

Technical Page

Proposal Type: Regular
 General Category: Pulsars
 Observation Category: Galactic
 Total Time Requested: 27 Hours

Proposal Title: Parallax Measurement of PSR J0030+0451

ABSTRACT:

We propose to measure a parallax for PSR J0030+0451 by adding it to the list of Coordinated Timing Pulsars that are observed once a month (P1001, P1019, P1037, P1050). Parallax measurements are invaluable tools for studying the plasma properties of the local ISM, and PSR J0030+0451 lies in a region of the galaxy in which we have no independent distance measurement to a pulsar.

| Name | Institution | E-mail | Phone | Student |
|-----------------|--------------------------------------|---------------------------|--------------|---------|
| Andrea N Lommen | University of California at Berkeley | andrea@astro.berkeley.edu | 510 642 6111 | G |

I NA want to do remote observing.

Instrument Setup

430 G L-wide 430 CH receiver L-narrow

Atmospheric Optical Instruments:

Special Equipment or setup: none

RFI Considerations**Frequency Ranges Planned**

420 - 440
1150 - 1730