

Technical Page

Proposal Type: Regular
 General Category: Pulsars
 Observation Category: Galactic
 Total Time Requested: 51 Hours

Proposal Title: PSR B1534+12: Campaign Observations

ABSTRACT:

We request a session of 14 consecutive observing days, from 1345 to 1700 LST, for observations of the binary pulsar B1534+12 at 430 and 1400 MHz, including daily continuum-source calibration. During this time, we also request two transits of PSR B1929+10, from 1800 to 2045, for the purpose of polarization calibration. This proposal has the important dual goals of obtaining high-quality timing data with which to refine the orbital parameters, and collecting high signal-to-noise profiles as part of a series with which we are monitoring the secular profile shape changes due to general-relativistic geodetic precession.

Name	Institution	E-mail	Phone	Student
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Service Observing Request

Remote Observing Request

- | | |
|---|--|
| <input checked="" type="checkbox"/> None
<input type="checkbox"/> All of the observing run.
<input type="checkbox"/> Part of the observing run.
<input type="checkbox"/> Queue Observing | <input type="checkbox"/> No
<input checked="" type="checkbox"/> Maybe
<input type="checkbox"/> Yes |
|---|--|

Instrument Setup

430 CH receiver L-narrow

Atmospheric Observation Instruments:

Description of Observer Equipment: Princeton Mark IV and ASP, possibly WAPP

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned

425-435

1350-1450

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

This proposal requires coordination with GPS L3 at 1381 MHz.

This proposal requires coordination with AFTWF within the band 425-435 MHz.