

## Technical Page

This proposal has not been submitted before.

Proposal Type: Director Discretionary Time  
 General Category: Astronomy  
 Sub-Category: Continuum  
 Observation Category: Galactic  
 Total Time Requested: 7 Hours  
 Minimum Useful Time: 3.5 h

**Proposal Title:** Observations to confirm a possible detection of 5 GHz emission from interstellar dust features

*ABSTRACT:*

A limited data set obtained in June 2016 produced tantalizing evidence for the possible detection 5 GHz continuum emissions from electrons associated with interstellar dust features. The planned observations will aim to either confirm or deny this possibly very important result.

Name	Institution	E-mail	Phone	Student
Gerrit L Verschuur	Arecibo observatory	gverschu@naic.edu	x334	no

### Remote Observing Request

- Observer will travel to AO
- Remote Observing
- In Absentia (instructions to operator)

### Instrument Setup

L-wide                      C

### Atmospheric Observation Instruments:

**Special Equipment or setup:** none

### RFI Considerations

### Frequency Ranges Planned

4600 - 5000