

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

*[Final agenda; last update 15 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 S/C and instrument status (A. Marston)

15:00 Overall status of the mission (G. Pilbratt)

15:30 Overall progress and future plans for HIPE (S. Ott)

16:00 Check installation and initial setup

16:15 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)

18:30 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)

10:15 Demo/Hands-on: Tour of HIFI observation (C. McCoey or R. Shipman)

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

09:15 SPIRE Observing Modes, AOT reminder and SPIRE status (C. Pearson)

09:35 SPIRE User Documentation (B. O'Halloran)

09:45 Demo: SPIRE setup, download data, check installation (C. Pearson + walkaround helpers)

10:00 Hands-on: Tour of SPIRE data products and Quick-Look Tools in HIPE (C. Pearson)

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 or R. Shipman)

### **Splinter session S2: SPIRE Pipelines (Room B3)**

11:30 Talk: SPIRE calibration overview (I. Valtchanov)

11:50 Talk: SPIRE Photometer Pipeline (Do I need to re-process my data?) (C. Pearson)

12:20 Talk: SPIRE Spectrometer Pipeline (Do I need to re-process my data?) (E. Polehampton)

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)

16:15 Coffee Break

16:45 Demo: Cassis (S. Bottinelli)

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

18:00 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 (C. Pearson, L. Conversi, B. O'Halloran)

10:30 Coffee Break

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

11:00 Demo: SPIRE Photometer Mapping Troubleshooting and Tips (C.Pearson)

11:45 Demo: SPIRE Photometer deglitching, mask editing (L.Conversi)

12:30 Demo: SPIRE Source Extraction & Photometry (B.O'Halloran)

13:15 Demo: Considerations for Parallel Mode (L.Conversi)

#### **Splinter session H4: HIFI: Deconvolution**

11:00 Talk/Demo: Deconvolution (I. Avruch)

#### **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 (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 scenarios for (weak/medium) point sources (N.Lu)

15:15 Demo: Spectrometer reprocessing scenarios for extended sources (I. Valtchanov)

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

16:00 Q&A, Feedback

16:15 End of HIFI & SPIRE Workshop