C211B Correlation Report

General Information

- Includes 2 science projects: MK017B1+B2 and POLCAL1.
- Includes 3mm and 7mm parts
- Session info: http://www3.mpifr-bonn.mpg.de/div/vlbi/globalmm/
- Station feedback: http://www3.mpifr-bonn.mpg.de/div/vlbi/globalmm/sessions/apr21/feedback_apr21.asc
- Text files with detailed antenna statistics, scroll down to get to the cumulative statistics for the whole experiment:
  c211b_3mm_ALL.antrep

  c211b_7mm_ALL.antrep

Current Status

Correlation finished, data **released to PI** on 25.11.2021.

The second release, v2, was prepared in February 2022 and fixes 3mm, the 7mm remains unaffected.

Fringes

Station	Code	Fringes	Plots	Comments
Ef	B	yes	Fringe overview of all baselines including this antenna in LL(left for each baseline) and RR (right for each baseline). Legend: white box - scheduled, but no data (or sometimes fourfit had trouble with the particular baseline/pol, so no data in alist), blue - no fringe, shades of green and brown -- fringes of varying quality, with bright green designating the best and brownish-red the worst.. c211b_3mm_FRINGE_RfAnt_Ef_LLRR_AllSrc.pdf Examples of fourfit fringe plots can be found in (all fringe plots with baselines including the given antenna): c211b_3mm_No0160_all.pdf Antenna statistics: c211b_3mm_Ef.antrep **Same for all antennas below unless otherwise noted.**	Mostly clear sky Participated in 100% scans (3mm only), fringes in 54% baselines*||pols, mean SNR 309.
On	X	yes	c211b_3mm_FRINGE_RfAnt_On_LLRR_AllSrc.pdf c211b_3mm_No0160_all.pdf c211b_3mm_On.antrep	Mostly clear sky. The 4mm receiver was used. Participated in 100% scans (3mm only), fringes in 55% baselines*||pols, mean SNR 186.

Station	Code	Fringes	Plots	Comments
Ys	Y	**no**		**missed the whole experiment due to the blind repairs**
Mh	Z	**yes**	c211b_3mm_FRINGE_RfAnt_Mh_LLRR_AllSrc.pdf c211b_3mm_No0160_all.pdf c211b_3mm_Mh.antrep	**Bad weather** for most of the observations (rain or wet snow, heavy clouds). Participated in 94% scans (3mm only), fringes in 34% baselines*||pols, mean SNR 47.
Pv	P	**yes**	c211b_3mm_FRINGE_RfAnt_Pv_LLRR_AllSrc.pdf c211b_3mm_No0160_all.pdf c211b_3mm_Pv.antrep	**Bad weather.** "Participated" in 62% scans (3mm only). **This represents the number of recorded scans, but for part of those the antenna was stowed due to the weather. See the fringe overview for the good and bad scans.** fringes in 21% baselines*||pols, mean SNR 68.
NOEMA: Nn	N	**yes**	c211b_3mm_FRINGE_RfAnt_Nn_LLRR_AllSrc.pdf c211b_3mm_No0160_all.pdf, c211b_3mm_No0177_N.pdf c211b_3mm_Nn.antrep	Participated in 100% scans (3mm only), fringes in 72% baselines*||pols, mean SNR 306. (there was a large clock drift in the first production correlation, but it was fixed in the second release by using a better phase center)
GLT: Gl	g	**yes**	c211b_3mm_FRINGE_RfAnt_Gl_LLRR_AllSrc.pdf c211b_3mm_No0177_g.pdf c211b_3mm_Gl.antrep	Storm and high wind for part of the observations. Participated in 100% scans (3mm only), fringes in 26% baselines*||pols, mean SNR 26.
VLBA: Br	b	**yes**	c211b_3mm_FRINGE_RfAnt_Br_LLRR_AllSrc.pdf c211b_3mm_No0160_all.pdf, c211b_3mm_No0254_all.pdf c211b_3mm_Br.antrep c211b_7mm_FRINGE_RfAnt_Br_LLRR_AllSrc.pdf c211b_7mm_No0072_all.pdf	3mm: Participated in 99% scans, fringes in 21% baselines*||pols, mean SNR 20. 7mm: Participated in 99% scans, fringes in 95%

Station	Code	Fringes	Plots	Comments
			c211b_7mm_Br.antrep	baselines*||pols, mean SNR 129.
VLBA: Fd	f	yes	c211b_3mm_FRINGE_RfAnt_Fd_LLRR_AllSrc.pdf c211b_3mm_No0160_all.pdf, c211b_3mm_No0254_all.pdf c211b_3mm_Fd.antrep c211b_7mm_FRINGE_RfAnt_Br_LLRR_AllSrc.pdf c211b_7mm_No0072_all.pdf c211b_7mm_Fd.antrep	3mm: Participated in 98% scans, fringes in 34% baselines*||pols, mean SNR 23. 7mm: Participated in 98% scans, fringes in 97% baselines*||pols, mean SNR 176.
VLBA: Kp	k	yes	c211b_3mm_FRINGE_RfAnt_Kp_LLRR_AllSrc.pdf c211b_3mm_No0160_all.pdf, c211b_3mm_No0254_all.pdf c211b_3mm_Kp.antrep c211b_7mm_FRINGE_RfAnt_Kp_LLRR_AllSrc.pdf c211b_7mm_No0072_all.pdf c211b_7mm_Kp.antrep	3mm: Participated in 100% scans, fringes in 39% baselines*||pols, mean SNR 22. 7mm: Participated in 100% scans, fringes in 98% baselines*||pols, mean SNR 205.
VLBA: La	l	yes	c211b_3mm_FRINGE_RfAnt_La_LLRR_AllSrc.pdf c211b_3mm_No0160_all.pdf, c211b_3mm_No0254_all.pdf c211b_3mm_La.antrep c211b_7mm_FRINGE_RfAnt_La_LLRR_AllSrc.pdf c211b_7mm_No0072_all.pdf c211b_7mm_La.antrep	3mm: Participated in 100% scans, fringes in 20% baselines*||pols, mean SNR 15. 7mm: Participated in 100% scans, fringes in 95% baselines*||pols, mean SNR 150.
VLBA: Mk	m	yes	c211b_3mm_FRINGE_RfAnt_Mk_LLRR_AllSrc.pdf c211b_3mm_No0160_all.pdf, c211b_3mm_No0254_all.pdf, c211b_3mm_No0122_m.pdf c211b_3mm_Mk.antrep c211b_7mm_FRINGE_RfAnt_Mk_LLRR_AllSrc.pdf c211b_7mm_No0072_all.pdf	3mm: Participated in 88% scans, fringes in 22% baselines*||pols, mean SNR 17. 7mm: Participated in 92% scans, fringes in 97% baselines*||pols, mean SNR 114.

Station	Code	Fringes	Plots	Comments
			c211b_7mm_Mk.antrep	**dropped out for several scans due to USNO observations**
VLBA: Nl	n	**yes**	c211b_3mm_FRINGE_RfAnt_Nl_LLRR_AllSrc.pdf c211b_3mm_No0160_all.pdf, c211b_3mm_No0254_all.pdf, c211b_3mm_No0166_n.pdf c211b_3mm_Nl.antrep c211b_7mm_FRINGE_RfAnt_Nl_LLRR_AllSrc.pdf c211b_7mm_No0072_all.pdf c211b_7mm_Nl.antrep	3mm: Participated in 100% scans, fringes in 20% baselines*||pols, mean SNR 15. 7mm: Participated in 100% scans, fringes in 95% baselines*||pols, mean SNR 128.
VLBA: Ov	o	**yes**	c211b_3mm_FRINGE_RfAnt_Ov_LLRR_AllSrc.pdf c211b_3mm_No0160_all.pdf, c211b_3mm_No0254_all.pdf, c211b_3mm_No0101_o.pdf c211b_3mm_Ov.antrep c211b_7mm_FRINGE_RfAnt_Ov_LLRR_AllSrc.pdf c211b_7mm_No0072_all.pdf c211b_7mm_Ov.antrep	. 3mm: Participated in 100% scans, fringes in 26% baselines*||pols, mean SNR 25. 7mm: Participated in 100% scans, fringes in 96% baselines*||pols, mean SNR 135.
VLBA: Pt	p	**yes**	c211b_3mm_FRINGE_RfAnt_Pt_LLRR_AllSrc.pdf c211b_3mm_No0160_all.pdf, c211b_3mm_No0254_all.pdf c211b_3mm_Pt.antrep c211b_7mm_FRINGE_RfAnt_Pt_LLRR_AllSrc.pdf c211b_7mm_No0072_all.pdf c211b_7mm_Pt.antrep	3mm: Participated in 93% scans, fringes in 19% baselines*||pols, mean SNR 17. 7mm: Participated in 94% scans, fringes in 95% baselines*||pols, mean SNR 133. **dropped out for several scans due to USNO observations**
VLBA: Hn	h		c211b_7mm_FRINGE_RfAnt_Hn_LLRR_AllSrc.pdf c211b_7mm_No0072_all.pdf c211b_7mm_Hn.antrep	Participated in 100% scans (7mm only), fringes in 86% baselines*||pols, mean SNR 66

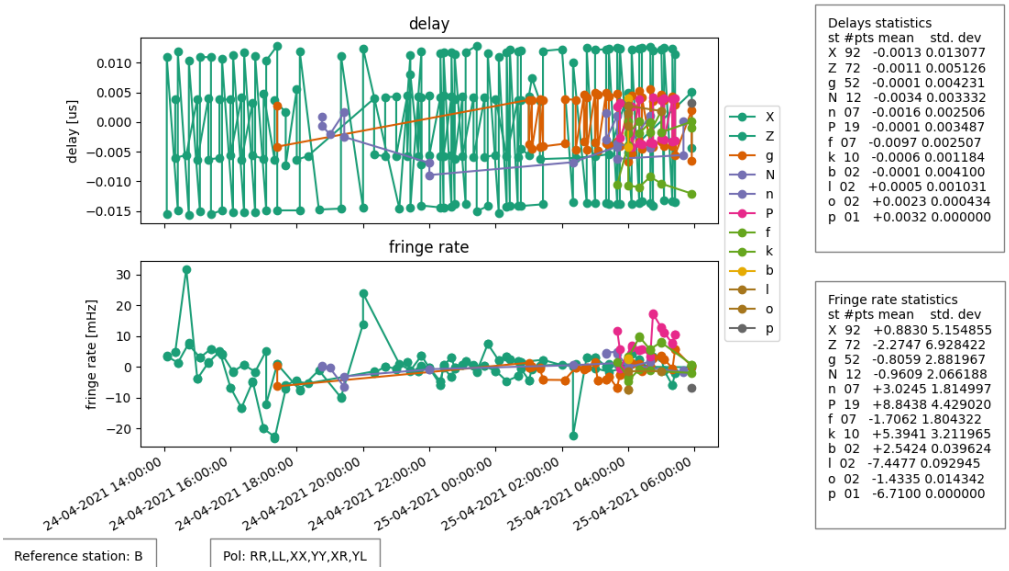
Station	Code	Fringes	Plots	Comments
VLBA: Sc	c		c211b_7mm_FRINGE_RfAnt_Sc_LLRR_AllSrc.pdf c211b_7mm_No0072_all.pdf c211b_7mm_Sc.antrep ----------	Participated in 92% scans (7mm only), fringes in 91% baselines*||pols, mean SNR 50

Notes

Post-Correlation checks

Residuals

c211b 3mm, Ef as reference:



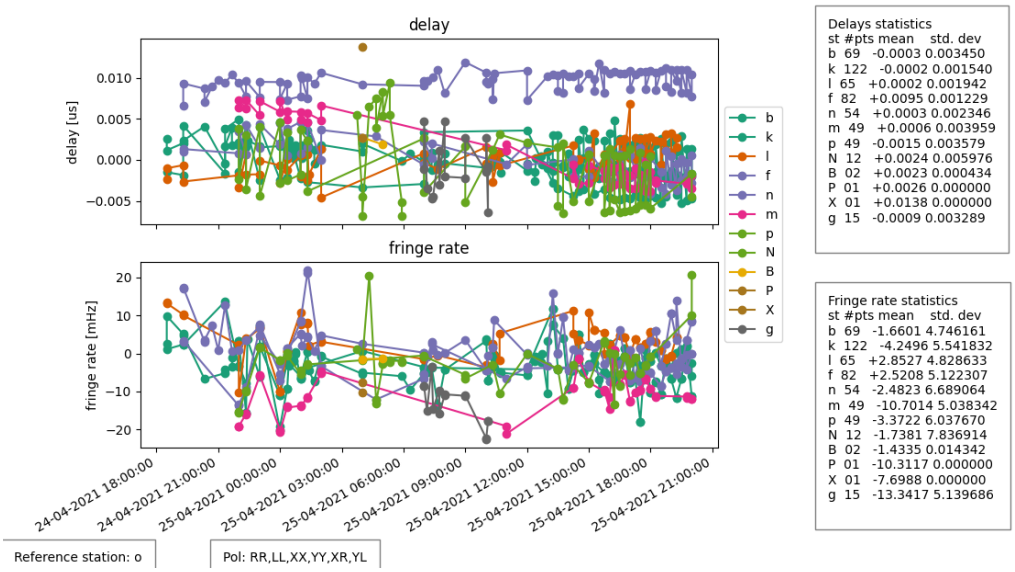
Delays statistics

st	#pts	mean	std. dev
X	92	-0.0013	0.013077
Z	72	-0.0011	0.005126
g	52	-0.0001	0.004231
N	12	-0.0034	0.003332
n	07	-0.0016	0.002506
P	19	-0.0001	0.003487
f	07	-0.0097	0.002507
k	10	-0.0006	0.001184
b	02	-0.0001	0.004100
l	02	+0.0005	0.001031
o	02	+0.0023	0.000434
p	01	+0.0032	0.000000

Fringe rate statistics

st	#pts	mean	std. dev
X	92	+0.8830	5.154855
Z	72	-2.2747	6.928422
g	52	-0.8059	2.881967
N	12	-0.9609	2.066188
n	07	+3.0245	1.814997
P	19	+8.8438	4.429020
f	07	-1.7062	1.804322
k	10	+5.3941	3.211965
b	02	+2.5424	0.039624
l	02	-7.4477	0.092945
o	02	-1.4335	0.014342
p	01	-6.7100	0.000000

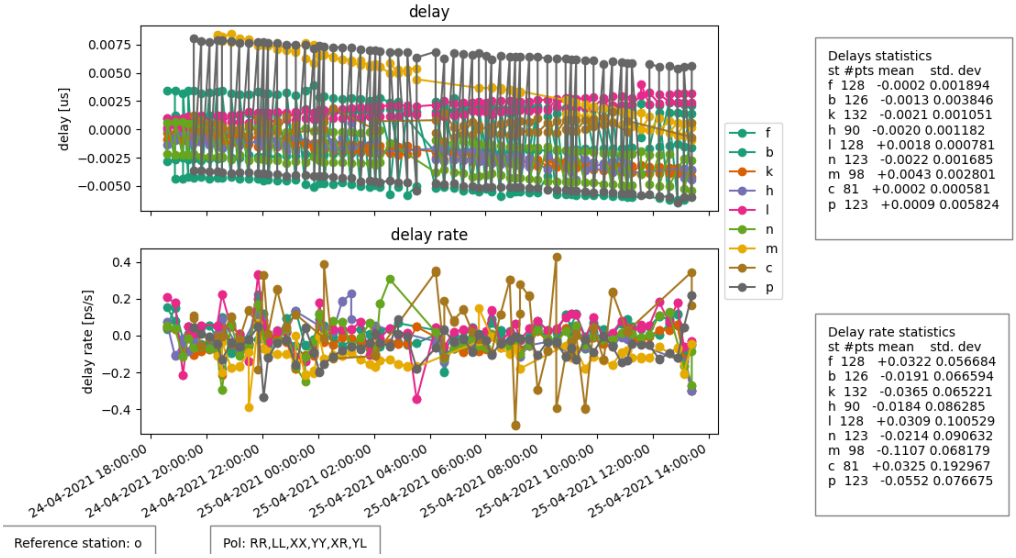
c211b 3mm, Ov as reference:



Delays statistics
st #pts mean std. dev
b 69 -0.0003 0.003450
k 122 -0.0002 0.001540
l 65 +0.0002 0.001942
f 82 +0.0095 0.001229
n 54 +0.0003 0.002346
m 49 +0.0006 0.003959
p 49 -0.0015 0.003579
N 12 +0.0024 0.005976
B 02 +0.0023 0.000434
P 01 +0.0026 0.000000
X 01 +0.0138 0.000000
g 15 -0.0009 0.003289

Fringe rate statistics
st #pts mean std. dev
b 69 -1.6601 4.746161
k 122 -4.2496 5.541832
l 65 +2.8527 4.828633
f 82 +2.5208 5.122307
n 54 -2.4823 6.689064
m 49 -10.7014 5.038342
p 49 -3.3722 6.037670
N 12 -1.7381 7.836914
B 02 -1.4335 0.014342
P 01 -10.3117 0.000000
X 01 -7.6988 0.000000
g 15 -13.3417 5.139686

c211b 7mm, Ov as reference:



Delays statistics
st #pts mean std. dev
f 128 -0.0002 0.001894
b 126 -0.0013 0.003846
k 132 -0.0021 0.001051
h 90 -0.0020 0.001182
l 128 +0.0018 0.000781
n 123 -0.0022 0.001685
m 98 +0.0043 0.002801
c 81 +0.0002 0.000581
p 123 +0.0009 0.005824

Delay rate statistics
st #pts mean std. dev
f 128 +0.0322 0.056684
b 126 -0.0191 0.066594
k 132 -0.0365 0.065221
h 90 -0.0184 0.086285
l 128 +0.0309 0.100529
n 123 -0.0214 0.090632
m 98 -0.1107 0.068179
c 81 +0.0325 0.192967
p 123 -0.0552 0.076675

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
```

c211b.3mm.fits:

```
                                EF ON YS PV NN MH GL FD NL OV PT BR KP LA MK
c211b_001 No0001 0420-014 86ghz o  o  x  x  o  o  .  .  .  .  .  .  .  .  .
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c211b_002 No0002 0506+056 86ghz o  o  x  x  o  o  .  .  .  .  .  .  .  .  .
c211b_003 No0003 0420-014 86ghz o  o  x  x  o  o  .  .  .  .  .  .  .  .  .
c211b_004 No0004 0506+056 86ghz o  o  x  x  o  o  .  .  .  .  .  .  .  .  .
c211b_005 No0005 0420-014 86ghz o  o  x  x  o  o  .  .  .  .  .  .  .  .  .
c211b_006 No0006 0506+056 86ghz o  o  x  x  o  o  .  .  .  .  .  .  .  .  .
c211b_007 No0007 0420-014 86ghz o  o  x  x  o  o  .  .  .  .  .  .  .  .  .
c211b_008 No0008 0506+056 86ghz o  o  x  x  o  o  .  .  .  .  .  .  .  .  .
c211b_009 No0009 0420-014 86ghz o  o  x  x  o  o  .  .  .  .  .  .  .  .  .
c211b_010 No0010 0506+056 86ghz o  o  x  x  o  o  .  .  .  .  .  .  .  .  .
c211b_011 No0011 0420-014 86ghz o  o  x  x  o  o  .  .  .  .  .  .  .  .  .
c211b_012 No0012 0506+056 86ghz o  o  x  x  o  o  .  .  .  .  .  .  .  .  .
c211b_013 No0013 0420-014 86ghz o  o  x  x  o  o  .  .  .  .  .  .  .  .  .
c211b_014 No0014 0506+056 86ghz o  o  x  x  o  o  .  .  .  .  .  .  .  .  .
c211b_015 No0015 0420-014 86ghz o  o  x  x  o  o  .  .  .  .  .  .  .  .  .
c211b_016 No0016 0506+056 86ghz o  o  x  x  o  o  .  .  .  .  .  .  .  .  .
c211b_017 No0017 0420-014 86ghz o  o  x  x  o  o  .  .  .  .  .  .  .  .  .
c211b_018 No0018 0506+056 86ghz o  o  x  x  o  o  .  .  .  .  .  .  .  .  .
c211b_019 No0019 0420-014 86ghz o  o  x  x  o  o  o  .  .  .  .  .  .  .  .
c211b_020 No0020 0506+056 86ghz o  o  x  x  o  o  o  .  .  .  .  .  .  .  .
c211b_021 No0021 0420-014 86ghz o  o  x  x  o  o  o  .  .  .  .  .  .  .  .
c211b_022 No0022 0506+056 86ghz o  o  x  x  o  o  o  .  .  .  .  .  .  .  .
c211b_023 No0023 0723-008 86ghz o  o  x  x  o  o  .  .  .  .  .  .  .  .  .
c211b_024 No0024 0506+056 86ghz o  o  x  x  o  o  o  .  .  .  .  .  .  .  .
c211b_025 No0025 0723-008 86ghz o  o  x  x  o  o  .  .  .  .  .  .  .  .  .
c211b_026 No0026 0506+056 86ghz o  o  x  x  o  o  o  .  .  .  .  .  .  .  .
c211b_027 No0027 0723-008 86ghz o  o  x  x  o  o  .  .  .  .  .  .  .  .  .
c211b_028 No0028 0506+056 86ghz o  o  x  x  o  o  o  .  .  .  .  .  .  .  .
c211b_029 No0029 0420-014 86ghz .  .  .  .  .  .  .  o  o  o  x  o  o  o  .
c211b_030 No0031 0723-008 86ghz o  o  x  x  o  .  .  .  .  .  .  .  .  .  .
c211b_031 No0032 0506+056 86ghz o  o  x  x  o  .  o  o  o  o  x  o  o  o  .
c211b_032 No0034 0506+056 86ghz o  o  x  x  o  .  o  o  o  o  x  o  o  o  .
c211b_033 No0036 0723-008 86ghz o  o  x  x  o  .  .  .  .  .  .  .  .  .  .
c211b_034 No0037 0420-014 86ghz .  .  .  .  .  .  .  o  o  o  x  o  o  o  .
c211b_035 No0039 0506+056 86ghz o  o  x  x  o  .  o  o  o  o  x  o  o  o  .
c211b_036 No0041 0506+056 86ghz .  .  x  x  .  .  o  o  o  o  o  o  o  o  .
c211b_037 No0043 0506+056 86ghz .  .  x  85 .  .  o  o  o  o  o  o  o  o  o
c211b_038 No0045    3C273 86ghz o  o  .  .  o  o  .  .  .  .  .  .  .  .  .
c211b_039 No0046 0420-014 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  o
c211b_040 No0048 0506+056 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  o
c211b_041 No0050    3C273 86ghz o  o  x  o  o  o  .  .  .  .  .  .  .  .  .
c211b_042 No0051 0420-014 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  o
c211b_043 No0052 0506+056 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  o
c211b_044 No0054    3C279 86ghz o  o  x  o  o  o  .  .  .  .  .  .  .  .  .
c211b_045 No0055 1502+106 86ghz o  o  x  o  o  o  .  .  .  .  .  .  .  .  .
c211b_046 No0056 0420-014 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_047 No0057 0506+056 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  o
c211b_048 No0059    3C279 86ghz o  o  x  o  o  o  .  .  .  .  .  .  .  .  .
c211b_049 No0060 1502+106 86ghz o  o  x  o  o  o  .  .  .  .  .  .  .  .  .
c211b_050 No0061 0420-014 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_051 No0062 0506+056 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  o
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c211b_052 No0064    3C279 86ghz o  o  x  o  o  o  .  .  .  .  .  .  .  .  .
c211b_053 No0065 1502+106 86ghz o  o  x  o  o  o  .  .  .  .  .  .  .  .  .
c211b_054 No0066 0420-014 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_055 No0067 0506+056 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  o
c211b_056 No0069    3C279 86ghz o  o  x  o  o  o  .  .  .  .  .  .  .  .  .
c211b_057 No0070 1502+106 86ghz o  o  x  o  o  o  .  .  .  .  .  .  .  .  .
c211b_058 No0071 0420-014 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_059 No0073 0506+056 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  o
c211b_060 No0075    3C279 86ghz o  o  x  o  o  o  .  .  .  .  .  .  .  .  .
c211b_061 No0076 0420-014 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_062 No0077 0506+056 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  o
c211b_063 No0079    3C279 86ghz o  o  x  o  o  o  .  .  .  .  .  .  .  .  .
c211b_064 No0080 1502+106 86ghz o  o  x  o  o  o  .  .  .  .  .  .  .  .  .
c211b_065 No0081 0723-008 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  o
c211b_066 No0082 0506+056 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  o
c211b_067 No0084    3C279 86ghz o  o  x  o  o  o  .  .  .  .  .  .  .  .  .
c211b_068 No0085 1502+106 86ghz o  o  x  o  o  o  .  .  .  .  .  .  .  .  .
c211b_069 No0086 0420-014 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_070 No0087 0506+056 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  o
c211b_071 No0089    3C279 86ghz o  o  x  o  o  o  .  .  .  .  .  .  .  .  .
c211b_072 No0090 1502+106 86ghz o  o  x  o  o  o  .  .  .  .  .  .  .  .  .
c211b_073 No0091 0420-014 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_074 No0092 0506+056 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_075 No0094    3C279 86ghz o  o  x  o  o  o  .  .  .  .  .  .  .  .  .
c211b_076 No0095 1502+106 86ghz o  o  x  o  o  o  .  .  .  .  .  .  .  .  .
c211b_077 No0096 0723-008 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_078 No0097 0506+056 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_079 No0099    3C279 86ghz o  o  x  o  o  o  .  .  .  .  .  .  .  .  .
c211b_080 No0100 1502+106 86ghz o  o  x  o  o  o  .  .  .  .  .  .  .  .  .
c211b_081 No0101 0420-014 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_082 No0103 0506+056 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_083 No0105    3C279 86ghz o  o  x  o  o  o  .  .  .  .  .  .  .  .  .
c211b_084 No0106 1502+106 86ghz o  o  x  o  o  o  .  .  .  .  .  .  .  .  .
c211b_085 No0107 0420-014 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_086 No0108 0506+056 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_087 No0110    3C279 86ghz o  o  x  o  o  o  .  .  .  .  .  .  .  .  .
c211b_088 No0111 1502+106 86ghz o  o  x  o  o  o  .  .  .  .  .  .  .  .  .
c211b_089 No0112 0723-008 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_090 No0113 0506+056 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_091 No0115    3C273 86ghz o  o  x  o  o  o  .  .  .  .  .  .  .  .  .
c211b_092 No0116 1502+106 86ghz o  o  x  o  o  o  .  .  .  .  .  .  .  .  .
c211b_093 No0117 0420-014 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_094 No0118 0506+056 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_095 No0120    3C273 86ghz o  o  x  o  o  o  o  .  .  .  .  .  .  .  .
c211b_096 No0121 1502+106 86ghz o  o  x  o  o  o  o  .  .  .  .  .  .  .  .
c211b_097 No0122 0420-014 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_098 No0123 0506+056 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_099 No0125    3C273 86ghz o  o  x  o  o  o  o  .  .  .  .  .  .  .  .
c211b_100 No0126 1502+106 86ghz o  o  x  o  o  o  o  .  .  .  .  .  .  .  .
c211b_101 No0127 0723-008 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
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c211b_102 No0128 0506+056 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_103 No0130 1546+027 86ghz o  o  x  o  o  o  .  .  .  .  .  .  .  .  .
c211b_104 No0131 1502+106 86ghz o  o  x  o  o  o  o  .  .  .  .  .  .  .  .
c211b_105 No0132 0723-008 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_106 No0134 0506+056 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_107 No0136 1546+027 86ghz o  o  x  o  o  o  .  .  .  .  .  .  .  .  .
c211b_108 No0137 1502+106 86ghz o  o  x  o  o  o  o  .  .  .  .  .  .  .  .
c211b_109 No0138 0723-008 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_110 No0139 0506+056 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_111 No0141 1546+027 86ghz o  o  x  o  o  o  .  .  .  .  .  .  .  .  .
c211b_112 No0142 1502+106 86ghz o  o  x  o  o  o  o  .  .  .  .  .  .  .  .
c211b_113 No0143 0723-008 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_114 No0144 0506+056 86ghz .  .  .  .  .  .  .  o  .  o  o  o  o  o  o
c211b_115 No0146 1546+027 86ghz o  o  x  o  o  o  o  .  .  .  .  .  .  .  .
c211b_116 No0147 1502+106 86ghz o  o  x  o  o  o  o  .  .  .  .  .  .  .  .
c211b_117 No0148 0723-008 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_118 No0149 0506+056 86ghz .  .  .  .  .  .  .  o  .  o  o  o  o  o  o
c211b_119 No0151 1546+027 86ghz o  o  x  o  o  o  o  .  .  .  .  .  .  .  .
c211b_120 No0152 1502+106 86ghz o  o  x  o  o  o  o  .  .  .  .  .  .  .  .
c211b_121 No0153 0723-008 86ghz .  .  .  .  .  .  .  .  .  o  o  o  o  o  o
c211b_122 No0154 0506+056 86ghz .  .  .  .  .  .  .  .  .  o  o  o  o  o  o
c211b_123 No0156 1546+027 86ghz o  o  x  o  o  o  o  o  o  .  .  .  .  .  .
c211b_124 No0157 1502+106 86ghz o  o  x  o  o  o  o  o  o  o  .  .  .  .  .
c211b_125 No0158 1546+027 86ghz o  o  x  o  o  o  o  o  o  o  .  o  .  .  o
c211b_126 No0159 1502+106 86ghz o  o  x  o  o  o  o  o  o  o  o  o  o  o  .
c211b_127 No0160    3C345 86ghz o  o  x  o  o  o  o  o  o  o  o  o  o  o  .
c211b_128 No0161 1502+106 86ghz o  o  x  o  o  o  o  o  o  o  o  o  o  o  .
c211b_129 No0163 1546+027 86ghz o  o  x  o  o  o  o  o  o  o  o  o  o  o  .
c211b_130 No0164 1502+106 86ghz o  o  x  o  o  o  o  o  o  o  o  o  o  o  .
c211b_131 No0166 1546+027 86ghz o  o  x  o  o  o  o  o  o  o  o  o  o  o  .
c211b_132 No0167 1502+106 86ghz o  o  x  o  o  o  o  o  o  o  o  o  o  o  .
c211b_133 No0169 1546+027 86ghz o  o  x  o  o  o  o  o  o  o  o  o  o  o  .
c211b_134 No0170 1502+106 86ghz o  o  x  o  o  o  o  o  o  o  o  o  o  o  .
c211b_135 No0172 1546+027 86ghz o  o  x  o  o  .  o  o  o  o  o  o  o  o  .
c211b_136 No0173 1502+106 86ghz o  o  x  o  o  .  o  o  o  o  o  o  o  o  .
c211b_137 No0175 1502+106 86ghz o  o  x  o  o  .  o  o  o  o  o  o  o  o  .
c211b_138 No0177    3C345 86ghz o  o  x  o  o  o  o  o  o  o  o  o  o  o  .
c211b_139 No0179 1502+106 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  .
c211b_140 No0181 1546+027 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  .
c211b_141 No0182 1502+106 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  .
c211b_142 No0184 1546+027 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  o
c211b_143 No0185 1502+106 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  o
c211b_144 No0187    3C345 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  o
c211b_145 No0189 1502+106 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  o
c211b_146 No0191 1546+027 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  33
c211b_147 No0192 1502+106 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  x
c211b_148 No0194 1546+027 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  x
c211b_149 No0195 1502+106 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  x
c211b_150 No0197    3C345 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  x
c211b_151 No0198 1502+106 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  x
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c211b_152 No0200 1546+027 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  x
c211b_153 No0201 1502+106 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  x
c211b_154 No0203 1546+027 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  o
c211b_155 No0204 1502+106 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  o
c211b_156 No0206    3C345 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  o
c211b_157 No0208 1502+106 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  o
c211b_158 No0210 1546+027 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  o
c211b_159 No0211 1502+106 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  o
c211b_160 No0213 1546+027 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  o
c211b_161 No0214 1502+106 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  o
c211b_162 No0216    3C345 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  o
c211b_163 No0217 1502+106 86ghz .  .  .  .  .  .  o  o  o  o  o  o  o  o  o
c211b_164 No0219 1546+027 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_165 No0220 1502+106 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_166 No0222 1546+027 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_167 No0223 1502+106 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_168 No0225    3C345 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_169 No0227 1502+106 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_170 No0229 1546+027 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_171 No0230 1502+106 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_172 No0232 1546+027 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_173 No0233 1502+106 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_174 No0235    3C345 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_175 No0236 1502+106 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  95
c211b_176 No0238 1546+027 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_177 No0239 1502+106 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_178 No0241 1546+027 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_179 No0242 1502+106 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_180 No0244    3C345 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_181 No0246  3C454.3 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_182 No0248    BLLAC 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_183 No0249  3C454.3 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_184 No0250    3C345 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_185 No0251    BLLAC 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_186 No0252  3C454.3 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_187 No0253    3C345 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_188 No0254    BLLAC 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_189 No0255  3C454.3 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_190 No0256    3C345 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_191 No0257  3C454.3 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_192 No0258    BLLAC 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_193 No0259  3C454.3 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_194 No0260    BLLAC 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_195 No0261  3C454.3 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_196 No0262    BLLAC 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_197 No0263  3C454.3 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_198 No0264    BLLAC 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_199 No0265  3C454.3 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_200 No0266    BLLAC 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_201 No0267  3C454.3 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
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c211b_202 No0268    BLLAC 86ghz .  .  .  .  .  .  .  o  o  o  x  o  o  o  x
c211b_203 No0269  3C454.3 86ghz .  .  .  .  .  .  .  o  o  o  x  o  o  o  x
c211b_204 No0270    BLLAC 86ghz .  .  .  .  .  .  .  o  o  o  x  o  o  o  x
c211b_205 No0271  3C454.3 86ghz .  .  .  .  .  .  .  o  o  o  x  o  o  o  x
c211b_206 No0272    BLLAC 86ghz .  .  .  .  .  .  .  o  o  o  x  o  o  o  x
c211b_207 No0273  3C454.3 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_208 No0274    BLLAC 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
c211b_209 No0275  3C454.3 86ghz .  .  .  .  .  .  .  o  o  o  o  o  o  o  o
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c211b.7mm.fits:

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                              FD NL OV PT BR KP LA SC HN MK
c211b_01 No0030 0420-014 43ghz o  o  o  x  o  o  o  x  o  .
c211b_02 No0033 0506+056 43ghz o  o  o  x  o  o  o  x  o  .
c211b_03 No0035 0506+056 43ghz o  o  o  x  o  o  o  x  o  .
c211b_04 No0038 0420-014 43ghz o  o  o  x  o  o  o  x  o  .
c211b_05 No0040 0506+056 43ghz o  o  o  o  o  o  o  o  o  .
c211b_06 No0042 0506+056 43ghz o  o  o  o  o  o  o  o  o  .
c211b_07 No0044 0506+056 43ghz o  o  o  o  o  o  o  o  o  .
c211b_08 No0047 0420-014 43ghz o  o  o  o  o  o  o  o  o  o
c211b_09 No0049 0506+056 43ghz o  o  o  o  o  o  o  o  o  o
c211b_10 No0053 0506+056 43ghz o  o  o  o  o  o  o  o  o  o
c211b_11 No0058 0506+056 43ghz o  o  o  o  o  o  o  o  o  o
c211b_12 No0063 0506+056 43ghz o  o  o  o  o  o  o  o  o  o
c211b_13 No0068 0506+056 43ghz o  o  o  o  o  o  o  o  o  o
c211b_14 No0072 0420-014 43ghz o  o  o  o  o  o  o  o  o  o
c211b_15 No0074 0506+056 43ghz o  o  o  o  o  o  o  o  o  o
c211b_16 No0078 0506+056 43ghz o  o  o  o  o  o  o  o  o  o
c211b_17 No0083 0506+056 43ghz o  o  o  o  o  o  o  o  o  o
c211b_18 No0088 0506+056 43ghz o  o  o  o  o  o  o  o  o  o
c211b_19 No0093 0506+056 43ghz o  o  o  o  o  o  o  o  o  o
c211b_20 No0098 0506+056 43ghz o  o  o  o  o  o  o  o  o  o
c211b_21 No0102 0420-014 43ghz o  o  o  o  o  o  o  .  .  o
c211b_22 No0104 0506+056 43ghz o  o  o  o  o  o  o  o  o  o
c211b_23 No0109 0506+056 43ghz o  o  o  o  o  o  o  o  o  o
c211b_24 No0114 0506+056 43ghz o  o  o  o  o  o  o  .  o  o
c211b_25 No0119 0506+056 43ghz o  o  o  o  o  o  o  .  o  o
c211b_26 No0124 0506+056 43ghz o  o  o  o  o  o  o  .  .  o
c211b_27 No0129 0506+056 43ghz o  o  o  o  o  o  o  .  .  o
c211b_28 No0133 0723-008 43ghz o  o  o  o  o  o  o  o  o  o
c211b_29 No0135 0506+056 43ghz o  o  o  o  o  o  o  .  .  o
c211b_30 No0140 0506+056 43ghz o  o  o  o  o  o  o  .  .  o
c211b_31 No0145 0506+056 43ghz o  o  o  o  o  o  o  .  .  o
c211b_32 No0150 0506+056 43ghz o  .  o  o  o  o  o  .  .  o
c211b_33 No0155 0506+056 43ghz .  .  o  o  o  o  o  .  .  o
c211b_34 No0162 1502+106 43ghz o  o  o  o  o  o  o  o  o  .
c211b_35 No0165 1502+106 43ghz o  o  o  o  o  o  o  o  o  .
c211b_36 No0168 1502+106 43ghz o  o  o  o  o  o  o  o  o  .
c211b_37 No0171 1502+106 43ghz o  o  o  o  o  o  o  o  o  .
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c211b_38 No0174 1502+106 43ghz o  o  o  o  o  o  o  o  o  .
c211b_39 No0176 1502+106 43ghz o  o  o  o  o  o  o  o  o  o
c211b_40 No0178    3C345 43ghz o  o  o  o  o  o  o  o  o  .
c211b_41 No0180 1502+106 43ghz o  o  o  o  o  o  o  o  o  o
c211b_42 No0183 1502+106 43ghz o  o  o  o  o  o  o  o  o  o
c211b_43 No0186 1502+106 43ghz o  o  o  o  o  o  o  o  o  o
c211b_44 No0188    3C345 43ghz o  o  o  o  o  o  o  o  o  o
c211b_45 No0190 1502+106 43ghz o  o  o  o  o  o  o  o  o  o
c211b_46 No0193 1502+106 43ghz o  o  o  o  o  o  o  o  o  x
c211b_47 No0196 1502+106 43ghz o  o  o  o  o  o  o  o  o  x
c211b_48 No0199 1502+106 43ghz o  o  o  o  o  o  o  o  o  x
c211b_49 No0202 1502+106 43ghz o  o  o  o  o  o  o  o  o  x
c211b_50 No0205 1502+106 43ghz o  o  o  o  o  o  o  o  o  o
c211b_51 No0207    3C345 43ghz o  o  o  o  o  o  o  o  o  o
c211b_52 No0209 1502+106 43ghz o  o  o  o  o  o  o  o  o  o
c211b_53 No0212 1502+106 43ghz o  o  o  o  o  o  o  o  o  o
c211b_54 No0215 1502+106 43ghz o  o  o  o  o  o  o  o  o  o
c211b_55 No0218 1502+106 43ghz o  o  o  o  o  o  o  o  o  o
c211b_56 No0221 1502+106 43ghz o  o  o  o  o  o  o  o  o  o
c211b_57 No0224 1502+106 43ghz o  o  o  o  o  o  o  o  o  o
c211b_58 No0226    3C345 43ghz o  o  o  o  o  o  o  o  o  o
c211b_59 No0228 1502+106 43ghz o  o  o  o  o  o  o  .  .  o
c211b_60 No0231 1502+106 43ghz o  o  o  o  o  o  o  .  .  o
c211b_61 No0234 1502+106 43ghz o  o  o  o  o  o  o  .  .  o
c211b_62 No0237 1502+106 43ghz o  o  o  o  o  o  o  .  .  o
c211b_63 No0240 1502+106 43ghz o  o  o  o  o  o  o  .  .  o
c211b_64 No0243 1502+106 43ghz o  o  o  o  o  o  o  .  .  o
c211b_65 No0245    3C345 43ghz o  o  o  o  o  o  o  o  o  o
c211b_66 No0247  3C454.3 43ghz o  o  o  o  o  o  o  o  o  o
```