

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
- 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>c202a_FRINGE_RfAnt_Ef_LLRR_AllSrc_3mm.pdf</p> <p>Examples of fourfit fringe plots can be found in (all fringe plots with baselines including the given antenna):</p> <p>No0189_B_3mm.pdf</p> <p>Antenna statistics:</p> <p>c202a_Ef_3mm.antrep</p> <p>Same for all antennas below unless otherwise noted.</p> | <p>Participated in 100% scans (3mm only), fringes in 16% baselines* pols, mean SNR 48.</p> <p>bad weather</p> |
| On | X | yes | <p>c202a_FRINGE_RfAnt_On_LLRR_AllSrc_3mm.pdf</p> <p>No0131_X_3mm.pdf</p> <p>c202a_On_3mm.antrep</p> | <p>Participated in 100% scans (3mm only), fringes in 23% baselines* pols, mean SNR 36.</p> |

| | | | | |
|-------------|---|-----|--|---|
| Ys | Y | no | c202a FRINGE RfAnt Ys LLRR AllSrc 3mm.pdf c202a Ys 3mm.antrep | 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 | c202a FRINGE RfAnt Mh LLRR AllSrc 3mm.pdf No0087 Z 3mm.pdf c202a Mh 3mm.antrep | Participated in 100% scans (3mm only), fringes in 10% baselines* pols, mean SNR 25. bad weather |
| Pv | P | yes | c202a FRINGE RfAnt Pv LLRR AllSrc 3mm.pdf No0100 P 3mm.pdf c202a Pv 3mm.antrep | Participated in 100% scans (3mm only), fringes in 35% baselines* pols, mean SNR 52. |
| VLBA: Br | b | yes | c202a FRINGE RfAnt Br LLRR AllSrc 3mm.pdf No0128 b 3mm.pdf c202a Br 3mm.antrep c202a FRINGE RfAnt Br LLRR AllSrc 7mm.pdf No0090 b 7mm.pdf c202a Br 7mm.antrep | 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 | c202a FRINGE RfAnt Fd LLRR AllSrc 3mm.pdf No0150 f 3mm.pdf c202a Fd 3mm.antrep c202a FRINGE RfAnt Fd LLRR AllSrc 7mm.pdf No0090 f 7mm.pdf c202a Fd 7mm.antrep | 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 | c202a FRINGE RfAnt Kp LLRR AllSrc 3mm.pdf No0150 k 3mm.pdf c202a Kp 3mm.antrep c202a FRINGE RfAnt Kp LLRR AllSrc 7mm.pdf No0090 k 7mm.pdf | 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. |

| | | | | |
|-------------|---|-----|--|---|
| | | | c202a_Kp_7mm.antrep | |
| VLBA: La | l | yes | c202a_FRINGE_RfAnt_La_LLRR_AllSrc_3mm.pdf No0131_l_3mm.pdf c202a_La_3mm.antrep c202a_FRINGE_RfAnt_La_LLRR_AllSrc_7mm.pdf No0090_l_7mm.pdf c202a_La_7mm.antrep | <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>dropped out for several scans due to USNO observations</p> |
| VLBA: Mk | m | yes | c202a_FRINGE_RfAnt_Mk_LLRR_AllSrc_3mm.pdf No0150_m_3mm.pdf c202a_Mk_3mm.antrep c202a_FRINGE_RfAnt_Mk_LLRR_AllSrc_7mm.pdf No0090_m_7mm.pdf c202a_Mk_7mm.antrep | <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>dropped out for several scans due to USNO observations</p> |
| VLBA: Nl | n | yes | c202a_FRINGE_RfAnt_Nl_LLRR_AllSrc_3mm.pdf No0122_n_3mm.pdf No0219_n_3mm.pdf c202a_Nl_3mm.antrep c202a_FRINGE_RfAnt_Nl_LLRR_AllSrc_7mm.pdf No0090_n_7mm.pdf c202a_Nl_7mm.antrep | <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 | c202a_FRINGE_RfAnt_Ov_LLRR_AllSrc_3mm.pdf No0150_o_3mm.pdf No0228_o_3mm.pdf c202a_Ov_3mm.antrep c202a_FRINGE_RfAnt_Ov_LLRR_AllSrc_7mm.pdf No0090_o_7mm.pdf | <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> |

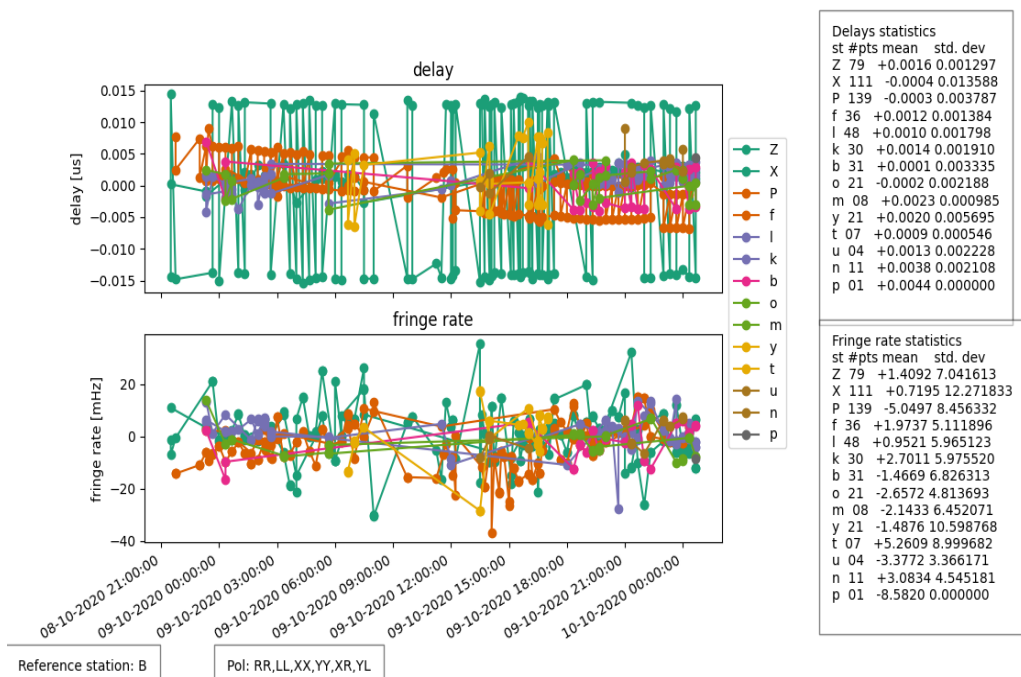
| | | | | |
|-------------|---|-----|--|---|
| | | | c202a_Ov_7mm.antrep | |
| VLBA: Pt | p | yes | c202a_FRINGE_RfAnt_Pt_LLRR_AllSrc_3mm.pdf No0128_p_3mm.pdf c202a_Pt_3mm.antrep c202a_FRINGE_RfAnt_Pt_LLRR_AllSrc_7mm.pdf No0090_p_7mm.pdf c202a_Pt_7mm.antrep | <p>3mm: participated in 95% scans, fringes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

Notes

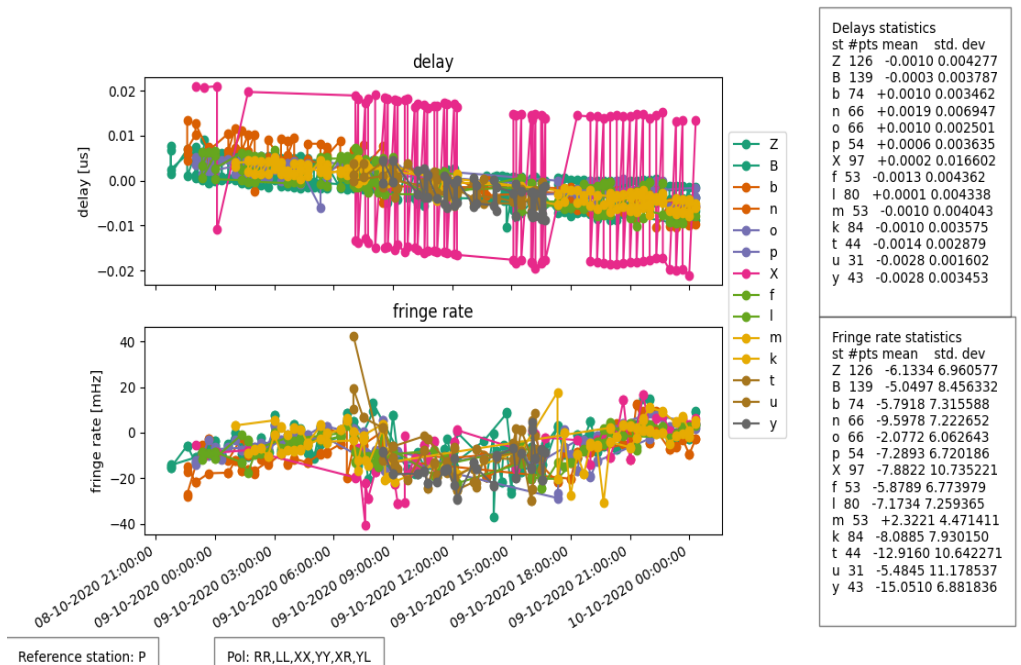
Post-Correlation checks

Residuals

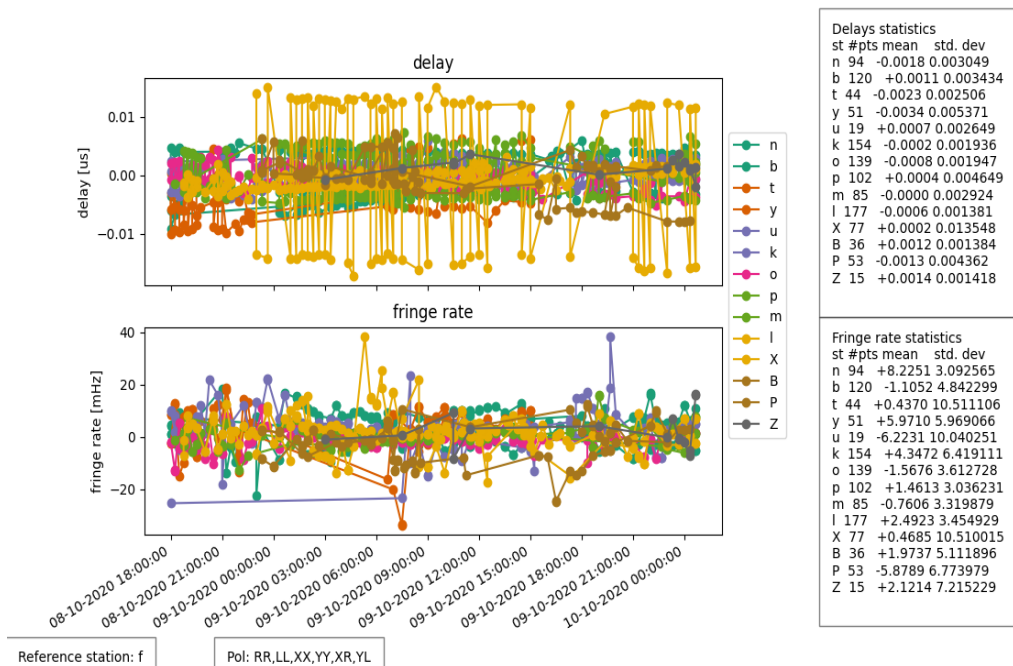
Ef as reference (3mm):



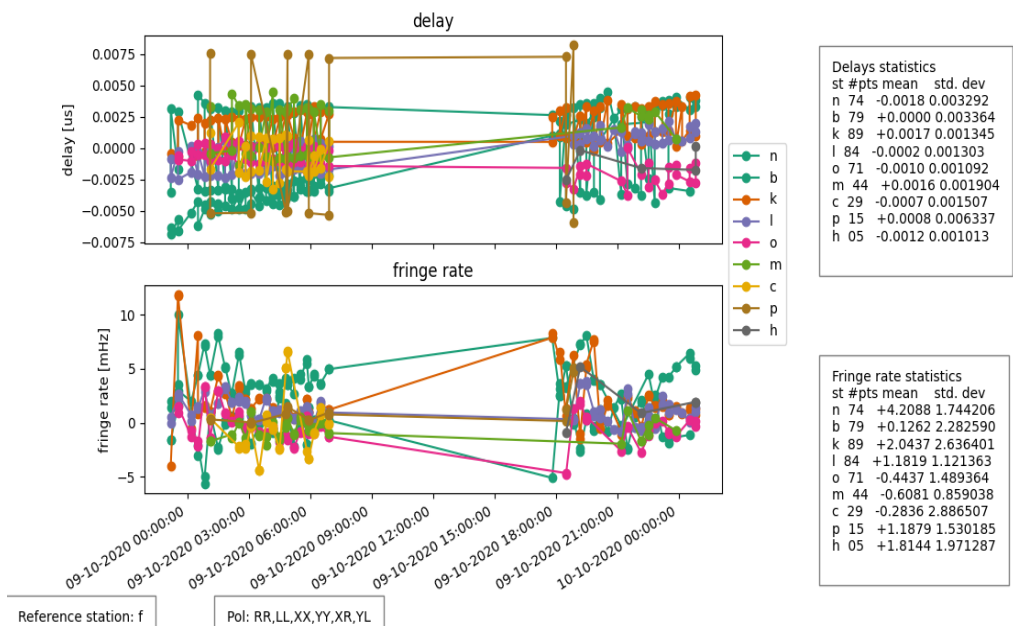
Pv as reference (3mm):



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 | x | 13 | . | . | . | . | . | . |
| c202a_015 | No0015 | 1156+295 | 3mm_ddc | 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 | 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 | o | o |
| c202a_084 | No0109 | 1928+738 | 3mm_ddc | o | o | o | o | o | o | o | o | x | . | . | o | o | 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 | 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 |