

### Technical Page

Proposal Type: Regular  
 General Category: Pulsars  
 Observation Category: Galactic  
 Total Time Requested: 17 Hours

**Proposal Title:** Exploratory high-precision pulsar timing and polarimetry  
*ABSTRACT:*

We request 17 hr of Arecibo time in summer 2004 for a set of pilot timing and polarimetry observations of recently discovered pulsars using the Wideband Arecibo Pulsar Processors. The goal of the observations is threefold: (i) checks of our software on WAPP timing-mode observations for use in future long-term experiments; (ii) obtaining publication-quality polarization profiles; (iii) to explore the potential of the voltage sampling mode.

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#### Service Observing Request

- None
- All of the observing run.
- Part of the observing run.
- Queue Observing

#### Remote Observing Request

- No
- Maybe
- Yes

#### Instrument Setup

430 G L-wide 430 CH receiver S-low 327

#### Atmospheric Observation Instruments:

**Special Equipment or setup:** none

#### RFI Considerations

#### Frequency Ranges Planned

300-350  
 420-440

1000-2000  
2000-3000