

## Technical Page

Proposal Type: Regular  
 General Category: Pulsars  
 Sub-Category: Continuum  
 Observation Category: Galactic  
 Total Time Requested: 45.25 Hours

**Proposal Title:** Timing of New Pulsars Discovered in the Parkes Multibeam Survey

*ABSTRACT:*

We request a total of 45.25 hours of observing time, spaced over one year, for the purpose of obtaining timing solutions for pulsars discovered in the Parkes Multibeam Pulsar Survey. The observations will be conducted at 1400 MHz, primarily remotely, with the WAPP. The exact LSTs of the observing sessions can vary, as long they fall between LST 17:45 and 20:30. We propose an efficient plan to time 15 new pulsars over the course of the year, and 15 more for the 6 months of 2002 when the Lovell Telescope at Jodrell Bank is unavailable. We will also observe two recycled pulsars as part of this proposal: the mildly-recycled PSR J1904+0412, the object of previous Arecibo investigations by our team, and the new isolated millisecond pulsar PSR J1905+0400.

Name	Institution	E-mail	Phone	Student
Ingrid H. Stairs	NRAO	istairs@nrao.edu	304-456-2213	no

I want to do remote observing.

**Instrument Setup**

L-wide

**Atmospheric Optical Instruments:**

**Special Equipment or setup:** We will use the WAPP backend and may purchase tapes from the observatory for backups.

**RFI Considerations**

**Frequency Ranges Planned**

1350-1450

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

This proposal requires coordination with GPS L3 at 1381 MHz.