

Technical Page

Proposal Type: Long Term
 General Category: Pulsars
 Observation Category:
 Total Time Requested: 72 Hours

Proposal Title: Timing Observations of the Planet Pulsar, PSR B1257+12

ABSTRACT:

A continuation of long-term timing measurements of the planet pulsar, PSR B1257+12, at 430 MHz with the PSPM are proposed. The most important expected results are: (i) verification of a possible fourth planet, (ii) measurements of planetary perturbations with improved precision (e.g. detection of conjunction “spikes”), (iii) possible detection of further planets and of astreroidal “timing noise”.

Name	Institution	E-mail	Phone	Student
Alex Wolszczan	Penn State Univer- sity	alex@astro.psu.edu	(814) 865 2918	N

Service Observing Request

- None
- All of the observing run.
- Part of the observing run.
- Queue Observing

Remot e Observing Request

- No
- Maybe
- Yes

Instrument Setup

L-band 430 MHz CH receiver

Atmospheric Observation Instruments:

Description of Observer Equipment:

Special Equipment or setup: Special setup: Software needs: Media needs:

RFI Considerations

Frequency Ranges Planned

see proposal