

### Technical Page

Proposal Type: Regular  
 General Category: Astronomy  
 Sub-Category: Spectroscopy  
 Observation Category: Extragalactic  
 Total Time Requested: 30 Hours

**Proposal Title:** Primordial Gas Clouds in Nearby Galaxy Groups

**ABSTRACT:**

We propose to survey six galaxy groups in order to identify the extragalactic counterparts of the recently proposed population of high-velocity HI clouds that are distributed through the Local Group. A range of environments and radii from the group centers will be sampled. A total of 12 clouds should be detected if the Local Group cloud population is typical of all galaxy groups.

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**Service Observing Request**

**Remote Observing Request**

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

- No
- Maybe
- Yes

**Instrument Setup**

L-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