

vc160

[Observers Wiki](#)

Correlation notes

Output files:

File name	Description	Start date, UT range	Polarizations	# subbands (AIPS IFs)	Bandwidth per IF (MHz)	Spectral channels per IF/pol	Corr. int. time (s)
VC160.0.FITS		2011-11-14, 0/14:09:21 - 0/16:59:59	RR LL RL LR	2	16.0 MHz	64	2.0

Analysis notes

This was a test of the Ceduna phase problem to see if the maser was at fault. The maser was swapped out for a rubidium to compare performance:

14:45 - 15:30 Ceduna records with the H maser

15:45 - 16:40 Ceduna records with the Rubidium

16:50 - 17:00 Ceduna records with the H maser again.

It turns out that there was no phase problem during the experiment when using the maser so this was not a useful time to do the test. It is also noted that the phase with the rubidium was very poor (coherence time much less than a minute), so it is doubtful that anything would have been learned even if the phase problem had been occurring during the experiment. Fingers crossed that recent maintenance has fixed the problem...

[Brief Data Summary](#)

[Scan listing](#)

[Plots of autocorrelations](#)

Comments:

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

Comments:

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

Comments:

[Amplitude corrections from ACCOR](#)

Comments:

[Fringe-fit delay solutions](#)

Comments:

[Fringe-fit phase solutions](#)

Comments:

[Fringe-fit rate solutions](#)

Comments:

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

Comments:

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

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Last update: **2014/11/11 18:08**