

Technical Page

Proposal Type: Regular
 General Category: Astronomy
 Sub-Category: Spectroscopy
 Observation Category: Galactic
 Total Time Requested: 120 Hours

Proposal Title: OH and H2CO Absorption towards Extra-Galactic Continuum Sources

ABSTRACT:

Three sets of OH and H2CO absorption measurements will be taken against 7 radio continuum background sources in the Taurus/Perseus molecular cloud complex. Spacing the observations three months apart will allow investigation of sub-arcsecond size structure in the clouds. The data will be combined with previously obtained CO, 13CO, and C18O emission maps from FCRAO and BIMA, to investigate cloud structure at a variety of small scales.

| Name | Institution | E-mail | Phone | Student |
|------------------|--------------------|--------------------------------|----------------|---------|
| Rachel P. Kleban | Cornell University | kleban@astrosun.tn.cornell.edu | (607) 255-4759 | G |

Service Observing Request

- None
- All of the observing run.
- Part of the observing run.
- Queue Observing

Remote Observing Request

- No
- Maybe
- Yes

Instrument Setup

C-band

Atmospheric Observation Instruments:

Description of Observer Equipment:

Special Equipment or setup: Special setup: Software needs: Media needs:

RFI Considerations

Frequency Ranges Planned

see proposal