

## Technical Page

This proposal has not been submitted before.

Proposal Type:               Short  
 General Category:         Pulsars  
 Observation Category:   Galactic  
 Total Time Requested:   1 hr 20 min Hours  
 Minimum Useful Time:   1 hr 20 min

**Proposal Title:** Is soft X-ray transient 1H 1905+000 a radio millisecond pulsar now?

*ABSTRACT:*

There are now three sources known that change from mass-accreting X-ray emitters to pulsating radio emitters, and back. Given this, we propose for the follow-up observation of the neutron star binary 1H 1905+000. That source has transformed from an X-ray emitting accretion state to a low, very quiescent state - the dimmest of all X-ray pulsars. Our 2006 Arecibo observations, however, did not yet reveal radio pulsations. Has the source changed to a proper radio-emitting millisecond pulsar since? That we propose to investigate in this proposal.

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### Remote Observing Request

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

### Instrument Setup

L-wide

### Atmospheric Observation Instruments:

**Special Equipment or setup:** none

### RFI Considerations

## **Frequency Ranges Planned**

1220 - 1250

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.