

## Technical Page

This proposal has not been submitted before.

Proposal Type: Director Discretionary Time  
 General Category: Pulsars  
 Observation Category: Galactic  
 Total Time Requested: 12 Hours  
 Minimum Useful Time: 1:15

**Proposal Title:** MULTI-FREQUENCY NULLING BEHAVIOR OF 3 PULSARS FROM THE GBNCC SURVEY

*ABSTRACT:*

The pulsars included in this proposal were identified as strong nulling candidates, evidenced by intensity variations in their discovery plots. Long, continuous scans are necessary to accurately measure each pulsar nulling fraction and timescale and full-polarization data will provide additional information in order to properly account for profile morphology all of these pieces are necessary to effectively compare our results to previous studies. In total, we request 12 hours to characterize the nulling behavior of three GBNCC pulsars.

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### Remote Observing Request

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

### Instrument Setup

430 G                      L-wide

### Atmospheric Observation Instruments:

**Special Equipment or setup:** none

### RFI Considerations

### Frequency Ranges Planned

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

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

This proposal requires coordination with GPS L3 at 1381 MHz.