

Technical Page

Proposal Type: Urgent
 General Category: Planetary Radar
 Sub-Category: Radar
 Observation Category: Solar System
 Total Time Requested: 4 Hours

Proposal Title: Radar observations of asteroid 2001 SE286

ABSTRACT:

A large (2 km) near-Earth asteroid, 2001 SE286, will approach the Earth at a distance of 0.13 AU on 2001 Dec 18-22, at the time of previously scheduled radar observations of Saturn’s rings. The signal-to-noise ratio for these observations, about 40 per run, will allow ranging and imaging of the asteroid with the goal of characterizing its overall orbital and physical properties. We are requesting two 2-hour blocks of time at the end of the Saturn windows for these observations.

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Service Observing Request

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

Remote Observing Request

- No
- Maybe
- Yes

Instrument Setup

S-Band radar S-band receiver

Atmospheric Observation Instruments:

Special Equipment or setup: Fast sampling system

RFI Considerations

Frequency Ranges Planned