

## C201B / MB011C Correlation Report

### General information

- Consists of only one science project: **MB011C**
- PI: Bach
- Target: Cygnus A
- 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:  
[c201b\\_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="#">c201b_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="#">No0057_B.pdf</a>, <a href="#">No0058_B.pdf</a></p> <p>Antenna statistics: <a href="#">c201b_Ef.antrep</a></p> <p><b>Same for all antennas below unless otherwise noted.</b></p>	<p>Due to a misconfiguration, <b>for scans No0001-No0055</b></p> <p>LCP channel was a copy of RCP, so although there are LL fringes, they are due to polarization leakage. Starting <b>from scan No0056</b> everything is back to normal.</p> <p>LCP should be flagged for this antenna <b>for scans No0001-No0055.</b></p>
On	X	yes	<p><a href="#">c201b_SBD_RfAnt_On_LLRR_AllSrc.pdf</a></p> <p><a href="#">No0057_X.pdf</a>, <a href="#">No0058_X.pdf</a></p> <p><a href="#">c201b_On.antrep</a></p>	

Ys	Y	yes	<a href="#">c201b_SBD_RfAnt_Ys_LLRR_AllSrc.pdf</a> <a href="#">No0057_Y.pdf, No0058_Y.pdf</a> <a href="#">c201b_Ys.antrep</a>	
Mh	Z	yes	<a href="#">c201b_SBD_RfAnt_Mh_LLRR_AllSrc.pdf</a> <a href="#">No0057_Z.pdf, No0058_Z.pdf</a> <a href="#">c201b_Mh.antrep</a>	
VLBA: Br	b	yes	<a href="#">c201b_SBD_RfAnt_Br_LLRR_AllSrc.pdf</a> <a href="#">No0057_Br.pdf, No0058_Br.pdf</a> <a href="#">c201b_Br.antrep</a>	
VLBA: Fd	f	yes	<a href="#">c201b_SBD_RfAnt_Fd_LLRR_AllSrc.pdf</a> <a href="#">No0057_f.pdf, No0058_f.pdf</a> <a href="#">c201b_Fd.antrep</a>	
VLBA: Kp	k	yes	<a href="#">c201b_SBD_RfAnt_Kp_LLRR_AllSrc.pdf</a> <a href="#">No0057_k.pdf, No0058_k.pdf</a> <a href="#">c201b_Kp.antrep</a>	
VLBA: La	l	yes	<a href="#">c201b_SBD_RfAnt_La_LLRR_AllSrc.pdf</a> <a href="#">No0057_l.pdf, No0058_l.pdf</a> <a href="#">c201b_La.antrep</a>	
VLBA: Mk	m	yes	<a href="#">c201b_SBD_RfAnt_Mk_LLRR_AllSrc.pdf</a> <a href="#">No0090_m.pdf</a> <a href="#">c201b_Mk.antrep</a>	very few fringes
VLBA: Nl	n	yes	<a href="#">c201b_SBD_RfAnt_Nl_LLRR_AllSrc.pdf</a> <a href="#">No0057_n.pdf, No0058_n.pdf</a> <a href="#">c201b_Nl.antrep</a>	scans No0126 and No0129 -- no LCP

VLBA: Ov	o	yes	<a href="#">c201b_SBD_RfAnt_Ov_LLRR_AllSrc.pdf</a> <a href="#">No0057_o.pdf, No0058_o.pdf</a> <a href="#">c201b_Ov.antrep</a>	
VLBA: Pt	p	yes	<a href="#">c201b_SBD_RfAnt_Pt_LLRR_AllSrc.pdf</a> <a href="#">No0090_p.pdf</a> <a href="#">c201b_Pt.antrep</a> <hr style="border-top: 1px dashed black;"/>	Taken out for several scans because of USNO observing.

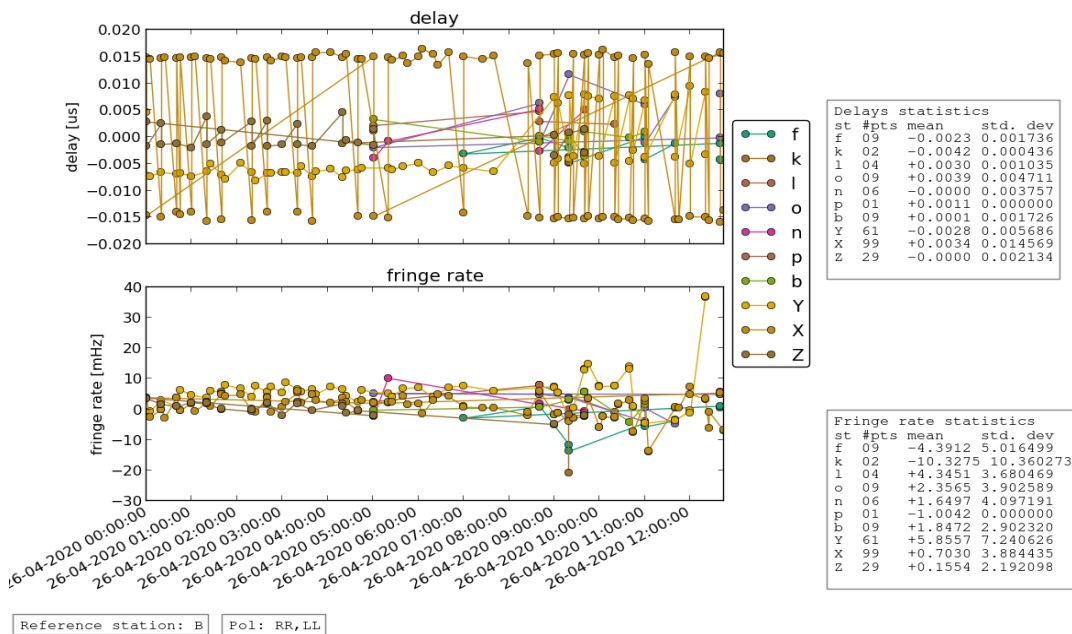
### Notes

Not so many fringes on the science source, see the fringe overviews for each antenna.

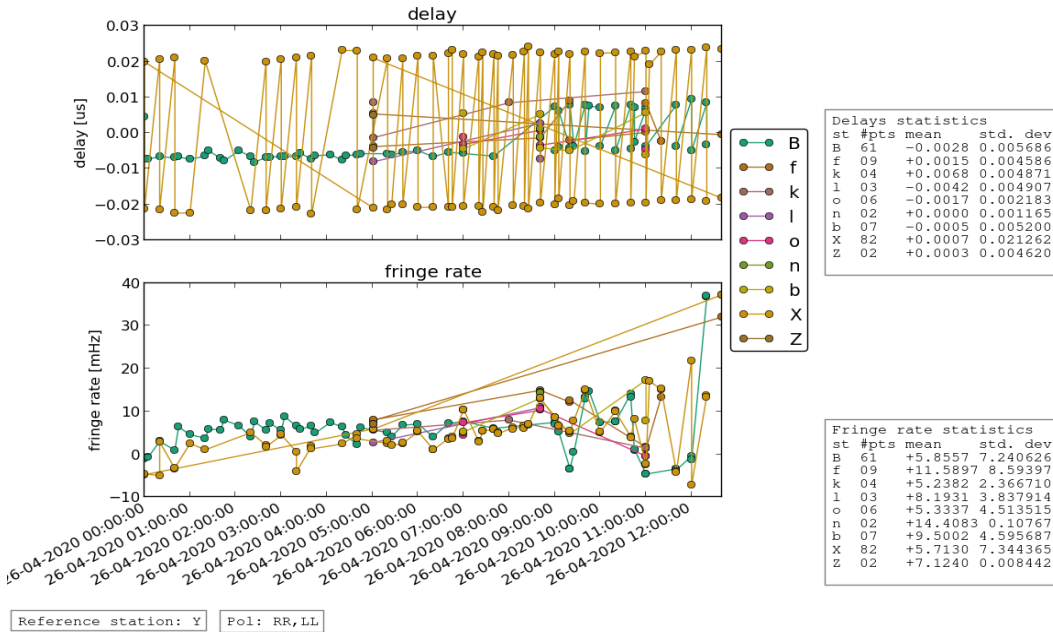
### Post-Correlation checks

### Residuals

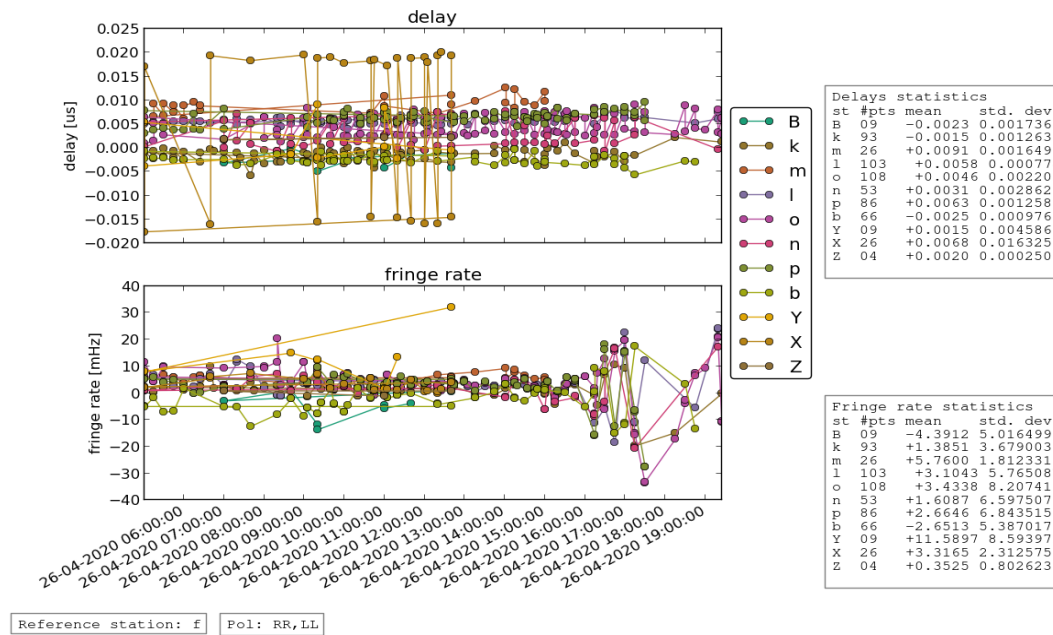
Ef as reference:



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

**c201b.fits:**

				EF	ON	YS	MH	NL	FD	PT	LA	KP	OV	BR	MK
c201b_001	No0001	J2025+33	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201b_002	No0002	CYG_A	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201b_003	No0003	J2025+33	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201b_004	No0004	CYG_A	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201b_005	No0005	J2025+33	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201b_006	No0006	CYG_A	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201b_007	No0007	2013+370	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201b_008	No0008	CYG_A	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201b_009	No0009	J2025+33	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201b_010	No0010	CYG_A	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201b_011	No0011	J2025+33	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201b_012	No0012	CYG_A	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201b_013	No0013	2013+370	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201b_014	No0014	CYG_A	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201b_015	No0015	J2025+33	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201b_016	No0016	CYG_A	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201b_017	No0017	J2025+33	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201b_018	No0018	CYG_A	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201b_019	No0019	2013+370	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201b_020	No0020	CYG_A	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201b_021	No0021	J2025+33	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201b_022	No0022	CYG_A	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201b_023	No0023	J2025+33	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201b_024	No0024	CYG_A	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201b_025	No0025	2013+370	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201b_026	No0026	CYG_A	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201b_027	No0027	J2025+33	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201b_028	No0028	CYG_A	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201b_029	No0029	J2025+33	3mm_ddc	o	o	o	o	.	.	.	.	.	.	.	.
c201b_030	No0030	CYG_A	3mm_ddc	97	97	o	o	.	.	.	.	.	.	.	.
c201b_031	No0031	3C345	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	.
c201b_032	No0032	3C273	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o
c201b_033	No0033	2013+370	3mm_ddc	o	o	o	o	o	.	.	.	.	.	.	.
c201b_034	No0034	CYG_A	3mm_ddc	95	o	o	o	o	.	.	.	.	.	.	.
c201b_035	No0035	3C273	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o
c201b_036	No0036	J2025+33	3mm_ddc	o	o	o	o	o	.	.	.	.	.	.	.

c201b_037	No0037	CYG_A	3mm_ddc	o	o	.	o	o	.	.	.	.	.	.	.	.	.	.	.	.
c201b_038	No0038	3C273	3mm_ddc	.	.	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o
c201b_039	No0039	J2025+33	3mm_ddc	o	o	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.
c201b_040	No0040	CYG_A	3mm_ddc	95	o	o	o	o	.	.	.	.	.	.	.	.	.	.	.	.
c201b_041	No0041	3C273	3mm_ddc	.	.	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o
c201b_042	No0042	3C273	3mm_ddc	.	.	.	.	.	.	o	o	o	o	o	.	o	.	.	.	.
c201b_043	No0043	J2025+33	3mm_ddc	o	o	o	o	o	.	.	.	.	.	.	o	.	.	.	.	.
c201b_044	No0044	CYG_A	3mm_ddc	95	o	o	o	o	.	.	.	.	.	.	o	.	.	.	.	.
c201b_045	No0045	3C273	3mm_ddc	.	.	.	.	.	.	o	o	o	o	o	.	o	.	.	.	.
c201b_046	No0046	2013+370	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	.
c201b_047	No0047	CYG_A	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	.
c201b_048	No0048	3C345	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201b_049	No0049	J2025+33	3mm_ddc	o	o	o	o	o	o	o	77	o	o	o	o	.	.	.	.	.
c201b_050	No0050	CYG_A	3mm_ddc	o	o	o	o	o	o	o	x	o	o	o	o	.	.	.	.	.
c201b_051	No0051	J2025+33	3mm_ddc	o	o	o	o	o	o	o	x	o	o	o	o	.	.	.	.	.
c201b_052	No0052	CYG_A	3mm_ddc	95	o	o	o	o	o	o	x	o	o	o	o	.	.	.	.	.
c201b_053	No0053	2013+370	3mm_ddc	o	o	o	o	o	o	o	x	o	o	o	o	.	.	.	.	.
c201b_054	No0054	CYG_A	3mm_ddc	95	o	o	o	o	o	o	x	o	o	o	o	.	.	.	.	.
c201b_055	No0055	J2025+33	3mm_ddc	o	o	o	o	o	o	o	x	o	o	o	o	.	.	.	.	.
c201b_056	No0056	CYG_A	3mm_ddc	95	o	o	o	o	o	o	x	o	o	o	o	.	.	.	.	.
c201b_057	No0057	3C345	3mm_ddc	o	o	o	o	o	o	o	x	o	o	o	o	.	.	.	.	.
c201b_058	No0058	J2025+33	3mm_ddc	o	o	o	o	o	o	o	x	o	o	o	o	.	.	.	.	.
c201b_059	No0059	CYG_A	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	.	.	.	.	.
c201b_060	No0060	2013+370	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	.	.	.	.	.
c201b_061	No0061	CYG_A	3mm_ddc	95	95	o	o	o	o	o	o	o	o	o	o	.	.	.	.	.
c201b_062	No0062	J2025+33	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	.	.	.	.	.
c201b_063	No0063	CYG_A	3mm_ddc	95	95	o	o	o	o	o	o	o	o	o	o	.	.	.	.	.
c201b_064	No0064	J2025+33	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	.	.	.	.	.
c201b_065	No0065	CYG_A	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	.	.	.	.	.
c201b_066	No0066	J2025+33	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201b_067	No0067	CYG_A	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201b_068	No0068	J2025+33	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201b_069	No0069	CYG_A	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201b_070	No0070	2013+370	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201b_071	No0071	CYG_A	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201b_072	No0072	J2025+33	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201b_073	No0073	CYG_A	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201b_074	No0074	J2025+33	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201b_075	No0075	CYG_A	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201b_076	No0076	J2025+33	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201b_077	No0077	CYG_A	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201b_078	No0078	J2025+33	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201b_079	No0079	CYG_A	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201b_080	No0080	2013+370	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201b_081	No0081	CYG_A	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c201b_082	No0082	J2025+33	3mm_ddc	.	.	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o
c201b_083	No0083	CYG_A	3mm_ddc	.	.	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o
c201b_084	No0084	J2025+33	3mm_ddc	.	.	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o
c201b_085	No0085	CYG_A	3mm_ddc	.	.	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o
c201b_086	No0086	2013+370	3mm_ddc	.	.	.	.	.	.	o	o	o	o	o	o	o	o	o	o	o

