

HERSCHEL SCIENCE DEMONSTRATION PHASE  
DATA PROCESSING WORKSHOP  
ESAC, Madrid, Spain

14-16 DECEMBER 2009

**FINAL AGENDA**

**Monday, 14 December 2009**

08:30 Bus Hotel NH Alberto Aguilera – ESAC

09:15 Arrival at ESAC and registration

**SESSION 1: Introduction** (Rooms B3/B5)

09:30-10:00: Overall status of the Herschel mission as of end of PV (G. Pilbratt)

10:00-10:30: Overall status of the spacecraft – Lessons learned from PV (A. Marston)

10:30-11:00: Overall progress and future plans for Herschel Data Processing (S. Ott)

11:00-11:20: Coffee Break

**SESSION 2: Uplink and Downlink validation status** (Rooms B3/B5)

11:20-11:50: Overview of PACS Photometry after PV (M. Sauvage)

11:50-12:20: Overview of PACS Spectroscopy after PV (B. Vandenbussche)

12:20-12:50: Overview of SPIRE Photometry and Spectroscopy after PV (T. Lim)

**SESSION 3: Other general aspects** (Rooms B3/B5)

12:50-13:10: Latest improvements in HIPE (B. Merín)

13:10-13:30: Data access overview (E. Verdugo)

13:30-14:45 Lunch Break

14:45-15:00: Documentation overview (D. Rizzo)

**SESSION 4: SPIRE Photometry tutorial/demo session** (Rooms B3/B5)

15:00-15:30: SPIRE product pools, data products, where to find data (B. Schulz)

15:30-16:00: SPIRE scan map pipeline and known calibration issues (I. Valtchanov)

16:00-16:20 Coffee Break

16:20-17:05: Combine 2 observations with different OBSIDs, split an observation, etc.  
(I. Valtchanov)

17:05-17:35: Baseline subtraction and drifts (K. Xu)

17:35-17:50: Point source extraction – short demo (A. Smith)

18:00 Bus ESAC – Hotel NH Alberto Aguilera

**Tuesday, 15 December 2009**

08:30 Bus Hotel NH Alberto Aguilera – ESAC

09:15 Arrival at ESAC

09:30-09:45: HIFI Status (F. Helmich)

**SESSION 5: PACS Photometry tutorial/demo session (Rooms B3/B5)**

09:45-10:15: PACS Point Source Photometry pipeline (M. Nielbock)

10:15-10:45: PACS Scan Map pipeline (B. Altieri)

10:45-11:10: Mad Mapping (B. Ali)

11:10-11:20: Coffee Break

11:20-12:30: PACS Photometry (hands-on) free data reduction session

**SESSION 6: PACS Spectroscopy tutorial/demo session (Rooms B3-B5)**

12:30-13:00: PACS Spectroscopy pipeline (R. Vavrek)

13:00-13:30: PACS wavelength switching pipeline demo (Ph. Appleton)

13:30-14:45: Lunch Break

14:45-16:00: PACS Spectroscopy (hands-on) free data reduction session

16:00-16:30: Coffee Break

**SESSION 7: SPIRE Spectroscopy tutorial/demo session (Rooms B3/B5)**

16:30-16:45: Brief introduction to SPIRE spectrometer products and pools (N. Lu)

16:45-17:30: Introduction to spectrometer pipeline (T. Fulton)

17:30-17:55: Line fitting, sinc/apodized, noise, fringing, etc. (E. Polehampton)

18:00 Bus ESAC – Hotel NH Alberto Aguilera

**Wednesday, 16 December 2009**

08:30 Bus Hotel NH Alberto Aguilera – ESAC

09:15 Arrival at ESAC

**SESSION 8a: HIFI tutorial/demo session (Room B3)**

09:30-10:00: Current status of HIFI pipeline and processing (R. Shipman)

10:00-11:10: Basic inspection of HIFI data: hands-on tour through a HIFI observation (R. Shipman/M. Avruch)

11:10-11:30 Coffee Break

11:30-12:20 Hands-on tour of standing waves correction and customizing the HIFI Level 2 pipeline (R. Shipman/M. Avruch)

**SESSION 8b: SPIRE hands-on free data reduction session (Room B5)**

09:30-11:10: SPIRE Photometry (hands-on) free data reduction session

11:10-11:30: Coffee Break

11:30-12:20: SPIRE Spectroscopy (hands-on) free data reduction session

**PRESS BRIEFING at 12:30h (Rooms B3/B5)**

13:30-14:45: Lunch break

**SESSION 9a: Interactions with the users (Room B3)**

14:45-15:00: The Herschel Data Processing User's Group (A. Heras)

15:00-15:15: How to use the Herschel Data Processing Interest Groups (B. Merín)

15:15-15:30: How to contribute to HIPE (D. Rizzo)

15:30-15:55: Q&A Session

**SESSION 9b: Free hands-on data reduction session –all instruments (Room B5)**

14:45-15:55: Free hands-on data reduction session – all instruments

15:55: End of Workshop

16:00: Bus 1: ESAC – Hotel NH Alberto Aguilera

Bus 2: ESAC – Barajas Airport T4