

Proposal Identification No.: A2775

Date Received: 2012-Aug-31_10:05:11

Technical Page

Proposal Type: Regular
General Category: Astronomy
Sub-Category: Continuum
Observation Category: Galactic
Total Time Requested: 56 Hours
Minimum Useful Time: 2 hours

Proposal Title: Followup observations of two radio-flaring, ultracool dwarfs, J1047+21, and J1439+19

ABSTRACT:

We propose to conduct followup observations of the two newly detected brown dwarfs using the Arecibo telescope with the C-band receiver and the Mock spectrometer. In particular, the T6.5-dwarf, J1047+21, represents a unique detection, which warrants a possibly thorough followup study of its radio properties. For the L-dwarf, J1439+19, we need to confirm the low-flux flare detected in a single, 70-minute observation.

Name	Institution	E-mail	Phone	Student
Alexander Wolszczan	Penn State University	alex@astro.psu.edu	814 863 1756	no

Remote Observing Request

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

Instrument Setup

C

Atmospheric Observation Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned