Technical Page

Proposal Type:	Regular
General Category:	Astronomy
Sub-Category:	Solar System
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Observation Category:	
Total Time Requested:	100 Hours

Proposal Title: Radar Observations of Mainbelt Asteroids in October 1999 and January 2000

ABSTRACT:

We propose radar observations to derive otherwise unavailable information about sizes, shapes, topography, small-scale morphology, and near-surface bulk density. One target may be an important source of ordinary chondrites, while the other four may be primitive objects analogous to carbonaceous chondrites. Single-date echo SNRs should average at least four times values achieved for mainbelt asteroids prior to the Arecibo upgrade.

Name	Institution	E-mail	Phone	Student
Christopher Magri	University of Maine at Farmington	magri@maine.edu	207-778-7369	no

I NA want to do remote observing.

Instrument Setup

S-Band radar S-band receiver

Atmospheric Optical Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned

not given