Observations of G25.65 on the spaceground interferometer RadioAstron

- **Observations**: 29 Sep 2017 12:00 UT 16:00 UT
- **Space-VLBI segment**: 13:10 UT 14:00 UT
- **<u>Telescopes</u>**: RA + Torun + HartRAO + Simeiz (partly)
- <u>The projected baseline length</u> during space-VLBI session: 9.07 9.22 ED for RA+Hh and 8.51 8.67 ED for RA+Tr.
- The corresponding <u>angular resolution</u>: 23.9 μas for SRT+Hh baseline and 25.5 μas for RA+Tr baseline.
- Fringe was detected both on RA+Hh and RA+Tr baselines with SNR = 15.9 and 26.6 respectively.

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- The corresponding <u>linear size</u> of emitting region at the distance of 2.08 kpc is **0.05 AU (5.38 Solar diameters!)**.
- This linear size can be considered as the upper level of the real size of the emitting region. <u>This is the best</u> <u>achieved linear resolution for Galactic H2O masers at the</u> <u>moment.</u>
- Processing of the data is in progress now.