Technical Page

Proposal Type:	Regular
General Category:	Planetary Radar
Observation Category:	Solar System
Total Time Requested:	94 hours Hours
Minimum Useful Time:	2 hours

Proposal Title: Arecibo Radar Imaging of Six Near-Earth Asteroids During February - May 2010

ABSTRACT:

We plan to observe six NEAs with the Arecibo planetary radar system to continue our very successful program of characterizing these objects. New types of objects are still being discovered, so it is important to continue characterizing as many objects using good quality images. A better understanding of the population of NEAs is important to assess the impact hazard, and to constrain models of the formation of the solar system.

Name	Institution	E-mail	Phone	Student
Ellen Howell	Arecibo Observatory	ehowell@naic.edu		no

Remote Observing Request

- [X] 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