

Technical Page

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 ($\lambda=2.2$ microns) 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.

Name	Institution	E-mail	Phone	Student
Stephen E Schneider	University of Massachusetts	schneider@astro.umass.edu	413-545-2076	no

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..