

MG005B Correlation Report

General information

- A part of [C191C](#)
- PI: Gomez
- Targets: 3C345, 1633+38, 1749+096
- 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 No0097, source 3C345, fringes to all stations: [No0097_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>No0097_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>No0097_all.pdf</p>	
Ys	Y	yes	<p>c191c FRINGE RfAnt Ys LLRR AllSrc.pdf</p> <p>No0097_all.pdf</p>	

Station	Code	Fringes	Plots	Comments
Mh	Z	yes	c191c FRINGE RfAnt Mh LLRR AllSrc.pdf No0097_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 No0097_all.pdf	confirmed correct polarization configuration for this session
GBT: Gb	G	yes	c191c FRINGE RfAnt Gb LLRR AllSrc.pdf No0097_all.pdf	broken Cal-Wheel, no Tsys, cloudy and rainy weather
VLBA: Br	b	yes	c191c FRINGE RfAnt Br LLRR AllSrc.pdf No0097_all.pdf	cloudy conditions, precipitation
VLBA: Fd	f	yes	c191c FRINGE RfAnt Fd LLRR AllSrc.pdf No0097_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 No0097_all.pdf	cloudy confitions
VLBA: La	l	yes	c191c FRINGE RfAnt La LLRR AllSrc.pdf No0097_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 No0097_all.pdf	cloudy conditions, receiver slightly warm
VLBA: Ov	o	yes	c191c FRINGE RfAnt Ov LLRR AllSrc.pdf No0097_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
			No0097_all.pdf	Taken out for several scans because of USNO observing. Also briefly parked to check cryos.

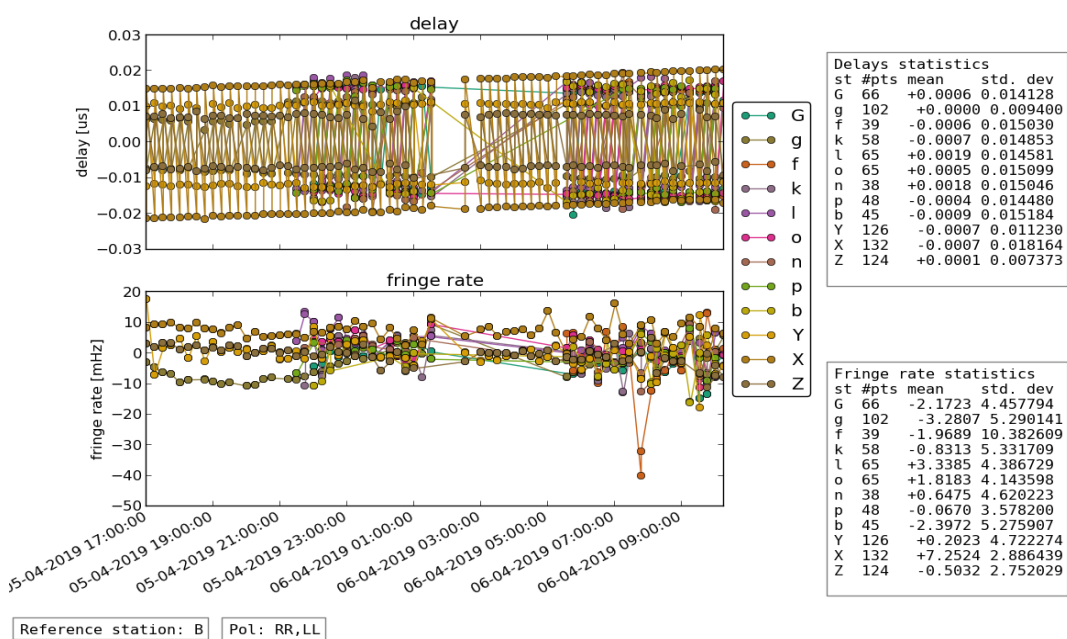
Notes

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

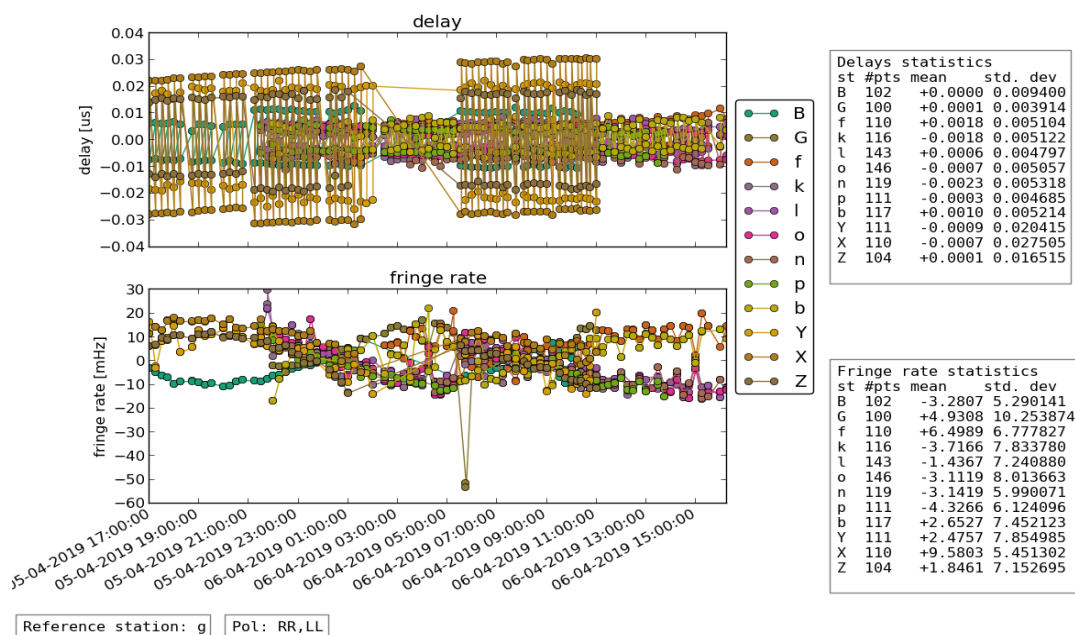
Post-Correlation checks

Residuals

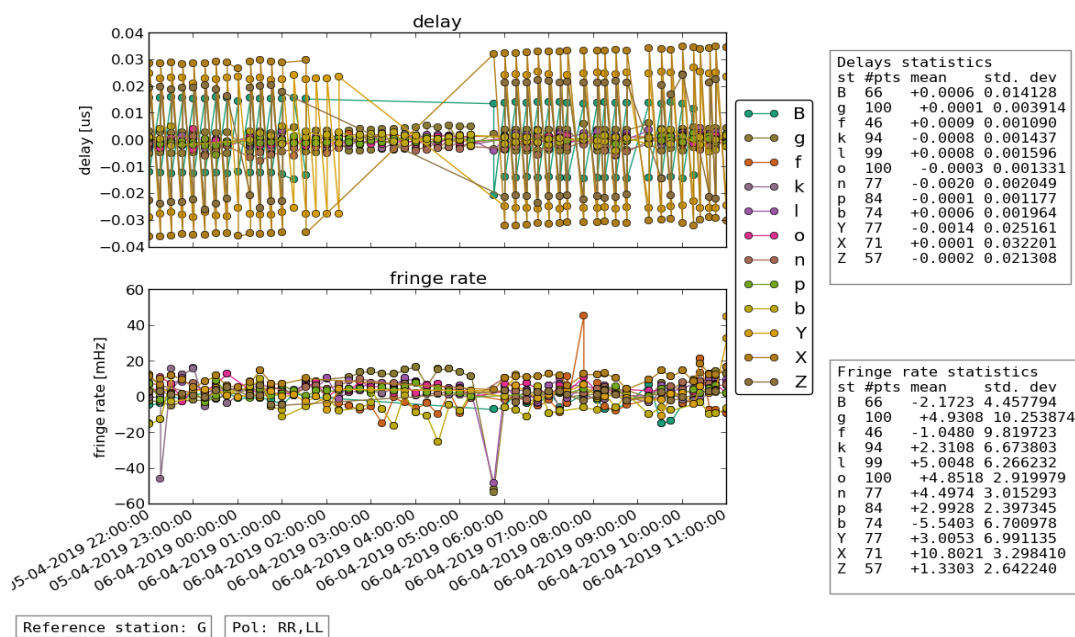
Ef:



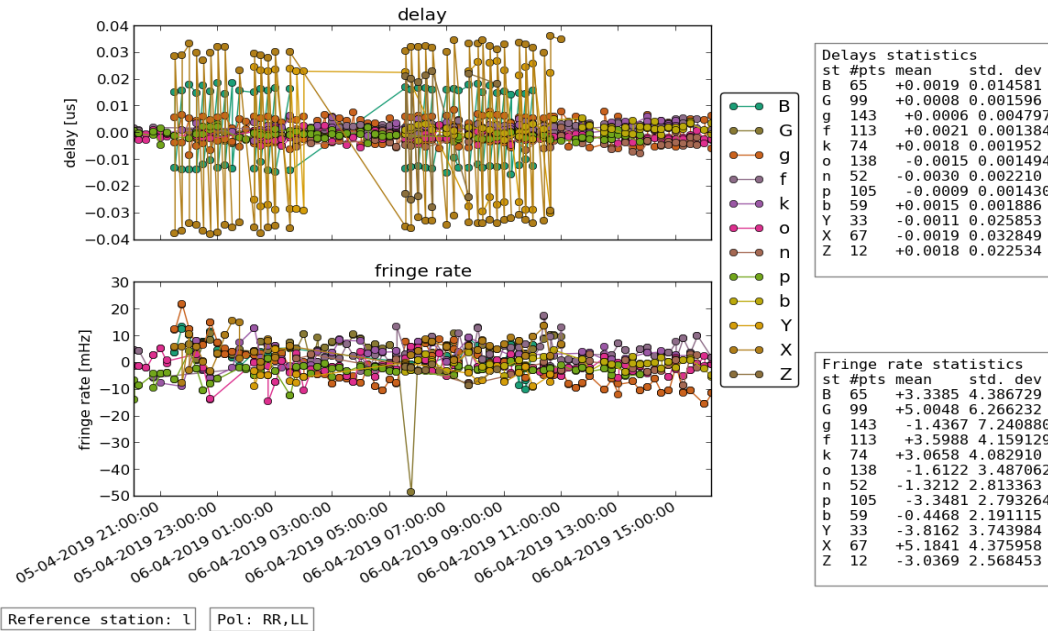
GLT:



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

mg005b.fits:

				EF	ON	YS	PV	MH	GL	NL	FD	OV	PT	BR	KP	MK	LA	GB
c191c_048	No0059	3C345	3mm_RDBE	o	o	o	x	o	.	.	.	.	.	.	.	.	.	.
c191c_050	No0061	3C345	3mm_RDBE	o	o	o	x	o	.	.	.	.	.	.	.	.	.	.
c191c_052	No0064	1633+38	3mm_RDBE	o	o	o	x	o	.	.	.	.	.	.	.	.	.	.
c191c_054	No0066	3C345	3mm_RDBE	o	o	o	x	o	.	.	.	.	.	.	.	.	.	.
c191c_056	No0069	3C345	3mm_RDBE	o	o	o	x	o	.	.	.	.	.	.	.	.	.	.
c191c_058	No0071	1749+096	3mm_RDBE	o	o	o	x	o	.	.	.	.	.	.	.	.	.	.
c191c_060	No0074	1749+096	3mm_RDBE	o	o	o	x	o	.	.	.	.	.	.	.	.	.	.
c191c_062	No0076	1749+096	3mm_RDBE	o	o	o	x	o	.	.	.	.	.	.	.	.	.	.
c191c_064	No0079	3C345	3mm_RDBE	o	o	o	x	o	.	.	.	.	.	.	.	.	.	.
c191c_066	No0081	3C345	3mm_RDBE	o	o	o	x	o	.	.	.	.	.	.	.	.	.	.
c191c_068	No0084	1633+38	3mm_RDBE	o	o	o	x	o	.	.	.	.	.	.	.	.	.	.
c191c_070	No0086	3C345	3mm_RDBE	o	o	o	x	o	.	.	.	.	.	.	.	.	.	.
c191c_071	No0088	3C345	3mm_RDBE	o	o	o	x	o	o	o	o	o	x	o	o	.	o	o
c191c_072	No0089	3C345	3mm_RDBE	o	o	o	x	o	o	o	o	o	x	o	o	.	o	o
c191c_073	No0090	3C345	3mm_RDBE	o	o	o	x	o	o	o	o	o	x	o	o	.	o	o
c191c_074	No0091	3C345	3mm_RDBE	o	o	o	x	o	o	o	o	o	x	o	o	.	o	o
c191c_075	No0093	3C345	3mm_RDBE	o	o	o	x	o	o	o	o	o	x	o	o	.	o	o

c191c_076	No0094	1633+38	3mm_RDBE	o	o	o	x	o	o	o	o	o	x	o	o	.	o	o
c191c_077	No0095	3C345	3mm_RDBE	o	o	o	x	o	o	o	o	o	x	o	o	.	o	o
c191c_078	No0097	3C345	3mm_RDBE	o	o	o	x	o	o	o	o	o	o	o	o	.	o	o
c191c_079	No0098	3C345	3mm_RDBE	o	o	o	x	o	o	o	o	o	o	06	o	.	o	o
c191c_080	No0100	1749+096	3mm_RDBE	o	o	o	x	o	o	o	o	o	o	o	o	.	o	o
c191c_081	No0102	3C345	3mm_RDBE	o	o	o	x	o	o	o	o	o	o	o	o	x	o	o
c191c_082	No0103	3C345	3mm_RDBE	o	o	o	x	o	o	o	o	o	o	o	o	x	o	o
c191c_083	No0104	3C345	3mm_RDBE	o	o	o	x	o	o	o	o	o	o	o	o	x	o	o
c191c_084	No0106	3C345	3mm_RDBE	o	o	o	x	o	o	o	o	o	o	o	o	x	o	o
c191c_085	No0107	3C345	3mm_RDBE	o	o	o	x	o	o	o	o	o	o	o	o	x	o	.
c191c_086	No0109	1749+096	3mm_RDBE	o	o	o	x	.	o	o	o	o	o	o	o	.	o	o
c191c_087	No0111	3C345	3mm_RDBE	o	o	o	x	o	o	o	o	o	o	o	o	x	o	o
c191c_088	No0112	3C345	3mm_RDBE	o	o	o	x	o	o	o	o	o	o	o	o	x	o	o
c191c_089	No0113	3C345	3mm_RDBE	o	o	o	x	o	o	o	o	o	o	o	o	x	o	o
c191c_090	No0115	1633+38	3mm_RDBE	o	o	o	x	o	o	o	o	o	o	o	o	x	o	o
c191c_091	No0116	3C345	3mm_RDBE	o	o	o	x	o	o	o	o	o	o	o	o	x	o	o
c191c_092	No0117	3C345	3mm_RDBE	o	o	o	x	o	o	o	o	o	o	o	o	x	o	o
c191c_093	No0118	3C345	3mm_RDBE	o	o	o	x	o	o	o	o	o	o	o	o	x	o	o
c191c_094	No0119	3C345	3mm_RDBE	.	o	o	.	o	o	o	o	o	o	o	o	x	o	o
c191c_095	No0120	3C345	3mm_RDBE	.	.	.	.	.	o	o	o	o	o	o	o	x	o	.
c191c_096	No0121	1633+38	3mm_RDBE	.	.	.	.	.	o	o	o	o	o	o	o	x	o	.
c191c_097	No0122	3C345	3mm_RDBE	.	.	.	.	.	o	o	o	o	o	o	o	x	o	.
c191c_098	No0123	1749+096	3mm_RDBE	.	.	.	.	.	o	o	o	o	o	o	o	x	o	.
c191c_099	No0124	1633+38	3mm_RDBE	.	.	.	.	.	o	o	o	o	o	o	o	x	o	.
c191c_100	No0125	3C345	3mm_RDBE	.	.	.	.	.	o	o	o	o	o	o	o	x	o	.
c191c_101	No0126	1749+096	3mm_RDBE	.	.	.	.	.	o	o	o	o	o	o	o	x	o	.
c191c_102	No0127	1633+38	3mm_RDBE	.	.	.	.	.	o	o	o	o	o	o	o	x	o	.
c191c_103	No0128	3C345	3mm_RDBE	.	.	.	.	.	o	o	o	o	o	o	o	x	o	.
c191c_104	No0129	1749+096	3mm_RDBE	.	.	.	.	.	o	o	o	o	o	o	o	x	o	.
c191c_105	No0130	1633+38	3mm_RDBE	.	.	.	.	.	o	o	o	o	o	70	o	x	o	.
c191c_106	No0131	3C345	3mm_RDBE	.	.	.	.	.	o	o	o	o	o	o	o	x	o	.
c191c_107	No0132	1749+096	3mm_RDBE	.	.	.	.	.	o	o	o	o	o	66	o	x	o	.
c191c_108	No0133	1633+38	3mm_RDBE	.	.	.	.	.	o	o	o	o	o	o	o	x	o	.
c191c_109	No0134	3C345	3mm_RDBE	.	.	.	.	.	o	o	o	o	x	o	o	x	o	.
c191c_110	No0135	1749+096	3mm_RDBE	.	.	.	.	.	o	o	o	o	x	o	o	x	o	.
c191c_111	No0136	1633+38	3mm_RDBE	.	.	.	.	.	o	o	o	o	x	o	o	x	o	.
c191c_112	No0137	3C345	3mm_RDBE	.	.	.	.	.	o	o	o	o	x	o	o	x	o	.
c191c_113	No0138	1749+096	3mm_RDBE	.	.	.	.	.	o	o	o	x	o	o	x	o	.	.
c191c_114	No0139	1633+38	3mm_RDBE	.	.	.	.	.	o	o	o	o	x	o	o	x	o	.
c191c_115	No0140	3C345	3mm_RDBE	.	.	.	.	.	o	o	o	o	x	o	o	x	o	.