

Technical Page

Proposal Type: Urgent
 General Category: Planetary Radar
 Observation Category: Solar System
 Total Time Requested: 3 Hours

Proposal Title: Radar imaging of near-Earth asteroid 2000 ED14

ABSTRACT:

A ~200 meter diameter object discovered on March 4 follows an orbit with a close approach distance to Earth of 0.058 AU on March 20. We propose to use the S-band planetary radar during three hours of maintenance time to obtain radar astrometry and to measure the target's physical and rotational properties. Imaging at short bauds can potentially place up to a hundred pixels on the object and reveal its overall morphology.

Name	Institution	E-mail	Phone	Student
Jean-Luc Margot	NAIC	margot@naic.edu	338	

I want to do remote observing.

Instrument Setup

S-Band radar

Atmospheric Optical Instruments:

Description of Observer Equipment: Portable fast sampler

Special Equipment or setup: Radar interface

RFI Considerations

Frequency Ranges Planned