

## Technical Page

Proposal Type: Regular  
 General Category: Astronomy  
 Sub-Category: Spectroscopy  
 Observation Category: Galactic  
 Total Time Requested: 100 Hours  
 Minimum Useful Time: 30 min

**Proposal Title:** To Continue Monitoring High Latitude OH/IR Stars

**ABSTRACT:**

Mostly scraps of time, as well as daytime twilight gaps in the telescope schedule have been used for several years to monitor the OH masers of high latitude OH/IR stars. This has resulted in a number of discoveries, including the identification of both "dead" OHIR stars, and stars with revived masers, and a star that changed from a classic double peak to a single peak spectrum, among others. This proposal seeks to continue this fruitful study, in part by filling in the gaps in pulsation-phase coverage that have occurred from the episodic (rather, than in an ideal world, regular) availability of time in the crowded Arecibo schedule.

Name	Institution	E-mail	Phone	Student
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### 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

1605 -170 MHz

This proposal requires Iridium RFI protection at 1612 MHz between 10pm and 6am EST.