

Technical Page

Proposal Type: Regular
 General Category: Planetary Radar
 Observation Category: Solar System
 Total Time Requested: 19.5 Hours

Proposal Title: Proposal for Radar Observations of Near-Earth Asteroids 1990 OS and 2002 QF15

ABSTRACT:

We propose radar observations of these objects during close approaches in November 2003. The expected echo signal-to-noise ratios can support imaging and shape reconstruction at resolutions of order 10 m for 1990 OS and 100 m for 2002 QF15. Our objectives are to produce a physical model of each asteroid (including the spin state and radar surface properties), to find out if either is a binary system, and to improve their orbits.

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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

Atmospheric Observation Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned