

Technical Page

Proposal Type: Short
 General Category: Pulsars
 Observation Category: Galactic
 Total Time Requested: 1.5 Hours
 Minimum Useful Time: 45 min

Proposal Title: Confirmation of a Giant Pulse Candidate Discovered by the Arecibo PALFA Survey

ABSTRACT:

We request 1.5 hours to confirm PSR J0627+16, which was discovered via single pulse search. The best estimate for its period is 2.17 s but due to the small number of pulses detected this estimate may be a multiple of the actual period. The pulse width is only 0.3 ms, suggesting giant pulse emission.

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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

1320-1720

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.