

### Technical Page

Proposal Type: Urgent  
 General Category: Planetary Radar  
 Observation Category: Solar System  
 Total Time Requested: 11 Hours

**Proposal Title:** Urgent Proposal for S-band Radar Astrometry of Asteroid 2004 MN4 in August 2005

*ABSTRACT:*

We propose radar observations of 2004 MN4 on August 7-9 2005 in order to obtain radar astrometry to improve the asteroid's orbit. Radar astrometry in August 2005 could retire the risk of multiple low-probability (Torino scale 1) impact solutions in the 2030s. Although the probability of such impacts is low, there is considerable scientific and political interest in retiring the risk as soon as possible.

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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**