

## C201E / MK013 Correlation Report

### General information

- Consists of only one science project: **MK013**
- PI: Kim
- Target: M87
- 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](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:  
[c201e\\_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><a href="#">c201e_SBD_RfAnt_Ef_LLRR_AllSrc.pdf</a></p> <p>Examples of fourfit fringe plots can be found in (all fringe plots with baselines including the given antenna):</p> <p><a href="#">No0046_B.pdf</a></p> <p>Antenna statistics:</p> <p><a href="#">c201e_Ef.antrep</a></p> <p><b>Same for all antennas below unless otherwise noted.</b></p>	
On	X	yes	<p><a href="#">c201e_SBD_RfAnt_On_LLRR_AllSrc.pdf</a></p> <p><a href="#">No0046_X.pdf</a></p> <p><a href="#">c201e_On.antrep</a></p>	

Ys	Y	yes	<a href="#">c201e_SBD_RfAnt_Ys_LLRR_AllSrc.pdf</a> <a href="#">No0046_Y.pdf</a> <a href="#">c201e_Ys.antrep</a>	
Mh	Z	yes	<a href="#">c201e_SBD_RfAnt_Mh_LLRR_AllSrc.pdf</a> <a href="#">No0046_Z.pdf</a> <a href="#">c201e_Mh.antrep</a>	
VLBA: Br	b	yes	<a href="#">c201e_SBD_RfAnt_Br_LLRR_AllSrc.pdf</a> <a href="#">No0089_Br.pdf</a> <a href="#">c201e_Br.antrep</a>	
VLBA: Fd	f	yes	<a href="#">c201e_SBD_RfAnt_Fd_LLRR_AllSrc.pdf</a> <a href="#">No0046_f.pdf</a> <a href="#">c201e_Fd.antrep</a>	
VLBA: Kp	k	yes	<a href="#">c201e_SBD_RfAnt_Kp_LLRR_AllSrc.pdf</a> <a href="#">No0051_k.pdf</a> <a href="#">c201e_Kp.antrep</a>	
VLBA: La	l	yes	<a href="#">c201e_SBD_RfAnt_La_LLRR_AllSrc.pdf</a> <a href="#">No0049_l.pdf</a> <a href="#">c201e_La.antrep</a>	
VLBA: Mk	m	yes	<a href="#">c201e_SBD_RfAnt_Mk_LLRR_AllSrc.pdf</a> <a href="#">No0073_m.pdf</a> <a href="#">c201e_Mk.antrep</a>	Taken out for a part of scan No0103 and scan No0104 because of USNO observing.
VLBA: Nl	n	yes	<a href="#">c201e_SBD_RfAnt_Nl_LLRR_AllSrc.pdf</a> <a href="#">No0073_n.pdf</a> <a href="#">c201e_Nl.antrep</a>	

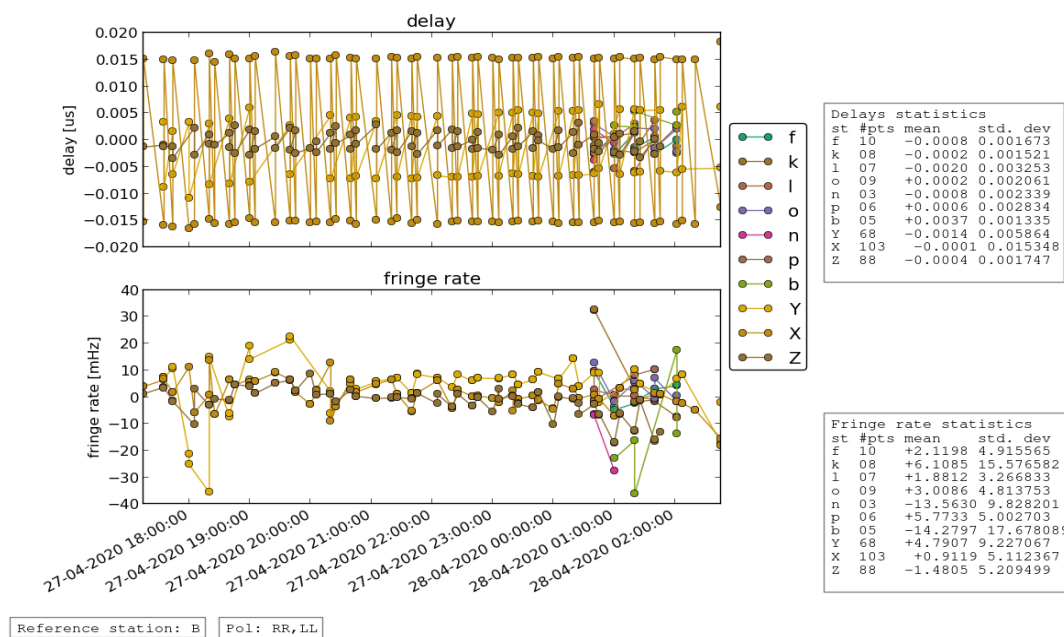
VLBA: Ov	o	yes	<a href="#">c201e_SBD_RfAnt_Ov_LLRR_AllSrc.pdf</a> <a href="#">No0056_o.pdf</a> <a href="#">c201e_Ov.antrep</a>	.
VLBA: Pt	p	yes	<a href="#">c201e_SBD_RfAnt_Pt_LLRR_AllSrc.pdf</a> <a href="#">No0046_p.pdf</a> <a href="#">c201e_Pt.antrep</a>	Taken out for a part of scan No0103 and scan No0104 because of USNO observing.

Notes

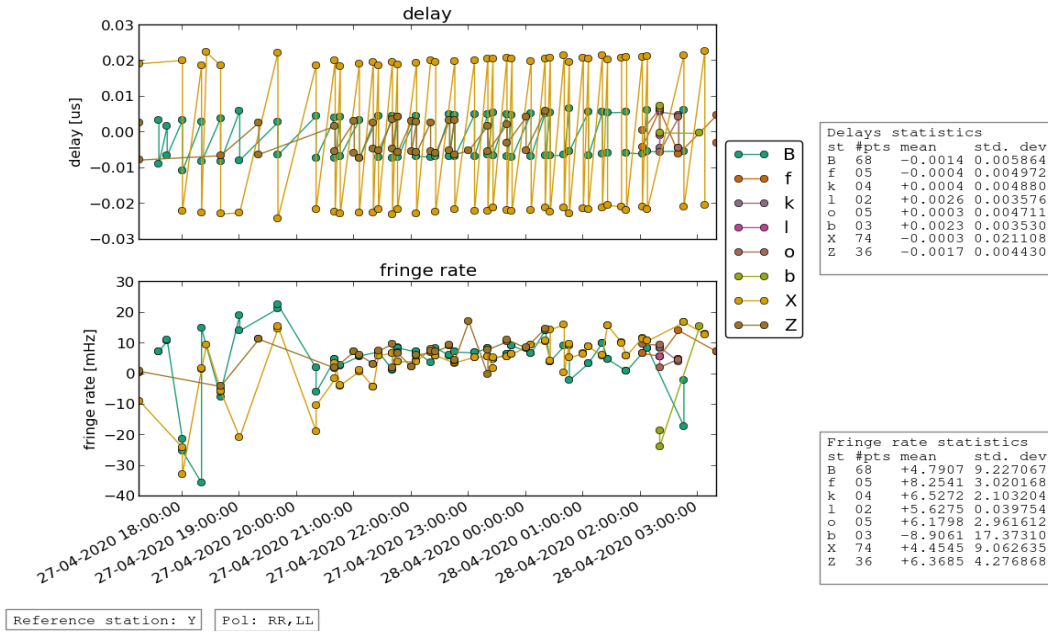
Post-Correlation checks

Residuals

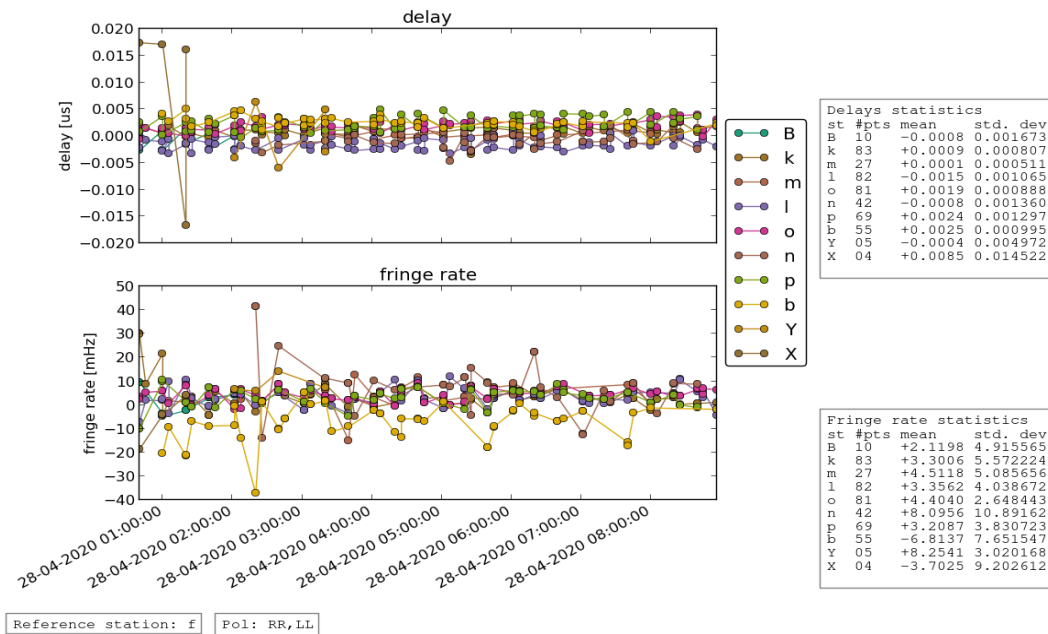
Ef as reference:



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

**c201e.fits:**

				EF	ON	YS	MH	NL	FD	PT	LA	KP	OV	BR	MK
c201e_01	No0001	OJ287	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201e_02	No0003	3C273	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201e_03	No0004	M87	3mm_ddc	23	28	o	o	.	.	.	.	.	.	.	.
c201e_04	No0005	M87	3mm_ddc	85	85	o	o	.	.	.	.	.	.	.	.
c201e_05	No0006	3C273	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201e_06	No0007	M87	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201e_07	No0008	3C273	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201e_08	No0009	M87	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201e_09	No0010	3C273	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201e_10	No0011	M87	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201e_11	No0012	3C273	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201e_12	No0013	M87	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201e_13	No0014	3C279	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201e_14	No0015	M87	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201e_15	No0016	3C273	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201e_16	No0017	M87	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201e_17	No0018	3C279	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201e_18	No0019	M87	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201e_19	No0020	3C273	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201e_20	No0021	M87	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201e_21	No0022	3C273	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201e_22	No0023	M87	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201e_23	No0024	3C279	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201e_24	No0025	M87	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201e_25	No0026	3C273	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201e_26	No0027	M87	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201e_27	No0028	3C273	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201e_28	No0029	M87	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201e_29	No0030	3C279	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201e_30	No0031	M87	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201e_31	No0032	3C273	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201e_32	No0033	M87	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201e_33	No0034	3C273	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201e_34	No0035	M87	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201e_35	No0036	3C279	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201e_36	No0037	M87	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.

c201e_37	No0038	3C273	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.	.
c201e_38	No0039	M87	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.	.
c201e_39	No0040	3C273	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.	.
c201e_40	No0041	M87	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.	.
c201e_41	No0042	3C279	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.	.
c201e_42	No0043	M87	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.	.
c201e_43	No0044	3C273	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.	.
c201e_44	No0045	M87	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.	.
c201e_45	No0046	3C273	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_46	No0047	M87	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_47	No0049	3C273	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_48	No0050	M87	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_49	No0051	3C273	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_50	No0052	M87	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_51	No0053	3C273	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_52	No0054	M87	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_53	No0056	3C273	3mm_ddc	o	o	o	.	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_54	No0057	M87	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_55	No0058	3C279	3mm_ddc	.	.	o	.	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_56	No0059	M87	3mm_ddc	.	.	o	.	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_57	No0060	M87	3mm_ddc	o	o	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
c201e_58	No0061	3C273	3mm_ddc	.	.	o	.	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_59	No0062	M87	3mm_ddc	o	o	o	.	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_60	No0064	3C273	3mm_ddc	.	.	o	.	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_61	No0065	M87	3mm_ddc	o	o	o	.	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_62	No0066	3C273	3mm_ddc	.	.	o	.	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_63	No0067	M87	3mm_ddc	.	.	o	.	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_64	No0068	3C279	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_65	No0069	M87	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_66	No0071	3C273	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_67	No0072	M87	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_68	No0073	3C279	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_69	No0074	M87	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_70	No0075	3C273	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_71	No0076	M87	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_72	No0078	3C273	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_73	No0079	M87	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_74	No0080	3C279	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_75	No0081	M87	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_76	No0082	3C273	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_77	No0083	M87	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_78	No0085	3C273	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_79	No0086	M87	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_80	No0087	3C273	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_81	No0088	M87	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_82	No0089	3C279	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_83	No0090	M87	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_84	No0092	3C273	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_85	No0093	M87	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o	o	o
c201e_86	No0094	3C273	3mm_ddc	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o	o	o

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c201e_87 No0095 M87 3mm_ddc . . . . o o o o o o o o
c201e_88 No0096 3C273 3mm_ddc . . . . o o o o o o o o
c201e_89 No0097 M87 3mm_ddc . . . . o o o o o o o o
c201e_90 No0098 3C279 3mm_ddc . . . . o o o o o o o o
c201e_91 No0099 M87 3mm_ddc . . . . o o o o o o o o
c201e_92 No0100 3C273 3mm_ddc . . . . o o o o o o o o
c201e_93 No0101 M87 3mm_ddc . . . . o o o o o o o o
c201e_94 No0102 3C273 3mm_ddc . . . . o o o o o o o o
c201e_95 No0103 M87 3mm_ddc . . . . o o 70 o o o o 80
c201e_96 No0104 3C279 3mm_ddc . . . . o o x o o o o x

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