Proposal Identification No.: R2792 Date Received: 2012-Sep-04_20:14:19

Technical Page

Proposal Type:	Regular
General Category:	Planetary Radar
Observation Category:	Solar System
Total Time Requested:	16.75 Hours
Minimum Useful Time:	

Proposal Title: Arecibo Radar Observations of Near-Earth Asteroid and Deep Impact Spacecraft Target (163249) 2002 GT in June of 2013

ABSTRACT:

We propose radar observations, physical characterization, and orbit refinement of near-Earth asteroid 2002 GT in June of 2013. NASA's Deep Impact spacecraft is on course to encounter 2002 GT in January of 2020, but very little is known about the asteroid, and the observations we propose will support the spacecraft by providing information otherwise unavailable from any other ground-based technique.

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

Remote Observing Request

- [X] Observer will travel to AO
- [ ] Remote Observing
- [ ] In Absentia (instructions to operator)

Instrument Setup

S-Band radar

Atmospheric Observation Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned