

## Technical Page

Proposal Type: Long-term  
 General Category: Astronomy  
 Sub-Category: Spectroscopy  
 Observation Category: Galactic  
 Total Time Requested: 48 Hours

**Proposal Title:** Followup on the Arecibo set of OH/IR Stars

**ABSTRACT:**

This is a two year summer student project, aimed at completing the simultaneous observation of the 1612, 1665 and 1667 MHz OH masing lines of the 449 OH/IR stars in the Arecibo sky. This will enable us to establish the ratio between the intensities of the various lines from observations made at the same resolution. It will also enable us to screen this set of objects for further instances of dramatic change in intensity and/or velocity range.

Name	Institution	E-mail	Phone	Student
Murray Lewis	Arecibo	blewis@naic.edu	787 878 2612 ext 285	no

**Service Observing Request**

**Remote Observing Request**

- None
- All of the observing run.
- Part of the observing run.
- Queue Observing

- No
- Maybe
- Yes

**Instrument Setup**

L-wide

**Atmospheric Observation Instruments:**

**Special Equipment or setup:** none

**RFI Considerations**

**Frequency Ranges Planned**