Technical Page

Proposal Identification No.: A1916
Date Received: 2004-Jan-27 19:49:06

Proposal Title: CH 3 GHz Observations of MBM 03

ABSTRACT:
We propose to observe the CH 3335 MHz line in the translucent cloud MBM 03 in order to calibrate the CO - H2 conversion factor following the technique outlined by Magnani and Onello (1995). An accurate determination of the CO - H2 conversion factor will permit us to reliably determine column density and masses for the nearly 1 square degree region we have mapped in the CO(1-0) transition in this cloud. With accurate mass determinations, we can apply statistical techniques to the CO data set to determine the turbulence properties of the cloud.

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
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</thead>
<tbody>
<tr>
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Service Observing Request

- [X] None
- [ ] All of the observing run.
- [ ] Part of the observing run.
- [ ] Queue Observing

Remote Observing Request

- [ ] No
- [X] Maybe
- [ ] Yes

Instrument Setup

Atmospheric Observation Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned

3250 - 3400 MHz