

Technical Page

This proposal has not been submitted before.

Proposal Type: Short
 General Category: Pulsars
 Observation Category: Galactic
 Total Time Requested: 1.5 Hours
 Minimum Useful Time: 1.5h

Proposal Title: S-band high follow-up on soft X-ray transient 1H 1905+000

ABSTRACT:

Recently several new millisecond pulsars (MSPs) have been found that are able to switch their states from accretion-powered to rotation-powered and back. Similar behaviour is expected for the relatively dim, currently quiescent soft X-ray transient 1H 1905+000. Still, L-band Arecibo observations taken in 2006 and 2015 did not reveal any radio pulsations. This is possibly due to large pulse scattering, or to RFI contamination. Therefore, we propose to perform a 1.5 hour of higher frequency (S-High band) follow-up observations in order to avoid these issues and ultimately decide whether this transient belongs to the transitional MSP family.

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Remote Observing Request

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

Instrument Setup

S-high

Atmospheric Observation Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned

3600-3621

3657-3690