Technical Page

This proposal has not been submitted before.

Proposal Type: Urgent
General Category: Planetary Radar
Observation Category: Solar System
Total Time Requested: 11.5 Hours
Minimum Useful Time: 3

Proposal Title: Urgent Proposal for Radar Observations of Near-Earth Asteroid 2013 WT44

ABSTRACT:

We propose Arecibo radar imaging and shape modeling of near-Earth asteroid 2013 WT44 during its close approach within 0.056 AU in late March of 2014. Recent results from NASA’s Wide-field Infrared Explorer (WISE) spacecraft indicate that this object is 1 km in diameter and that it will be a very strong radar target. The proposed observations will help calibrate the diameter estimated from the WISE mission data.

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<thead>
<tr>
<th>Name</th>
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<th>Student</th>
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<tbody>
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Remote Observing Request

- [ ] Observer will travel to AO
- [ ] Remote Observing
- [x] 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