

Proposal Identification No.: A2804

Date Received: 2014-Mar-03_21:48:04

Technical Page

This proposal has been submitted before.

The previous proposal number is A2804.

Proposal Type: Regular
General Category: Astronomy
Sub-Category: Spectroscopy
Observation Category: Galactic
Total Time Requested: 1.5 Hours
Minimum Useful Time: 0.5 hours

Proposal Title: To monitor the initiation of a jet in IRAS18455+0448

ABSTRACT:

The mainline OH masers of IRAS18455+0448 have changed drastically since December 2010, with the eruption of strong new features well beyond its velocity range while it was still a normal OHIR star. This star recently (in last 50 years) evolved into a proto planetary nebula (PPN), en route to its planetary nebula phase: it is possibly generating a jet now that is interacting with its circumstellar shell, which is the next development to expect from a PPN. This proposal seeks to continue to monitor the development of this jet by monitoring its OH spectral lines.

Name	Institution	E-mail	Phone	Student
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Remote Observing Request

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

Instrument Setup

L-wide

Atmospheric Observation Instruments:

Special Equipment or setup: interim correlator at 1612 - 1668 MHz range

RFI Considerations

Frequency Ranges Planned