

Technical Page

Proposal Type: Regular
 General Category: Astronomy
 Sub-Category: Spectroscopy
 Observation Category: Extragalactic
 Total Time Requested: 84 Hours

Proposal Title: Deep HI imaging of compact HVCs: Local Group sub-dwarfs?

ABSTRACT:

We propose sensitive HI imaging of ten representative compact high-velocity clouds from the compilation by Braun and Burton (1999, AJ 341, 437). These objects are plausibly low-mass sub-dwarfs about 1 Mpc distant, with HI masses of a few $\times 10^7$ solar masses, and thus galactic building blocks in a pristine state. The N(HI) regime between 10^{18} and 10^{20} cm^{-2} is largely unexplored, but is near the threshold expected for star formation.

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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-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