

C201D / MC004B Correlation Report

General information

- Consists of only one science project: **MC004B**
- PI: Cui
- Target: 1803+784
- Session info: <http://www3.mpifr-bonn.mpg.de/div/vlbi/globalmm/>
- Station feedback: http://www3.mpifr-bonn.mpg.de/div/vlbi/globalmm/sessions/apr20/feedback_apr20.asc
- Text files with detailed antenna statistics, scroll down to get to the cumulative statistics for the whole experiment:
[c201d_ALL.antrep](#)
- Due to the coronavirus pandemia restrictions and various technical problems only Ef, On, Ys, Mh, VLBA and KVN participated in this session, despite more antennas originally scheduled. In addition to this, because of an unfortunate server failure KVN lost all session data before it could have been transferred.

Current status

Correlation finished, data **released to PI** on 14.08.2020.

Fringes

Station	Code	Fringes	Plots	Comments
Ef	B	yes	<p>Fringe overview of all baselines including this antenna in LL(left for each baseline) and RR (right for each baseline).</p> <p>Legend: white box - scheduled, but no data, blue - no fringe, green -- good fringe, red -- false fringe found by fourfit (detected by very large SBD).</p> <p>c201d_SBD_RfAnt_Ef_LLRR_AllSrc.pdf</p> <p>Examples of fourfit fringe plots can be found in (all fringe plots with baselines including the given antenna):</p> <p>No0057_B.pdf</p> <p>Antenna statistics:</p> <p>c201d_Ef.antrep</p> <p>Same for all antennas below unless otherwise noted.</p>	
On	X	yes	<p>c201d_SBD_RfAnt_On_LLRR_AllSrc.pdf</p> <p>No0057_X.pdf</p> <p>c201d_On.antrep</p>	

Ys	Y	yes	c201d_SBD_RfAnt_Ys_LLRR_AllSrc.pdf No0057_Y.pdf c201d_Ys.antrep	
Mh	Z	yes	c201d_SBD_RfAnt_Mh_LLRR_AllSrc.pdf No0057_Z.pdf c201d_Mh.antrep	
VLBA: Br	b	yes	c201d_SBD_RfAnt_Br_LLRR_AllSrc.pdf No0057_Br.pdf c201d_Br.antrep	
VLBA: Fd	f	yes	c201d_SBD_RfAnt_Fd_LLRR_AllSrc.pdf No0057_f.pdf c201d_Fd.antrep	
VLBA: Kp	k	yes	c201d_SBD_RfAnt_Kp_LLRR_AllSrc.pdf No0057_k.pdf c201d_Kp.antrep	
VLBA: La	l	yes	c201d_SBD_RfAnt_La_LLRR_AllSrc.pdf No0057_l.pdf c201d_La.antrep	
VLBA: Mk	m	yes	c201d_SBD_RfAnt_Mk_LLRR_AllSrc.pdf No0048_m.pdf c201d_Mk.antrep	Taken out for several scans because of USNO observing.
VLBA: Nl	n	yes	c201d_SBD_RfAnt_Nl_LLRR_AllSrc.pdf No0057_n.pdf c201d_Nl.antrep	

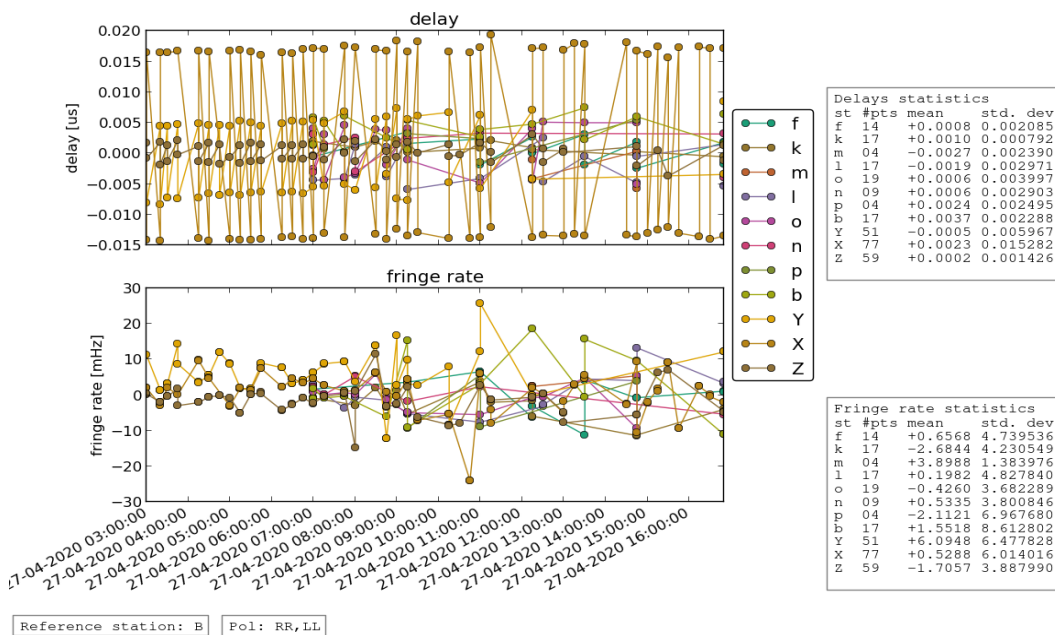
VLBA: Ov	o	yes	c201d_SBD_RfAnt_Ov_LLRR_AllSrc.pdf No0057_o.pdf c201d_Ov.antrep	.
VLBA: Pt	p	yes	c201d_SBD_RfAnt_Pt_LLRR_AllSrc.pdf No0057_p.pdf c201d_Pt.antrep	Taken out for several scans because of USNO observing.

Notes

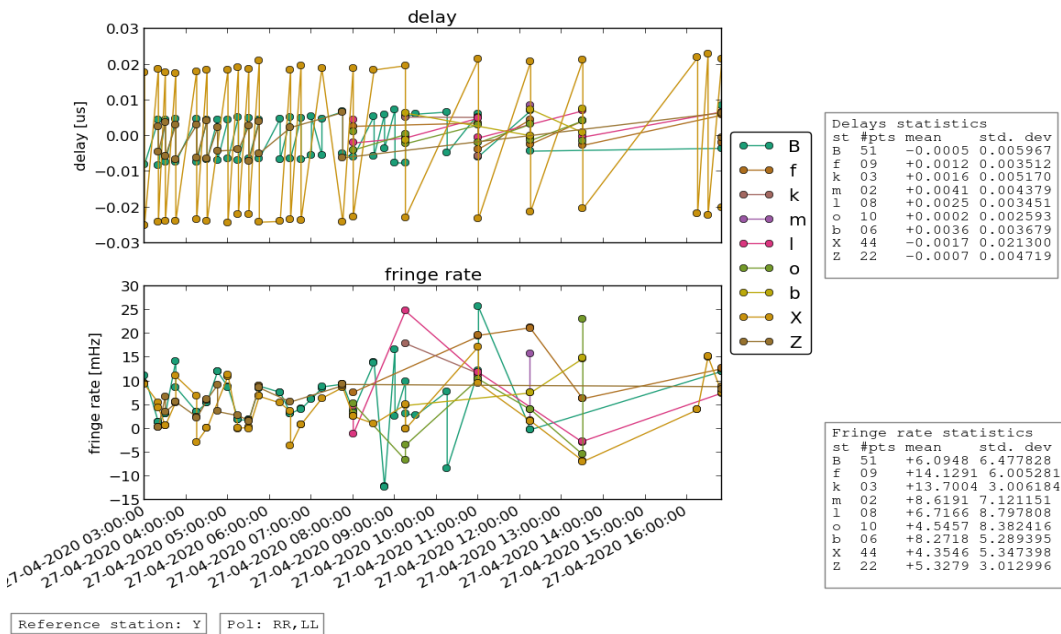
Post-Correlation checks

Residuals

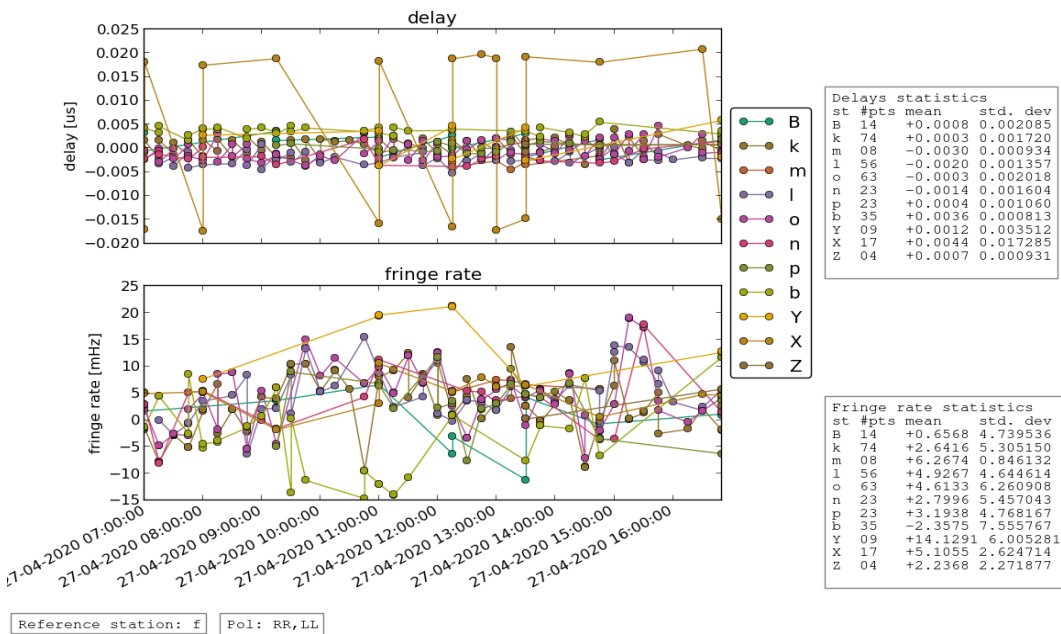
Ef as reference:



Ys as reference:



Fd as reference:



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

c201d.fits:

				EF	ON	YS	MH	NL	FD	PT	LA	KP	OV	BR	MK
c201d_01	No0001	BLLAC	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201d_02	No0002	1803+784	3mm_ddc	36	36	o	o	.	.	.	.	.	.	.	.
c201d_03	No0003	1803+784	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201d_04	No0004	1803+784	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201d_05	No0005	1807+698	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201d_06	No0006	1803+784	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201d_07	No0007	1803+784	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201d_08	No0008	1803+784	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201d_09	No0009	BLLAC	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201d_10	No0010	1803+784	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201d_11	No0011	1803+784	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201d_12	No0012	1803+784	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201d_13	No0013	1807+698	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201d_14	No0014	1803+784	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201d_15	No0015	1803+784	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201d_16	No0016	1803+784	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201d_17	No0017	3C345	3mm_ddc	o	o	o	o	o	o	x	o	o	o	o	x
c201d_18	No0018	1803+784	3mm_ddc	o	o	o	o	o	o	x	o	o	o	o	x
c201d_19	No0019	1807+698	3mm_ddc	o	o	o	o	o	o	x	o	o	o	o	x
c201d_20	No0020	1803+784	3mm_ddc	o	o	o	o	o	o	x	o	o	o	o	x
c201d_21	No0021	3C345	3mm_ddc	o	o	o	o	o	o	x	o	o	o	o	x
c201d_22	No0022	1803+784	3mm_ddc	o	o	x	o	o	o	x	o	o	o	o	x
c201d_23	No0023	1803+784	3mm_ddc	o	o	72	o	o	o	x	o	o	o	o	x
c201d_24	No0024	1803+784	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o
c201d_25	No0025	1803+784	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o
c201d_26	No0026	BLLAC	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	.
c201d_27	No0027	1803+784	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o
c201d_28	No0028	1803+784	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o
c201d_29	No0029	1807+698	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o
c201d_30	No0030	1803+784	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o
c201d_31	No0031	1803+784	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o
c201d_32	No0032	1803+784	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o
c201d_33	No0033	BLLAC	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	.
c201d_34	No0034	1803+784	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o
c201d_35	No0035	1803+784	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o
c201d_36	No0036	1803+784	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o

c201d_37	No0037	1807+698	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201d_38	No0038	BLLAC	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201d_39	No0039	1803+784	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201d_40	No0040	1803+784	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201d_41	No0041	1803+784	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201d_42	No0042	1803+784	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201d_43	No0043	BLLAC	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201d_44	No0044	1803+784	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201d_45	No0045	1807+698	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201d_46	No0046	1803+784	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201d_47	No0047	1803+784	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201d_48	No0048	BLLAC	3mm_ddc	o	o	.	o	o	o	o	o	o	o	o	o	o	o	o	o
c201d_49	No0050	1803+784	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201d_50	No0051	1803+784	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201d_51	No0052	1803+784	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201d_52	No0053	1803+784	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201d_53	No0054	1807+698	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201d_54	No0055	1803+784	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201d_55	No0056	1803+784	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201d_56	No0057	3C84	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	.