

Technical Page

Proposal Type: Regular
 General Category: Astronomy
 Sub-Category: Spectroscopy
 Observation Category: Extragalactic
 Total Time Requested: 90 Hours

Proposal Title: Mapping of Low Column Density Sources from the Murphy-Lockman Survey
ABSTRACT:

Apparently isolated, low column density sources from the survey by Murphy and Lockman will be mapped to test the hypothesis that the sources, which cover 37% of the sky if they fill the beam of the Green Bank 140 Foot telescope, are mini-HVCs similar to the ones we have found superimposed on the High Velocity Clouds WvW 491 and WvW 479. The sample has been chosen as well to determine if the mini-HVCs are spread widely around the sky or concentrated primarily in the general direction of the Magellanic Stream.

Name	Institution	E-mail	Phone	Student
G. Lyle Hoffman	Lafayette College	hoffmang@lafayette.edu	610-330-5211	no

Service Observing Request

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

Remote Observing Request

- No
- Maybe
- Yes

Instrument Setup

L-narrow

Atmospheric Observation Instruments:

Special Equipment or setup: Exabyte or DLT tape drive to transport data back to Lafayette

RFI Considerations

Frequency Ranges Planned

1417-1425