Technical Page

This proposal has not been submitted before.

Proposal Type: Director Discretionary Time
General Category: Pulsars
Observation Category: Galactic
Total Time Requested: 18 Hours
Minimum Useful Time: 1 hour

Proposal Title: Extended follow-up of 3 Arecibo Driftscan discovered pulsars

ABSTRACT:
We request director’s discretionary time to do additional follow-up of pulsars. This includes one slow pulsars that seems to switch between multiple emission modes and two millisecond pulsars which need additional characterization at 1.5 GHz to test them for potential inclusion in pulsar timing array experiments and to extend their timing baseline.

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>E-mail</th>
<th>Phone</th>
<th>Student</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kevin Stovall</td>
<td>NRAO</td>
<td><a href="mailto:stovall.kevin@gmail.com">stovall.kevin@gmail.com</a></td>
<td>3252262495</td>
<td>no</td>
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</tbody>
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Remote Observing Request

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

Instrument Setup

430 G L-wide 327

Atmospheric Observation Instruments:

Special Equipment or setup: 297 - 357 415 - 445 1050 - 1700

RFI Considerations

Frequency Ranges Planned
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.