Technical Page

This proposal has not been submitted before.

Proposal Type: Urgent
General Category: Planetary Radar
Observation Category: Solar System
Total Time Requested: 2.5 Hours
Minimum Useful Time: 1.0

Proposal Title: Radar Observations of Near-Earth Asteroid 2015 RF36

ABSTRACT:
We request 2.5 total hours to observe near-Earth asteroid 2015 RF36, which is of interest to NASA as a so-called NHATS object. We will refine its orbit and estimate its size and rotation period, which are within a factor of two 75 meters and 7.3 hours, respectively. This object can be observed after project S3046, taking the place of P1693 from 00:00 to 01:15 AST, on September 24 and 25. If all goals are met on the first night, the second night can be given back to P1693 or another project.

<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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Remote Observing Request

- [X] Observer will travel to AO
- [ ] Remote Observing
- [ ] In Absentia (instructions to operator)

Instrument Setup

S-Band radar  S-band receiver

Atmospheric Observation Instruments:

- Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned