

Technical Page

Proposal Type: Regular
 General Category: VLBI
 Observation Category: Galactic
 Total Time Requested: 8 Hours
 Minimum Useful Time: 1 hour

Proposal Title: Space-VLBI observations of compact structures in OH masers with high sensitivity.

ABSTRACT:

We request 8 hours of Arecibo time for a non-imaging space-VLBI observations of two most compact OH masers with RadioAstron. The main goal of this project is to estimate correlated flux density, size and brightness temperature of the most compact maser spots. Successful RA-Arecibo measurements will provide space-ground baselines ranging from about 0.2 to more than 10 Earth diameters, and give the valuable limits on the brightness temperatures and the sizes of individual spots. This proposal is submitted as part of the Radioastron early science program.

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Remote Observing Request

- Observer will travel to AO
- Remote Observing
- In Absentia (instructions to operator)

Instrument Setup

L-wide

Atmospheric Observation Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned

1660-1670