

## Technical Page

Proposal Type: Regular  
 General Category: Pulsars  
 Observation Category:  
 Total Time Requested: 10 Hours  
 Minimum Useful Time: 1

**Proposal Title:** Radio Observations of Two Enigmatic Neutron Stars

**ABSTRACT:**

We request 10 hours to continue timing and monitoring RRAT J1911+00 and to observe the “sometimes-pulsar” B1931+24 in order to place more stringent limits on any faint emission in its “off” state. Observations of both sources are absolutely crucial if we are to understand the emission mechanisms of these objects, whether they are related to each other, and how they might relate to other neutron star populations. Previous observations under P2205 have shown that 327 MHz is a sensitive and relatively RFI-free frequency to continue timing and monitoring the RRAT sources. We expect to measure a period derivative for J1911+00 within a few months and be almost 10 times more sensitive than previous observations for weak emission from B1931+24.

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### Remote Observing Request

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

### Instrument Setup

327

**Atmospheric Observation Instruments:**

**Special Equipment or setup:** none

### RFI Considerations

## Frequency Ranges Planned

300-350