Proposal Identificatio	n No.: <u>P2993</u>	Date Re	ceived:	2015-Ma	<u>r-02_15:19:05</u>
Technical Page					
This proposal has no	t been submitted before				
Proposal Type: General Category: Observation Categ Total Time Request Minimum Useful Ti	ed: 14.5 Hours				
Proposal Title: Tital detection of Sha ABSTRACT:	<u> </u>	58: A new neutron star mass	measur	ement vi	a the poten-
J0709+0458, discovered pulsar as a promising of delay in the system. The	d in the Arecibo Observator andidate for achieving a name the companion mass of PSF	ng time for a timing campaign of ory 327 MHz Drift Pulsar Survey ew, precise neutron mass measure J0709+0458 inferred from the r Shapiro delay signal will be easily	(AO327) ement via nass func	. We have a detection ction implie	identified this the Shapiro es a high
Name	Institution	E-mail	Phone		Student
Jose G Martinez	Max Planck Institute for Radio Astronomy	joey.martinez10@gmail.com		59-6484	G
		e Observing Request			

Instrument Setup

L-wide

Atmospheric Observation Instruments:

Special Equipment or setup: none

RFI Considerations

Remote Observing

ator)

In Absentia (instructions to oper-

Frequency Ranges Planned

1150 - 1730 MHz.

This proposal requires Iridium RFI protection at 1612 MHz between 10pm and 6am EST.

This proposal requires coordination with Punta Salinas radar within the band $1222-1381~\mathrm{MHz...}$

This proposal requires coordination with GPS L3 at 1381 MHz.