

Technical Page

This proposal has not been submitted before.

Proposal Type: Director Discretionary Time
 General Category: Pulsars
 Observation Category: Galactic
 Total Time Requested: 6.25 Hours
 Minimum Useful Time: 1.25 h

Proposal Title: Search for Radio Emission from the Newly Discovered Magnetar 3XMM J185246.6+003317
ABSTRACT:

Radio emission from magnetars is not well understood and our understanding is limited by the small number of radio emitting magnetars that have been discovered. Only four radio magnetars are known, so any new detections are extremely valuable. 3XMM J185246.6+003317 is a newly discovered magnetar that was found serendipitously in XMM observations from 2008-2009. In this DDT proposal we propose to search for radio pulsations from this new magnetar to increase our understanding of radio magnetars either by detecting a new object for study, or by placing a meaningful upper limit on the radio emission of the source.

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Remote Observing Request

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

Instrument Setup

L-wide S-low

Atmospheric Observation Instruments:

Special Equipment or setup: PUPPI is primary instrument.

RFI Considerations

Frequency Ranges Planned

1150-1800
1700-2400

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

This proposal requires coordination with GPS L3 at 1381 MHz.