

An observing initiative:

- to start 1-hour observation at 5892 km long GGAO/YEBES baseline
- Data are sent to Yebes and correlated there

Objectives:

- To prepare one more Intensive baseline for UT1 determination
- To improve automation of correlation and following data analysis
- To study different observing strategies, such as frequency allocation
- To study the impact of improved calibration

Benefits of collaboration with Yebees team

- Yebees VGOS antennas has the same backend as NASA antennas
- Yebees team has a highly qualified engineering task force: they develop VLBI hardware
- Yebees team is highly motivated in improved calibration
- Yebees is establishing a center for archiving and processing calibration information.

Yebs contributions:

- Observing time
- Correlation
- Their methodology for antenna calibration
- Antenna calibration analysis and archiving
- Expansion of calibration strategies to other antennas

NASA contributions:

- Observing time
- Our methodology for antenna calibration
- Our methodology for antenna calibration analysis and archiving
- Our expertise for accounting of the atmosphere in T_{sys} measurement
- Our methods for automation of correlation and data analysis

Resources:

- 1 hour per week of GGAO observing time
- Leonid Petrov time: 2–3 hours a week
- Frank Lemoine time: 1 hour a week