

Document Title	Level	Instrument	Area	Topic	Sub-topics	Availability	Document Reference Link	Date/Version	URL Link	DOI/External	#	Authors	Notes
PACS Handbook	1	PACS	Overview	Instrument		Photometer	HERSCHEL-HSC-DOC-2301	30/04/2014, v4.0.1	http://www.cosmos.esa.int/documents/12133/99689/PACS-Handbook-Supplement	https://biturl.org/m27mgg	PACS-0	Katrina Exter	
Point source photometry calibration	1	PACS	Calibration	Flux Calibration		Photometer	2014_Exp_Astron	01/07/2013	https://link.springer.com/article/10.1007/110686_013-9352-3	https://doi.org/10.1007/110686_013-9352-3	PACS-14	Billing et al	
The Herschel/PACS photometer calibration	1	PACS	Calibration	Flux Calibration		Photometer	2013_Exp_Astron_abstract_in_2014_LuminaReport	2013	https://link.springer.com/article/10.1007/110686_013-9348-4	https://doi.org/10.1007/110686_013-9348-4	PACS-16	Marinus Holboell et al	
PACS Spectroscopy Performance and Calibration	1	PACS	Calibration	Calibration		Spectrometer	PAC-41_TN-041	07/07/2017, v3.0	https://www.cosmos.esa.int/documents/12133/99689/PACS-Spectroscopy-performance-and-calibration	https://biturl.org/ByBqut2	PACS-2	Bart Vandenbosche, Alessandra Contursi, Helmut Feuchtinger, Katrina Exter, Christophe Jean, Abrecht Poglitsh, Elena Puga, Peter Bauer, Roland Wark	
PACS Photometer Fact Sheet	1	PACS	Overview	General		Bolometers	HERSCHEL-HSC-DOC-2349	08/06/2013, v1.0	https://www.cosmos.esa.int/documents/12133/99689/PACS-Photometer-Fact-Sheet	https://biturl.org/8r107u	PACS-21	Katrina Exter	
The Photodetector Array Camera and Spectrometer (PACS) for Herschel	1	PACS	Overview	General	PACS instrument	Bolometers	2010_AAS_318_L2	2010	https://www.cosmos.esa.int/documents/12133/99689/PACS-Photodetector-Array-Camera-and-Spectrometer	https://doi.org/10.1051/0004-6361/201014430	PACS-22	Poglitsh et al.	
PACS Photometer Quick Start Guide	1	PACS	Overview	General		Bolometers	HERSCHEL-HSC-DOC-2341	23/06/2017, v1.1	https://www.cosmos.esa.int/documents/12133/99689/PACS-Photometer-Quick-Start-Guide	https://biturl.org/urkub7d	PACS-24	Katrina Exter	
All PACS documentation in HELL spreadsheet (Excel)	1	PACS	Overview	HELL			HERSCHEL-HSC-DOC-2329	2017	https://www.cosmos.esa.int/documents/12133/99689/PACS-Documentation-in-HELL-spreadsheet	https://biturl.org/5t8uq5	PACS-243		
All PACS documentation in HELL spreadsheet (CSV)	1	PACS	Overview	HELL			HERSCHEL-HSC-DOC-2340	07/08/2017	https://www.cosmos.esa.int/documents/12133/99689/PACS-Documentation-in-HELL-spreadsheet-csv	https://biturl.org/5t8uq5	PACS-244	Katrina Exter et al.	
Product decision trees	1	PACS	Data processing	Data Reduction		Spectrometer	HERSCHEL-HSC-DOC-2367	01/05/2018, v1.0	https://www.cosmos.esa.int/documents/12133/99689/PACS-Product-decision-trees	https://biturl.org/7hg2zy	PACS-252	Katrina Exter	
PACS Data Reduction Launchpad: Photometry	1	PACS	Data processing	Data Reduction		Photometer	HERSCHEL-HSC-DOC-2342	27/04/2017, v3.0	https://www.cosmos.esa.int/documents/12133/99689/PACS-Data-reduction-launchpad-photometry	https://biturl.org/5t8uq5	PACS-253	Katrina Exter	
PACS Data Reduction Launchpad: Spectroscopy	1	PACS	Data processing	Data Reduction		Spectrometer	HERSCHEL-HSC-DOC-2368	27/04/2017, v1.1	https://www.cosmos.esa.int/documents/12133/99689/PACS-Data-reduction-launchpad-spectroscopy	https://biturl.org/yqf5u4	PACS-254	Katrina Exter	
PACS Products Explained	1	PACS	Data products	Products	Legacy products		HERSCHEL-HSC-DOC-2324	01/09/2018, v2.0	https://www.cosmos.esa.int/documents/12133/99689/PACS-Products-explained	https://biturl.org/5t8uq5	PACS-26	Katrina Exter	
All PACS documentation in HELL spreadsheet (PDF)	1	PACS	Overview	Documentation	HELL		HERSCHEL-HSC-DOC-2304	2017	https://www.cosmos.esa.int/documents/12133/99689/PACS-Documentation-in-HELL-spreadsheet-pdf	https://biturl.org/5t8uq5	PACS-282	Katrina Exter	
PACS Data Reduction Guide: Spectroscopy	1	PACS	Data processing	Data Reduction		Spectrometer	HERSCHEL-HSC-DOC-2343	March 2007, v5.0	https://www.cosmos.esa.int/documents/12133/99689/PACS-Data-reduction-guide-spectroscopy	https://biturl.org/63483m	PACS-9	Katrina Exter	
PACS Spectrometer Fact Sheet	1	PACS	Overview	General		Bolometers	HERSCHEL-HSC-DOC-2341	28/02/2017	https://www.cosmos.esa.int/documents/12133/99689/PACS-Spectrometer-Fact-Sheet	https://biturl.org/yqf5u4	PACS-10	Katrina Exter	
PACS Spectrometer Quick Start Guide	1	PACS	Overview	General		Bolometers	HERSCHEL-HSC-DOC-2312	11/01/2013, v1.3	https://www.cosmos.esa.int/documents/12133/99689/PACS-Spectrometer-Quick-Start-Guide	https://biturl.org/mh3q8z	PACS-11	Katrina Exter	
PACS Data Reduction Guide: Photometry	1	PACS	Data processing	Data Reduction		Photometer	HERSCHEL-HSC-DOC-2342	March 2017, v5.0	https://www.cosmos.esa.int/documents/12133/99689/PACS-Data-reduction-guide-photometry	https://biturl.org/yqf5u4	PACS-4	Zoran Billing, Luca Calzavara	
Scanshops: web site	1	PACS	Data processing	Data Reduction	Mapers	Photometer	Home page	2016	http://www.cosmos.esa.int/documents/12133/99689/PACS-Scanshops	https://biturl.org/7y2b3m	PACS-8		
Scanshops: web site	1	PACS	Data processing	Data Reduction	Mapers	Photometer	Home page	2016	http://www.cosmos.esa.int/documents/12133/99689/PACS-Scanshops	https://biturl.org/y7d4rhm	PACS-8		
Unimap website	1	PACS	Calibration	Beams		Photometer	PAC-ME-TN-033	16/11/2015, v2.2	https://www.cosmos.esa.int/documents/12133/99689/PACS-Unimap	https://biturl.org/y7d4rhm	PACS-1	Dietler Lutz	
Unimap applied to Herschel	2	PACS	Data processing	Data Reduction	Mapers	Photometer	Map_Nov_8_Astron_Soc_2015_1477-1479_1488	01/11/2014	http://www.cosmos.esa.int/documents/12133/99689/PACS-Unimap	https://biturl.org/y7d4rhm	PACS-10	L. Pizzaro et al.	
Impacts of The Radiation Environment At L2 On Bolometers Onboard The Herschel Space Observatory	2	PACS	Instrument	In-flight	Bolometer	Photometer	Impacts of The Radiation Environment At L2 On Bolometers Onboard The Herschel Space Observatory	24/07/2012	https://www.cosmos.esa.int/documents/12133/99689/PACS-Impacts-of-The-Radiation-Environment-At-L2-On-Bolometers-Onboard-The-Herschel-Space-Observatory	https://doi.org/10.1109/98.1243143	PACS-100	B. Henneux et al.	
Scansm	2	PACS	Data processing	Data Reduction	Mapers	Photometer	Scansm	10/12/2015	http://pubsbooks.org/publications/512379.pdf		PACS-11	J. Garcia-Carpio et al.	
Optimized 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	https://link.springer.com/article/10.1007/110686_013-9350-5	https://doi.org/10.1007/110686_013-9350-5	PACS-12	Luukla Kuis	
Spectrometer Flux Calibration	2	PACS	Calibration	Flux Calibration		Spectrometer	PAC-41_TN-047	25/06/2011	https://www.cosmos.esa.int/documents/12133/99689/PACS-Spectrometer-Flux-Calibration	https://biturl.org/5t8uq5	PACS-13	Christophe Jean, Pierre Royer, Bart Vandenbosche	
PACS beam sorption cooler	2	PACS	Instrument	Satellite	In-Flight/Cryo		Exp. Astron (2014) 37: 397	01/07/2014	https://link.springer.com/article/10.1007/110686_014-9388-4	https://doi.org/10.1007/110686_014-9388-4	PACS-133	Mark Sauvage	
PACS Instrument Description Document I	2	PACS	Instrument	Instrument		Bolometers	PAC-ME-GR-002-0401-1	22/12/2006, v3.1	https://www.cosmos.esa.int/documents/12133/99689/PACS-Instrument-Description-Documents	https://biturl.org/urkub7d	PACS-135	O. Bauer	
PACS Chopped line scan and high sampling range scan ADT release note	2	PACS	Instrument	Uplink		Spectrometer	PAC-41_TN-038	18/01/2010, v2.3	https://www.cosmos.esa.int/documents/12133/99689/PACS-Chopped-line-scan-and-high-sampling-range-scan-ADT-release-note	https://biturl.org/5t8uq5	PACS-147	Bart Vandenbosche, A. Contursi, Helmut Feuchtinger, Ulrich Haas, Andrea Pasagonggo, Pierre Royer & Roland Wark	
PACS map-making tools: analysis and benchmarking	2	PACS	Data processing			Photometer	PACS map-making tools	01/11/2016, v1.0	https://www.cosmos.esa.int/documents/12133/99689/PACS-Map-making-tools-analysis-and-benchmarking	https://biturl.org/7y2b3m	PACS-148	PACS ICC	
A Herschel telescope background model for the PACS photometer	2	PACS	Calibration			Photometer	PAC-MA-TN-031	27/06/2016, v1.3	https://www.cosmos.esa.int/documents/12133/99689/PACS-Herschel-telescope-background-model-for-the-PACS-photometer	https://biturl.org/7y2b3m	PACS-149	Ulrich Haas	
Point source photometry calibration: asteroids	2	PACS	Calibration	Flux Calibration		Photometer	2014_AAS_317_350A	22/11/2013	https://www.cosmos.esa.int/documents/12133/99689/PACS-Point-source-photometry-calibration-asteroids	https://doi.org/10.1051/0004-6361/1243143	PACS-15	Möller 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/12133/99689/PACS-Pointing-offset-correction	https://biturl.org/5t8uq5	PACS-150	J. Bouwman	
On the comparison of PACS 160um and AKARI 160um maps	2	PACS	Calibration			Photometer	PAC-CR-TN-047	14/12/2013, v1.0	https://www.cosmos.esa.int/documents/12133/99689/PACS-Comparison-of-PACS-160um-and-AKARI-160um-maps	https://biturl.org/5t8uq5	PACS-153	PACS ICC	
Faint standard stars	2	PACS	Calibration	Flux Calibration		Photometer	Exp. Astron (2014) 37: 347	01/07/2014	https://link.springer.com/article/10.1007/110686_013-9361-2	https://doi.org/10.1007/110686_013-9361-2	PACS-17	Marton, G., Vavrik, R., Kiss, C. et al.	
Far-infrared photometric observations of the outer planets and satellites with Herschel/PACS	2	PACS	Calibration	Flux Calibration		Photometer	Astrophys. & Astrophys. Volume 588, at A109	2016	https://www.cosmos.esa.int/documents/12133/99689/PACS-Far-infrared-photometric-observations-of-the-outer-planets-and-satellites-with-Herschel-PACS	https://doi.org/10.1051/0004-6361/120143771	PACS-18	Thomas Mueller et al.	
PACS Photometer Bands and Colour Correction Factors for Various Source SEDs	2	PACS	Calibration	Flux Calibration	Bandspec, colour corrections	Photometer	PAC-ME-TN-036	12/04/2011, v1.0	https://www.cosmos.esa.int/documents/12133/99689/PACS-Photometer-Bands-and-Colour-Correction-Factors-for-Variou-Source-SEDs	https://biturl.org/yqf5u4	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	Mapers, PSF, Noise	Photometer	PACS Technical Note	2013	https://www.cosmos.esa.int/documents/12133/99689/PACS-The-effect-of-the-high-pass-filter-data-reduction-technique-on-the-Herschel-PACS-Photometer-PSF-and-noise	https://biturl.org/y7d4rhm	PACS-20	P. Pappas et al	
PACS map-making tools: analysis and benchmarking, updated	2	PACS	Data processing	Mapers		Photometer	PACS map-making tools: analysis and benchmarking, updated	30/09/2014, v2.0	https://www.cosmos.esa.int/documents/12133/99689/PACS-Map-making-tools-analysis-and-benchmarking-updated	https://biturl.org/y7d4rhm	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/12133/99689/PACS-Non-uniform-illumination-of-the-PACS-spectrometer-FOV	https://biturl.org/5t8uq5	PACS-262	A. Poglitsh	
PACS SED and large range scan ADT release note	2	PACS	Instrument	ADT/release notes		Spectrometer	PAC-41_TN-030	10/02/2010, v1.3	https://www.cosmos.esa.int/documents/12133/99689/PACS-SED-and-large-range-scan-ADT-release-note	https://biturl.org/5t8uq5	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/12133/99689/PACS-Flux-Calibration-with-Normalization	https://biturl.org/5t8uq5	PACS-272	A. Poglitsh	
Description of Telescope Background (TD, N)	2	PACS	Calibration			Spectrometer	Technical Note	2016, v1.0	https://www.cosmos.esa.int/documents/12133/99689/PACS-Description-of-Telescope-Background	https://biturl.org/5t8uq5	PACS-273	A. Poglitsh	
Semi extended sources: Technical note on the EIP correction	2	PACS	Data processing	Calibration	Field of view	Spectrometer	Technical Note	11/02/2016, v1.0	https://www.cosmos.esa.int/documents/12133/99689/PACS-Semi-extended-sources-Technical-note-on-the-EIP-correction	https://biturl.org/yqf5u4	PACS-274	Jeroen de Jong	
Unchopped ADT1 Release note	2	PACS	Instrument	ADT1/release notes		Spectrometer	Unchopped ADT1 release note	20/06/2010, v1.0	https://www.cosmos.esa.int/documents/12133/99689/PACS-Unchopped-ADT1-release-note	https://biturl.org/5t8uq5	PACS-28	PACS ICC	
PACS Spectrometer: forward model tool for science use	2	PACS	Data processing	Field of view		Spectrometer	HERSCHEL-HSC-TN-2333	25/01/2017, v1.0	https://www.cosmos.esa.int/documents/12133/99689/PACS-Spectrometer-forward-model-tool-for-science-use	https://biturl.org/7y2b3m	PACS-283	Elena Puga	
PACS Photometer Filter Transmission Curves	2	PACS	Calibration	Filters		Photometer	PACS-P-ADP Filter transmission curves	10/04/2017	https://www.cosmos.esa.int/documents/12133/99689/PACS-P-ADP-Filter-transmission-curves	https://biturl.org/y7d4rhm	PACS-284	PACS ICC	
PACS-P PSF Ancillary Data	2	PACS	Calibration	Beams		Photometer	Ancillary Data Product archive	24/04/2017	https://www.cosmos.esa.int/documents/12133/99689/PACS-P-PSF-Ancillary-Data-Product-archive	https://biturl.org/y7d4rhm	PACS-285	PACS ICC	
PACS-P EEF Ancillary Data	2	PACS	Calibration	Beams		Photometer	Ancillary Data Product archive	14/04/2017	https://www.cosmos.esa.int/documents/12133/99689/PACS-P-EEF-Ancillary-Data-Product-archive	https://biturl.org/y7d4rhm			

HFDP Release Note: PACS-P Point Source Catalogue	2	PACS	Data products	Highly Processed Data Products	Photometer	PACS-P Point Source Catalogue	17/06/2017	https://www.cosmos.esa.int/web/herschel/pacs-point-source-catalogue	https://doi.org/10.5270/esa.scw7867	PACS-294	Gabor Marton et al.		
HFDP Release Note: PACS-P Imaging Highly Processed Mosaics	2	PACS	Data products	Highly Processed Data Products	Photometer	PACS photometer imaging highly processed mosaics	04/07/2017	https://www.cosmos.esa.int/web/herschel/pacs-photometer-imaging-highly-processed-mosaics	https://doi.org/10.5270/esa.scw7867	PACS-295			
HFDP Release Note: PACS-P IScanam Highly Processed Mosaics	2	PACS	Data products	Highly Processed Data Products	Photometer	PACS PHOTOMETRIC IScanam highly processed mosaics	18/04/2017	https://www.cosmos.esa.int/web/herschel/pacs-iscanam-highly-processed-mosaics	https://doi.org/10.5270/esa.scw7867	PACS-296			
HFDP Release Note: Herschel-PACS photometry of the five major moons of Uranus	2	PACS	Data products	Highly Processed Data Products	Photometer	Pending assignment	In preparation			PACS-334		HFDP is pending ingestion in the HSA	
HFDP Release Note: Herschel-PACS photometry of the five major moons of Uranus	2	PACS	Data products	Highly Processed Data Products	Photometer	Data	In preparation			PACS-335		HFDP is pending ingestion in the HSA	
HFDP Release Note: Herschel-PACS photometry of the five major moons of Uranus	2	PACS	Data products	Highly Processed Data Products	Photometer	Pending assignment	In preparation			PACS-336		HFDP is pending ingestion in the HSA	
HFDP Publication: Herschel-PACS photometry of the five major moons of Uranus	2	PACS	Data products	Highly Processed Data Products	Photometer	A&A, 643, 676 (2016)	14/09/2016	https://www.aanda.org/articles/aanda/abs/2016/09/aa31262c	https://doi.org/10.1051/0004-6361/201631262	PACS-337	D. H. Debris, T. G. Müller, U. Klais, G. Marton, H. Linz and Z. Bieg		
ADP Release Note: PACS-S PSFs	2	PACS	Data products	Auxiliary Data Products	PSF	Spectrometer	HERSCHEL-HSC-DOC-2111	28/05/2017, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS%20spectrometer-beams+beam+efficiency+tables+PSFs	https://tinyurl.com/vmzmqm	PACS-297	Elina Pajua	
ADP Release Note: PACS-P PSFs	2	PACS	Data products	Auxiliary Data Products	PSF,EEF	Photometer	HERSCHEL-HSC-DOC-2111	16/06/2017, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS%20spectrometer-beams+beam+efficiency+tables+PSFs	https://tinyurl.com/v6u8ewa	PACS-298	Lara Caballero	
ADP Release Note: PACS-P Filter Transmissions	2	PACS	Data products	Auxiliary Data Products	Filter transmission	Photometer	PACS Photometer Filter transmission ReadMe	07/04/2017, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS%20spectrometer-beams+beam+efficiency+tables+PSFs	https://tinyurl.com/v9m8id6	PACS-299	Lara Caballero	
PACS wavelength switching ADT release notes	2	PACS	Instrument	ADT release notes	Spectrometer	PACS wavelength switching ADT release notes	20/02/2016, v1.1	https://www.cosmos.esa.int/documents/12133/996891/PACS%20spectrometer-beams+beam+efficiency+tables+PSFs	https://tinyurl.com/v9m8id6	PACS-300	PACS ICC		
ADP Release Note: PACS-S Calibration Models	2	PACS	Data products	Auxiliary Data Products	Calibration	Spectrometer	ADP Release Note: PACS-S Calibration Models ReadMe	20/04/2017	http://archives.esac.esa.int/herschel/ADP/PACS/PACS%20spectrometer-beams+beam+efficiency+tables+PSFs	https://tinyurl.com/v8fufw6	PACS-300	PACS ICC	
ADP Release Note: PACS-OBWV images	2	PACS	Data products	Auxiliary Data Products	Software		ADP Release Note: PACS-OBWV images	17/09/2017	http://archives.esac.esa.int/herschel/ADP/PACS/PACS%20spectrometer-beams+beam+efficiency+tables+PSFs	https://tinyurl.com/qd7tue6	PACS-301	David Teyssier & Rik Hygen	
ADP Release Note: PACS Trend Analysis Data Products	2	PACS	Data products	Auxiliary Data Products	Trend analysis		PACS Trend Monitoring Data Products	17/09/2017	http://archives.esac.esa.int/herschel/ADP/PACS/PACS%20spectrometer-beams+beam+efficiency+tables+PSFs	https://tinyurl.com/v7m8i86	PACS-302	David Teyssier & Rik Hygen	
ADP data: PACS modified PSFs	2	PACS	Data products	Auxiliary Data Products	PSF	Photometer	Data 1821 Mbytes	16/12/2016	http://archives.esac.esa.int/herschel/ADP/PSF/PACS/Modified%20PSFs	https://tinyurl.com/v8fufw6	PACS-303	N. Gali & D. Lutz	
ADP data: PACS-S PSFs	2	PACS	Data products	Auxiliary Data Products	PSF	Spectrometer	Data 120 Mbytes	04/04/2017	http://archives.esac.esa.int/herschel/ADP/PSF/PACS/S%20PSFs	https://tinyurl.com/v8fufw6	PACS-304	Elina Pajua	
ADP data: PACS-P PSFs	2	PACS	Data products	Auxiliary Data Products	PSF	Photometer	Data 1362 Mbytes	14/06/2017	http://archives.esac.esa.int/herschel/ADP/PSF/PACS/P%20PSFs	https://tinyurl.com/v3z27ee	PACS-305	Lara Caballero	
ADP data: PACS-P Filter Transmissions	2	PACS	Data products	Auxiliary Data Products	Filter transmission	Photometer	Data 10.4 Mbytes	10/04/2017	http://archives.esac.esa.int/herschel/ADP/PACS/PACS%20spectrometer-beams+beam+efficiency+tables+PSFs	https://tinyurl.com/vb4vcv3	PACS-306	Lara Caballero	
ADP data: PACS-S Calibration Models	2	PACS	Data products	Auxiliary Data Products	Calibration	Spectrometer	Data 1249 Mbytes	13/07/2017	http://archives.esac.esa.int/herschel/ADP/PACS/PACS%20spectrometer-beams+beam+efficiency+tables+PSFs	https://tinyurl.com/v8fufw6	PACS-307	PACS ICC	
ADP data: PACS-OBWV images	2	PACS	Data products	Auxiliary Data Products	Software		Data 172 Mbytes	18/05/2017	http://archives.esac.esa.int/herschel/ADP/PACS/PACS%20spectrometer-beams+beam+efficiency+tables+PSFs	https://tinyurl.com/v8fufw6	PACS-308	David Teyssier & Rik Hygen	
ADP data: PACS Trend Analysis Data Products	2	PACS	Data products	Auxiliary Data Products	Trend analysis		Data (multiple files available)	18/02/2017	http://archives.esac.esa.int/herschel/ADP/PACS/PACS%20spectrometer-beams+beam+efficiency+tables+PSFs	https://tinyurl.com/v7m8i86	PACS-309	David Teyssier & Rik Hygen	
Photometer scan map ADT release note	2	PACS	Instrument	ADT release notes	Photometer	PCC-ME-TN-035	23/02/2016, v1.1	https://www.cosmos.esa.int/documents/12133/996891/PACS%20spectrometer-beams+beam+efficiency+tables+PSFs	https://tinyurl.com/v9m8id6	PACS-31	PACS ICC		
Semi extended sources: tarball with with HRF script and additional explanatory material	2	PACS	Data processing	Calibration	Field of view	Spectrometer	Tarball	13/02/2016, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS%20spectrometer-beams+beam+efficiency+tables+PSFs	https://tinyurl.com/v2n79wz	PACS-118	Jeroen de Jong	
Herschel-PACS photometry of faint stars for sensitivity performance assessment and establishment of faint IR flux density photometric standards	2	PACS	Calibration	Flux Calibration	Science	Photometer	A&A 613, A40 (2018)	2018	https://www.aanda.org/articles/aanda/abs/2018/06/aa31812c	https://doi.org/10.1051/0004-6361/201831812	PACS-319	U. Klais, Z. Bieg, M. Neblock, T. G. Müller, H. Linz, C. Kiss	
PACS Photometer - Point Compact Source Observations, Mini Scan-Maps and Chop-Nod	2	PACS	Instrument	ADT release notes	Photometer	PCC-ME-TN-036	12/11/2016, v2.0	https://www.cosmos.esa.int/documents/12133/996891/PACS%20spectrometer-beams+beam+efficiency+tables+PSFs	https://tinyurl.com/v9m8id6	PACS-32	PACS ICC		
Data tables: Herschel-PACS photometry of faint stars for sensitivity performance assessment and establishment of faint IR flux density photometric standards	2	PACS	Calibration	Flux Calibration	Science	Photometer	Link to CSV	2018	http://doi.org/10.5270/esa.scw7867/10.5270/esa.scw7867	https://doi.org/10.5270/esa.scw7867/10.5270/esa.scw7867	PACS-320	U. Klais, Z. Bieg, M. Neblock, T. G. Müller, H. Linz, C. Kiss	
HFDP Release Note: PACS Spectrometer observations in the red-leak spectral range	2	PACS	Data products	Highly Processed Data Products	Spectrometer	HERSCHEL-HSC-DOC-2110	17/06/2017, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS%20spectrometer-beams+beam+efficiency+tables+PSFs	https://tinyurl.com/v8fufw6	PACS-321	Elina Pajua		
Dealing with Point Sources Observed with PACS Spectroscopy	2	PACS	Data processing	Data Reduction	Spectrometer	HERSCHEL-HSC-DOC-2312	01/06/2018, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS%20spectrometer-beams+beam+efficiency+tables+PSFs	https://tinyurl.com/v2e6m2z	PACS-322	Karina Ester		
Dealing with Semi-Extended Sources Observed with PACS Spectroscopy	2	PACS	Data processing	Data Reduction	Spectrometer	HERSCHEL-HSC-DOC-2313	01/06/2018, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS%20spectrometer-beams+beam+efficiency+tables+PSFs	https://tinyurl.com/v8fufw6	PACS-323	Karina Ester		
Dealing with Extended Sources Observed with PACS Spectroscopy	2	PACS	Data processing	Data Reduction	FluxCal	Spectrometer	HERSCHEL-HSC-DOC-2314	01/06/2018, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS%20spectrometer-beams+beam+efficiency+tables+PSFs	https://tinyurl.com/vmzmqm	PACS-324	Karina Ester	
HFDP 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%20spectrometer-beams+beam+efficiency+tables+PSFs	https://doi.org/10.5270/esa.scw7867	PACS-325	Karina Ester		
Forward Modelling Script Material	2	PACS	Data processing	Data Reduction	Software	Spectrometer	HERSCHEL-HSC-DOC-2312	01/06/2018, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS%20spectrometer-beams+beam+efficiency+tables+PSFs	https://tinyurl.com/v8fufw6	PACS-326	Karina Ester	
Noise characterization of high-pass filtered PACS photometer mini-maps	2	PACS	Instrument	Calibration	Photometer	PCC-MA-TN-016	22/06/2016, v2.0	https://www.cosmos.esa.int/documents/12133/996891/PACS%20spectrometer-beams+beam+efficiency+tables+PSFs	https://tinyurl.com/v8fufw6	PACS-327	U. Klais & H. Linz		
Noise characterization of mini-maps processed with IScanam	2	PACS	Instrument	Calibration	Photometer	PCC-MA-TN-016	27/06/2016, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS%20spectrometer-beams+beam+efficiency+tables+PSFs	https://tinyurl.com/v8fufw6	PACS-328	U. Klais & H. Linz		
ADP Release Note: PACS Observation Summaries	2	PACS	Data products	Auxiliary Data Products	Science		PACS Observation Summaries ReadMe	10/02/2018	http://archives.esac.esa.int/herschel/ADP/PACS/Obssummaries+README	https://tinyurl.com/v8fufw6	PACS-329	PACS ICC	
PACS Spectrometer Beam Efficiencies (Control Version document)	2	PACS	Calibration	Beams	Spectrometer	HERSCHEL-HSC-TN-2111	01/01/2016, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS%20spectrometer-beams+beam+efficiency+tables+PSFs	https://tinyurl.com/v8fufw6	PACS-33	EP with inputs from PACS ICC		
ADP data: PACS Observation Summaries	2	PACS	Data products	Auxiliary Data Products	Science		Data 12.9 Mbytes	18/02/2018	http://archives.esac.esa.int/herschel/ADP/PACS/Obssummaries+README	https://tinyurl.com/v8fufw6	PACS-330	PACS ICC	
Spectroscopy of Planetary Nebulae with Herschel: A Beginners Guide	2	PACS	Data processing	Data Analysis	Science	Spectrometer	Galaxies, 6, 71 (2018)	2018	https://www.aanda.org/articles/aanda/abs/2018/06/aa31812c	https://doi.org/10.1051/0004-6361/201831812	PACS-331	Karina Ester	
HFDP: PACS-P Point Source Catalogue Explanatory Supplement	2	PACS	Data products	Highly Processed Data Products	Photometer	HFDP Explanatory Supplement	17/06/2017	https://www.cosmos.esa.int/documents/12133/996891/PACS%20spectrometer-beams+beam+efficiency+tables+PSFs	https://tinyurl.com/v8fufw6	PACS-333	Gabor Marton et al.		
PACS Spectrometer beams	2	PACS	Calibration	Beams	Spectrometer	PACS Spec beams (control ver)	01/06/2015	https://www.cosmos.esa.int/documents/12133/996891/PACS%20spectrometer-beams+beam+efficiency+tables+PSFs	https://tinyurl.com/v8fufw6	PACS-34	PACS ICC		
PACS Spectroscopy beam efficiency tables (control ver)	2	PACS	Calibration	Beams	Spectrometer	PACS Spec beam efficiency tables (control ver)	01/06/2015	https://www.cosmos.esa.int/documents/12133/996891/PACS%20spectrometer-beams+beam+efficiency+tables+PSFs	https://tinyurl.com/v8fufw6	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%20spectrometer-beams+beam+efficiency+tables+PSFs	https://tinyurl.com/v8fufw6	PACS-36	PACS ICC		
PSF kernels (for convolution)	2	PACS	Calibration	Beams	Bolometers	Precision Web Site	Undated	https://www.cosmos.esa.int/documents/12133/996891/PACS%20spectrometer-beams+beam+efficiency+tables+PSFs	https://tinyurl.com/v8fufw6	PACS-38	G. Aniano		
Non-linearity correction module for the PACS photometer	2	PACS	Calibration	Bolometers	Artifacts, FluxCal	Photometer	PCC-NHSC-TN-051	01/02/2011, v0.2	https://www.cosmos.esa.int/documents/12133/996891/PACS%20spectrometer-beams+beam+efficiency+tables+PSFs	https://tinyurl.com/v8fufw6	PACS-39	Nicolas Billot	
PACS spectroscopy flatfield correction	2	PACS	Calibration	Calibration	Flatfield	Spectrometer	PCC-FL-TN-041	28/06/2016, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS%20spectrometer-beams+beam+efficiency+tables+PSFs	https://tinyurl.com/v8fufw6	PACS-40	Bart Vandenbuische, Alexandra Comari, Helmut Feuchtinger, Karina Ester, Christophe Sotin, Albrecht Paganini, Elina Pajua, Pierre Bauer, Roland Wurz	
PACS Photometer Flat Field Measurement	2	PACS	Calibration	Calibration	Flatfield	Photometer	S&P PACS 470 0736 14	14/03/2016, v2.0	https://www.cosmos.esa.int/documents/12133/996891/PACS%20spectrometer-beams+beam+efficiency+tables+PSFs	https://tinyurl.com/v8fufw6	PACS-41	Koryo Okumura, Ulrich Klais	
Saturation limits for the PACS photometer	2	PACS	Calibration	Calibration	FluxCal	Photometer	S&P PACS 445 0630 08	22/02/2008, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS%20spectrometer-beams+beam+efficiency+tables+PSFs	https://tinyurl.com/v8fufw6	PACS-42	Marc Sauvage, Nicolas Billot, Koryo Okumura	
Wavelength calibration of the PACS spectrometer during FMT	2	PACS	Calibration	Calibration	WaveCal	Spectrometer	Wavelength calibration of the PACS spectrometer during FMT	12/02/2017, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS%20spectrometer-beams+beam+efficiency+tables+PSFs	https://tinyurl.com/v8fufw6	PACS-43	Helmut Feuchtinger	
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/PACS%20spectrometer-beams+beam+efficiency+tables+PSFs	https://tinyurl.com/v8fufw6	PACS-44	Rik Hygen		
Calibration the History (short-ops)	2	PACS	Calibration	Calibration History	Bolometers								

Use of blazars for PACS spatial calibration	3	PACS	Calibration		Bolometers	PAC-MA-TR-024	03/08/2008, v.1.1	https://www.cosmos.esa.int/documents/12133/996891/Use+of+Blazars+for+PACS+spatial+calibration	https://tinyurl.com/vq8Rt5e	PACS-142	Dieter Lutz
Bright, isolated FIR sources for locating the PACS bolometers	3	PACS	Calibration		Photometer	PAC-ME-TR-033	26/11/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Bright,+isolated+FIR+sources+for+locating+the+PACS+bolometers	https://tinyurl.com/vf6q3p9	PACS-143	Dieter Lutz
Flux estimates (in-orbit and OSE)	3	PACS	Calibration		Bolometers	PAC-IL-TR-026	10/12/2008, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Flux+estimates+in-orbit+and+OSE	https://tinyurl.com/7488aw	PACS-144	Marin Gronoweggen
ODS hole masks for ILT testing	3	PACS	Instrument		Bolometers	PAC-ME-TR-032	17/10/2008, v1.0	https://www.cosmos.esa.int/documents/12133/996891/ODS+hole+masks+for+ILT+testing	https://tinyurl.com/vf8aw5c	PACS-145	Dieter Lutz, Koryo Okumura
Contrast of observations with punched masks in PACS ILT	3	PACS	Instrument				26/11/2002, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Contrast+of+observations+with+punched+masks+in+PACS+ILT	https://tinyurl.com/vf8vnh72s	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	https://tinyurl.com/vaf6v9e	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/Pointing+Offset+Correction+pipeline+tasks	https://tinyurl.com/v96wewc	PACS-152	J. Schreiber
DFU 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/DFU+on-board+software+users+manual	https://tinyurl.com/vc2bnf6g	PACS-154	Dafano Pozzato
PACS FM Photometer focal plane units users manual	3	PACS	Instrument		Photometer	SAP-PACS-MS-0638-06	25/02/2008, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+FM+Photometer+focal+plane+units+users+manual	https://tinyurl.com/v9hu5vz	PACS-155	Mark Sauvage
DEC/MEC Users Manual	3	PACS	Instrument		Bolometers	PACS-C1-SE-002	30/09/2016, v5.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+DEC+MEC+Users+Manual	https://tinyurl.com/v9hu5vz	PACS-156	PACS ICC
Functional and Performance Test of PACS Internal Calibration Sources during cold FM ILT	3	PACS	Instrument		Bolometers	PAC-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	https://tinyurl.com/7m7nho3	PACS-157	H. Dannerbauer, U. Klaas, J. Bouwman, M. Nelbock & J. Schreiber
Angular Calibration and Zero Point Offset Determination of PACS FM1 Chopper at Hot	3	PACS	Instrument		Bolometers	PAC-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+Mez+at+Hot	https://tinyurl.com/v7348er	PACS-158	M. Nelbock, U. Klaas, J. Bouwman, H. Dannerbauer & J. Schreiber
HERSCHEL/PACS SPU HS3V User Manual	3	PACS	Instrument		Bolometers	PACS-TW-UM-002	18/02/2008, v1.0.16	https://www.cosmos.esa.int/documents/12133/996891/HERSCHEL+PACS+SPU+HS3V+User+Manual	https://tinyurl.com/vba3tge	PACS-159	R. Ottensmeyer & Christian Reiners
HERSCHEL/PACS SPU HIGH LEVEL SOFTWARE Specification Document	3	PACS	Instrument		Bolometers	PACS-TW-05-001	05/11/2007, v4.6	https://www.cosmos.esa.int/documents/12133/996891/HERSCHEL+PACS+SPU+HIGH+LEVEL+SOFTWARE+Specification+Document	https://tinyurl.com/v7m2n6da	PACS-160	A. N. Belbachir, R. Ottensmeyer, C. Reiners
PACS OBCs and DAC Sequences	3	PACS	Instrument		Bolometers	PACS-ME-IL-005	14/04/2010, v2.2	https://www.cosmos.esa.int/documents/12133/996891/PACS+OBCs+and+DAC+Sequences	https://tinyurl.com/vc6f5d9c	PACS-161	H. Fuchgraber
Preparing ADTs for the PACS photometer	3	PACS	Instrument		Photometer	SAP-PACS-MS-0186-03	01/12/2006, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Preparing+ADTs+for+the+PACS+photometer	https://tinyurl.com/v2z8vdf	PACS-162	Mark Sauvage, Koryo Okumura
PACS photometric check MADmap vs photoproj	3	PACS	Data processing		Photometer	PAC-NHSC-TR-028	01/12/2010, v2.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+photometric+check+MADmap+vs+photoproj	https://tinyurl.com/v84d3b6	PACS-163	Nicolas Billot & Babar Ali
PACS Performance Verification Phase Photometer Point Source AOT Evaluation - diffused vs. non-diffused. Test case - asteroid 360 Carvao	3	PACS	Instrument		Photometer	PAC-MA-TR-006	02/11/2008, v2.3	https://www.cosmos.esa.int/documents/12133/996891/PACS+Performance+Verification+Phase+Photometer+Point+Source+AOT+Evaluation+-+diffused+vs.+non-diffused.+Test+case+-+asteroid+360+Carvao	https://tinyurl.com/vc6wztdf	PACS-164	Markus Nelbock & Ulrich Klaas
MADmap users guide	3	PACS	Data processing		Photometer	PAC-NHSC-TR-029	10/04/2010, v0.1	https://www.cosmos.esa.int/documents/12133/996891/MADmap+users+guide	https://tinyurl.com/vr8v877g	PACS-165	Babar Ali
In-orbit cross-talk in the PACS photometer	3	PACS	Instrument		Photometer	PAC-ME-TR-034	25/09/2008, v1.1	https://www.cosmos.esa.int/documents/12133/996891/In-orbit+cross-talk+in+the+PACS+photometer	https://tinyurl.com/vq6c27g	PACS-166	Dieter Lutz
Photometer point-source sensitivity at different scanrates	3	PACS	Calibration		Photometer	PAC-ME-TR-032	11/09/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Photometer+point-source+sensitivity+at+different+scanrates	https://tinyurl.com/vc9v876g	PACS-167	Dieter Lutz
Photometric red channel cross-talk	3	PACS	Instrument		Photometer	PAC-NHSC-TR-023	15/09/2008, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Photometric+red+channel+cross-talk	https://tinyurl.com/vb333ta	PACS-168	Babar Ali
MADmap processing	3	PACS	Data processing		Photometer	PAC-NHSC-TR-024	21/09/2008, v0.1	https://www.cosmos.esa.int/documents/12133/996891/MADmap+processing	https://tinyurl.com/v8v8v6f9	PACS-169	Babar Ali
Photometer SPG during CP	3	PACS	Instrument		Photometer	SAP-PACS-MS-077	05/07/2008, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Photometer+SPG+during+CP	https://tinyurl.com/vc8v87dv	PACS-170	Koryo Okumura
PACS FM ILT, IST, TVIB, CoPr Short Performance Test: PACS Setup of Photometry	3	PACS	Instrument		Photometer	PACS-FM-ILT-IST-TVIB-CoPr-Short-Performance-Test-PACS-Setup-of-Photometry	07/07/2008, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+FM+ILT+IST+TVIB+CoPr+Short+Performance+Test+PACS+Setup+of+Photometry	https://tinyurl.com/v8v87dv	PACS-171	Thomas Mueller
PACS FM ILT, IST, TVIB, CoPr Short Performance Test: S18 Test of Internal Calibration Resepts in Photometry	3	PACS	Instrument		Photometer	PACS-FM-ILT-IST-TVIB-CoPr-Short-Performance-Test-S18-Test-of-Internal-Calibration-Resepts-in-Photometry	07/07/2008, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+FM+ILT+IST+TVIB+CoPr+Short+Performance+Test+S18+Test+of+Internal+Calibration+Resepts+in+Photometry	https://tinyurl.com/v75pocd	PACS-172	Thomas Mueller
PACS FM ILT, IST, TVIB, CoPr Full Functional Test: 413 Thermal Behaviour in Photometry	3	PACS	Instrument		Photometer	PACS-FM-ILT-IST-TVIB-CoPr-Full-Functional-Test-413-Thermal-Behaviour-in-Photometry	03/07/2008, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+FM+ILT+IST+TVIB+CoPr+Full+Functional+Test+413+Thermal+Behaviour+in+Photometry	https://tinyurl.com/v8v87dv	PACS-173	Thomas Mueller
PACS FM ILT, IST, TVIB, CoPr Full Functional Test: 405 Thermal Behaviour in Spectroscopy	3	PACS	Instrument		Spectrometer	PACS-FM-ILT-IST-TVIB-CoPr-Full-Functional-Test-405-Thermal-Behaviour-in-Spectroscopy	03/07/2008, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+FM+ILT+IST+TVIB+CoPr+Full+Functional+Test+405+Thermal+Behaviour+in+Spectroscopy	https://tinyurl.com/v8v87dv	PACS-174	Thomas Mueller
PACS FM ILT, IST, TVIB, CoPr Short Performance Test: S24 Test Pattern, Photometry	3	PACS	Instrument		Photometer	PACS-FM-ILT-IST-TVIB-CoPr-Short-Performance-Test-S24-Test-Pattern-Photometry	25/06/2008, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+FM+ILT+IST+TVIB+CoPr+Short+Performance+Test+S24+Test+Pattern+Photometry	https://tinyurl.com/v752284	PACS-175	Thomas Mueller
Full Functional Test and Short Performance Test cooler report	3	PACS	Instrument		Bolometers	SAP-PACS-MS-0754-09	14/06/2008, v1.1	https://www.cosmos.esa.int/documents/12133/996891/Full+Functional+Test+and+Short+Performance+Test+cooler+report	https://tinyurl.com/v8v87dv	PACS-178	Mark Sauvage
PACS Test analysis reports FM-ILT Part I	3	PACS	Instrument		Bolometers	PAC-ME-TR-006	25/01/2008, v0.1	https://www.cosmos.esa.int/documents/12133/996891/PACS+Test+analysis+reports+FM-ILT+Part+I	https://tinyurl.com/v8v87dv	PACS-179	PACS ICC
PACS Test analysis reports FM-ILT Part II	3	PACS	Instrument		Bolometers	PAC-ME-TR-006	12/11/2007, v0.1	https://www.cosmos.esa.int/documents/12133/996891/PACS+Test+analysis+reports+FM-ILT+Part+II	https://tinyurl.com/v8v87dv	PACS-180	PACS ICC
PACS Test analysis reports FM-ILT Part III	3	PACS	Instrument		Bolometers	PAC-ME-TR-006	12/11/2007, v0.1	https://www.cosmos.esa.int/documents/12133/996891/PACS+Test+analysis+reports+FM-ILT+Part+III	https://tinyurl.com/v8v87dv	PACS-181	PACS ICC
Linearity of detector ramps during ILT	3	PACS	Instrument		Spectrometer	PAC-MA-TR-045	11/09/2008, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Linearity+of+detector+ramps+during+ILT	https://tinyurl.com/v8v87dv	PACS-182	J. Bouwman, Ulrich Klaas, J. Schreiber, H. Dannerbauer, Markus Nelbock
Comparison between photoproj and MODX	3	PACS	Data processing		Photometer	PAC-NHSC-TR-020	28/08/2008, v1.1	https://www.cosmos.esa.int/documents/12133/996891/Comparison+between+photoproj+and+MODX	https://tinyurl.com/v8v87dv	PACS-183	D. Fayer
Noise characteristics of detector ramps during ILT	3	PACS	Instrument		Spectrometer	PAC-MA-TR-044	08/05/2008, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Noise+characteristics+of+detector+ramps+during+ILT	https://tinyurl.com/v8v87dv	PACS-184	J. Bouwman, Ulrich Klaas, J. Schreiber, H. Dannerbauer, Markus Nelbock
Basic Drive Parameters of PACS FM1 Chopper From FM ILT measurements at Room Temperature	3	PACS	Instrument		Bolometers	PAC-MA-TR-034	18/09/2007, v2.0	https://www.cosmos.esa.int/documents/12133/996891/Basic+Drive+Parameters+of+PACS+FM1+Chopper+From+FM+ILT+measurements+at+Room+Temperature	https://tinyurl.com/v8v87dv	PACS-186	Markus Nelbock, Ulrich Klaas, J. Schreiber, H. Dannerbauer, J.B
MTS11: Internal Calibration Sources Performance during cold FM ILT/IST	3	PACS	Instrument		Bolometers	PAC-MA-TR-032	26/10/2007, v1.1	https://www.cosmos.esa.int/documents/12133/996891/MTS11+Internal+Calibration+Sources+Performance+during+cold+FM+ILT/IST	https://tinyurl.com/v8v87dv	PACS-187	H. Dannerbauer, Ulrich Klaas, J. Schreiber & Koryo Okumura
Summary of Warm and Cold Short Functional Tests of PACS FC Chopper during FM ILT	3	PACS	Instrument		Bolometers	PAC-MA-TR-038	05/08/2007, v1.1	https://www.cosmos.esa.int/documents/12133/996891/Summary+of+Warm+and+Cold+Short+Functional+Tests+of+PACS+FC+Chopper+during+FM+ILT	https://tinyurl.com/v8v87dv	PACS-188	Markus Nelbock, 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	PAC-MA-TR-042	20/02/2008, v1.2	https://www.cosmos.esa.int/documents/12133/996891/Analysis+of+Warm+Short+Functional+Tests+of+the+PACS+Chopper+on+Integrated+System+Level	https://tinyurl.com/v8v87dv	PACS-189	Markus Nelbock, 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	PAC-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+Ge-Ga+Detector+Ramps	https://tinyurl.com/v778jef	PACS-190	Ulrich Klaas, Joris Boemmett, J. Schreiber, Caba Kis, ASB Moor, H. Dannerbauer, Markus Nelbock
FM ILS Spectrometer Spatial Calibration	3	PACS	Calibration		Spectrometer	PACS Test Analysis Report FM-ILT	21/12/2007, v.x	https://www.cosmos.esa.int/documents/12133/996891/FM+ILT+Spectrometer+Spatial+Calibration	https://tinyurl.com/v8v87dv	PACS-191	Alessandra Contursi
ODS Spots Observed from FOV Chopper Scans	3	PACS	Instrument		Bolometers	PAC-NHSC-TR-010	12/12/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996891/ODS+Spots+Observed+from+FOV+Chopper+Scans	https://tinyurl.com/v8v87dv	PACS-192	D. Fayer, Babar Ali, Darío Fadda, Phil Appleton
CBE check-out voltage test during IST	3	PACS	Instrument		Spectrometer	PAC-MA-TR-025	06/09/2008, v1.0	https://www.cosmos.esa.int/documents/12133/996891/CBE+check-out+voltage+test+during+IST	https://tinyurl.com/v8v87dv	PACS-193	J. Bouwman, Ulrich Klaas, J. Schreiber, H. Dannerbauer, Markus Nelbock
Cooler behavior during FM ILT	3	PACS	Instrument		Bolometers	SAP-PACS-MS-0669-07	10/11/2007, v2.0	https://www.cosmos.esa.int/documents/12133/996891/Cooler+behavior+during+FM+ILT	https://tinyurl.com/v8v87dv	PACS-194	Mark Sauvage
Functional and performance tests of PACS internal calibration sources during cold FMILT	3	PACS	Instrument		Photometer	PAC-MA-TR-033	05/11/2007, v1.1	https://www.cosmos.esa.int/documents/12133/996891/Functional+and+performance+tests+of+PACS+internal+calibration+sources+during+cold+FM+ILT	https://tinyurl.com/v8v87dv	PACS-195	H. Dannerbauer, Ulrich Klaas, Joris Boemmett, Markus Nelbock & J. Schreiber
MTS11: Internal Calibration Sources Performance during cold FM ILT/IST	3	PACS	Instrument		Bolometers	PAC-MA-TR-032	26/10/2007, v1.1	https://www.cosmos.esa.int/documents/12133/996891/MTS11+Internal+Calibration+Sources+Performance+during+cold+FM+ILT/IST	https://tinyurl.com/v8v87dv	PACS-196	H. Dannerbauer, Ulrich Klaas, Joris Boemmett, Markus Nelbock & J. Schreiber
Chopper Synchronous Operation with Ge-Ga Detectors	3	PACS	Instrument								

Bolometer Spatial Calibration	3	PACS	Instrument	Photometer	Bol Spatial Cal	25/04/2007, v0.0	https://www.cosmos.esa.int/documents/12133/996891/Bolometer+Signal+Calibration/	https://tinyurl.com/v334kpw	PACS-199	Dieter Lutz & Paolo Poggiani
Optimum Detector Bias Settings for Ge-Ga Detectors, Time Constant/Bias Change Spectrometer from FM-ILT/ST	3	PACS	Instrument	Spectrometer	PCC-MA-TR-27	01/06/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Default+tm+detector+bias+settings+for+GeGa+detectors	https://tinyurl.com/yd6b7d4r	PACS-200	J. Schreiber, Ulrich Klau, H. Dannbauer, Markus Nelböck, J. Bouman
Dark current of Ge-Ga Detectors from FMI-LT	3	PACS	Instrument	Spectrometer	PCC-MA-TR-029	25/08/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Characterization+of+GeGa+detectors+from+FM-ILT	https://tinyurl.com/9W6t9vq	PACS-201	J. Schreiber, Ulrich Klau, H. Dannbauer, Markus Nelböck, J. Bouman
IMT SDA Chopper Performance Test during cold FM-ILT/ST	3	PACS	Instrument	Bolometers	PCC-MA-TR-033	25/08/2007, v1.1	https://www.cosmos.esa.int/documents/12133/996891/IMT+SDA+Chopper+Performance+Test+during+cold+FM-ILT+ST	https://tinyurl.com/y3tso7z6	PACS-202	J. Bouman, Ulrich Klau, Markus Nelböck, H. Dannbauer, J. Schreiber
Switch-On Bolometer Current Stability	3	PACS	Instrument	Photometer	PCC-NHSC-TR-006	04/09/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996891/FMI-LT+Switch+On+Bolometer+Current+Stability	https://tinyurl.com/y3vqrd55	PACS-203	D. Fryer, Marc Sauvage, Koryo Okumura, Babar Ali
Bolometer FOV Chopper Scans	3	PACS	Instrument	Photometer	PCC-NHSC-TR-002	04/09/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Bolometer+FOV+Chopper+Scans	https://tinyurl.com/yf8af4p	PACS-204	Babar Ali, S. Fryer, Phil Agolito, II
Spectrometer MEP during FM-ILT	3	PACS	Instrument	Spectrometer	PCC-NHSC-TR-008	12/08/2007, v0.0	https://www.cosmos.esa.int/documents/12133/996891/Spectrometer+MEP+during+FM-ILT	https://tinyurl.com/y3z720st	PACS-205	D. Fryer, Phil Agolito
Dark Current of Ge-Ga Detectors from FMI-ILT/ST	3	PACS	Instrument	Spectrometer	PCC-MA-TR-026	20/08/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Characterization+of+GeGa+detectors+from+FM-ILT+ST	https://tinyurl.com/y8vowz68	PACS-207	J. Schreiber, Ulrich Klau, H. Dannbauer, Markus Nelböck, J. Bouman
Spectrometer Field of View Scan during FM-ILT/ST	3	PACS	Instrument	Spectrometer	PCC-MA-TR-028	04/10/2007, v1.1	https://www.cosmos.esa.int/documents/12133/996891/Spectrometer+Field+of+View+Scan+during+FM-ILT+ST	https://tinyurl.com/yv7t9tq6	PACS-208	J. Schreiber, Ulrich Klau, H. Dannbauer, Markus Nelböck, J. Bouman
Basic Drive Parameters of PACS FS Chopper, Specific Torque, Open Loop Oscillation Frequency & Damping	3	PACS	Instrument	Bolometers	PCC-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	https://tinyurl.com/yawwvz6h	PACS-209	Ulrich Klau, J. Schreiber, Markus Nelböck, H. Dannbauer, Joris Bloemman
Angular Calibration and Zero Point Offset Determination of PACS FS Chopper at He II	3	PACS	Instrument	Bolometers	PCC-MA-TR-020	01/08/2007, v2.0	https://www.cosmos.esa.int/documents/12133/996891/Angular+Calibration+and+Zero+Point+Offset+Determination+of+PACS+FS+Chopper+at+HeII	https://tinyurl.com/yvz6k6	PACS-210	Ulrich Klau, J. Schreiber, Markus Nelböck, H. Dannbauer, Joris Bloemman
Basic Drive Parameters of PACS FMI Chopper, Specific Torque, Open Loop Oscillation Frequency and Damping	3	PACS	Instrument	Bolometers	PCC-MA-TR-013	30/07/2007, v1.2	https://www.cosmos.esa.int/documents/12133/996891/Basic+Drive+Parameters+of+PACS+FMI+Chopper+Specific+Torque	https://tinyurl.com/y5v78by	PACS-211	Markus Nelböck, Ulrich Klau, J. Schreiber, H. Dannbauer, J.B. Bouman
Performance of the DDCS mode with an alternate sequencer	3	PACS	Instrument	Photometer	Ssp.PACS.M5.0652.07	26/07/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Performance+of+the+DDCS+mode+with+an+alternate+sequencer	https://tinyurl.com/yvz6k6	PACS-213	Marc Sauvage, Koryo Okumura
Thermal Behaviour Tests During FM-ILT: SPEC & PHOT	3	PACS	Instrument	Bolometers	PCC-MA-TR-003	24/07/2007, v1.2	https://www.cosmos.esa.int/documents/12133/996891/Thermal+Behaviour+Tests+during+FM-ILT+-+SPEC+and+PHOT	https://tinyurl.com/y3kthw6	PACS-214	Thomas Mueller
Bolometer Spatial Calibration	3	PACS	Instrument	Photometer	PACS Test Analysis Report FM-ILT Bol Spatial Cal	01/07/2007, v0.0	https://www.cosmos.esa.int/documents/12133/996891/Bolometer+Signal+Calibration	https://tinyurl.com/y8z6z6	PACS-215	Dieter Lutz
Angular Calibration and Zero Point Offset Determination of PACS FMI Chopper	3	PACS	Instrument	Bolometers	PCC-MA-TR-020	01/07/2007, v1.1	https://www.cosmos.esa.int/documents/12133/996891/Chopper+Angular+Calibration+and+Zero+Point+Offset+Determination	https://tinyurl.com/yvz6k6	PACS-216	Markus Nelböck, Ulrich Klau, J. Bouman, H. Dannbauer, J. Schreiber
FMI-ILT 3 Spectrometer Spatial Calibration	3	PACS	Instrument	Spectrometer	FMI-ILT 3 Spectrometer Spatial Calibration	06/06/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996891/FMI-ILT+3+Spectrometer+Spatial+Calibration	https://tinyurl.com/y3z6z6	PACS-217	Alexandra Cantoni
Some plots from March 2007 tests related to bolometer PSF	3	PACS	Instrument	Photometer	PCC-MA-TR-030	03/05/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Some+plots+from+March+2007+tests+related+to+bolometer+PSF	https://tinyurl.com/yvz6k6	PACS-218	Dieter Lutz
DMC/IMC housekeeping Calibration Report	3	PACS	Instrument	Bolometers	PACS-CL-RR-001	04/04/2007, v1.11	https://www.cosmos.esa.int/documents/12133/996891/DMC+IMC+housekeeping+calibration+report	https://tinyurl.com/y8z6z6	PACS-219	Stefan Billet, A. Masj, E. Cahuz, E. Remate
Switch-on bolometer current stability	3	PACS	Instrument	Spectrometer	PCC-NHSC	23/05/2007, v0.0	https://www.cosmos.esa.int/documents/12133/996891/Switch+on+bolometer+current+stability	https://tinyurl.com/y8z6z6	PACS-220	D. Fryer, Marc Sauvage, Koryo Okumura, Babar Ali
Thermal Behaviour Tests During FM-ILT: SPEC & PHOT	3	PACS	Instrument	Bolometers	PCC-MA-TR-002	21/03/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Thermal+Behaviour+Tests+during+FM-ILT+-+SPEC+and+PHOT	https://tinyurl.com/y3kthw6	PACS-221	Thomas Mueller
Angular Calibration and Zero Point Offset FMI Chopper Hill	3	PACS	Instrument	Bolometers	PCC-MA-TR-021	09/03/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Angular+Calibration+and+Zero+Point+Offset+FMI+Chopper+Hill	https://tinyurl.com/y8z6z6	PACS-222	Markus Nelböck, Ulrich Klau, H. Dannbauer, J. Schreiber
Wavelength Calibration of FM-ILT Phase 1	3	PACS	Instrument	Spectrometer	Calibration Analysis Report PEG 4 & 1	12/02/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Calibration+Analysis+Report+PEG+4+and+1	https://tinyurl.com/yvz6k6	PACS-223	Helmuth Faustgruber
Basic bias and non-linearity	3	PACS	Instrument	Photometer	PACS Test Analysis Report FM-ILT PEG 4 & 1	17/02/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Basic+Bias+and+Non-Linearity	https://tinyurl.com/yvz6k6	PACS-224	Nicolas Billet, Koryo Okumura
Bolometer FOV Chopper Scans	3	PACS	Instrument	Photometer	PCC-NHSC-TR-002	10/01/2007, v0.0	https://www.cosmos.esa.int/documents/12133/996891/Bolometer+FOV+Chopper+Scans	https://tinyurl.com/yvz6k6	PACS-225	Fryer, A. Fadda, Agolito, & Jacobson
Functional and Performance Tests of Mechanisms (Gearing, Hyster, Ratchet, Rotor Wheels)	3	PACS	Instrument	Spectrometer	PACS Test Analysis Report FMI-ILT	08/01/2007, v0.4	https://www.cosmos.esa.int/documents/12133/996891/Functional+and+Performance+Tests+of+Mechanisms	https://tinyurl.com/y8z6z6	PACS-226	Harrie 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	https://tinyurl.com/y8z6z6	PACS-227	D. Fryer
SFT (pre conditions) of the Chopper and Internal Calibration Sources	3	PACS	Instrument	Bolometers	PCC-MA-TR-011	16/01/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996891/SFT+Pre+Conditions+of+the+Chopper+and+Internal+Calibration+Sources	https://tinyurl.com/yvz6k6	PACS-228	H. Dannbauer, Ulrich Klau, Joris Bloemman, Markus Nelböck, J. Schreiber
Open Loop Measurements of Chopper (FS model) at Room Temperature	3	PACS	Instrument	Bolometers	PCC-MA-TR-017	09/01/2007, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Basic+Drive+Parameters+of+PACS+FS+Chopper+Open+Loop	https://tinyurl.com/yvz6k6	PACS-229	Ulrich Klau, J. Schreiber, H. Dannbauer, Markus Nelböck
Report on the FM-ILT PRFU functional tests	3	PACS	Instrument	Photometer	Ssp.PACS.M5.0652.06	01/12/2006, v4.0	https://www.cosmos.esa.int/documents/12133/996891/Report+on+the+FM-ILT+PRFU+functional+tests	https://tinyurl.com/yvz6k6	PACS-230	Marc Sauvage
Are the three modes (Sbo only, Sml only, Sbo+Sml) correctly interpreted?	3	PACS	Instrument	Photometer	Ssp.PACS.M5.0652.06	08/12/2006, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Are+the+three+modes+correctly+interpreted	https://tinyurl.com/yvz6k6	PACS-231	Marc Sauvage
Further Investigations of Chopper Angle vs. Current, and Specific Torque Behaviour	3	PACS	Instrument	Bolometers	PCC-MA-TR-014	27/11/2006, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Investigation+of+PACS+Chopper+Angle+vs+Current+and+Specific+Torque+Behaviour	https://tinyurl.com/y8z6z6	PACS-232	Ulrich Klau, J. Schreiber, H. Dannbauer
Basic Drive Parameters Chopper Specific Torque, Open Loop Oscillation, Frequency, and Damping	3	PACS	Instrument	Bolometers	PCC-MA-TR-013	24/11/2006, v1.3	https://www.cosmos.esa.int/documents/12133/996891/Basic+Drive+Parameters+of+PACS+FS+Chopper+Specific+Torque+Open+Loop+Oscillation+Frequency+and+Damping	https://tinyurl.com/yvz6k6	PACS-233	Ulrich Klau, J. Schreiber, H. Dannbauer
Angular Calibration of Chopper	3	PACS	Instrument	Bolometers	PCC-MA-TR-009	20/11/2006, v1.5	https://www.cosmos.esa.int/documents/12133/996891/Angular+Calibration+of+Chopper	https://tinyurl.com/y8z6z6	PACS-234	Ulrich Klau, J. Schreiber, H. Dannbauer
Special Investigation Chopper Angle vs. Current, Specific Torque, and Open Loop Behaviour	3	PACS	Instrument	Bolometers	PCC-MA-TR-016	30/11/2006, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Special+Investigation+Chopper+Angle+vs+Current+Specific+Torque+and+Open+Loop+Behaviour	https://tinyurl.com/y8z6z6	PACS-235	Ulrich Klau, J. Schreiber, H. Dannbauer
SFT Warm Chopper and Internal Calibration Sources	3	PACS	Instrument	Bolometers	PCC-MA-TR-010	23/11/2006, v1.0	https://www.cosmos.esa.int/documents/12133/996891/SFT+Warm+Chopper+and+Internal+Calibration+Sources	https://tinyurl.com/y8z6z6	PACS-236	H. Dannbauer, Ulrich Klau, J. Schreiber
OSSE Characterisation during CDM/FM-ILT	3	PACS	Instrument	Bolometers	PCC-MA-TR-005	06/11/2006, v1.0	https://www.cosmos.esa.int/documents/12133/996891/OSSE+Characterisation+during+CDM/FM-ILT	https://tinyurl.com/y8z6z6	PACS-237	T. G. Muller
Aided Calibration Quality Information for COP and Early PV	3	PACS	Calibration	Spectrometer	Approved Calibration Quality Information for COP and Early PV	06/05/2006, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Aided+Calibration+Quality+Information+for+COP+and+Early+PV	https://tinyurl.com/y8z6z6	PACS-238	Thomas Müller
FM Proton Irradiation Tests High & Low Stress Modules I - Glitch Effects & Curing	3	PACS	Calibration	Spectrometer	PCC-IL-TN-002	11/01/2006, v1.0	https://www.cosmos.esa.int/documents/12133/996891/FM+Proton+Irradiation+Tests+High+and+Low+Stress+Modules+I+-+Glitch+Effects+and+Curing	https://tinyurl.com/y8z6z6	PACS-239	P. Royer
FM Proton Irradiation Tests High & Low Stress Modules II - Noise evolution Curing Frequency and Detector settings	3	PACS	Calibration	Spectrometer	PCC-IL-TN-003	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	https://tinyurl.com/y8z6z6	PACS-240	P. Royer
Simulations and analysis of PACS Spectrometer Ramps under irradiation conditions - impact on science goals and AOT design	3	PACS	Calibration	Spectrometer	PCC-IL-TN-005	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	https://tinyurl.com/y8z6z6	PACS-242	Martin Groenewegen
Gen4x Simulations of GeGa module behaviour under Proton Irradiation	3	PACS	Calibration	Spectrometer	PCC-IL-TN-004	07/06/2006, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Gen4x+Simulations+of+GeGa+Module+Behaviour+under+Proton+Irradiation	https://tinyurl.com/y8z6z6	PACS-245	Christian Bongardo & Paolo Andriani
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	Spectrometer	PACS-ME-TR-006	10/01/2006, v1.2	https://www.cosmos.esa.int/documents/12133/996891/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	https://tinyurl.com/y8z6z6	PACS-246	R. Katterliher, 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	Spectrometer	PACS-ME-TR-009	02/10/2005, v3.1	https://www.cosmos.esa.int/documents/12133/996891/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	https://tinyurl.com/y8z6z6	PACS-247	R. Katterliher, L. Barl, J. Schubert
Cold Performance Tests on FM High Stress GeGa-Detector Modules	3	PACS	Calibration	Spectrometer	PACS-ME-TR-003	10/08/2006, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Cold+Performance+Tests+on+FM+High+Stress+GeGa-Detector+Modules	https://tinyurl.com/y8z6z6	PACS-248	L. Barl
Fitting PACS rimps with analytical models Part III The IMEC model	3	PACS	Calibration	Spectrometer	PCC-IL-TN-010	27/05/2006, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Fitting+PACS+Rimps+with+Analytical+Models+Part+III+The+IMEC+Model	https://tinyurl.com/y8z6z6	PACS-249	Martin Groenewegen
Analysis of the April 2005 proton test data	3	PACS	Calibration	Spectrometer	PCC-IL-TN-001	03/04/2006, v2.0	https://www.cosmos.esa.int/documents/12133/996891/Analysis+of+the+April+2005+Proton+Test+Data	https://tinyurl.com/y8z6z6	PACS-250	Martin Groenewegen & Harrie Royer
GeGa Detector Array for PACS and FFI LS	3	PACS	Instrument							

ACT RELATED ASPECTS FOR THE PACS SPECTROMETER	3	PACS	Instrument	Pre-flight testing	AOT design	Spectrometer	https://www.cosmos.esa.int/documents/12133/996891/AOT+LATE+ASPECTS+FOR+THE+PACS+SPECTROMETER	https://tinyurl.com/vb9r56	PACS-25	G. Müller
Fitting PACS ramps with analytical models. Part I	3	PACS	Calibration	Detector	FullLight/GaGa tests/ramps	Spectrometer	https://www.cosmos.esa.int/documents/12133/996891/Fitting+PACS+ramps+with+analytical+models+Part+I	https://tinyurl.com/vqz9z9e	PACS-26	Martin Groenewegen
Fitting PACS ramps with analytical models. Part II	3	PACS	Calibration	Detector	FullLight/GaGa tests/ramps	Spectrometer	https://www.cosmos.esa.int/documents/12133/996891/Fitting+PACS+ramps+with+analytical+models+Part+II	https://tinyurl.com/vqz9z9e	PACS-27	Martin Groenewegen
Measuring the beams: wings	3	PACS	Calibration	Beams		Photometer	https://www.cosmos.esa.int/documents/12133/996891/Measuring+the+beams+wings	https://tinyurl.com/vqz9z9e	PACS-28	A. Pagliuch
Transient Investigation Monochromatic trends	3	PACS	Instrument	Chopper		Spectrometer	https://www.cosmos.esa.int/documents/12133/996891/Transient+Investigation+Monochromatic+trends	https://tinyurl.com/v5883bn	PACS-29	Alessandra Contursi
Evolution of Telescope Background with Time by OD	3	PACS	Calibration	Background		Spectrometer	https://www.cosmos.esa.int/documents/12133/996891/evolution+of+Telescope+Background+with+Time+by+OD	https://tinyurl.com/v5883bn	PACS-30	A. Pagliuch
Evolution of Telescope Background with Time by OD - comparison with test model	3	PACS	Calibration	Background		Spectrometer	https://www.cosmos.esa.int/documents/12133/996891/evolution+of+Telescope+Background+with+Time+by+OD+-+comparison+with+test+model	https://tinyurl.com/vb3b9z5	PACS-31	A. Pagliuch
Linearity of the spectrometer signal: high flux calibration sources	3	PACS	Calibration			Spectrometer	https://www.cosmos.esa.int/documents/12133/996891/linearity+of+the+spectrometer+signal+-+high+flux+calibration+sources	https://tinyurl.com/va9z9z4	PACS-33	Christophe Jean
spectraEstimator and specFlatFieldRange2	3	PACS	Data processing			Spectrometer	https://www.cosmos.esa.int/documents/12133/996891/specEstimator+and+specFlatFieldRange2	https://tinyurl.com/v5883bn	PACS-34	Roland Vanvek
First Summary of Neptune Beam Measurements	3	PACS	Calibration	Beams		Spectrometer	https://www.cosmos.esa.int/documents/12133/996891/First+Summary+of+Neptune+Beam+Measurements	https://tinyurl.com/v5883bn	PACS-35	A. Pagliuch
Test Plan and Procedure for Detector Spectral Measurements at LENS	3	PACS	Calibration	Pre-flight testing	Wavelength	Spectrometer	https://www.cosmos.esa.int/documents/12133/996891/Test+Plan+and+Procedure+for+Detector+Spectral+Measurements+at+LENS	https://tinyurl.com/vqz9z9e	PACS-266	R. Katterlaher
PACS Spectrometer simulated flux modulation by pointing jitter	3	PACS	Calibration			Presentation	https://www.cosmos.esa.int/documents/12133/996891/PACS+Spectrometer+simulated+flux+modulation+by+pointing+jitter	https://tinyurl.com/vb9r56	PACS-267	Roland Vanvek
PACS Spectrometer response estimates from unchopped OFF-position scans	3	PACS	Calibration			Spectrometer	https://www.cosmos.esa.int/documents/12133/996891/PACS+Spectrometer+response+estimates+from+unchopped+OFF-position+scans	https://tinyurl.com/v79z9z4	PACS-268	Roland Vanvek
Spectrometer Wavelength Calibration	3	PACS	Calibration	Wavelength		Spectrometer	https://www.cosmos.esa.int/documents/12133/996891/Spectrometer+Wavelength+Calibration	https://tinyurl.com/v79z9z4	PACS-269	Helmuth Feuchthuber
Technical Note on Cube Interpolation Validation	3	PACS	Data processing			Spectrometer	https://www.cosmos.esa.int/documents/12133/996891/Technical+Note+on+Cube+Interpolation+Validation	https://tinyurl.com/vb9z9z4	PACS-270	Elena Paga
PACS-5 Spectroplate Validation and Testing	3	PACS	Data processing			Spectrometer	https://www.cosmos.esa.int/documents/12133/996891/PACS-5+Spectroplate+Validation+and+Testing	https://tinyurl.com/vb9z9z4	PACS-271	Elena Paga, B. Vanderbosch, P. Royer & de Jong
PACS Spectrometer RSB reconstruction from unchopped OFF-position scan	3	PACS	Calibration			Spectrometer	https://www.cosmos.esa.int/documents/12133/996891/PACS+Spectrometer+RSB+reconstruction+from+unchopped+OFF-position+scan	https://tinyurl.com/v9z9z4	PACS-275	Roland Vanvek
The derivation of the PACS spectral calibrations from raster calibration observations	3	PACS	Calibration	Beams		Spectrometer	https://www.cosmos.esa.int/documents/12133/996891/The+derivation+of+the+PACS+spectral+calibrations+from+raster+calibration+observations	https://tinyurl.com/vb9z9z4	PACS-276	PACS ICC
PACS spectrometer spatial calibration	3	PACS	Calibration	Beams	Beams, focal plane geometry	Spectrometer	https://www.cosmos.esa.int/documents/12133/996891/PACS+spectrometer+spatial+calibration	https://tinyurl.com/vb9z9z4	PACS-277	Alessandra Contursi
Guide to using the AOT table for PACS spectroscopy: ReadMe	3	PACS	Data products			Spectrometer	https://www.cosmos.esa.int/documents/12133/996891/Guide+to+using+the+AOT+table+for+PACS+spectroscopy+-+ReadMe	https://tinyurl.com/vb9z9z4	PACS-278	Katrina Ester
Guide to using the AOT table for PACS spectroscopy: Metadata table (Excel)	3	PACS	Data products			Spectrometer	https://www.cosmos.esa.int/documents/12133/996891/Guide+to+using+the+AOT+table+for+PACS+spectroscopy+-+Excel+Metadata+table	https://tinyurl.com/vb9z9z4	PACS-279	Katrina Ester
Guide to using the AOT table for PACS spectroscopy: Metadata table (CSV)	3	PACS	Data products			Spectrometer	https://www.cosmos.esa.int/documents/12133/996891/Guide+to+using+the+AOT+table+for+PACS+spectroscopy+-+CSV+Metadata+table	https://tinyurl.com/vb9z9z4	PACS-280	Katrina Ester
Guide to using the AOT table for PACS spectroscopy: tarball	3	PACS	Data products			Spectrometer	https://www.cosmos.esa.int/documents/12133/996891/Guide+to+using+the+AOT+table+for+PACS+spectroscopy+-+tarball	https://tinyurl.com/vb9z9z4	PACS-281	Katrina Ester
Least Squares Image Estimation for Large Data in the Presence of Noise and Irregular Sampling	3	PACS	Data processing	Mapper		Photometer	https://www.cosmos.esa.int/documents/12133/996891/Least+Squares+Image+Estimation+for+Large+Data+in+the+Presence+of+Noise+and+Irregular+Sampling	https://doi.org/10.1101/121727	PACS-287	Luca Pizzuto
PACS spectroscopy chop/nod FPG verification from line scan maps OD 150-373	3	PACS	Calibration			Spectrometer	https://www.cosmos.esa.int/documents/12133/996891/PACS+spectroscopy+chop/nod+FPG+verification+from+line+scan+maps+OD+150-373	https://tinyurl.com/vb9z9z4	PACS-312	Bart Vanderbosch
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	https://www.cosmos.esa.int/documents/12133/996891/Analysis+of+the+December+2006+proton+test+data+on+the+high-stress+module+and+the+2006+cold+performance+tests+on+the+high-stress+module	https://tinyurl.com/vqz9z9e	PACS-313	Martin Groenewegen
Geant Simulations of GaGa module behaviour under Proton Irradiation - Part 1: Tests of April 2005	3	PACS	Calibration	Detector		Spectrometer	https://www.cosmos.esa.int/documents/12133/996891/Geant+Simulations+of+GaGa+module+behaviour+under+Proton+Irradiation+-+Part+1+-+Tests+of+April+2005	https://tinyurl.com/vqz9z9e	PACS-314	Christian Bongardo & Paola Andriani
PACS Pointing Calibration Sources	3	PACS	Calibration	Pointing		Bolometers	https://www.cosmos.esa.int/documents/12133/996891/PACS+Pointing+Calibration+Sources	https://tinyurl.com/vqz9z9e	PACS-315	M. Heibrock, B. Allari, J. Blommaert, H. Danneberg, M. Groenewegen, U. Kuehl, B. D. Lutz
Analysis of the October 2005 proton test data on the low-stress module	3	PACS	Calibration	Detector		Spectrometer	https://www.cosmos.esa.int/documents/12133/996891/Analysis+of+the+October+2005+proton+test+data+on+the+low-stress+module	https://tinyurl.com/vqz9z9e	PACS-316	Martin Groenewegen
PACS photometer calibration block analysis	3	PACS	Data processing	Data Reduction		Photometer	https://www.cosmos.esa.int/documents/12133/996891/PACS+photometer+calibration+block+analysis	https://tinyurl.com/vqz9z9e	PACS-320	A. Meier, T. G. Müller, C. Kiss, Z. Bék, N. Bittl & G. Marton
SOV2-7 Test report: Dark current measurements in spectroscopy	3	PACS	Instrument	Calibration	Dark current	Spectrometer	https://www.cosmos.esa.int/documents/12133/996891/SOV2-7+Test+report+-+Dark+current+measurements+in+spectroscopy	https://tinyurl.com/vqz9z9e	PACS-332	C. Jean & P. Royer
Hershel/PACS modified PPA	3	PACS	Calibration	Beams		Photometer	https://www.cosmos.esa.int/documents/12133/996891/Hershel/PACS+modified+PPA	https://tinyurl.com/vb9z9z4	PACS-37	H. Gais & D. Lutz
The Herschel/PACS Spectrometer Pipeline	3	PACS	Data processing	Data Reduction		Spectrometer	https://www.cosmos.esa.int/documents/12133/996891/The+Herschel/PACS+Spectrometer+Pipeline	https://tinyurl.com/vb9z9z4	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	https://www.cosmos.esa.int/documents/12133/996891/The+Herschel+PACS+Pipeline+Extensions+-+Making+Tasks+and+Scripts+Suitable+for+Interactive+and+Automatic+Processing	https://tinyurl.com/vb9z9z4	PACS-54	Ji-Jing, J. A., Wisprach, E., Schrieber, J., Huggen, R., Wetzstein, M., Royer, P., Vanderbosch, B., Ester, C., Vouras, R., Goncalves, J., Diaz, J., Bakker, J., Sturm, E.
Recording the History of Herschel Data Processing in the Data Products	3	PACS	Data processing	Data Reduction		Bolometers	https://www.cosmos.esa.int/documents/12133/996891/Recording+the+History+of+Herschel+Data+Processing+in+the+Data+Products	https://tinyurl.com/vb9z9z4	PACS-55	Ji-Jing, J. A., Huggen, R., Bakker, J., Wisprach, E., Vouras, R., Wetzstein, M., Schrieber, J., Sturm, E., Ott, S.
Transient corrector for the unchopped mode	3	PACS	Data processing	Data Reduction	Interactive pipeline/unchopped	Spectrometer	https://www.cosmos.esa.int/documents/12133/996891/Transient+corrector+for+the+unchopped+mode	https://tinyurl.com/vb9z9z4	PACS-58	David Fiala, Willy Jacobson, Phil Appleton
Adaptive removal of GEMs makes by means of post-processing	3	PACS	Data processing	Data Reduction	Mapper, Artifacts	Spectrometer	https://www.cosmos.esa.int/documents/12133/996891/Adaptive+removal+of+GEMs+makes+by+means+of+post-processing	https://doi.org/10.1101/121709	PACS-59	Renzo L. et al.
Defining PACS Photometer Data	3	PACS	Data processing	Data Reduction		Photometer	https://www.cosmos.esa.int/documents/12133/996891/Defining+PACS+Photometer+Data	https://tinyurl.com/vb9z9z4	PACS-6	Nicola Betti
PACS Spectrometer Flux calibration with the calibration blocks	3	PACS	Calibration	Flux Calibration		Spectrometer	https://www.cosmos.esa.int/documents/12133/996891/PACS+Spectrometer+Flux+calibration+with+the+calibration+blocks	https://tinyurl.com/vb9z9z4	PACS-62	Christophe Jean, Pierre Royer, Bart Vanderbosch
First results with the bobolinkov algorithm: Photometry of faint standard stars observed by Herschel/PACS	3	PACS	Data processing	Data Reduction		Photometer	https://www.cosmos.esa.int/documents/12133/996891/First+results+with+the+bobolinkov+algorithm+-+Photometry+of+faint+standard+stars+observed+by+Herschel/PACS	https://doi.org/10.1007/s11308-013-0061-2	PACS-69	Gilbert Marton, Roland Vanvek, Cabaico, K., Thomas, G., Müller, A. Moor et al.
Umap and Flux calibration accuracy	3	PACS	Calibration	Flux Calibration	Data Reduction	Photometer	https://www.cosmos.esa.int/documents/12133/996891/Umap+and+Flux+calibration+accuracy	https://tinyurl.com/vb9z9z4	PACS-64	Stefano Pizzuto & Lorenzo Pizzuto
The Photodetector Array Camera and Spectrometer (PACS) for Herschel	3	PACS	Overview	General	PACS instrument	Bolometers	https://www.cosmos.esa.int/documents/12133/996891/The+Photodetector+Array+Camera+and+Spectrometer+PACS+for+Herschel	https://doi.org/10.1117/12.70004	PACS-67	Paglich, Alberto, Warkentin, Christof, Bauer, Otto H., Capa, Inés, Feuchthuber, Helmut, Thomas van der, Chris, Kerzhbaum, Franz, Vouras, Oliver, Rendón, Eleazar, Rodríguez, Lucio, Saraceno, Pablo, Vanderbosch, Bart
The PACS Instrument	3	PACS	Overview	General	PACS instrument	Bolometers	https://www.cosmos.esa.int/documents/12133/996891/The+PACS+Instrument	https://tinyurl.com/vb9z9z4	PACS-68	
The PACS Instrument	3	PACS	Overview	General	PACS instrument	Bolometers	https://www.cosmos.esa.int/documents/12133/996891/The+PACS+Instrument	https://tinyurl.com/vb9z9z4	PACS-69	Paglich et al.
Gilches and Herschel Bolometers	3	PACS	Instrument	InfLight	Bolometer	Photometer	https://www.cosmos.esa.int/documents/12133/996891/Gilches+and+Herschel+Bolometers	https://tinyurl.com/vb9z9z4	PACS-71	H. Horeau et al.,
Gilch stars on GaGa detector	3	PACS	Instrument	InfLight	GaGa	Spectrometer	https://www.cosmos.esa.int/documents/12133/996891/Gilch+stars+on+GaGa+detector	https://tinyurl.com/vb9z9z4	PACS-72	Helmuth Feuchthuber
Inverse time-time correlation noise calibration data	3	PACS	Data processing	Data Reduction		Photometer	https://www.cosmos.esa.int/documents/12133/996891/Inverse+time-time+correlation+noise+calibration+data	https://tinyurl.com/vb9z9z4	PACS-73	D. Frayer
Simulations of the Point Source AOT sensitivity	3	PACS	Calibration	Calibration		Photometer	https://www.cosmos.esa.int/documents/12133/996891/Simulations+of+the+Point+Source+AOT+sensitivity	https://tinyurl.com/vb9z9z4	PACS-78	Marc Sauvage

PACS homogeneous SED and Nyquist spectral sampling	3	PACS	Instrument	ADT/design		Spectrometer	PCC-EL-TN-040	25/02/2010, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+homogeneous+SED+and+Nyquist+spectral+sampling	https://biturl.com/vbnc69k	PACS-79	Bart Vandenbroucke & Pierre Royer
Non-standard ADRL for PACS photometer spatial calibration	3	PACS	Instrument	ADT/nonStd		Photometer	PCC-ME-TN-028	13/11/2008, v0.0	https://www.cosmos.esa.int/documents/12133/996891/Non-standard+ADRL+for+PACS+photometer+spatial+calibration	https://biturl.com/vd83b7s	PACS-80	Dieter Lutz & Vanessa Doublier
PACS PV phase photometer point source ADT evaluation: Test case: HD 139669	3	PACS	Instrument	ADT/validation		Photometer	PCC-MA-TN-030	09/11/2009, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+pv+phot+point+source+ADT+evaluation	https://biturl.com/v78wdfn	PACS-81	Markus Neiböck
Photometer noise calibration file	3	PACS	Calibration	Bolometers	FluxCal, Noise	Photometer	PCC-ME-TN-030	05/05/2009, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+photometer+noise+calibration+file	https://biturl.com/va3jgndc	PACS-84	E. Weieracht, K. Okumura & D. Lutz
Use of tile type stars for PACS wavelength calibration	3	PACS	Calibration	Calibration	WaveCal	Spectrometer	PCC-ME-TN-011	10/10/2004, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Use+of+tile+type+stars+for+PACS+wavelength+calibration	https://biturl.com/v87e2gdc	PACS-86	Dieter Lutz
MMT dithering in the presence of digitisation noise	3	PACS	Data processing	Data Reduction		Photometer	Sap-PACS-ME-0708-00	07/09/2009, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Multi+calibration+MMT+dithering+in+the+presence+of+digitisation+noise	https://biturl.com/v96r3ubd	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+don+t+about+back+projection	https://biturl.com/vcn0lbg	PACS-88	Marc Sauvage
MA2Map extended source calibration I: The Blue Channel	3	PACS	Data processing	Data Reduction	Mappers, FluxCal	Photometer	PCC-NHSC-TN-030	01/11/2010, v1.0	https://www.cosmos.esa.int/documents/12133/996891/MA2+map+extended+source+calibration+I+The+Blue+Channel	https://biturl.com/va338jex	PACS-89	Babar Ali
The bandwidth of the PACS photometric system	3	PACS	Calibration	Flux Calibration		Photometer	PCC-CR-TN-044	07/05/2011, v1.1	https://www.cosmos.esa.int/documents/12133/996891/The+bandwidth+of+the+PACS+photometric+system	https://biturl.com/v75s6f8n	PACS-90	Stefano Pozzato
Assessment analysis of the extended emission calibration for the PACS red channel	3	PACS	Calibration	Flux Calibration		Photometer	PCC-NHSC-TN-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	https://biturl.com/va4c33cf	PACS-91	NHSC
Experiments in photometric measurements of extended sources	3	PACS	Data processing	Flux Calibration		Photometer	Sap-PACS-MS-0718-11	18/01/2011, v0.1	https://www.cosmos.esa.int/documents/12133/996891/Experiments+in+photometric+measurements+of+extended+sources	https://biturl.com/vb0ctub4	PACS-92	Marc Sauvage
Surface brightness comparison of PACS blue array with IRAS and Spitzer/MIPS images	3	PACS	Calibration	Flux Calibration		Photometer	PCC-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	https://biturl.com/vdtt6m0n	PACS-93	Babar Ali
PACS Photometer: Point source flux calibration	3	PACS	Calibration	Flux Calibration		Photometer	PCC-ME-TN-037	12/04/2011, v1.0	https://www.cosmos.esa.int/documents/12133/996891/PACS+Photometer+Point+Source+Flux+Calibration	https://biturl.com/vb3c8qks	PACS-94	Thomas Mueller, Markus Neiböck, Zoltan Balog, Ulrich Klaas, Eva Velasco
Fitness of calibration sources: quick study	3	PACS	Calibration	Flux Calibration		Spectrometer	Field of view stars on DR 75	02/10/2011, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Fitness+of+calibration+sources+quick+study	https://biturl.com/v8am3m0n	PACS-95	Christophe Jean
PACS responsivity from standard star observations	3	PACS	Calibration	Flux Calibration	inFlight/Bolo	Bolometers	Sap-PACS-HA-0713-00	20/10/2009, v0.1	https://www.cosmos.esa.int/documents/12133/996891/PACS+responsivity+from+standard+star+observations	https://biturl.com/v8w8n07s	PACS-96	Henri Aussel
Calibration source emissivity: text report	3	PACS	Calibration	Flux Calibration	CalSource	Spectrometer	PCC-EL-TN-000	01/02/2009, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Calibration+source+emissivity+text+report	https://biturl.com/vd8t1u0e	PACS-97	Bart Vandenbroucke, Alessandra Contursi, Helmut Freyberger, Katrin Exler, Christophe Jean, Albrecht Pogitsch, Elena Puga, Pierre Royer, Roland Vavrek
Faint linear artifact in PACS photometer	3	PACS	Data processing	inflight	Artifacts	Photometer	Sap-PACS-AD-0716-10	10/12/2010, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Faint+linear+artifact+in+PACS+photometer	https://biturl.com/va3d8a5k	PACS-98	Kayyo Okumura
Noise characterization of PACS photometer mini-maps processed with iScanam	3	PACS	Data processing	Calibration	Mappers	Photometer	PCC-MA-TN-015	27/06/2010, v1.0	https://www.cosmos.esa.int/documents/12133/996891/Noise+characterization+of+PACS+photometer+mini+maps+processed+with+iScanam	https://biturl.com/vd73buvq		U. Klaas & H. Linz