Technical Page

Proposal Type: Regular
General Category: Planetary Radar
Observation Category: Solar System
Total Time Requested: 35.75 Hours

Proposal Title: Radar Imaging of Asteroid 1999 GU3

ABSTRACT:

We propose delay-Doppler imaging of 1999 GU3, one of the smallest known slow rotators among the near-Earth asteroid population, to discern decimeter-scale surface features, to reconstruct the asteroid’s shape, and to determine its spin state.

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>E-mail</th>
<th>Phone</th>
<th>Student</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lance A. M. Benner</td>
<td>Jet Propulsion Laboratory</td>
<td><a href="mailto:lance@reason.jpl.nasa.gov">lance@reason.jpl.nasa.gov</a></td>
<td>818-354-7412</td>
<td>no</td>
</tr>
</tbody>
</table>

I do NOT want to do remote observing.

Instrument Setup

S-Band radar

Atmospheric Optical Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned