

## Technical Page

Proposal Type: Regular  
 General Category: Astronomy  
 Sub-Category: Spectroscopy  
 Observation Category: Galactic  
 Total Time Requested: 109 Hours

**Proposal Title:** Spectral scan of Galactic star-forming regions TMC-1 and W 51 at low frequencies.

**ABSTRACT:**

We propose to conduct spectral scans of two star-forming regions, TMC-1 and W 51 within the frequency range 4 - 6 GHz. We expect to find new molecules and new molecular lines of already known molecules, which will help us to better understand chemical and physical processes in molecular clouds.

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I do NOT want to do remote observing.

**Instrument Setup**

C

**Atmospheric Optical Instruments:**

**Special Equipment or setup:** none

**RFI Considerations**

**Frequency Ranges Planned**

4000 - 6000