

## Technical Page

This proposal has not been submitted before.

Proposal Type: Short  
 General Category: Pulsars  
 Observation Category:  
 Total Time Requested: 2.5 Hours  
 Minimum Useful Time: 1 hour

**Proposal Title:** Search for Radio Pulsations from the Gamma-Ray Pulsar J0631+0646  
**ABSTRACT:**

We request 2.5 hours in order to search for radio emission from the newly discovered gamma-ray pulsar J0631+0646. Checking all gamma-ray pulsar discoveries for radio emission helps determine how and why radio-quiet pulsars differ from their radio-loud counterparts. Such observations also elucidate details in the emission mechanisms and magnetospheric structure of different pulsar classes.

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### Remote Observing Request

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

### Instrument Setup

L-wide                      327

### Atmospheric Observation Instruments:

**Special Equipment or setup:** One session will use 327 MHz and the other will use L-wide.

### RFI Considerations

### Frequency Ranges Planned

302 - 352  
1150 - 1730

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.