

C182B/MM015_pt1 Correlation Report

General information

- The **first part** of science project **MM015**, the [second part of MM015](#) is in [C182C](#).
- PI: MARSCHER
- Targets: FERMI sources
- Session info: <http://www3.mpifr-bonn.mpg.de/div/vlbi/globalmm/>
- Station feedback: http://www3.mpifr-bonn.mpg.de/div/vlbi/globalmm/sessions/sep18/feedback_sep18.asc
- Text file with detailed antenna statistics:
[c182b.antrep](#)

Current Status

Correlation finished, data **released** on 14.03.2019.

Fringes

| Station | Code | Fringes | Plots | Comments |
|---------|------|---------|--|----------|
| Ef | B | yes | <p>Fringe overview of all baselines (all of C182B) including this antenna in LL (left for each baseline) and RR (right for each baseline).</p> <p>Legend: white - scheduled, but no data, blue - no fringe, dark red/brown/green - fringes of different quality, bright red - false fringe (mostly for baselines to KVN, determined by having extremely large single-band delay, > 0.1us)</p> <p>c182b_SBD_RfAnt_Ef_LLRR_AllSrc.pdf</p> <p>Examples of fourfit fringe plots:</p> <p>c182b_No0239_3C454.3_BX_LL.pdf, c182b_No0239_3C454.3_BX_LR.pdf, c182b_No0239_3C454.3_BX_RL.pdf, c182b_No0239_3C454.3_BX_RR.pdf.</p> <p>c182b_No0002_1055+018_BY_RL.pdf, c182b_No0002_1055+018_BY_RR.pdf, no LL or LR fringes.</p> <p>c182b_No0243_0420-014_BZ_LL.pdf, c182b_No0243_0420-014_BZ_LR.pdf, c182b_No0243_0420-014_BZ_RL.pdf, c182b_No0243_0420-014_BZ_RR.pdf.</p> <p>c182b_No0239_3C454.3_BP_LL.pdf, c182b_No0239_3C454.3_BP_LR.pdf, c182b_No0239_3C454.3_BP_RL.pdf, c182b_No0239_3C454.3_BP_RR.pdf.</p> <p>c182b_No0239_3C454.3_Bg_LL.pdf, c182b_No0239_3C454.3_Bg_LR.pdf, c182b_No0239_3C454.3_Bg_RL.pdf, c182b_No0239_3C454.3_Bg_RR.pdf.</p> <p>c182b_No0239_3C454.3_bB_LL.pdf, c182b_No0239_3C454.3_bB_RR.pdf, no LR or RL fringes.</p> | |

| Station | Code | Fringes | Plots | Comments |
|---------|------|---------|--|---|
| | | | <p>c182b No0239 3C454.3 Bf LL.pdf, c182b No0239 3C454.3 Bf LR.pdf, c182b No0239 3C454.3 Bf RL.pdf, c182b No0239 3C454.3 Bf RR.pdf.</p> <p>c182b No0239 3C454.3 Bk LL.pdf, c182b No0239 3C454.3 Bk RR.pdf, no LR or RL fringes.</p> <p>c182b No0239 3C454.3 Bl LL.pdf, c182b No0239 3C454.3 Bl RR.pdf, no LR or RL fringes.</p> <p>c182b No0239 3C454.3 Bm LL.pdf, c182b No0239 3C454.3 Bm RR.pdf, no LR or RL fringes</p> <p>c182b No0239 3C454.3 Bn LL.pdf, c182b No0239 3C454.3 Bn RR.pdf, no LR or RL fringes.</p> <p>c182b No0239 3C454.3 Bo LL.pdf, c182b No0239 3C454.3 Bo RR.pdf, no LR or RL fringes.</p> <p>Same for all antennas below unless otherwise noted.</p> | |
| On | X | yes | <p>c182b SBD RfAnt On LLRR AllSrc.pdf</p> <p>c182b No0239 3C454.3 BX LL.pdf, c182b No0239 3C454.3 BX LR.pdf, c182b No0239 3C454.3 BX RL.pdf, c182b No0239 3C454.3 BX RR.pdf.</p> | |
| Ys | Y | yes | <p>c182b SBD RfAnt Ys LLRR AllSrc.pdf</p> <p>c182b No0002 1055+018 BY RL.pdf, c182b No0002 1055+018 BY RR.pdf, no LL or LR fringes.</p> | An amplifier burned out just before the beginning of the session, fixed during the fringe test, but after that the antenna consistently produces fringes only to RCP, while in its typical configuration in should have LCP only, duplicated to both channels. But in this session it appears to have RCP only. |
| Mh | Z | yes | <p>c182b SBD RfAnt Mh LLRR AllSrc.pdf</p> <p>c182b No0243 0420-014 BZ LL.pdf, c182b No0243 0420-014 BZ LR.pdf, c182b No0243 0420-014 BZ RL.pdf, c182b No0243 0420-014 BZ RR.pdf.</p> <p>c182b No0243 0420-014 ZP LL.pdf, c182b No0243 0420-014 ZP LR.pdf, c182b No0243 0420-014 ZP RL.pdf, c182b No0243 0420-014 ZP RR.pdf.</p> | |
| Pv | P | yes | <p>c182b SBD RfAnt Pv LLRR AllSrc.pdf</p> <p>c182b No0239 3C454.3 BP LL.pdf, c182b No0239 3C454.3 BP LR.pdf, c182b No0239 3C454.3 BP RL.pdf, c182b No0239 3C454.3 BP RR.pdf.</p> | |

| Station | Code | Fringes | Plots | Comments |
|-------------|------|---------|--|--|
| | | | c182b No0243 0420-014 ZP LL.pdf , c182b No0243 0420-014 ZP LR.pdf , c182b No0243 0420-014 ZP RL.pdf , c182b No0243 0420-014 ZP RR.pdf . c182b No0205 0716+714 yP LL.pdf , c182b No0205 0716+714 yP LR.pdf , c182b No0205 0716+714 yP RL.pdf , c182b No0205 0716+714 yP RR.pdf . | |
| GLT: Gl | g | yes | c182b SBD RfAnt Gl LLRR AllSrc.pdf c182b No0239 3C454.3 Bg LL.pdf , c182b No0239 3C454.3 Bg LR.pdf , c182b No0239 3C454.3 Bg RL.pdf , c182b No0239 3C454.3 Bg RR.pdf . | The GLT was observing in an unknown polarization configuration, linear or some elliptic instead of the circular due to a polarizer misalignment. Unless there is a way to reconstruct the proper circular polarization, this station must be flagged or used only for the total power measurement. |
| VLBA: Br | b | yes | c182b SBD RfAnt Br LLRR AllSrc.pdf c182b No0239 3C454.3 bB LL.pdf , c182b No0239 3C454.3 bB RR.pdf , no LR or RL fringes. | All VLBA antennas suffer from the same problem, diminishing the effective observing time in many scans by 30-50%. |
| VLBA: Fd | f | yes | c182b SBD RfAnt Fd LLRR AllSrc.pdf c182b No0239 3C454.3 Bf LL.pdf , c182b No0239 3C454.3 Bf LR.pdf , c182b No0239 3C454.3 Bf RL.pdf , c182b No0239 3C454.3 Bf RR.pdf . | All VLBA antennas suffer from the same problem, diminishing the effective observing time in many scans by 30-50%. |
| VLBA: Kp | k | yes | c182b SBD RfAnt Kp LLRR AllSrc.pdf c182b No0239 3C454.3 Bk LL.pdf , c182b No0239 3C454.3 Bk RR.pdf , no LR or RL fringes. | All VLBA antennas suffer from the same problem, diminishing the effective observing time in many scans by 30-50%. |
| VLBA: La | l | yes | c182b SBD RfAnt La LLRR AllSrc.pdf c182b No0239 3C454.3 Bl LL.pdf , c182b No0239 3C454.3 Bl RR.pdf , no LR or RL fringes. | All VLBA antennas suffer from the same problem, diminishing the effective observing time in many scans by 30-50%. |
| VLBA: Mk | m | yes | c182b SBD RfAnt Mk LLRR AllSrc.pdf c182b No0239 3C454.3 Bm LL.pdf , c182b No0239 3C454.3 Bm RR.pdf , no LR or RL fringes | All VLBA antennas suffer from the same problem, diminishing the effective observing time in many scans by 30-50%. |
| VLBA: Nl | n | yes | c182b SBD RfAnt Nl LLRR AllSrc.pdf | All VLBA antennas suffer from the same problem, diminishing the effective observing time in many scans by 30-50%. |

| Station | Code | Fringes | Plots | Comments |
|-------------|------|---------|--|---|
| | | | c182b_No0239_3C454.3_Bn_LL.pdf , c182b_No0239_3C454.3_Bn_RR.pdf , no LR or RL fringes. | Data for the first several scans missing, probably due to a lost Mk5 module. |
| VLBA: Ov | o | yes | c182b_SBD_RfAnt_Ov_LLRR_AllSrc.pdf c182b_No0239_3C454.3_Bo_LL.pdf , c182b_No0239_3C454.3_Bo_RR.pdf , no LR or RL fringes. | All VLBA antennas suffer from the same problem, diminishing the effective observing time in many scans by 30-50%. |
| VLBA: Pt | p | no | c182b_SBD_RfAnt_Pt_LLRR_AllSrc.pdf ----- | All Pt data for this whole session lost due to a malfunctioning Mk5 module. We attempted to save it, but the data has proven to be unrecoverable. |
| KVN: Kt | t | no | c182b_SBD_RfAnt_Kt_LLRR_AllSrc.pdf c182b_No0205_0716+714_ty_LL.pdf , c182b_No0205_0716+714_ty_LR.pdf , c182b_No0205_0716+714_ty_RL.pdf , c182b_No0205_0716+714_ty_RR.pdf . | All fringes seem to be false ones, even those that have low SBD and appear green in the fringe overview table See the plots for one possible, but very strange fringe to Ky. |
| KVN: Ku | u | no | c182b_SBD_RfAnt_Ku_LLRR_AllSrc.pdf ----- | All fringes seem to be false ones, even those that have low SBD and appear green in the fringe overview table |
| KVN: Ky | y | yes | c182b_SBD_RfAnt_Ky_LLRR_AllSrc.pdf c182b_No0205_0716+714_yP_LL.pdf , c182b_No0205_0716+714_yP_LR.pdf , c182b_No0205_0716+714_yP_RL.pdf , c182b_No0205_0716+714_yP_RR.pdf . c182b_No0205_0716+714_ty_LL.pdf , c182b_No0205_0716+714_ty_LR.pdf , c182b_No0205_0716+714_ty_RL.pdf , c182b_No0205_0716+714_ty_RR.pdf . | Real fringes only to Pv (with exception of one possible but very strange fringe to Kt, see the plots) |

Notes

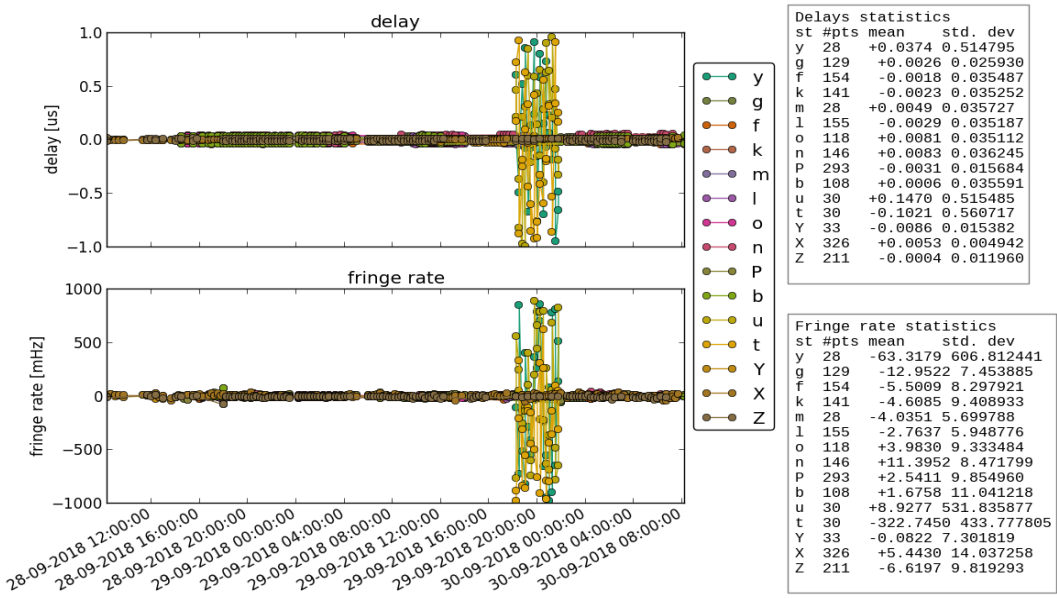
All VLBA antennas are affected by the same problem (probably originating in the control software) during the whole session: for a significant portion of scans the recording starts several seconds or even few minutes late compared with the schedule. This results in effective reduction of observing time by a factor of 30-50%.

For some reason fourfit finds a fringe for every baseline including a KVN antenna. We are still looking how to avoid this problem. Meanwhile in the overview tables above the value of single-band delay is used to tell the difference between the considerably fewer real fringes and false positives.

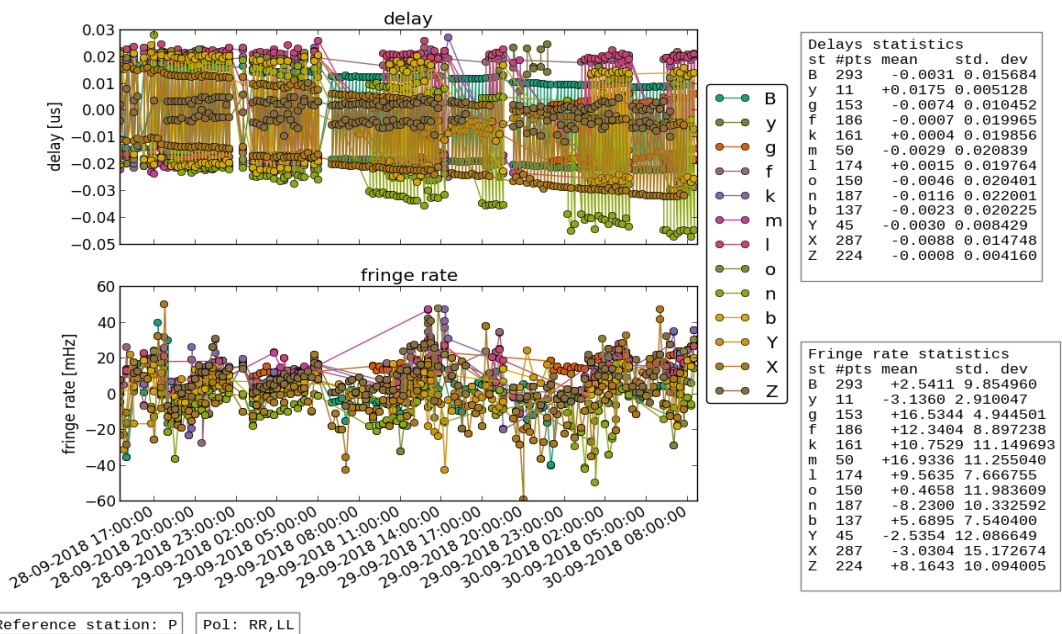
Post-Correlation checks

Residuals

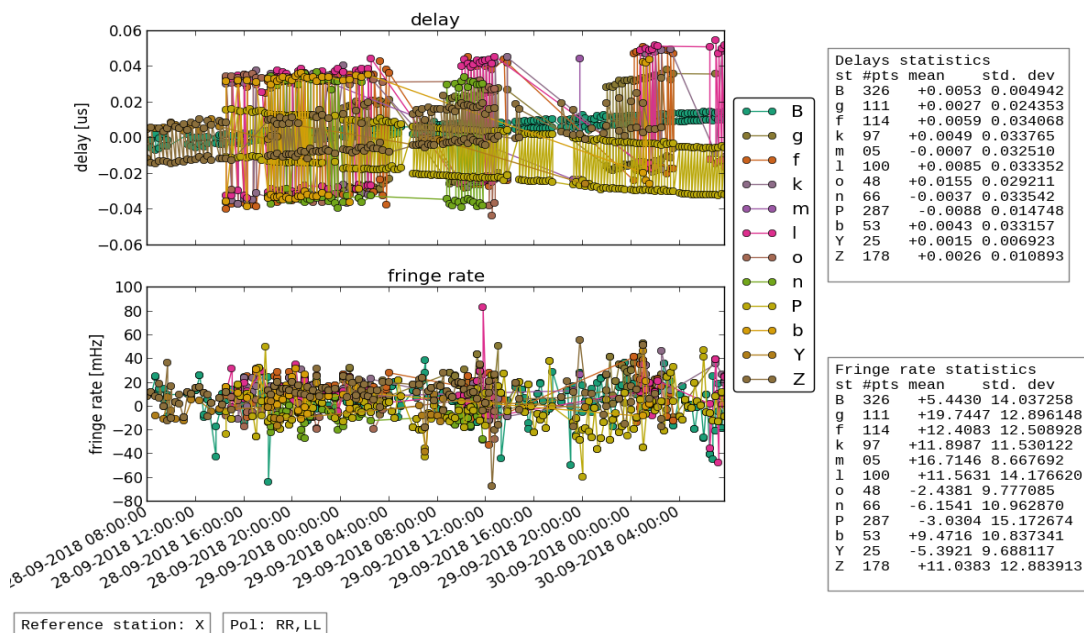
EF (the outliers are due to multiple false fringes in KVN antennas detected by fourfit):



PV:



ON:



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

mm015_pt1.fits:

| | | | | | EF | GL | ON | YS | PV | MH | FD | NL | OV | PT | BR | KP | LA | MK | KY | KU | KT | |
|-----------|--------|----------|----------|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| c182b_001 | No0001 | 1156+295 | 3mm_RDBE | o | x | o | x | x | o | . | . | . | . | . | . | . | . | . | . | . | . | . |
| c182b_002 | No0002 | 1055+018 | 3mm_RDBE | o | . | o | o | x | o | . | . | . | . | . | . | . | . | . | . | . | . | . |
| c182b_003 | No0003 | 1156+295 | 3mm_RDBE | o | x | o | o | x | o | . | . | . | . | . | . | . | . | . | . | . | . | . |
| c182b_004 | No0004 | 1055+018 | 3mm_RDBE | o | . | o | o | x | o | . | . | . | . | . | . | . | . | . | . | . | . | . |
| c182b_005 | No0005 | 1156+295 | 3mm_RDBE | o | x | o | o | x | o | . | . | . | . | . | . | . | . | . | . | . | . | . |
| c182b_006 | No0006 | 1055+018 | 3mm_RDBE | o | . | o | o | x | o | . | . | . | . | . | . | . | . | . | . | . | . | . |
| c182b_007 | No0007 | 1156+295 | 3mm_RDBE | o | x | o | o | x | o | . | . | . | . | . | . | . | . | . | . | . | . | . |
| c182b_008 | No0008 | 1055+018 | 3mm_RDBE | o | . | o | o | x | o | . | . | . | . | . | . | . | . | . | . | . | . | . |
| c182b_009 | No0009 | 1156+295 | 3mm_RDBE | o | x | o | o | x | o | . | . | . | . | . | . | . | . | . | . | . | . | . |
| c182b_010 | No0010 | 1055+018 | 3mm_RDBE | o | . | o | o | x | o | . | . | . | . | . | . | . | . | . | . | . | . | . |
| c182b_011 | No0011 | 1156+295 | 3mm_RDBE | o | x | o | o | x | o | . | . | . | . | . | . | . | . | . | . | . | . | . |
| c182b_012 | No0012 | 1055+018 | 3mm_RDBE | o | . | o | o | x | o | . | . | . | . | . | . | . | . | . | . | . | . | . |
| c182b_013 | No0013 | 1156+295 | 3mm_RDBE | o | x | o | o | x | o | . | . | . | . | . | . | . | . | . | . | . | . | . |
| c182b_014 | No0014 | 1055+018 | 3mm_RDBE | o | . | o | o | x | o | . | . | . | . | . | . | . | . | . | . | . | . | . |
| c182b_015 | No0015 | 1156+295 | 3mm_RDBE | o | x | o | o | x | o | . | . | . | . | . | . | . | . | . | . | . | . | . |
| c182b_016 | No0016 | 1055+018 | 3mm_RDBE | o | . | o | o | x | o | . | . | . | . | . | . | . | . | . | . | . | . | . |

| | | | | | | | | | | | | | | | | | | | | |
|-----------|--------|----------|----------|---|---|---|---|---|---|----|----|----|---|----|----|----|----|---|---|---|
| c182b_017 | No0017 | 1156+295 | 3mm_RDBE | o | x | o | o | x | o | . | . | . | . | . | . | . | . | . | . | . |
| c182b_018 | No0018 | 1055+018 | 3mm_RDBE | o | . | o | o | x | o | . | . | . | . | . | . | . | . | . | . | . |
| c182b_019 | No0019 | 1156+295 | 3mm_RDBE | o | x | o | o | x | o | . | . | . | . | . | . | . | . | . | . | . |
| c182b_020 | No0020 | 1156+295 | 3mm_RDBE | o | x | o | o | o | o | . | . | . | . | . | . | . | . | . | . | . |
| c182b_021 | No0021 | 1156+295 | 3mm_RDBE | o | x | o | o | o | o | 63 | x | 63 | x | 63 | 63 | 63 | . | . | . | . |
| c182b_022 | No0022 | 1055+018 | 3mm_RDBE | o | . | . | o | o | . | 63 | x | 63 | x | 63 | 63 | 63 | . | . | . | . |
| c182b_023 | No0023 | 1156+295 | 3mm_RDBE | o | x | o | o | o | o | 68 | x | 63 | x | 63 | 68 | 68 | . | . | . | . |
| c182b_024 | No0024 | 1055+018 | 3mm_RDBE | . | . | . | o | o | . | 63 | x | 63 | x | 63 | 63 | 63 | . | . | . | . |
| c182b_025 | No0025 | 1156+295 | 3mm_RDBE | o | x | o | o | o | o | 68 | x | 63 | x | 63 | 68 | 68 | . | . | . | . |
| c182b_026 | No0026 | 1055+018 | 3mm_RDBE | . | . | . | . | . | . | 73 | x | 73 | x | 73 | 73 | 73 | 73 | . | . | . |
| c182b_027 | No0027 | 1156+295 | 3mm_RDBE | o | x | o | o | o | o | . | . | . | . | . | . | . | . | . | . | . |
| c182b_028 | No0028 | 1156+295 | 3mm_RDBE | o | x | o | o | o | o | o | x | o | x | o | o | o | o | . | . | . |
| c182b_029 | No0029 | 1156+295 | 3mm_RDBE | o | x | o | o | o | o | 72 | x | 68 | x | 68 | 72 | 72 | 68 | . | . | . |
| c182b_030 | No0030 | 1055+018 | 3mm_RDBE | . | . | . | . | . | . | 73 | 73 | 73 | x | 73 | 73 | 73 | 73 | . | . | . |
| c182b_031 | No0031 | 1156+295 | 3mm_RDBE | o | x | o | o | o | o | . | . | . | . | . | . | . | . | . | . | . |
| c182b_032 | No0032 | 1156+295 | 3mm_RDBE | o | x | o | o | o | o | o | o | o | x | o | o | o | o | . | . | . |
| c182b_033 | No0033 | 1156+295 | 3mm_RDBE | o | x | o | o | o | o | 72 | 72 | 68 | x | 68 | 72 | 72 | 68 | . | . | . |
| c182b_034 | No0034 | 1055+018 | 3mm_RDBE | . | . | . | . | . | . | 73 | 73 | 73 | x | 73 | 73 | 73 | 73 | . | . | . |
| c182b_035 | No0035 | 1156+295 | 3mm_RDBE | o | x | o | o | o | o | . | . | . | . | . | . | . | . | . | . | . |
| c182b_036 | No0036 | 1156+295 | 3mm_RDBE | o | x | o | o | o | o | o | o | o | x | o | o | o | o | . | . | . |
| c182b_037 | No0037 | 1156+295 | 3mm_RDBE | o | x | o | o | o | o | 77 | 77 | 68 | x | 68 | 77 | 77 | 68 | . | . | . |
| c182b_038 | No0038 | 1633+38 | 3mm_RDBE | o | x | o | o | o | o | 59 | 59 | 59 | x | 59 | 59 | 59 | . | . | . | . |
| c182b_039 | No0039 | 3C345 | 3mm_RDBE | o | x | o | o | o | o | 59 | 59 | 59 | x | 59 | 59 | 59 | . | . | . | . |
| c182b_040 | No0040 | 1633+38 | 3mm_RDBE | o | x | o | o | o | o | 59 | 59 | 59 | x | 59 | 59 | 59 | . | . | . | . |
| c182b_041 | No0041 | 3C345 | 3mm_RDBE | o | x | o | o | o | o | 59 | 59 | 59 | x | 59 | 59 | 59 | . | . | . | . |
| c182b_042 | No0042 | 1633+38 | 3mm_RDBE | o | x | o | o | o | o | 59 | 59 | 59 | x | 59 | 59 | 59 | . | . | . | . |
| c182b_043 | No0043 | 3C345 | 3mm_RDBE | o | x | o | x | o | o | 59 | 59 | 59 | x | 59 | 59 | 59 | . | . | . | . |
| c182b_044 | No0044 | 1633+38 | 3mm_RDBE | o | x | o | x | o | o | 59 | 59 | 59 | x | 59 | 59 | 59 | . | . | . | . |
| c182b_045 | No0045 | 3C345 | 3mm_RDBE | o | x | o | x | o | o | 59 | 59 | 59 | x | 59 | 59 | 59 | . | . | . | . |
| c182b_046 | No0046 | 1749+096 | 3mm_RDBE | o | x | o | x | o | o | 63 | 63 | 63 | x | 63 | 63 | 63 | . | . | . | . |
| c182b_047 | No0047 | 1749+096 | 3mm_RDBE | o | x | o | x | o | o | 63 | 63 | 63 | x | 63 | 63 | 63 | . | . | . | . |
| c182b_048 | No0048 | 1749+096 | 3mm_RDBE | o | x | o | x | o | o | 63 | 63 | 63 | x | 63 | 63 | 63 | . | . | . | . |
| c182b_049 | No0049 | 1749+096 | 3mm_RDBE | o | x | o | x | o | o | 59 | 59 | 63 | x | 63 | 59 | 59 | . | . | . | . |
| c182b_050 | No0050 | 1749+096 | 3mm_RDBE | o | x | o | x | o | o | 59 | 59 | 63 | x | 63 | 59 | 59 | . | . | . | . |
| c182b_051 | No0051 | 1749+096 | 3mm_RDBE | o | x | o | x | o | o | 59 | 59 | 63 | x | 63 | 59 | 59 | . | . | . | . |
| c182b_052 | No0052 | 1749+096 | 3mm_RDBE | o | x | o | x | o | o | 59 | 59 | 59 | x | 59 | 59 | 59 | . | . | . | . |
| c182b_053 | No0053 | 3C345 | 3mm_RDBE | o | x | o | x | o | o | 68 | 68 | 63 | x | 63 | 68 | 68 | 63 | . | . | . |
| c182b_054 | No0054 | 1633+38 | 3mm_RDBE | o | x | o | x | o | o | 68 | 68 | 63 | x | 63 | 68 | 68 | 63 | . | . | . |
| c182b_055 | No0055 | 3C345 | 3mm_RDBE | o | x | o | x | o | o | 72 | 72 | 63 | x | 63 | 72 | 72 | 63 | . | . | . |
| c182b_056 | No0056 | 1633+38 | 3mm_RDBE | o | x | o | x | o | o | 72 | 72 | 63 | x | 63 | 72 | 72 | 63 | . | . | . |
| c182b_057 | No0057 | 3C345 | 3mm_RDBE | o | x | o | x | o | o | 72 | 72 | 63 | x | 63 | 72 | 72 | 63 | . | . | . |
| c182b_058 | No0058 | 1633+38 | 3mm_RDBE | o | x | o | x | o | o | 72 | 72 | 63 | x | 63 | 72 | 72 | 63 | . | . | . |
| c182b_059 | No0059 | 3C345 | 3mm_RDBE | o | x | o | x | o | o | 77 | 77 | 68 | x | 68 | 77 | 77 | 68 | . | . | . |
| c182b_060 | No0060 | 1633+38 | 3mm_RDBE | o | x | o | x | o | o | 77 | 77 | 68 | x | 68 | 77 | 77 | 68 | . | . | . |
| c182b_061 | No0061 | 3C345 | 3mm_RDBE | . | x | o | . | . | . | 80 | 80 | 80 | x | 80 | 80 | 80 | 80 | . | . | . |
| c182b_062 | No0062 | 1749+096 | 3mm_RDBE | . | . | . | . | . | . | o | o | o | x | o | o | o | o | . | . | . |
| c182b_063 | No0063 | BLLAC | 3mm_RDBE | o | o | o | x | o | o | o | o | o | x | o | o | o | . | . | . | . |
| c182b_064 | No0064 | BLLAC | 3mm_RDBE | o | o | o | x | o | o | 63 | 63 | 63 | x | 63 | 63 | 63 | . | . | . | . |
| c182b_065 | No0065 | BLLAC | 3mm_RDBE | o | o | o | x | o | o | 63 | 63 | 63 | x | 63 | 63 | 63 | . | . | . | . |
| c182b_066 | No0066 | BLLAC | 3mm_RDBE | o | o | o | x | o | o | . | . | . | . | . | . | . | . | . | . | . |

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|-----------|--------|----------|----------|---|---|---|---|---|---|----|----|----|---|----|----|----|----|---|---|---|
| c182b_067 | No0067 | 1749+096 | 3mm_RDBE | . | . | . | . | . | . | 73 | 73 | 70 | x | 73 | 73 | 73 | 73 | . | . | . |
| c182b_068 | No0068 | BLLAC | 3mm_RDBE | o | o | o | x | o | o | o | o | o | x | o | o | o | . | . | . | . |
| c182b_069 | No0069 | BLLAC | 3mm_RDBE | o | o | o | x | o | o | 63 | 63 | 63 | x | 63 | 63 | 63 | . | . | . | . |
| c182b_070 | No0070 | BLLAC | 3mm_RDBE | o | o | o | x | o | o | 63 | 63 | 72 | x | 72 | 63 | 63 | 72 | . | . | . |
| c182b_071 | No0071 | BLLAC | 3mm_RDBE | o | o | o | x | o | o | . | . | . | . | . | . | . | . | . | . | . |
| c182b_072 | No0072 | 1749+096 | 3mm_RDBE | . | . | . | . | . | . | 73 | 73 | 70 | x | 73 | 73 | 73 | 73 | . | . | . |
| c182b_073 | No0073 | BLLAC | 3mm_RDBE | o | o | o | x | o | o | o | o | o | x | o | o | o | o | . | . | . |
| c182b_074 | No0074 | BLLAC | 3mm_RDBE | o | o | o | x | o | o | 63 | 63 | 77 | x | 77 | 63 | 63 | 77 | . | . | . |
| c182b_075 | No0075 | BLLAC | 3mm_RDBE | o | o | o | x | o | o | 63 | 63 | 63 | x | 63 | 63 | 63 | 63 | . | . | . |
| c182b_076 | No0076 | BLLAC | 3mm_RDBE | o | o | o | x | o | o | . | . | . | . | . | . | . | . | . | . | . |
| c182b_077 | No0077 | 1749+096 | 3mm_RDBE | . | . | . | . | . | . | 73 | 73 | 70 | x | 73 | 73 | 73 | 73 | . | . | . |
| c182b_078 | No0078 | BLLAC | 3mm_RDBE | o | o | o | x | o | o | o | o | o | x | o | o | o | o | . | . | . |
| c182b_079 | No0079 | BLLAC | 3mm_RDBE | o | o | o | x | o | o | 63 | 63 | 68 | x | 68 | 63 | 63 | 68 | . | . | . |
| c182b_080 | No0080 | BLLAC | 3mm_RDBE | o | o | o | x | o | o | 72 | 72 | 68 | x | 68 | 72 | 72 | 68 | . | . | . |
| c182b_081 | No0081 | BLLAC | 3mm_RDBE | o | o | o | x | o | o | 77 | 77 | 68 | x | 68 | 77 | 77 | 68 | . | . | . |
| c182b_082 | No0082 | BLLAC | 3mm_RDBE | o | o | o | x | o | o | . | . | . | . | . | . | . | . | . | . | . |
| c182b_083 | No0083 | 1749+096 | 3mm_RDBE | . | . | . | . | . | . | 73 | 73 | 73 | x | 76 | 73 | 73 | 76 | o | o | o |
| c182b_084 | No0084 | BLLAC | 3mm_RDBE | o | o | o | x | o | o | . | . | . | . | . | . | . | . | . | . | . |
| c182b_085 | No0085 | 1749+096 | 3mm_RDBE | . | . | . | . | . | . | o | o | o | x | o | o | o | o | o | o | o |
| c182b_086 | No0086 | BLLAC | 3mm_RDBE | o | o | o | x | o | o | o | o | o | x | o | o | o | o | . | . | . |
| c182b_087 | No0087 | 1749+096 | 3mm_RDBE | . | . | . | . | . | . | o | . | o | x | o | o | o | o | o | o | o |
| c182b_088 | No0088 | BLLAC | 3mm_RDBE | o | o | o | x | o | o | o | o | o | x | o | o | o | o | . | . | . |
| c182b_089 | No0089 | 1749+096 | 3mm_RDBE | . | . | . | . | . | . | o | . | o | x | o | o | o | o | o | o | o |
| c182b_090 | No0090 | BLLAC | 3mm_RDBE | o | o | o | x | . | o | o | o | o | x | o | o | o | o | . | . | . |
| c182b_091 | No0091 | 1749+096 | 3mm_RDBE | . | . | . | . | . | . | o | . | o | x | o | o | o | o | o | o | o |
| c182b_092 | No0092 | BLLAC | 3mm_RDBE | . | o | o | . | . | o | o | o | o | x | o | o | o | o | . | . | . |
| c182b_093 | No0093 | 1749+096 | 3mm_RDBE | . | . | . | . | . | . | o | . | o | x | o | o | o | o | o | o | o |
| c182b_094 | No0094 | BLLAC | 3mm_RDBE | . | o | o | . | . | o | o | o | o | x | o | o | o | o | . | . | . |
| c182b_095 | No0095 | 1749+096 | 3mm_RDBE | . | . | . | . | . | . | . | . | o | . | o | o | . | o | o | o | o |
| c182b_096 | No0096 | BLLAC | 3mm_RDBE | . | o | . | . | . | . | o | o | o | x | o | o | o | o | . | . | . |
| c182b_097 | No0097 | OJ287 | 3mm_RDBE | o | . | o | x | o | o | . | . | . | . | . | . | . | . | . | . | . |
| c182b_098 | No0098 | BLLAC | 3mm_RDBE | . | o | . | . | . | . | o | o | o | x | o | o | o | o | o | o | o |
| c182b_099 | No0099 | OJ287 | 3mm_RDBE | o | . | o | x | o | o | . | . | . | . | . | . | . | . | . | . | . |
| c182b_100 | No0100 | BLLAC | 3mm_RDBE | . | o | . | . | . | . | o | o | o | x | o | o | o | o | o | o | o |
| c182b_101 | No0101 | OJ287 | 3mm_RDBE | o | . | o | o | o | o | . | . | . | . | . | . | . | . | . | . | . |
| c182b_102 | No0102 | BLLAC | 3mm_RDBE | . | o | . | . | . | . | o | o | o | x | o | o | o | o | o | o | o |
| c182b_103 | No0103 | OJ287 | 3mm_RDBE | o | . | o | o | o | o | . | . | . | . | . | . | . | . | . | . | . |
| c182b_104 | No0104 | BLLAC | 3mm_RDBE | . | o | . | . | . | . | o | o | o | x | o | o | o | o | o | o | o |
| c182b_105 | No0105 | 1055+018 | 3mm_RDBE | o | . | o | o | o | o | . | . | . | . | . | . | . | . | . | . | . |
| c182b_106 | No0106 | BLLAC | 3mm_RDBE | . | o | . | . | . | . | o | o | o | x | o | o | o | o | o | o | o |
| c182b_107 | No0107 | OJ287 | 3mm_RDBE | o | . | o | o | o | o | . | . | . | . | . | . | . | . | . | . | . |
| c182b_108 | No0108 | BLLAC | 3mm_RDBE | . | o | . | . | . | . | o | o | o | x | o | o | o | o | o | o | o |
| c182b_109 | No0109 | OJ287 | 3mm_RDBE | o | . | o | o | o | o | . | . | . | . | . | . | . | . | . | . | . |
| c182b_110 | No0110 | BLLAC | 3mm_RDBE | . | o | . | . | . | . | o | o | o | x | o | o | o | o | o | o | o |
| c182b_111 | No0111 | 1055+018 | 3mm_RDBE | o | . | o | o | o | o | . | . | . | . | . | . | . | . | . | . | . |
| c182b_112 | No0112 | BLLAC | 3mm_RDBE | . | o | . | . | . | . | o | o | o | x | o | o | o | o | o | o | o |
| c182b_113 | No0113 | OJ287 | 3mm_RDBE | o | . | o | o | o | o | . | . | . | . | . | . | . | . | . | . | . |
| c182b_114 | No0114 | BLLAC | 3mm_RDBE | . | o | . | . | . | . | o | o | o | x | o | o | o | o | o | o | o |
| c182b_115 | No0115 | OJ287 | 3mm_RDBE | o | . | o | o | o | o | . | . | . | . | . | . | . | . | . | . | . |
| c182b_116 | No0116 | BLLAC | 3mm_RDBE | . | o | . | . | . | . | o | o | o | x | o | o | o | o | o | o | o |

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|-----------|--------|----------|----------|---|----|---|---|---|---|----|----|----|---|----|----|----|----|---|---|
| c182b_117 | No0117 | 1055+018 | 3mm_RDBE | o | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| c182b_118 | No0118 | BLLAC | 3mm_RDBE | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| c182b_119 | No0119 | OJ287 | 3mm_RDBE | o | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| c182b_120 | No0120 | BLLAC | 3mm_RDBE | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| c182b_121 | No0121 | OJ287 | 3mm_RDBE | o | 90 | o | x | o | o | . | 68 | . | . | . | . | . | . | . | . |
| c182b_122 | No0122 | BLLAC | 3mm_RDBE | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| c182b_123 | No0123 | OJ287 | 3mm_RDBE | o | o | o | x | o | o | . | 63 | . | . | . | . | . | . | . | . |
| c182b_124 | No0124 | BLLAC | 3mm_RDBE | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| c182b_125 | No0125 | OJ287 | 3mm_RDBE | o | o | o | x | o | o | . | 63 | . | . | . | . | . | . | . | . |
| c182b_126 | No0126 | OJ287 | 3mm_RDBE | o | o | o | x | o | o | o | o | . | x | . | . | o | . | . | . |
| c182b_127 | No0127 | BLLAC | 3mm_RDBE | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| c182b_128 | No0128 | OJ287 | 3mm_RDBE | o | o | o | x | o | o | 68 | 68 | . | x | . | . | 68 | . | . | . |
| c182b_129 | No0129 | BLLAC | 3mm_RDBE | . | . | . | . | . | . | . | . | . | . | . | . | . | 76 | o | o |
| c182b_130 | No0130 | OJ287 | 3mm_RDBE | o | o | o | x | o | o | o | o | . | . | . | . | . | . | . | . |
| c182b_131 | No0131 | OJ287 | 3mm_RDBE | o | o | o | x | o | o | 68 | 68 | 63 | x | 63 | 68 | 68 | . | . | . |
| c182b_132 | No0132 | OJ287 | 3mm_RDBE | o | o | o | x | o | o | 68 | 68 | 63 | x | 63 | 68 | 68 | . | . | . |
| c182b_133 | No0133 | OJ287 | 3mm_RDBE | o | o | o | x | o | o | 59 | 59 | 63 | x | 63 | 59 | 59 | . | . | . |
| c182b_134 | No0134 | OJ287 | 3mm_RDBE | o | o | o | x | o | o | 59 | 59 | 59 | x | 59 | 59 | 59 | . | . | . |
| c182b_135 | No0135 | OJ287 | 3mm_RDBE | o | o | o | x | o | o | 59 | 59 | 59 | x | 59 | 59 | 59 | . | . | . |
| c182b_136 | No0136 | OJ287 | 3mm_RDBE | o | o | o | x | o | o | 59 | 59 | 59 | x | 59 | 59 | 59 | . | . | . |
| c182b_137 | No0137 | OJ287 | 3mm_RDBE | o | o | o | o | o | o | 59 | 59 | 59 | x | 59 | 59 | 59 | . | . | . |
| c182b_138 | No0138 | OJ287 | 3mm_RDBE | o | o | o | o | o | o | 59 | 59 | 59 | x | 59 | 59 | 59 | . | . | . |
| c182b_139 | No0139 | OJ287 | 3mm_RDBE | o | o | o | o | o | o | 59 | 59 | 59 | x | 59 | 59 | 59 | . | . | . |
| c182b_140 | No0140 | OJ287 | 3mm_RDBE | o | o | o | o | o | o | 59 | 59 | 59 | x | 59 | 59 | 59 | . | . | . |
| c182b_141 | No0141 | OJ287 | 3mm_RDBE | o | o | o | o | o | o | 63 | 63 | 72 | x | 72 | 63 | 63 | 72 | . | . |
| c182b_142 | No0142 | OJ287 | 3mm_RDBE | o | . | o | o | o | o | 63 | 63 | 68 | x | 68 | 63 | 63 | 68 | . | . |
| c182b_143 | No0143 | OJ287 | 3mm_RDBE | o | o | o | o | o | o | 63 | 63 | 72 | x | 72 | 63 | 63 | 72 | . | . |
| c182b_144 | No0144 | OJ287 | 3mm_RDBE | o | o | o | o | o | o | 63 | 63 | 72 | x | 72 | 63 | 63 | 72 | . | . |
| c182b_145 | No0145 | 1055+018 | 3mm_RDBE | o | . | o | o | o | . | 63 | 63 | 63 | x | 63 | 63 | 63 | . | . | . |
| c182b_146 | No0146 | OJ287 | 3mm_RDBE | . | o | . | o | o | . | 63 | 63 | 72 | x | 72 | 63 | 63 | 72 | . | . |
| c182b_147 | No0147 | 1055+018 | 3mm_RDBE | . | . | . | . | o | . | 63 | 63 | 63 | x | 63 | 63 | 63 | . | . | . |
| c182b_148 | No0148 | 1510-089 | 3mm_RDBE | o | . | o | . | . | o | . | . | . | . | . | . | . | . | . | . |
| c182b_149 | No0149 | OJ287 | 3mm_RDBE | . | o | . | . | . | . | 73 | 73 | 73 | x | 73 | 73 | 73 | 73 | . | . |
| c182b_150 | No0150 | 1510-089 | 3mm_RDBE | o | . | o | o | o | o | . | . | . | . | . | . | . | . | . | . |
| c182b_151 | No0151 | 1055+018 | 3mm_RDBE | . | . | . | . | . | . | o | o | o | x | o | o | o | . | . | . |
| c182b_152 | No0152 | 1510-089 | 3mm_RDBE | o | . | o | o | o | o | . | . | . | . | . | . | . | . | . | . |
| c182b_153 | No0153 | OJ287 | 3mm_RDBE | . | o | . | . | . | . | o | o | o | x | o | o | o | 73 | . | . |
| c182b_154 | No0154 | 1510-089 | 3mm_RDBE | o | . | o | o | o | o | . | . | . | . | . | . | . | . | . | . |
| c182b_155 | No0155 | 1055+018 | 3mm_RDBE | . | . | . | . | . | . | o | o | o | x | o | o | o | . | . | . |
| c182b_156 | No0156 | 1510-089 | 3mm_RDBE | o | . | o | o | o | o | . | . | . | . | . | . | . | . | . | . |
| c182b_157 | No0157 | OJ287 | 3mm_RDBE | . | o | . | . | . | . | o | o | o | x | o | o | o | . | . | . |
| c182b_158 | No0158 | 1510-089 | 3mm_RDBE | o | . | o | o | o | o | . | . | . | . | . | . | . | . | . | . |
| c182b_159 | No0159 | 1055+018 | 3mm_RDBE | . | . | . | . | . | . | o | o | o | x | o | o | o | . | . | . |
| c182b_160 | No0160 | 1510-089 | 3mm_RDBE | o | . | o | o | o | . | . | . | . | . | . | . | . | . | . | . |
| c182b_161 | No0161 | OJ287 | 3mm_RDBE | . | o | . | . | . | . | o | o | o | x | o | o | o | . | . | . |
| c182b_162 | No0162 | 1510-089 | 3mm_RDBE | o | . | o | o | o | . | . | . | . | . | . | . | . | . | . | . |
| c182b_163 | No0163 | 1055+018 | 3mm_RDBE | . | . | . | . | . | . | o | o | o | x | o | o | o | . | . | . |
| c182b_164 | No0164 | 1510-089 | 3mm_RDBE | o | . | o | o | o | . | . | . | . | . | . | . | . | . | . | . |
| c182b_165 | No0165 | OJ287 | 3mm_RDBE | . | o | . | . | . | . | o | o | o | x | o | o | o | . | . | . |
| c182b_166 | No0166 | 1510-089 | 3mm_RDBE | o | . | o | o | o | . | . | . | . | . | . | . | . | . | . | . |

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|-----------|--------|----------|----------|----|----|---|---|---|---|----|----|----|---|----|----|----|----|----|----|----|---|
| c182b_167 | No0167 | 1055+018 | 3mm_RDBE | . | . | . | . | . | . | o | . | o | x | o | o | o | o | . | . | . | |
| c182b_168 | No0168 | 1510-089 | 3mm_RDBE | o | . | o | o | o | . | . | o | . | . | . | . | . | . | . | . | . | . |
| c182b_169 | No0169 | OJ287 | 3mm_RDBE | . | o | . | . | . | . | . | . | o | x | o | o | o | o | . | . | . | |
| c182b_170 | No0170 | 1510-089 | 3mm_RDBE | o | . | o | o | o | . | o | 68 | . | . | . | . | . | . | . | . | . | |
| c182b_171 | No0171 | 1055+018 | 3mm_RDBE | . | . | . | . | . | . | . | o | . | o | o | . | o | . | . | . | . | |
| c182b_172 | No0172 | 1510-089 | 3mm_RDBE | o | . | o | o | o | . | 68 | 68 | . | x | . | . | o | . | . | . | . | |
| c182b_173 | No0173 | OJ287 | 3mm_RDBE | . | o | . | . | . | . | . | . | o | . | o | o | . | o | o | o | o | |
| c182b_174 | No0174 | 1510-089 | 3mm_RDBE | o | . | . | o | o | . | 68 | 68 | . | x | . | . | 68 | . | . | . | . | |
| c182b_175 | No0175 | 1510-089 | 3mm_RDBE | o | . | . | o | o | . | 63 | 59 | . | x | . | . | 63 | . | . | . | . | |
| c182b_176 | No0176 | 1510-089 | 3mm_RDBE | . | . | . | o | o | . | 63 | 63 | 63 | x | . | 63 | 63 | . | . | . | . | |
| c182b_177 | No0177 | 0716+714 | 3mm_RDBE | o | x | o | . | . | o | . | . | . | . | . | . | . | . | 59 | o | o | o |
| c182b_178 | No0178 | 1510-089 | 3mm_RDBE | . | . | . | o | o | . | 63 | 63 | 63 | x | 63 | 63 | 63 | . | . | . | . | |
| c182b_179 | No0179 | 0836+710 | 3mm_RDBE | o | x | o | . | . | o | . | . | . | . | . | . | . | 63 | 77 | 77 | 77 | |
| c182b_180 | No0180 | 1510-089 | 3mm_RDBE | . | . | . | o | o | . | 63 | 63 | 59 | x | 59 | 63 | 63 | . | . | . | . | |
| c182b_181 | No0181 | 0716+714 | 3mm_RDBE | o | x | o | . | . | o | . | . | . | . | . | . | . | 63 | 77 | 77 | 77 | |
| c182b_182 | No0182 | 1510-089 | 3mm_RDBE | . | . | . | o | o | . | 63 | 63 | 59 | x | 59 | 63 | 63 | . | . | . | . | |
| c182b_183 | No0183 | 0836+710 | 3mm_RDBE | o | x | o | . | . | o | . | . | . | . | . | . | . | 63 | 77 | 77 | 77 | |
| c182b_184 | No0184 | 1510-089 | 3mm_RDBE | . | . | . | . | . | . | 73 | 73 | 70 | x | 70 | 73 | 73 | . | . | . | . | |
| c182b_185 | No0185 | 0716+714 | 3mm_RDBE | o | x | o | o | o | o | . | . | . | . | . | . | . | 63 | 77 | 77 | 77 | |
| c182b_186 | No0186 | 1510-089 | 3mm_RDBE | . | . | . | . | . | . | o | o | o | x | o | o | o | . | . | . | . | |
| c182b_187 | No0187 | 0836+710 | 3mm_RDBE | o | x | o | o | o | o | . | . | . | . | . | . | . | 63 | 77 | 77 | 77 | |
| c182b_188 | No0188 | 1510-089 | 3mm_RDBE | . | . | . | . | . | . | o | o | o | x | o | o | o | . | . | . | . | |
| c182b_189 | No0189 | 0716+714 | 3mm_RDBE | o | x | o | o | o | o | . | . | . | . | . | . | . | 63 | 77 | 77 | 77 | |
| c182b_190 | No0190 | 1510-089 | 3mm_RDBE | . | . | . | . | . | . | o | o | o | x | o | o | o | o | . | . | . | |
| c182b_191 | No0191 | 0836+710 | 3mm_RDBE | o | x | o | o | o | o | . | . | . | . | . | . | . | 77 | 77 | 77 | 77 | |
| c182b_192 | No0192 | 1510-089 | 3mm_RDBE | . | . | . | . | . | . | o | o | o | x | o | o | o | o | . | . | . | |
| c182b_193 | No0193 | 0716+714 | 3mm_RDBE | o | x | o | o | o | o | . | . | . | . | . | . | . | 77 | 77 | 77 | 77 | |
| c182b_194 | No0194 | 1510-089 | 3mm_RDBE | . | . | . | . | . | . | o | o | o | x | o | o | o | o | . | . | . | |
| c182b_195 | No0195 | 0836+710 | 3mm_RDBE | o | x | o | o | o | o | . | . | . | . | . | . | . | 77 | 77 | 77 | 77 | |
| c182b_196 | No0196 | 1510-089 | 3mm_RDBE | . | . | . | . | . | . | o | o | o | x | o | o | o | o | . | . | . | |
| c182b_197 | No0197 | 0716+714 | 3mm_RDBE | o | x | o | o | o | o | . | . | . | . | . | . | . | 77 | 77 | 77 | 77 | |
| c182b_198 | No0198 | 1510-089 | 3mm_RDBE | . | . | . | . | . | . | o | o | o | x | o | o | o | o | . | . | . | |
| c182b_199 | No0199 | 0836+710 | 3mm_RDBE | o | x | o | o | o | o | . | . | . | . | . | . | . | 77 | 77 | 77 | 77 | |
| c182b_200 | No0200 | 1510-089 | 3mm_RDBE | . | . | . | . | . | . | o | o | o | x | o | o | o | o | . | . | . | |
| c182b_201 | No0201 | 0716+714 | 3mm_RDBE | o | x | o | o | o | o | . | . | . | . | . | . | . | 77 | 77 | 77 | 77 | |
| c182b_202 | No0202 | 1510-089 | 3mm_RDBE | . | . | . | . | . | . | o | o | o | x | o | o | o | o | . | . | . | |
| c182b_203 | No0203 | 0836+710 | 3mm_RDBE | o | x | o | o | o | o | . | . | . | . | . | . | . | 77 | 77 | 77 | 77 | |
| c182b_204 | No0204 | 1510-089 | 3mm_RDBE | . | . | . | . | . | . | o | o | o | x | o | o | o | o | . | . | . | |
| c182b_205 | No0205 | 0716+714 | 3mm_RDBE | o | x | o | o | o | o | . | . | . | . | . | . | . | 77 | 77 | 77 | 77 | |
| c182b_206 | No0206 | 1510-089 | 3mm_RDBE | . | . | . | . | . | . | o | o | o | x | o | o | o | o | . | . | . | |
| c182b_207 | No0207 | 3C454.3 | 3mm_RDBE | 93 | 97 | o | o | o | o | . | . | . | . | . | . | . | . | . | . | . | |
| c182b_208 | No0208 | 1510-089 | 3mm_RDBE | . | . | . | . | . | . | o | o | o | x | o | o | o | o | . | . | . | |
| c182b_209 | No0209 | CTA102 | 3mm_RDBE | o | o | o | x | o | o | . | . | . | . | . | . | . | . | . | . | . | |
| c182b_210 | No0210 | 1510-089 | 3mm_RDBE | . | . | . | . | . | . | o | o | o | x | o | o | o | o | . | . | . | |
| c182b_211 | No0211 | 3C454.3 | 3mm_RDBE | 40 | o | o | x | o | o | . | . | . | . | . | . | . | . | . | . | . | |
| c182b_212 | No0212 | 1510-089 | 3mm_RDBE | . | . | . | . | . | . | o | o | o | x | o | o | o | o | . | . | . | |
| c182b_213 | No0213 | CTA102 | 3mm_RDBE | o | o | o | x | o | o | . | . | . | . | . | . | . | . | . | . | . | |
| c182b_214 | No0214 | 1510-089 | 3mm_RDBE | . | . | . | . | . | . | o | o | o | x | o | o | o | x | . | . | . | |
| c182b_215 | No0215 | 3C454.3 | 3mm_RDBE | o | o | o | x | o | o | . | . | . | . | . | . | . | . | . | . | . | |
| c182b_216 | No0216 | 1510-089 | 3mm_RDBE | . | . | . | . | . | . | o | . | o | x | o | o | o | o | . | . | . | |

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|-----------|--------|----------|----------|---|---|---|---|---|---|----|----|----|---|----|----|----|----|---|---|---|---|---|
| c182b_217 | No0217 | CTA102 | 3mm_RDBE | o | o | o | x | o | o | . | o | . | . | . | . | . | . | . | . | . | . | . |
| c182b_218 | No0218 | 1510-089 | 3mm_RDBE | . | . | . | . | . | . | o | . | o | x | o | o | o | o | . | . | . | . | . |
| c182b_219 | No0219 | 3C454.3 | 3mm_RDBE | o | o | o | x | o | o | . | 62 | . | . | . | . | . | . | . | . | . | . | . |
| c182b_220 | No0220 | 1510-089 | 3mm_RDBE | . | . | . | . | . | . | o | . | o | x | o | o | o | o | . | . | . | . | . |
| c182b_221 | No0221 | CTA102 | 3mm_RDBE | o | o | o | x | o | o | . | 62 | . | . | . | . | . | . | . | . | . | . | . |
| c182b_222 | No0222 | 1510-089 | 3mm_RDBE | . | . | . | . | . | . | o | . | o | x | o | o | o | o | . | . | . | . | . |
| c182b_223 | No0223 | 3C454.3 | 3mm_RDBE | o | o | o | x | o | o | . | 62 | . | . | . | . | . | . | . | . | . | . | . |
| c182b_224 | No0224 | 1510-089 | 3mm_RDBE | . | . | . | . | . | . | . | . | o | x | o | o | o | o | . | . | . | . | . |
| c182b_225 | No0225 | CTA102 | 3mm_RDBE | o | o | o | x | o | o | o | 62 | . | . | . | . | . | . | . | . | . | . | . |
| c182b_226 | No0226 | 1510-089 | 3mm_RDBE | . | . | . | . | . | . | . | . | o | . | o | o | . | o | . | . | . | . | . |
| c182b_227 | No0227 | 3C454.3 | 3mm_RDBE | o | o | o | x | o | o | 66 | 66 | . | x | . | . | o | . | . | . | . | . | . |
| c182b_228 | No0228 | 1510-089 | 3mm_RDBE | . | . | . | . | . | . | . | . | o | . | o | o | . | o | . | . | . | . | . |
| c182b_229 | No0229 | CTA102 | 3mm_RDBE | o | o | o | x | o | o | 62 | 62 | . | x | . | . | 62 | . | . | . | . | . | . |
| c182b_230 | No0230 | 3C454.3 | 3mm_RDBE | o | o | o | x | o | o | 66 | 66 | o | x | o | o | 66 | . | . | . | . | . | . |
| c182b_231 | No0231 | CTA102 | 3mm_RDBE | o | o | o | x | o | o | 62 | 62 | 62 | x | 62 | 62 | 62 | . | . | . | . | . | . |
| c182b_232 | No0232 | 3C454.3 | 3mm_RDBE | o | o | o | x | o | o | 66 | 66 | 66 | x | 66 | 66 | 66 | . | . | . | . | . | . |
| c182b_233 | No0233 | CTA102 | 3mm_RDBE | o | o | o | x | o | o | 62 | 62 | 62 | x | 62 | 62 | 62 | . | . | . | . | . | . |
| c182b_234 | No0234 | 3C454.3 | 3mm_RDBE | o | o | o | x | o | o | 66 | 66 | 66 | x | 66 | 66 | 66 | . | . | . | . | . | . |
| c182b_235 | No0235 | CTA102 | 3mm_RDBE | o | o | o | x | o | o | 62 | 62 | 62 | x | 62 | 62 | 62 | . | . | . | . | . | . |
| c182b_236 | No0236 | 3C454.3 | 3mm_RDBE | o | o | o | x | o | o | 66 | 66 | 62 | x | 62 | 66 | 66 | . | . | . | . | . | . |
| c182b_237 | No0237 | CTA102 | 3mm_RDBE | o | o | o | x | o | o | 62 | 62 | 62 | x | 62 | 62 | 62 | . | . | . | . | . | . |
| c182b_238 | No0238 | 3C454.3 | 3mm_RDBE | o | o | o | x | o | o | 66 | 66 | 66 | x | 66 | 66 | 66 | 66 | . | . | . | . | . |
| c182b_239 | No0239 | 3C454.3 | 3mm_RDBE | o | o | o | x | o | . | 66 | 66 | 66 | x | 66 | 66 | 66 | 66 | . | . | . | . | . |
| c182b_240 | No0240 | 3C454.3 | 3mm_RDBE | o | o | o | x | o | . | 66 | 66 | 66 | x | 66 | 66 | 66 | 66 | . | . | . | . | . |
| c182b_241 | No0241 | 3C454.3 | 3mm_RDBE | . | o | . | x | o | . | 66 | 66 | 66 | x | 66 | 66 | 66 | 66 | . | . | . | . | . |
| c182b_242 | No0242 | CTA102 | 3mm_RDBE | . | o | . | . | . | . | 73 | 73 | 73 | x | 73 | 73 | 73 | 73 | . | . | . | . | . |
| c182b_243 | No0243 | 0420-014 | 3mm_RDBE | o | . | o | x | o | o | . | . | . | . | . | . | . | . | . | . | . | . | . |
| c182b_244 | No0244 | 3C454.3 | 3mm_RDBE | . | . | . | . | . | . | o | o | o | x | o | o | o | o | . | . | . | . | . |
| c182b_245 | No0245 | 3C120 | 3mm_RDBE | o | o | o | x | o | o | . | . | . | . | . | . | . | . | . | . | . | . | . |
| c182b_246 | No0246 | CTA102 | 3mm_RDBE | . | o | . | . | . | . | o | o | o | x | o | o | o | o | . | . | . | . | . |
| c182b_247 | No0247 | 0420-014 | 3mm_RDBE | o | . | o | x | o | o | . | . | . | . | . | . | . | . | . | . | . | . | . |
| c182b_248 | No0248 | 3C454.3 | 3mm_RDBE | . | . | . | . | . | . | o | o | o | x | o | o | o | o | . | . | . | . | . |
| c182b_249 | No0249 | 3C120 | 3mm_RDBE | o | o | o | x | o | o | . | . | . | . | . | . | . | . | . | . | . | . | . |
| c182b_250 | No0250 | CTA102 | 3mm_RDBE | . | o | . | . | . | . | o | o | o | x | o | o | o | o | . | . | . | . | . |
| c182b_251 | No0251 | 0420-014 | 3mm_RDBE | o | . | o | x | o | o | . | . | . | . | . | . | . | . | . | . | . | . | . |
| c182b_252 | No0252 | 3C454.3 | 3mm_RDBE | . | . | . | . | . | . | o | o | o | x | o | o | o | o | . | . | . | . | . |
| c182b_253 | No0253 | 3C120 | 3mm_RDBE | o | o | o | x | o | o | . | . | . | . | . | . | . | . | . | . | . | . | . |
| c182b_254 | No0254 | CTA102 | 3mm_RDBE | . | o | . | . | . | . | o | o | o | x | o | o | o | o | . | . | . | . | . |
| c182b_255 | No0255 | 0420-014 | 3mm_RDBE | o | . | o | x | o | o | . | . | . | . | . | . | . | . | . | . | . | . | . |
| c182b_256 | No0256 | 3C454.3 | 3mm_RDBE | . | . | . | . | . | . | o | o | o | x | o | o | o | o | . | . | . | . | . |
| c182b_257 | No0257 | 3C120 | 3mm_RDBE | o | o | o | x | o | o | . | . | . | . | . | . | . | . | . | . | . | . | . |
| c182b_258 | No0258 | CTA102 | 3mm_RDBE | . | o | . | . | . | . | o | o | o | x | o | o | o | o | . | . | . | . | . |
| c182b_259 | No0259 | 0420-014 | 3mm_RDBE | o | . | o | x | o | o | . | . | . | . | . | . | . | . | . | . | . | . | . |
| c182b_260 | No0260 | 3C454.3 | 3mm_RDBE | . | . | . | . | . | . | . | . | o | x | o | o | o | o | . | . | . | . | . |
| c182b_261 | No0261 | 3C120 | 3mm_RDBE | o | o | o | x | o | o | o | o | . | . | . | . | . | . | . | . | . | . | . |
| c182b_262 | No0262 | 3C454.3 | 3mm_RDBE | . | . | . | . | . | . | . | . | o | . | o | o | . | 73 | . | . | . | . | . |
| c182b_263 | No0263 | 0420-014 | 3mm_RDBE | o | o | o | x | o | o | 66 | 66 | . | x | . | . | o | . | . | . | . | . | . |
| c182b_264 | No0264 | 3C120 | 3mm_RDBE | o | o | o | x | o | o | 62 | 62 | o | x | . | o | 62 | . | . | . | . | . | . |
| c182b_265 | No0265 | 0420-014 | 3mm_RDBE | o | o | o | x | o | . | 66 | 66 | 66 | x | 66 | 66 | 66 | . | . | . | . | . | . |
| c182b_266 | No0266 | 3C120 | 3mm_RDBE | o | o | o | x | o | . | 62 | 62 | 62 | x | 62 | 62 | 62 | . | . | . | . | . | . |

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|-----------|--------|----------|----------|---|---|---|---|---|---|----|----|----|---|----|----|----|---|---|---|---|
| c182b_267 | No0267 | 0420-014 | 3mm_RDBE | o | o | o | x | o | . | 66 | 66 | 66 | x | 66 | 66 | 66 | . | . | . | . |
| c182b_268 | No0268 | 3C120 | 3mm_RDBE | o | o | o | x | o | . | 62 | 62 | 62 | x | 62 | 62 | 62 | . | . | . | . |
| c182b_269 | No0269 | 0420-014 | 3mm_RDBE | . | . | . | x | o | . | 66 | 66 | 66 | x | 66 | 66 | 66 | . | . | . | . |
| c182b_270 | No0270 | 3C120 | 3mm_RDBE | o | o | . | x | o | . | 62 | 62 | 62 | x | 62 | 62 | 62 | . | . | . | . |
| c182b_271 | No0271 | 0420-014 | 3mm_RDBE | . | . | . | x | o | . | 66 | 66 | 66 | x | 66 | 66 | 66 | . | . | . | . |
| c182b_272 | No0272 | 3C120 | 3mm_RDBE | . | o | . | x | o | . | x | x | x | x | x | x | x | . | . | . | . |