

## Technical Page

This proposal has not been submitted before.

Proposal Type: Regular  
 General Category: Pulsars  
 Observation Category: Galactic  
 Total Time Requested: 27 Hours  
 Minimum Useful Time: 1 hour

**Proposal Title:** Further Follow-up of Interesting Pulsars Discovered in the Arecibo 327 MHz Drift Scan Survey

*ABSTRACT:*

We propose to use 36 hours of Arecibo time over the course of a year to time two interesting pulsar systems discovered in the Arecibo Observatory 327 MHz Drift Scan Survey and to find an initial timing solution for a newly discovered source. One of the interesting systems (PSR J2234+06) is an MSP in a 32 day binary orbit with an eccentricity of 0.129. The other (PSR J2204+27) is an intermediate period pulsar with at least one companion and initial follow-up indicates that it might have at least one more companion.

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### Remote Observing Request

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

### Instrument Setup

L-wide                      327

### Atmospheric Observation Instruments:

**Special Equipment or setup:** We will use PUPPI for all observations.

### RFI Considerations

## **Frequency Ranges Planned**

This proposal requires Iridium RFI protection at 1612 MHz between 10pm and 6am EST.

This proposal requires coordination with Punta Salinas radar within the band 1222-1381 MHz..

This proposal requires coordination with GPS L3 at 1381 MHz.