Technical Page

Proposal Type: Regular
General Category: Pulsars
Observation Category: Total Time Requested: 40 Hours

Proposal Title: Further Scintillation Arc Monitoring of the Pulsar B0834+06

ABSTRACT:

We propose to continue our monitoring of scintillation arc substructure in PSR B0834+06, which has continued at a high level of variability over the last year. We want to employ weekly observations for 8 months to more reliably track substructure in the pulsar. The ultimate goal is to develop a technique to probe the warm, ionized medium on AU-size scales using single-dish observations.

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>E-mail</th>
<th>Phone</th>
<th>Student</th>
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</thead>
<tbody>
<tr>
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<td>440-775-8331</td>
<td>no</td>
</tr>
</tbody>
</table>

Service Observing Request

- X None
- None
- All of the observing run.
- Maybe
- Part of the observing run.
- Yes
- Queue Observing

Remote Observing Request

- X No
- None
- Maybe
- Yes
- None

Instrument Setup

327

Atmospheric Observation Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned

315 - 340