

## Milestone 2

**deadline: 19 June 2017 23:59 CEST**

### Tasks:

**Calibrate the measurement set following the instructions from tutorials I-IV:**

1. *A priori* calibration
2. Bandpass calibration
3. Flux & Phase calibration

Hint: fluxes for your flux calibrator model can be found at <https://almascience.eso.org/alma-data/calibrator-catalogue>

### Deliverables:

**1. Calibration script**

provide us with your *commented* calibration script.

- 2. Write a short report** (pdf, 1-2 pages excluding figures) on the different calibration steps. The purpose of each calibration step should be summarized in 1-2 sentences. If needed, all non-standard flagged visibilities (i.e., others than 'auto-correlation', 'shadow', '\*POINTING\*' and '\*ATMOSPHERE\*') should be justified and illustrated using the relevant diagnostic plot. In addition, the report should at least contain the following plots and corresponding captions :

- **Phase vs UV distance & amplitude vs UV distance of the flux calibrator**  
before and after calibration
- **Phase vs Time & amplitude vs Time of the phase calibrator**  
before and after calibration
- **Phase vs Frequency & amplitude vs Frequency of the phase calibrator**  
before and after calibration

**Please upload the two files labeled with your name**, e.g. calibration\_script\_muehle.py and calibration\_report\_muehle.pdf, to <ftp://ftp.astro.uni-bonn.de/incoming/muehle> before the **deadline**. (Note: Once uploaded, the content is no longer visible to any outside user.)