Tutorial 4

Calibration
Flux Calibration
Phase Calibration
A look at the calibrated data
Calibration based on 'Phase' calibrator

Time for you to do it!

Flux calibration

setjy on the primary flux calibrator(s)

- Do it on one flux calibrator at a time
- Also known as amplitude calibration

Bandpass calibration

bandpass on the primary flux calibrators(s)

- To remove the variations in the gains across the band
- Can be done on both the flux calibrators in a single run
- Will create a 'caltable', you choose the name

Plotting a calibration table

plotcal – plots antenna based solutions

Channel no. Vs amp/phase

Calibration – before and after

Applycal -

plotms, viewer – plot and compare 'data', 'model', 'corrected' data and 'residual' columns to examine and understand what flux calibration has done.