

C241C Correlation Report

General information

- Session info: <http://www3.mpifr-bonn.mpg.de/div/vlbi/globalmm/>
- Station feedback: Mh started on time with snow, Ys on time good weather, Gl on time, Pv on time with good weather, Ef cloudy, Nn on time, Aa good

Status

what	date
Contacted Ef to start transfer (done)	02.05.2024
Made filelists for Pv	06.05.2024
Augmented vex file	29.05.2024
Connected NN to VLBA	14.06.2024
Started Mh transfer, finished	08.07.2024
Started ys transfer	24.07.2024
Started on transfer	25.07.2024
Found fringe to Gl, Pv transfer started	21.08.2024

Fringes

Station	Fringes	Plots	Comments
Ef	y	No0232_B.pdf	
On	y	No0232_X.pdf	
Ys	y	No0232_Y.pdf	
Pv	y	No0232_P.pdf	
Nn	y	No0232_N.pdf	
Mh	y	No0232_Z.pdf	
Gl	y	No0250_g.pdf	
VLBA(8 + 2)	y	3mm: No0280_b.pdf , No0280_k.pdf , No0280_l.pdf , No0280_n.pdf , No0280_o.pdf , No0280_p.pdf , No0299_f.pdf , No0350_m.pdf 7mm: No0552_f.pdf , No0552_k.pdf , No0552_l.pdf , No0552_m.pdf ,	

Station	Fringes	Plots	Comments
		No0552 o.pdf , No0552 p.pdf , No0676 c.pdf , No0676 h.pdf , No0676 n.pdf , No0552 b.pdf	
Aa	y	No0308 A.pdf	

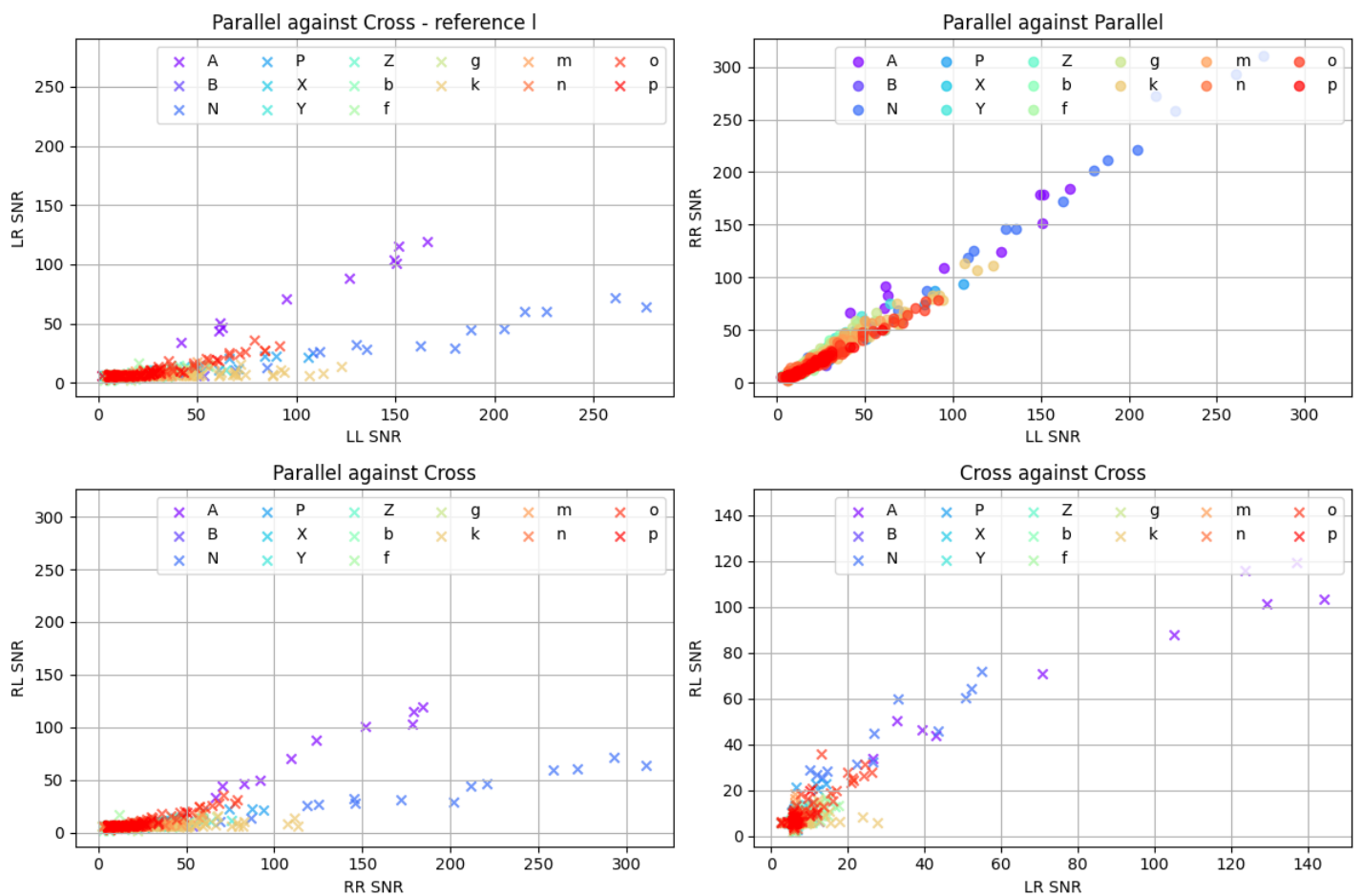
Notes

Note Ys offset of $\sim 0.25 \mu\text{s}$ @ 3mm.

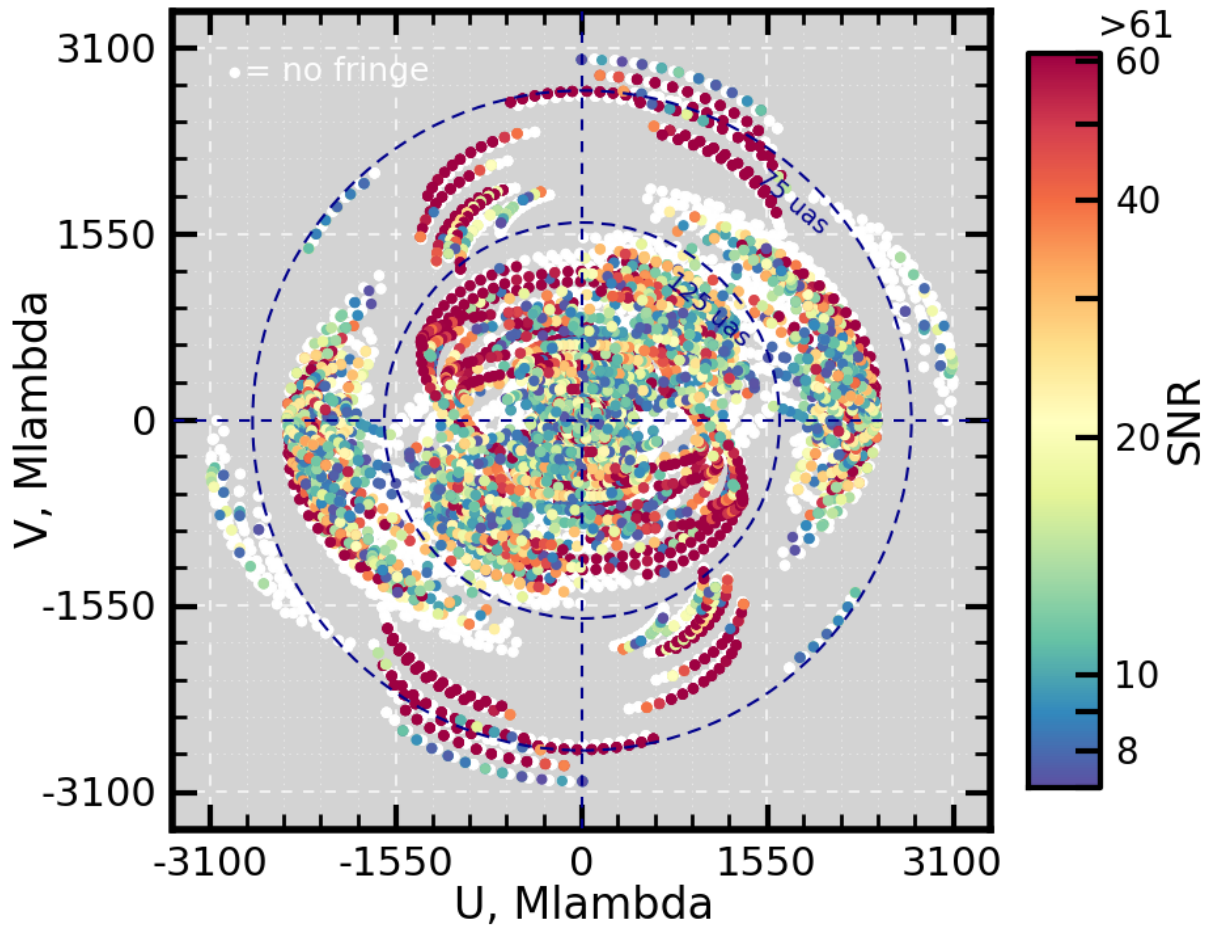
Post-Correlation checks

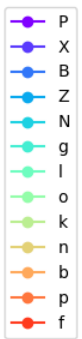
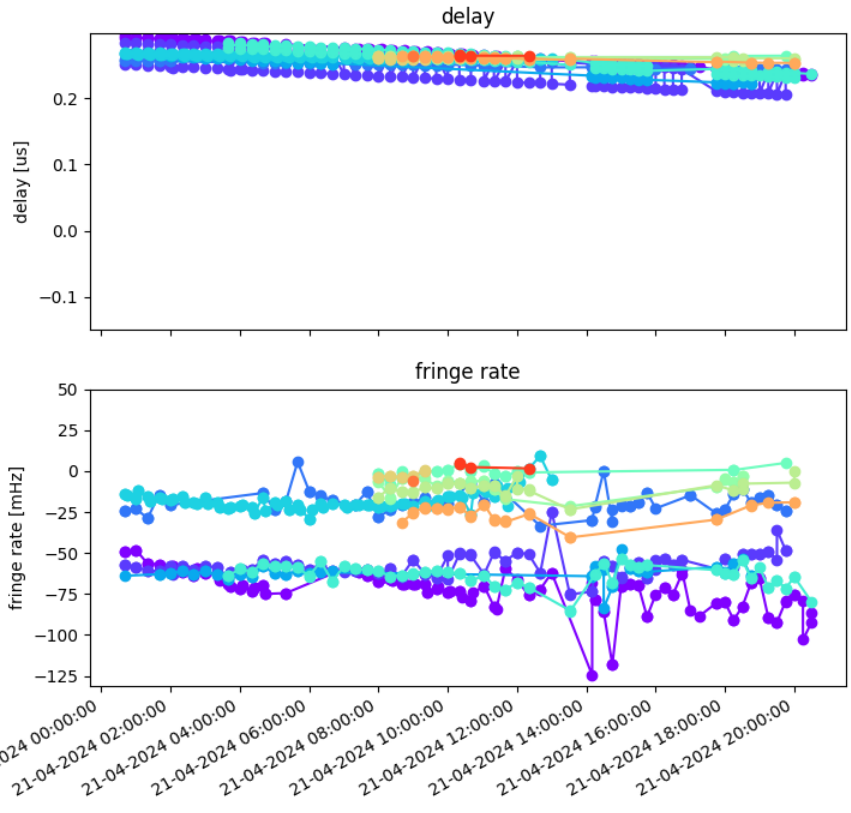
Residuals

3mm



UV cov.: all sources, all antennas, all pols.





Delays statistics

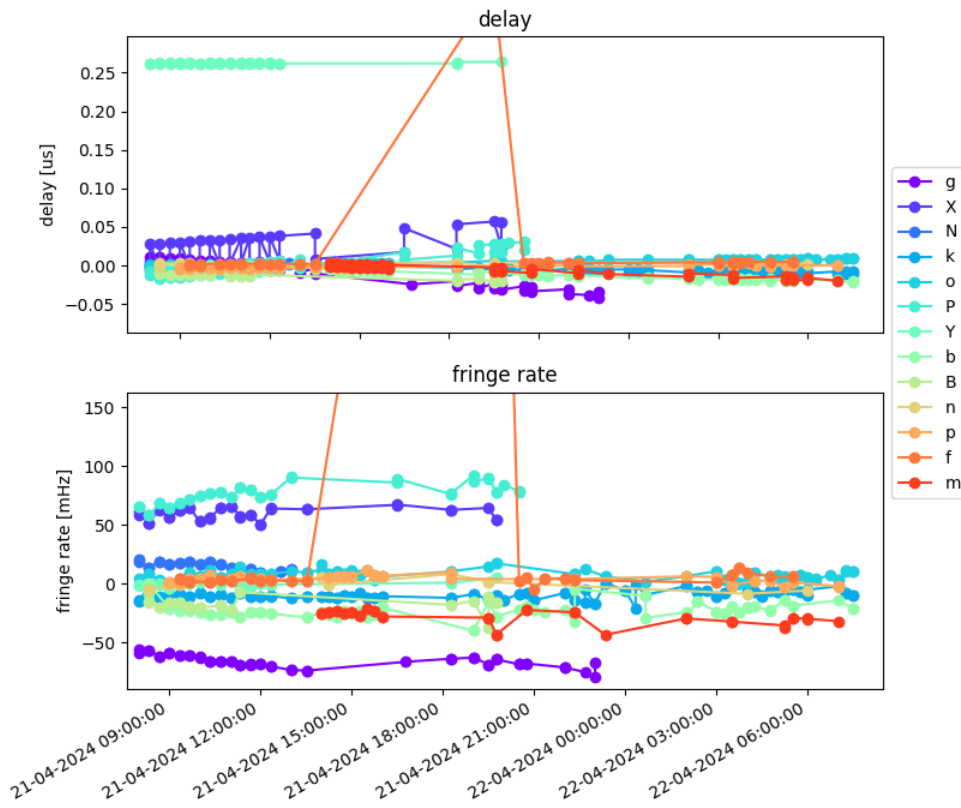
st	#pts	mean	std. dev
P	152	+0.2662	0.016999
X	124	+0.2447	0.021388
B	85	+0.2493	0.004459
Z	57	+0.2457	0.015976
N	141	+0.2629	0.002972
g	90	+0.2584	0.015219
l	31	+0.2622	0.000754
o	30	+0.2605	0.001168
k	37	+0.2611	0.002004
n	10	+0.2610	0.002257
b	30	+0.2596	0.003473
p	01	+0.2633	0.000000
f	04	+0.2641	0.000301

Fringe rate statistics

st	#pts	mean	std. dev
P	152	-71.5628	11.856054
X	124	-57.5813	7.081446
B	85	-18.5217	6.804025
Z	57	-62.0307	4.516405
N	141	-17.7978	5.845878
g	90	-63.1221	6.064536
l	31	-0.5659	2.979055
o	30	-7.7857	4.543875
k	37	-10.8901	4.327160
n	10	-2.6358	1.578964
b	30	-25.6633	5.471815
p	01	-5.5615	0.000000
f	04	+3.3878	1.346476

Reference station: Y

Pol: LL,RR



Delays statistics

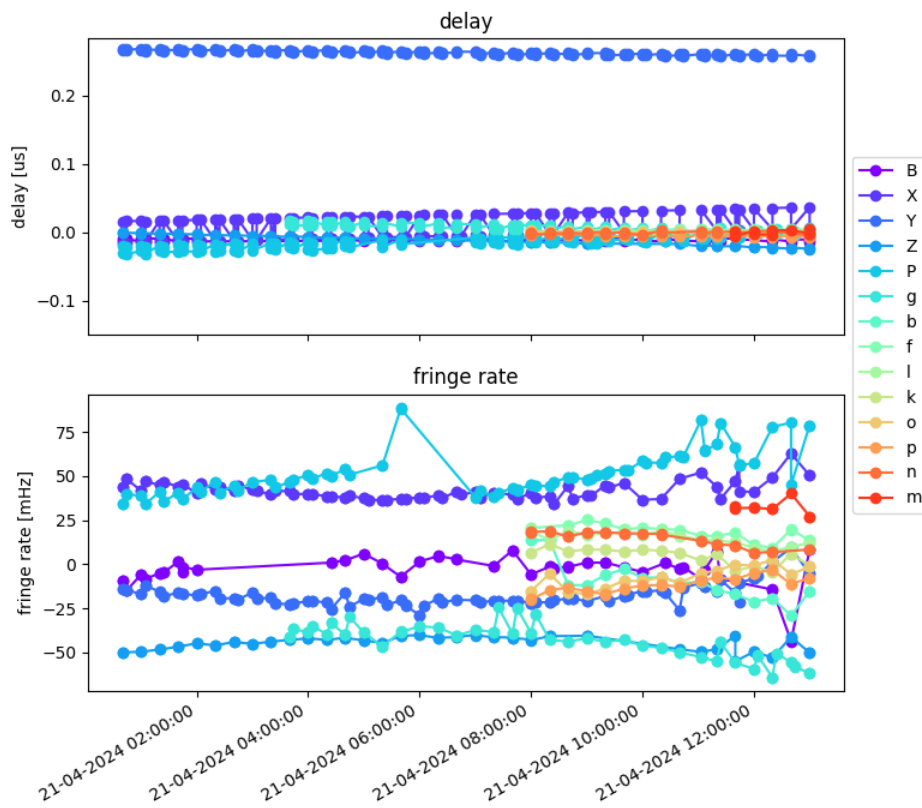
st	#pts	mean	std. dev
g	50	-0.0097	0.015985
X	37	+0.0217	0.018775
N	32	+0.0011	0.001187
k	118	-0.0046	0.003408
o	94	+0.0046	0.003005
P	43	+0.0026	0.013881
Y	31	+0.2622	0.000754
b	85	-0.0091	0.007140
B	23	-0.0141	0.003750
n	15	+0.0014	0.002031
p	57	-0.0018	0.001528
f	41	+0.0114	0.054892
m	38	-0.0064	0.007021

Fringe rate statistics

st	#pts	mean	std. dev
g	50	-66.3024	5.061016
X	37	+59.8524	5.082201
N	32	+14.5999	3.633801
k	118	-9.1148	3.840752
o	94	+7.3980	3.747610
P	43	+76.5025	8.361049
Y	31	-0.5659	2.979055
b	85	-22.9940	6.208254
B	23	-17.7988	5.850000
n	15	-0.6247	4.334955
p	57	+4.0728	3.126270
f	41	+27.0154	146.563520
m	38	-28.3007	5.826191

Reference station: l

Pol: LL,RR



Delays statistics

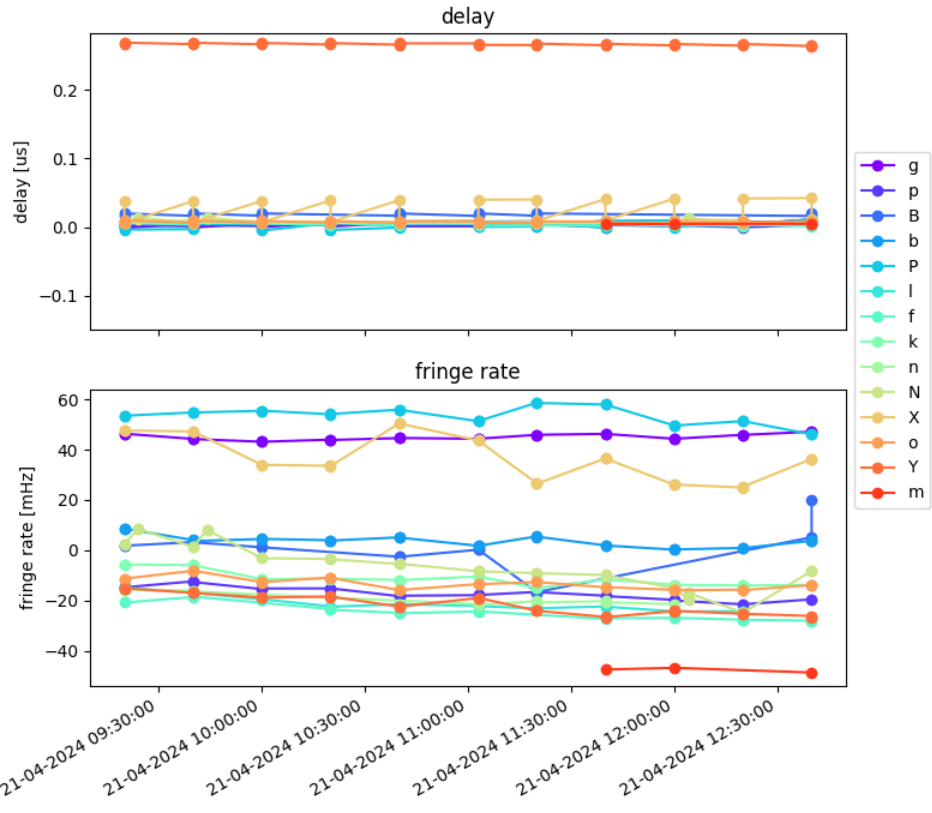
st	#pts	mean	std. dev
B	72	-0.0111	0.001822
X	130	+0.0095	0.016622
Y	141	+0.2629	0.002972
Z	65	-0.0110	0.006846
P	124	-0.0132	0.009088
g	78	+0.0064	0.005726
b	32	+0.0006	0.001796
f	30	+0.0029	0.001550
l	32	+0.0011	0.001187
k	32	+0.0004	0.000719
o	32	+0.0004	0.001130
p	31	-0.0048	0.001272
n	26	-0.0004	0.001701
m	09	-0.0000	0.003148

Fringe rate statistics

st	#pts	mean	std. dev
B	72	-3.1676	8.770634
X	130	+41.6832	4.886978
Y	141	-17.7978	5.845878
Z	65	-44.6674	3.810010
P	124	+51.1629	12.211995
g	78	-43.6664	9.270892
b	32	-9.8709	10.856086
f	30	+18.2808	4.266979
l	32	+14.5999	3.633801
k	32	+4.6655	4.617115
o	32	-7.3954	5.825215
p	31	-11.3859	4.276935
n	26	+14.1944	4.355720
m	09	+31.6566	3.625766

Reference station: N

Pol: LL,RR



Delays statistics

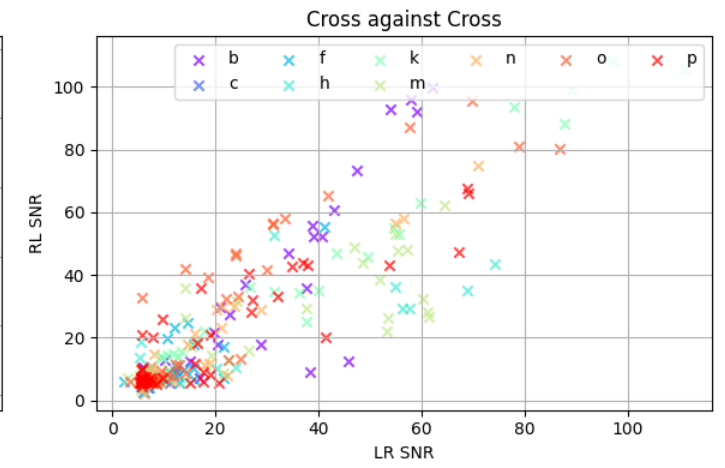
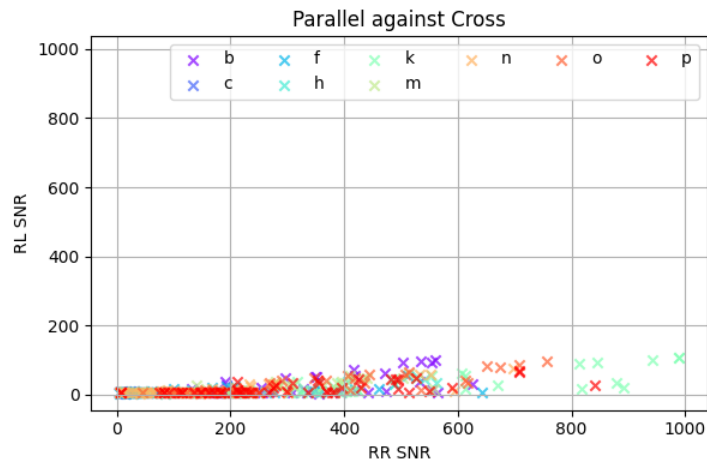
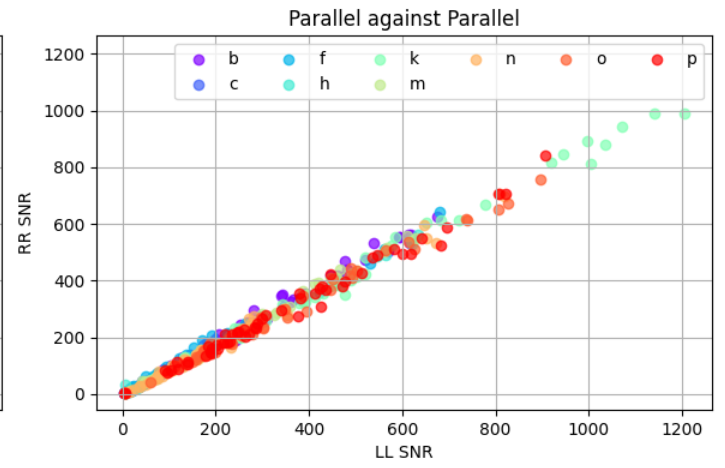
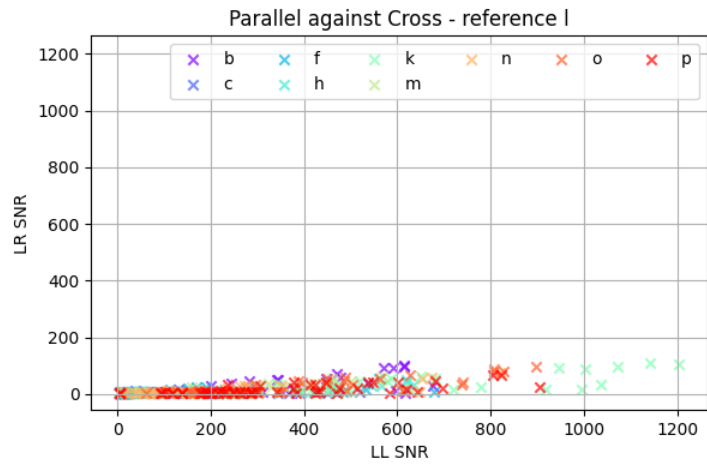
st	#pts	mean	std. dev
g	22	+0.0050	0.003499
p	20	+0.0025	0.001343
B	14	+0.0182	0.001733
b	22	+0.0066	0.001718
P	22	+0.0033	0.004934
l	20	+0.0057	0.001000
f	17	+0.0038	0.001748
k	22	+0.0067	0.000782
n	11	+0.0072	0.001539
N	28	+0.0079	0.002641
X	22	+0.0242	0.015717
o	22	+0.0072	0.001315
Y	22	+0.2668	0.001393
m	03	+0.0047	0.000135

Fringe rate statistics

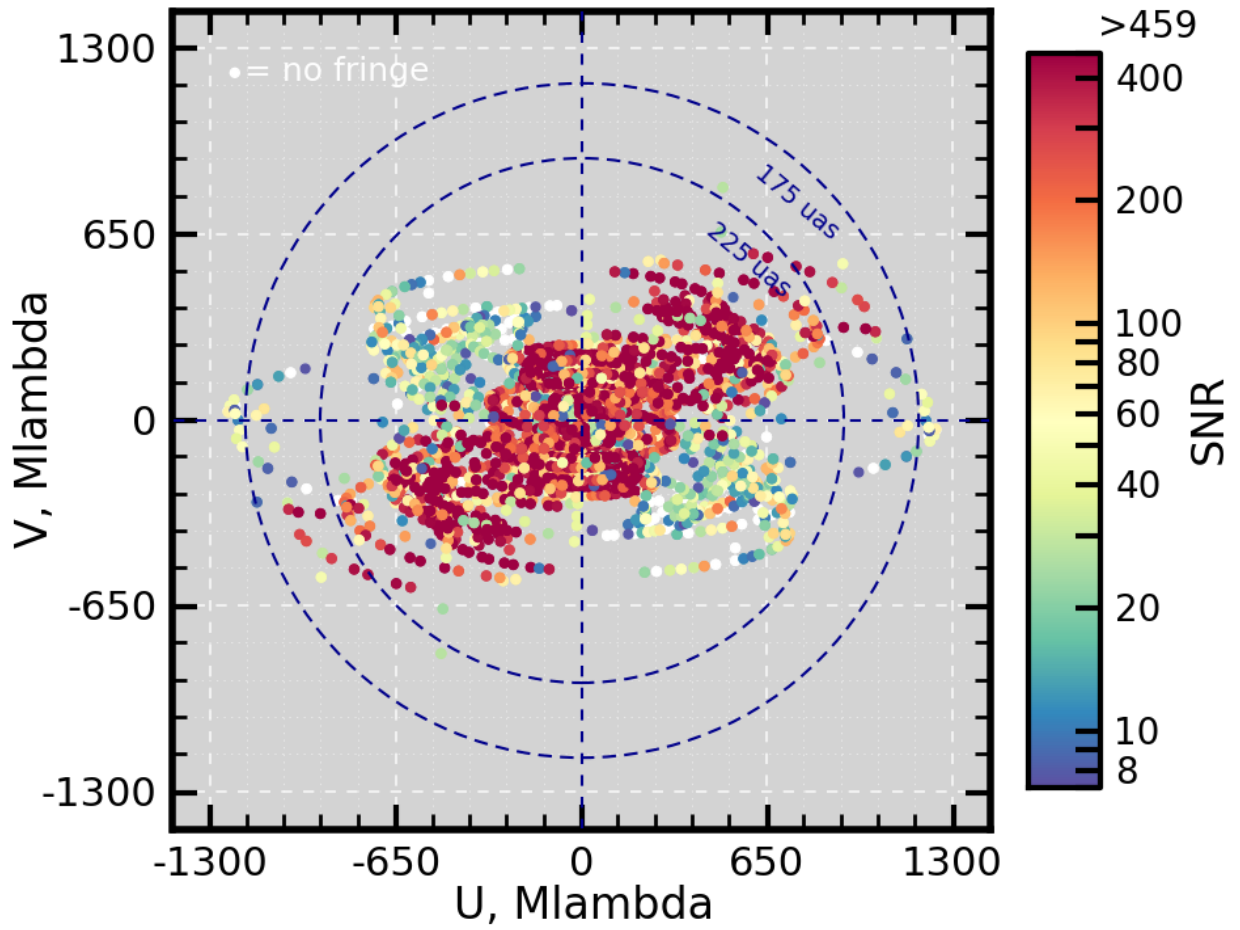
st	#pts	mean	std. dev
g	22	+45.0911	1.193866
p	20	-16.9324	2.400009
B	14	-0.0781	8.589979
b	22	+3.5843	2.278287
P	22	+53.5123	3.528819
l	20	-21.2086	2.975844
f	17	-24.9410	3.023065
k	22	-11.4086	2.957754
n	11	-19.1954	2.443294
N	28	-6.1523	9.167377
X	22	+36.9693	8.718074
o	22	-13.2670	2.305781
Y	22	-21.6295	3.843021
m	03	-47.6968	0.771681

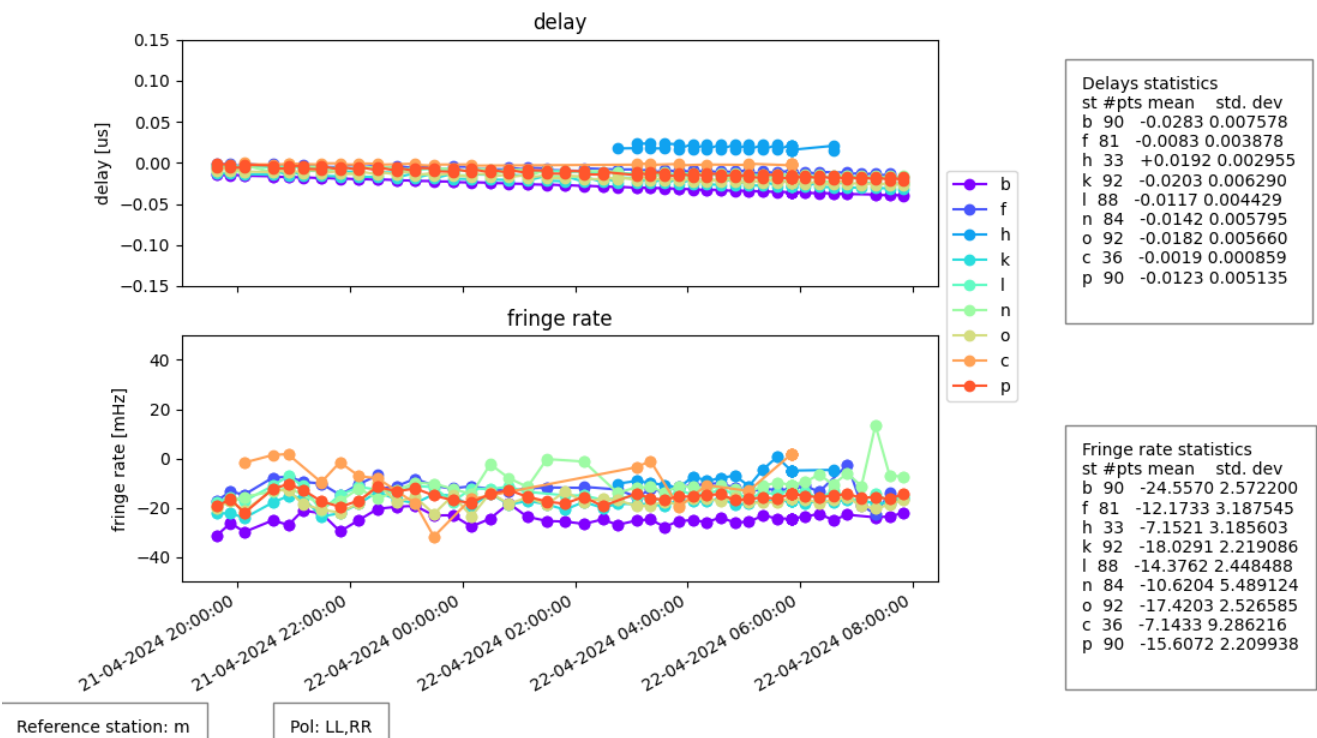
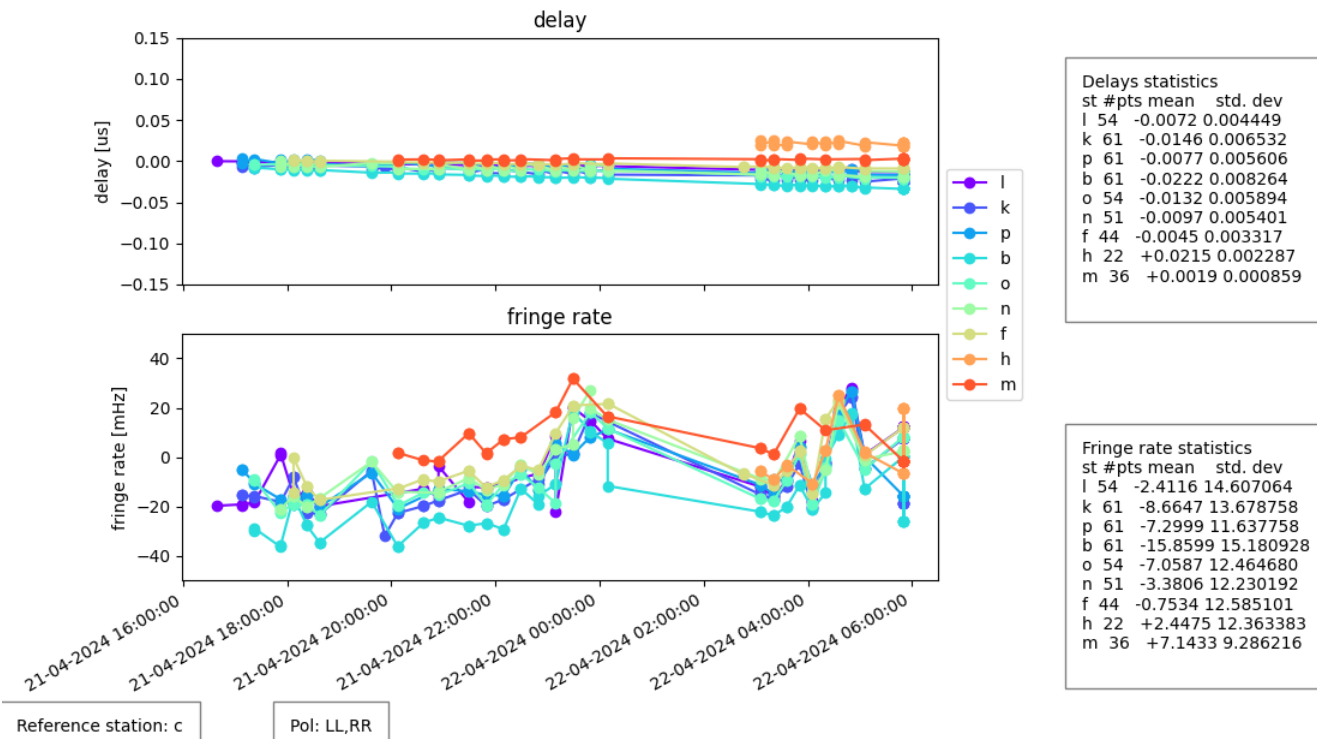
Reference station: A Pol: YL,XR

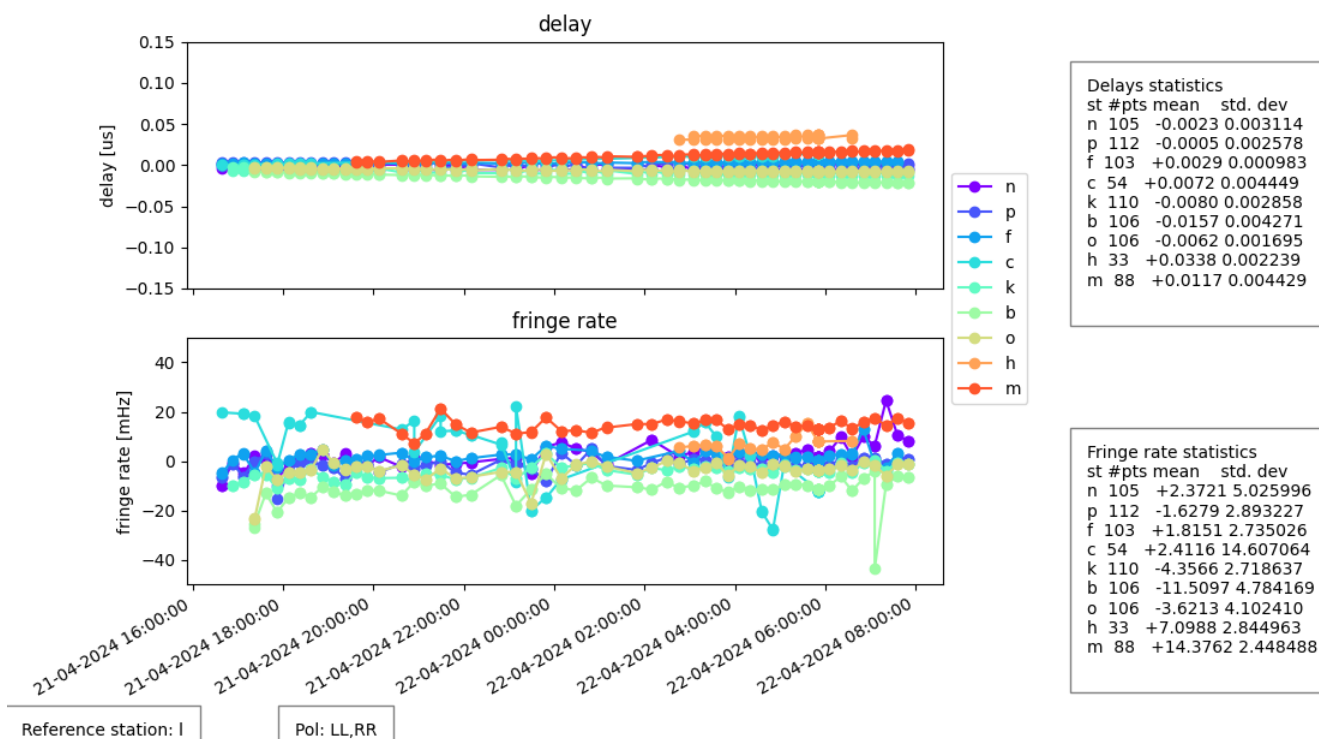
7mm



UV cov.: all sources, all antennas, all pols.







FITS completeness (plist)

3mm

FD	PT	LA	KP	OV	BR	AA	MK	HS	SC	HN	EF	ON	YS	PV	NN	MH	GL	NL
c241c_001	No0232					2013+370					86ghz	o	o	o	o	o	.	.
.								
c241c_002	No0233					CYG_X3					86ghz	o	o	o	o	o	.	.
.								
c241c_003	No0234					2013+370					86ghz	o	o	o	o	o	.	.
.								
c241c_004	No0235					CYG_X3					86ghz	o	o	o	o	o	.	.
.								
c241c_005	No0236					2013+370					86ghz	o	o	o	o	o	.	.
.								
c241c_006	No0237					CYG_X3					86ghz	o	o	o	o	o	.	.
.								
c241c_007	No0238					2013+370					86ghz	o	o	66	o	o	.	.
.								
c241c_008	No0239					CYG_X3					86ghz	o	o	o	o	o	.	.
.								
c241c_009	No0240					2013+370					86ghz	o	o	o	o	o	.	.
.								
c241c_010	No0241					CYG_X3					86ghz	o	o	o	o	o	.	.
.								
c241c_011	No0242					2013+370					86ghz	o	o	o	o	o	.	.
.								

c241c_012	No0243	CYG_X3	86ghz	o	o	o	o	o	o	.	.
.
c241c_013	No0244	2013+370	86ghz	o	o	o	o	o	o	.	.
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c241c_014	No0245	CYG_X3	86ghz	o	o	o	o	o	o	.	.
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c241c_015	No0246	2013+370	86ghz	o	o	o	o	o	o	.	.
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c241c_016	No0247	CYG_X3	86ghz	o	o	o	o	o	o	.	.
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c241c_017	No0248	2013+370	86ghz	o	o	o	o	o	o	.	.
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c241c_018	No0249	CYG_X3	86ghz	o	o	o	o	o	o	.	.
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c241c_019	No0250	2013+370	86ghz	o	o	o	o	o	o	o	.
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c241c_020	No0251	CYG_X3	86ghz	o	o	o	o	o	o	o	.
.
c241c_021	No0252	2013+370	86ghz	o	o	o	o	o	o	o	.
.
c241c_022	No0253	CYG_X3	86ghz	o	o	o	o	o	o	o	.
.
c241c_023	No0254	2013+370	86ghz	o	o	o	o	o	o	o	.
.
c241c_024	No0255	CYG_X3	86ghz	o	o	o	o	o	o	o	.
.
c241c_025	No0256	2013+370	86ghz	o	o	o	o	o	o	o	.
.
c241c_026	No0257	CYG_X3	86ghz	o	o	o	o	o	o	o	.
.
c241c_027	No0258	2013+370	86ghz	o	o	o	o	o	o	o	.
.
c241c_028	No0259	CYG_X3	86ghz	o	o	98	o	o	o	o	.
.
c241c_029	No0260	2013+370	86ghz	o	o	o	o	o	o	o	.
.
c241c_030	No0261	CYG_X3	86ghz	o	o	98	o	o	o	o	.
.
c241c_031	No0262	2013+370	86ghz	o	o	o	o	o	o	o	.
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c241c_032	No0263	CYG_X3	86ghz	o	o	o	o	o	o	o	.
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c241c_033	No0264	2013+370	86ghz	o	o	o	o	o	o	o	.
.
c241c_034	No0265	CYG_X3	86ghz	o	o	o	o	o	o	o	.
.
c241c_035	No0266	2013+370	86ghz	o	o	o	o	o	o	o	.
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c241c_036	No0267	CYG_X3	86ghz	o	o	o	o	o	o	o	.
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c241c_037	No0268	2013+370	86ghz	o	o	o	.	o	o	o	.
.
c241c_038	No0269	CYG_X3	86ghz	o	o	.	o	o	o	o	.
.
c241c_039	No0270	2013+370	86ghz	o	o	o	o	o	o	o	.
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c241c_040	No0271	CYG_X3	86ghz	o	o	o	o	o	o	o	.
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c241c_041	No0272	2013+370	86ghz	o	o	o	o	o	o	o	.
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c241c_042	No0273	CYG_X3	86ghz	o	o	o	o	o	o	o	.
.
c241c_043	No0274	2013+370	86ghz	o	o	o	o	o	o	o	.
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c241c_044	No0275	CYG_X3	86ghz	o	o	o	o	o	o	o	.
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c241c_045	No0280	2013+370	86ghz	o	o	o	o	o	o	o	o
o	o	o	o	o	o
c241c_046	No0281	CYG_X3	86ghz	o	o	o	o	o	o	o	o
o	o	o	o	o	o	.	.	.	.	.	.
c241c_047	No0286	2013+370	86ghz	o	o	o	o	o	o	o	o
o	o	o	o	o	o	.	.	.	.	.	.
c241c_048	No0287	CYG_X3	86ghz	o	o	98	o	o	o	o	o
o	o	o	o	o	o	.	.	.	.	.	.
c241c_049	No0292	2013+370	86ghz	o	o	o	o	o	o	o	o
o	o	o	o	o	o
c241c_050	No0293	CYG_X3	86ghz	o	o	98	o	o	o	o	o
o	o	o	o	o	o
	No0294	J2134-0153	86ghz
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c241c_051	No0299	2013+370	86ghz	o	o	o	o	o	o	o	o
o	o	o	o	o	o
c241c_052	No0300	CYG_X3	86ghz	o	o	o	o	o	o	o	o
o	o	o	o	o	o
	No0301	2013+370	86ghz
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c241c_053	No0302	CYG_X3	86ghz	o	o	o	o	o	o	o	o
o	o	o	o	o	o	o
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c241c_054	No0308	2013+370	86ghz	o	o	o	o	o	o	o	o
o	o	o	o	o	o	o
c241c_055	No0309	CYG_X3	86ghz	o	o	o	o	o	o	o	o
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c241c_057	No0316	CYG_X3	86ghz	o	o	o	o	o	o	o	o
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	No0317	2013+370	86ghz
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c241c_058	No0322	2013+370	86ghz	o	o	o	o	o	o	o	o
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c241c_059	No0323	CYG_X3	86ghz	o	o	o	o	o	o	o	o
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	No0324	2013+370	86ghz
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c241c_060	No0329	2013+370	86ghz	o	o	o	o	o	o	o	o
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c241c_061	No0330	CYG_X3	86ghz	o	o	o	o	o	o	o	o
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	No0339	J2134-0153	86ghz
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c241c_064	No0344	2013+370	86ghz	o	o	o	o	o	o	o	o
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c241c_065	No0345	CYG_X3	86ghz	o	o	o	o	o	o	o	o
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	No0346	2013+370	86ghz
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c241c_066	No0350	2013+370	86ghz	o	o	o	o	o	o	o	o
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c241c_067	No0351	CYG_X3	86ghz	o	o	o	o	o	o	o	o
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	No0352	2013+370	86ghz
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c241c_068	No0357	2013+370	86ghz	o	o	o	o	o	o	o	o
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c241c_069	No0358	CYG_X3	86ghz	o	o	o	o	o	o	o	o
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	No0359	2013+370	86ghz
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c241c_070	No0364	2013+370	86ghz	o	o	o	o	o	o	o	o
o	o	o	o	o	o	o	o	o	o	o	o
c241c_071	No0365	CYG_X3	86ghz	o	o	o	o	o	o	o	o
o	o	o	o	o	o	o	o	o	o	o	o
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c241c_072	No0370	2013+370	86ghz	o	o	o	o	o	o	o	o
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c241c_073	No0371	CYG_X3	86ghz	o	o	o	o	o	o	o	o
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	No0372	2013+370	86ghz
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c241c_074	No0376	2013+370	86ghz	o	o	o	o	o	o	o	o
o	o	o	o	o	o	o	o	o	o	o	o
c241c_075	No0377	CYG_X3	86ghz	o	o	o	o	o	o	o	o
o	o	o	o	o	o	o	o	o	o	o	o
	No0378	2013+370	86ghz
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.
	No0379	J2134-0153	86ghz
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c241c_076	No0384	2013+370	86ghz	o	o	o	o	o	o	o	o
o	o	o	o	o	o	o	o	o	o	o	o
c241c_077	No0385	CYG_X3	86ghz	o	o	o	o	o	o	o	o
o	o	o	o	o	o	o	o	o	o	o	o
c241c_078	No0386	CYG_X3	86ghz	o	o	o	o	o	o	o	o
o	o	o	o	o	o	o	o	o	o	o	o
	No0387	3C454.3	86ghz	x	.	x	x	x	.	.	.
.
c241c_079	No0392	2013+370	86ghz	.	o	o	.	.	o	o	o
o	o	o	o	o	o	o	o	o	o	o	o
c241c_080	No0393	CYG_X3	86ghz	o	o	o	o	o	o	o	o
o	o	o	o	o	o	o	o	o	o	o	o
c241c_081	No0394	CYG_X3	86ghz	o	o	95	o	o	o	o	o
o	o	o	o	o	o	o	o	o	o	o	o
c241c_082	No0397	3C345	86ghz	.	.	.	.	.	.	.	o
o	o	o	o	o	o	o	o	o	o	o	o
c241c_083	No0398	0420-014	86ghz	o	o	o	o	.	o	.	.
.
c241c_084	No0399	0446+112	86ghz	o	o	o	o	.	o	o	.
.
c241c_085	No0403	3C345	86ghz	.	.	.	.	.	.	.	o
o	o	o	o	o	o	o	o	o	o	o	o
c241c_086	No0404	0446+112	86ghz	o	o	o	o	.	o	o	.
.
c241c_087	No0408	3C345	86ghz	.	.	.	.	.	.	.	o
o	o	o	o	o	o	o	o	o	o	o	o
c241c_088	No0409	0446+112	86ghz	o	o	o	o	.	o	o	.
.
c241c_089	No0413	3C345	86ghz	.	.	.	.	.	.	.	o
o	o	o	o	o	o	o	o	o	o	o	o
c241c_090	No0414	3C120	86ghz	o	o	o	o	.	o	o	.
.
c241c_091	No0418	3C345	86ghz	.	.	.	.	.	.	.	o
o	o	o	o	o	o	o	o	o	o	o	o
c241c_092	No0419	0446+112	86ghz	o	o	o	o	.	o	o	.
.
c241c_093	No0423	3C345	86ghz	o
o	o	o	o	o	o	o	o	o	o	o	o
c241c_094	No0424	0446+112	86ghz	o	o	o	o	.	o	o	.
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