

**Technical Page**

Proposal Type: Long-term  
 General Category: Astronomy  
 Sub-Category: Spectroscopy  
 Observation Category:  
 Total Time Requested: 23 Hours

**Proposal Title:** To follow the fading of 1612 MHz masers in 18455+0448

**ABSTRACT:**

The peak 1612 MHz intensity of 18455+0448 had faded by a factor of 20 by July 1998 from its discovery intensity of 2.09 Jy in 1988, whereas the normal amplitude of reversible, pulsation-related intensity changes is a factor of 2 to 10. Moreover subsequent observations show that the maser has since faded by a further factor of 10. We propose here (i) to follow the exponential decline in the 1612 MHz masers through a further factor of about five by observing it about once per quarter, (ii) to search for evidence of line narrowing in the maser at the first possible epoch.

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I NA want to do remote observing.

**Instrument Setup**

L-wide

**Atmospheric Optical Instruments:**

**Special Equipment or setup:** none

**RFI Considerations****Frequency Ranges Planned**