

### Technical Page

Proposal Type: Regular  
 General Category: Planetary Radar  
 Observation Category: Solar System  
 Total Time Requested: 24 Hours

**Proposal Title:** Radar Observations of Mercury during the Summer 2004 Conjunction  
*ABSTRACT:*

This is a proposal to conduct a short campaign of S-band radar observations of Mercury in the summer of 2004. The observations will be made around the August inferior conjunction, when the planet is closest to us and when the highest quality delay-Doppler imaging can be done. This proposal is intended primarily to image the north polar ice and to improve our image coverage of the Mariner-unimaged hemisphere.

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John K Harmon	Arecibo Observatory	harmon@naic.edu	787-878-2612 x284	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                      S-band receiver

**Atmospheric Observation Instruments:**

**Special Equipment or setup:** none

**RFI Considerations**

**Frequency Ranges Planned**

2380