

## Technical Page

Proposal Type: Regular  
 General Category: Astronomy  
 Sub-Category: Spectroscopy  
 Observation Category: Extragalactic  
 Total Time Requested: 27 Hours

**Proposal Title:** The Outer Edge of a High Velocity Cloud

**ABSTRACT:**

A pilot study for the mapping of the neutral hydrogen edges of High Velocity Clouds at the resolution of the Arecibo 3' beam will be undertaken. The goal is to test in detail recent theory which predicts abrupt truncation of the neutral fraction of the hydrogen gas and to determine whether the edge is smooth or broken up into cloudlets.

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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: Exabyte tape to transport data back to Lafayette

**RFI Considerations**

**Frequency Ranges Planned**

see proposal