

v277b

[Observers wiki](#)

ToO experiment.

Correlation notes

ATCA reference station is W104 (CA02).

Correlated with 64 spectral channels per 16 MHz subband, 2s integration, 4 polarizations.

Target source: 1550-5418 (magnetar)

Calibrators: 1531-5108, 1515-5559 (phase-reference calibrator)

Output files:

First observing block: 1400-1710 UT (DOY 57)

- v277b_1.rpf - ungated pass (all sources included)
- v277b_1.gate.rpf - gated pass on target

Second observing block: 2130-0029 UT

- v277b_2.rpf - ungated pass (all sources included)
- v277b_2.gate.rpf - gated pass on target

Analysis notes and links to plots

Verified by: Aquib

Date: July 24th, 2009

First observing block:

Ungated pass:

[Brief Data Summary](#)

[Scan listing](#)

[Plots of autocorrelations](#)

Comments: Similar sort of dip in ATCA baselines as in some previous experiments?

[Plots of uncalibrated amplitude and phase against frequency](#)

Comments: A very clear bumpy structure in ATCA baselines, there also seems to be a band inversion?

[Plots of uncalibrated amplitude and phase against time](#)

Comments: Ok

[Fringe-fit delay solutions](#)

Comments: Ok

[Fringe-fit phase solutions](#)

Comments: Ok

[Fringe-fit rate solutions](#)

Comments: Ok

[Plots of Amplitude and phase against frequency with fringe-fitted solutions applied](#)

Comments: Same features in ATCA baselines as the uncalibrated data

[Plots of Amplitude and phase against time with fringe-fitted solutions applied](#)

Comments: Looks Ok

Second observing block:

Ungated pass:

[Brief Data Summary](#)

[Scan listing](#)

[Plots of autocorrelations](#)

Comments: Same as above

[Plots of uncalibrated amplitude and phase against frequency](#)

Comments: Same is above

[Plots of uncalibrated amplitude and phase against time](#)

Comments: Ok

[Fringe-fit delay solutions](#)

Comments: Ok

[Fringe-fit phase solutions](#)

Comments: Ok

Fringe-fit rate solutions

Comments: Ok

Plots of Amplitude and phase against frequency with fringe-fitted solutions applied

Comments: Same as above

Plots of Amplitude and phase against time with fringe-fitted solutions applied

Comments: Looks Ok

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