

Technical Page

This proposal has not been submitted before.

Proposal Type: Regular
 General Category: Planetary Radar
 Observation Category: Solar System
 Total Time Requested: 21 Hours
 Minimum Useful Time: 2h

Proposal Title: Arecibo Radar Imaging of Asteroid 12 Victoria in 2014

ABSTRACT:

We propose to observe the main-belt asteroid 12 Victoria with the Arecibo S-band radar in late August 2014. This encounter is the best opportunity to observe Victoria since the Arecibo radar upgrade and for at least another decade. Signal-to-noise ratios (SNRs) will be sufficient for delay-Doppler imaging and shape reconstruction. These observations will refine Victoria’s size, rotation state, and add to our relatively sparse knowledge of mid-size main-belt asteroid shapes.

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Remote Observing Request

- Observer will travel to AO
 Remote Observing
 In Absentia (instructions to oper-
ator)

Instrument Setup

S-Band radar S-band receiver

Atmospheric Observation Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned