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**	Fringe overview of all baselines (all of C182B) including this antenna in LL (left for each baseline) and RR (right for each baseline). 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 exremely large single-band delay, > 0.1us) c182b_SBD_RfAnt_Ef_LLRR_AllSrc.pdf Examples of fourfit fringe plots: 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. c182b_No0002_1055+018_BY_RL.pdf, c182b_No0002_1055+018_BY_RR.pdf, no LL or LR fringes. 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. 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. 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. c182b_No0239_3C454.3_bB_LL.pdf, c182b_No0239_3C454.3_bB_RR.pdf, no LR or RL fringes.	

Station	Code	Fringes	Plots	Comments
			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. c182b_No0239_3C454.3_Bk_LL.pdf, c182b_No0239_3C454.3_Bk_RR.pdf, no LR or RL fringes. c182b_No0239_3C454.3_Bl_LL.pdf, c182b_No0239_3C454.3_Bl_RR.pdf, no LR or RL fringes. c182b_No0239_3C454.3_Bm_LL.pdf, c182b_No0239_3C454.3_Bm_RR.pdf, no LR or RL fringes c182b_No0239_3C454.3_Bn_LL.pdf, c182b_No0239_3C454.3_Bn_RR.pdf, no LR or RL fringes. c182b_No0239_3C454.3_Bo_LL.pdf, c182b_No0239_3C454.3_Bo_RR.pdf, no LR or RL fringes. Same for all antennas below unless otherwise noted.	
On	X	**yes**	c182b_SBD_RfAnt_On_LLRR_AllSrc.pdf 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.	
Ys	Y	**yes**	c182b_SBD_RfAnt_Ys_LLRR_AllSrc.pdf c182b_No0002_1055+018_BY_RL.pdf, c182b_No0002_1055+018_BY_RR.pdf, no LL or LR fringes.	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**	c182b_SBD_RfAnt_Mh_LLRR_AllSrc.pdf 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. 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.	
Pv	P	**yes**	c182b_SBD_RfAnt_Pv_LLRR_AllSrc.pdf 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.	

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 recontruct 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

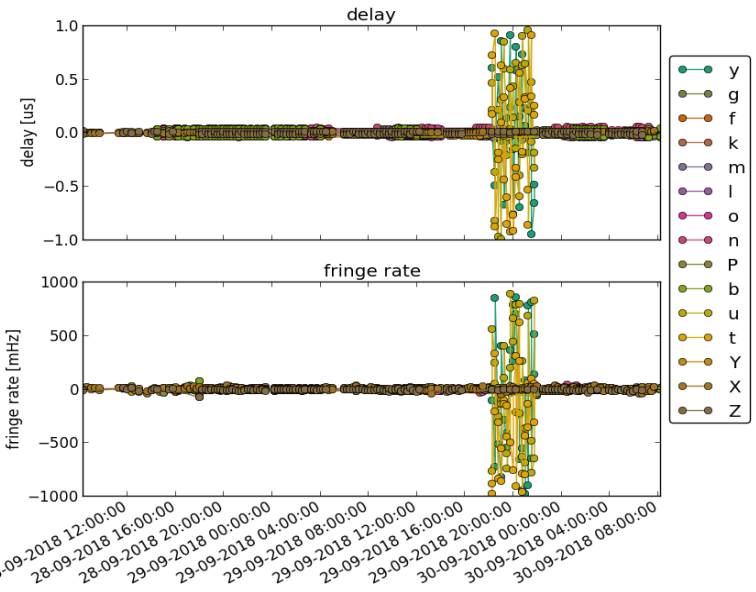
All VLBA antennas are affected by the same problem (probably originating in the control software) during the whole session: for a significant portion of scans the recording starts several seconds or even few minutes late compared with the schedule. This results in effective reduction of observing time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

For some reason fourfit finds a fringe for every baseline including a KVN antenna. We are stiil 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):



Delays statistics

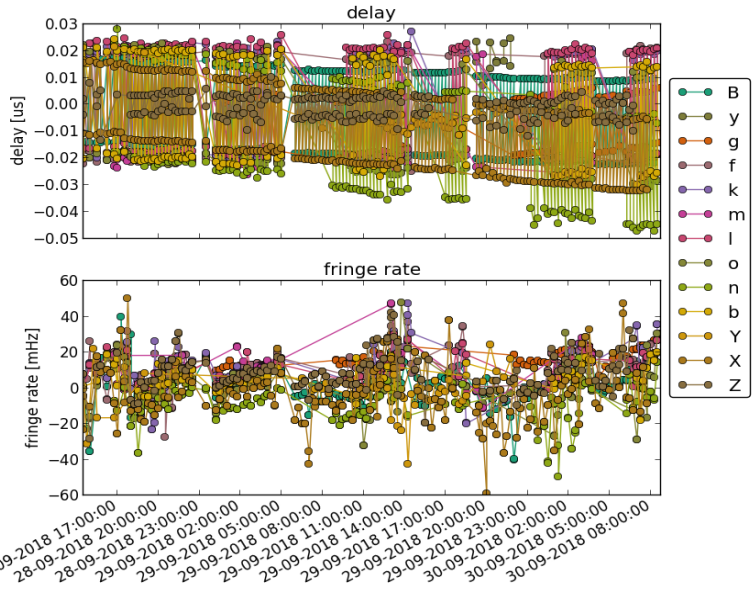
st	#pts	mean	std. dev
y	28	+0.0374	0.514795
g	129	+0.0026	0.025930
f	154	-0.0018	0.035487
k	141	-0.0023	0.035252
m	28	+0.0049	0.035727
l	155	-0.0029	0.035187
o	118	+0.0081	0.035112
n	146	+0.0083	0.036245
P	293	-0.0031	0.015684
b	108	+0.0006	0.035591
u	30	+0.1470	0.515485
t	30	-0.1021	0.560717
Y	33	-0.0086	0.015382
X	326	+0.0053	0.004942
Z	211	-0.0004	0.011960

Fringe rate statistics

st	#pts	mean	std. dev
y	28	-63.3179	606.812441
g	129	-12.9522	7.453885
f	154	-5.5009	8.297921
k	141	-4.6085	9.408933
m	28	-4.0351	5.699788
l	155	-2.7637	5.948776
o	118	+3.9830	9.333484
n	146	+11.3952	8.471799
P	293	+2.5411	9.854960
b	108	+1.6758	11.041218
u	30	+8.9277	531.835877
t	30	-322.7450	433.777805
Y	33	-0.0822	7.301819
X	326	+5.4430	14.037258
Z	211	-6.6197	9.819293

Reference station: B | Pol: RR,LL

PV:



Delays statistics

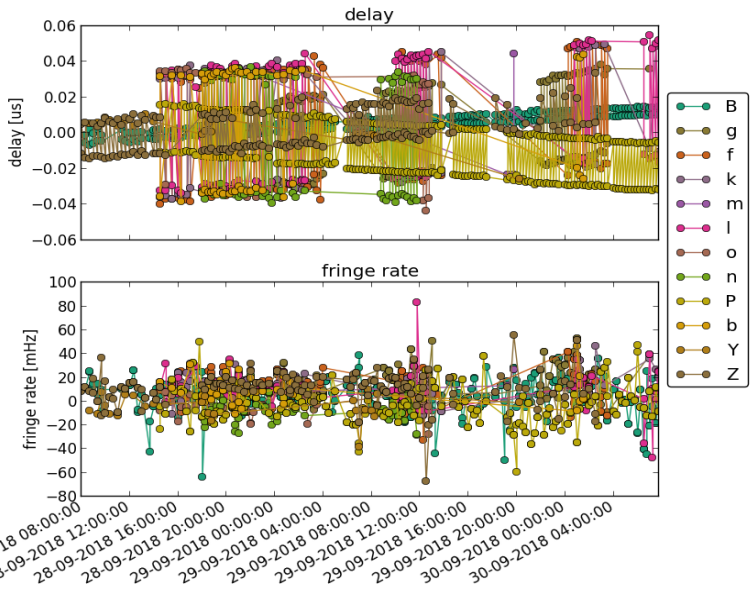
st	#pts	mean	std. dev
B	293	-0.0031	0.015684
y	11	+0.0175	0.005128
g	153	-0.0074	0.010452
f	186	-0.0007	0.019965
k	161	+0.0004	0.019856
m	50	-0.0029	0.020839
l	174	+0.0015	0.019764
o	150	-0.0046	0.020401
n	187	-0.0116	0.022001
b	137	-0.0023	0.020225
Y	45	-0.0030	0.008429
X	287	-0.0088	0.014748
Z	224	-0.0008	0.004160

Fringe rate statistics

st	#pts	mean	std. dev
B	293	+2.5411	9.854960
y	11	-3.1360	2.910047
g	153	+16.5344	4.944501
f	186	+12.3404	8.897238
k	161	+10.7529	11.149693
m	50	+16.9336	11.255040
l	174	+9.5635	7.666755
o	150	+0.4658	11.983609
n	187	-8.2300	10.332592
b	137	+5.6895	7.540400
Y	45	-2.5354	12.086649
X	287	-3.0304	15.172674
Z	224	+8.1643	10.094005

Reference station: P | Pol: RR,LL

ON:




```
Delays statistics
st #pts mean    std. dev
B  326   +0.0053 0.004942
g  111   +0.0027 0.024353
f  114   +0.0059 0.034068
k  97    +0.0049 0.033765
m  05    -0.0007 0.032510
l  100   +0.0085 0.033352
o  48    +0.0155 0.029211
n  66    -0.0037 0.033542
P  287    -0.0088 0.014748
b  53    +0.0043 0.033157
Y  25    +0.0015 0.006923
Z  178   +0.0026 0.010893
```

```
Fringe rate statistics
st #pts mean    std. dev
B  326   +5.4430 14.037258
g  111   +19.7447 12.896148
f  114   +12.4083 12.508928
k  97    +11.8987 11.530122
m  05    +16.7146 8.667692
l  100   +11.5631 14.176620
o  48    -2.4381 9.777085
n  66    -6.1541 10.962870
P  287    -3.0304 15.172674
b  53    +9.4716 10.837341
Y  25    -5.3921 9.688117
Z  178   +11.0383 12.883913
```

Reference station: X | Pol: RR,LL

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
```

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	.	.	.	.	.	.	.	.	.	.	.

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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  .  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .
c182b_118 No0118    BLLAC 3mm_RDBE .  o  .  .  .  .  o  .  o  x  o  o  o  o  o  o  o
c182b_119 No0119    OJ287 3mm_RDBE o  .  o  x  o  o  .  o  .  .  .  .  .  .  .  .  .
c182b_120 No0120    BLLAC 3mm_RDBE .  .  .  .  .  .  o  .  o  x  o  o  o  o  o  o  o
c182b_121 No0121    OJ287 3mm_RDBE o  90 o  x  o  o  .  68 .  .  .  .  .  .  .  .  .
c182b_122 No0122    BLLAC 3mm_RDBE .  .  .  .  .  .  o  .  o  x  o  o  o  o  o  o  o
c182b_123 No0123    OJ287 3mm_RDBE o  o  o  x  o  o  .  63 .  .  .  .  .  .  .  .  .
c182b_124 No0124    BLLAC 3mm_RDBE .  .  .  .  .  .  o  .  o  x  o  o  o  o  o  o  o
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 .  .  .  .  .  .  .  .  o  .  o  o  .  o  o  o  o
c182b_128 No0128    OJ287 3mm_RDBE o  o  o  x  o  o  68 68 .  x  .  .  68 .  .  .  .
c182b_129 No0129    BLLAC 3mm_RDBE .  .  .  .  .  .  .  .  o  .  o  o  .  76 o  o  o
c182b_130 No0130    OJ287 3mm_RDBE o  o  o  x  o  o  o  o  o  x  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  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  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  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  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  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  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  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
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
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
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
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
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
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
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
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  .  .  .  .
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