

v9, 25 Mar 2013

Herschel Calibration Workshop -- 25-27 March 2013

in D building at ESAC

Date/time

Talk

Presenter

Monday am

0850-0920
0920-0930

Registration
Logistics

OPENING SESSION (Chair: P. Garcia-Lario)

0930-1000
1000-1030
1030-1100

Introduction
Herschel Calibration Overview

COFFEE BREAK

CALIBRATION MODELS USED BY HERSCHEL (Chair: E. Puga)

1100-1130
1130-1200
1200-1230
1230-1300

Planetary model refinements
Stellar Models of Prime Fiducial Stars
Asteroid models: Towards asteroids as prime flux standards
Spitzer/MIPS calibration

PHOTOMETER CALIBRATIONS (Chair: L. Conversi)

1300-1330
1330-1430

PACS photometer calibration programme overview
LUNCH BREAK

Monday pm

1430-1500
1500-1530
1530-1600
1600-1630
1630-1700
1700-1730

PACS flux calibration and further improvements
Principles of broadband photometer calibration and applications to SPIRE
COFFEE BREAK
SPIRE photometer flux calibration
SPIRE measurements of calibration stars and asteroids
AKARI mission and calibration

D building entrance
Garcia-Lario

Pilbratt
Marston

Orton
Blommaert
Müller
Noriega-Crespo

Nielbock

Balog
Griffin

Bendo
Lim
Yamamura

Tuesday am

0850-0900

Logistics

PHOTOMETER MAPPING (Chair: B. Altieri)

0900-0930
0930-1010
1010-1030
1030-1100
1100-1130
1130-1200
1200-1230

PACS photProject (drizzling, error maps, HPF, parameters influencing the PSF)
Consistency between PACS mappers (point sources and extended emission)
SPIRE mappers
COFFEE BREAK
SCUBA-2: calibration using standard submillimetre sources
Planck HFI calibration
Zero-Point Correction for Herschel-SPIRE Maps via Planck-HFI Cross Calibration

SPECTROMETER CALIBRATIONS (Chair: R. Vavrek)

1230-1300
1300-1330

HIFI calibration overview
PACS-S Calibration programme overview

LUNCH BREAK

1430-1500
1500-1530

PACS-S Flux Calibration
SPIRE-S Calibration overview

COFFEE BREAK

1600-1630
1630-1700
1700-1730

SPIRE-S Flux calibration issues and uncertainties
SOFIA calibration
Lessons learned for SAFARI/SPICA

Garcia-Lario

Altieri
Paladini
Schulz

Dempsey
Lagache
Schulz

Olberg
Vandenbussche

Royer
Swinyard

Hopwood
Sandell
Vandenbussche

1945 Bus from hotel to Café de Chinitas (5 min -- or 15 min walk)

2000-

Evening dinner and flamenco evening -- Café de Chinitas, Madrid

2200 Bus to hotel from Café de Chinitas

Wednesday am

0850-0900

Logistics

HIFI CALIBRATION ISSUES (Chair: D. Teyssier)

0900-0930
0930-1000
1000-1030
1030-1100

Sideband ratio assessment for HIFI
From the optical characteristics of HIFI to in-orbit flux calibration using Mars
Optical models for HIFI
COFFEE BREAK

SPIRE FTS CALIBRATION ISSUES (Chair: I. Valtchanov)

1100-1130
1130-1145
1145-1200
1200-1230
1230-1300

SPIRE spectrometer bright mode
SPIRE spectral mapping uncertainties (15 mins)
Handling SPIRE-S Observations of Semi-Extended Sources (15 mins)
Spectral cross-calibration
ALMA calibration

POINTING AND DATA PROCESSING SESSION (Chair: A. Marston)

1300-1330
1330-1430

Herschel Data Processing -- Status and Outlook
LUNCH BREAK

Wednesday pm

1430-1500
1500-1515
1515-1545
1545-

Astrometric calibration, performance and pointing products
Pointing and HIFI scan maps
Future pointing improvements and their effects on observations
Summary

Garcia-Lario

Higgins
Jellema
Delforge

Lu
Polehampton
Wu
Puga
Mangum

Ott

Sanchez Portal
Helmich
Feuchtgruber
Marston