Proposal Identification No.: R2632 Date Received: 2011-Feb-04_14:59:05

Technical Page

Proposal Type:	Regular
General Category:	Planetary Radar
Observation Category:	Solar System
Total Time Requested:	45 Hours
Minimum Useful Time:	1.5

Proposal Title: Radar Detection of Six M-class Asteroids

ABSTRACT:

We propose to observe six M-class asteroids, five of which have never been observed. Our purpose is to continue our systematic investigation into the properties of the M-class asteroids, long thought to be remnant cores of early planetesimals. Successful observation of these six objects will: (1) increase our total sample size of observed M-asteroids by 25% to 25 total objects; and (2) provide a second look at a potential M-class contact binary, 678 Fredegundis.

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Remote Observing Request

- [X] Observer will travel to AO
- [ ] Remote Observing
- [ ] In Absentia (instructions to operator)

Instrument Setup

S-Band radar S-band receiver

Atmospheric Observation Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned