

Technical Page

Proposal Type: Regular
 General Category: Astronomy
 Observation Category: Galactic
 Total Time Requested: 24 Hours

Proposal Title: The OH Light-Curve of IRAS 22402+1045

ABSTRACT:

Existing observations of IRAS 22402+1045 provide a fragmentary OH light-curve. This suggests (i) its period decreases by 4.5% per decade; (ii) the intensity of its 1612 and 1667 MHz peaks at minimum light exhibit opposing secular trends in their intensities over three periods; (iii) the shape of the light curve from the weakest features differs markedly from that of the stronger. We are seeking here to obtain a complete light- curve over one pulsation cycle, both to confirm and/or clarify these findings, and to establish the light travel-time dimensions of the OH emission zone.

Name	Institution	E-mail	Phone	Student
Brian M Lewis	Arecibo Obs	blewis@naic.edu	787 878 2612 ext 285	no

I do NOT want to do remote observing.

Instrument Setup

L-wide

Atmospheric Optical Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned

1600-1670