

VLBI Intensives

1 Scheduling Intensive with VieSched++

Our goal is to schedule a European Intensive.

Things to keep in mind:

- two stations (RAEGSMAR, WETTZ13N)
- 1h session
- observing mode is 1Gbps

Open VieSched++:

- Mode:
 - change observing mode to 1024-16(AU)
- General:
 - add session code and description
 - select date
 - change duration to 1h
- Network:
 - select station RAEGSMAR and WETTZ13N
- Weight Factors:
 - select sky coverage and change value to 0.50
 - select duration and change value to 1.00
 - deselect all others
- (optional) Multi Scheduling:
 - weight factors: select sky coverage with 0.25, 0.5, 0.75 and 1.00
 - weight factors: select duration with 0.25, 0.5, 0.75 and 1.00
 - Sky Coverage: select influence distance with 15, 20, 25 and 30
- click run
- compare results with statistics view or session analyzer

2 Analyze Intensive using VieVS

Our goal is to analyze a European Intensive.

Things to keep in mind:

- only want to estimate a reduced number of parameters
- 1h session
- observing mode is 1Gbps

Open VieVS:

- File / Set input files:
 - Browse for the session: 2018/eint99/18AUG29VS_S001
- File / Parameter files / Load Parameters... :
 - select auto_int_v31_ngs.mat
- Models / Reference frames:
 - Superstation file → Select file → superstation_int.mat
- check estimation parameters:
 - Estimation / Least squares / Troposphere
 - Estimation / Least squares / Clock
 - Estimation / Least squares / EOP
- Run / Run options
 - add Sub-directory for (intermediate) results
- Save + Run
- Plotting / Parameters
 - look at estimates for dUT1