

C201C / MG006 Correlation Report

General information

- Consists of only one science project: **MG006**
- PI: Gomez
- Target: OJ287
- 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:
[c201c_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>c201c_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>No0032_B.pdf</p> <p>Antenna statistics: c201c_Ef.antrep</p> <p>Same for all antennas below unless otherwise noted.</p>	
On	X	yes	<p>c201c_SBD_RfAnt_On_LLRR_AllSrc.pdf</p> <p>No0032_X.pdf</p> <p>c201c_On.antrep</p>	

Ys	Y	yes	c201c_SBD_RfAnt_Ys_LLRR_AllSrc.pdf No0032_Y.pdf c201c_Ys.antrep	missed scan No0001
Mh	Z	yes	c201c_SBD_RfAnt_Mh_LLRR_AllSrc.pdf No0032_Z.pdf c201c_Mh.antrep	
VLBA: Br	b	yes	c201c_SBD_RfAnt_Br_LLRR_AllSrc.pdf No0032_Br.pdf c201c_Br.antrep	
VLBA: Fd	f	yes	c201c_SBD_RfAnt_Fd_LLRR_AllSrc.pdf No0032_f.pdf c201c_Fd.antrep	
VLBA: Kp	k	yes	c201c_SBD_RfAnt_Kp_LLRR_AllSrc.pdf No0032_k.pdf c201c_Kp.antrep	
VLBA: La	l	yes	c201c_SBD_RfAnt_La_LLRR_AllSrc.pdf No0032_l.pdf c201c_La.antrep	
VLBA: Mk	m	yes	c201c_SBD_RfAnt_Mk_LLRR_AllSrc.pdf No0043_m.pdf c201c_Mk.antrep	
VLBA: Nl	n	yes	c201c_SBD_RfAnt_Nl_LLRR_AllSrc.pdf No0038_n.pdf c201c_Nl.antrep	problems with LCP in scans No0029, No0032, No0034, No0058 (fourfit ignored the data while looking for fringes, possibly corruption of some kind)

VLBA: Ov	o	yes	c201c_SBD_RfAnt_Ov_LLRR_AllSrc.pdf No0034_o.pdf c201c_Ov.antrep
VLBA: Pt	p	yes	c201c_SBD_RfAnt_Pt_LLRR_AllSrc.pdf No0032_p.pdf c201c_Pt.antrep

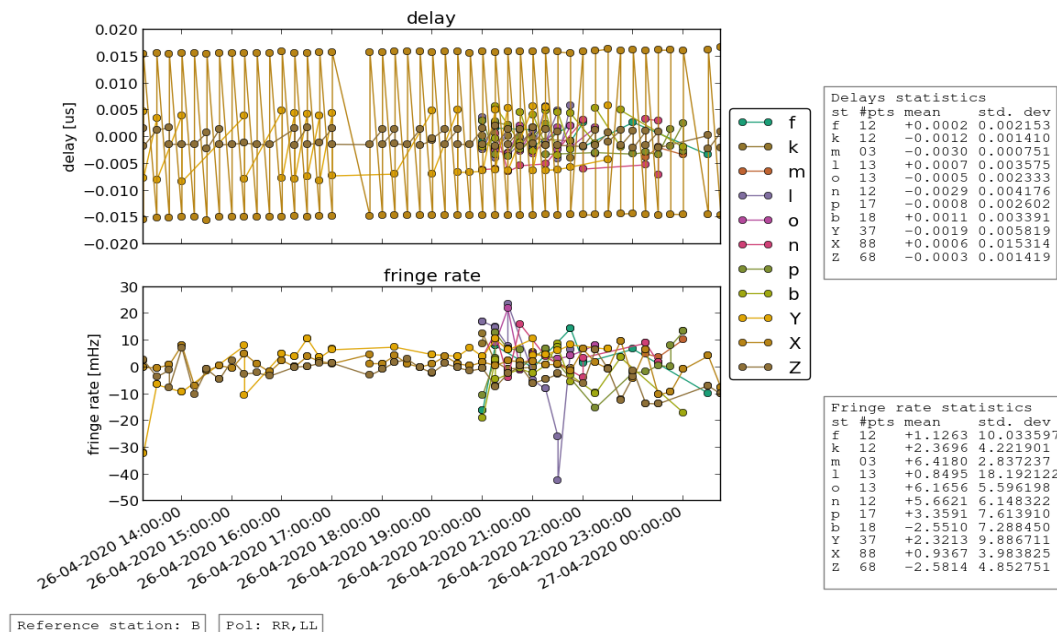
Notes

Scan No0073 (the last scan of the experiment) was scheduled for all VLBA antennas, but apparently not observed.

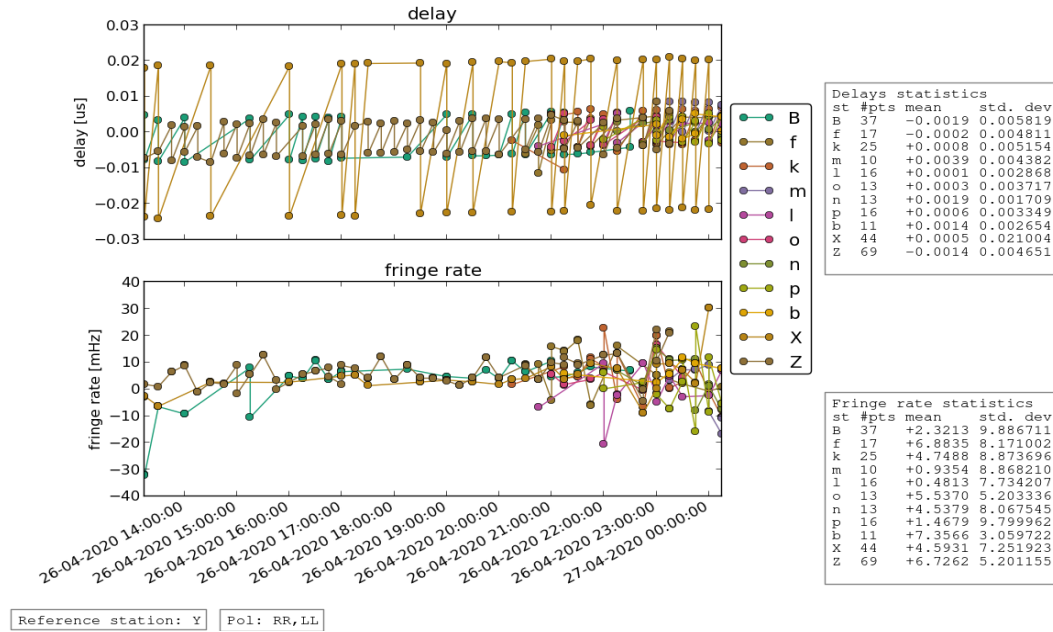
Post-Correlation checks

Residuals

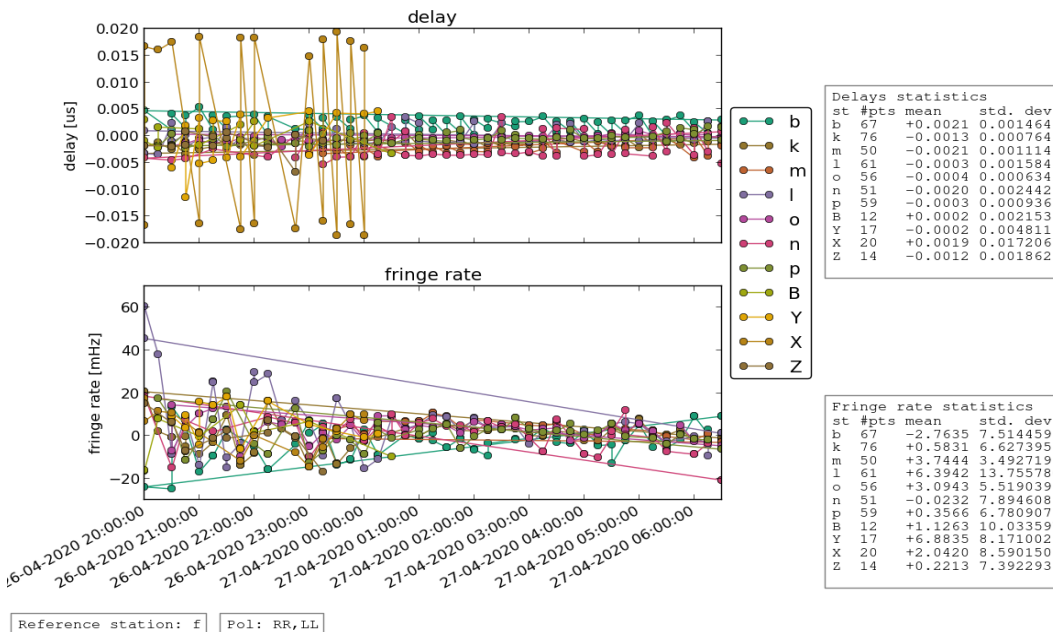
Ef as reference:



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

c201c.fits:

				EF	ON	YS	MH	NL	FD	PT	LA	KP	OV	BR	MK
c201c_01	No0001	OJ287	3mm_ddc	o	o	x	o	.	.	.	.	.	.	.	.
c201c_02	No0002	OJ287	3mm_ddc	86	86	o	o	.	.	.	.	.	.	.	.
c201c_03	No0003	OJ287	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201c_04	No0004	OJ287	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201c_05	No0005	OJ287	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201c_06	No0006	OJ287	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201c_07	No0007	0748+126	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201c_08	No0008	OJ287	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201c_09	No0009	OJ287	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201c_10	No0010	OJ287	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201c_11	No0011	OJ287	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201c_12	No0012	OJ287	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201c_13	No0013	0748+126	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201c_14	No0014	OJ287	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201c_15	No0015	OJ287	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201c_16	No0016	OJ287	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201c_17	No0017	OJ287	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201c_18	No0018	OJ287	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201c_19	No0019	0748+126	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201c_20	No0020	OJ287	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201c_21	No0021	OJ287	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201c_22	No0022	OJ287	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201c_23	No0023	OJ287	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201c_24	No0024	OJ287	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201c_25	No0025	0748+126	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201c_26	No0026	OJ287	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201c_27	No0027	OJ287	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201c_28	No0028	OJ287	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201c_29	No0029	OJ287	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	.
c201c_30	No0030	0748+126	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	.
c201c_31	No0031	OJ287	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	.
c201c_32	No0032	OJ287	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	.
c201c_33	No0033	0748+126	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	.
c201c_34	No0034	OJ287	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	.
c201c_35	No0035	OJ287	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	.
c201c_36	No0036	0748+126	3mm_ddc	o	o	o	.	o	o	o	o	o	o	o	.

c201c_37	No0037	OJ287	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	.
c201c_38	No0038	OJ287	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	.
c201c_39	No0039	4C39.25	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	.
c201c_40	No0040	OJ287	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	.
c201c_41	No0041	OJ287	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	.
c201c_42	No0042	OJ287	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o
c201c_43	No0043	OJ287	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o
c201c_44	No0044	OJ287	3mm_ddc	o	o	o	.	o	o	o	o	o	o	o	o
c201c_45	No0045	OJ287	3mm_ddc	o	o	o	.	o	o	o	o	o	o	o	o
c201c_46	No0046	OJ287	3mm_ddc	.	.	o	.	o	o	o	o	o	o	o	o
c201c_47	No0047	4C39.25	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o
c201c_48	No0048	0748+126	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o
c201c_49	No0049	4C39.25	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201c_50	No0050	OJ287	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o
c201c_51	No0051	OJ287	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o
c201c_52	No0052	OJ287	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o
c201c_53	No0053	OJ287	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o
c201c_54	No0054	OJ287	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o
c201c_55	No0055	OJ287	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o
c201c_56	No0056	4C39.25	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o
c201c_57	No0057	OJ287	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o
c201c_58	No0058	OJ287	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o
c201c_59	No0059	OJ287	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o
c201c_60	No0060	OJ287	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o
c201c_61	No0061	0748+126	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o
c201c_62	No0062	OJ287	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o
c201c_63	No0063	OJ287	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o
c201c_64	No0064	OJ287	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o
c201c_65	No0065	OJ287	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o
c201c_66	No0066	0748+126	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o
c201c_67	No0067	OJ287	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o
c201c_68	No0068	OJ287	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o
c201c_69	No0069	4C39.25	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o
c201c_70	No0070	OJ287	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o
c201c_71	No0071	OJ287	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o
c201c_72	No0072	OJ287	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o