

## Technical Page

This proposal has not been submitted before.

Proposal Type: Regular  
 General Category: Pulsars  
 Observation Category:  
 Total Time Requested: 48 hrs for each of 2 cycls Hours  
 Minimum Useful Time:

**Proposal Title:** Pulse-Sequence Polarimetry of Selected Arecibo Pulsars

*ABSTRACT:*

We propose to continue our current programs with new targeted, sometimes lengthy polarimetric observations on selected normal and millisecond pulsars. All the new observations are tailored to complete or pursue specific science goals. We pursue beamform characterizations, moding phenomena, supplement our studies of bistability and drifting effects with the ultimate aim of developing candidates for simultaneous X-ray-radio campaigns, and expand identification of the physical X and O propagation modes. We will also push our observations and analyses, including microstructure and intensity dependence to slower pulsars, document moding and measure new RMs. Given our past success and the unique significance of polarimetric pulse sequence observations made with the Arecibo telescope, we propose observations significant both for the authors and their students as well as the larger pulsar emission community. We request 48 hrs eaching for next 2 cycles of which 75 percent would be in 18-21 RA.

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### Remote Observing Request

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

### Instrument Setup

L-wide                    C S-low 327                    S-high C-high

### Atmospheric Observation Instruments:

**Special Equipment or setup:** none

## RFI Considerations

### Frequency Ranges Planned