

## Technical Page

Proposal Type: Regular  
 General Category: Pulsars  
 Sub-Category: Spectroscopy  
 Observation Category:  
 Total Time Requested: 10 Hours  
 Minimum Useful Time: 5

**Proposal Title:** Recombination line measurements toward PSR B1853+01: make-up observations  
**ABSTRACT:**

This proposal asks for 10 hours of make-up telescope time to complete our observations (project p1979) that were obliterated by local RFI in May 2005. Some early data from this project show a very tentative detection of pulsar-stimulated emission at 328 MHz which we want to verify. The p1979 experiment is our attempt to extend pulsar spectroscopy to radio recombination lines and especially investigate insights that pulsars can give us into the mechanism of stimulated emission.

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### Remote Observing Request

- Observer will travel to AO
- Remote Observing
- In Absentia (instructions to operator)

### Instrument Setup

327

**Atmospheric Observation Instruments:**

**Special Equipment or setup:** none

**RFI Considerations**

**Frequency Ranges Planned**

321 to 333 MHz