C241B Correlation Report

General information

- Session info: http://www3.mpifr-bonn.mpg.de/div/vlbi/globalmm/
- Station feedback: Ef rainy (had to stop observing from 2h15 UT until 4h20 UT due to snow), Mh snowing, Ys good weather, lost scans 0068-->0155, Gl good weather, using circular feed, Gb cloudy, JCMT late due to some trouble, missed scan 732, windy, PV worked well but rain/snow stopped the observations at some point until scan No1242, wind was an issue at Nn, Aa good, no KT

Status

what	date
Contacted Ef (finished), KVN to start transfer (finished)	02.05.2024
Fringes between Mk, Fd, Gb, and Ky, started e-transfer from Pv (finished) to connect VLBA to Eu	06.05.2024
Fringe to NN (arrived 28.05.2024)	30.05.2024
At transferred	25.06.2024
Fringe to Aa detected	06.07.2024
Mh finished	08.07.2024
Started Ys transfer	24.07.2024
Started On transfer	25.07.2024

Fringes

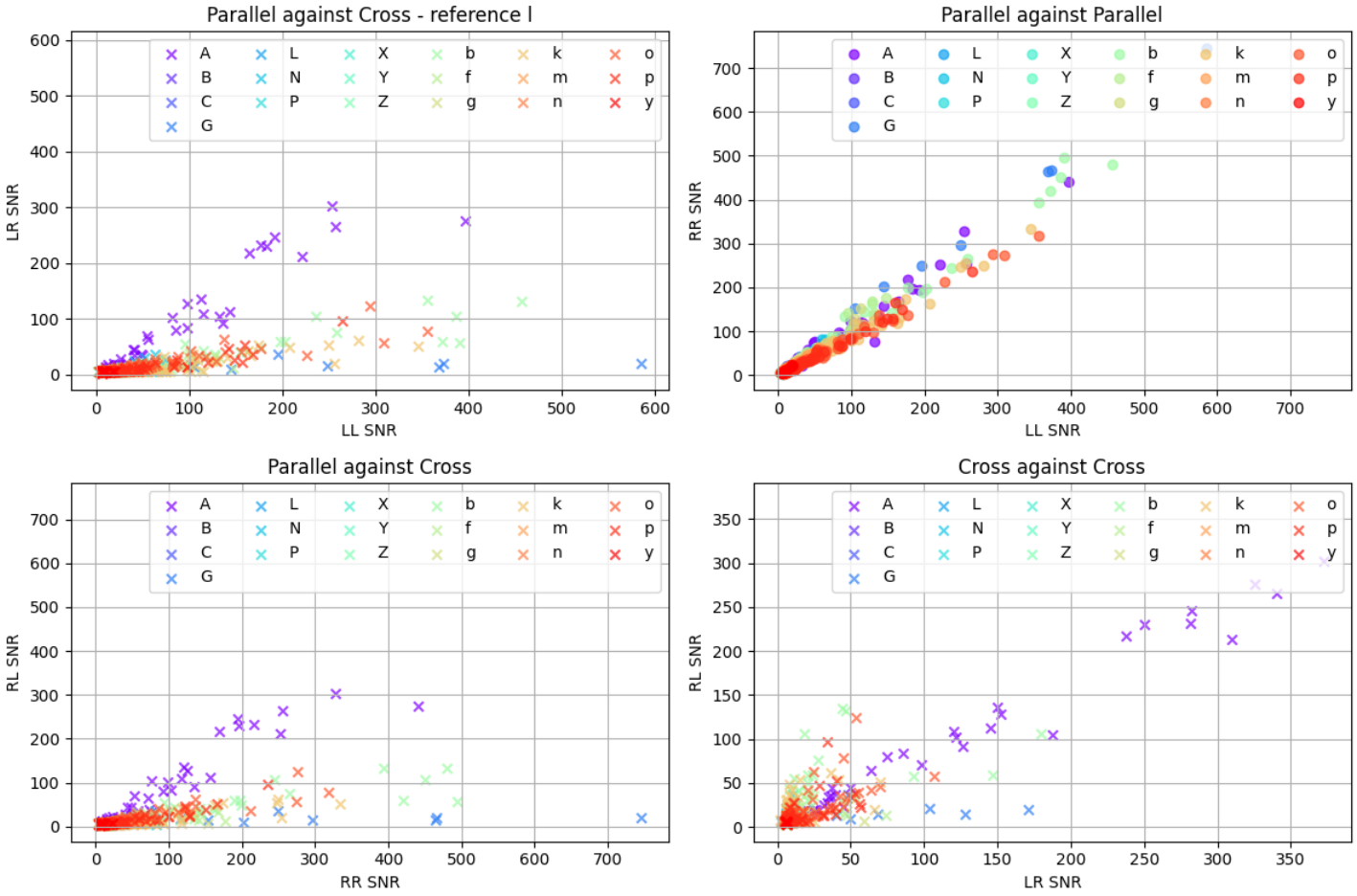
Station	Fringes	Plots	Comments
VLBA(8)	y	No0707_b.pdf, No0707_f.pdf, No0707_k.pdf, No0707_m.pdf, No0707_n.pdf, No0707_o.pdf, No0707_p.pdf, No0707_la.pdf	
Gb	y	No0627_G.pdf	
Ef	y	No0618_B.pdf	
On	y	No0618_X.pdf	
Ys	y	No0446_Y.pdf	
Pv	y	No0694_P.pdf	
Nn	y	No1205_N.pdf	
Mh	y	No0816_Z.pdf	

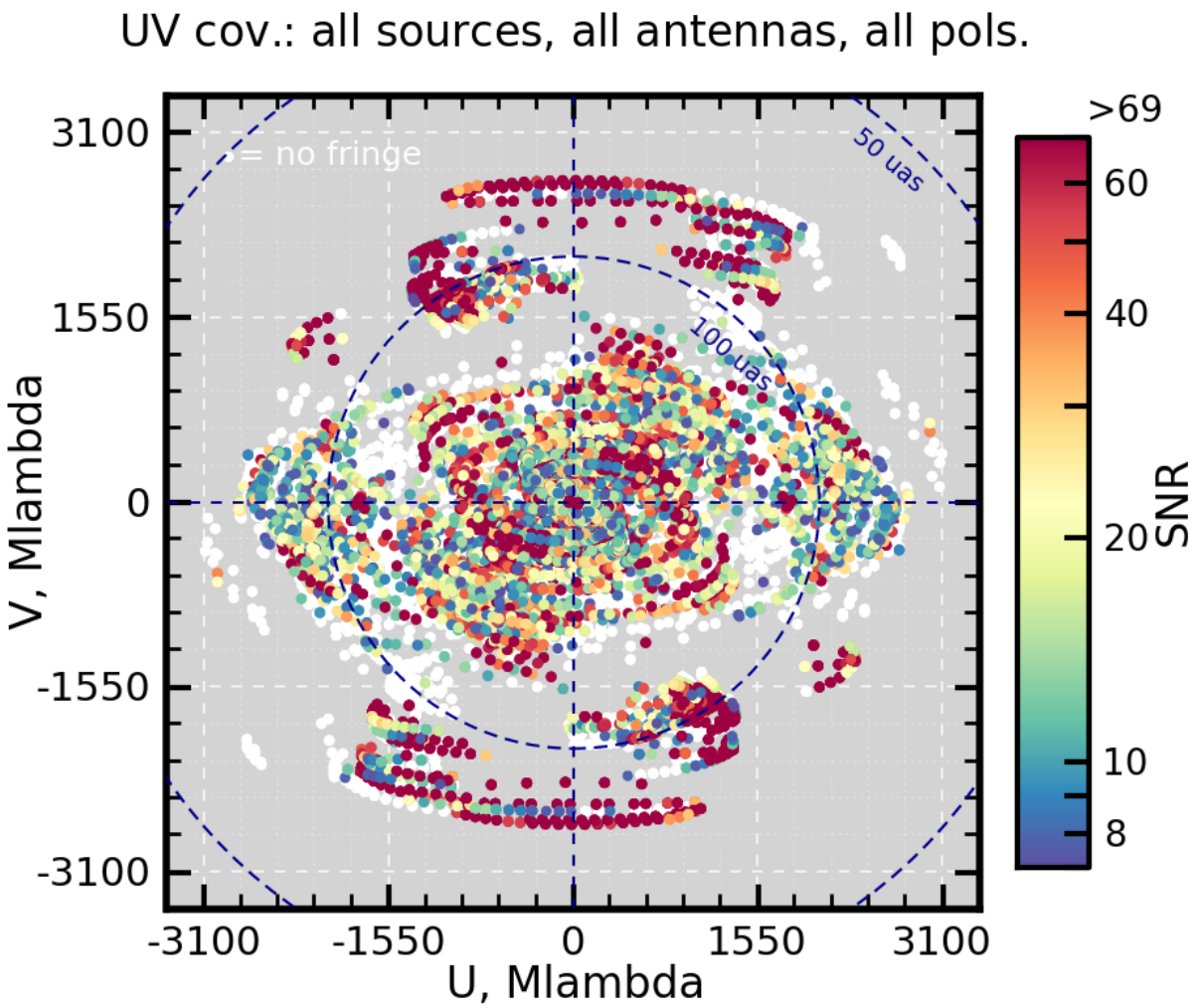
Station	Fringes	Plots	Comments
KVN(3)	y	No0446_C.pdf, No0446_u.pdf, No0446_ky.pdf	
Gl	y	No0517_g.pdf	
Aa	y	No0618_A.pdf	
At	n	-	No fringes found, applied clocks from 7mm experiments, absence of common visibility with KVN detrimental
Mp	n	-	No fringes found, applied clocks from 7mm experiments, absence of common visibility with KVN detrimental
Mm	y	No0707_L.pdf	

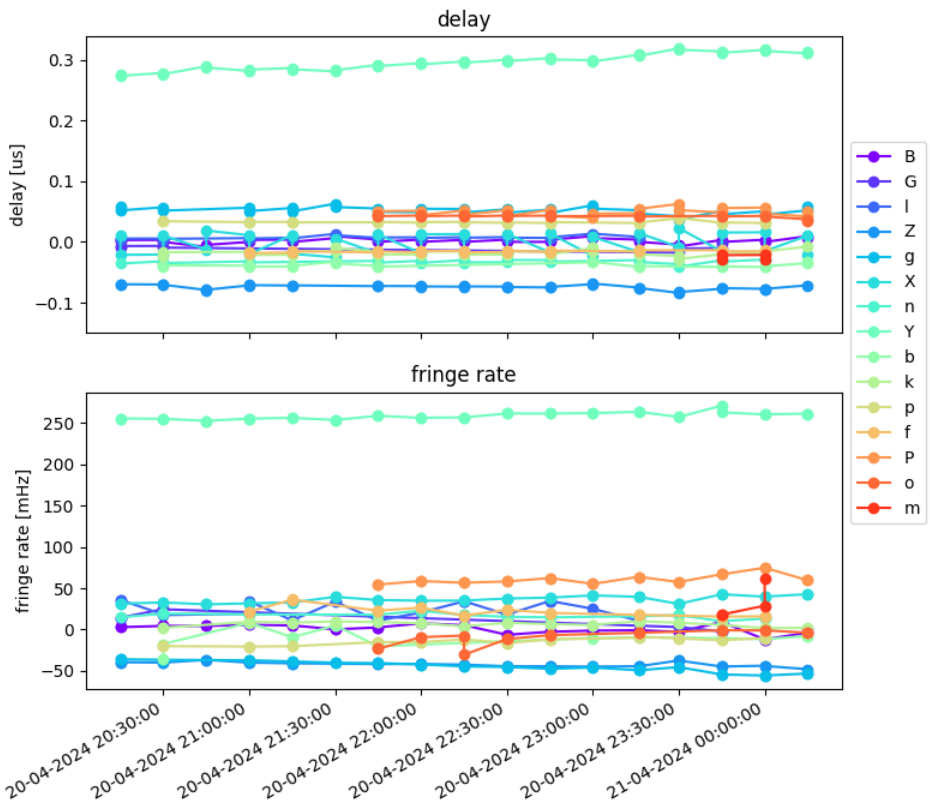
Notes

Post-Correlation checks

Residuals




UV cov.: all sources, all antennas, all pols.
= no fringe
50 uas
100 uas
3100
1550
0
-1550
-3100
V, Mlambda
-3100
-1550
0
1550
3100
U, Mlambda
>69
60
40
20
10
8
SNR



Delays statistics

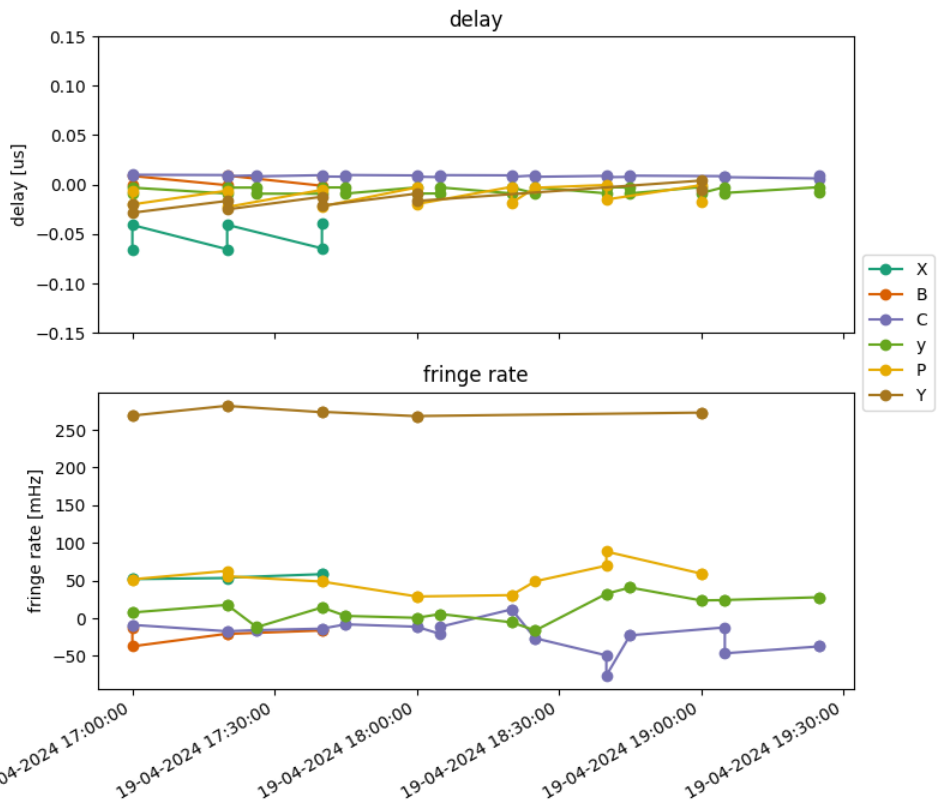
st	#pts	mean	std. dev
B	34	+0.0019	0.004147
G	08	-0.0093	0.003853
l	23	+0.0075	0.002222
Z	31	-0.0741	0.003648
g	32	+0.0520	0.005279
X	34	-0.0026	0.016035
n	23	-0.0327	0.002666
Y	34	+0.2964	0.013197
b	20	-0.0382	0.003098
k	29	-0.0177	0.004289
p	24	+0.0329	0.002123
f	20	-0.0157	0.001394
P	22	+0.0491	0.005588
o	18	+0.0421	0.002325
m	04	-0.0248	0.003205

Fringe rate statistics

st	#pts	mean	std. dev
B	34	+1.2338	5.239571
G	08	+9.9937	10.371949
l	23	+23.4494	9.652580
Z	31	-41.9635	2.783032
g	32	-44.4994	6.104517
X	34	+36.3971	4.093099
n	23	+16.6376	3.122895
Y	34	+258.5534	3.880326
b	20	-9.2006	10.167935
k	29	+6.7911	2.726583
p	24	-14.4849	3.873317
f	20	+21.8212	5.917327
P	22	+60.8068	5.658214
o	18	-8.7692	8.357378
m	04	+31.5903	17.636539

Reference station: N

Pol: LL,RR



Delays statistics

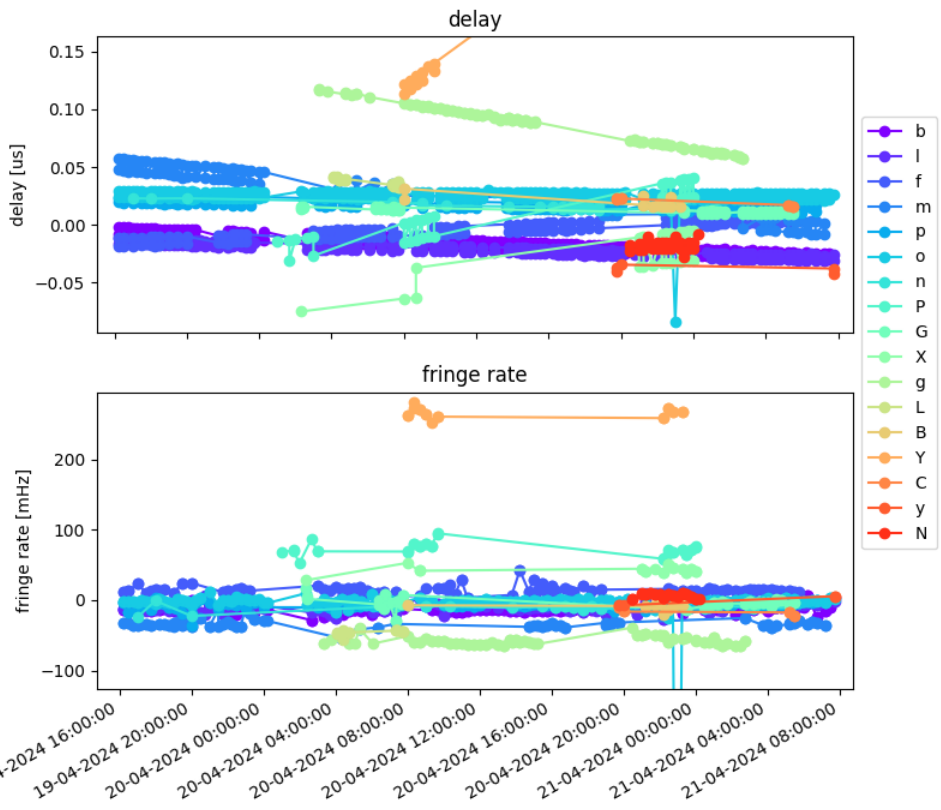
st	#pts	mean	std. dev
X	06	-0.0528	0.012391
B	06	+0.0040	0.004763
C	26	+0.0085	0.000884
y	28	-0.0059	0.003054
P	15	-0.0109	0.008291
Y	10	-0.0151	0.009242

Fringe rate statistics

st	#pts	mean	std. dev
X	06	+54.8426	2.680912
B	06	-20.7404	7.828078
C	26	-19.8233	17.941462
y	28	+11.7559	16.387389
P	15	+50.9885	16.069800
Y	10	+273.2055	4.876122

Reference station: u

Pol: LL,RR



Delays statistics

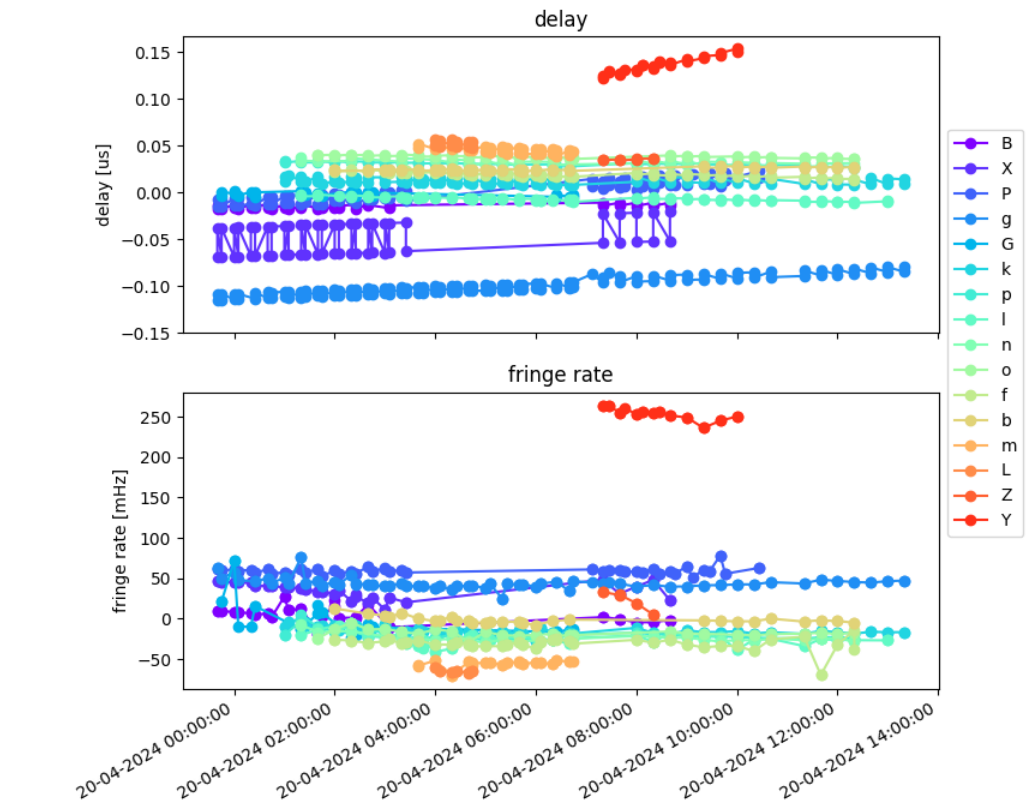
st	#pts	mean	std. dev
b	237	-0.0161	0.007298
l	214	-0.0213	0.005098
f	161	-0.0039	0.007416
m	112	+0.0292	0.020342
p	186	+0.0172	0.003710
o	261	+0.0251	0.007301
n	33	+0.0152	0.003411
P	33	+0.0079	0.021556
G	55	+0.0120	0.002076
X	23	-0.0274	0.019864
g	99	+0.0853	0.017577
L	16	+0.0373	0.003084
B	11	+0.0197	0.005084
Y	19	+0.1928	0.077913
C	08	+0.0196	0.003168
y	05	-0.0382	0.002711
N	29	-0.0177	0.004289

Fringe rate statistics

st	#pts	mean	std. dev
b	237	-13.4429	4.091878
l	214	-9.8264	6.709742
f	161	+14.7838	5.569344
m	112	-33.6705	5.871388
p	186	-6.5065	4.256884
o	261	-4.3474	47.067530
n	33	-10.3452	3.954983
P	33	+72.9228	8.772647
G	55	-3.6611	7.757248
X	23	+43.3195	5.035867
g	99	-57.7874	5.573390
L	16	-45.8049	3.609417
B	11	-9.4180	4.034304
Y	19	+266.3271	6.513084
C	08	-16.4953	4.620086
y	05	-1.7119	6.145394
N	29	+6.7911	2.726583

Reference station: k

Pol: LL,RR



Delays statistics

st	#pts	mean	std. dev
B	45	-0.0146	0.001980
X	56	-0.0483	0.016473
P	83	+0.0013	0.010674
g	122	-0.0998	0.009240
G	28	-0.0017	0.001936
k	95	+0.0125	0.002906
p	62	+0.0304	0.001794
l	73	-0.0068	0.001985
n	45	+0.0318	0.002522
o	55	+0.0382	0.001309
f	73	+0.0192	0.002528
b	57	+0.0249	0.001669
m	33	+0.0453	0.003222
L	12	+0.0521	0.003176
Z	08	+0.0353	0.000762
Y	25	+0.1365	0.008353

Fringe rate statistics

st	#pts	mean	std. dev
B	45	+4.4410	9.537758
X	56	+34.7589	9.694736
P	83	+59.1953	4.083494
g	122	+43.8836	6.657440
G	28	+0.4070	23.463658
k	95	-15.3182	4.761872
p	62	-20.4014	6.091471
l	73	-25.4751	6.439071
n	45	-24.3375	4.752678
o	55	-18.0462	4.221697
f	73	-31.3736	7.710862
b	57	-1.4862	4.253563
m	33	-55.6010	4.153017
L	12	-64.8643	2.423635
Z	08	+21.5622	10.814974
Y	25	+253.1396	7.195651

Reference station: A

Pol: XL,YR

FITS completeness (pclist)

3mm

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                                                                  NL FD
PT LA KP OV BR MK HS EF ON YS PV NN MH KY KU KT KC GL GB AA MM AT MP
c241b.vex.pclist:c241b_001 No0437    3C454.3                 86ghz o  o
o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_002 No0442      BLLAC                 86ghz o  o
o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_003 No0445    3C454.3                 86ghz o  o
o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_004 No0446   1156+295                 86ghz .  .
.  .  .  .  .  .  .  o  o  o  o  x  o  o  o  x  o  .  .  .  .  .  .
c241b.vex.pclist:c241b_005 No0451      BLLAC                 86ghz o  o
o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_006 No0454    3C454.3                 86ghz o  o
o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_007 No0455   1156+295                 86ghz .  .
.  .  .  .  .  .  .  o  o  o  o  x  o  o  o  x  o  .  .  .  .  .  .
c241b.vex.pclist:c241b_008 No0456       M87                  86ghz .  .
.  .  .  .  .  .  .  o  o  o  o  x  o  o  o  x  o  .  .  .  .  .  .
c241b.vex.pclist:c241b_009 No0461      BLLAC                 86ghz o  o
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o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_010 No0462   1156+295                86ghz .  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  o  o  x  o  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_011 No0463       M87                  86ghz .  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  o  o  x  o  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_012 No0467    3C454.3                 86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_013 No0468      3C273                 86ghz .  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  o  o  x  o  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_014 No0469       M87                  86ghz .  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  o  o  x  o  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_015 No0474      BLLAC                 86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_016 No0478    3C454.3                 86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_017 No0479      3C273                 86ghz .  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  o  o  x  o  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_018 No0480       M87                  86ghz .  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  o  o  x  o  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_019 No0485      BLLAC                 86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_020 No0486      3C273                 86ghz .  .
.  .  .  .  .  .  .  .  o  o  88 o  x  o  o  o  x  o  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_021 No0487       M87                  86ghz .  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  o  o  x  o  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_022 No0491    3C454.3                 86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_023 No0492      3C273                 86ghz .  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  o  o  x  o  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_024 No0493       M87                  86ghz .  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  o  o  x  o  o  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_025 No0498      BLLAC                 86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_026 No0502    3C454.3                 86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_027 No0503      3C279                 86ghz .  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_028 No0504       M87                  86ghz .  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  o  o  x  o  o  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_029 No0509      BLLAC                 86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_030 No0510      3C273                 86ghz .  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_031 No0511       M87                  86ghz .  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  o  o  x  o  o  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_032 No0515    3C454.3                 86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_033 No0516      3C273                 86ghz .  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_034 No0517       M87                  86ghz .  .
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. . . . . o o o o x o . . . . o . . . . .
c241b.vex.pclist:c241b_035 No0522     BLLAC                86ghz o  o
o o o o o o o x . . . . . . . . . . . . .
c241b.vex.pclist:c241b_036 No0526    3C454.3               86ghz o  o
o o o o o o o . . . . . . . . . . . . . .
c241b.vex.pclist:c241b_037 No0527     3C279                86ghz .  .
. . . . . o o o o x o . . . . . . . . . .
c241b.vex.pclist:c241b_038 No0528       M87                86ghz .  .
. . . . . o o o o x o . . . . o . . . . .
c241b.vex.pclist:c241b_039 No0533     BLLAC                86ghz o  o
o o o o o o o x . . . . . . . . . . . . .
c241b.vex.pclist:c241b_040 No0534     3C273                86ghz .  .
. . . . . o o 77 o x o . . . . . . . . .
c241b.vex.pclist:c241b_041 No0535       M87                86ghz .  .
. . . . . o o o o x o . . . . o . . . . .
c241b.vex.pclist:c241b_042 No0540    3C454.3               86ghz o  o
o o o o o o o . . . . . . . . . . . . . .
c241b.vex.pclist:c241b_043 No0541     3C273                86ghz .  .
. . . . . o o o o x o . . . . . . . . . .
c241b.vex.pclist:c241b_044 No0542       M87                86ghz .  .
. . . . . o o o o x o . . . . o . . . . .
c241b.vex.pclist:c241b_045 No0547     BLLAC                86ghz o  o
o o o o o o o . . . . . . . . . . . . . .
c241b.vex.pclist:c241b_046 No0552    3C454.3               86ghz .  o
o o o o o o o . . . . . . . . . . . . . .
c241b.vex.pclist:c241b_047 No0553     3C279                86ghz .  .
. . . . . o o o o x o . . . . . . . . . .
c241b.vex.pclist:c241b_048 No0554       M87                86ghz .  .
. . . . . o o o o x o . . . . o . . . . .
c241b.vex.pclist:c241b_049 No0559     BLLAC                86ghz o  o
o o o o o o o . . . . . . . . . . . . . .
c241b.vex.pclist:c241b_050 No0560     3C273                86ghz .  .
. . . . . o o 77 o x o . . . . . . . . .
c241b.vex.pclist:c241b_051 No0561       M87                86ghz .  .
. . . . . o o o o x o . . . . o . . . . .
c241b.vex.pclist:c241b_052 No0564   0420-014               86ghz .  o
o o o o o o o x . . . . . . . . . . . . .
c241b.vex.pclist:c241b_053 No0565     3C273                86ghz .  .
. . . . . o o o o x o . . . . . . . . . .
c241b.vex.pclist:c241b_054 No0566       M87                86ghz .  .
. . . . . o o o o x o . . . . o . . . . .
c241b.vex.pclist:c241b_055 No0571   0420-014               86ghz o  o
o o o o o o o x . . . . . . . . . . . . .
c241b.vex.pclist:c241b_056 No0576   0420-014               86ghz o  o
o o o o o o o x . . . . . . . . . . . . .
c241b.vex.pclist:c241b_057 No0577     3C279                86ghz .  .
. . . . . o o o o x o . . . . . . . . . .
c241b.vex.pclist:c241b_058 No0578       M87                86ghz .  .
. . . . . o o o o x o . . . . o . . . . .
c241b.vex.pclist:c241b_059 No0583   0420-014               86ghz o  o
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o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_060 No0584     3C273                 86ghz .  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  .  .  .  .  o  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_061 No0585       M87                 86ghz .  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  .  .  .  .  o  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_062 No0590   0420-014                86ghz o  o
o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:          No0591   1156+295                86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .  .  .
c241b.vex.pclist:c241b_063 No0594   1156+295                86ghz o  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  .  .  .  .  o  o  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_064 No0595       M87                 86ghz o  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  .  .  .  .  o  o  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_065 No0600   0420-014                86ghz .  o
o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_066 No0605   0420-014                86ghz .  o
o  o  o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_067 No0606     3C279                 86ghz .  .
.  .  .  .  .  .  .  x  o  o  x  o  x  o  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_068 No0609       M87                 86ghz o  .
.  .  .  .  .  .  .  x  o  o  x  o  x  o  .  .  .  .  .  o  o  .  .  .  .  .  .
c241b.vex.pclist:c241b_069 No0614   0420-014                86ghz .  o
o  o  o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:          No0615     3C273                 86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .  .  .
c241b.vex.pclist:c241b_070 No0618     3C273                 86ghz o  .
.  .  .  .  .  .  .  x  o  o  x  o  x  o  .  .  .  .  .  o  o  o  .  .  .  .  .
c241b.vex.pclist:c241b_071 No0619       M87                 86ghz o  .
.  .  .  .  .  .  .  x  o  o  x  o  x  o  .  .  .  .  .  o  o  o  .  .  .  .  .
c241b.vex.pclist:c241b_072 No0624   0420-014                86ghz .  o
o  o  o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_073 No0627     3C273                 86ghz o  .
.  .  .  .  .  .  .  x  o  o  o  o  o  x  o  .  .  .  .  .  o  o  o  .  .  .  .
c241b.vex.pclist:c241b_074 No0628       M87                 86ghz o  o
.  o  .  .  .  .  .  x  o  o  o  o  o  x  o  .  .  .  .  .  o  o  o  .  .  .  .
c241b.vex.pclist:c241b_075 No0633   0420-014                86ghz .  .
o  .  o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_076 No0638   0420-014                86ghz .  .
.  .  o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_077 No0641     3C279                 86ghz o  .
.  .  .  .  .  .  .  x  o  o  o  o  o  x  o  .  .  .  .  .  o  o  .  .  .  .  .
c241b.vex.pclist:c241b_078 No0642       M87                 86ghz o  o
o  o  .  .  .  .  .  x  o  o  o  o  o  x  o  .  .  .  .  .  o  o  o  .  .  .  .
c241b.vex.pclist:c241b_079 No0644     3C273                 86ghz o  o
o  o  .  .  .  .  .  x  o  o  o  o  o  x  o  .  .  .  .  .  o  o  o  .  .  .  .
c241b.vex.pclist:c241b_080 No0647       M87                 86ghz o  o
o  o  o  o  .  .  x  o  o  o  o  o  x  o  .  .  .  .  .  o  o  o  .  .  .  .  .
c241b.vex.pclist:          No0648     3C273                 86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .  .  .
c241b.vex.pclist:c241b_081 No0651     3C273                 86ghz o  o
```

```
o  o  o  .  .  .  x  o  o  o  o  x  o  .  .  .  .  o  o  o  .  .  .
c241b.vex.pclist:c241b_082 No0652       M87                 86ghz o  o
o  o  o  .  .  .  x  o  o  o  o  x  o  .  .  .  .  o  o  o  .  .  .
c241b.vex.pclist:c241b_083 No0655     3C279                 86ghz o  o
o  o  o  .  .  .  x  o  o  o  o  x  o  .  .  .  .  o  o  o  .  .  .
c241b.vex.pclist:c241b_084 No0658       M87                 86ghz o  o
o  o  o  o  o  o  .  x  o  o  o  o  x  o  .  .  .  .  o  o  o  .  .  .
c241b.vex.pclist:c241b_085 No0662     3C273                 86ghz o  o
o  o  o  o  o  o  .  x  o  o  o  o  x  o  .  .  .  .  o  o  o  .  .  .
c241b.vex.pclist:c241b_086 No0663       M87                 86ghz o  o
o  o  o  o  o  o  .  x  o  o  o  o  x  o  .  .  .  .  o  o  o  .  .  .
c241b.vex.pclist:          No0664     3C273                 86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .  .
c241b.vex.pclist:c241b_087 No0669     3C273                 86ghz o  o
o  o  o  o  o  o  .  x  o  o  o  o  x  o  .  .  .  .  o  o  o  .  .  .
c241b.vex.pclist:c241b_088 No0670       M87                 86ghz o  o
o  o  o  o  o  o  .  x  o  o  o  o  x  o  .  .  .  .  o  o  o  .  .  .
c241b.vex.pclist:c241b_089 No0675     3C279                 86ghz o  o
o  o  o  o  o  .  .  x  o  o  o  o  x  .  .  .  .  .  o  o  o  .  .  .
c241b.vex.pclist:c241b_090 No0676       M87                 86ghz o  o
o  o  o  o  o  o  .  x  o  o  o  o  x  o  .  .  .  .  o  o  o  .  .  .
c241b.vex.pclist:c241b_091 No0681     3C273                 86ghz o  o
o  o  o  o  o  o  .  x  o  o  o  o  x  .  .  .  .  .  o  o  o  .  .  .
c241b.vex.pclist:c241b_092 No0682       M87                 86ghz o  o
o  o  o  o  o  o  .  x  o  o  o  o  x  o  .  .  .  .  o  o  o  .  .  .
c241b.vex.pclist:          No0683     3C273                 86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .  .
c241b.vex.pclist:c241b_093 No0688     3C273                 86ghz o  o
o  o  o  o  o  o  .  x  o  o  o  o  x  .  .  .  .  .  o  o  o  .  .  .
c241b.vex.pclist:c241b_094 No0689       M87                 86ghz o  o
o  o  o  o  o  o  .  x  o  o  o  o  x  o  .  .  .  .  o  o  o  .  .  .
c241b.vex.pclist:c241b_095 No0694     3C279                 86ghz o  o
o  o  o  o  o  o  .  x  .  .  o  o  x  .  .  .  .  .  o  o  o  .  .  .
c241b.vex.pclist:c241b_096 No0695       M87                 86ghz o  o
o  o  o  o  o  o  .  x  o  o  o  o  x  .  .  .  .  .  o  o  o  .  .  .
c241b.vex.pclist:c241b_097 No0699     3C273                 86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  o  o  o  o  .  .
c241b.vex.pclist:c241b_098 No0700       M87                 86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  o  o  o  o  .  .
c241b.vex.pclist:c241b_099 No0701   1749+096                  86ghz .  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_100 No0702     SS433                 86ghz .  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:          No0703     3C273                 86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .  .
c241b.vex.pclist:c241b_101 No0707     3C273                 86ghz o  o
o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  o  o  o  o  .  .
c241b.vex.pclist:c241b_102 No0708       M87                 86ghz o  o
o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  o  o  o  o  .  .
c241b.vex.pclist:c241b_103 No0709   1749+096                  86ghz .  .
```

```
. . . . . o o o o x o . . . . . .
c241b.vex.pclist:c241b_104 No0710     SS433              86ghz . .
. . . . . o o o o x o . . . . . .
c241b.vex.pclist:c241b_105 No0715     3C279              86ghz o o
o o o o o o o x . . . . . o o o o . .
c241b.vex.pclist:c241b_106 No0716       M87              86ghz o o
o o o o o o o x . . . . . o o o o . .
c241b.vex.pclist:c241b_107 No0717   1749+096             86ghz . .
. . . . . o o o o x o . . . . . .
c241b.vex.pclist:c241b_108 No0718     SS433              86ghz . .
. . . . . o o o o x o . . . . . .
c241b.vex.pclist:c241b_109 No0723     3C273              86ghz o o
o o o o o o o x . . . . . o o o o . .
c241b.vex.pclist:c241b_110 No0724       M87              86ghz o o
o o o o o o o x . . . . . o o o o . .
c241b.vex.pclist:c241b_111 No0725   1749+096             86ghz . .
. . . . . o o o o x o . . . . . .
c241b.vex.pclist:c241b_112 No0726     SS433              86ghz . .
. . . . . o o o o x o . . . . . .
c241b.vex.pclist:          No0727     3C273              86ghz . .
. . . . . x . . . .
c241b.vex.pclist:c241b_113 No0732     3C273              86ghz o o
o o o o o o o x . . . . . o o o o . .
c241b.vex.pclist:c241b_114 No0733       M87              86ghz o o
o o o o o o o x . . . . . o o o o . .
c241b.vex.pclist:c241b_115 No0734   1749+096             86ghz . .
. . . . . o o o o x o . . . . . .
c241b.vex.pclist:c241b_116 No0735     SS433              86ghz . .
. . . . . o o o o x o . . . . . .
c241b.vex.pclist:c241b_117 No0740     3C279              86ghz o o
o o o o o o o x . . . . . o o o o . .
c241b.vex.pclist:c241b_118 No0741       M87              86ghz o o
o o o o o o o x . . . . . o o o o . .
c241b.vex.pclist:c241b_119 No0742   1749+096             86ghz . .
. . . . . o o o o x o . . . . . .
c241b.vex.pclist:c241b_120 No0743     SS433              86ghz . .
. . . . . o o o o x o . . . . . .
c241b.vex.pclist:c241b_121 No0748     3C273              86ghz o o
o o o o o o o x . . . . . o o o o . .
c241b.vex.pclist:c241b_122 No0749       M87              86ghz o o
o o o o o o o x . . . . . o o o o . .
c241b.vex.pclist:c241b_123 No0750   1749+096             86ghz . .
. . . . . o o o o x o . . . . . .
c241b.vex.pclist:c241b_124 No0751     SS433              86ghz . .
. . . . . o o o o x o . . . . . .
c241b.vex.pclist:          No0752     3C273              86ghz . .
. . . . . x . . . .
c241b.vex.pclist:c241b_125 No0757     3C273              86ghz o o
o o o o o o o x . . . . . o o o o . .
c241b.vex.pclist:c241b_126 No0758       M87              86ghz o o
```

```
o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  .  .  o  o  o  o  .  .
c241b.vex.pclist:c241b_127 No0759   1749+096                    86ghz .  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_128 No0760      SS433                    86ghz .  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_129 No0765      3C279                    86ghz o  o
o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  .  .  o  o  o  .  .  .
c241b.vex.pclist:c241b_130 No0766        M87                    86ghz o  o
o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  .  .  o  o  o  o  .  .
c241b.vex.pclist:c241b_131 No0767   1749+096                    86ghz .  .
.  .  .  .  .  .  .  .  o  o  88 o  x  o  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_132 No0768      SS433                    86ghz .  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:          No0769      3C273                    86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .  .
c241b.vex.pclist:c241b_133 No0774      3C273                    86ghz o  o
o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  .  .  o  o  o  o  .  .
c241b.vex.pclist:c241b_134 No0775        M87                    86ghz o  o
o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  .  .  o  o  o  o  .  .
c241b.vex.pclist:c241b_135 No0776   1749+096                    86ghz .  .
.  .  .  .  .  .  .  .  o  o  88 o  x  o  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_136 No0777      SS433                    86ghz .  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_137 No0782      3C273                    86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  .  o  .  o  .  .  .
c241b.vex.pclist:c241b_138 No0783        M87                    86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  .  o  .  o  .  .  .
c241b.vex.pclist:c241b_139 No0784   1749+096                    86ghz .  .
.  .  .  .  .  .  .  .  o  o  88 o  x  o  .  .  .  .  .  o  .  x  .  .  .  .
c241b.vex.pclist:          No0785 J1851+0035                    86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .  .
c241b.vex.pclist:c241b_140 No0786      SS433                    86ghz .  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  .  .  .  .  .  o  .  o  .  .  .  .
c241b.vex.pclist:          No0787 J1851+0035                    86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .  .
c241b.vex.pclist:          No0788      3C279                    86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .  .
c241b.vex.pclist:c241b_141 No0793      3C279                    86ghz o  o
o  o  o  o  o  33 x  .  .  .  .  .  .  .  .  .  .  .  .  .  o  .  o  .  .  .
c241b.vex.pclist:c241b_142 No0794        M87                    86ghz o  o
o  o  o  o  o  o  x  x  .  .  .  .  .  .  .  .  .  .  .  .  o  .  o  .  .  .
c241b.vex.pclist:c241b_143 No0795   1749+096                    86ghz .  .
.  .  .  .  .  .  .  .  o  o  88 o  x  o  .  .  .  .  .  o  .  o  .  .  .  .
c241b.vex.pclist:          No0796 J1851+0035                    86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .  .
c241b.vex.pclist:c241b_144 No0797      SS433                    86ghz .  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  .  .  .  .  .  o  .  o  .  .  .  .
c241b.vex.pclist:          No0798 J1851+0035                    86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .  .
c241b.vex.pclist:c241b_145 No0803      3C273                    86ghz o  o
```

```
o  o  o  o  o  x  x  .  .  .  .  .  .  .  .  .  .  .  .  .  o  .  o  .  .
c241b.vex.pclist:c241b_146 No0804       M87                 86ghz o  o
o  o  o  o  o  o  x  x  .  .  .  .  .  .  .  .  .  .  .  .  .  o  .  o  .  .
c241b.vex.pclist:c241b_147 No0805   1749+096                 86ghz .  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  .  .  .  .  .  o  .  o  .  .  .
c241b.vex.pclist:          No0806 J1851+0035                 86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .
c241b.vex.pclist:c241b_148 No0807     SS433                 86ghz .  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  .  .  .  .  .  o  .  o  .  .  .
c241b.vex.pclist:          No0808 J1851+0035                 86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .
c241b.vex.pclist:          No0809     3C273                  86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .  .
c241b.vex.pclist:c241b_149 No0812     3C273                 86ghz .  .
.  .  .  o  o  x  x  .  .  .  .  .  .  .  .  .  .  .  .  .  o  .  o  66 x
c241b.vex.pclist:c241b_150 No0813       M87                 86ghz .  .
.  .  .  o  o  x  x  .  .  .  .  .  .  .  .  .  .  .  .  .  o  .  o  o  x
c241b.vex.pclist:c241b_151 No0816   1749+096                 86ghz o  o
o  o  o  .  .  .  .  .  o  o  o  o  x  o  .  .  .  .  .  o  .  o  .  .  .
c241b.vex.pclist:          No0817 J1851+0035                 86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .
c241b.vex.pclist:c241b_152 No0819     SS433                 86ghz o  o
o  o  o  .  .  .  .  .  o  o  o  o  x  o  .  .  .  .  .  o  .  o  .  .  .
c241b.vex.pclist:          No0820 J1851+0035                 86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .
c241b.vex.pclist:c241b_153 No0822   1749+096                 86ghz o  o
o  o  o  .  .  .  .  .  o  o  o  o  x  o  .  .  .  .  .  o  .  o  .  .  .
c241b.vex.pclist:          No0823 J1851+0035                 86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .
c241b.vex.pclist:c241b_154 No0825     SS433                 86ghz o  o
o  o  o  .  .  .  .  .  o  o  o  o  x  o  .  .  .  .  .  o  .  o  .  .  .
c241b.vex.pclist:          No0826 J1851+0035                 86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .
c241b.vex.pclist:c241b_155 No0829     3C279                 86ghz .  .
.  .  .  o  o  x  x  .  .  .  .  .  .  .  .  .  .  .  .  .  o  .  o  o  x
c241b.vex.pclist:c241b_156 No0830       M87                 86ghz .  .
.  .  .  o  o  x  x  .  .  .  .  .  .  x  x  x  x  .  o  .  o  o  x
c241b.vex.pclist:c241b_157 No0834   1749+096                 86ghz o  o
o  o  o  o  .  .  .  o  o  o  o  x  .  .  .  .  .  o  .  o  .  .  .
c241b.vex.pclist:          No0835 J1851+0035                 86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .
c241b.vex.pclist:c241b_158 No0838     SS433                 86ghz o  o
o  o  o  o  o  .  .  .  o  o  o  o  x  o  .  .  .  .  .  o  .  o  .  .  .
c241b.vex.pclist:          No0839 J1851+0035                 86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .
c241b.vex.pclist:          No0840     3C273                  86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .  .
c241b.vex.pclist:c241b_159 No0843     3C273                 86ghz .  .
.  .  .  .  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .  o  .  o  o  o
c241b.vex.pclist:c241b_160 No0844       M87                 86ghz .  .
```

```
. . . . o o . . . . . . . x x x x . o . o o o
c241b.vex.pclist:c241b_161 No0849   1749+096              86ghz o  o
o o o o . . . . . o o x . . . . . o . o . . .
c241b.vex.pclist:          No0850 J1851+0035              86ghz .  .
. . . . . . . . . . . . . . . . . . . . x . . .
c241b.vex.pclist:c241b_162 No0853      SS433              86ghz o  o
o o o o . . . o o o o x . . . . . o . o . . .
c241b.vex.pclist:          No0854 J1851+0035              86ghz .  .
. . . . . . . . . . . . . . . . . . . . x . . .
c241b.vex.pclist:c241b_163 No0857      3C273              86ghz .  .
. . . . . o o . . . . . . . x x x x . o . o o o
c241b.vex.pclist:c241b_164 No0858        M87              86ghz .  .
. . . . . o o . . . . . . . x x x x . o . o o o
c241b.vex.pclist:c241b_165 No0861   1749+096              86ghz o  o
o o o o o o . . . . o o . . . . . . o . o . . .
c241b.vex.pclist:          No0862 J1851+0035              86ghz .  .
. . . . . . . . . . . . . . . . . . . . x . . .
c241b.vex.pclist:c241b_166 No0865      SS433              86ghz o  o
o o o o o o . . o o o o x . . . . . o . o . . .
c241b.vex.pclist:          No0866 J1851+0035              86ghz .  .
. . . . . . . . . . . . . . . . . . . . x . . .
c241b.vex.pclist:c241b_167 No0869        M87              86ghz .  .
. . . . . o . . . . . . . x x x x . o . o o o
c241b.vex.pclist:c241b_168 No0872   1749+096              86ghz o  o
o o o o o o . . . . o o . . . . . . o . o . . .
c241b.vex.pclist:          No0873 J1851+0035              86ghz .  .
. . . . . . . . . . . . . . . . . . . . x . . .
c241b.vex.pclist:c241b_169 No0876      SS433              86ghz o  o
o o o o o o . . o o o o x . . . . . o . o . . .
c241b.vex.pclist:          No0877 J1851+0035              86ghz .  .
. . . . . . . . . . . . . . . . . . . . x . . .
c241b.vex.pclist:c241b_170 No0880      3C279              86ghz .  .
. . . . . o . . . . . . . x x x . . . o o o
c241b.vex.pclist:c241b_171 No0881        M87              86ghz .  .
. . . . . o . . . . . . . x x x x . . . o o o
c241b.vex.pclist:c241b_172 No0886   1749+096              86ghz o  o
o o o o o o . . . . o . . . . . . . o . o . . .
c241b.vex.pclist:          No0887 J1851+0035              86ghz .  .
. . . . . . . . . . . . . . . . . . . . x . . .
c241b.vex.pclist:c241b_173 No0890      SS433              86ghz o  o
o o o o o o . . . . o o x . . . . . o . o . . .
c241b.vex.pclist:          No0891 J1851+0035              86ghz .  .
. . . . . . . . . . . . . . . . . . . . x . . .
c241b.vex.pclist:c241b_174 No0894      3C273              86ghz .  .
. . . . . o . . . . . . . x x x x . . . o o o
c241b.vex.pclist:c241b_175 No0895        M87              86ghz .  .
. . . . . o . . . . . . . x x x x . . . o o o
c241b.vex.pclist:c241b_176 No0898   1749+096              86ghz o  o
o o o o o o . . . . . . . . . . . . . o . o . . .
c241b.vex.pclist:          No0899 J1851+0035              86ghz .  .
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. . . . . . . . . . . . . . . . . . . . . x . . .
c241b.vex.pclist:c241b_177 No0902      SS433                 86ghz o  o
o  o  o  o  o  o  .  .  .  .  o  o  .  .  .  .  .  .  .  o  .  o  .  .  .
c241b.vex.pclist:          No0903 J1851+0035                 86ghz .  .
. . . . . . . . . . . . . . . . . . . . . x . . .
c241b.vex.pclist:c241b_178 No0905      3C279                 86ghz .  .
. . . . . . o . . . . . . . . . x  x  x  x  .  .  .  o  o  o
c241b.vex.pclist:c241b_179 No0906        M87                 86ghz .  .
. . . . . . o . . . . . . . . . x  x  x  x  .  .  .  o  o  o
c241b.vex.pclist:c241b_180 No0907       3C84                 86ghz .  .
. . . . . . . . o  o  .  .  x  o  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_181 No0910   1749+096                 86ghz o  o
o  o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .  o  .  o  .  .  .
c241b.vex.pclist:          No0911 J1851+0035                 86ghz .  .
. . . . . . . . . . . . . . . . . . . . . x . . .
c241b.vex.pclist:c241b_182 No0914      SS433                 86ghz o  o
o  o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .  o  .  o  .  .  .
c241b.vex.pclist:          No0915 J1851+0035                 86ghz .  .
. . . . . . . . . . . . . . . . . . . . . x . . .
c241b.vex.pclist:c241b_183 No0918      3C273                 86ghz .  .
. . . . . . o . . . . . . . . . x  x  x  x  .  .  .  o  o  o
c241b.vex.pclist:c241b_184 No0919        M87                 86ghz .  .
. . . . . . o . . . . . . . . . x  x  x  x  .  .  .  o  o  o
c241b.vex.pclist:c241b_185 No0920       3C84                 86ghz .  .
. . . . . . . . o  o  95 o  x  o  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_186 No0925   1749+096                 86ghz o  o
o  o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .  o  .  o  .  .  .
c241b.vex.pclist:          No0926 J1851+0035                 86ghz .  .
. . . . . . . . . . . . . . . . . . . . . x . . .
c241b.vex.pclist:c241b_187 No0929      SS433                 86ghz o  o
o  o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .  o  .  x  .  .  .
c241b.vex.pclist:          No0930 J1851+0035                 86ghz .  .
. . . . . . . . . . . . . . . . . . . . . x . . .
c241b.vex.pclist:c241b_188 No0931       3C84                 86ghz .  .
. . . . . . . . o  o  o  o  x  o  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_189 No0934      3C273                 86ghz .  .
. . . . . . o . . . . . . . . . x  x  x  x  .  .  .  o  o  o
c241b.vex.pclist:c241b_190 No0935        M87                 86ghz .  .
. . . . . . o . . . . . . . . . x  x  x  x  .  .  .  o  o  o
c241b.vex.pclist:c241b_191 No0936   0420-014                 86ghz .  .
. . . . . . . . o  o  95 66 x  o  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_192 No0939   1749+096                 86ghz o  o
o  o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .  o  .  o  .  .  .
c241b.vex.pclist:          No0940 J1851+0035                 86ghz .  .
. . . . . . . . . . . . . . . . . . . . . x . . .
c241b.vex.pclist:c241b_193 No0943      SS433                 86ghz o  o
o  o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .  o  .  o  .  .  .
c241b.vex.pclist:          No0944 J1851+0035                 86ghz .  .
. . . . . . . . . . . . . . . . . . . . . x . . .
c241b.vex.pclist:c241b_194 No0946      3C279                 86ghz .  .
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. . . . . o . . . . . . . x x x x . . . o o o
c241b.vex.pclist:c241b_195 No0947       M87                 86ghz . .
. . . . . o . . . . . . . x x x x . . . o o 44
c241b.vex.pclist:c241b_196 No0948   0420-014                 86ghz . .
. . . . . o o o o o x o . . . . . . . . . . .
c241b.vex.pclist:c241b_197 No0951   1749+096                 86ghz o  o
o  o  o  o  o  o . . . . . . . . . . . . . o . o . . . .
c241b.vex.pclist:          No0952 J1851+0035                 86ghz . .
. . . . . . . . . . . . . . . . . . . . . x . . . .
c241b.vex.pclist:c241b_198 No0955      SS433                86ghz o  o
o  o  o  o  o  o . . . . . . . . . . . . . o . o . . . .
c241b.vex.pclist:          No0956 J1851+0035                 86ghz . .
. . . . . . . . . . . . . . . . . . . . . x . . . .
c241b.vex.pclist:c241b_199 No0959      3C273                86ghz . .
. . . . . o . . . . . . . x x x x . . . o o o
c241b.vex.pclist:c241b_200 No0960       M87                 86ghz . .
. . . . . o . . . . . . . x x x x . . . o o o
c241b.vex.pclist:c241b_201 No0961   0420-014                 86ghz . .
. . . . . o o o o o x o . . . . . . . . . . .
c241b.vex.pclist:c241b_202 No0966   1749+096                 86ghz o  o
o  o  o  o  o  o . . . . . . . . . . . . . o . o . . . .
c241b.vex.pclist:          No0967 J1851+0035                 86ghz . .
. . . . . . . . . . . . . . . . . . . . . x . . . .
c241b.vex.pclist:c241b_203 No0970      SS433                86ghz o  o
o  o  o  o  o  o . . . . . . . . . . . . . o . o . . . .
c241b.vex.pclist:          No0971 J1851+0035                 86ghz . .
. . . . . . . . . . . . . . . . . . . . . x . . . .
c241b.vex.pclist:c241b_204 No0972   0420-014                 86ghz . .
. . . . . o o o o o x o . . . . . . . . . . .
c241b.vex.pclist:c241b_205 No0975      3C273                86ghz . .
. . . . . o . . . . . . . x x x x . . . o o o
c241b.vex.pclist:c241b_206 No0976       M87                 86ghz . .
. . . . . o . . . . . . . x x x x . . . o o o
c241b.vex.pclist:c241b_207 No0977   0420-014                 86ghz . .
. . . . . o o o o o x o . . . . . . . . . . .
c241b.vex.pclist:c241b_208 No0980   1749+096                 86ghz o  o
o  o  o  o  o  o . . . . . . . . . . . . . o . o . . . .
c241b.vex.pclist:          No0981 J1851+0035                 86ghz . .
. . . . . . . . . . . . . . . . . . . . . x . . . .
c241b.vex.pclist:c241b_209 No0984      SS433                86ghz o  o
o  o  o  o  o  o . . . . . . . . . . . . . o . o . . . .
c241b.vex.pclist:          No0985 J1851+0035                 86ghz . .
. . . . . . . . . . . . . . . . . . . . . x . . . .
c241b.vex.pclist:c241b_210 No0988      3C279                86ghz . .
. . . . . o . . . . . . . x x x x . . . o o o
c241b.vex.pclist:c241b_211 No0989       M87                 86ghz . .
. . . . . o . . . . . . . x x x x . . . o o o
c241b.vex.pclist:c241b_212 No0990   0420-014                 86ghz . .
. . . . . o o o o o x o . . . . . . . . . . .
c241b.vex.pclist:c241b_213 No0993   1922+155                 86ghz o  o
```

```
o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .  .  o  .  o  .  .  .
c241b.vex.pclist:          No0994 J1851+0035                  86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .
c241b.vex.pclist:c241b_214 No0997      SS433                  86ghz o  o
o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .  .  o  .  o  .  .  .
c241b.vex.pclist:          No0998 J1851+0035                  86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .
c241b.vex.pclist:c241b_215 No1001      3C273                  86ghz .  .
.  .  .  .  .  o  .  .  .  .  .  .  .  x  x  x  x  .  .  .  o  o  o
c241b.vex.pclist:c241b_216 No1002        M87                  86ghz .  .
.  .  .  .  .  o  .  .  .  .  .  .  .  x  x  x  x  .  .  .  o  o  o
c241b.vex.pclist:c241b_217 No1003   0420-014                  86ghz .  .
.  .  .  .  .  .  .  o  o  o  o  x  o  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_218 No1006   1922+155                  86ghz o  o
o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .  .  o  .  o  .  .  .
c241b.vex.pclist:          No1007 J1851+0035                  86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .
c241b.vex.pclist:c241b_219 No1010      SS433                  86ghz o  o
o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .  .  o  .  o  .  .  .
c241b.vex.pclist:          No1011 J1851+0035                  86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .
c241b.vex.pclist:c241b_220 No1012   0420-014                  86ghz .  .
.  .  .  .  .  .  .  o  o  o  o  x  o  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_221 No1015      3C273                  86ghz .  .
.  .  .  .  .  .  o  .  .  .  .  .  .  .  x  x  x  x  .  .  .  o  o  o
c241b.vex.pclist:c241b_222 No1016        M87                  86ghz .  .
.  .  .  .  .  .  o  .  .  .  .  .  .  .  x  x  x  x  .  .  .  o  o  o
c241b.vex.pclist:c241b_223 No1017   0420-014                  86ghz .  .
.  .  .  .  .  .  .  o  o  o  o  x  o  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_224 No1020   1922+155                  86ghz o  o
o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .  .  o  .  o  .  .  .
c241b.vex.pclist:          No1021 J1851+0035                  86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .
c241b.vex.pclist:c241b_225 No1024      SS433                  86ghz o  o
o  o  o  o  o  .  .  .  .  .  .  .  .  .  .  .  .  .  .  o  .  o  .  .  .
c241b.vex.pclist:          No1025 J1851+0035                  86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .
c241b.vex.pclist:c241b_226 No1028      3C279                  86ghz .  .
.  .  .  .  .  o  .  .  .  .  .  .  .  x  x  x  x  .  .  .  o  o  o
c241b.vex.pclist:c241b_227 No1029        M87                  86ghz .  .
.  .  .  .  .  o  .  .  .  .  .  .  .  x  x  x  x  .  .  .  o  o  o
c241b.vex.pclist:c241b_228 No1030      OJ287                  86ghz .  .
.  .  .  .  .  .  .  o  o  o  o  x  o  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_229 No1033    3C454.3                  86ghz o  o
o  o  o  o  o  .  x  .  .  .  .  .  .  .  .  .  .  o  .  .  .  .  .  .
c241b.vex.pclist:c241b_230 No1036      3C273                  86ghz .  .
.  .  .  .  .  o  .  .  .  .  .  .  .  x  x  x  x  .  .  .  o  o  o
c241b.vex.pclist:c241b_231 No1037        M87                  86ghz .  .
.  .  .  .  .  o  .  .  .  .  .  .  .  x  x  x  x  .  .  .  o  o  o
c241b.vex.pclist:c241b_232 No1038      OJ287                  86ghz .  .
```

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. . . . . o o o o x o . . . . . .
c241b.vex.pclist:c241b_233 No1039     BLLAC                86ghz o  o
o o o o o o . x . . . . . . . . . o . . . .
c241b.vex.pclist:c241b_234 No1040    4C39.25               86ghz .  .
. . . . . o o o 47 x o . . . . . .
c241b.vex.pclist:c241b_235 No1043    3C454.3               86ghz o  o
o o o o o o . x . . . . . . . . . o . . . .
c241b.vex.pclist:c241b_236 No1045     3C273                86ghz .  .
. . . . . o . . . . . x x x x . . . o o o
c241b.vex.pclist:c241b_237 No1046       M87                86ghz .  .
. . . . . o . . . . . x x x x . . . o o o
c241b.vex.pclist:c241b_238 No1047     OJ287                86ghz .  .
. . . . . o o o o o x o . . . . . .
c241b.vex.pclist:c241b_239 No1052     BLLAC                86ghz o  o
o o o o o o . x . . . . . . . . . o . . . .
c241b.vex.pclist:c241b_240 No1054     3C279                86ghz .  .
. . . . . o . . . . . x x x x . . . o o o
c241b.vex.pclist:c241b_241 No1055       M87                86ghz .  .
. . . . . o . . . . . x x x x . . . o o o
c241b.vex.pclist:c241b_242 No1056     OJ287                86ghz .  .
. . . . . o o o o o x o . . . . . .
c241b.vex.pclist:c241b_243 No1060    3C454.3               86ghz o  o
o o o o o o . x . . . . . . . . . o . . . .
c241b.vex.pclist:c241b_244 No1061     3C273                86ghz .  .
. . . . . x x x x . . . . o o
c241b.vex.pclist:c241b_245 No1062       M87                86ghz .  .
. . . . . x x x x . . . . o o
c241b.vex.pclist:c241b_246 No1063     OJ287                86ghz .  .
. . . . . o o o o o x o . . . . . .
c241b.vex.pclist:c241b_247 No1067     BLLAC                86ghz o  o
o o o o o o o x . . . . . . . . . o . . . .
c241b.vex.pclist:c241b_248 No1068     OJ287                86ghz .  .
. . . . . o o o o o x o . . . . . .
c241b.vex.pclist:c241b_249 No1072    3C454.3               86ghz o  o
o o o o o o o x . . . . . . . . . o . . . .
c241b.vex.pclist:c241b_250 No1073     3C273                86ghz .  .
. . . . . x x x x . . . . o o
c241b.vex.pclist:c241b_251 No1074       M87                86ghz .  .
. . . . . x x x x . . . . o o
c241b.vex.pclist:c241b_252 No1075     OJ287                86ghz .  .
. . . . . o o o o o x o . . . . . .
c241b.vex.pclist:c241b_253 No1079     BLLAC                86ghz o  o
o o o o o o o x . . . . . . . . . o . . . .
c241b.vex.pclist:c241b_254 No1080     3C279                86ghz .  .
. . . . . x x x x . . . . o o
c241b.vex.pclist:c241b_255 No1081       M87                86ghz .  .
. . . . . x x x x . . . . o o
c241b.vex.pclist:c241b_256 No1082    4C39.25               86ghz .  .
. . . . . o o o o o x o . . . . . o . . . .
c241b.vex.pclist:c241b_257 No1085    3C454.3               86ghz o  o
```

```
o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_258 No1086     3C273                 86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  x  x  x  x  .  .  .  .  o  o
c241b.vex.pclist:c241b_259 No1087       M87                 86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  x  x  x  x  .  .  .  .  o  o
c241b.vex.pclist:c241b_260 No1088     OJ287                 86ghz .  .
.  .  .  .  .  .  .  o  o  90 o  x  o  .  .  .  .  o  .  .  .  .  .
c241b.vex.pclist:c241b_261 No1092     BLLAC                 86ghz o  o
o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_262 No1093     OJ287                 86ghz .  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  .  .  .  .  o  .  .  .  .  .
c241b.vex.pclist:c241b_263 No1096    3C454.3                86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_264 No1097     3C273                 86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  x  x  x  x  .  .  .  .  o  o
c241b.vex.pclist:c241b_265 No1098       M87                 86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  x  x  x  x  .  .  .  .  o  o
c241b.vex.pclist:c241b_266 No1099     OJ287                 86ghz .  .
.  .  .  .  .  .  .  o  o  o  42 x  o  .  .  .  .  o  .  .  .  .  .
c241b.vex.pclist:c241b_267 No1104     BLLAC                 86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_268 No1105     3C279                 86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  x  x  x  x  .  .  .  .  o  o
c241b.vex.pclist:c241b_269 No1106       M87                 86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  x  x  x  x  .  .  .  .  o  o
c241b.vex.pclist:c241b_270 No1107     OJ287                 86ghz .  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  .  .  .  .  o  .  .  .  .  .
c241b.vex.pclist:c241b_271 No1110    3C454.3                86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_272 No1111     3C273                 86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  x  x  x  x  .  .  .  .  o  o
c241b.vex.pclist:c241b_273 No1112       M87                 86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  x  x  x  x  .  .  .  .  o  o
c241b.vex.pclist:c241b_274 No1113     OJ287                 86ghz .  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  .  .  .  .  o  .  .  .  .  .
c241b.vex.pclist:c241b_275 No1118     BLLAC                 86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_276 No1119    4C39.25                86ghz .  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  .  .  .  .  o  .  .  .  .  .
c241b.vex.pclist:c241b_277 No1122    3C454.3                86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_278 No1123     OJ287                 86ghz .  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  .  .  .  .  o  .  .  .  .  .
c241b.vex.pclist:c241b_279 No1128     BLLAC                 86ghz o  o
o  o  o  o  o  o  o  x  x  .  .  .  .  .  x  x  x  x  .  .  .  .  .  .
c241b.vex.pclist:c241b_280 No1129     OJ287                 86ghz .  .
.  .  .  .  .  .  .  .  o  o  o  o  x  o  .  .  .  .  o  .  .  .  .  .
c241b.vex.pclist:c241b_281 No1132    3C454.3                86ghz o  o
o  o  o  o  o  o  o  x  x  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_282 No1133   1055+018                86ghz .  .
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. . . . . o o o o x o . . . . . .
c241b.vex.pclist:c241b_283 No1138     BLLAC              86ghz o  o
o o o o o o x x . . . . . x x x x . . . . . .
c241b.vex.pclist:c241b_284 No1139     OJ287              86ghz .  .
. . . . . o o o o x o . . . . o . . . . .
c241b.vex.pclist:c241b_285 No1143    3C454.3             86ghz o  o
o o o o o o x x . . . . . . . . . . . . . .
c241b.vex.pclist:c241b_286 No1144     OJ287              86ghz .  .
. . . . . o o o o x o . . . . o . . . . .
c241b.vex.pclist:c241b_287 No1149     BLLAC              86ghz o  o
o o o o o o x x . . . . . x x x x . . . . . .
c241b.vex.pclist:          No1150     3C120              86ghz .  .
. . . . . x . . . .
c241b.vex.pclist:c241b_288 No1151    4C39.25             86ghz .  .
. . . . . o o o o x o . . . . o o . . . . .
c241b.vex.pclist:c241b_289 No1155    3C454.3             86ghz o  o
o o o o o x x . . . . . . . . . . . . . .
c241b.vex.pclist:          No1156     OJ287              86ghz .  .
. . . . . x . . . .
c241b.vex.pclist:c241b_290 No1157     OJ287              86ghz .  .
. . . . . o o o o x o . . . . o o . . . . .
c241b.vex.pclist:c241b_291 No1162     BLLAC              86ghz o  o
o o o o o o x x . . . . . x x x x . . . . . .
c241b.vex.pclist:          No1163     OJ287              86ghz .  .
. . . . . x . . . .
c241b.vex.pclist:c241b_292 No1165     OJ287              86ghz o  .
. . . . . o o o o x o . . . . o o . . . . .
c241b.vex.pclist:c241b_293 No1169    3C454.3             86ghz .  o
o o o o o o o x . . . . . x x x o . . . . . .
c241b.vex.pclist:c241b_294 No1172     OJ287              86ghz o  .
. . . . . x . . . . . o o . . . . .
c241b.vex.pclist:c241b_295 No1173    1055+018            86ghz .  .
. . . . . o o o o x o . . . . . .
c241b.vex.pclist:c241b_296 No1177    3C454.3             86ghz .  o
o o o o o o o . . . . . x x x o . . . . . .
c241b.vex.pclist:          No1178     OJ287              86ghz .  .
. . . . . x . . . .
c241b.vex.pclist:c241b_297 No1181     OJ287              86ghz o  .
. . . . . x o o o o o x o . . . . o o . . . . .
c241b.vex.pclist:c241b_298 No1186    3C454.3             86ghz .  o
o o o o o o o . . . . . x x x o . . . . . .
c241b.vex.pclist:c241b_299 No1189     OJ287              86ghz o  .
. . . . . x o o o o 09 o . . . . o o . . . . .
c241b.vex.pclist:c241b_300 No1194    3C454.3             86ghz .  o
o o o o o o o . . . . . o x x o . . . . . .
c241b.vex.pclist:c241b_301 No1197    4C39.25             86ghz o  .
. . . . . x o o o o o x o . . . . o o . . . . .
c241b.vex.pclist:c241b_302 No1202    3C454.3             86ghz .  o
o o o o o o o . . . . . o x x o . . . . . .
c241b.vex.pclist:          No1203     OJ287              86ghz .  .
```

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. . . . . . . . . . . . . . . . . . . . x . . . .
c241b.vex.pclist:c241b_303 No1205     OJ287                86ghz o  o
o  o  .  .  .  .  x  o  o  o  o  o  o  .  .  .  .  o  o  .  .  .  .
c241b.vex.pclist:c241b_304 No1210    3C454.3               86ghz .  .
.  .  o  o  o  o  .  .  .  .  .  .  .  o  x  x  o  .  .  .  .  .  .
c241b.vex.pclist:c241b_305 No1214     OJ287                86ghz o  o
o  o  o  .  o  .  x  o  o  o  o  o  o  o  .  .  .  .  o  95 .  .  .  .
c241b.vex.pclist:          No1215     OJ287                86ghz .  .
. . . . . . . . . . . . . . . . . . . . x . . . .
c241b.vex.pclist:c241b_306 No1220     OJ287                86ghz o  o
o  o  o  o  o  o  .  x  .  .  .  .  .  .  .  .  .  .  o  x  .  .  .  .
c241b.vex.pclist:c241b_307 No1221   1055+018               86ghz .  .
.  .  .  .  .  .  .  .  o  o  o  o  o  o  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_308 No1226     OJ287                86ghz o  o
o  o  o  o  o  o  .  x  o  o  o  o  o  o  o  .  .  .  .  o  x  .  .  .  .
c241b.vex.pclist:c241b_309 No1231     OJ287                86ghz o  o
o  o  o  o  o  o  .  x  o  o  85 o  o  o  .  .  .  .  o  x  .  .  .  .
c241b.vex.pclist:c241b_310 No1236    4C39.25               86ghz o  o
o  o  o  o  o  o  .  x  o  o  o  o  o  o  o  .  .  .  .  o  x  .  .  .  .
c241b.vex.pclist:          No1237     OJ287                86ghz .  .
. . . . . . . . . . . . . . . . . . . . x . . . .
c241b.vex.pclist:c241b_311 No1242     OJ287                86ghz o  o
o  o  o  o  o  o  .  x  o  o  o  o  o  o  o  .  .  .  .  o  o  .  .  .  .
c241b.vex.pclist:c241b_312 No1247     OJ287                86ghz o  o
o  o  o  o  o  o  .  x  o  o  o  o  o  o  o  .  .  .  .  o  o  .  .  .  .
c241b.vex.pclist:c241b_313 No1252     OJ287                86ghz o  o
o  o  o  o  o  o  .  x  o  o  o  o  o  o  o  .  .  .  .  o  o  .  .  .  .
c241b.vex.pclist:          No1253     OJ287                86ghz .  .
. . . . . . . . . . . . . . . . . . . . x . . . .
c241b.vex.pclist:c241b_314 No1258     OJ287                86ghz o  o
o  o  o  o  o  o  .  x  o  o  o  o  o  o  o  .  .  .  .  o  o  .  .  .  .
c241b.vex.pclist:c241b_315 No1263     OJ287                86ghz o  o
o  o  o  o  o  o  .  x  o  o  o  o  o  o  o  .  .  .  .  o  o  .  .  .  .
c241b.vex.pclist:c241b_316 No1268    4C39.25               86ghz o  o
o  o  o  o  o  o  .  x  o  o  o  o  o  o  o  .  .  .  .  o  o  .  .  .  .
c241b.vex.pclist:          No1269     OJ287                86ghz .  .
. . . . . . . . . . . . . . . . . . . . x . . . .
c241b.vex.pclist:c241b_317 No1274     OJ287                86ghz o  o
o  o  o  o  o  o  .  x  o  o  o  o  o  o  o  .  .  .  .  o  o  .  .  .  .
c241b.vex.pclist:c241b_318 No1277   1055+018               86ghz o  o
o  o  o  .  .  .  x  o  o  o  o  o  o  o  .  .  .  .  o  o  .  .  .  .
c241b.vex.pclist:c241b_319 No1282     OJ287                86ghz o  o
o  o  o  o  o  o  o  x  o  o  o  o  o  o  o  .  .  .  .  57 o  .  .  .  .
c241b.vex.pclist:          No1283     OJ287                86ghz .  .
. . . . . . . . . . . . . . . . . . . . x . . . .
c241b.vex.pclist:c241b_320 No1288     OJ287                86ghz o  o
o  o  o  o  o  o  o  x  o  o  o  o  o  o  o  .  .  .  .  o  o  .  .  .  .
c241b.vex.pclist:c241b_321 No1293    4C39.25               86ghz o  o
o  o  o  o  o  o  o  o  x  o  o  o  o  o  o  o  .  .  .  .  o  o  .  .  .  .
c241b.vex.pclist:c241b_322 No1298     OJ287                86ghz o  o
```

```
o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  o  o  .  .  .
c241b.vex.pclist:          No1299      OJ287                86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .
c241b.vex.pclist:c241b_323 No1304      OJ287                86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  o  o  .  .  .
c241b.vex.pclist:c241b_324 No1309   1055+018                86ghz o  o
o  o  o  o  o  o  .  x  .  .  .  .  .  .  .  .  .  o  o  .  .  .
c241b.vex.pclist:c241b_325 No1314      OJ287                86ghz o  o
o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  o  o  .  .  .
c241b.vex.pclist:          No1315      OJ287                86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .
c241b.vex.pclist:c241b_326 No1320      OJ287                86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  o  o  .  .  .
c241b.vex.pclist:c241b_327 No1325      OJ287                86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  o  o  .  .  .
c241b.vex.pclist:c241b_328 No1330    4C39.25                86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  o  o  .  .  .
c241b.vex.pclist:          No1331      OJ287                86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .
c241b.vex.pclist:c241b_329 No1336      OJ287                86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  o  o  .  .  .
c241b.vex.pclist:c241b_330 No1341      OJ287                86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  o  o  .  .  .
c241b.vex.pclist:c241b_331 No1345   1055+018                86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  o  o  .  .  .
c241b.vex.pclist:          No1346      OJ287                86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .
c241b.vex.pclist:c241b_332 No1351      OJ287                86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  o  o  .  .  .
c241b.vex.pclist:c241b_333 No1356      OJ287                86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  o  o  .  .  .
c241b.vex.pclist:c241b_334 No1361    4C39.25                86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  o  .  .  .  .
c241b.vex.pclist:          No1362      OJ287                86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .
c241b.vex.pclist:c241b_335 No1367      OJ287                86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  o  .  .  .  .
c241b.vex.pclist:c241b_336 No1372      OJ287                86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  o  .  .  .  .
c241b.vex.pclist:c241b_337 No1377   1055+018                86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  o  .  .  .  .
c241b.vex.pclist:          No1378      OJ287                86ghz .  .
.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  x  .  .  .
c241b.vex.pclist:c241b_338 No1383      OJ287                86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  o  x  x  x  .  o  .  .  .  .
c241b.vex.pclist:c241b_339 No1388      OJ287                86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  o  x  x  x  .  o  .  .  .  .
c241b.vex.pclist:c241b_340 No1393    4C39.25                86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  o  x  x  53 .  o  .  .  .  .
c241b.vex.pclist:          No1394      OJ287                86ghz .  .
```

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. . . . . . . . . . . . . . . . . . . . . x . . . .
c241b.vex.pclist:c241b_341 No1399     OJ287                 86ghz o  o
o  o  o  o  o  o  o  x  .  .  .  .  .  .  o  x  x  o  .  o  .  .  .  .
c241b.vex.pclist:c241b_342 No1403     OJ287                 86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  o  x  x  o  .  o  .  .  .  .
c241b.vex.pclist:c241b_343 No1408     OJ287                 86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  o  x  x  90 .  o  .  .  .  .
c241b.vex.pclist:c241b_344 No1413   1055+018                86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
c241b.vex.pclist:c241b_345 No1418     OJ287                 86ghz o  o
o  o  o  o  o  o  o  o  .  .  .  .  .  .  o  x  x  o  .  .  .  .  .  .
c241b.vex.pclist:c241b_346 No1423     OJ287                 86ghz o  o
o  o  o  o  o  o  o  o  .  .  .  .  .  .  o  x  x  o  .  .  .  .  .  .
c241b.vex.pclist:c241b_347 No1428     OJ287                 86ghz o  o
o  o  o  o  o  o  o  o  .  .  .  .  .  .  o  x  x  o  .  .  .  .  .  .
c241b.vex.pclist:c241b_348 No1433    4C39.25                86ghz o  o
o  o  o  o  o  o  o  o  x  .  .  .  .  .  o  x  x  o  .  .  .  .  .  .
c241b.vex.pclist:c241b_349 No1438     OJ287                 86ghz o  o
o  o  o  o  o  o  90 .  .  .  .  .  .  .  o  x  x  o  .  .  .  .  .  .
c241b.vex.pclist:c241b_350 No1443     OJ287                 86ghz .  o
o  o  o  o  o  o  x  .  .  .  .  .  .  .  o  x  x  o  .  .  .  .  .  .
c241b.vex.pclist:c241b_351 No1448     OJ287                 86ghz .  o
o  o  o  o  o  o  x  .  .  .  .  .  .  .  o  x  x  o  .  .  .  .  .  .
c241b.vex.pclist:c241b_352 No1451   1055+018                86ghz .  .
.  .  .  .  .  .  x  .  .  .  .  .  .  .  o  x  x  o  .  .  .  .  .  .
c241b.vex.pclist:c241b_353 No1454     OJ287                 86ghz .  .
.  .  .  .  .  .  x  .  .  .  .  .  .  .  o  x  x  o  .  .  .  .  .  .
c241b.vex.pclist:c241b_354 No1457     OJ287                 86ghz .  .
.  .  .  .  .  .  x  .  .  .  .  .  .  .  o  x  x  o  .  .  .  .  .  .
c241b.vex.pclist:c241b_355 No1460     OJ287                 86ghz .  .
.  .  .  .  .  .  o  .  .  .  .  .  .  .  o  x  x  o  .  .  .  .  .  .
c241b.vex.pclist:c241b_356 No1463    4C39.25                86ghz .  .
.  .  .  .  .  .  o  .  .  .  .  .  .  .  o  x  x  o  .  .  .  .  .  .
c241b.vex.pclist:c241b_357 No1466     OJ287                 86ghz .  .
.  .  .  .  .  .  o  .  .  .  .  .  .  .  o  x  x  o  .  .  .  .  .  .
c241b.vex.pclist:c241b_358 No1469     OJ287                 86ghz .  .
.  .  .  .  .  .  o  .  .  .  .  .  .  .  o  x  x  o  .  .  .  .  .  .
c241b.vex.pclist:c241b_359 No1472     OJ287                 86ghz .  .
.  .  .  .  .  .  o  .  .  .  .  .  .  .  o  x  x  o  .  .  .  .  .  .
c241b.vex.pclist:c241b_360 No1475     OJ287                 86ghz .  .
.  .  .  .  .  .  o  .  .  .  .  .  .  .  o  x  x  o  .  .  .  .  .  .
c241b.vex.pclist:c241b_361 No1478   1055+018                86ghz .  .
.  .  .  .  .  .  o  .  .  .  .  .  .  .  o  x  x  o  .  .  .  .  .  .
c241b.vex.pclist:c241b_362 No1481     OJ287                 86ghz .  .
.  .  .  .  .  .  o  .  .  .  .  .  .  .  o  x  x  o  .  .  .  .  .  .
c241b.vex.pclist:c241b_363 No1484     OJ287                 86ghz .  .
.  .  .  .  .  .  o  .  .  .  .  .  .  .  o  x  x  o  .  .  .  .  .  .
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