

Technical Page

Proposal Type: Urgent
 General Category: Planetary Radar
 Observation Category: Solar System
 Total Time Requested: 10 Hours

Proposal Title: Radar Observations of 2003 YT1

ABSTRACT:

Asteroid 2003 YT1 will pass to within 0.075 AU of the Earth from 2004 May 1–5. This large (2 km) near-Earth asteroid presents an excellent opportunity for radar imaging, the best in the last year, with >50 pixels resolution in each dimension. We propose to image this asteroid on as many days as possible during this interval to obtain good rotational and aspect coverage. Unfortunately, this time overlaps with the “mid-panel replacement” on the same dates. We propose to perform these observations after the workers finish. They are scheduled to work until 20:00, though sunset is about at 18:45. Details will depend on how the mid-panel replacement proceeds.

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Service Observing Request

Remote Observing Request

- None
- All of the observing run.
- Part of the observing run.
- Queue Observing

- No
- Maybe
- Yes

Instrument Setup

S-Band radar S-band receiver

Atmospheric Observation Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned