Technical Page

Proposal Type: Regular
General Category: Astronomy
Sub-Category: Pulsars
Sub-Category: Pulsars
Observation Category: 
Total Time Requested: 3 Hours

Proposal Title: More Life in the Graveyard?

ABSTRACT:
Recently it was found that a pulsar having catalog period 2.8 s actually has period 8.5 s. The error was due to misidentification of the 3rd harmonic of the true period as the fundamental. The revised period places the pulsar beyond the "death line," implying that our understanding of pulsar electrodynamics is flawed. We propose to observe all pulsars in the Arecibo range having periods greater than 1.5 s to verify that no others have been similarly misidentified.

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>E-mail</th>
<th>Phone</th>
<th>Student</th>
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<tbody>
<tr>
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</tbody>
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I NA want to do remote observing.

Instrument Setup

430 G 430 CH receiver

Atmospheric Optical Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned

not given