

Technical Page

Proposal Type: Urgent
 General Category: Planetary Radar
 Observation Category: Solar System
 Total Time Requested: 6 Hours
 Minimum Useful Time: 1 hour

Proposal Title: Arecibo Radar Observations of Near-Earth Asteroid 2006 WB

ABSTRACT:

2006 WB is a small (roughly 100 m across) near-Earth asteroid. It approaches to within 0.03 AU (10 lunar distances) on Dec 14. Objects in this size range are interesting because they are near the transition between strength- and gravity-dominated shape and rotational properties. 2006 WB is classified as a potentially hazardous object and radar astrometry would dramatically increase the interval of accurate trajectory prediction. We propose two days of observations for rotation phase coverage.

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Remote Observing Request

- 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