

Technical Page

Proposal Type: Regular
 General Category: Planetary Radar
 Observation Category: Solar System
 Total Time Requested: 56 Hours

Proposal Title: Delay-Doppler Radar Observations of the Galilean Satellites

ABSTRACT:

We propose to make delay-Doppler radar observations of the Galilean satellites with the Arecibo S-band system in the Fall of 1999. The primary objective will be to obtain accurate ranges to refine orbital parameters and study the 5.7-yr libration in the Laplace resonance. In addition, the same data set will be used to make full-disk delay-Doppler images of radar reflectivity.

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Service Observing Request

Remote Observing Request

- None
- All of the observing run.
- Part of the observing run.
- Queue Observing

- No
- Maybe
- Yes

Instrument Setup

S-band radar

Atmospheric Observation Instruments:

Description of Observer Equipment:

Special Equipment or setup: Special setup: Software needs: Media needs:

RFI Considerations

Frequency Ranges Planned

see proposal