

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
- 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>c201b_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, No0058_B.pdf</p> <p>Antenna statistics: c201b_Ef.antrep</p> <p>Same for all antennas below unless otherwise noted.</p>	<p>Due to a misconfiguration, for scans No0001-No0055</p> <p>LCP channel was a copy of RCP, so although there are LL fringes, they are due to polarization leakage. Starting from scan No0056 everything is back to normal.</p> <p>LCP should be flagged for this antenna for scans No0001-No0055.</p>
On	X	yes	<p>c201b_SBD_RfAnt_On_LLRR_AllSrc.pdf</p> <p>No0057_X.pdf, No0058_X.pdf</p> <p>c201b_On.antrep</p>	

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

VLBA: Ov	o	yes	c201b_SBD_RfAnt_Ov_LLRR_AllSrc.pdf No0057_o.pdf, No0058_o.pdf c201b_Ov.antrep	.
VLBA: Pt	p	yes	c201b_SBD_RfAnt_Pt_LLRR_AllSrc.pdf No0090_p.pdf c201b_Pt.antrep <hr/>	Taken out for several scans because of USNO observing.

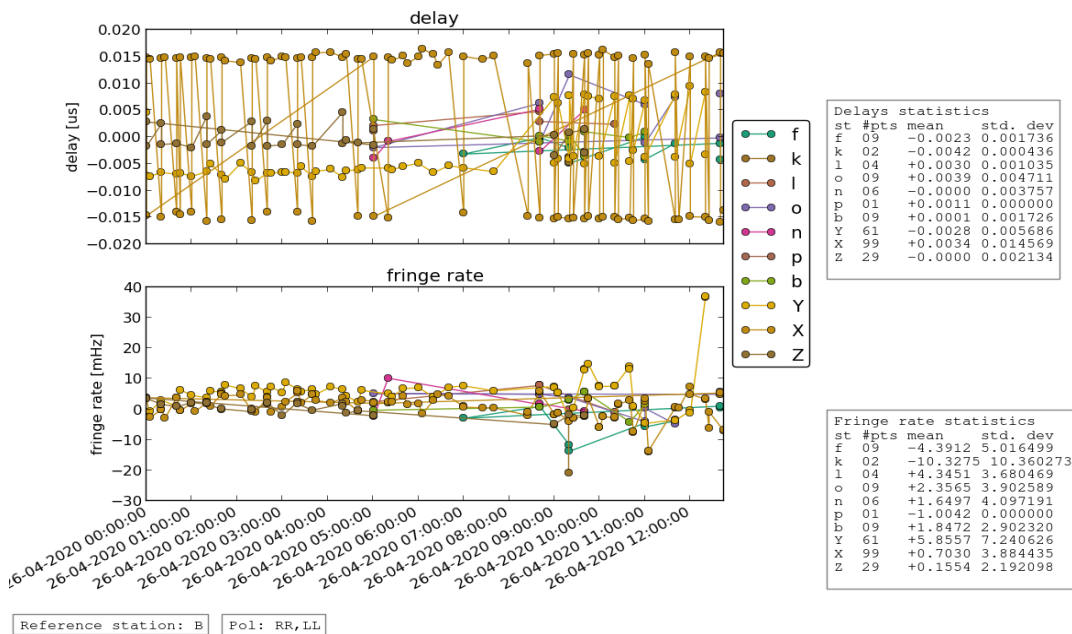
Notes

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

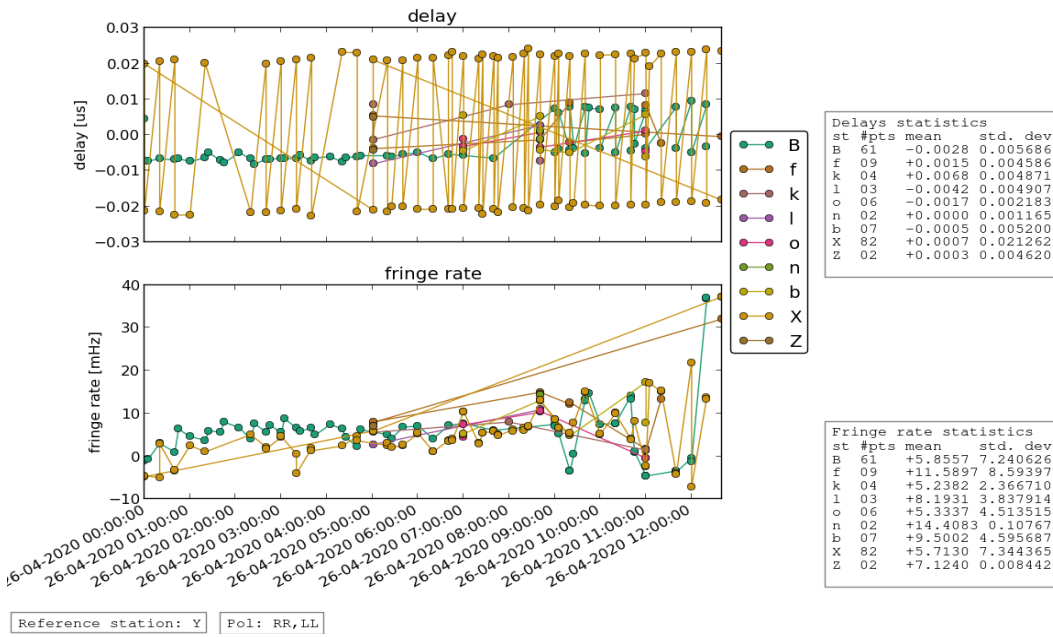
Post-Correlation checks

Residuals

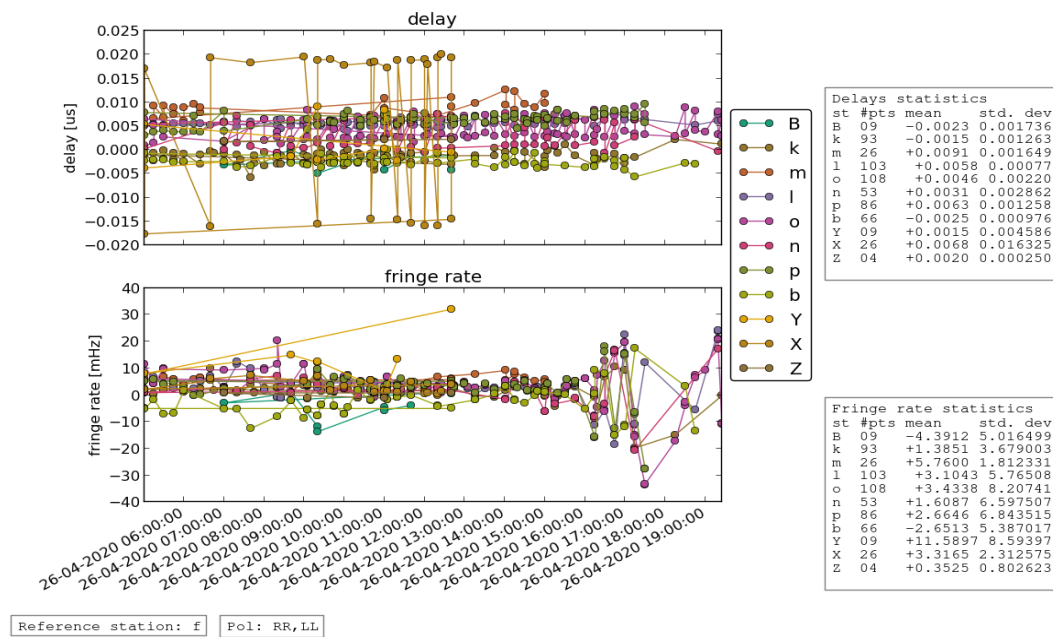
Ef as reference:



Ys as reference:



Fd as reference:



FITS completeness (pclist)

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

c201b_087	No0087	CYG_A	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_088	No0088	J2025+33	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_089	No0089	CYG_A	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_090	No0090	3C345	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_091	No0091	2013+370	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_092	No0092	CYG_A	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_093	No0093	J2025+33	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_094	No0094	CYG_A	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_095	No0095	J2025+33	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_096	No0096	CYG_A	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_097	No0097	2013+370	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_098	No0098	CYG_A	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_099	No0099	J2025+33	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_100	No0100	CYG_A	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_101	No0101	J2025+33	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_102	No0102	CYG_A	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_103	No0103	J2025+33	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_104	No0104	CYG_A	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_105	No0105	2013+370	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_106	No0106	CYG_A	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_107	No0107	J2025+33	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_108	No0108	CYG_A	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_109	No0109	J2025+33	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_110	No0110	CYG_A	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_111	No0111	J2025+33	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_112	No0112	CYG_A	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_113	No0113	2013+370	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_114	No0114	CYG_A	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_115	No0115	J2025+33	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_116	No0116	CYG_A	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_117	No0117	J2025+33	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_118	No0118	CYG_A	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_119	No0119	J2025+33	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_120	No0120	CYG_A	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_121	No0121	2013+370	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_122	No0122	CYG_A	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_123	No0123	J2025+33	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_124	No0124	CYG_A	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_125	No0125	J2025+33	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_126	No0126	CYG_A	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_127	No0127	J2025+33	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_128	No0128	CYG_A	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_129	No0129	J2025+33	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_130	No0130	CYG_A	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_131	No0131	3C454.3	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o
c201b_132	No0132	3C454.3	3mm_ddc	.	.	.	.	.	o	o	o	o	o	o	o	o	o