

HERSCHEL CYCLE 1 OPEN TIME DATA PROCESSING WORKSHOP

ESAC, Madrid, 14-18 March 2011

[Final agenda; last update 11 March 2011]

PACS SESSIONS (14-16 March 2011)

Monday, 14 March 2011

Registration: 09:00-09:30

Session G1: GENERAL: Introduction

09:30 Overall status of the mission (G. Pilbratt)
10:00 Overall status of the S/C and instrument status (A. Marston)
10:30 Overall progress and future plans for HIPE (S. Ott)

11:00 Coffee Break

Session G2: GENERAL: Introduction to HIPE: installation & data access

11:30 Installation of HIPE and initial setup
11:40 The Herschel Science Archive User Interface (E. Verdugo)
12:10 Data Access and Data Handling in HIPE (E. Verdugo)
12:40 Introduction to HIPE: views, basic functionalities (B. Merin)
13:10 Documentation (D. Rizzo)

13:30 Lunch Break

Session PP1: PACS Photometry (I)

14:30 PACS Photometer introduction: scientific capabilities, data products & calibration (M. Sauvage)
15:00 PACS Photometer data processing: data import, data reduction scripts and Level 0 to Level 1 processing (B. Altieri)

15:40 Coffee Break

16:00 PACS Photometer data processing: Level 1 to Level 2 processing with high-pass filtered maps (B. Altieri)
16:40 PACS Photometer: Deglitching (N. Billot)

Session PP2A: Practical (demo/hands-on) session – PACS Photometry

17:00 Hands-on session of PACS Photometry data sets (Session I)

18:00 End of Day 1

Tuesday, 15 March 2011

Session G3: GENERAL: Scripting

09:00 Scripting in HIPE (M. Sanchez Portal)

Session PP3: PACS Photometry (III)

09:30 PACS Photometer calibration aspects (PSF, astrometry, flux accuracy, colour correction, documentation..) (B. Altieri)

09:50 PACS Photometer data processing: Level 1 to Level 2 processing with baseline removal and MADmap (M. Sauvage)

10:10 PACS Photometer data processing: Level 1 to Level 2 with Scanamorphos (H. Roussel)

10:45 Coffee Break

Session PP4: Practical (demo/hands-on) session – PACS Photometry

11:15 Hands-on session of PACS Photometry data sets (Session II)

Session PS1: PACS Spectroscopy (I)

12:30 PACS Spectrometer overview: observing modes, instrument performance and calibration philosophy, pipelines, data processing framework and accessing data reduction scripts (B. Vandebussche)

13:10: PACS Spectrometer standard pipeline products preview (R. Vavrek)

13:30 Lunch Break

Session PS2: PACS Spectroscopy (II)

14:30 PACS Spectrometer data processing demo: Level 0-2 interactive processing in Chop/Nod pipeline for point-sources (Line Spectroscopy) (A. Contursi)

15:40 Coffee Break

Session PS3: Practical (demo/hands-on) session – PACS Spectroscopy

16:00 Hands-on session of PACS Spectroscopy data sets – Session III

17:30 End of Day 2

Wednesday, 16 March 2011

Session PS4: PACS Spectroscopy (III)

09:00 Product inspection workflow (on/off blocks comparison, outlier spectral segment filtering, before-after flat-field comparison, interoperability with VO tools and comparison with other data sets (P. Royer)

10:30 Coffee Break

Session PS5: Practical (demo/hands-on) final session – PACS (P&S)

11:00 Hands-on session of PACS Photometry & Spectroscopy data sets – Session IV

Session G4: GENERAL: What can you do for Herschel?

13:00 User Reduced Data & User Contributed Software (B. Merin)

13:15 Feedback & Discussion

13:30 End of PACS Workshop