

Technical Page

Proposal Type: Regular
 General Category: Planetary Radar
 Observation Category: Solar System
 Total Time Requested: 2 Hours
 Minimum Useful Time:

Proposal Title: Radar Observations of Asteroid 2006 QV89

ABSTRACT:

We propose radar observations of near-Earth asteroid 2006 QV89. This small (about 30-m diameter) asteroid will be observable at Arecibo from 2006 Sept 1-12. We propose to observe it with the S-Band radar at low power on 2006 September 6. It should be detectable unless it is smaller than predicted or rotating very quickly. These observations will also validate the use of the radar on commercial power for the upcoming R2182 observations of the Moon.

Name	Institution	E-mail	Phone	Student
Michael C Nolan	AO	nolan@naic.edu		no

Remote Observing Request

- 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

2370-2390