C172C Correlation Report

General information

- Session info: http://www3.mpifr-bonn.mpg.de/div/vlbi/globalmm/
- Station feedback: http://www3.mpifr-bonn.mpg.de/div/vlbi/globalmm/sessions/sep17/feedback_sep17.asc
- C172C consists of only one subproject: MM012.
- Initial correlation was started with all stations and done up to and including scan No0126, second correlation (fixing Effelsberg incorrect channel order) was done without Mh and the KVN stations due to local cluster data loss and these stations having deleted their own copies of the data. Final version is a combination of these two correlations, with non-Ef baselines taken from the initial unfinished correlation and Ef baselines -- from the later one with Mh and the KVN stations missing. Thus there are no Ef-Mh baseline, and Mh is only present up to and incuding scan No0124. Since the KVN stations were starting later in the experiment than scan No0126, they were lost completely.

Fringes

Station	Code	Fringes	Plots	Comments
Ef	B	**yes**	Fringe overview of all baselines including Ef in LL (left for each baseline) and RR (right for each baseline). Legend: white - scheduled, but no data, blue - no fringe, red-green - fringes of different quality. D -- fourfit error, in this case due to mixing upper and lower subbands in the KVN compatibility mode, no real problem with the data. c172c_FRINGE_RfAnt_Ef_LLRR_AllSrc.pdf Examples of fourfit fringe plots: EfGb, all pols: c172c_No0016_BLLAC_BG_LL.pdf, c172c_No0016_BLLAC_BG_LR.pdf, c172c_No0016_BLLAC_BG_RL.pdf, c172c_No0016_BLLAC_BG_RR.pdf EfGb, all pols, different source and time of the session: c172c_No0206_3C345_BG_LL.pdf, c172c_No0206_3C345_BG_LR.pdf, c172c_No0206_3C345_BG_RL.pdf, c172c_No0206_3C345_BG_RR.pdf EfPt, all pols: c172c_No0243_CTA102_Bp_LL.pdf, c172c_No0243_CTA102_Bp_LR.pdf, c172c_No0243_CTA102_Bp_RL.pdf, c172c_No0243_CTA102_Bp_RR.pdf	See general info about the missing Ef-Mh baseline. Effelsberg recorded with DBBC (Ef) and RDBE (Eb), but only Ef was correlated. Weather: very cloudy to overcast, some rain
On	X	**yes**	Fringe overview (see Ef for explanations): c172c_FRINGE_RfAnt_On_LLRR_AllSrc.pdf Examples of fourfit fringe plots: EfOn, all pols:	See station feedback for detailed comments.

Station	Code	Fringes	Plots	Comments
			c172c_No0007_3C454.3_BX_LL.pdf, c172c_No0007_3C454.3_BX_LR.pdf, c172c_No0007_3C454.3_BX_RL.pdf, c172c_No0007_3C454.3_BX_RR.pdf GbOn, all pols: c172c_No0340_OJ287_GX_LL.pdf, c172c_No0340_OJ287_GX_LR.pdf, c172c_No0340_OJ287_GX_RL.pdf, c172c_No0340_OJ287_GX_RR.pdf	
Ys	Y	**yes**	Fringe overview (see Ef for explanations): c172c_FRINGE_RfAnt_Ys_LLRR_AllSrc.pdf Examples of fourfit fringe plots: EfYs, all pols: c172c_No0198_3C345_BY_LL.pdf, c172c_No0198_3C345_BY_LR.pdf, c172c_No0198_3C345_BY_RL.pdf, c172c_No0198_3C345_BY_RR.pdf PtYs, LL and LR only: c172c_No0026_BLLAC_pY_LL.pdf, c172c_No0026_BLLAC_pY_LR.pdf	As usual, Ys observed LCP only, but it was also recorded as fake RCP, that's why there are common Ys "right" to other antenna's left fringes. Possible problems by the end of the experiment.
Mh	Z	**yes**	Fringe overview (see Ef for explanations): c172c_FRINGE_RfAnt_Mh_LLRR_AllSrc.pdf Examples of fourfit fringe plots: MhPv, all pols: c172c_No0114_1055+018_ZP_LL.pdf, c172c_No0114_1055+018_ZP_LR.pdf, c172c_No0114_1055+018_ZP_RL.pdf, c172c_No0114_1055+018_ZP_RR.pdf GbMh, || pols: c172c_No0031_BLLAC_GZ_LL.pdf, c172c_No0031_BLLAC_GZ_RR.pdf	Present only up to scan No0124, see general info.
Gb	G	**yes**	Fringe overview (see Ef for explanations): c172c_FRINGE_RfAnt_Gb_LLRR_AllSrc.pdf Examples of fourfit fringe plots: GbNl, all pols: c172c_No0031_BLLAC_Gn_LL.pdf, c172c_No0031_BLLAC_Gn_LR.pdf, c172c_No0031_BLLAC_Gn_RL.pdf, c172c_No0031_BLLAC_Gn_RR.pdf GbOn, all pols:	See station feedback for detailed comments.

Station	Code	Fringes	Plots	Comments
			c172c_No0231_3C454.3_GX_LL.pdf, c172c_No0231_3C454.3_GX_LR.pdf, c172c_No0231_3C454.3_GX_RL.pdf, c172c_No0231_3C454.3_GX_RR.pdf	
Pv	P	**yes**	Fringe overview (see Ef for explanations): c172c_FRINGE_RfAnt_Pv_LLRR_AllSrc.pdf Examples of fourfit fringe plots: EfPv, all pols: c172c_No0174_3C345_BP_LL.pdf, c172c_No0174_3C345_BP_LR.pdf, c172c_No0174_3C345_BP_RL.pdf, c172c_No0174_3C345_BP_RR.pdf PtPv, all pols: c172c_No0264_3C454.3_pP_LL.pdf, c172c_No0264_3C454.3_pP_LR.pdf, c172c_No0264_3C454.3_pP_RL.pdf, c172c_No0264_3C454.3_pP_RR.pdf	For a significant part of the experiment very cloudy to overcast. PWV ~10mm by the end of the experiment.
Br	b	**yes**	Fringe overview (see Ef for explanations): c172c_FRINGE_RfAnt_Br_LLRR_AllSrc.pdf Examples of fourfit fringe plots: BrEf, all pols: c172c_No0238_CTA102_bB_LL.pdf, c172c_No0238_CTA102_bB_LR.pdf, c172c_No0238_CTA102_bB_RL.pdf, c172c_No0238_CTA102_bB_RR.pdf BrKp, all pols: c172c_No0264_3C454.3_bk_LL.pdf, c172c_No0264_3C454.3_bk_LR.pdf, c172c_No0264_3C454.3_bk_RL.pdf, c172c_No0264_3C454.3_bk_RR.pdf	
Fd	f	**yes**	Fringe overview (see Ef for explanations): c172c_FRINGE_RfAnt_Fd_LLRR_AllSrc.pdf Examples of fourfit fringe plots: FdGb, all pols: c172c_No0473_1510-089_fG_LL.pdf, c172c_No0473_1510-089_fG_LR.pdf, c172c_No0473_1510-089_fG_RL.pdf, c172c_No0473_1510-089_fG_RR.pdf FdLa, || pols: c172c_No0452_1510-089_fl_LL.pdf, c172c_No0452_1510-089_fl_RR.pdf	For the most part of the experiment communications were out and antenna was not properly pointed. Only the last several scans (beginning with No0438) are good. LCP Tsys higher than RCP.

Station	Code	Fringes	Plots	Comments
Kp	k	**yes**	Fringe overview (see Ef for explanations): c172c_FRINGE_RfAnt_Kp_LLRR_AllSrc.pdf Examples of fourfit fringe plots: EfKp, || pols: c172c_No0233_CTA102_Bk_LL.pdf, c172c_No0233_CTA102_Bk_RR.pdf KpOv, all pols: c172c_No0264_3C454.3_ko_LL.pdf, c172c_No0264_3C454.3_ko_LR.pdf, c172c_No0264_3C454.3_ko_RL.pdf, c172c_No0264_3C454.3_ko_RR.pdf	Commercial power outage for several scans (No0435 - No0452), antenna stowed.
La	l	**yes**	Fringe overview (see Ef for explanations): c172c_FRINGE_RfAnt_La_LLRR_AllSrc.pdf Examples of fourfit fringe plots: EfLa, all pols: c172c_No0238_CTA102_Bl_LL.pdf, c172c_No0238_CTA102_Bl_LR.pdf, c172c_No0238_CTA102_Bl_RL.pdf, c172c_No0238_CTA102_Bl_RR.pdf LaPt, all pols: c172c_No0097_3C120_lp_LL.pdf, c172c_No0097_3C120_lp_LR.pdf, c172c_No0097_3C120_lp_RL.pdf, c172c_No0097_3C120_lp_RR.pdf	Some rain (~274d00h12m)
Mk	m	**yes**	Fringe overview (see Ef for explanations): c172c_FRINGE_RfAnt_Mk_LLRR_AllSrc.pdf Examples of fourfit fringe plots: EfMk, || pols: c172c_No0203_3C345_Bm_LL.pdf, c172c_No0203_3C345_Bm_RR.pdf GbMk, all pols: c172c_No0281_CTA102_Gm_LL.pdf, c172c_No0281_CTA102_Gm_LR.pdf, c172c_No0281_CTA102_Gm_RL.pdf, c172c_No0281_CTA102_Gm_RR.pdf	Taken out for a few scans because of USNO observing.
Nl	n	**yes**	Fringe overview (see Ef for explanations): c172c_FRINGE_RfAnt_Nl_LLRR_AllSrc.pdf	

Station	Code	Fringes	Plots	Comments
			Examples of fourfit fringe plots: NlOn, all pols: c172c_No0238_CTA102_nX_LL.pdf, c172c_No0238_CTA102_nX_LR.pdf, c172c_No0238_CTA102_nX_RL.pdf, c172c_No0238_CTA102_nX_RR.pdf NlOv, || pols: c172c_No0097_3C120_no_LL.pdf, c172c_No0097_3C120_no_RR.pdf	
Ov	o	**yes**	Fringe overview (see Ef for explanations): /c172c_FRINGE_RfAnt_Ov_LLRR_AllSrc.pdf Examples of fourfit fringe plots: GbOv, all pols: c172c_No0046_BLLAC_Go_LL.pdf, c172c_No0046_BLLAC_Go_LR.pdf, c172c_No0046_BLLAC_Go_RL.pdf, c172c_No0046_BLLAC_Go_RR.pdf LaOv, all pols: c172c_No0189_3C345_lo_LL.pdf, c172c_No0189_3C345_lo_LR.pdf, c172c_No0189_3C345_lo_RL.pdf, c172c_No0189_3C345_lo_RR.pdf	High RCP Tsys
Pt	p	**yes**	Fringe overview (see Ef for explanations): c172c_FRINGE_RfAnt_Pt_LLRR_AllSrc.pdf Examples of fourfit fringe plots: GbPt, all pols: c172c_No0046_BLLAC_Gp_LL.pdf, c172c_No0046_BLLAC_Gp_LR.pdf, c172c_No0046_BLLAC_Gp_RL.pdf, c172c_No0046_BLLAC_Gp_RR.pdf EfPt, all pols: c172c_No0243_CTA102_Bp_LL.pdf, c172c_No0243_CTA102_Bp_LR.pdf, c172c_No0243_CTA102_Bp_RL.pdf, c172c_No0243_CTA102_Bp_RR.pdf	Taken out for several scans because of USNO observing.
KVN: Kt, Ku, Ky	t, u, y	**yes**	-	There were some fringes found during the pre-correlation clock search, but due to the local cluster data loss and the stations deleting their own copies of the data (see the General Information above), no KVN data was included in the final correlation product.

Notes

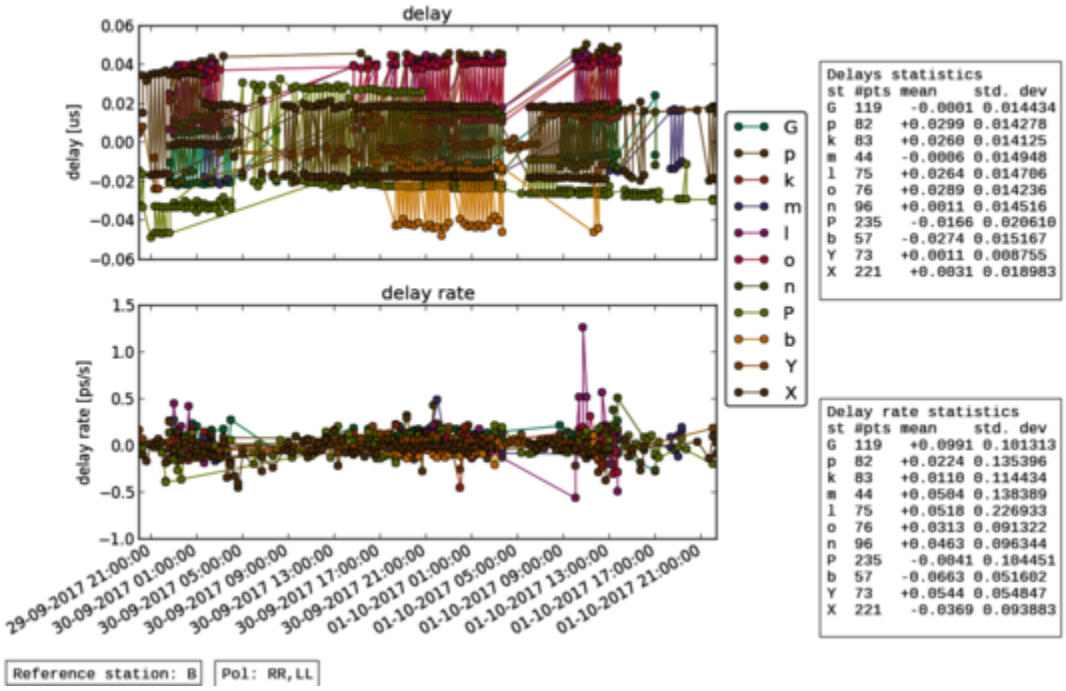
Precorrelation

- OV - in the beginning only two modules (JOD+0090 JOD+0096) arrived, containing scans up to No0232, 10nov17 P. Perley confirmed a third OV module was found and it was sent to MPIfR.
- KVN : some fringes inside KVN within +-32usec and +-1sec; station positions and freq setup appear correct
- KVN Ky : transferred files are those of Ulsan rather than Yonsei (retransferred)
- KVN Kt : no fringes (asked for operator log files, the automatic log files show no error)

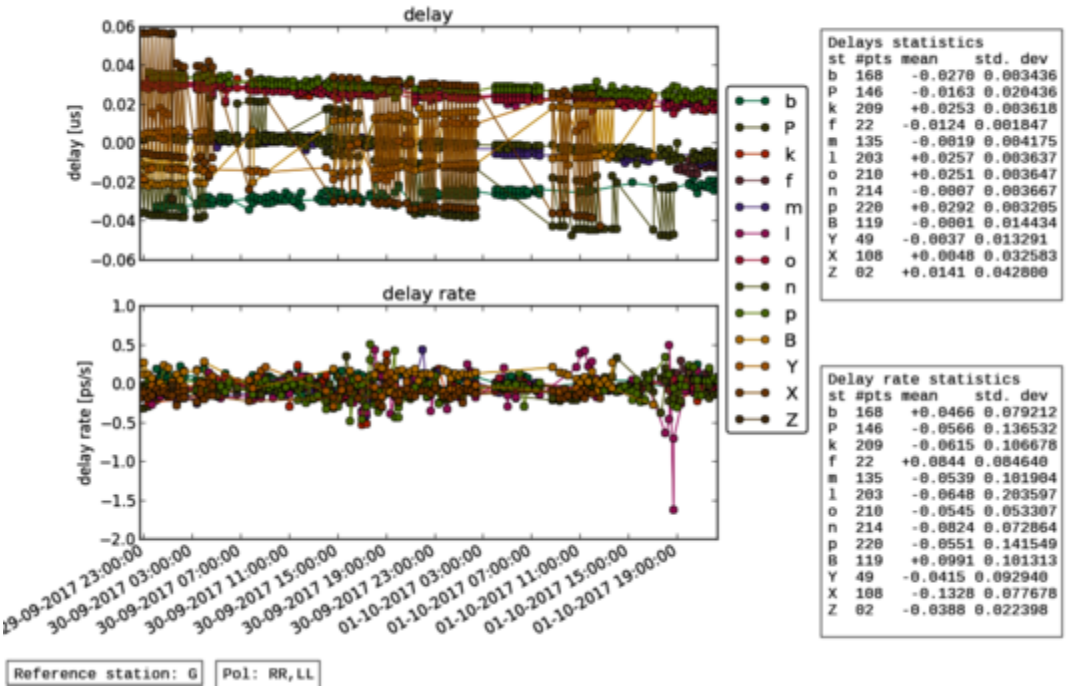
Post-Correlation checks

Residuals

Reference B (Ef), RR and LL:



Reference G (Gb), RR and LL:



Delays statistics

st	#pts	mean	std. dev
b	168	-0.0270	0.083436
P	146	-0.0163	0.020436
k	209	+0.0253	0.083618
f	22	-0.0124	0.001847
m	135	-0.0019	0.084175
l	203	+0.0257	0.083637
o	210	+0.0251	0.083647
n	214	-0.0007	0.083667
p	220	+0.0292	0.083205
B	119	-0.0001	0.014434
Y	49	-0.0037	0.013291
X	108	+0.0048	0.032583
Z	02	+0.0141	0.042800

Delay rate statistics

st	#pts	mean	std. dev
b	168	+0.0466	0.079212
P	146	-0.0566	0.136532
k	209	-0.0615	0.106678
f	22	+0.0844	0.084640
m	135	-0.0539	0.181904
l	203	-0.0648	0.203597
o	210	-0.0545	0.053307
n	214	-0.0824	0.072864
p	220	-0.0551	0.141549
B	119	+0.0991	0.101313
Y	49	-0.0415	0.092940
X	108	-0.1328	0.077678
Z	02	-0.0388	0.022398

FITS completeness (pclist)

			EB	EF	ON	YS	PV	MH	GB	FD	NL	OV	PT	BR	KP	LA	MK	KY	KU	KT
No0001	BLLAC	3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.
No0002	BLLAC	3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.
No0003	BLLAC	3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.
No0004	BLLAC	3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.
No0005	BLLAC	3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.
No0006	3C454.3	3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.
No0007	3C454.3	3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.
No0008	BLLAC	3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.
No0009	BLLAC	3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.
No0010	BLLAC	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.
No0011	BLLAC	3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.	.
No0012	BLLAC	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	.	.	.	.
No0013	BLLAC	3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.	.
No0014	BLLAC	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	.	.	.	.
No0015	BLLAC	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.
No0016	BLLAC	3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.	.
No0017	BLLAC	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	.	.	.	.
No0018	BLLAC	3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.	.
No0019	BLLAC	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	.	.	.	.
No0020	BLLAC	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.
No0021	BLLAC	3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.	.
No0022	BLLAC	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	.	.	.	.
No0023	BLLAC	3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.	.
No0024	BLLAC	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	.	.	.	.
No0025	BLLAC	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.
No0026	BLLAC	3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.	.

No0027	BLLAC 3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	.	.	.	.
No0028	BLLAC 3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.	.
No0029	BLLAC 3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	.	.	.	.
No0030	BLLAC 3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.
No0031	BLLAC 3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.	.
No0032	BLLAC 3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.
No0033	BLLAC 3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.
No0034	BLLAC 3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.
No0035	BLLAC 3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.
No0036	BLLAC 3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.
No0037	BLLAC 3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.
No0038	BLLAC 3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.
No0039	BLLAC 3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.
No0040	BLLAC 3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.
No0041	BLLAC 3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.
No0042	BLLAC 3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.
No0043	BLLAC 3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.
No0044	BLLAC 3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.
No0045	BLLAC 3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.
No0046	BLLAC 3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.
No0047	BLLAC 3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.
No0048	BLLAC 3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.
No0049	BLLAC 3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.
No0050	BLLAC 3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.
No0051	BLLAC 3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.
No0052	BLLAC 3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.
No0053	BLLAC 3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.
No0054	BLLAC 3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.
No0055	BLLAC 3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.
No0056	BLLAC 3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.
No0057	BLLAC 3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.
No0058	BLLAC 3mm_RDBE	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	.	.	.
No0059	BLLAC 3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.
No0060	3C120 3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.
No0061	BLLAC 3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.
No0062	BLLAC 3mm_RDBE	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	.	.	.
No0063	BLLAC 3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.
No0064	3C120 3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.
No0065	BLLAC 3mm_RDBE	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	.	.	.
No0066	BLLAC 3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.
No0067	3C120 3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.
No0068	BLLAC 3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.
No0069	BLLAC 3mm_RDBE	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	.	.	.
No0070	BLLAC 3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.
No0071	3C120 3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.
No0072	3C120 3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.
No0073	3C120 3mm_RDBE	x	x	x	x	x	x	x	x	x	.	x	.	x	x	.	.	.	.
No0074	3C120 3mm_RDBE	.	.	.	.	.	.	.	x	x	.	x	.	x	x	.	.	.	.
No0075	3C120 3mm_RDBE	x	x	x	x	x	x	x	x	x	.	x	.	x	x	.	.	.	.
No0076	3C120 3mm_RDBE	.	.	.	.	.	.	.	x	x	.	x	.	x	x	.	.	.	.

No0077	3C120	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.
No0078	3C120	3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.	.
No0079	3C120	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	.	.	.	.
No0080	3C120	3mm_RDBE	x	x	x	x	x	.	x	x	x	x	x	x	x	x	.	.	.	.
No0081	3C120	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	.	.	.	.
No0082	3C120	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.
No0083	3C120	3mm_RDBE	x	x	x	x	x	.	x	x	x	x	x	x	x	x	.	.	.	.
No0084	3C120	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	.	.	.	.
No0085	3C120	3mm_RDBE	x	x	.	x	x	.	x	x	x	x	x	x	x	x	.	.	.	.
No0086	3C120	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	.	.	.	.
No0087	3C120	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.
No0088	3C120	3mm_RDBE	x	x	.	x	x	.	x	x	x	x	x	x	x	x	.	.	.	.
No0089	3C120	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	.	.	.	.
No0090	3C120	3mm_RDBE	.	.	.	x	x	.	x	x	x	x	x	x	x	x	.	.	.	.
No0091	3C120	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	.	.	.	.
No0092	1055+018	3mm_RDBE	x	x	x	.	.	x	.	.	.	.	.	.	.	.	.	.	.	.
No0093	3C120	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.
No0094	3C120	3mm_RDBE	.	.	.	x	x	.	x	x	x	x	x	x	x	x	x	.	.	.
No0095	3C120	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.
No0096	1055+018	3mm_RDBE	x	x	x	.	.	x	.	.	.	.	.	.	.	.	.	.	.	.
No0097	3C120	3mm_RDBE	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	.	.	.
No0098	3C120	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.
No0099	3C120	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.
No0100	1055+018	3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.
No0101	3C120	3mm_RDBE	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	.	.	.
No0102	3C120	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.
No0103	1055+018	3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.
No0104	3C120	3mm_RDBE	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	.	.	.
No0105	3C120	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.
No0106	3C120	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.
No0107	1055+018	3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.
No0108	3C120	3mm_RDBE	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	.	.	.
No0109	3C120	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.
No0110	1055+018	3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.
No0111	3C120	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.
No0112	3C120	3mm_RDBE	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	.	.	.
No0113	3C120	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.
No0114	1055+018	3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.
No0115	3C120	3mm_RDBE	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	.	.	.
No0116	3C120	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.
No0117	1055+018	3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.
No0118	3C120	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.
No0119	3C120	3mm_RDBE	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	.	.	.
No0120	3C120	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.
No0121	1055+018	3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.
No0122	3C120	3mm_RDBE	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	.	.	.
No0123	3C120	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.
No0124	1156+295	3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.
No0125	3C120	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.
No0126	3C120	3mm_RDBE	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	.	.	.

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No0127    3C120 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .
No0128 1055+018 3mm_RDBE x  x  x  x  x  x  .  .  .  .  .  .  .  .  .  .  .  .
No0129    3C120 3mm_RDBE .  .  .  .  .  .  x  x  x  x  x  x  x  x  x  .  .  .
No0130    3C120 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .
No0131 1055+018 3mm_RDBE x  x  x  x  x  x  .  .  .  .  .  .  .  .  .  .  .  .
No0132    3C120 3mm_RDBE .  .  .  .  .  .  x  .  .  .  .  .  .  .  .  .  .  .
No0133    3C120 3mm_RDBE .  .  .  .  .  .  x  x  x  x  x  x  x  x  x  .  .  .
No0134    3C120 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .
No0135 1156+295 3mm_RDBE x  x  x  x  x  x  .  .  .  .  .  .  .  .  .  .  .  .
No0136    3C120 3mm_RDBE .  .  .  .  .  .  x  x  x  x  x  x  x  x  x  .  .  .
No0137    3C120 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .
No0138 1055+018 3mm_RDBE x  x  x  x  x  x  .  .  .  .  .  .  .  .  .  .  .  .
No0139    3C120 3mm_RDBE .  .  .  .  .  .  x  .  .  .  .  .  .  .  .  .  .  .
No0140    3C120 3mm_RDBE .  .  .  .  .  .  x  x  x  x  x  x  x  x  x  .  .  .
No0141    3C120 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .
No0142 1055+018 3mm_RDBE x  x  x  x  x  .  .  .  .  .  .  .  .  .  .  .  .  .
No0143    3C120 3mm_RDBE .  .  .  .  .  .  x  x  x  x  x  x  x  x  x  .  .  .
No0144    3C120 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .
No0145 1156+295 3mm_RDBE x  x  x  x  x  x  .  .  .  .  .  .  .  .  .  .  .  .
No0146 1055+018 3mm_RDBE .  .  .  .  .  .  x  .  .  .  .  .  .  .  .  .  .  .
No0147 1055+018 3mm_RDBE x  x  x  x  x  .  x  x  x  x  x  x  x  x  x  .  .  .
No0148 1055+018 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .
No0149 1055+018 3mm_RDBE x  x  x  x  x  .  x  x  x  x  x  x  x  x  x  .  .  .
No0150 1055+018 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .
No0151 1156+295 3mm_RDBE x  x  x  x  x  x  x  x  x  x  x  x  x  x  x  .  .  .
No0152 1156+295 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .
No0153 1055+018 3mm_RDBE .  .  .  .  .  .  x  .  .  .  .  .  .  .  .  .  .  .
No0154 1055+018 3mm_RDBE .  .  .  x  x  .  x  x  x  x  x  x  x  x  x  .  .  .
No0155 1055+018 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .
No0156 1156+295 3mm_RDBE x  x  x  .  .  x  .  .  .  .  .  .  .  .  .  .  .  .
No0157 1156+295 3mm_RDBE x  x  x  x  x  x  x  x  x  x  x  x  x  x  x  .  .  .
No0158 1156+295 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .
No0159 1055+018 3mm_RDBE .  .  .  .  .  .  x  .  .  .  .  .  .  .  .  .  .  .
No0160 1055+018 3mm_RDBE .  .  .  x  x  .  x  x  x  x  x  x  x  x  x  .  .  .
No0161 1055+018 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .
No0162 1156+295 3mm_RDBE x  x  x  .  .  x  .  .  .  .  .  .  .  .  .  .  .  .
No0163 1156+295 3mm_RDBE x  x  x  x  x  x  x  x  x  x  x  x  x  x  x  .  .  .
No0164 1156+295 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .
No0165 1055+018 3mm_RDBE .  .  .  .  .  .  x  .  .  .  .  .  .  .  .  .  .  .
No0166 1055+018 3mm_RDBE .  .  .  .  .  .  x  x  x  x  x  x  x  x  x  .  .  .
No0167 1055+018 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .
No0168 1156+295 3mm_RDBE x  x  x  x  x  x  .  .  .  .  .  .  .  .  .  .  .  .
No0169 1156+295 3mm_RDBE x  x  x  x  x  x  x  x  x  x  x  x  x  x  x  .  .  .
No0170 1156+295 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .
No0171 1055+018 3mm_RDBE .  .  .  .  .  .  x  .  .  .  .  .  .  .  .  .  .  .
No0172 1055+018 3mm_RDBE .  .  .  .  .  .  x  x  x  x  x  x  x  x  x  .  .  .
No0173 1055+018 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .
No0174    3C345 3mm_RDBE x  x  x  x  x  x  .  .  .  .  .  .  .  .  .  .  .  .
No0175 1055+018 3mm_RDBE .  .  .  .  .  .  x  x  x  x  x  x  x  x  x  .  .  .
No0176 1055+018 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .
```

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No0177  1633+38 3mm_RDBE x  x  x  x  x  x  .  .  .  .  .  .  .  .  .  .  .  .  .
No0178 1055+018 3mm_RDBE .  .  .  .  .  .  x  .  .  .  .  .  .  .  .  .  .  .  .
No0179 1055+018 3mm_RDBE .  .  .  .  .  .  x  x  x  x  x  x  x  x  x  .  .  .
No0180 1055+018 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .
No0181    3C345 3mm_RDBE x  x  x  x  x  x  .  .  .  .  .  .  .  .  .  .  .  .  .
No0182    3C345 3mm_RDBE .  .  .  .  .  .  x  .  .  .  .  .  .  .  .  .  .  .  .
No0183    3C345 3mm_RDBE x  x  x  x  x  x  x  x  x  x  x  x  x  x  x  .  .  .  .
No0184    3C345 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .  .
No0185  1633+38 3mm_RDBE x  x  x  x  x  x  x  x  x  x  x  x  x  x  x  .  .  .  .
No0186  1633+38 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .  .
No0187    3C345 3mm_RDBE .  .  .  .  .  .  x  .  .  .  .  .  .  .  .  .  .  .  .
No0188    3C345 3mm_RDBE x  x  x  x  x  x  x  x  x  x  x  x  x  x  x  .  .  .  .
No0189    3C345 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .  .
No0190    3C345 3mm_RDBE x  x  x  x  x  x  x  x  x  x  x  x  x  x  x  .  .  .  .
No0191    3C345 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .  .
No0192    3C345 3mm_RDBE .  .  .  .  .  .  x  .  .  .  .  .  .  .  .  .  .  .  .
No0193  1633+38 3mm_RDBE x  x  x  x  x  x  x  x  x  x  x  x  x  x  x  .  .  .  .
No0194  1633+38 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .  .
No0195    3C345 3mm_RDBE .  .  .  .  .  .  x  .  .  .  .  .  .  .  .  .  .  .  .
No0196    3C345 3mm_RDBE x  x  x  x  x  x  x  x  x  x  x  x  x  x  x  .  .  .  .
No0197    3C345 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .  .
No0198    3C345 3mm_RDBE x  x  x  x  x  x  x  x  x  x  x  x  x  x  x  .  .  .  .
No0199    3C345 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .  .
No0200    3C345 3mm_RDBE .  .  .  .  .  .  x  .  .  .  .  .  .  .  .  .  .  .  .
No0201  1633+38 3mm_RDBE x  x  x  x  x  x  x  x  x  x  x  x  x  x  x  x  .  .  .
No0202  1633+38 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  x  .  .  .
No0203    3C345 3mm_RDBE x  x  x  x  x  x  x  x  x  x  x  x  x  x  x  x  .  .  .
No0204    3C345 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  x  .  .  .
No0205    3C345 3mm_RDBE .  .  .  .  .  .  x  .  .  .  .  .  .  .  .  .  .  .  .
No0206    3C345 3mm_RDBE x  x  x  x  x  x  x  x  x  x  x  x  x  x  x  x  .  .  .
No0207    3C345 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  x  .  .  .
No0208  1633+38 3mm_RDBE x  x  x  x  x  x  x  x  x  x  x  x  x  x  x  x  .  .  .
No0209  1633+38 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  x  .  .  .
No0210    3C345 3mm_RDBE x  x  x  x  x  x  x  x  x  x  x  x  x  x  x  x  .  .  .
No0211    3C345 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  x  .  .  .
No0212    3C345 3mm_RDBE .  .  .  .  .  .  x  .  .  .  .  .  .  .  .  .  .  .  .
No0213    3C345 3mm_RDBE x  x  x  x  x  x  x  x  x  x  x  x  x  x  x  x  .  .  .
No0214    3C345 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  x  .  .  .
No0215  1633+38 3mm_RDBE x  x  x  x  x  x  x  x  x  x  x  x  x  x  x  x  .  .  .
No0216  1633+38 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  x  .  .  .
No0217    3C345 3mm_RDBE .  .  .  .  .  .  x  .  .  .  .  .  .  .  .  .  .  .  .
No0218    3C345 3mm_RDBE x  x  x  x  x  x  x  x  x  x  x  x  x  x  x  x  .  .  .
No0219    3C345 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  x  .  .  .
No0220    3C345 3mm_RDBE x  x  x  x  x  x  x  x  x  x  x  x  x  x  x  x  .  .  .
No0221    3C345 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  x  .  .  .
No0222    3C345 3mm_RDBE .  .  .  .  .  .  x  .  .  .  .  .  .  .  .  .  .  .  .
No0223  1633+38 3mm_RDBE .  .  .  .  .  .  x  x  x  x  x  x  x  x  x  x  .  .  .
No0224  1633+38 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  x  .  .  .
No0225  3C454.3 3mm_RDBE x  x  x  x  x  x  .  .  .  .  .  .  .  .  .  .  .  .  .
No0226  3C454.3 3mm_RDBE .  .  .  .  .  .  x  .  .  .  .  .  .  .  .  .  .  .  .
```

No0227	3C454.3	3mm_RDBE	x	x	x	x	x	x	x	.	x	.	.	.	.	.	.	.	.	.	.
No0228	3C345	3mm_RDBE	.	.	.	.	.	.	.	x	.	x	x	x	x	x	x	.	.	.	
No0229	3C345	3mm_RDBE	.	.	.	.	.	.	.	x	.	x	x	x	x	x	x	.	.	.	
No0230	3C454.3	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.	.
No0231	3C454.3	3mm_RDBE	x	x	x	x	x	x	x	x	x	.	x	x	x	x	.	.	.	.	
No0232	3C454.3	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	.	.	.	.	
No0233	CTA102	3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.	.	
No0234	CTA102	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	.	.	.	.	
No0235	3C454.3	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.	.
No0236	3C454.3	3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.	.	
No0237	3C454.3	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	.	.	.	.	
No0238	CTA102	3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.	.	
No0239	CTA102	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	.	.	.	.	
No0240	3C454.3	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.	.
No0241	3C454.3	3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.	.	
No0242	3C454.3	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	.	.	.	.	
No0243	CTA102	3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.	.	
No0244	CTA102	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	.	.	.	.	
No0245	3C454.3	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.	.
No0246	3C454.3	3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.	.	
No0247	3C454.3	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	.	.	.	.	
No0248	OJ287	3mm_RDBE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	x	x	x	
No0249	CTA102	3mm_RDBE	x	x	x	x	x	.	x	x	x	x	x	x	x	x	.	.	.	.	
No0250	CTA102	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.	
No0251	OJ287	3mm_RDBE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	x	x	x	
No0252	3C454.3	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.	.
No0253	3C454.3	3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.	.	
No0254	3C454.3	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.	
No0255	OJ287	3mm_RDBE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	x	x	x	
No0256	CTA102	3mm_RDBE	x	x	.	x	x	.	x	x	x	x	x	x	x	x	x	.	.	.	
No0257	CTA102	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.	
No0258	OJ287	3mm_RDBE	.	.	x	.	.	x	.	.	.	.	.	.	.	.	.	x	x	x	
No0259	3C454.3	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.	.
No0260	3C454.3	3mm_RDBE	x	x	.	x	x	.	x	x	x	x	x	x	x	x	x	.	.	.	
No0261	3C454.3	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.	
No0262	OJ287	3mm_RDBE	.	.	x	.	.	x	.	.	.	.	.	.	.	.	.	x	x	x	
No0263	3C454.3	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.	.
No0264	3C454.3	3mm_RDBE	x	x	.	x	x	.	x	x	x	x	x	x	x	x	x	.	.	.	
No0265	3C454.3	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.	
No0266	OJ287	3mm_RDBE	.	.	x	.	.	x	.	.	.	.	.	.	.	.	.	x	x	x	
No0267	CTA102	3mm_RDBE	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	.	.	.	
No0268	CTA102	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.	
No0269	OJ287	3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	x	x	x	
No0270	3C454.3	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.	.
No0271	3C454.3	3mm_RDBE	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	.	.	.	
No0272	3C454.3	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.	
No0273	OJ287	3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	x	x	x	
No0274	CTA102	3mm_RDBE	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	.	.	.	
No0275	CTA102	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.	
No0276	OJ287	3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	x	x	x	

No0277	3C454.3	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.
No0278	3C454.3	3mm_RDBE	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	.	.	.
No0279	3C454.3	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.
No0280	OJ287	3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	x	x	x
No0281	CTA102	3mm_RDBE	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	.	.	.
No0282	CTA102	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.
No0283	OJ287	3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	x	x	x
No0284	3C454.3	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.
No0285	3C454.3	3mm_RDBE	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	.	.	.
No0286	3C454.3	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.
No0287	OJ287	3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	x	x	x
No0288	CTA102	3mm_RDBE	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	.	.	.
No0289	CTA102	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.
No0290	OJ287	3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.
No0291	3C454.3	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.
No0292	3C454.3	3mm_RDBE	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	.	.	.
No0293	3C454.3	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.
No0294	OJ287	3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.
No0295	CTA102	3mm_RDBE	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	.	.	.
No0296	CTA102	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.
No0297	OJ287	3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.
No0298	3C454.3	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.
No0299	3C454.3	3mm_RDBE	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	.	.	.
No0300	3C454.3	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.
No0301	OJ287	3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.
No0302	CTA102	3mm_RDBE	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	.	.	.
No0303	CTA102	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.
No0304	OJ287	3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.
No0305	3C454.3	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.
No0306	3C454.3	3mm_RDBE	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	.	.	.
No0307	3C454.3	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.
No0308	OJ287	3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.
No0309	CTA102	3mm_RDBE	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	x	x	x
No0310	CTA102	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	x	x
No0311	OJ287	3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.
No0312	3C454.3	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.
No0313	3C454.3	3mm_RDBE	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	x	x	x
No0314	3C454.3	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	x	x
No0315	OJ287	3mm_RDBE	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.
No0316	CTA102	3mm_RDBE	.	.	.	.	.	.	.	x	.	x	x	x	x	x	x	x	x	x
No0317	CTA102	3mm_RDBE	.	.	.	.	.	.	.	x	.	x	x	x	x	x	x	x	x	x
No0318	OJ287	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.
No0319	OJ287	3mm_RDBE	x	x	x	x	x	x	x	.	x	.	.	.	.	.	.	.	.	.
No0320	3C454.3	3mm_RDBE	.	.	.	.	.	.	.	x	.	x	x	x	x	x	x	x	x	x
No0321	OJ287	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.
No0322	OJ287	3mm_RDBE	x	x	x	x	x	x	x	.	x	.	.	.	.	.	.	.	.	.
No0323	CTA102	3mm_RDBE	.	.	.	.	.	.	.	x	.	x	x	x	x	x	x	x	x	x
No0324	CTA102	3mm_RDBE	.	.	.	.	.	.	.	x	.	x	x	x	x	x	x	x	x	x
No0325	OJ287	3mm_RDBE	x	x	x	x	x	x	x	.	x	.	.	.	.	.	.	.	.	.
No0326	3C454.3	3mm_RDBE	.	.	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x

No0327	3C454.3	3mm_RDBE	.	.	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x
No0328	OJ287	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.	.	.
No0329	OJ287	3mm_RDBE	x	x	x	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.
No0330	3C454.3	3mm_RDBE	.	.	.	.	.	.	.	.	.	.	x	.	x	x	.	x	x	x	x	x
No0331	3C454.3	3mm_RDBE	.	.	.	.	.	.	.	.	.	.	x	.	x	x	.	x	x	x	x	x
No0332	OJ287	3mm_RDBE	x	x	x	x	x	x	x	x	x	.	x	.	.	x	.	.	.	.	.	.
No0333	OJ287	3mm_RDBE	.	.	.	.	.	.	.	x	x	.	x	.	.	x	.	.	.	.	.	.
No0334	OJ287	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.	.	.
No0335	OJ287	3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	.	x	x	.	.	.	.	.	.
No0336	OJ287	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	.	x	x	.	.	.	.	.	.
No0337	3C454.3	3mm_RDBE	.	.	.	.	.	.	.	.	.	.	.	x	.	.	x	x	x	x	x	x
No0338	3C454.3	3mm_RDBE	.	.	.	.	.	.	.	.	.	.	.	x	.	.	x	x	x	x	x	x
No0339	OJ287	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.	.	.
No0340	OJ287	3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	.	x	x	.	.	.	.	.	.
No0341	OJ287	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	.	x	x	.	.	.	.	.	.
No0342	3C454.3	3mm_RDBE	.	.	.	.	.	.	.	.	.	.	.	x	.	.	x	x	x	x	x	x
No0343	3C454.3	3mm_RDBE	.	.	.	.	.	.	.	.	.	.	.	x	.	.	x	x	x	x	x	x
No0344	OJ287	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.	.	.
No0345	OJ287	3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.	.	.
No0346	OJ287	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.	.	.
No0347	3C454.3	3mm_RDBE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	x	x	x	x
No0348	3C454.3	3mm_RDBE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	x	x	x	x
No0349	OJ287	3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.	.	.
No0350	OJ287	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.	.	.
No0351	3C454.3	3mm_RDBE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	x	x	x	x
No0352	3C454.3	3mm_RDBE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	x	x	x	x
No0353	OJ287	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.	.	.
No0354	OJ287	3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.	.	.
No0355	OJ287	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.	.	.
No0356	3C454.3	3mm_RDBE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	x	x	x	x
No0357	3C454.3	3mm_RDBE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	x	x	x	x
No0358	OJ287	3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.	.	.
No0359	OJ287	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.	.	.
No0360	3C454.3	3mm_RDBE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	x	x	x	x
No0361	3C454.3	3mm_RDBE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	x	x	x	x
No0362	OJ287	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.	.	.
No0363	OJ287	3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.	.	.
No0364	OJ287	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.	.	.
No0365	OJ287	3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.	.	.
No0366	OJ287	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	.	.	.	.	.
No0367	OJ287	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.	.	.
No0368	OJ287	3mm_RDBE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.	.
No0369	OJ287	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	.	.	.	.
No0370	OJ287	3mm_RDBE	x	x	x	x	x	.	x	x	x	x	x	x	x	x	x	x	.	.	.	.
No0371	OJ287	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	.	.	.	.
No0372	OJ287	3mm_RDBE	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.	.	.
No0373	OJ287	3mm_RDBE	x	x	x	x	x	.	x	x	x	x	x	x	x	x	x	x	.	.	.	.
No0374	OJ287	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	.	.	.	.
No0375	OJ287	3mm_RDBE	.	.	.	x	x	.	x	x	x	x	x	x	x	x	x	x	.	.	.	.
No0376	OJ287	3mm_RDBE	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	.	.	.	.

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No0377    OJ287 3mm_RDBE . . . . . x . . . . . . . . . . .
No0378    OJ287 3mm_RDBE . . . . . x x x x x x x x x . . .
No0379    OJ287 3mm_RDBE . . . . . . x x x x x x x x . . .
No0380 1510-089 3mm_RDBE x x x x x x . . . . . . . . . . .
No0381    OJ287 3mm_RDBE . . . . . x x x x x x x x x . . .
No0382    OJ287 3mm_RDBE . . . . . . x x x x x x x x . . .
No0383 1510-089 3mm_RDBE x x x x x x . . . . . . . . . . .
No0384    OJ287 3mm_RDBE . . . . . x . . . . . . . . . . .
No0385    OJ287 3mm_RDBE . . . . . x x x x x x x x x . . .
No0386    OJ287 3mm_RDBE . . . . . . x x x x x x x x . . .
No0387 1510-089 3mm_RDBE x x x x x x . . . . . . . . . . .
No0388 0716+714 3mm_RDBE . . . . . . . . . . . . . . . x x x
No0389    OJ287 3mm_RDBE . . . . . x x x x x x x x x . . .
No0390    OJ287 3mm_RDBE . . . . . . x x x x x x x x . . .
No0391 1510-089 3mm_RDBE x x x x x x . . . . . . . . . . .
No0392 0716+714 3mm_RDBE . . . . . . . . . . . . . . . x x x
No0393    OJ287 3mm_RDBE . . . . . x . . . . . . . . . . .
No0394    OJ287 3mm_RDBE . . . . . x x x x x x x x x . . .
No0395    OJ287 3mm_RDBE . . . . . . x x x x x x x x . . .
No0396 1510-089 3mm_RDBE x x x x x x . . . . . . . . . . .
No0397 0716+714 3mm_RDBE . . . . . . . . . . . . . . . x x x
No0398    OJ287 3mm_RDBE . . . . . x x x x x x x x x . . .
No0399    OJ287 3mm_RDBE . . . . . x x x x x x x x x . . .
No0400 1510-089 3mm_RDBE x x x x x . . . . . . . . . . . .
No0401 0716+714 3mm_RDBE . . . . . x . . . . . . . . . x x x
No0402    OJ287 3mm_RDBE . . . . . x . . . . . . . . . . .
No0403    OJ287 3mm_RDBE . . . . . x x x x x x x x x . . .
No0404    OJ287 3mm_RDBE . . . . . x x x x x x x x x . . .
No0405 1510-089 3mm_RDBE x x x x x . . . . . . . . . . . .
No0406 0716+714 3mm_RDBE . . . . . x . . . . . . . . . x x x
No0407    OJ287 3mm_RDBE . . . . . x x x x x x x x x . . .
No0408    OJ287 3mm_RDBE . . . . . x x x x x x x x x . . .
No0409 1510-089 3mm_RDBE x x x x x . . . . . . . . . . . .
No0410 0716+714 3mm_RDBE . . . . . x . . . . . . . . . x x x
No0411    OJ287 3mm_RDBE . . . . . x . x x x x x x . . .
No0412    OJ287 3mm_RDBE . . . . . x . x x x x x x . . .
No0413 1510-089 3mm_RDBE . . . . . x . . . . . . . . . . .
No0414 1510-089 3mm_RDBE x x . x x . x . x . . . . . . . .
No0415 0716+714 3mm_RDBE . . x . . x . . . . . . . . . x x x
No0416    OJ287 3mm_RDBE . . . . . x . x x x x x x . . .
No0417    OJ287 3mm_RDBE . . . . . x . x x x x x x . . .
No0418 1510-089 3mm_RDBE . . . . . x . . . . . . . . . . .
No0419 1510-089 3mm_RDBE x x . x x . x . x . . . . . . . .
No0420 0716+714 3mm_RDBE . . x . . x . . . . . . . . . x x x
No0421    OJ287 3mm_RDBE . . . . . x x x x x x . . .
No0422    OJ287 3mm_RDBE . . . . . x x x x x x . . .
No0423 1510-089 3mm_RDBE . . . . . x . . . . . . . . . . .
No0424 1510-089 3mm_RDBE x x . x x . x x x . . . . . . . .
No0425 0716+714 3mm_RDBE . . x . . x . . . . . . . . . x x x
No0426 1510-089 3mm_RDBE . . . x x . x x x . x . x x . . . .
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No0427 1510-089 3mm_RDBE .  .  .  .  .  .  .  x  x  .  x  .  x  x  .  .  .  .
No0428 0716+714 3mm_RDBE x  x  x  .  .  x  .  .  .  x  .  x  .  .  x  x  x  x
No0429 0716+714 3mm_RDBE .  .  .  .  .  .  .  .  .  x  .  x  .  .  x  x  x  x
No0430 1510-089 3mm_RDBE .  .  .  .  .  .  x  .  .  .  .  .  .  .  .  .  .  .
No0431 1510-089 3mm_RDBE .  .  .  x  x  .  x  x  x  x  x  x  x  x  .  .  .  .
No0432 1510-089 3mm_RDBE .  .  .  .  .  .  .  .  x  x  x  x  x  x  x  .  .  .
No0433 0716+714 3mm_RDBE x  x  x  .  .  x  .  .  .  .  .  .  .  .  .  x  x  x  x
No0434 1510-089 3mm_RDBE .  .  .  x  x  .  x  x  x  x  x  x  x  x  x  .  .  .  .
No0435 1510-089 3mm_RDBE .  .  .  .  .  .  .  .  x  x  x  x  x  x  x  .  .  .  .
No0436 0716+714 3mm_RDBE x  x  x  .  .  x  .  .  .  .  .  .  .  .  .  x  x  x  x
No0437 1510-089 3mm_RDBE .  .  .  .  .  .  .  x  .  .  .  .  .  .  .  .  .  .  .
No0438 1510-089 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .  .
No0439 1510-089 3mm_RDBE .  .  .  .  .  .  .  .  x  x  x  x  x  x  x  .  .  .  .
No0440 0716+714 3mm_RDBE x  x  x  x  x  x  .  .  .  .  .  .  .  .  .  x  x  x  x
No0441 1510-089 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .  .
No0442 1510-089 3mm_RDBE .  .  .  .  .  .  .  .  x  x  x  x  x  x  x  .  .  .  .
No0443 0716+714 3mm_RDBE x  x  x  x  x  x  .  .  .  .  .  .  .  .  .  x  x  x  x
No0444 1510-089 3mm_RDBE .  .  .  .  .  .  .  x  .  .  .  .  .  .  .  .  .  .  .
No0445 1510-089 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .  .
No0446 1510-089 3mm_RDBE .  .  .  .  .  .  .  .  x  x  x  x  x  x  x  .  .  .  .
No0447 0716+714 3mm_RDBE x  x  x  x  x  x  .  .  .  .  .  .  .  .  .  .  x  x  x
No0448 1510-089 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  x  .  .  .
No0449 1510-089 3mm_RDBE .  .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .
No0450 0716+714 3mm_RDBE x  x  x  x  x  x  .  .  .  .  .  .  .  .  .  .  x  x  x
No0451 1510-089 3mm_RDBE .  .  .  .  .  .  .  x  .  .  .  .  .  .  .  .  .  .  .
No0452 1510-089 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  x  .  .  .
No0453 1510-089 3mm_RDBE .  .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .
No0454 0716+714 3mm_RDBE x  x  x  x  x  x  .  .  .  .  .  .  .  .  .  .  x  x  x
No0455 1510-089 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  x  .  .  .
No0456 1510-089 3mm_RDBE .  .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .
No0457 0716+714 3mm_RDBE x  x  x  x  x  x  .  .  .  .  .  .  .  .  .  .  x  x  x
No0458 1510-089 3mm_RDBE .  .  .  .  .  .  .  x  .  .  .  .  .  .  .  .  .  .  .
No0459 1510-089 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  x  .  .  .
No0460 1510-089 3mm_RDBE .  .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .
No0461 0716+714 3mm_RDBE x  x  x  x  x  x  .  .  .  .  .  .  .  .  .  .  x  x  x
No0462 1510-089 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  x  .  .  .
No0463 1510-089 3mm_RDBE .  .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .
No0464 0716+714 3mm_RDBE x  x  x  x  x  x  .  .  .  .  .  .  .  .  .  .  x  x  x
No0465 1510-089 3mm_RDBE .  .  .  .  .  .  .  x  .  .  .  .  .  .  .  .  .  .  .
No0466 1510-089 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  x  .  .  .
No0467 1510-089 3mm_RDBE .  .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .
No0468 0716+714 3mm_RDBE x  x  x  x  x  x  .  .  .  .  .  .  .  .  .  .  x  x  x
No0469 1510-089 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  x  .  .  .
No0470 1510-089 3mm_RDBE .  .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  .  .  .
No0471 0716+714 3mm_RDBE x  x  x  x  x  x  .  .  .  .  .  .  .  .  .  .  x  x  x
No0472 1510-089 3mm_RDBE .  .  .  .  .  .  .  x  .  .  .  .  .  .  .  .  .  .  .
No0473 1510-089 3mm_RDBE .  .  .  .  .  .  .  x  x  x  x  x  x  x  x  x  .  .  .
No0474 0716+714 3mm_RDBE x  x  x  x  x  x  .  .  .  .  .  .  .  .  .  .  x  x  x
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