

Annalisa Bonafede - Hamburg University for the Survey KSP

The Survey KSP

Working groups

- High-z radio sources
- Galaxy clusters
- Starforming galaxies
- AGN at moderate z
- Low-zAGN

- Nearby Galaxies
- Gravitational lensing
- Galactic radio sources
- Cosmological studies
- Blank fields

Wiki page to coordinate the work, share scripts and strategies and update each other

Survey KSP

Observing Strategies

1) Standard

Interleaved calibrator scans to track amplitude variations

2) Non Standard attempt clock corrections

LBA
no interleaved
target and standard calibrators
simultaneously observed

HBA

band split into 2

- non-standard calibrator(d< 10 degrees)
- target

Preparing the observation

List of targets reserved by Survey Tier 1 and Tier 2 this info cannot be accessed by outside

Sub-Bands to frequency web calculator (similar to the data size calculator)

Preparing the observation

Info useful for external users

HBA: list of "secondary" calibrators, or specifics about flux and size

HBA and LBA: - list of SB RFI-contaminated

HBA and LBA: defining "Standard observing mode" SB list,

time and freq averaging in pre-processing

After the observation

Inspection plots are useful + example of what can be considered a standard successful observation (% of good time, band, ...)

ASTRON pipeline

Imaging pipeline: now works with interleaved calibrators scans

- Would be good to have 2 pipelines with/without interleaved calibrators to attempt Clock/TEC separation on the calibrator
- -Imaging: possibility to specify fov, stations involved in imaging
- _ What is the pipeline exactly doin step by step (parameters used in AOflagger, BBS, AWimager, ...)