

HERSCHEL CYCLE 1 OPEN TIME DATA PROCESSING WORKSHOP
ESAC, Madrid, 14-18 March 2011

[Draft agenda; last update 7 March 2011]

HIFI & SPIRE SESSIONS (16-18 March 2011)

Wednesday, 16 March 2011

Registration: 14:00-14:30

Session G1: GENERAL: Introduction

14:30 Overall status of the mission (G. Pilbratt)
15:00 Overall status of the S/C and instrument status (A. Marston)
15:30 Overall progress and future plans for HIPE (S. Ott)
16:00 Check installation and initial setup

Coffee Break

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

16:45 The Herschel Science Archive User Interface (E. Verdugo)
17:15 Data Access and Data Handling in HIPE (E. Verdugo)
17:45 Introduction to HIPE: views, basic functionalities (B. Merin)
18:15 Documentation (D. Rizzo)

End of Day 1

Thursday, 17 March 2011

Session G3: GENERAL: What can you do for Herschel? (Rooms B3+B5)

09:00 User Reduced Data & User Contributed Software (B. Merin)

Splinter session H1: HIFI Status and Pipeline (Room B5)

09:15 HIFI Observing Modes and HIFI status (R. Shipman)
09:45 HIFI specific setup, download data, check installation (C. McCoey)
10:00 Demo/Hands-on: Tour of HIFI observation (C. McCoey/R. Shipman)

Splinter session S1: SPIRE Status and Pipeline (Room B3)

09:15 SPIRE Observing Modes, AOT reminder and SPIRE status (TBD)
10:00 Demo/Hands-on: Tour of SPIRE data products and Quick-Look Tools in HIPE (using local pools and Product Browser) (TBD)

11:00 Coffee Break

Splinter session H2: HIFI Status and Pipeline (Room B5)

11:30 HIFI Pipeline overview (C. McCoey)

12:00 Demo/Hands-on: Reprocessing Observations and Customising the pipeline (C. McCoey/R. Shipman)

Splinter session S2: SPIRE Pipelines (Room B3)

11:30 SPIRE calibration overview (TBD)

11:50 SPIRE Photometer Pipeline (Do I need to re-process my data?) (TBD)

12:20 SPIRE Spectrometer Pipeline (Do I need to re-process my data?) (TBD)

12:50 Hands on Session exploring your data (walkaround)

13:30 Lunch Break

Session HF1: Spectral tools (Room B3/B5 -Joint Session HIFI/SPIRE)

14:30 Demo/Hands-on Spectrum Explorer, Spectrum Toolbox, SpectrumFitterGUI (C. McCoey/E. Polehampton)

Coffee Break

16:45 Demo: Cassis (S. Bottinelli)

17:30 Scripting in HIPE (M. Sanchez Portal)

End of Day 2

Friday, 18 March 2011

Splinter session H3: HIFI: Issues with HIFI data and dealing with them (Room B5)

09:00 Demo/Hands-on: HIFI Spurious features, handling them and removing bad datasets (C. McCoey)

09:30 Demo/Hands-on: Standing wave removal (S. Beaulieu)

10:00 Demo/Hands-on: Baseline Fitting (S. Beaulieu)

Splinter session S3: SPIRE Photometer Reprocessing I (Room B3)

09:00 Reprocessing your photometer data with SPIA (TBD)

10:30 Coffee Break

Splinter session H4: HIFI: Deconvolution

11:00 Talk/Demo: Deconvolution (C. McCoey/R. Shipman)

Splinter session S4: SPIRE Photometer Reprocessing II (Room B3)

11:00 Demo: SPIRE Photometer map-making basics: median baseline, polynomial baseline, baseline removal for extended sources (TBD)

11:45 Demo: SPIRE Photometer deglitching, mask editing (TBD)

12:30 Demo: performing photometry with SPIRE maps (TBD)

13:15 Demo: Considerations for Parallel Mode (TBD)

Splinter session H5: Free hands-on session – HIFI (Room B3)

12:00 Free Hands-on time, either work on exercises, re-run demos or work with own data

Splinter session H6: HIFI: Export data to other tools (Room B3)

13:00 Talk/Demo: Exporting HIFI data (C. McCoey/R. Shipman)

Lunch Break

Splinter session H7: HIFI: Maps (Room B3)

14:30 Demo/Hands-on: HIFI mapping modes, making cubes, cube visualization (C.McCoey)

Splinter session S5: SPIRE Spectrometer Reprocessing (Room B3)

14:30 Demo: Spectrometer reprocessing (point sources)

15:15 Demo: Spectrometer reprocessing (mapping and extended sources)

Session HF2: Q&A, Feedback (Rooms B3+B5)

16:00 Q&A, Feedback

16:15 End of HIFI & SPIRE Workshop