

Technical Page

Proposal Type: Regular
 General Category: Pulsars
 Observation Category: Galactic
 Total Time Requested: 6 Hours
 Minimum Useful Time: 2 hours

Proposal Title: Single pulse observations of PSR J1752+2359.

ABSTRACT:

We request 6 hours to investigate the single pulse properties of PSR J1752+2359. This pulsar was found to have unusual burst-like emission properties, spending 70-80 percent of time in a null state. It is visible only during bursts of emission which are approx. 45 seconds long, and shows characteristics that are atypical for other nulling pulsars. These observations will allow a thorough investigation of single pulse data for this pulsar necessary to clarify the relationship of PSRJ1752+2359 to other classes of intermittent pulsars.

Name	Institution	E-mail	Phone	Student
Wojciech M Lewandowski	J. Kepler Institute of Astronomy, University of Zielona Gora, Poland	boe@astro.ia.uz.zgora.pl	+48 660885499	no

Remote Observing Request

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

Instrument Setup

L-wide 327

Atmospheric Observation Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned

300 - 350 MHZ

1350 - 1450 MHz

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

This proposal requires coordination with GPS L3 at 1381 MHz.