

Technical Page

Proposal Type: Regular
 General Category: Pulsars
 Observation Category:
 Total Time Requested: 20 Hours

Proposal Title: Time Transfer with Millisecond Pulsars

ABSTRACT:

Observation of the strongest millisecond period pulsars with the largest radio telescopes can in principle provide sub-microsecond absolute time epoch definition. We propose a pair of simultaneous multi-site observations to demonstrate that our data acquisition and analysis techniques are capable of realizing time transfer at the sub-microsecond level. An adjunct study will be to compare absolute flux, polarization and diffraction pattern between sites.

Name	Institution	E-mail	Phone	Student
Donald C. Backer	University of California, Berkeley	dbacker@astro.berkeley.edu	510-642-5128	N

Service Observing Request

Remote Observing Request

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

- No
- Maybe
- Yes

Instrument Setup

L-band

Atmospheric Observation Instruments:

Description of Observer Equipment: BACSPIN

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

RFI Considerations

Frequency Ranges Planned

see proposal