

“Calibration and cross-calibration strategies” splinter

Chairs: A.M. Heras and S.J. Leeks

Objectives

- To learn from the knowledge and experience in calibration from other instruments/observatories operating at similar wavelength ranges.
- To discuss and devise a strategy for cross-calibration, including the exchange of information and data.

Presentations

The talks will provide an overview of the calibration strategy. In particular, the following issues may be addressed:

- A short description of the scientific capabilities and design of the instrument(s).
- Accuracies in flux, wavelength, and beam profile calibration
- Astronomical calibration sources and their purpose.
- Preparatory calibration programs, i.e., at other observatories, modelling efforts
- For space projects, a comparison can be made between on the ground (instrument tests) and in-orbit calibration scopes. If the mission is already in orbit, the differences found between ground and in-orbit calibration (e.g. different detector behaviour) may be discussed.
- The percentage of total observatory time devoted to calibration observations.
- Availability of data (both from calibration and general astronomical observations), archive, data reduction.
- Time scales in the project.

Note: The previous points will also be covered in the Herschel presentations on Wednesday morning.

Points to be discussed

The discussion during the splinter will be focused on:

- Usage of data from different observatories/instruments for the determination of astronomical calibrations sources characteristics (SEDs, variability, spectroscopy...).
- Usage and selection of data for cross-calibration among observatories/instruments.
- Exchange of expertise to understand each others data and results (contact points, meetings).
- Draft plan.