Proposal Identification No.: P1976 Date Received: 2004-Jun-01_13:59:57

Technical Page

Proposal Type: Regular
General Category: Pulsars
Observation Category:
Total Time Requested: 36 Hours

Proposal Title: High time resolution measurements of pulsar microstructure

ABSTRACT:

As part of a program to distinguish among several theoretical models for the pulsar radio emission mechanism, we propose to compare the micro- and nanostructure signatures predicted by numerical simulations of these models with high time resolution observations at 90, 21, 8 and 6 cm of core and conal pulsar components.

Name	Institution	E-mail	Phone	Student
Timothy H Hankins	New Mexico Tech	thankins@nrao.edu	(505) 835-5340	no

Service Observing Request

- [X] None
- [ ] All of the observing run.
- [ ] Part of the observing run.
- [ ] Queue Observing

Remot e Observing Request

- [X] No
- [ ] Maybe
- [ ] Yes

Instrument Setup

L-wide C X-high 327

Atmospheric Observation Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned

310-340
1360-1470

This proposal requires coordination with Punta Salinas radar within the band 1222-1381 MHz..

This proposal requires coordination with GPS L3 at 1381 MHz.