C191E Correlation Report

General information

- Includes two science projects: MH004B and MK011
- Session info: http://www3.mpifr-bonn.mpg.de/div/vlbi/globalmm/
- Station feedback: http://www3.mpifr-bonn.mpg.de/div/vlbi/globalmm/sessions/apr19/feedback_apr19.asc
- Text file with detailed antenna statistics, scroll down to get to the cumulative statistics for the whole experiment:
  c191e.antrep

Current Status

correlation finished, data **released** on 19/09/2019.

the **second release** was made on 18/01/2020 to fix the double autocorrelation issue.

Fringes

Fourfit fringe plots with fringes to multiple antennas:

Scan No0040, source 3C273, fringes to Ef, On, Ys, Mh, Pv, Gl, Fd, Kp, La, Ov, Pt: No0040_all.pdf

Scan No0047, source 3C273, fringes to Ef, On, Ys, Pv, Gl, Gb, Br, Fd, Kp, La, Nl, Ov: No0047_all.pdf

Scan No0067, source 3C273, fringes to Gl, Gb, Br, Fd, Kp, La, Mk, Nl, Pt: No0067_all.pdf

Scan No0110, source 3C345, fringes to Ef, On, Ys, Mh, Pv, Gl, Br, Fd, Kp, La, Mk, Nl, Pt: No0110_all.pdf

Scan No0159, source 3C345, fringes to Gl, Br, Fd, Kp, La, Nl, Ov, Pt: No0159_all.pdf

Station	Code	Fringes	Plots	Comments
Ef	B	yes	Fringe overview of all baselines (all of C191E) 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. c191e_FRINGE_RfAnt_Ef_LLRR_AllSrc.pdf Examples of fourfit fringe plots: No0040_all.pdf, No0047_all.pdf, No0110_all.pdf **Same for all antennas below unless otherwise noted.**	Power failure at the start, starting 1 hr late, weather mixed, everything from clear sky to light rain
On	X	yes	c191e_FRINGE_RfAnt_On_LLRR_AllSrc.pdf No0040_all.pdf, No0047_all.pdf, No0110_all.pdf	

Station	Code	Fringes	Plots	Comments
Ys	Y	yes	c191e_FRINGE_RfAnt_Ys_LLRR_AllSrc.pdf No0040_all.pdf, No0047_all.pdf, No0110_all.pdf	
Mh	Z	yes	c191e_FRINGE_RfAnt_Mh_LLRR_AllSrc.pdf No0040_all.pdf, No0110_all.pdf	Rain, snow and wet snow over the whole experiment
Pv	P	yes	c191e_FRINGE_RfAnt_Pv_LLRR_AllSrc.pdf No0040_all.pdf, No0047_all.pdf, No0110_all.pdf	Down because of the weather in the beginning of this experiment.
GLT: Gl	g	yes	Here bright red - false fringe (mostly to KVN), determined by having exremely large single-band delay, often > 0.1us. c191e_SBD_RfAnt_Gl_LLRR_AllSrc.pdf No0040_all.pdf, No0047_all.pdf, No0067_all.pdf, No0110_all.pdf, No0159_all.pdf	confirmed correct polarization configuration for this session
GBT: Gb	G	yes	c191e_FRINGE_RfAnt_Gb_LLRR_AllSrc.pdf No0047_all.pdf, No0067_all.pdf	broken Cal-Wheel, no Tsys
VLBA: Br	b	yes	Here bright red - false fringe (mostly to KVN), determined by having exremely large single-band delay, often > 0.1us. c191e_SBD_RfAnt_Br_LLRR_AllSrc.pdf No0047_all.pdf, No0067_all.pdf, No0110_all.pdf, No0159_all.pdf	problems with 7mm, possibly affecting pointing
VLBA: Fd	f	yes	Here bright red - false fringe (mostly to KVN), determined by having exremely large single-band delay, often > 0.1us. c191e_SBD_RfAnt_Fd_LLRR_AllSrc.pdf No0040_all.pdf, No0047_all.pdf, No0067_all.pdf, No0110_all.pdf, No0159_all.pdf	
VLBA: Kp	k	yes	Here bright red - false fringe (mostly to KVN), determined by having exremely large single-band delay, often > 0.1us. c191e_SBD_RfAnt_Kp_LLRR_AllSrc.pdf	

Station	Code	Fringes	Plots	Comments
			No0040_all.pdf, No0047_all.pdf, No0067_all.pdf, No0110_all.pdf, No0159_all.pdf	
VLBA: La	l	yes	c191e_FRINGE_RfAnt_La_LLRR_AllSrc.pdf No0040_all.pdf, No0047_all.pdf, No0067_all.pdf, No0110_all.pdf, No0159_all.pdf	
VLBA: Mk	m	yes	c191e_FRINGE_RfAnt_Mk_LLRR_AllSrc.pdf No0067_all.pdf, No0110_all.pdf	Windy. Taken out for several scans because of USNO observing. Some time loss due to recording failure.
VLBA: Nl	n	yes	c191e_FRINGE_RfAnt_Nl_LLRR_AllSrc.pdf No0047_all.pdf, No0067_all.pdf, No0110_all.pdf, No0159_all.pdf	
VLBA: Ov	o	yes	c191e_FRINGE_RfAnt_Ov_LLRR_AllSrc.pdf No0040_all.pdf, No0047_all.pdf, No0159_all.pdf	Down for most of the experiment due to critical technical failures.
VLBA: Pt	p	yes	c191e_FRINGE_RfAnt_Pt_LLRR_AllSrc.pdf No0040_all.pdf, No0067_all.pdf, No0110_all.pdf, No0159_all.pdf	Taken out for several scans because of USNO observing. Paked for half hour due to cryo work.
KVN: Kt	t	no	Here bright red - false fringe, determined by having exremely large single-band delay, often > 0.1us. c191e_SBD_RfAnt_Kt_LLRR_AllSrc.pdf	no fringes, except falsely found by fourfit
KVN: Ku	u	no	Here bright red - false fringe, determined by having exremely large single-band delay, often > 0.1us. c191e_FRINGE_RfAnt_Ku_LLRR_AllSrc.pdf	did not observe
KVN: Ky	y	no	Here bright red - false fringe, determined by having exremely large single-band delay, often > 0.1us. c191e_SBD_RfAnt_Ky_LLRR_AllSrc.pdf	no fringes, except falsely found by fourfit

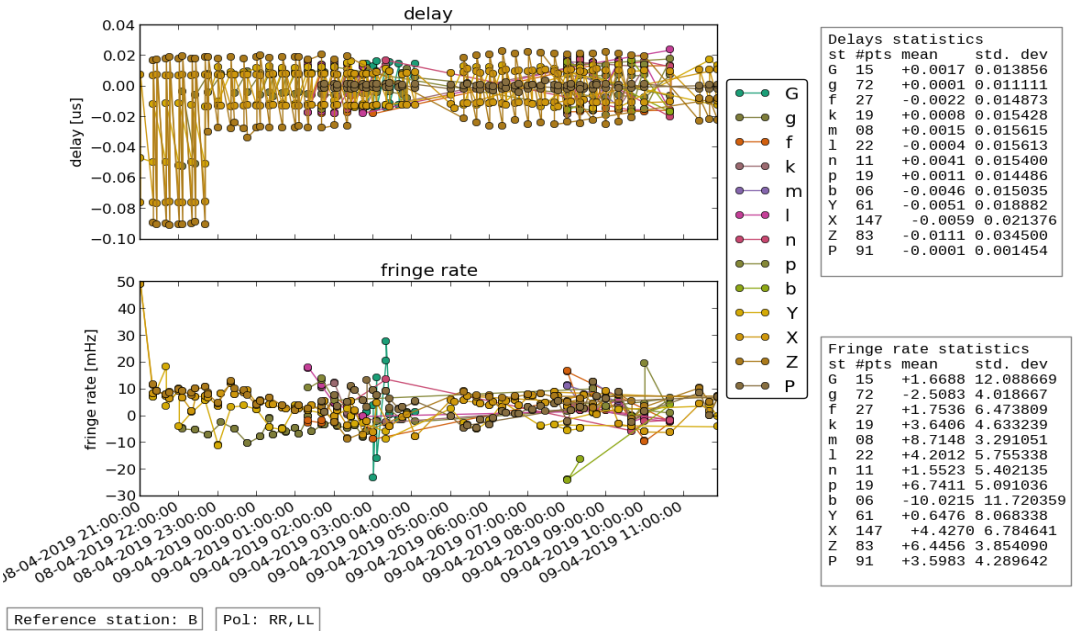
Notes

Due to an unknown yet technical problem fourfit detects false fringes for all baselines from Kt and Ky to GLT and three VLBA antennas, Br, Fd and Kp. They can be weeded off by extremely large fringe single-band delay.

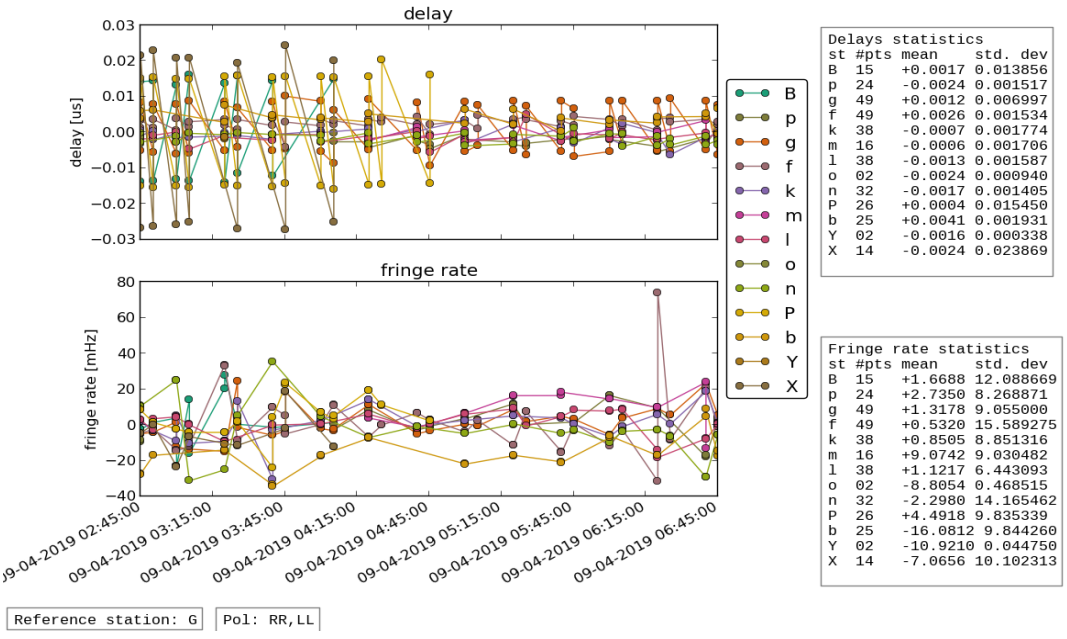
Post-Correlation checks

Residuals

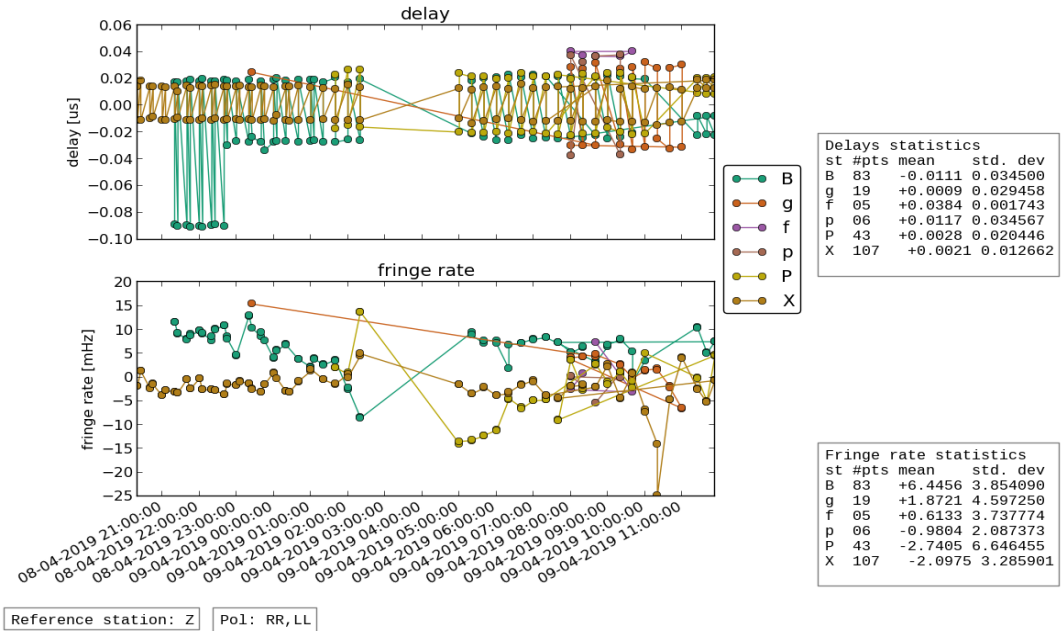
Ef:



GBT:



Mh:



FITS completeness (pclist)

legend:

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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
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c191e.fits:

```
                                 EF ON YS PV MH GL NL FD PT LA OV KP BR MK GB KY KU KT
c191e_001 No0001   3C273 3mm_RDBE o  o  o  x  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_002 No0002     M87 3mm_RDBE o  o  o  x  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_003 No0003   3C273 3mm_RDBE o  o  o  x  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_004 No0004     M87 3mm_RDBE o  o  o  x  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_005 No0005   3C273 3mm_RDBE o  o  o  x  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_006 No0006     M87 3mm_RDBE o  o  o  x  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_007 No0007   3C273 3mm_RDBE o  o  o  x  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_008 No0008     M87 3mm_RDBE o  o  o  x  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_009 No0009   3C273 3mm_RDBE o  o  o  x  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_010 No0010     M87 3mm_RDBE o  o  o  x  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_011 No0011   3C273 3mm_RDBE o  o  o  x  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_012 No0012     M87 3mm_RDBE o  o  o  x  o  o  .  .  .  .  .  .  .  .  .  .  .  .
c191e_013 No0013   3C273 3mm_RDBE o  o  o  x  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_014 No0014     M87 3mm_RDBE o  o  o  x  o  o  .  .  .  .  .  .  .  .  .  .  .  .
c191e_015 No0015   3C273 3mm_RDBE o  o  o  x  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_016 No0016     M87 3mm_RDBE o  o  o  x  o  o  .  .  .  .  .  .  .  .  .  .  .  .
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c191e_017 No0017   3C273 3mm_RDBE o  o  o  x  o  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_018 No0018     M87 3mm_RDBE o  o  o  x  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_019 No0019   3C273 3mm_RDBE o  o  o  x  o  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_020 No0020     M87 3mm_RDBE o  o  o  x  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_021 No0021   3C273 3mm_RDBE o  o  o  x  o  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_022 No0022     M87 3mm_RDBE o  o  o  x  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_023 No0023   3C273 3mm_RDBE o  o  o  x  o  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_024 No0024     M87 3mm_RDBE o  o  o  x  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .
c191e_025 No0025   OJ287 3mm_RDBE .  .  .  .  .  .  .  o  96 23 o  o  o  o  .  .  .  .  .
c191e_026 No0026   3C273 3mm_RDBE o  o  o  x  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .
c191e_027 No0027     M87 3mm_RDBE o  o  o  x  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .
c191e_028 No0028   OJ287 3mm_RDBE .  .  .  .  .  .  .  o  o  o  o  77 59 o  .  .  .  .  .
c191e_029 No0029   OJ287 3mm_RDBE .  .  .  .  .  .  .  o  o  o  o  o  77 o  .  .  .  .  .
c191e_030 No0030   3C273 3mm_RDBE o  o  o  x  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .
c191e_031 No0031     M87 3mm_RDBE o  o  o  x  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .
c191e_032 No0032   OJ287 3mm_RDBE .  .  .  .  .  .  .  16 o  o  o  o  53 o  .  .  .  .  .
c191e_033 No0033   3C273 3mm_RDBE o  o  o  x  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .
c191e_034 No0034     M87 3mm_RDBE o  o  o  x  o  o  o  57 o  o  .  .  .  .  .  .  .  .  .
c191e_035 No0035   OJ287 3mm_RDBE .  .  .  .  .  .  .  .  .  .  96 o  06 o  .  .  .  .  .
c191e_036 No0036   3C273 3mm_RDBE o  o  o  77 o  o  o  22 o  o  .  .  .  .  .  .  .  .  .
c191e_037 No0037     M87 3mm_RDBE o  o  o  o  o  o  o  o  o  o  .  .  .  .  .  .  .  .  .
c191e_038 No0038   3C273 3mm_RDBE o  o  o  o  o  o  o  o  o  o  .  o  .  .  .  .  .  .  .
c191e_039 No0039     M87 3mm_RDBE o  o  o  o  o  o  o  o  o  o  97 o  42 .  .  .  .  .  .
c191e_040 No0040   3C273 3mm_RDBE o  o  o  o  o  o  o  o  o  o  o  o  22 .  .  .  .  .  .
c191e_041 No0041     M87 3mm_RDBE o  o  o  o  o  o  o  57 o  o  o  o  14 .  .  .  .  .  .
c191e_042 No0042   3C273 3mm_RDBE o  o  o  o  o  o  o  o  o  o  o  o  o  o  .  .  .  .  .
c191e_043 No0043     M87 3mm_RDBE o  o  o  o  o  o  o  o  11 o  o  o  16 .  .  .  .  .  .
c191e_044 No0044     M87 3mm_RDBE o  o  o  o  o  o  o  o  x  o  o  o  46 .  .  .  .  .  .
c191e_045 No0045     M87 3mm_RDBE .  o  o  .  o  o  o  o  x  o  o  o  33 .  .  .  .  .  .
c191e_046 No0047   3C273 3mm_RDBE o  o  o  o  .  o  o  33 x  o  o  o  55 .  o  .  .  .  .
c191e_047 No0048     M87 3mm_RDBE o  o  o  o  o  o  o  o  x  o  o  o  42 .  o  .  .  .  .
c191e_048 No0049   3C273 3mm_RDBE o  o  o  o  .  o  o  33 x  o  o  o  44 .  o  .  .  .  .
c191e_049 No0050     M87 3mm_RDBE o  o  o  o  o  o  o  55 x  o  o  o  05 .  o  .  .  .  .
c191e_050 No0051     M87 3mm_RDBE .  o  o  .  o  o  o  20 x  o  o  o  46 .  .  .  .  .  .
c191e_051 No0053   3C273 3mm_RDBE o  .  o  o  .  o  o  33 x  o  x  o  33 .  o  .  .  .  .
c191e_052 No0054     M87 3mm_RDBE o  o  o  o  .  o  o  61 x  o  x  o  19 .  o  .  .  .  .
c191e_053 No0055   3C273 3mm_RDBE o  .  o  o  .  o  o  22 x  o  x  o  66 .  o  .  .  .  .
c191e_054 No0056     M87 3mm_RDBE o  o  o  o  .  o  o  o  x  o  x  o  11 .  o  .  .  .  .
c191e_055 No0057     M87 3mm_RDBE o  o  o  .  .  o  o  o  x  o  x  o  33 .  .  .  .  .  .
c191e_056 No0059   3C273 3mm_RDBE .  .  o  o  .  o  o  33 x  o  x  o  44 .  o  .  .  .  .
c191e_057 No0060     M87 3mm_RDBE o  o  o  o  .  o  o  22 o  o  x  o  08 .  o  .  .  .  .
c191e_058 No0061   3C273 3mm_RDBE .  .  o  o  .  o  o  22 22 o  x  o  44 o  o  .  .  .  .
c191e_059 No0062     M87 3mm_RDBE o  .  o  o  .  o  o  o  o  o  x  o  22 o  o  .  .  .  .
c191e_060 No0063     M87 3mm_RDBE .  .  o  o  .  o  o  40 o  o  x  o  06 o  .  .  .  .  .
c191e_061 No0065   3C273 3mm_RDBE .  .  .  .  .  o  o  33 33 o  x  o  22 o  o  .  .  .  .
c191e_062 No0066     M87 3mm_RDBE .  .  96 o  .  o  o  83 o  o  x  o  16 o  o  .  .  .  .
c191e_063 No0067   3C273 3mm_RDBE .  .  .  .  .  o  o  o  o  o  x  o  44 o  o  .  .  .  .
c191e_064 No0068     M87 3mm_RDBE .  .  .  .  .  o  o  77 o  o  x  o  50 o  o  .  .  .  .
c191e_065 No0069     M87 3mm_RDBE .  .  .  .  .  o  o  60 o  o  x  o  33 o  .  .  .  .  .
c191e_066 No0070   3C345 3mm_RDBE o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .  .
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c191e_067 No0071  MRK501 3mm_RDBE o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_068 No0073   3C273 3mm_RDBE .  .  .  .  .  o  o  33 33 o  x  o  o  33 88 .  .  .
c191e_069 No0074     M87 3mm_RDBE .  .  .  .  .  o  o  55 o  o  x  o  14 o  o  .  .  .
c191e_070 No0075   3C345 3mm_RDBE o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_071 No0076  MRK501 3mm_RDBE o  o  09 o  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_072 No0077   3C273 3mm_RDBE .  .  .  .  .  o  o  22 22 66 x  o  33 22 o  .  .  .
c191e_073 No0078     M87 3mm_RDBE .  .  .  .  .  o  o  o  o  o  x  o  o  o  o  .  .  .
c191e_074 No0079     M87 3mm_RDBE .  .  .  .  .  o  o  o  o  o  x  o  06 o  .  .  .  .
c191e_075 No0080   3C345 3mm_RDBE o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_076 No0081  MRK501 3mm_RDBE o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_077 No0083   3C273 3mm_RDBE .  .  .  .  .  o  o  66 66 o  x  o  55 66 o  .  .  .
c191e_078 No0084     M87 3mm_RDBE .  .  .  .  .  o  o  46 o  o  x  o  x  o  o  .  .  .
c191e_079 No0085   3C345 3mm_RDBE o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_080 No0086  MRK501 3mm_RDBE o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_081 No0087   3C273 3mm_RDBE .  .  .  .  .  o  o  11 o  22 x  o  o  o  o  .  .  .
c191e_082 No0088     M87 3mm_RDBE .  .  .  .  .  o  o  26 o  26 x  o  46 o  o  .  .  .
c191e_083 No0089     M87 3mm_RDBE .  .  .  .  .  o  60 o  o  46 x  o  13 o  .  .  .  .
c191e_084 No0090   3C345 3mm_RDBE o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_085 No0091  MRK501 3mm_RDBE o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_086 No0093   3C273 3mm_RDBE .  .  .  .  .  o  o  66 66 22 x  o  22 66 o  .  .  .
c191e_087 No0094     M87 3mm_RDBE .  .  .  .  .  o  o  46 13 50 x  o  76 o  o  .  .  .
c191e_088 No0095   3C345 3mm_RDBE o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_089 No0096  MRK501 3mm_RDBE o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_090 No0097   3C273 3mm_RDBE .  .  .  .  .  o  22 22 22 11 x  o  55 22 .  .  .  .
c191e_091 No0098     M87 3mm_RDBE .  .  .  .  .  o  o  20 o  o  x  o  26 o  .  .  .  .
c191e_092 No0099   3C345 3mm_RDBE o  o  x  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_093 No0100  MRK501 3mm_RDBE o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_094 No0101   3C273 3mm_RDBE .  .  .  .  .  o  o  44 44 o  x  o  11 44 .  .  .  .
c191e_095 No0102     M87 3mm_RDBE .  .  .  .  .  o  86 o  o  o  x  o  13 o  .  .  .  .
c191e_096 No0103   3C345 3mm_RDBE o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_097 No0104  MRK501 3mm_RDBE o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_098 No0105   3C273 3mm_RDBE .  .  .  .  .  o  o  o  o  o  x  o  40 o  .  .  .  .
c191e_099 No0106     M87 3mm_RDBE .  .  .  .  .  o  o  03 o  o  x  o  07 o  .  .  .  .
c191e_100 No0107     M87 3mm_RDBE .  .  .  .  .  o  93 o  o  o  x  o  80 o  .  .  .  .
c191e_101 No0108   3C345 3mm_RDBE o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_102 No0109  MRK501 3mm_RDBE o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_103 No0110   3C345 3mm_RDBE o  o  o  o  o  o  41 33 o  o  x  o  41 o  .  .  .  .
c191e_104 No0111  MRK501 3mm_RDBE o  o  o  o  o  o  o  o  o  o  x  o  14 o  .  .  .  .
c191e_105 No0112   3C345 3mm_RDBE o  o  o  o  o  o  16 41 41 o  x  o  41 o  .  .  .  .
c191e_106 No0113  MRK501 3mm_RDBE o  o  o  o  o  o  o  47 o  o  x  o  38 o  .  .  .  .
c191e_107 No0114   3C345 3mm_RDBE o  o  o  o  o  o  33 41 41 o  x  o  16 41 .  .  .  .
c191e_108 No0115  MRK501 3mm_RDBE o  o  o  o  o  o  42 o  o  04 x  o  19 o  .  .  .  .
c191e_109 No0116 1633+38 3mm_RDBE o  o  o  o  o  o  25 50 50 o  x  o  50 41 .  .  .  .
c191e_110 No0117  MRK501 3mm_RDBE o  o  o  o  o  o  28 14 o  o  x  o  14 o  .  .  .  .
c191e_111 No0118   3C345 3mm_RDBE o  o  o  o  o  o  16 41 41 o  x  o  16 41 .  .  .  .
c191e_112 No0119  MRK501 3mm_RDBE o  o  o  o  o  o  23 o  o  o  x  o  14 o  .  .  .  .
c191e_113 No0120   3C345 3mm_RDBE o  o  o  o  o  o  o  41 41 o  x  o  50 41 .  .  .  .
c191e_114 No0121  MRK501 3mm_RDBE o  o  o  o  o  o  33 o  o  o  x  o  19 o  .  .  .  .
c191e_115 No0122   3C345 3mm_RDBE o  o  o  o  o  o  o  41 41 o  x  o  25 41 .  .  .  .
c191e_116 No0123  MRK501 3mm_RDBE o  o  o  o  o  o  o  19 o  33 x  o  19 o  .  .  .  .
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c191e_117 No0124   3C345 3mm_RDBE o  o  o  o  o  o  o  41 41 58 x  o  25 41 .  .  .  .
c191e_118 No0125  MRK501 3mm_RDBE o  o  o  o  o  o  o  o  o  52 x  o  14 o  .  .  .  .
c191e_119 No0126   3C345 3mm_RDBE o  o  o  o  o  o  o  41 41 o  x  58 91 41 .  .  .  .
c191e_120 No0127  MRK501 3mm_RDBE o  o  o  o  o  o  66 03 o  o  x  o  23 o  .  .  .  .
c191e_121 No0128   3C345 3mm_RDBE .  o  .  .  o  o  o  83 83 o  x  o  33 83 .  .  .  .
c191e_122 No0129  MRK501 3mm_RDBE o  o  o  o  o  o  o  63 o  96 x  o  10 o  .  .  .  .
c191e_123 No0130   3C345 3mm_RDBE .  .  .  .  .  o  o  25 83 o  x  o  91 83 .  .  .  .
c191e_124 No0131  MRK501 3mm_RDBE .  .  .  .  .  o  o  o  o  o  x  o  20 o  .  .  .  .
c191e_125 No0132 3C454.3 3mm_RDBE o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_126 No0133 3C454.3 3mm_RDBE o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_127 No0134   3C345 3mm_RDBE .  .  .  .  .  o  o  41 83 o  x  o  o  83 .  .  .  .
c191e_128 No0135  MRK501 3mm_RDBE .  .  .  .  .  o  09 04 o  o  x  o  14 o  .  .  .  .
c191e_129 No0136 3C454.3 3mm_RDBE o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c191e_130 No0137 1633+38 3mm_RDBE .  .  .  .  .  o  93 40 53 o  x  o  o  60 .  .  .  .
c191e_131 No0138  MRK501 3mm_RDBE .  .  .  .  .  o  06 06 o  o  x  o  03 o  .  .  .  .
c191e_132 No0139   3C345 3mm_RDBE .  .  .  .  .  o  o  66 66 o  x  o  06 66 .  o  x  o
c191e_133 No0140  MRK501 3mm_RDBE .  .  .  .  .  o  90 30 o  63 x  o  10 o  .  o  x  80
c191e_134 No0141   3C345 3mm_RDBE .  .  .  .  .  o  o  58 58 o  x  o  33 58 .  o  x  o
c191e_135 No0142  MRK501 3mm_RDBE .  .  .  .  .  o  43 10 o  o  x  o  23 o  .  o  x  o
c191e_136 No0143   3C345 3mm_RDBE .  .  .  .  .  o  33 41 83 o  x  o  08 83 .  o  x  o
c191e_137 No0144  MRK501 3mm_RDBE .  .  .  .  .  o  o  10 o  o  x  o  20 o  .  o  x  o
c191e_138 No0145   3C345 3mm_RDBE .  .  .  .  .  o  46 86 86 o  x  o  06 86 .  o  x  o
c191e_139 No0146  MRK501 3mm_RDBE .  .  .  .  .  o  o  o  o  o  x  o  13 o  .  o  x  o
c191e_140 No0147   3C345 3mm_RDBE .  .  .  .  .  o  o  66 66 o  x  o  20 66 .  o  x  o
c191e_141 No0148  MRK501 3mm_RDBE .  .  .  .  .  o  76 63 o  o  x  o  13 o  .  o  x  o
c191e_142 No0149 1633+38 3mm_RDBE .  .  .  .  .  o  o  58 33 o  x  o  66 58 .  o  x  o
c191e_143 No0150  MRK501 3mm_RDBE .  .  .  .  .  o  o  78 o  o  x  o  11 x  .  o  x  o
c191e_144 No0151   3C345 3mm_RDBE .  .  .  .  .  o  o  53 53 o  x  o  26 x  .  o  x  o
c191e_145 No0152  MRK501 3mm_RDBE .  .  .  .  .  o  83 56 o  o  x  o  60 x  .  o  x  o
c191e_146 No0153   3C345 3mm_RDBE .  .  .  .  .  o  06 33 66 o  x  o  33 x  .  o  x  o
c191e_147 No0154  MRK501 3mm_RDBE .  .  .  .  .  o  63 13 o  o  x  o  10 o  .  o  x  o
c191e_148 No0155   3C345 3mm_RDBE .  .  .  .  .  o  o  25 58 o  x  o  58 33 .  o  x  o
c191e_149 No0156  MRK501 3mm_RDBE .  .  .  .  .  o  50 03 o  o  x  o  26 o  .  o  x  o
c191e_150 No0157   3C345 3mm_RDBE .  .  .  .  .  o  o  13 86 o  x  o  13 86 .  o  x  o
c191e_151 No0158  MRK501 3mm_RDBE .  .  .  .  .  o  o  03 o  13 x  o  06 o  .  o  x  o
c191e_152 No0159   3C345 3mm_RDBE .  .  .  .  .  o  o  41 58 o  58 o  08 58 .  o  x  o
c191e_153 No0160  MRK501 3mm_RDBE .  .  .  .  .  o  o  08 o  87 o  o  37 o  .  o  x  o
c191e_154 No0161 1633+38 3mm_RDBE .  .  .  .  .  o  41 o  o  o  o  o  58 o  .  o  x  o
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