

Technical Page

Proposal Type: Regular
 General Category: Astronomy
 Sub-Category: Spectroscopy
 Observation Category: Galactic
 Total Time Requested: 24 Hours

Proposal Title: Test Observing with 6 to 8 GHz Receiver

ABSTRACT:

We request time for test observations with the 6 to 8 GHz cryogenic receiver currently being assembled by J. Pandian with NAIC staff in Ithaca and Arecibo. We expect the receiver to be shipped to Arecibo late in Summer 2003, and then go through assembly and checkout period in the early Fall. By November, we expect that it will be ready to be installed on the telescope, and want to ensure that there is adequate test time scheduled for fully testing the system for astronomical observations. This means work beyond basic pointing and focus, including such things as optimizing tertiary position, study of day-night performance variations, checking RFI situation, etc. It is particularly important that this be done so that real astronomical use can start in February 2004 (based on full proposal to be submitted for 1 October deadline) to get a good start on Galactic plane survey for methanol masers prior to arrival of ALFA system. It is this pressure that suggests submission of this proposal to supplement the generally very limited time for system development.

Name	Institution	E-mail	Phone	Student
Jagadheep Pandian	Cornell University	jagadheep@astro.cornell.edu	607 255 6472	G

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 checked="" type="checkbox"/> No
<input type="checkbox"/> Maybe
<input type="checkbox"/> Yes |
|---|--|

Instrument Setup

Atmospheric Observation Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned