This proposal has not been submitted before.

Proposal Type: Director Discretionary Time
General Category: Pulsars
Observation Category: 
Total Time Requested: 2 Hours
Minimum Useful Time: 1

Proposal Title: Educational Observing in Support of NANOGrav

ABSTRACT:

NANOGrav has a strong track record of involving undergraduate students in cutting edge research. In furtherance of this effort, we are holding an undergraduate student workshop on February 2 and 3, 2015, prior to the start of the winter NANOGrav science meeting at Arecibo. We are requesting at least one to two hours of observing time be allocated from an existing pulsar project and schedule during this student workshop so that participants can learn to observe with Arecibo. Students will gain valuable experience using the telescope and will be certified for remote observing, allowing them to more fully contribute to NANOGrav and the observatory. The data collected during this session will also be scientifically useful for NANOGrav.

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>E-mail</th>
<th>Phone</th>
<th>Student</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ryan S Lynch</td>
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<td>717-823-1585</td>
<td>no</td>
</tr>
</tbody>
</table>

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

1150-1730

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.