Proposal Identification No.: R1718 Date Received: 2003-Oct-01_17:04:21

Technical Page

Proposal Type:	Regular
General Category:	Planetary Radar
Observation Category:	Solar System
Total Time Requested:	60 Hours

Proposal Title: Radar Observations of Asteroid 4 Vesta

ABSTRACT:

We propose to take advantage of the *best observing opportunity in this century* to observe the main-belt asteroid 4 Vesta. We will measure rotationally-resolved surface properties and images in order to 13-cm, dual-polarization radar map of the asteroid's surface . These measurements will address the relationship between the its collisional history and surface processing, and determine the degree of (in)homogeneity in surface properties

Name	Institution	E-mail	Phone	Student
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Service Observing Request

- [X] None
- [ ] All of the observing run.
- [ ] Part of the observing run.
- [ ] Queue Observing

Remot e Observing Request

- [X] No
- [ ] Maybe
- [ ] Yes

Instrument Setup

S-Band radar S-band receiver

Atmospheric Observation Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned