

Technical Page

Proposal Type: Regular
 General Category: Pulsars
 Observation Category: Galactic
 Total Time Requested: 34 Hours

Proposal Title: A pulsar search of EGRET sources away from the Galactic plane
ABSTRACT:

Of the 271 gamma-ray sources detected by EGRET, 169 remain unidentified. Recently, more than 40 of the unidentified sources have been statistically associated with the Gould belt, a starburst region with a core-collapse supernovae rate of ~ 4 times the Galactic disk which should contain a sizeable population of young pulsars. Due to the inclination of the Gould belt from the Galactic plane it would not normally be covered by a deep pulsar search. We propose a sensitive search of the 27 unidentified EGRET sources that lie within the Gould belt and are visible from Arecibo.

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Service Observing Request

Remote Observing Request

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

- No
- Maybe
- Yes

Instrument Setup

430 G 430 CH receiver

Atmospheric Observation Instruments:

Special Equipment or setup: Require technical support for user owned disk drives.

RFI Considerations

Frequency Ranges Planned

410-440

This proposal requires coordination with AFTWF within the band 425-435 MHz.