

Technical Page

Proposal Type: Regular
 General Category: Planetary Radar
 Observation Category: Solar System
 Total Time Requested: 106 Hours

Proposal Title: RADAR OBSERVATIONS OF FOUR MAIN-BELT ASTEROIDS IN 1998
ABSTRACT:

We propose delay-Doppler 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. Candidate meteorite analogues for our targets range from irons to ultra-primitive carbonaceous chondrites. Single-date echo SNRs should average ten times values previously achieved for main-belt asteroids.

Name	Institution	E-mail	Phone	Student
Steven J Ostro	Jet Propulsion Laboratory	ostro@echo.jpl.nasa.gov	818-354-3173	N

Service Observing Request

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

Remote Observing Request

- 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