Technical Page

This proposal has not been submitted before.

Proposal Type: Urgent
General Category: Astronomy
Sub-Category: Spectroscopy
Observation Category: Stellar
Total Time Requested: 4.5 Hours
Minimum Useful Time: 2 hours

Proposal Title: Does WISEP J060738.65+242953.4 Have Flaring Radio Emission?

ABSTRACT:
The recent alleged detection of in-polarized, quiescent radio emission from the L8 dwarf WISEP J060738.65+242953.4 suggests that even brown dwarfs that rotate slowly, or are viewed pole-on, may have detectable magnetic activity. However, this discovery requires verification. Furthermore, this object may serve to enhance our understanding of how rotation and magnetism are related in stars.

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>E-mail</th>
<th>Phone</th>
<th>Student</th>
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</thead>
<tbody>
<tr>
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<td>765-496-0587</td>
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</tbody>
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Remote Observing Request

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

Instrument Setup

☒

Atmospheric Observation Instruments:

Special Equipment or setup: Mock spectrometer

RFI Considerations

Frequency Ranges Planned