Proposal Identification No.: R1242 Date Received: 1998-Nov- 1_17:22:10

Technical Page

Proposal Type:	Regular
General Category:	Planetary Radar
Observation Category:	Solar System
Total Time Requested:	168 Hours

Proposal Title: RADAR OBSERVATIONS OF MAINBELT ASTEROIDS DURING FEBRUARY - MAY 1999

ABSTRACT:

We propose radar observations of each target. Primary goals are the derivation of otherwise unavailable information about sizes, shapes, topography, small-scale morphology, and near-surface bulk density. Some targets may be analogous to stony-iron meteorites, while others may be more primitive than carbonaceous chondrites. Single-date echo SNRs should average ten times values achieved for main-belt asteroids prior to the Arecibo upgrade.

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Service Observing Request

- [X] None
- [ ] All of the observing run.
- [ ] Part of the observing run.
- [ ] Queue Observing

Remot e Observing Request

- [X] 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