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Herschel Calibration Workshop (13-15 December)

Objectives

This workshop will last 2.5 days with the first two days concentrating on the flux calibration of PACS and SPIRE (in particular -- for the Photometers, but by no means exclusively so). The third, half day, will be dedicated to HIFI calibration issues. It is expected and encouraged that HIFI calibration scientists come to the first two days of the workshop, particularly in view of cross-calibration aspects. It is expected that we will have both plenary sessions and small splinter groups dealing with very specific topics in detail.

The key purpose of the calibration workshop is to go into fine detail the current means of flux calibration by PACS and SPIRE particularly (e.g., methods of source flux extraction, detailed analysis of current models being used and means of improving -- already good calibration accuracies -- to becoming even better).

The workshop is open to all calibration scientists working on the calibration of the three instruments plus a number of invited experts.

Call-in telecon information for the workshop

The following are the details for calling in to follow the calibration workshop over the 3 days. May not be available in the afternoon of Monday after 1330 (TBD).

Audio conference Set-up Confirmed Coordinator/Requestor: Anthony Marston Date: 13/12/2010 Time : 08:45:00 Duration (hours): 7,15 Coordinator password: 161850* Participant/s password: 323341* Access phone # from Spain: 902 125 136 or short dial 19006 Access phone # from abroad + 34 91 495 18 99

Audio conference Set-up Confirmed Coordinator/Requestor: Anthony Marston Date: 14/12/2010 Time : 11:30 Duration (hours): 6,30 Coordinator password: 161850* Participant/s password: 323341* Access phone # from Spain: 902 125 136 or short dial 19006 Access phone # from abroad + 34 91 495 18 99

Audio conference Set-up Confirmed Coordinator/Requestor: Anthony Marston Date: 15/12/2010 Time : 09:00 Duration (hours): 2,30 Coordinator password: 161850* Participant/s password: 323341* Access phone # from Spain: 902 125 136 or short dial 19006 Access phone # from abroad + 34 91 495 18 99

Registration

Please follow this link ([registration page](#)) and add your name and institution to the list.

Agenda (FINAL v6, 10 December 2010)

SPEAKERS PLEASE NOTE -- leave some time for questions/discussion.

DAY ONE: Monday, 13 December 2010 (Plenary -- in room B3)

08:45 - 09:00 Introduction and Goals of the Meeting (Tony Marston)

09:00 - 09:30 SPIRE Photometer flux calibration: methods (Matt Griffin -- [link to presentation](#))

09:30 - 10:00 SPIRE photometer flux calibration: implementation (George Bendo - videocon in B5-- [link to presentation](#))

10:00 - 10:30 PACS photometer flux calibration: methods (Marc Sauvage -- [link to presentation](#))

10:30 - 11:00 PACS photometer flux calibration: implementation (Markus Nielbock -- [link to presentation](#))

11:00 - 11:30 COFFEE BREAK

11:30 - 11:50 Stellar calibrators vs. Neptune: SPIRE photometer results (Tanya Lim-- [link to presentation](#))

11:50 - 12:20 Current stellar models (Leen Decin-- [link to presentation](#))

12:20 - 12:40 PACS photometer calibration and stellar models (Joris Blommaert-- [link to presentation](#))

12:40 - 13:00 PACS/SPIRE cross-calibration on fiducial standard stars (Bruno Altieri/Luca Conversi-- [link to presentation](#))

13:00 - 13:30 Asteroid models and SPIRE/PACS results (Thomas Mueller[link to presentation](#), [Lutetia movie link](#))

13:30 - 14:30 LUNCH

Plenary in B3:

14:30 - 15:00 Planetary models I (Raphael Moreno [link to presentation](#))

15:00 - 15:30 Planetary models II (Glenn Orton [link to presentation](#))

15:30 - 16:00 COFFEE BREAK

16:00 - 18:00 Splinter session 1

- 1. SPIRE/PACS photometer calibration schemes and implementation (room B3 [link to presentation](#))
- 2. Stellar models and feedback from observations (room B5, verbal presentation only)
- 3. Asteroid models and observational results (room B19, verbal presentation only)

END OF DAY ONE

DAY TWO: Tuesday 14 December 2010

Plenary session in B3:

08:45 - 09:00 Day 2 introduction and logistics (Tony Marston)

09:00 - 11:00 Splinter session 2

- 1. Planets versus stars versus asteroids -- cross-calibration: photometry and spectrometry (room C31 [link to presentation](#))
- 2. Planetary models and feedback from observations (room B3 [link to presentation](#))
- 3. (room B65 booked if needed)

11:00 - 11:30 COFFEE BREAK

Plenary session in B3:

11:30 - 12:00 SPIRE spectroscopic flux calibration (Bruce Swinyard [link to presentation](#))

12:00 - 12:30 PACS spectroscopic flux calibration (Pierre Royer [link to presentation](#))

12:30 - 13:00 HIFI spectroscopic flux calibration (Michael Olberg [link to presentation](#))

13:00 - 13:30 SPIRE-HIFI spectral line cross-calibration (Ed Polehampton [link to presentation](#))

13:30 - 14:30 LUNCH

14:30 - 16:30 Splinter reports (20 mins each, see above links)

16:30 - 17:00 COFFEE BREAK

17:00 - 17:30 SPIRE/Planck cross calibration status and plans (Bernhard Schulz [link to presentation](#))

17:30 - Discussion and PACS/SPIRE conclusions

END OF DAY TWO

DAY THREE: Wednesday 15 December 2010

Plenary session in B3:

09:00 - 09:30 Day 3 introduction and logistics (Tony Marston)

09:30 - 10:00 HIFI calibration implementation (Christophe Risacher [link to presentation](#))

10:00 - 10:30 HIFI Error Budget (Michael Olberg [link to presentation](#))

10:30 - 11:00 HIFI beams and efficiency parameters (Raphael Moreno [link to presentation](#))

11:00 - 11:30 COFFEE BREAK

11:30 - 12:00 Sideband ratio (David Teyssier [link to presentation](#))

12:00 - 12:30 WBS/HRS cross-calibration and frequency calibration (Max Avruch [link to presentation](#))

12:30 - 13:30 Discussion: HIFI cross-calibration with PACS/SPIRE -- line/continuum and cross-cal needs (Michael Olberg, verbal presentation only)

13:30 - LUNCH AND END OF WORKSHOP

HCalSG meeting in B3

14:30 - 16:00 Short [HCalSG](#) meeting -- including discussion of next (full-fledged) Herschel calibration meeting.

Accommodation

Regarding hotels. I was not intending a block booking.

But my suggestions would be NH Monte Rosas. You can book for a good price on-line. <http://www.nh-hotels.es/nh/es/hoteles/espana/madrid/nh-monte-rozas.html>







Alternately, for those wanting to be closer to the centre of Madrid, Florida Norte is good (can be a little bit noisier). <http://www.holidaycityeurope.com/florida-norte-madrid/index.htm> (one of many booking sites for the hotel)

If most folks are at these two hotels then we should be able to arrange daily transport into ESAC (cars/taxis).







-- [AnthonyMarston](#) - 16 Dec 2010

- [2010CalWksp_xcal_wiki.ppt](#): 2010CalWksp_xcal_wiki.ppt

Attachments

I	Attachment	History	Action	Size	Date	Who	Comment
	2010CalWksp_xcal_wiki.ppt	r1	manage	1133.5 K	2010-12-15 - 11:08	BrunoAltieri	
	CalWS_ESAC2010_tm.pdf	r1	manage	1574.1 K	2010-12-13 - 17:04	AnthonyMarston	Asteroid model and flux comparisons - Thomas Mueller, 13 Dec 2010
	CrossCalibration_splinter_MO.pdf	r1	manage	71.2 K	2010-12-16 - 14:29	AnthonyMarston	Cross calibration splinter -- MO, 14 Dec 2010
	Decin_presentation.pdf	r1	manage	2737.7 K	2010-12-13 - 10:47	AnthonyMarston	Stellar models -- Leen Decin, 13 Dec 2010
	ESAC_CalibrationWorkshop_PacsSpecFluxCal_PierreRoyer_20101214.pdf	r1	manage	781.8 K	2010-12-16 - 15:59	AnthonyMarston	PACS spec calibration -- PR, 14 Dec 2010
	Ed_SPIRE_HIFI_crossCalibration.pdf	r1	manage	1014.8 K	2010-12-16 - 14:28	AnthonyMarston	HIFI-SPIRE cross cal -- Ed Polehampton, 14 Dec 2010

	Griffin_SPIRE_Flux_Cal_ESAC_Dec_13_2010.ppt	r1	manage	580.0 K	2010-12-13 - 16:57	AnthonyMarston	SPIRE flux cal theory -- Matt Griffin, 13 Dec 2010
	HIFI_SBR_CalWorkshop_ESAC_Dec2010_DT.pdf	r1	manage	1933.3 K	2010-12-16 - 16:02	AnthonyMarston	HIFI sideband ratio -- DT, 15 Dec 2010
	HIFI_error_Madrid101215_MO.pdf	r1	manage	764.5 K	2010-12-16 - 15:42	AnthonyMarston	HIFI error budget -- MO, 15 Dec 2010
	HIFI_intensidty_cal_Madrid101214_MO.pdf	r1	manage	1331.9 K	2010-12-16 - 15:54	AnthonyMarston	HIFI intensity calibration -- MO, 14 Dec 2010
	JBlom_Fiducials_HCalSG.pdf	r1	manage	541.3 K	2010-12-13 - 10:46	AnthonyMarston	PACS fiducial star presentation -- Joris Blommaert 13 Dec 2010
	Orton_Uranus_Neptune_calibration_models.ppt	r1	manage	7684.0 K	2010-12-16 - 13:44	AnthonyMarston	Planet models, Glenn Orton -- Cal workshop, 13 Dec 2010
	PACS-HCalWkShop-20101213_MN.pdf	r1	manage	2027.5 K	2010-12-13 - 10:06	AnthonyMarston	PACS flux cal implementation -- Markus Nielbock, 13 Dec 2010
	PACS_PhotFluxCalMeth_MS.pdf	r1	manage	11426.4 K	2010-12-13 - 16:58	AnthonyMarston	PACS flux cal methods -- Marc Sauvage, 13 Dec 2010
	Planet_splinter_RM.ppt	r1	manage	451.5 K	2010-12-16 - 14:03	AnthonyMarston	Planet splinter, RM -- 14 Dec 2010
	SPIRE-PACS_Calib_Splinter_Rep.ppt	r1	manage	137.0 K	2010-12-16 - 14:02	AnthonyMarston	SPIRE/PACS splinter -- Matt Griffin, 13 Dec 2010
	SPIREFTSCalibration.pdf	r1	manage	1047.3 K	2012-01-03 - 11:34	EdwardPolehampton	SPIRE Spectrometer talk from Bruce Swinyard
	SPIREFluxCallmp.pdf	r1	manage	2180.8 K	2010-12-13 - 10:34	AnthonyMarston	SPIRE flux cal -- George Bendo, 13 Dec 2010
	SPIREFluxCallmp.pptx	r1	manage	2172.5 K	2010-12-13 - 10:06	AnthonyMarston	SPIRE flux cal -- George Bendo, 13 Dec 2010
	SPIRE_Planck_XCal_CalWorkshopDec2010_BS.pdf	r1	manage	432.0 K	2010-12-16 - 16:04	AnthonyMarston	SPIRE-Planck

							cross-calibration -- BS, 15 December 2010
	Stars_tanya.pptx	r1	manage	662.4 K	2010-12-13 - 17:25	AnthonyMarston	Stellar calibrators and SPIRE -- Tanya Lim, 13 Dec 2010
	carry_lutetia_from_rosetta_flyby.avi	r1	manage	3670.6 K	2010-12-13 - 17:05	AnthonyMarston	Lutetia movie - - Thomas Mueller, 13 Dec 2010
	hifi_beam_RM.pdf	r1	manage	609.0 K	2010-12-16 - 15:40	AnthonyMarston	HIFI beam efficiencies -- RM, 15 Dec 2010
	hifi_cal_implentation3_CR.PPT	r1	manage	3859.5 K	2010-12-16 - 15:43	AnthonyMarston	HIFI calibration implementation -- CR, 15 Dec 2010
	hifi_freqcal_dec10_IA.pdf	r1	manage	1803.7 K	2010-12-16 - 16:01	AnthonyMarston	HIFI freq calibration -- IA, 15 Dec 2010
	moreno_madrid10_RM.ppt	r1	manage	1685.5 K	2010-12-16 - 13:49	AnthonyMarston	Planet models, Raphael Moreno -- Cal workshop, 13 Dec 2010

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Topic revision: r22 - 2012-10-08 - [AnthonyMarston](#)