Technical Page

Proposal Identification No.: R1604
Date Received: 2001-Sep-24 14:14:16

Proposal Type: Regular
General Category: Planetary Radar
Observation Category: Solar System
Total Time Requested: 54 Hours

Proposal Title: Radar observations of Near-Earth Asteroids in March 2002.

ABSTRACT:

We propose to obtain high-resolution (15-50-m resolution) of near-Earth asteroids 1999 HF1, 2000 GD2, and possibly 2001 CB21. We should be able to obtain 15-m resolution images of 2000 GD2 and 2001 CB21. We should be able to obtain 50-m resolution images of 1999 HF1, which is believed to be a binary object. We will determine the orbit of the binary and the masses and sizes (and thus densities) of the components.

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>E-mail</th>
<th>Phone</th>
<th>Student</th>
</tr>
</thead>
<tbody>
<tr>
<td>Michael C Nolan</td>
<td>Arecibo Observatory</td>
<td><a href="mailto:nolan@naic.edu">nolan@naic.edu</a></td>
<td>787-878-2612x334</td>
<td>no</td>
</tr>
</tbody>
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I do NOT want to do remote observing.

Instrument Setup

S-Band radar               S-band receiver

Atmospheric Optical Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned