

Technical Page

Proposal Type: Regular
 General Category: Pulsars
 Observation Category:
 Total Time Requested: 49 Hours

Proposal Title: Timing the Relativistic Binary Pulsar PSR B1913+16

ABSTRACT:

We propose to resume the extraordinarily important series of Arecibo timing measurements of PSR B1913+16, using the Gregorian system at 1.4 GHz and the Princeton Mark III and Mark IV data acquisition systems as back ends. A 6-year extension of the existing 17-year data set, together with substantially improved accuracies for individual TOAs, assures a number of important results.

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Service Observing Request

Remote Observing Request

- | | | | |
|-------------------------------------|----------------------------|-------------------------------------|-------|
| <input checked="" type="checkbox"/> | None | <input checked="" type="checkbox"/> | No |
| <input type="checkbox"/> | All of the observing run. | <input type="checkbox"/> | Maybe |
| <input type="checkbox"/> | Part of the observing run. | <input type="checkbox"/> | Yes |
| <input type="checkbox"/> | Queue Observing | | |

Instrument Setup

430 MHz Gregorian L-band 430 MHz CH receiver

Atmospheric Observation Instruments:

Description of Observer Equipment: Princeton Mark IV

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

RFI Considerations

Frequency Ranges Planned

see proposal