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.

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
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<th>Phone</th>
<th>Student</th>
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<tbody>
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</tbody>
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Service Observing Request

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

Remote 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