

Technical Page

Proposal Type: Urgent
 General Category: Planetary Radar
 Observation Category: Solar System
 Total Time Requested: 9 Hours
 Minimum Useful Time:

Proposal Title: Radar Observations of Asteroid 2006 RZ

ABSTRACT:

Recently-discovered asteroid 2006 RZ will be observable at Arecibo in early October, 2006, even with its current low power. We propose radar observations of this several-hundred-meter object to determine its size, shape, and spin properties. Nothing but its approximate size of 300m is known about this object, but it is well-placed for spectroscopic visible and infrared observations over the next few weeks, and we expect that by the end of the observing campaign it will be well-observed at multiple wavelengths. We propose to observe this object on two days near closest approach, Oct 7 and 8, and one day about a week earlier to get adequate aspect angle coverage, and to determine whether we need to attempt bistatic observations with the GBT at the time of closest approach.

Name	Institution	E-mail	Phone	Student
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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