# VLBI Proposals in 2018

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# 1 What data already exists?

We have a Google Docs spreadsheet to tabulate what data exist for super burst candidates:

https://docs.google.com/spreadsheets/d/1q66mFsBzo\_QSWB3isB\_Q7lddEwuCN\_ixjxBDROMoXg8/edit#gid=0}

# 2 Desired observations

To reach the science goals of our project we will need to perfrom several kinds of observations - each observation type will have a preferential choice of VLBI array.

### • Baseline observations for pre-bursts

High sensitivity to provide context for subsequent bursts Polarisation is desirable Scheduling is not important

Targets: ? Array choice: EVN - deadline 1st June

#### • Triggered observations during bursts

Reasonable sensitivity Polarisation is desirable Quick response scheduling

Targets: 6.7 GHz - G25.65, W49N, + other? 22 GHz - W49N? + other? Array choice: VLBA - deadline 1st Aug

#### • Parallax measurements Reasonable sensitivity

Polarisation not needed Dense scheduling

Targets: G25.65+1.05 Issue: No suitable dual-beam calibrators for VERA Option: 1// EVN calibrator survey (no deadline) -> VERA parallax (deadline 1st Nov) Option: 2// VLBA parallax (deadline 1st Aug)

# 3 Considerations

Do we want baseline and triggered observations to be of the same sensitivity? Use same array?

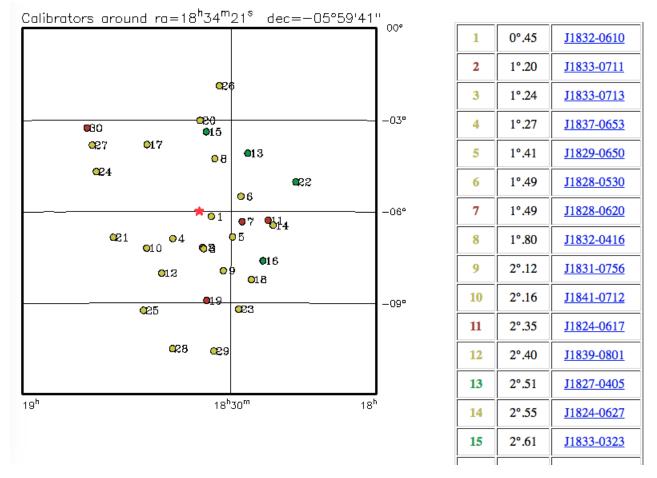


Figure 1: Calibrators near G25.65, from AstroGeo