

Technical Page

Proposal Type: Regular
 General Category: Pulsars
 Observation Category: Galactic
 Total Time Requested: 4 Hours
 Minimum Useful Time: 30 minutes

Proposal Title: Characterizing Rotating Radio Transient J0627+16

ABSTRACT:

We request 4 hr of Arecibo time for pulse timing measurements of rotating radio transit (RRAT) J0627+16. This source, discovered in the PALFA pulsar survey during observations of the Galactic anti-center region, rotates with a period of 2.180 s and shows a highly erratic pattern of pulse emission. The proposed observations are part of the PALFA effort to measure of positions and spin-down rates of all newly discovered sources. The new observations will also add to our growing knowledge about the emission properties of RRATs.

Name	Institution	E-mail	Phone	Student
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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

1120-1220
1320-1620

This proposal requires coordination with Punta Salinas radar within the band 1222-1381 MHz..

This proposal requires coordination with GPS L3 at 1381 MHz.