Proposal Identification No.: R1150

Date Received: 1998-May-29 12:09:24

Technical Page

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

Proposal Title: RADAR OBSERVATIONS OF FOUR NEAR-EARTH ASTEROIDS IN 1998

ABSTRACT:

We propose delay-Doppler imaging of each target. Primary goals are the derivation of detailed physical models and significant refinement of orbits. Expected SNRs should permit imaging of Ganymed and Sisyphus near kilometer resolution, and of 1989UR and 1996FG3 at decimeter resolution. The next radar opportunities at least this good are not until 2011, 2058, 2053, and 2179 for the four respective targets.

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<tr>
<th>Name</th>
<th>Institution</th>
<th>E-mail</th>
<th>Phone</th>
<th>Student</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steven J Ostro</td>
<td>Jet Propulsion Laboratory</td>
<td><a href="mailto:ostr@echo.jpl.nasa.gov">ostr@echo.jpl.nasa.gov</a></td>
<td>818-354-3173</td>
<td>N</td>
</tr>
</tbody>
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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