

## Technical Page

Proposal Type: Regular  
 General Category: Pulsars  
 Observation Category: Galactic  
 Total Time Requested: 10 Hours

**Proposal Title:** Three X-ray Bright Neutron Star Candidates: A Search for Radio Pulsar Counterparts

*ABSTRACT:*

We request a modest allocation (8 hr) of Arecibo time to search for radio pulsations from three X-ray-selected neutron star candidates, two of which are associated with supernova remnants and exhibit significantly non-thermal X-ray spectra. The third target is a thermal X-ray point source with a very high X-ray to optical flux ratio, a newly identified member of a growing class of mysterious nearby isolated neutron stars that may well be radio quiet. Detection of pulsations will have important implications for our understanding of the origins, energetics, and evolution of these unusual objects.

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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**

L-wide

**Atmospheric Observation Instruments:**

**Special Equipment or setup:** WAPP

**RFI Considerations**

**Frequency Ranges Planned**

