three modes (Sbolo only, Sref only, Sbolo-Sref) correctly interpreted?	3	PACS	Instrument			Photometer	Sap-PACS-MS-06560-06	08/12/2006, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Making+sense+of+signal+sense	PACS-231	Marc Sauvage	
Further Investigations of Chopper Angle vs. Current, and Specific Torque Behaviour	3	PACS	Instrument			Bolometers	PICC-MA-TR-014	27/11/2006, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Further+Investigation+of+PACS+Chopper+Angle+versus+Current+Relation+%2F+Specific+Torque+Behaviour	PACS-232	Ulrich Klaas, J. Schreiber, H. Dannerbauer	
Basic Drive Parameters Chopper Specific Torque, Open Loop Oscillation, Frequency, and Damping	3	PACS	Instrument			Bolometers	PICC-MA-TR-013	24/11/2006, v1.3	https://www.cosmos.esa.int/documents/12133/996891/Basic+Drive+Parameters+of+PACS+FM+Chopper+Specific+Torque+Open+Loop+Oscillation+Frequency+and+Damping	PACS-233	Ulrich Klaas, J. Schreiber, H. Dannerbauer	
Angular Calibration of Chopper	3	PACS	Instrument			Bolometers	PICC-MA-TR-009	29/11/2006, v1.5	https://www.cosmos.esa.int/documents/12133/996891/Angular+Calibration+of+PACS+FM+Chopper+for+FM+ILT	PACS-234	Ulrich Klaas, J. Schreiber, H. Dannerbauer	
Special Investigation Chopper Angle vs. Current, Specific Torque, and Open Loop Behaviour	3	PACS	Instrument			Bolometers	PICC-MA-TR-015	30/11/2006, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Special+Investigation+of+PACS+Chopper+Angle+versus+Current+Relation	PACS-235	Ulrich Klaas, J. Schreiber, H. Dannerbauer	
SFT Warm Chopper and Internal Calibration Sources	3	PACS	Instrument			Bolometers	PICC-MA-TR-010	21/11/2006, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Warm+Short+Functional+Test+of+PACS+Chopper+and+PACS+Internal+Calibration+Sources+during+FM+ILT	PACS-236	H. Dannerbauer, Ulrich Klaas, J. Schreiber	
OGSE Characterisation during CQM/FM ILT	3	PACS	Instrument			Bolometers	PICC-ME-TR-005	06/11/2006, v1.0	https://www.cosmos.esa.int/documents/12133/996891/OGSE+Characterisation+During+CQM-FM-ILT	PACS-237	T. G. Muller	
Asteroid Calibration Quality Information for COP and Early PV	3	PACS	Calibration				Asteroid Calibration Quality Information for COP and Early PV	08/05/2009, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Asteroid+Calibration+Quality+Information+for+COP+and+Early+PV	PACS-238	Thomas Müller	
FM Proton Irradiation Tests High & Low Stress Modules I - Glitch Effects & Curing	3	PACS	Calibration	Detector		Spectrometer	PICC-KL-TN-022	11/01/2006, v1.0	https://www.cosmos.esa.int/documents/12133/996891/FM+Proton+irradiation+Tests+High+%26+Low+Stress+Modules+I++-+Glitch+Effects+%26+Curing	PACS-239	P.Royer	
FM Proton Irradiation Tests High and Low Stress Modules II - Noise evolution Curing frequency and Detector settings	3	PACS	Calibration	Detector		Spectrometer	PICC-KL-TN-023	20/04/2006, v0.5	https://www.cosmos.esa.int/documents/12133/996891/FM+Proton+irradiation+Tests+High+and+Low+Stress+Modules+II+-+Noise+evolution+Curing+frequency+and+Detector+settings	PACS-240	P.Royer	
Simulations and analysis of PACS Spectrometer Ramps under irradiation conditions - impact on science goals and AOT design	3	PACS	Calibration	Detector		Spectrometer	PICC-KL-TN-025	28/07/2006, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Simulations+and+analysis+of+PACS+Spectrometer+Ramps+under+irradiation+conditions+-+impact+on+science+goals+and+AOT+design	PACS-242	Martin Groenewegen	
Geant4 Simulations of GeGa module behaviour under Proton Irradiation	3	PACS	Calibration	Detector		Spectrometer	PICC-TS-SIM-002	07/06/2005, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Geant4+Simulations+of+GeGa+module+behaviour+under+Proton+Irradiation	PACS-245	Christian Bongardo & Paola Andreani	
Test Plan and Procedure for Investigation of Glitch Event Rate and Collected Charge Variation in the Ge:Ga Detectors during Proton Irradiation at UCL-CRC	3	PACS	Calibration	Detector		Spectrometer	PACS-ME-TP-009a	10/03/2004, v1.2	https://www.cosmos.esa.int/documents/12133/996891/Test+Plan+and+Procedure+for+Investigation+of+Glitch+Event+Rate	PACS-246	R. Katterloher, L. Barl, J. Schubert	
Test Plan and Procedure for Investigation of Glitch Event Rate and Collected Charge Variation in the Ge:Ga Detectors during Proton Irradiation at UCL-CRC (3rd test phase)	3	PACS	Calibration	Detector		Spectrometer	PACS-ME-TP-009b	02/10/2005, v3.1	https://www.cosmos.esa.int/documents/12133/996891/Test+Plan+and+Procedure+for+Investigation+of+Glitch+Event+Rate+III	PACS-247	R. Katterloher, L. Barl, J. Schubert	
Cold Performance Tests on FM High Stress GeGa-Detector Modules	3	PACS	Calibration	Detector		Spectrometer	PACS-ME-TR-063	10/08/2006, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Cold+Performance+Tests+on+FM+High+Stress+GeGa-Detector+Modules	PACS-248	L. Barl	
Fitting PACS ramps with analytical models Part III The IMEC model	3	PACS	Calibration	Detector		Spectrometer	PICC-KL-TN-010	27/05/2005, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Fitting+PACS+ramps+with+analytical+models+Part+III+The+IMEC+model	PACS-249	Martin Groenewegen	
Analysis of the April 2005 proton test data	3	PACS	Calibration	Detector		Spectrometer	PICC-KL-TN-020	03/04/2006, v2.0	https://www.cosmos.esa.int/documents/12133/996891/Analysis+of+the+April+2005+proton+test+data	PACS-250	Martin Groenewegen & Pierre Royer	
Stressed Ge:Ga Detector Arrays for PACS and FIFI LS	3	PACS	Instrument	Detector		Spectrometer	Far-IR, Sub-mm & MM Detector Technology Workshop, held 1-3 April 2002 in Monterey, CA. Organized and Sponsored by NASA/Ames & USRA/SOFIA, Id9	2002	https://www.cosmos.esa.int/documents/12133/996891/STRESSED+GE-GA+DETECTOR+ARRAYS+FOR+PACS+AND+FIFI+LS	PACS-251	Rosenthal. D. et al.	
AOT RELATED ASPECTS FOR THE PACS SPECTROMETER	3	PACS	Instrument	Pre-flight testing	AOT design	Spectrometer	PICC-ME-SD-004	30/06/2005, v1.1	https://www.cosmos.esa.int/documents/12133/996891/AOT+RELATED+ASPECTS+FOR+THE+PACS+SPECTROMETER	PACS-255	T. G. Muller	
Fitting PACS ramps with analytical models. Part I	3	PACS	Calibration	Detector	PreFlight/GeGa tests/ramps	Spectrometer	PICC-KL-TN-007	18/02/2004, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Fitting+PACS+ramps+with+analytical+models.+Part+I	PACS-256	Martin Groenewegen	
Fitting PACS ramps with analytical models. Part II	3	PACS	Calibration	Detector	PreFlight/GeGa tests/ramps	Spectrometer	PICC-KL-TN-009	07/06/2004, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Fitting+PACS+ramps+with+analytical+models.+Part+II	PACS-257	Martin Groenewegen	
Measuring the beams: wings	3	PACS	Calibration	Beams		Photometer	PACS ICC presentation	2015, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Beam_wings	PACS-258	A. Poglitsch	
Transient Investigation Monochromatic trends	3	PACS	Instrument	Chopper		Spectrometer	PACS ICC presentation	2013, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Transient+Investigation+Monochromatic+trends	PACS-259	Alessandra Contursi	
Evolution of Telescope Background with Time by OD	3	PACS	Calibration	Background		Spectrometer	PACS ICC presentation	2014, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Evolution+of+Telescope+Background+with+Time+by+OD	PACS-260	A. Poglitsch	
Evolution of Telescope Background with Time by OD - comparison with test model	3	PACS	Calibration	Background		Spectrometer	PACS ICC presentation	2014, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Evolution+of+Telescope+Background+with+Time+by+OD+-+comparison+with+test+model	PACS-261	A. Poglitsch	
Linearity of the spectrometer signal - high flux calibration sources	3	PACS	Calibration			Spectrometer	Spectrometer pipeline meeting, MPE, Garching	November 2013, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Linearity+of+the+spectrometer+signal+-+high+flux+calibration+sources	PACS-263	Christophe Jean	
specBaselineEstmator and specFlatFieldRange2	3	PACS	Data processing			Spectrometer	ICC meeting #42	23/04/2013, v1.0	https://www.cosmos.esa.int/documents/12133/996891/specBaselineEstmator+and+specFlatFieldRange2	PACS-264	Roland Vavrek	
First Summary of Neptune Beam Measurements	3	PACS	Calibration	Beams		Spectrometer	ICC presentation, 2012, A.Poglitsch	2012, v1.0	https://www.cosmos.esa.int/documents/12133/996891/First+Summary+of+Neptune+Beam+Measurements	PACS-265	A. Poglitsch	
Test Plan and Procedure for Detector Spectral Measurements at LENS	3	PACS	Calibration	Pre-flight testing	Wavelength	Spectrometer	PACS-ME-TP-002	24/01/2001, v0.1	https://www.cosmos.esa.int/documents/12133/996891/Test+Plan+and+Procedure+for+Detector+Spectral+Measurements+at+LENS	PACS-266	R. Katterloher	
PACS Spectrometer simulated flux modulation by pointing jitter	3	PACS	Calibration			Spectrometer	Presentation	23/01/2012, v0.1	https://www.cosmos.esa.int/documents/12133/996891/PACS+Spectrometer+simulated+flux+modulation+by+pointing+jitter	PACS-267	Roland Vavrek	
PACS Spectrometer response estimates from unchopped OFF-position scans	3	PACS	Calibration			Spectrometer	PACS spectrometer pipeline & calibration meeting	06/02/2013, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Spectrometer+response+estimates+from+unchopped+OFF-position+scans	PACS-268	Roland Vavrek	
Spectrometer Wavelength Calibration	3	PACS	Calibration	Wavelength		Spectrometer	PACS RP Readiness Review	18/02/2010, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Spectrometer+Wavelength+Calibration	PACS-269	Helmut Feuchtgruber	
Technical Note on Cube Interpolation Validation	3	PACS	Data processing			Spectrometer	Technical Note	26/11/2014, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Technical+Note+on+Cube+Interpolation+Validation	PACS-270	Elena Puga	
PACS-S SpecInterpolate Validation and Testing	3	PACS	Data processing			Spectrometer	HERSCHEL Science Operations Coordinating Group Presentation	01/12/2014, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS-S+SpecInterpolate+Validation+and+Testing	PACS-271	Elena Puga, B. Vandenbussche, P. Royer & J. de Jong	
PACS Spectrometer RSRF reconstruction from unchopped OFF-position scan	3	PACS	Calibration			Spectrometer	Presentation	31/07/2012, v0.1	https://www.cosmos.esa.int/documents/12133/996891/PACS+Spectrometer+RSRF+reconstruction+from+unchopped+OFF-position+scans	PACS-275	Roland Vavrek	
The derivation of the PACS spec beams from raster calibration observations	3	PACS	Calibration	Beams		Spectrometer	Presentation to PACS ICC	April 2011, v1.0	https://www.cosmos.esa.int/documents/12133/996891/The+derivation+of+the+PACS+spec+beams+from+raster+calibration+observations	PACS-276	PACS ICC	

PACS spectrometer spatial calibration	3	PACS	Calibration	Beams	Beams, focal plane geometry	Spectrometer	Herschel Calibration workshop presentation	18/01/2012, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+SPECTROMETER+SPATIAL+CALIBRATION	PACS-277	Alessandra Contursi	
Guide to using the AOT table for PACS spectroscopy: ReadMe	3	PACS	Data products			Spectrometer	HERSCHEL-HSC-DOC-2192	06/06/2017, v1.0		PACS-278	Katrina Exter	
Guide to using the AOT table for PACS spectroscopy: Metadata table (Excel)	3	PACS	Data products			Spectrometer	HERSCHEL-HSC-DOC-2193	06/06/2017, v1.0		PACS-279	Katrina Exter	
Guide to using the AOT table for PACS spectroscopy: Metadata table (CSV)	3	PACS	Data products			Spectrometer	HERSCHEL-HSC-DOC-2194	06/06/2017, v1.0		PACS-280	Katrina Exter	
Guide to using the AOT table for PACS spectroscopy: tarball	3	PACS	Data products			Spectrometer	HERSCHEL-HSC-DOC-2195	06/06/2017, v1.0		PACS-281	Katrina Exter	
Least Squares Image Estimation for Large Data in the Presence of Noise and Irregular Sampling	3	PACS	Data processing	Mappers		Photometer	IEEE TRANSACTIONS ON IMAGE PROCESSING, VOL. 26, NO. 11, NOVEMBER 2017, 5232	2017		PACS-287	Lorenzo Piazzo	
PACS spectroscopy chop/nod FPG verification from line scan maps OD 150-373	3	PACS	Calibration			Spectrometer	PICC-KL-TN-043	31/05/2010, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+spectroscopy+chop-nod+FPG+verification+from+line+scan+maps+OD+135-373	PACS-312	Bart Vandenbussche	
Analysis of the December 2006 proton test data on the high-stress module and the 2006 cold performance tests on the high-stress module	3	PACS	Calibration	Detector		Spectrometer	PICC-KL-TN-027	18/05/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Analysis+of+the+December+2006+proton+test+data	PACS-313	Martin Groenewegen	
Geant4 Simulations of GeGa module behaviour under Proton Irradiation. II part - Tests of April 2005	3	PACS	Calibration	Detector		Spectrometer	PICC-TS-SIM-005	05/01/2006, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Geant4+Simulations+of+GeGa+module+behaviour+under+Proton+irradiation..II+part+-+Tests+of+April+2005	PACS-314	Christian Bongardo & Paola Andreani	
PACS Pointing Calibration Sources	3	PACS	Calibration	Pointing		Bolometers	PICC-MA-TN-003	26/02/2010, v1.5		PACS-315	M. Nielbock, B. Ali, B. Altieri, J. Blommaert, H. Dannerbauer, M. Groenewegen, U. Klaas & D. Lutz	
Analysis of the October 2005 proton test data on the low-stress module	3	PACS	Calibration	Detector		Spectrometer	PICC-KL-TN-024	03/04/2006, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Analysis+of+the+October+2005+proton+test+data+on+the+low-stress+module	PACS-316	Martin Groenewegen	
PACS photometer calibration block analysis	3	PACS	Data processing	Data Reduction		Photometer	Exp Astron (2014) 37: 225	01/07/2014		PACS-320	A. Moór, T. G. Müller, Ç. Kiss, Z. Balog, N. Billot & G. Marton	
Herschel/PACS modelled PSFs	3	PACS	Calibration	Beams		Photometer	PICC-ME-TN-029	03/08/2010, v2.0	https://www.cosmos.esa.int/documents/12133/996891/Herschel+-+PACS+modelled+point-spread+functions	PACS-37	N. Geis & D. Lutz	
The HERSCHEL/PACS Spectrometer Pipeline	3	PACS	Data processing	Data Reduction		Spectrometer	Astronomical Data Analysis Software and Systems XVIII ASP Conference Series, Vol. 411, proceedings of the conference held 2-5 November 2008 at Hotel Loews Le Concorde, Québec City, QC, Canada. Edited by David A. Bohlender, Daniel Durand, and Patrick Dowler	07/10/2010		PACS-52	J. Schrieber	
The Herschel PACS Pipeline Extensions: Making Tasks and Scripts Suitable for Interactive and Automatic Processing	3	PACS	Data processing	Data Reduction		Bolometers	ASP Conference Series, Vol. 461. Edited by P. Ballester, D. Egret, and N.P.F. Lorente. San Francisco: Astronomical Society of the Pacific, 2012., p.631	2012		PACS-54	de Jong, J. A.; Wieprecht, E.; Schreiber, J.; Huygen, R.; Wetzstein, M.; Royer, P.; Vandenbussche, B.; Exter, K.; Vavrek, R.; Gonzalez, B.; Diaz, J.; Bakker, J.; Sturm, E.	
Recording the History of Herschel Data Processing in the Data Products	3	PACS	Data processing	Data Reduction		Bolometers	Astronomical Data Analysis Software and Systems XX. ASP Conference Proceedings, Vol. 442, proceedings of a Conference held at Seaport World Trade Center, Boston, Massachusetts, USA on 7-11 November 2010. Edited by Ian N. Evans, Alberto Accomazzi, Douglas	2011		PACS-55	de Jong, J. A.; Huygen, R.; Bakker, J.; Wieprecht, E.; Vavrek, R.; Wetzstein, M.; Schreiber, J.; Sturm, E.; Ott, S.	
Transients correction for the unchopped mode	3	PACS	Data processing	Data Reduction	Interactive pipeline/unchopped	Spectrometer	Transients correction for unchopped mode (the latest ipipe)	01/01/2016		PACS-58	Dario Fadda, Jeffrey Jacobson, Phil Appleton	
Artefact removal for GLS map makers by means of post-processing	3	PACS	Data processing	Data Reduction	Mappers, Artifacts		IEEE Trans. on Image Processing, Vol. 21, Issue 8, pp. 3687-3696, 2012	2012		PACS-59	Piazzo, L. et al.	
Deglitching PACS Photometer Data	3	PACS	Data processing	Data Reduction		Photometer	Deglitching PACS Photometer Data	01/02/2011, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Deglitching+PACS+Photometer+Data	PACS-6	Nicolas Billot	
PACS Spectrometer flux calibration with the calibration blocks	3	PACS	Calibration	Flux Calibration		Spectrometer	PICC-KL-TN-047	25/08/2011	https://www.cosmos.esa.int/documents/12133/996891/PACS+Spectrometer+Calibration+Document+%28with+addendum%29	PACS-62	Christophe Jean, Pierre Royer, Bart Vandenbussche	
First results with the boloSource() algorithm: Photometry of faint standard stars observed by Herschel/PACS	3	PACS	Data processing	Data Reduction		Photometer	https://arxiv.org/abs/1310.5349	01/07/2014		PACS-63	Gábor Marton, Roland Vavrek, Csaba Kiss, Thomas G. Müller, A Moor et al.	
Unimap and flux calibration accuracy	3	PACS	Calibration	Flux Calibration	Data Reduction	Photometer	PICC-CR-TN-045	27/06/2013, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Unimap+and+the+PACS+flux+calibration	PACS-64	Stefano Pezzuto & Lorenzo Piazzo	
The Photodetector Array Camera and Spectrometer (PACS) for Herschel	3	PACS	Overview	General	PACS instrument	Bolometers	Space Telescopes and Instrumentation 2008: Optical, Infrared, and Millimeter. Edited by Oschmann, Jacobus M., Jr.; de Graauw, Matthews W. M.; MacEwen, Howard A. Proceedings of the SPIE, Volume 7010, article id. 701005, 12 pp. (2008)	2008		PACS-67	Poglitsch, Albrecht; Waelkens, Christoffel; Bauer, Otto H.; Cepa, Jordi; Feuchtgruber, Helmut; Henning, Thomas; van Hoof, Chris; Kerschbaum, Franz; Krause, Oliver; Renotte, Etienne; Rodriguez, Louis; Saraceno, Paolo; Vandenbussche, Bart	
The PACS Instrument	3	PACS	Overview	General	PACS instrument	Bolometers	EAS conference	2009	https://www.cosmos.esa.int/documents/12133/996891/The+PACS+instrument	PACS-68		
The PACS Instrument	3	PACS	Overview	General	PACS instrument	Bolometers	COSPAR conference	2010	https://www.cosmos.esa.int/documents/12133/996891/THE+HERSCHEL+PHOTODETECTOR+ARRAY+CAMERA+and+SPECTROMETER+%28PACS%29+-+DESIGN+AND+IN-FLIGHT+OPERATION+AND+SCIENTIFIC+PERFORMANCE	PACS-69	Poglitsch et al.	
Glitches and Herschel Bolometers	3	PACS	Instrument	InFlight	Bolometer	Photometer	RADECS 2011 Proceedings – [Abstract #5360]	28/09/2011, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Impacts+of+The+Radiation+Environment+At+L2+On+Bolometers+Onboard+The+Herschel+Space+Observatory	PACS-71	B. Horeau et al.,	
Glitch rates on GeGa detector	3	PACS	Instrument	InFlight	GeGa	Spectrometer	PACS ICC Meeting #36 7/8 Oct 2010	2010, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Radiation+Environment+and+Glitch+Rates+on+GeGa+detectors	PACS-72	Helmut Feuchtgruber	
Inverse time-time correlation noise calibration data	3	PACS	Data processing	Data Reduction		Photometer	PICC-NHSC-TR-022	11/09/2009, v1.1	https://www.cosmos.esa.int/documents/12133/996891/PACS+The+inverse+time-time+correlation+noise+%28InvNtt%29+Calibration+Files+and+Noise+Analysis	PACS-73	D. Frayer	
Simulations of the Point-Source AOT sensitivity	3	PACS	Calibration	Calibration		Photometer	SAp-PACS-MS-0711-09	05/10/2009, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Simulations+of+the+Point-Source+AOT+sensitivity	PACS-78	Marc Sauvage	
PACS homogeneous SED and Nyquist spectral sampling	3	PACS	Instrument	AOT/design		Spectrometer	PICC-KL-TN-040	25/02/2010, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+homogeneous+SED+and+Nyquist+spectral+sampling	PACS-79	Bart Vandenbussche & Pierre Royer	
Non-standard AORs for PACS photometer spatial calibration	3	PACS	Instrument	AOT/nonStnd		Photometer	PICC-ME-TN-028	13/11/2008, v0.9	https://www.cosmos.esa.int/documents/12133/996891/Non-Standard+AORs+for+PACS+photometer+spatial+calibration	PACS-80	Dieter Lutz & Vanessa Doublier	
PACS PV phase photometer point source AOT evaluation: Test case: HD 139669	3	PACS	Instrument	AOT/validation		Photometer	PICC-MA-TN-010	09/11/2009, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+PV+PHOT+Point+Source+AOT+-+HD139669	PACS-81	Markus Nielbock	
Photometer noise calibration file	3	PACS	Calibration	Bolometers	FluxCal, Noise	Photometer	PICC-ME-TN-030	05/05/2009, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+photometer+noise+calibration+file	PACS-84	E. Wieprecht, K. Okumura & D.Lutz	
Use of late type stars for PACS wavelength calibration	3	PACS	Calibration	Calibration	WaveCal	Spectrometer	PICC-ME-TN-013	13/10/2004, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Use+of+late+type+stars+for+PACS+wavelength+calibration	PACS-86	Dieter Lutz	
MMT deglitching in the presence of digitisation noise	3	PACS	Data processing	Data Reduction		Photometer	SAp-PACS-MS-0708-09	07/09/2009, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Multiresolution+Median+Transform+deglitching+in+the+presence+of+digitization+noise	PACS-87	Marc Sauvage	
What I understand, or don't, about back-projection	3	PACS	Data processing	Data Reduction	Mapper	Photometer	SAp-PACS-MS-0717-11	14/01/2011, v1.0	https://www.cosmos.esa.int/documents/12133/996891/What+I+understand+or+do+not+about+back-projection	PACS-88	Marc Sauvage	
MADMap extended source calibration I: The Blue Channel	3	PACS	Data processing	Data Reduction	Mappers, FluxCal	Photometer	PICC-NHSC-TR-030	01/11/2010, v1.0	https://www.cosmos.esa.int/documents/12133/996891/MADmap+extended+source+calibration+I+-+The+Blue+Channel	PACS-89	Babar Ali	
The bandwidth of the PACS photometric system	3	PACS	Calibration	Flux Calibration		Photometer	PICC-CR-TN-044	07/05/2013, v1.1	https://www.cosmos.esa.int/documents/12133/996891/The+bandwidth+of+the+PACS+photometric+system	PACS-90	Stefano Pezzuto	
Assessment analysis of the extended emission calibration for the PACS red channel	3	PACS	Calibration	Flux Calibration		Photometer	PICC-NHSC-TR-034	01/04/2012, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Assessment+analysis+of+the+extended+emission+calibration+for+the+PACS+red+channel	PACS-91	NHSC	
Experiments in photometric measurements of extended sources	3	PACS	Data processing	Flux Calibration		Photometer	SAp-PACS-MS-0718-11	18/03/2011, v0.1	https://www.cosmos.esa.int/documents/12133/996891/Experiments+in+photometric+measurements+of+extended+sources	PACS-92	Marc Sauvage	
Surface brightness comparison of PACS blue array with IRAS and Spitzer/MIPS images	3	PACS	Calibration	Flux Calibration		Photometer	PICC-NHSC-TN-029	12/04/2011, v1.01	https://www.cosmos.esa.int/documents/12133/996891/Extended+Source+Photometry+Surface+brightness+comparison+of+PACS+blue+array+with+IRAS+and+Spitzer-MIPS+images	PACS-93	Babar Ali	
PACS Photometer: Point source flux calibration	3	PACS	Calibration	Flux Calibration		Photometer	PICC-ME-TN-037	12/04/2011, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Photometer+-+Point-Source+Flux+Calibration	PACS-94	Thomas Mueller, Markus Nielbock, Zoltan Balog, Ulrich Klaas, Esa Vilenius	
Flatness of calibration sources: quick study	3	PACS	Calibration	Flux Calibration		Spectrometer	Field of views scans on OD 79	02/10/2013, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Field+of+views+scans+on+OD+79	PACS-95	Christophe Jean	
PACS responsivity from standard star observations	3	PACS	Calibration	Flux Calibration	InFlight/Bolo	Bolometers	SAp-PACS-HA-0713-09	29/10/2009, v0.1	https://www.cosmos.esa.int/documents/12133/996891/PACS+responsivity+from+standard+stars+observations	PACS-96	Hervé Aussel	
Calibration source emissivity: test report	3	PACS	Calibration	Flux Calibration	CalSource	Spectrometer	PICC-KL-TR-020	01/02/2009, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Internal+Calibration+Sources+Performances+during+cold+FM+ILT-IST	PACS-97	Bart Vandenbussche, Alessandra Contursi, Helmut Feuchtgruber, Katrina Exter, Christophe Jean, Albrecht Poglitsch, Elena Puga, Pierre Royer, Roland Vavrek	
Faint linear artefact in PACS photometer	3	PACS	Data processing	InFlight	Artifacts	Photometer	SAp-PACS-KO-0716-10	10/12/2010, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Faint+linear+artefact+in+PACS+photometer	PACS-98	Koryo Okumura	
Noise characterization of PACS photometer mini-maps processed with JScanam	3	PACS	Data processing	Calibration	Mappers	Photometer	PICC-MA-TN-015	27/06/2018, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Noise+characterization+of+PACS+photometer+mini-maps+processed+with+JScanam		U. Klaas & H. Linz	
OP Known Issues	N/A	PACS	Overview	Products			HIPE 15	2016		PACS-25	KCs	
Cookbooks/flowcharts/usecase tables N/A	N/A	PACS	Data products	Data Reduction	Legacy products	Bolometers	In preparation	2016		PACS-7	Roberta Paladini, Katrina Exter, EP	