

Scheduling a Geodetic VLBI Experiment using VieSched++

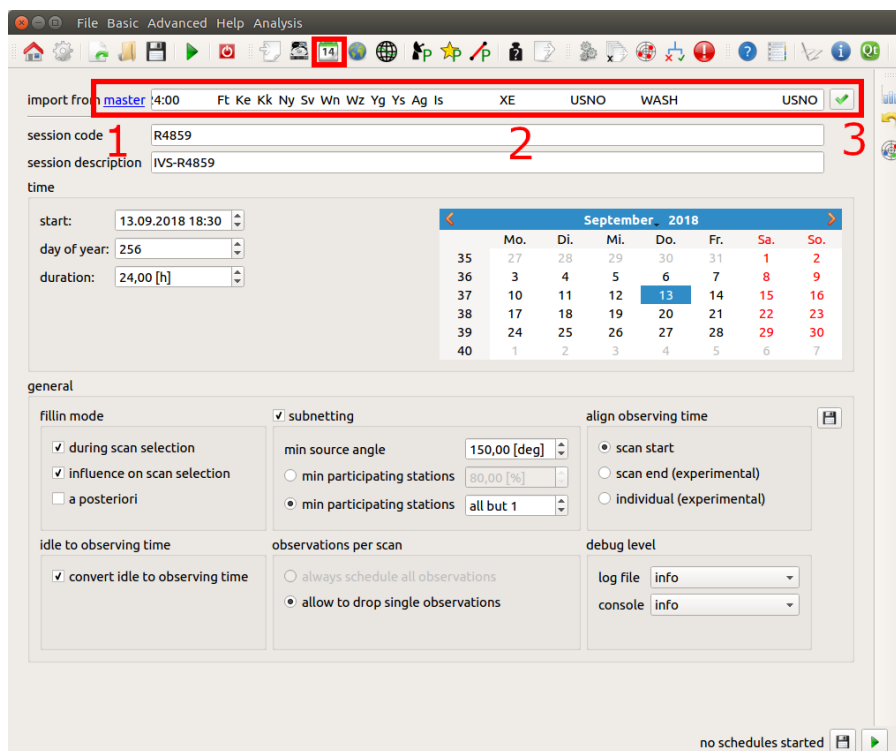
1 Description

This exercise will give a short introduction to the possibilities of creating a geodetic VLBI schedule using the VieSched++.

Our goal is to schedule tomorrows session **R4859**. Things to keep in mind:

- it is a geodetic session
- the station network consists of 9 stations - global network
- the stations are very different - VGOS and legacy antennas
- there is a local baseline between WETTZELL and WETTZ13N
- an intensive session takes place during the session

2 Read session details from IVS Master Schedule 2018



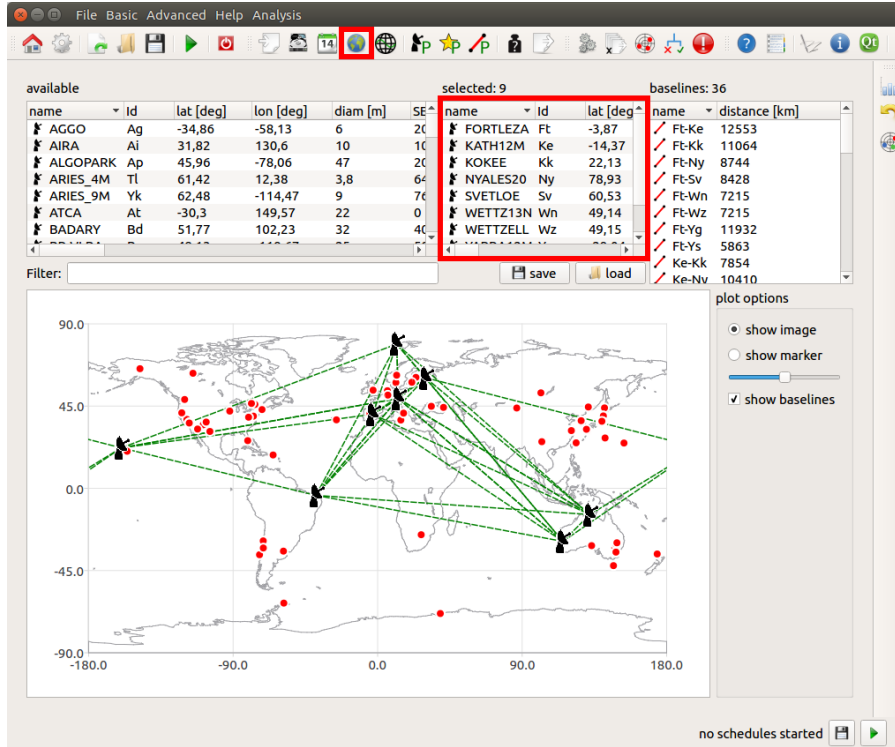
You can automatically import the session from the IVS Master Schedule

- browse to the general tab
- open IVS Master Schedule 2018
- copy line from R4859 to the import
- hit enter or click button to parse this line

3 Read session details from IVS Master Schedule 2018

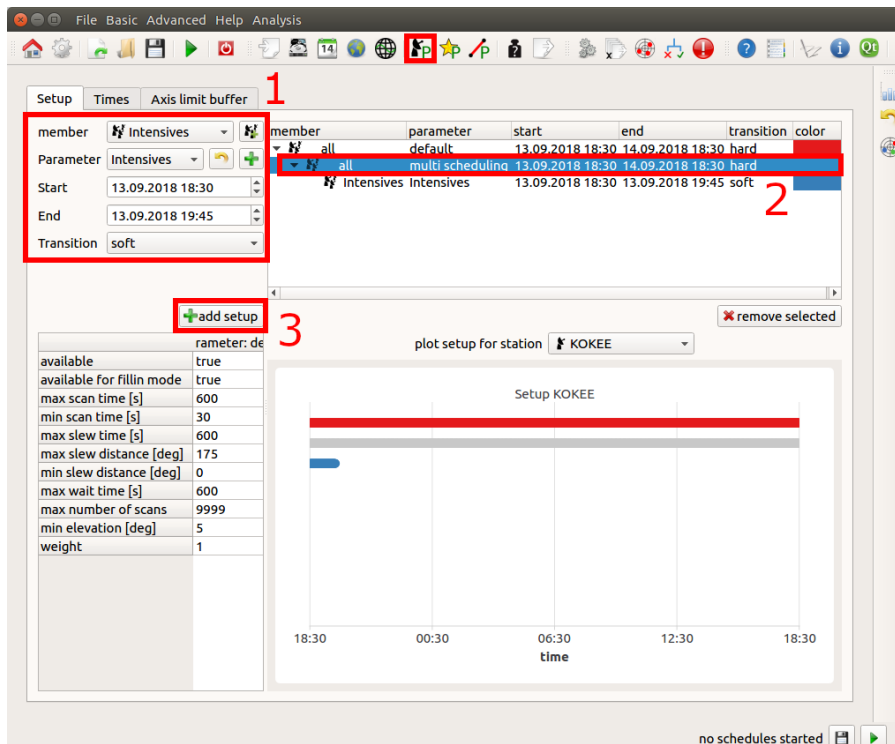
If you have a look at the Schedule Master you can see that AGGO and ISHIOKA dropped out of the schedule.

- deselect Station AGGO and ISHIOKA from the network

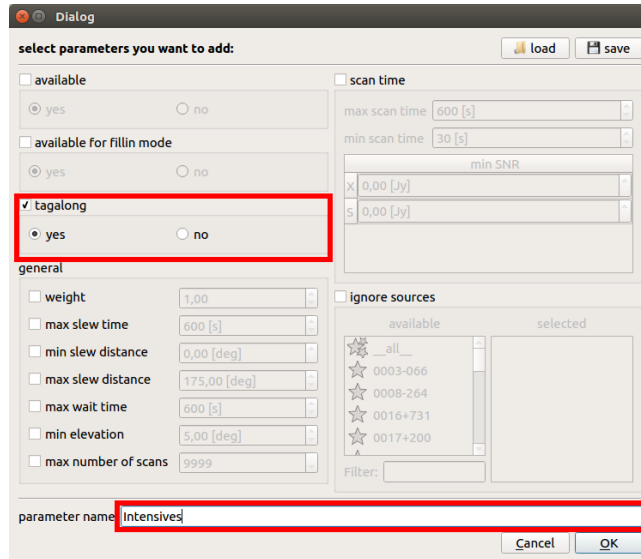


4 Setups

Station WETTZELL and KOKEE take part in an intensive session from 18:30 to 19:30.



- create a new station group with WETTZELL and KOKEE
- create a new parameter where you select tagalong mode
- change the end time of this parameter to 19:45 (change date first)
- select the second element in the tree-based setup view on the right side
- click add setup

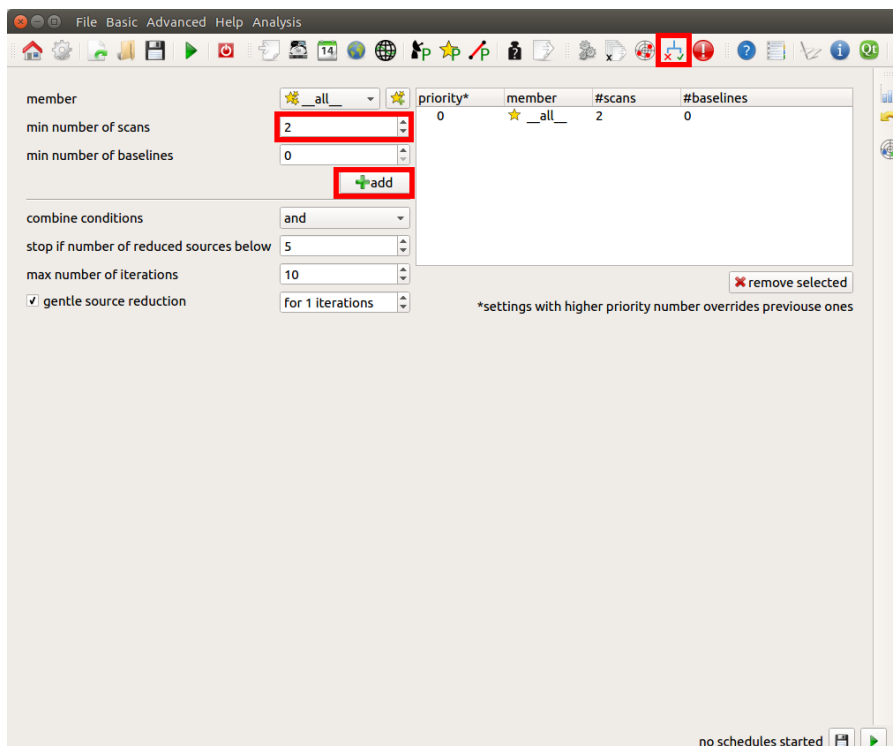


Change the parameters for sources and baselines as well

- sources: change minimum flux for all sources to 0,45 Jy
- baselines: ignore baseline between WETTZELL and WETTZ13N

5 Conditions

To automate the source selection add the condition that at least two scans should be observed per source.

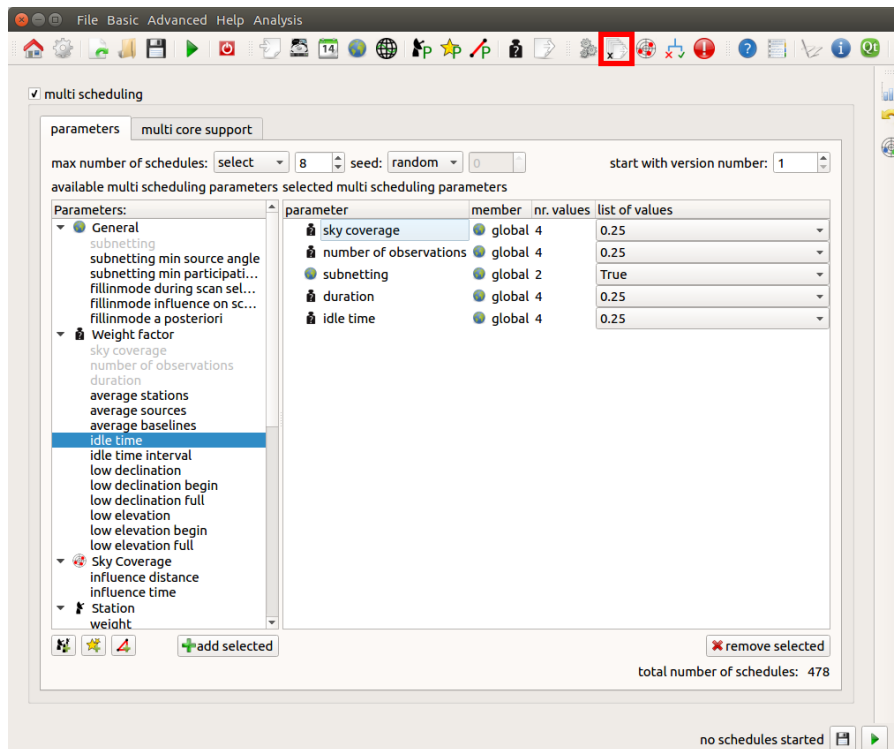


6 Run

Press run and have a look at the output files

7 Have some fun

- Try the multi scheduling tool



- Change some parameters, like: subnetting, station weights...
- Compare schedules using the statistics tool and explore your schedules using the schedule analyzer