

Technical Page

Proposal Type: Regular
 General Category: Planetary Radar
 Observation Category: Solar System
 Total Time Requested: 8:00 Hours

Proposal Title: Radar astrometry of near-Earth asteroid 99942 Apophis (2004 MN4) in May 2006
ABSTRACT:

We propose radar observations of 99942 Apophis (2004 MN4) on May 6-8, 2006 in order to obtain radar astrometry to improve the asteroid’s orbit. There is considerable scientific and political interest in retiring the risk of a low-probability (2E-4, Torino Scale 1) impact solution in 2036, which could be accomplished by radar ranging in May 2006. The 2006 apparition is the last chance to significantly improve the orbit with radar until late in 2012.

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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