Proposal Type: Large
General Category: Astronomy
Sub-Category: Spectroscopy
Observation Category: Extragalactic
Total Time Requested: 325 Hours

Proposal Title: 2MASS Galaxies in the Zone of Avoidance

ABSTRACT:
The 2-Micron All Sky Survey (2MASS) has now nearly completed observations of the whole sky. Because the extinction at K-band (λ=2.2microns) is only 1/10th that at optical wavelengths, 2MASS is able to identify galaxies deep into the “Zone of Avoidance” (ZoA) around the Milky Way. In this project, we will examine bright galaxies within 10 deg of the Galactic plane. The primary goal of this project is to develop a more detailed picture of the large scale structure within the ZoA. These observations are complementary to other HI and optical redshifts being collected to form a complete sample of 2MASS galaxies to K=12.0.

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<tr>
<th>Name</th>
<th>Institution</th>
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<th>Student</th>
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<tbody>
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</tbody>
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I NA want to do remote observing.

Instrument Setup

L-wide L-narrow

Atmospheric Optical Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned

This proposal requires coordination with Punta Salinas radar within the band 1222-1381 MHz..