

## Technical Page

Proposal Type: Regular  
 General Category: Astronomy  
 Observation Category: Galactic  
 Total Time Requested: 16 Hours

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

*ABSTRACT:*

We propose over several years to reobserve all of the Arecibo set of OH/IR stars, to establish good quality and good resolution spectra in all three OH lines for all of them. This can easily be accomplished now with simultaneous observation of the OH mainlines at the same resolution, for ready intercomparison. The project is in the first instance a student training exercise, which necessitates the calibration of the data, and its processing. It also has the potential for screening the known set of objects for other instances of dramatic changes in peak intensities, or perhaps in velocity widths.

Name	Institution	E-mail	Phone	Student
B M Lewis	NAIC	blewis@naic.edu	878 2612	no

### Instrument Setup

L-wide

### Atmospheric Optical Instruments:

**Special Equipment or setup:** none

### RFI Considerations

### Frequency Ranges Planned

1612 - 1668 MHz