

# C202A Correlation Report

## General information

- Includes 4 science projects: [MK016A](#), [MK016B](#), [ML009](#), and [POLCAL1](#).
- Includes 3mm and 7mm parts
- Session info: <http://www3.mpifr-bonn.mpg.de/div/vlbi/globalmm/>
- Station feedback: [http://www3.mpifr-bonn.mpg.de/div/vlbi/globalmm/sessions/oct20/feedback\\_oct20.asc](http://www3.mpifr-bonn.mpg.de/div/vlbi/globalmm/sessions/oct20/feedback_oct20.asc)
- Text files with detailed antenna statistics, scroll down to get to the cumulative statistics for the whole experiment:

[c202a\\_ALL\\_3mm.antrep](#)

[c202a\\_ALL\\_7mm.antrep](#)

## Current Status

Correlation finished, data **released to PI** on 28.04.2021.

## 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 (or sometimes fourfit had trouble with the particular baseline/pol, so no data in alist), blue - no fringe, shades of green and brown -- fringes of varying quality.</p> <p><a href="#">c202a_FRINGE_RfAnt_Ef_LLRR_AllSrc_3mm.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="#">No0189_B_3mm.pdf</a></p> <p>Antenna statistics:</p> <p><a href="#">c202a_Ef_3mm.antrep</a></p> <p><b>Same for all antennas below unless otherwise noted.</b></p>	<p>Participated in 100% scans (3mm only), fringes in 16% baselines*  pols, mean SNR 48.</p> <p><b>bad weather</b></p>
On	X	yes	<p><a href="#">c202a_FRINGE_RfAnt_On_LLRR_AllSrc_3mm.pdf</a></p> <p><a href="#">No0131_X_3mm.pdf</a></p> <p><a href="#">c202a_On_3mm.antrep</a></p>	<p>Participated in 100% scans (3mm only), fringes in 23% baselines*  pols, mean SNR 36.</p>

Ys	Y	no	<a href="#">c202a FRINGE RfAnt Ys LLRR AllSrc 3mm.pdf</a> <a href="#">c202a Ys 3mm.antrep</a>	No fringes in c202a, due to some problem with clocks: fringes found in the fringe test with one clock setting, and in c202b shifted by more than 0.5us. None of these settings produced fringes in c202a and fringe search with a wide window also yielded no result.
Mh	Z	yes	<a href="#">c202a FRINGE RfAnt Mh LLRR AllSrc 3mm.pdf</a> <a href="#">No0087 Z 3mm.pdf</a> <a href="#">c202a Mh 3mm.antrep</a>	Participated in 100% scans (3mm only), fringes in 10% baselines*  pols, mean SNR 25.  <b>bad weather</b>
Pv	P	yes	<a href="#">c202a FRINGE RfAnt Pv LLRR AllSrc 3mm.pdf</a> <a href="#">No0100 P 3mm.pdf</a> <a href="#">c202a Pv 3mm.antrep</a>	Participated in 100% scans (3mm only), fringes in 35% baselines*  pols, mean SNR 52.
VLBA: Br	b	yes	<a href="#">c202a FRINGE RfAnt Br LLRR AllSrc 3mm.pdf</a> <a href="#">No0128 b 3mm.pdf</a> <a href="#">c202a Br 3mm.antrep</a> <a href="#">c202a FRINGE RfAnt Br LLRR AllSrc 7mm.pdf</a> <a href="#">No0090 b 7mm.pdf</a> <a href="#">c202a Br 7mm.antrep</a>	3mm: participated in 100% scans, fringes in 23% baselines*  pols, mean SNR 23.  7mm: participated in 100% scans, fringes in 54% baselines*  pols, mean SNR 99.
VLBA: Fd	f	yes	<a href="#">c202a FRINGE RfAnt Fd LLRR AllSrc 3mm.pdf</a> <a href="#">No0150 f 3mm.pdf</a> <a href="#">c202a Fd 3mm.antrep</a> <a href="#">c202a FRINGE RfAnt Fd LLRR AllSrc 7mm.pdf</a> <a href="#">No0090 f 7mm.pdf</a> <a href="#">c202a Fd 7mm.antrep</a>	3mm: participated in 100% scans, fringes in 30% baselines*  pols, mean SNR 33.  7mm: participated in 100% scans, fringes in 63% baselines*  pols, mean SNR 103.
VLBA: Kp	k	yes	<a href="#">c202a FRINGE RfAnt Kp LLRR AllSrc 3mm.pdf</a> <a href="#">No0150 k 3mm.pdf</a> <a href="#">c202a Kp 3mm.antrep</a> <a href="#">c202a FRINGE RfAnt Kp LLRR AllSrc 7mm.pdf</a> <a href="#">No0090 k 7mm.pdf</a>	3mm: participated in 100% scans, fringes in 24% baselines*  pols, mean SNR 24.  7mm: participated in 100% scans, fringes in 64% baselines*  pols, mean SNR 118.

			<a href="#">c202a_Kp_7mm.antrep</a>	
VLBA: La	l	yes	<a href="#">c202a_FRINGE_RfAnt_La_LLRR_AllSrc_3mm.pdf</a> <a href="#">No0131_l_3mm.pdf</a> <a href="#">c202a_La_3mm.antrep</a> <a href="#">c202a_FRINGE_RfAnt_La_LLRR_AllSrc_7mm.pdf</a> <a href="#">No0090_l_7mm.pdf</a> <a href="#">c202a_La_7mm.antrep</a>	<p>3mm: participated in 94% scans, fringes in 30% baselines*  pols, mean SNR 30.</p> <p>7mm: participated in 92% scans, fringes in 61% baselines*  pols, mean SNR 101.</p> <p><b>dropped out for several scans due to USNO observations</b></p>
VLBA: Mk	m	yes	<a href="#">c202a_FRINGE_RfAnt_Mk_LLRR_AllSrc_3mm.pdf</a> <a href="#">No0150_m_3mm.pdf</a> <a href="#">c202a_Mk_3mm.antrep</a> <a href="#">c202a_FRINGE_RfAnt_Mk_LLRR_AllSrc_7mm.pdf</a> <a href="#">No0090_m_7mm.pdf</a> <a href="#">c202a_Mk_7mm.antrep</a>	<p>3mm: participated in 97% scans, fringes in 21% baselines*  pols, mean SNR 19.</p> <p>7mm: participated in 97% scans, fringes in 46% baselines*  pols, mean SNR 143.</p> <p><b>dropped out for several scans due to USNO observations</b></p>
VLBA: Nl	n	yes	<a href="#">c202a_FRINGE_RfAnt_Nl_LLRR_AllSrc_3mm.pdf</a> <a href="#">No0122_n_3mm.pdf</a> <a href="#">No0219_n_3mm.pdf</a> <a href="#">c202a_Nl_3mm.antrep</a> <a href="#">c202a_FRINGE_RfAnt_Nl_LLRR_AllSrc_7mm.pdf</a> <a href="#">No0090_n_7mm.pdf</a> <a href="#">c202a_Nl_7mm.antrep</a>	<p>3mm: participated in 100% scans, fringes in 11% baselines*  pols, mean SNR 15.</p> <p>7mm: participated in 100% scans, fringes in 48% baselines*  pols, mean SNR 88.</p>
VLBA: Ov	o	yes	<a href="#">c202a_FRINGE_RfAnt_Ov_LLRR_AllSrc_3mm.pdf</a> <a href="#">No0150_o_3mm.pdf</a> <a href="#">No0228_o_3mm.pdf</a> <a href="#">c202a_Ov_3mm.antrep</a> <a href="#">c202a_FRINGE_RfAnt_Ov_LLRR_AllSrc_7mm.pdf</a> <a href="#">No0090_o_7mm.pdf</a>	<p>3mm: participated in 100% scans, fringes in 27% baselines*  pols, mean SNR 29.</p> <p>7mm: participated in 100% scans, fringes in 53% baselines*  pols, mean SNR 135.</p>

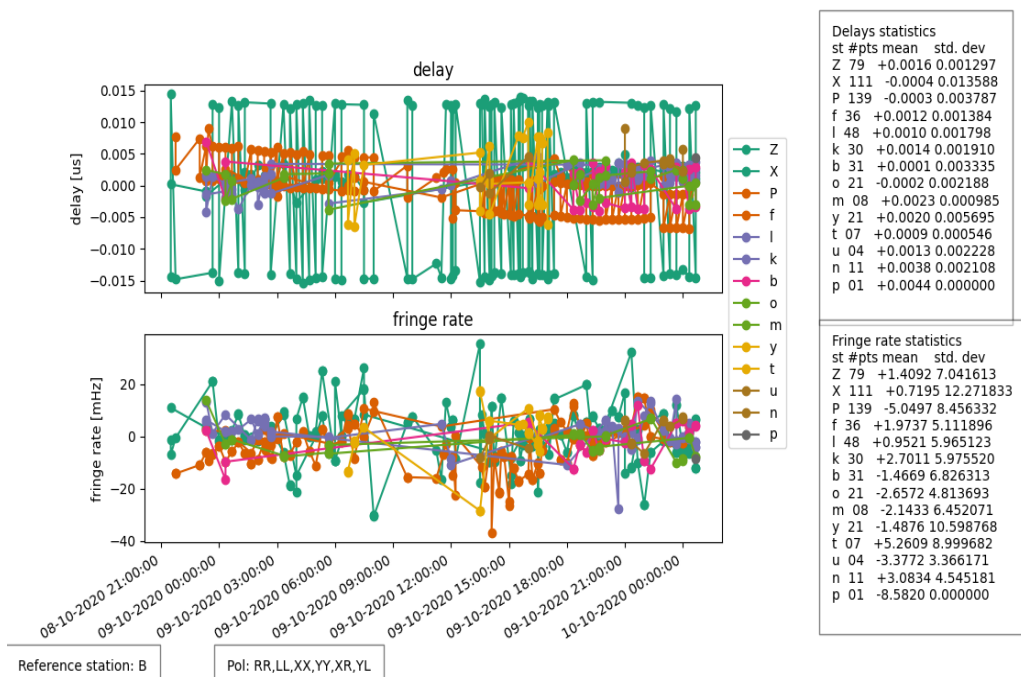
			<a href="#">c202a_Ov_7mm.antrep</a>	
VLBA: Pt	p	yes	<a href="#">c202a_FRINGE_RfAnt_Pt_LLRR_AllSrc_3mm.pdf</a> <a href="#">No0128_p_3mm.pdf</a> <a href="#">c202a_Pt_3mm.antrep</a> <a href="#">c202a_FRINGE_RfAnt_Pt_LLRR_AllSrc_7mm.pdf</a> <a href="#">No0090_p_7mm.pdf</a> <a href="#">c202a_Pt_7mm.antrep</a>	<p>3mm: participated in 95% scans, fringes in 13% baselines*  pols, mean SNR 19.</p> <p>7mm: participated in 100% scans, fringes in 12% baselines*  pols, mean SNR 56.</p> <p><b>lots of technical problems, see logs</b></p>
VLBA: Hn	h	yes	<a href="#">c202a_FRINGE_RfAnt_Hn_LLRR_AllSrc_7mm.pdf</a> <a href="#">No0233_h_7mm.pdf</a> <a href="#">c202a_Hn_7mm.antrep</a>	<p>Participated in 46% scans (7mm only), fringes in 3% baselines*  pols, mean SNR 8.</p> <p><b>mostly out due to AZ wheel damage</b></p>
VLBA: Sc	c	yes	<a href="#">c202a_FRINGE_RfAnt_Sc_LLRR_AllSrc_7mm.pdf</a> <a href="#">No0090_c_7mm.pdf</a> <a href="#">c202a_Sc_7mm.antrep</a>	<p>Participated in 100% scans (7mm only), fringes in 23% baselines*  pols, mean SNR 117.</p>
KVN: Kt	t	yes	<a href="#">c202a_FRINGE_RfAnt_Kt_LLRR_AllSrc_3mm.pdf</a> <a href="#">No0110_t_3mm.pdf</a> <a href="#">c202a_Kt_3mm.antrep</a>	<p>Participated in 99% scans (3mm only), fringes in 29% baselines*  pols, mean SNR 54.</p>
KVN: Ku	u	yes	<a href="#">c202a_FRINGE_RfAnt_Ku_LLRR_AllSrc_3mm.pdf</a> <a href="#">No0113_u_3mm.pdf</a> <a href="#">c202a_Ku_3mm.antrep</a>	<p>Participated in 86% scans (3mm only), fringes in 25% baselines*  pols, mean SNR 52.</p>
KVN: Ky	y	yes	<a href="#">c202a_FRINGE_RfAnt_Ky_LLRR_AllSrc_3mm.pdf</a> <a href="#">No0103_y_3mm.pdf</a> <a href="#">No0140_y_3mm.pdf</a> <a href="#">c202a_Ky_3mm.antrep</a> <hr/>	<p>Participated in 100% scans (3mm only), fringes in 36% baselines*  pols, mean SNR 49.</p>

## Notes

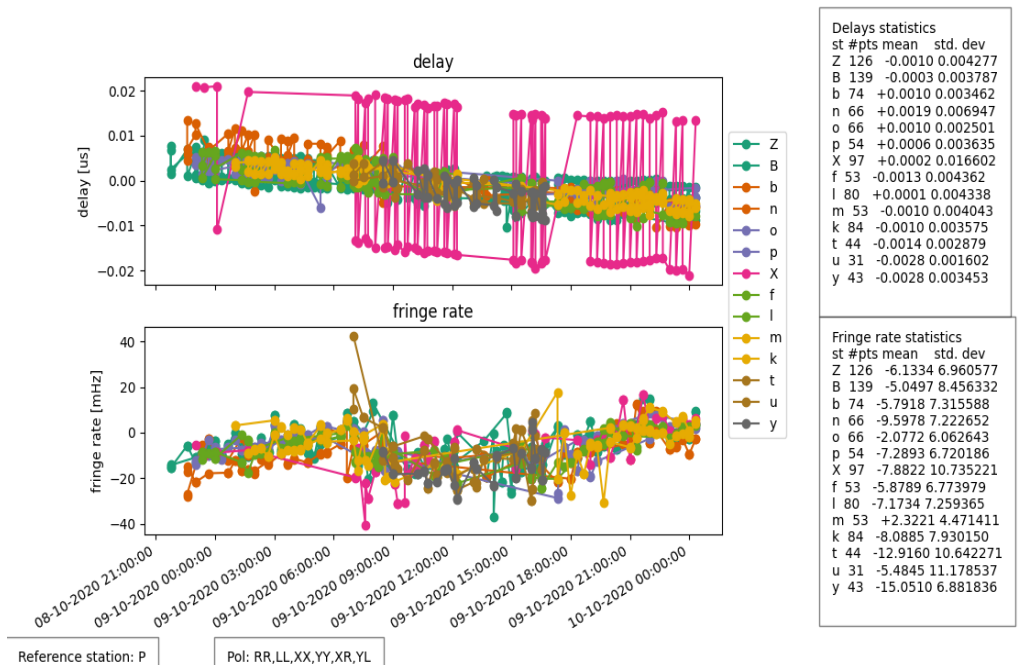
## Post-Correlation checks

### Residuals

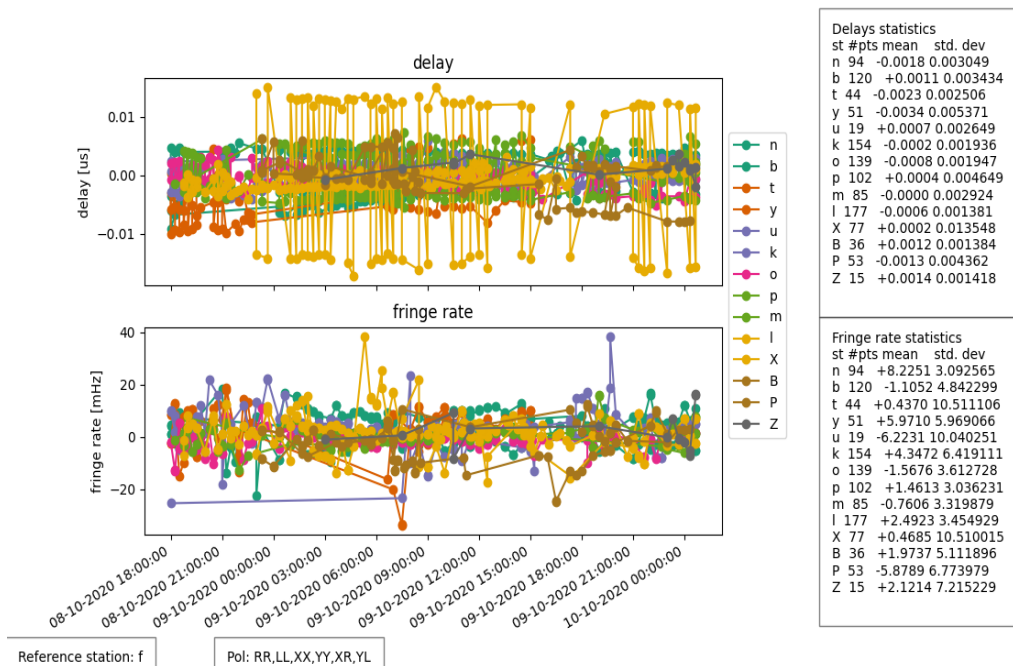
Ef as reference (3mm):



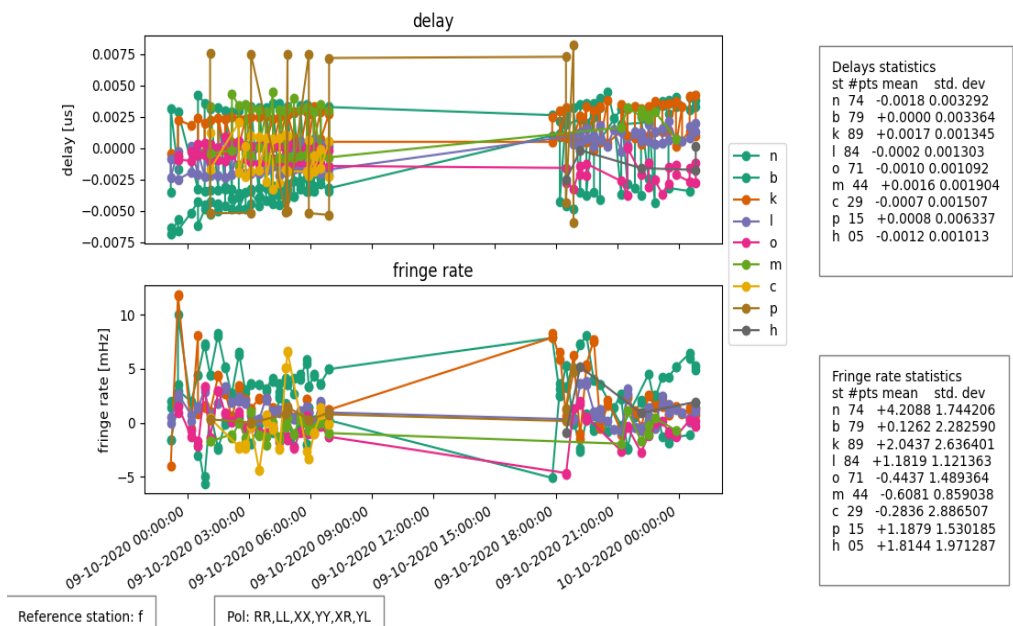
Pv as reference (3mm):



Fd as reference (3mm):



Fd as reference (7mm):



**FTS 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

c202a.fits (3mm):

				FD	NL	OV	PT	BR	KP	MK	LA	KY	KU	KT	EF	ON	YS	PV	MH
c202a_001	No0001	OJ287	3mm_ddc	o	o	o	o	o	o	x	x	o	73	o	.	.	.	.	.
c202a_002	No0002	OJ287	3mm_ddc	o	o	o	o	o	o	x	x	o	40	o	.	.	.	.	.
c202a_003	No0003	OJ287	3mm_ddc	o	o	o	o	o	o	x	x	o	16	o	.	.	.	.	.
c202a_004	No0004	OJ287	3mm_ddc	o	o	o	o	o	o	o	o	o	10	o	.	.	.	.	.
c202a_005	No0005	OJ287	3mm_ddc	o	o	o	o	o	o	o	o	o	60	o	.	.	.	.	.
c202a_006	No0006	OJ287	3mm_ddc	o	o	o	73	o	o	o	o	o	06	o	.	.	.	.	.
c202a_007	No0007	OJ287	3mm_ddc	o	o	o	x	o	o	o	o	o	13	o	.	.	.	.	.
c202a_008	No0008	OJ287	3mm_ddc	o	o	o	x	o	o	o	o	o	o	o	.	.	.	.	.
c202a_009	No0009	OJ287	3mm_ddc	o	.	o	x	o	o	o	o	o	o	o	.	.	.	.	.
c202a_010	No0010	OJ287	3mm_ddc	o	.	o	o	o	o	o	o	o	o	o	.	.	.	.	.
c202a_011	No0011	1156+295	3mm_ddc	o	o	o	x	o	o	o	o	o	o	o	.	.	.	.	.
c202a_012	No0012	1156+295	3mm_ddc	o	o	o	x	o	o	o	o	o	46	o	.	.	.	.	.
c202a_013	No0013	1156+295	3mm_ddc	o	o	o	x	o	o	o	o	o	o	o	.	.	.	.	.
c202a_014	No0014	1156+295	3mm_ddc	o	o	o	x	o	o	o	o	o	x	13	.	.	.	.	.
c202a_015	No0015	1156+295	3mm_ddc	o	o	o	o	o	o	o	o	o	.	.	.	.	.	.	.
c202a_016	No0016	BLLAC	3mm_ddc	.	.	.	.	.	.	.	.	.	.	o	o	o	o	o	o
c202a_017	No0017	1156+295	3mm_ddc	o	o	o	o	o	o	o	o	o	x	o	.	.	.	.	.
c202a_018	No0018	BLLAC	3mm_ddc	.	.	.	.	.	.	.	.	.	.	.	o	o	o	o	o
c202a_019	No0019	1156+295	3mm_ddc	o	o	o	o	o	o	o	o	o	o	90	.	.	.	.	.
c202a_020	No0020	2344+514	3mm_ddc	.	.	.	.	.	.	.	.	.	.	.	o	o	o	o	o
c202a_021	No0021	1156+295	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	.	.	.	.	.
c202a_022	No0022	2344+514	3mm_ddc	.	.	.	.	.	.	.	.	.	.	.	o	o	o	o	o
c202a_023	No0023	1156+295	3mm_ddc	o	.	o	o	.	o	o	o	o	o	o	.	.	.	.	.
c202a_024	No0024	BLLAC	3mm_ddc	.	o	.	.	o	.	.	.	.	.	.	o	o	o	o	o
c202a_025	No0025	2344+514	3mm_ddc	.	o	.	.	o	.	.	.	.	.	.	o	o	o	o	o
c202a_026	No0026	1156+295	3mm_ddc	o	.	o	o	.	o	o	o	o	o	o	.	.	.	.	.
c202a_027	No0027	BLLAC	3mm_ddc	o	o	o	o	o	o	.	o	.	.	.	o	o	o	o	o
c202a_028	No0028	2344+514	3mm_ddc	o	o	o	o	o	o	.	o	.	.	.	o	o	o	o	o
c202a_029	No0030	0102+584	3mm_ddc	o	o	o	o	o	o	.	o	.	.	.	o	.	o	o	o
c202a_030	No0031	2344+514	3mm_ddc	o	o	o	o	o	o	.	o	.	.	.	o	o	o	o	o
c202a_031	No0033	0102+584	3mm_ddc	o	o	o	o	o	o	.	o	.	.	.	o	o	o	o	o
c202a_032	No0034	2344+514	3mm_ddc	o	o	o	o	o	o	.	o	.	.	.	o	o	o	o	o
c202a_033	No0035	0102+584	3mm_ddc	o	o	o	o	o	o	.	o	.	.	.	o	o	o	o	o
c202a_034	No0036	2344+514	3mm_ddc	o	o	o	o	o	o	.	o	.	.	.	o	o	o	o	o
c202a_035	No0038	0102+584	3mm_ddc	o	o	o	o	o	o	.	o	.	.	.	o	o	o	o	o
c202a_036	No0039	2344+514	3mm_ddc	o	o	o	o	o	o	.	o	.	.	.	o	o	o	o	o
c202a_037	No0041	0102+584	3mm_ddc	o	o	o	o	o	o	.	o	.	.	.	o	o	o	o	o
c202a_038	No0042	2344+514	3mm_ddc	o	o	o	o	o	o	.	o	.	.	.	o	o	o	o	o
c202a_039	No0044	BLLAC	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	o	o	o	o	o
c202a_040	No0046	0102+584	3mm_ddc	o	o	o	o	o	o	.	o	.	.	.	o	o	o	o	o
c202a_041	No0047	2344+514	3mm_ddc	o	o	o	o	o	o	.	o	.	.	.	o	o	o	o	o
c202a_042	No0049	0102+584	3mm_ddc	o	o	o	o	o	o	.	o	.	.	.	o	o	o	o	o
c202a_043	No0050	2344+514	3mm_ddc	o	o	o	o	o	o	.	o	.	.	.	o	o	o	o	o
c202a_044	No0052	0102+584	3mm_ddc	o	o	o	o	o	o	.	o	.	.	.	o	o	o	o	o
c202a_045	No0053	2344+514	3mm_ddc	o	o	o	o	o	o	.	o	.	.	.	o	o	o	o	o
c202a_046	No0055	0102+584	3mm_ddc	o	o	o	o	o	o	.	o	.	.	.	o	o	o	o	o

c202a_047	No0056	2344+514	3mm_ddc	o	o	o	o	o	o	o	.	o	.	.	.	o	o	o	o	o
c202a_048	No0058	0102+584	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_049	No0059	2344+514	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_050	No0061	BLLAC	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_051	No0063	0102+584	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_052	No0064	2344+514	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_053	No0066	0102+584	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_054	No0067	2344+514	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_055	No0069	0102+584	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_056	No0070	2344+514	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_057	No0072	0102+584	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_058	No0073	2344+514	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_059	No0075	0102+584	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_060	No0076	2344+514	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_061	No0079	BLLAC	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	.	.	.	.	.
c202a_062	No0080	2344+514	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	.	.	.	.	.
c202a_063	No0082	0102+584	3mm_ddc	.	.	.	.	.	.	.	.	.	.	.	.	o	o	o	o	o
c202a_064	No0083	2344+514	3mm_ddc	.	.	.	.	.	.	.	.	.	.	.	.	o	o	o	o	o
c202a_065	No0084	0102+584	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_066	No0085	2344+514	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_067	No0087	0102+584	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_068	No0088	2344+514	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_069	No0091	0102+584	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_070	No0092	2344+514	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_071	No0094	0102+584	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_072	No0095	2344+514	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_073	No0097	0102+584	3mm_ddc	o	o	o	o	o	o	o	o	88	x	.	.	o	o	o	o	o
c202a_074	No0098	2344+514	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c202a_075	No0100	0102+584	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c202a_076	No0101	1928+738	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c202a_077	No0102	1928+738	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c202a_078	No0103	0102+584	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c202a_079	No0104	1928+738	3mm_ddc	o	o	o	o	o	o	o	o	o	x	.	.	o	o	o	o	o
c202a_080	No0105	1928+738	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c202a_081	No0106	BLLAC	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	.	.	.	.	.	
c202a_082	No0107	0102+584	3mm_ddc	.	.	.	.	.	.	.	.	.	.	.	.	o	o	o	o	o
c202a_083	No0108	1928+738	3mm_ddc	o	o	o	o	o	o	o	o	x	.	.	.	.	o	o	o	o
c202a_084	No0109	1928+738	3mm_ddc	o	o	o	o	o	o	o	o	x	.	.	.	.	o	o	o	o
c202a_085	No0110	0102+584	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c202a_086	No0111	1928+738	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c202a_087	No0112	1928+738	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c202a_088	No0113	0102+584	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c202a_089	No0114	1928+738	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c202a_090	No0115	1928+738	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c202a_091	No0116	0102+584	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c202a_092	No0117	1928+738	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c202a_093	No0118	1928+738	3mm_ddc	o	o	o	o	o	o	o	o	76	.	.	.	.	o	o	o	o
c202a_094	No0119	0102+584	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c202a_095	No0120	1928+738	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c202a_096	No0121	1928+738	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o





c202a_147	No0175	OT546	3mm_ddc	o	o	o	o	o	o	o	.	x	.	.	.	o	o	o	o	o
c202a_148	No0177	3C345	3mm_ddc	o	o	o	o	o	o	o	.	o	.	.	.	o	o	o	o	o
c202a_149	No0178	OT546	3mm_ddc	o	o	o	o	o	o	o	.	o	.	.	.	o	o	o	o	o
c202a_150	No0180	3C345	3mm_ddc	o	o	o	o	o	o	o	.	o	.	.	.	o	o	o	o	o
c202a_151	No0181	OT546	3mm_ddc	o	o	o	o	o	o	o	.	o	.	.	.	o	o	o	o	o
c202a_152	No0183	3C345	3mm_ddc	o	o	o	o	o	o	o	.	o	.	.	.	o	o	o	o	o
c202a_153	No0184	OT546	3mm_ddc	o	o	o	o	o	o	o	.	o	.	.	.	o	o	o	o	o
c202a_154	No0186	3C345	3mm_ddc	o	o	o	o	o	o	o	.	o	.	.	.	o	o	o	o	o
c202a_155	No0187	OT546	3mm_ddc	o	o	o	o	o	o	o	.	o	.	.	.	o	o	o	o	o
c202a_156	No0189	3C345	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_157	No0190	OT546	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_158	No0192	3C345	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_159	No0193	OT546	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_160	No0195	3C345	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_161	No0196	OT546	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_162	No0198	3C345	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_163	No0199	OT546	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_164	No0201	3C345	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_165	No0202	OT546	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_166	No0204	3C345	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_167	No0205	OT546	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_168	No0207	3C345	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_169	No0208	OT546	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_170	No0210	3C345	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_171	No0211	OT546	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_172	No0213	3C345	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_173	No0214	OT546	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_174	No0216	2013+370	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_175	No0217	OT546	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_176	No0219	2013+370	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_177	No0220	OT546	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_178	No0222	2013+370	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_179	No0223	OT546	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_180	No0225	2013+370	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_181	No0226	OT546	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c202a_182	No0228	2013+370	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_183	No0229	OT546	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
c202a_184	No0231	2013+370	3mm_ddc	o	o	o	o	o	o	o	o	.	.	.	.	o	o	o	o	o
c202a_185	No0232	OT546	3mm_ddc	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o

**c202a.fits (7mm):**

				FD	NL	OV	PT	BR	KP	MK	LA	HN	SC
c202a_01	No0029	2344+514	7mm_ddc	o	o	o	o	o	o	.	o	x	o
c202a_02	No0032	2344+514	7mm_ddc	o	o	o	o	o	o	.	o	x	o
c202a_03	No0037	2344+514	7mm_ddc	o	o	o	o	o	o	.	o	x	o
c202a_04	No0040	2344+514	7mm_ddc	o	o	o	o	o	o	.	o	x	o
c202a_05	No0043	2344+514	7mm_ddc	o	o	o	o	o	o	.	o	x	o
c202a_06	No0045	BLLAC	7mm_ddc	o	o	o	o	o	o	o	o	x	o

c202a_07	No0048	2344+514	7mm_ddc	o	o	o	o	o	o	o	o	x	o
c202a_08	No0051	2344+514	7mm_ddc	o	o	o	o	o	o	o	o	x	o
c202a_09	No0054	2344+514	7mm_ddc	o	o	o	o	o	o	o	o	x	o
c202a_10	No0057	2344+514	7mm_ddc	o	o	o	o	o	o	o	o	x	o
c202a_11	No0060	2344+514	7mm_ddc	o	o	o	o	o	o	o	o	x	o
c202a_12	No0062	BLLAC	7mm_ddc	o	o	o	o	o	o	o	o	x	o
c202a_13	No0065	2344+514	7mm_ddc	o	o	o	o	o	o	o	o	x	o
c202a_14	No0068	2344+514	7mm_ddc	o	o	o	o	o	o	o	o	x	o
c202a_15	No0071	2344+514	7mm_ddc	o	o	o	o	o	o	o	o	x	o
c202a_16	No0074	2344+514	7mm_ddc	o	o	o	o	o	o	o	o	x	o
c202a_17	No0077	2344+514	7mm_ddc	o	o	o	o	o	o	o	o	x	o
c202a_18	No0078	BLLAC	7mm_ddc	o	o	o	o	o	o	o	o	x	o
c202a_19	No0081	2344+514	7mm_ddc	o	o	o	o	o	o	o	o	x	o
c202a_20	No0086	2344+514	7mm_ddc	o	o	o	o	o	o	o	o	x	o
c202a_21	No0089	2344+514	7mm_ddc	o	o	o	o	o	o	o	o	x	o
c202a_22	No0090	0102+584	7mm_ddc	o	o	o	o	o	o	o	o	x	o
c202a_23	No0093	2344+514	7mm_ddc	o	o	o	o	o	o	o	o	x	o
c202a_24	No0096	2344+514	7mm_ddc	o	o	o	o	o	o	o	o	x	o
c202a_25	No0099	0102+584	7mm_ddc	o	o	o	o	o	o	o	o	x	o
c202a_26	No0167	OT546	7mm_ddc	o	o	o	o	o	o	.	x	x	o
c202a_27	No0170	OT546	7mm_ddc	o	o	o	o	o	o	.	x	o	o
c202a_28	No0173	OT546	7mm_ddc	o	o	o	o	o	o	.	x	o	o
c202a_29	No0176	OT546	7mm_ddc	o	o	o	o	o	o	.	x	o	o
c202a_30	No0179	OT546	7mm_ddc	o	o	o	o	o	o	.	o	o	o
c202a_31	No0182	OT546	7mm_ddc	o	o	o	o	o	o	.	o	o	o
c202a_32	No0185	OT546	7mm_ddc	o	o	o	o	o	o	.	o	o	o
c202a_33	No0188	OT546	7mm_ddc	o	o	o	o	o	o	x	o	o	o
c202a_34	No0191	OT546	7mm_ddc	o	o	o	o	o	o	o	o	o	o
c202a_35	No0194	OT546	7mm_ddc	o	o	o	o	o	o	o	o	o	o
c202a_36	No0197	OT546	7mm_ddc	o	o	o	o	o	o	o	o	o	o
c202a_37	No0200	OT546	7mm_ddc	o	o	o	o	o	o	o	o	o	o
c202a_38	No0203	OT546	7mm_ddc	o	o	o	o	o	o	o	o	o	o
c202a_39	No0206	OT546	7mm_ddc	o	o	o	o	o	o	o	o	o	o
c202a_40	No0209	OT546	7mm_ddc	o	o	o	o	o	o	o	o	o	o
c202a_41	No0212	OT546	7mm_ddc	o	o	o	o	o	o	o	o	o	o
c202a_42	No0215	OT546	7mm_ddc	o	o	o	o	o	o	o	o	o	o
c202a_43	No0218	OT546	7mm_ddc	o	o	o	o	o	o	o	o	o	o
c202a_44	No0221	OT546	7mm_ddc	o	o	o	o	o	o	o	o	o	o
c202a_45	No0224	OT546	7mm_ddc	o	o	o	o	o	o	o	o	o	o
c202a_46	No0227	OT546	7mm_ddc	o	o	o	o	o	o	o	o	o	o
c202a_47	No0230	OT546	7mm_ddc	o	o	o	o	o	o	o	o	o	o
c202a_48	No0233	OT546	7mm_ddc	o	o	o	o	o	o	o	o	o	o