

Technical Page

Proposal Type: Urgent
 General Category: Planetary Radar
 Sub-Category: Radar
 Observation Category: Solar System
 Total Time Requested: 6:45 Hours

Proposal Title: Urgent Proposal for Radar Imaging of near-Earth Asteroid 1994 XD

ABSTRACT:

We propose radar imaging of recently-recovered near-Earth asteroid 1994 XD immediately prior to times already scheduled for radar observations of asteroid 2003 YN107 under proposal R2087. Our objectives are to refine the orbit, search for satellites, and obtain delay-Doppler images with a resolution as fine as 30 meters.

Name	Institution	E-mail	Phone	Student
Lance A. M. Benner	Jet Propulsion Laboratory	Lance.Benner@jpl.nasa.gov	818-354-7412	no

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