

MG005A Correlation Report

General information

- A part of [C191C](#)
- PI: Gomez
- Targets: OJ287, 1055+018, 3C84
- Session info: <http://www3.mpifr-bonn.mpg.de/div/vlbi/globalmm/>
- Station feedback: http://www3.mpifr-bonn.mpg.de/div/vlbi/globalmm/sessions/apr19/feedback_apr19.asc
- Text file with detailed antenna statistics, scroll down to get to the cumulative statistics for the whole experiment:
[c191c.antrep](#)

Current Status

correlation finished, data **released** on 19/09/2019.

the **second release** was made on 18/01/2020 to fix the double autocorrelation issue.

Fringes

Fourfit fringe plots with fringes to multiple antennas:

Scan No0016, source 3C84, fringes to Br, Fd, Kp, La, Ov, Pt: [No0016_all.pdf](#)

Scan No0036, source OJ287, fringes to Ef, On, Ys, Mh, Gl, Gb, Kp, La, Nl, Ov, Pt: [No0036_all.pdf](#)

Station	Code	Fringes	Plots	Comments
Ef	B	yes	<p>Fringe overview of all baselines (all of C191C) including this antenna in LL (left for each baseline) and RR (right for each baseline).</p> <p>Legend: white - scheduled, but no data, blue - no fringe, dark red/brown/green - fringes of different quality.</p> <p>c191c_FRINGE_RfAnt_Ef_LLRR_AllSrc.pdf</p> <p>Examples of fourfit fringe plots:</p> <p>No0036_all.pdf</p> <p>Same for all antennas below unless otherwise noted.</p>	weather mixed, everything from clear sky to light rain
On	X	yes	<p>c191c_FRINGE_RfAnt_On_LLRR_AllSrc.pdf</p> <p>No0036_all.pdf</p>	
Ys	Y	yes	<p>c191c_FRINGE_RfAnt_Ys_LLRR_AllSrc.pdf</p> <p>No0036_all.pdf</p>	

Station	Code	Fringes	Plots	Comments
Mh	Z	yes	c191c FRINGE RfAnt Mh LLRR AllSrc.pdf No0036_all.pdf	
Pv	P	no	c191c FRINGE RfAnt Pv LLRR AllSrc.pdf	did not observe due to bad weather
GLT: Gl	g	yes	c191c FRINGE RfAnt Gl LLRR AllSrc.pdf No0036_all.pdf	confirmed correct polarization configuration for this session
GBT: Gb	G	yes	c191c FRINGE RfAnt Gb LLRR AllSrc.pdf No0036_all.pdf	broken Cal-Wheel, no Tsys, cloudy and rainy weather
VLBA: Br	b	yes	c191c FRINGE RfAnt Br LLRR AllSrc.pdf No0016_all.pdf	cloudy conditions, precipitation
VLBA: Fd	f	yes	c191c FRINGE RfAnt Fd LLRR AllSrc.pdf No0016_all.pdf	High winds. Dropped out for technical reasons, both briefly and for significant lengths of time.
VLBA: Kp	k	yes	c191c FRINGE RfAnt Kp LLRR AllSrc.pdf No0016_all.pdf , No0036_all.pdf	cloudy confitions
VLBA: La	l	yes	c191c FRINGE RfAnt La LLRR AllSrc.pdf No0016_all.pdf , No0036_all.pdf	
VLBA: Mk	m	no	c191c FRINGE RfAnt Mk LLRR AllSrc.pdf	Out for 3mm receiver repair. No scans recorded.
VLBA: Nl	n	yes	c191c FRINGE RfAnt Nl LLRR AllSrc.pdf No0036_all.pdf	cloudy conditions, receiver slightly warm
VLBA: Ov	o	yes	c191c FRINGE RfAnt Ov LLRR AllSrc.pdf No0016_all.pdf , No0036_all.pdf	high winds, cloudy conditions
VLBA: Pt	p	yes	c191c FRINGE RfAnt Pt LLRR AllSrc.pdf	High winds, cloudy conditions.

Station	Code	Fringes	Plots	Comments
			No0016_all.pdf , No0036_all.pdf	Taken out for several scans because of USNO observing. Also briefly parked to check cryos.

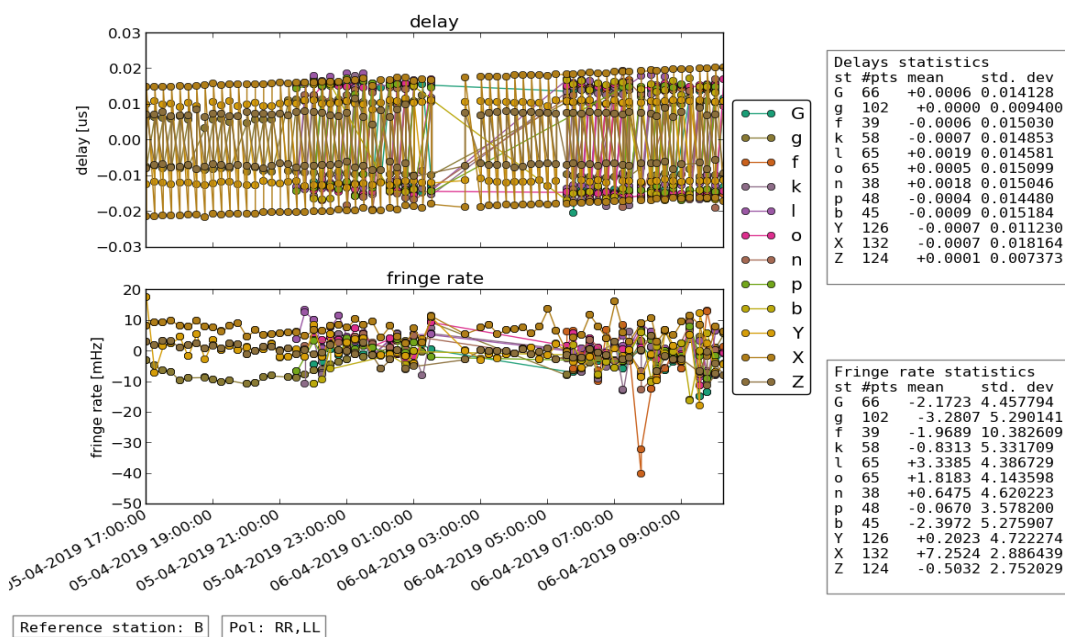
Notes

ALMA was supposed to take part in this experiment, but did not participate because of extremely harsh weather.

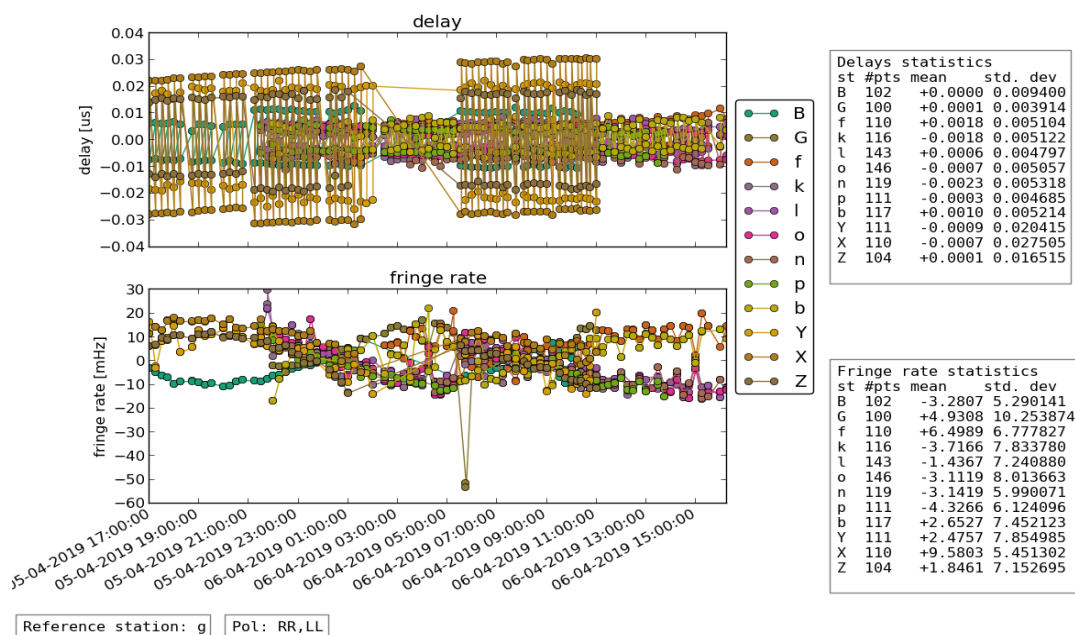
Post-Correlation checks

Residuals

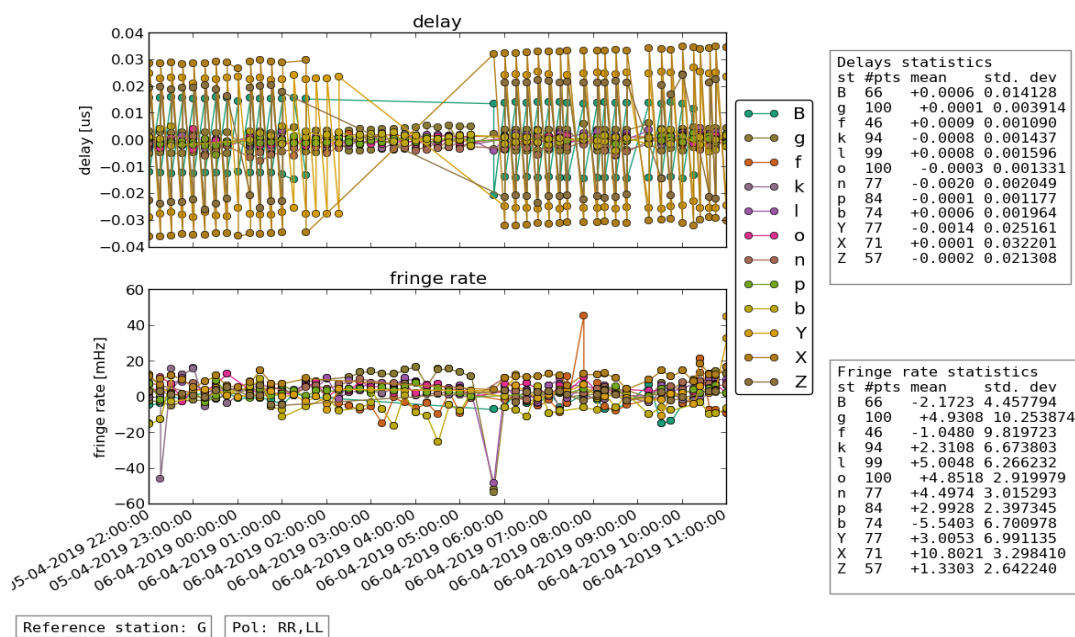
Ef:



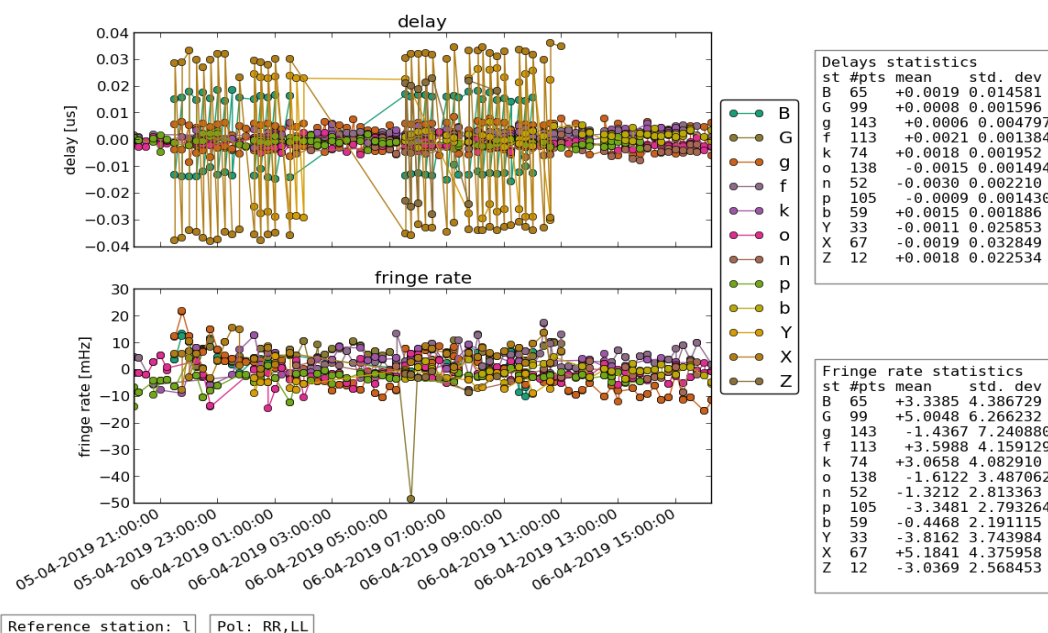
GLT:



GBT:



La:



Reference station: l Pol: RR,LL

FITS completeness (plist)

legend:

- o -- station scheduled and fully accounted for in the fits file
- 42 (or another number) -- station scheduled, but data found only for 42% of the scheduled interval
- x -- station scheduled, but corresponding entry not found in the fits file
- . -- station not scheduled

mg005a.fits:

				EF	ON	YS	PV	MH	GL	NL	FD	OV	PT	BR	KP	MK	LA	GB
c191c_001	No0001	OJ287	3mm_RDBE	o	o	o	x	o	o	.	.	.	.	.	.	.	.	.
c191c_002	No0002	OJ287	3mm_RDBE	o	o	o	x	o	o	.	.	.	.	.	.	.	.	.
c191c_003	No0003	OJ287	3mm_RDBE	o	o	o	x	o	o	.	.	.	.	.	.	.	.	.
c191c_004	No0004	OJ287	3mm_RDBE	o	o	o	x	o	o	.	.	.	.	.	.	.	.	.
c191c_005	No0005	OJ287	3mm_RDBE	o	o	o	x	o	o	.	.	.	.	.	.	.	.	.
c191c_006	No0006	OJ287	3mm_RDBE	o	o	o	x	o	o	.	.	.	.	.	.	.	.	.
c191c_007	No0007	1055+018	3mm_RDBE	o	o	o	x	o	.	.	.	.	.	.	.	.	.	.
c191c_008	No0008	OJ287	3mm_RDBE	o	o	o	x	o	o	.	.	.	.	.	.	.	.	.
c191c_009	No0009	OJ287	3mm_RDBE	o	o	o	x	o	o	.	.	.	.	.	.	.	.	.
c191c_010	No0010	OJ287	3mm_RDBE	o	o	o	x	o	o	.	.	.	.	.	.	.	.	.
c191c_011	No0011	OJ287	3mm_RDBE	o	o	o	x	o	o	.	.	.	.	.	.	.	.	.
c191c_012	No0012	1055+018	3mm_RDBE	o	o	o	x	o	.	.	.	.	.	.	.	.	.	.
c191c_013	No0013	OJ287	3mm_RDBE	o	o	o	x	o	o	.	.	.	.	.	.	.	.	.
c191c_014	No0014	3C84	3mm_RDBE	.	.	.	.	.	.	.	o	o	o	o	o	x	o	.
c191c_015	No0015	OJ287	3mm_RDBE	o	o	o	x	o	o	.	.	.	.	.	.	.	.	.
c191c_016	No0016	3C84	3mm_RDBE	.	.	.	.	.	.	.	o	o	o	o	o	x	o	.
c191c_017	No0017	OJ287	3mm_RDBE	o	o	o	x	o	o	.	.	.	.	.	.	.	.	.

