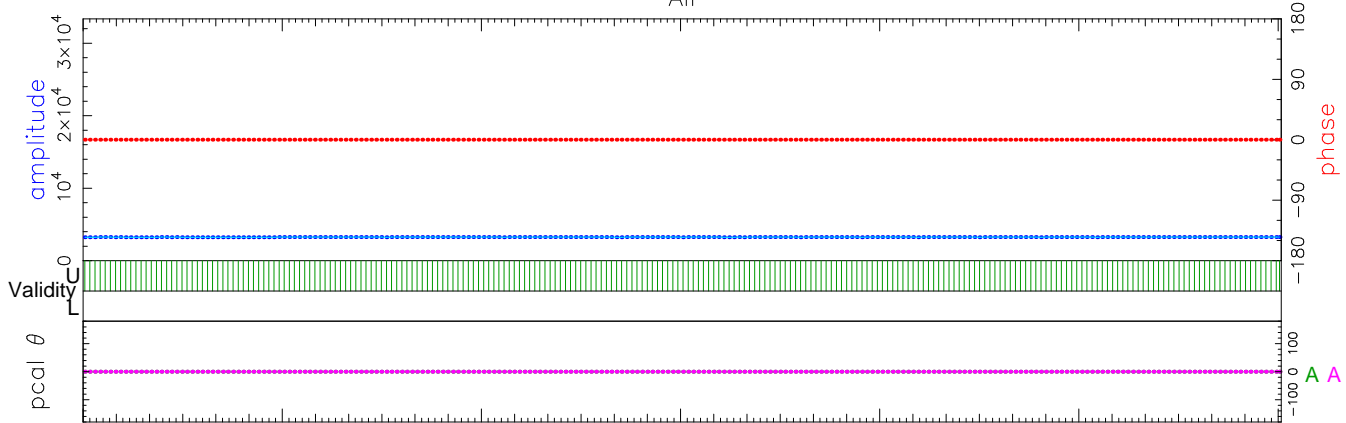


Fringe quality 5
SNR 88354.4
Int time 359.927
Amp 11124.183
Phase 0.2
PFD 0.0e+00
Delays (us)
SBD 0.000000
MBD -0.000006
Fringe rate (Hz)
0.000000
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512
Exp. c211d
Exper # 16383
Yr:day 2021:116
Start 234500.00
Stop 235059.94
FRT 234800.00
Corr/FF/build
2021:228:032143
2021:228:051857
2021:057:122453
RA & Dec (J2000)
09h45m34.287498s
+34°30'42.760780"

Amp. and Phase vs. time for each freq., 235 segs, 3 APs / seg (1.54 sec / seg.), time ticks 2 sec
All



86227.00
0.2
3259.0
1537.0
U/L 703/0
A 0
A 0
A:A 0:0
A:A 0:0
A 1000
A 1000
A W03UY
A W03UY

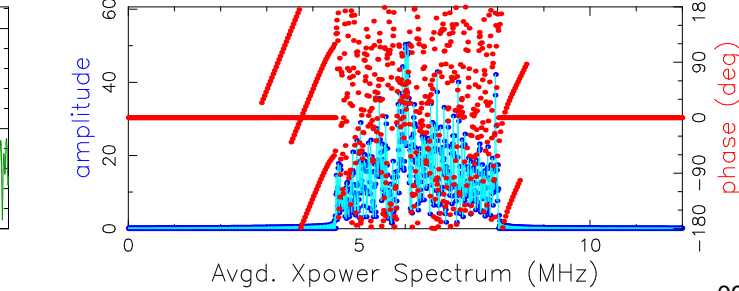
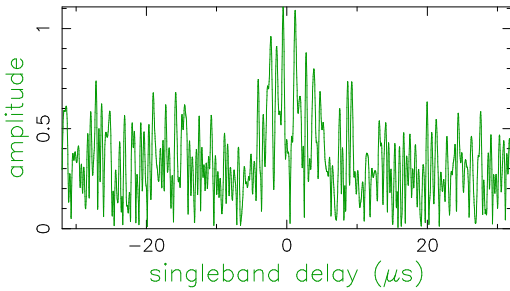
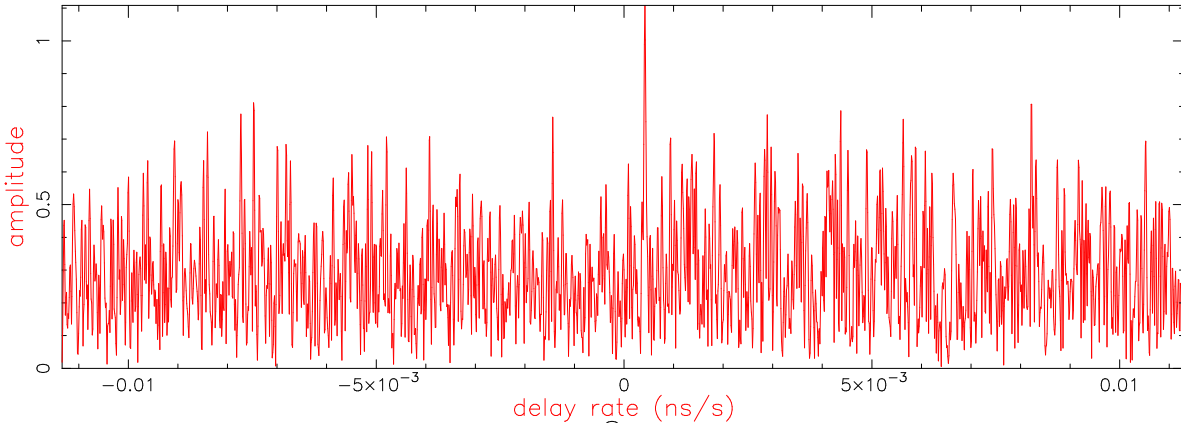
Freq (MHz)
Phase
Ampl.
Sbd box
APs used
PC freqs
PC freqs
PC phase
Manl PC
PC amp
Chan ids
Chan ids

Group delay (usec)(sbd)	-5.56670184513E-06	Apriori delay (usec)	0.00000000000E+00	Resid mbdelay (usec)	-5.56670E-06	+/-	5.2E-07
Sband delay (usec)	0.00000000000E+00	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	0.00000E+00	+/-	5.2E-07
Phase delay (usec)	6.01002172739E-09	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	6.01002E-09	+/-	4.2E-11
Delay rate (us/s)	0.00000000000E+00	Apriori rate (us/s)	0.00000000000E+00	Resid rate (us/s)	0.00000E+00	+/-	2.0E-13
Total phase (deg)	0.2	Apriori accel (us/s/s)	0.00000000000E+00	Resid phase (deg)	0.2	+/-	0.0

ph/seg (deg)	0.0	Theor.	0.0	Amplitude	11124.183 +/- 0.126	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5
amp/seg (%)	70.7	0.0	0.0	Search (2048X8)	11124.183	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us) -1.000 1.000
ph/frq (deg)	0.0	0.0	0.0	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled
amp/frq (%)	70.7	0.0	0.0	Inc. seg. avg.	3259.038	Sample rate(MISamp/s): 24	dr window (ns/s) -0.011 0.011
				Inc. frq. avg.	11124.183	Data rate(Mb/s): 48	ion window (TEC) 0.00 0.00

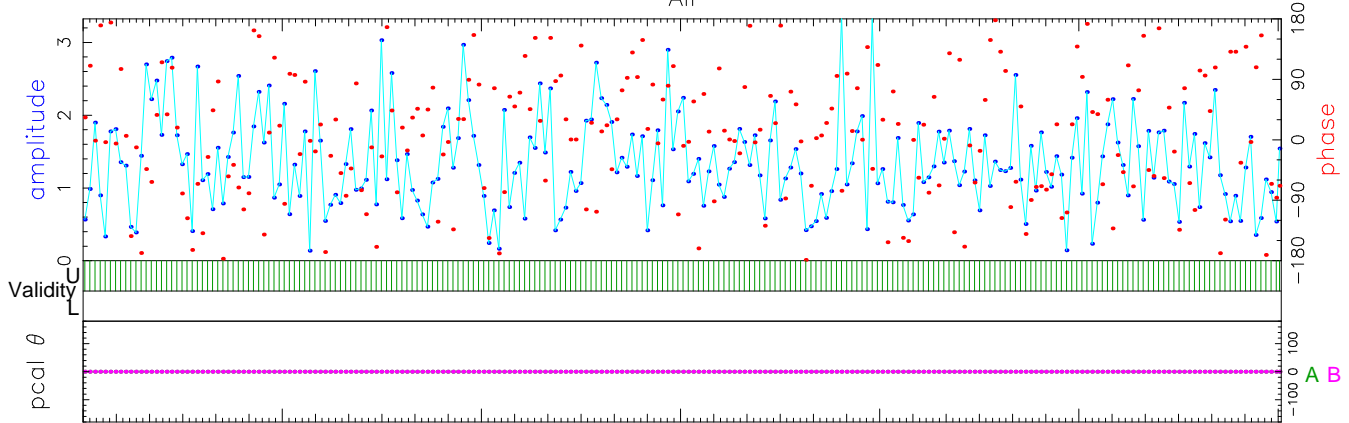
A: az 3.2 el 32.5 pa -176.4 u,v (fr/asec) 0.000 0.000 simultaneous interpolator
Control file: cf_1234_gmva_line Input file: /Exps/c211d/v1/LINES1/1234/No0008/AA..1T5GQI Output file: /Exps/c211d/v1/LINES1/1234/No0008/AA.W.4.1T5GQI

Fringe quality 8



SNR 8.8
Int time 359.913
Amp 1.108
Phase 297.3
PFD 2.5e-11
Delays (us)
SBD -0.526436
MBD 0.000006
Fringe rate (Hz)
0.036310
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512
Exp. c211d
Exper # 16383
Yr:day 2021:116
Start 234500.00
Stop 235059.94
FRT 234800.00
Corr/FF/build
2021:228:032143
2021:228:051856
2021:057:122453
RA & Dec (J2000)
09h45m34.287498s
+34°30'42.760780"

Amp. and Phase vs. time for each freq., 235 segs, 3 APs / seg (1.54 sec / seg.), time ticks 2 sec
All



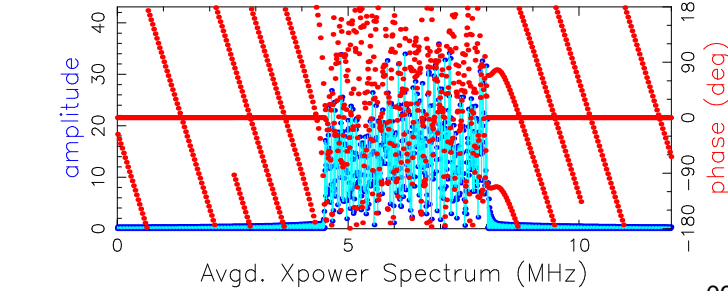
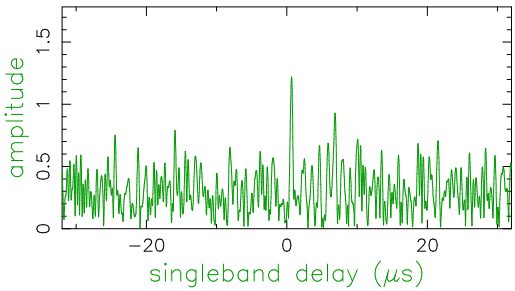
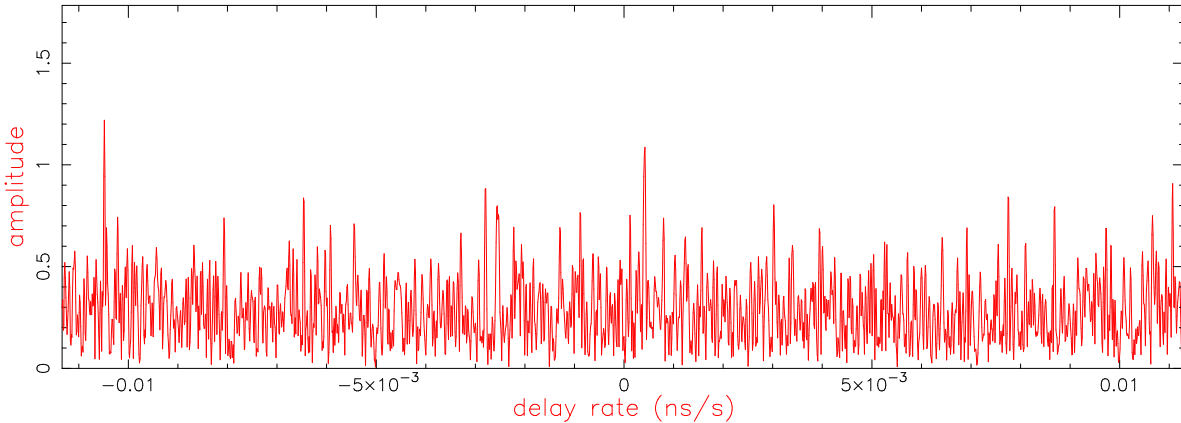
86227.00
9.3
0.3
1511.7
U/L 703/0
A 0
B 0
A:B 0:0
A:B 0:0
A 1000
B 1000
A W03UX
B W03UL

Freq (MHz)
Phase
Ampl.
Sbd box
APs used
PC freqs
PC freqs
PC phase
Manl PC
PC amp
Chan ids
Chan ids

Group delay (usec)(sbd)	-3.23002833571E+03	Apriori delay (usec)	-3.22950190541E+03	Resid mbdelay (usec)	5.73046E-06	+/-	5.2E-03
Sband delay (usec)	-3.23002834141E+03	Apriori clock (usec)	-2.0855291E+03	Resid sbdelay (usec)	-5.26436E-01	+/-	5.2E-03
Phase delay (usec)	-3.22950190511E+03	Apriori clockrate (us/s)	-1.2300000E-06	Resid phdelay (usec)	2.99852E-07	+/-	4.2E-07
Delay rate (us/s)	8.23787083951E-01	Apriori rate (us/s)	8.23786662428E-01	Resid rate (us/s)	4.21524E-07	+/-	2.0E-09
Total phase (deg)	249.8	Apriori accel (us/s/s)	-6.79233516473E-05	Resid phase (deg)	297.3	+/-	13.0

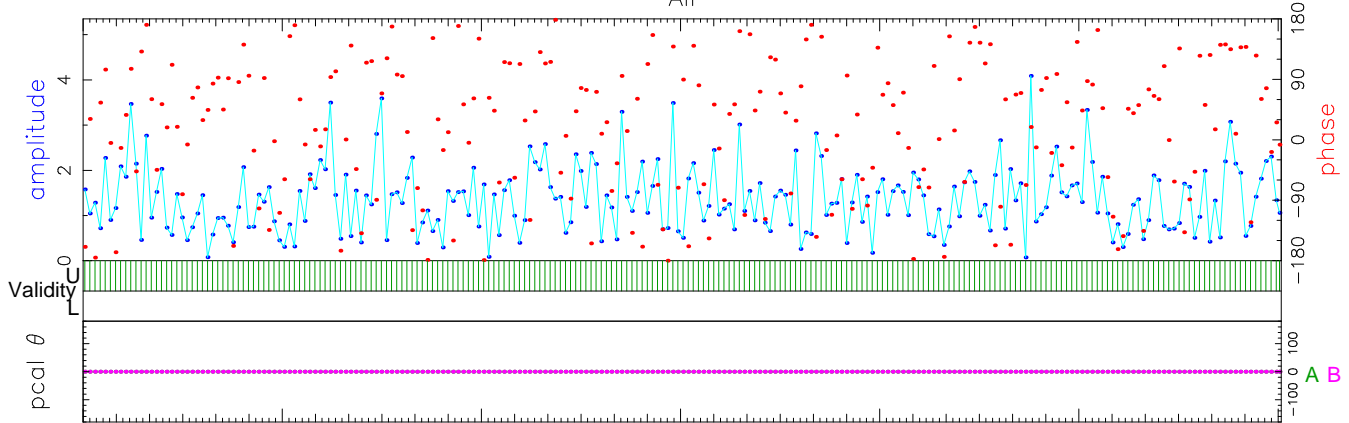
ph/seg (deg)	RMS 91.4	Theor. 99.8	Amplitude Search (2048X8)	1.108 +/- 0.126	1.102	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5
amp/seg (%)	62.0	174.2	Interp.	0.000	0.000E+00, 0.000E+00 (us/s)	SampCntNorm: enabled	sb window (us) -1.000 1.000
ph/frq (deg)	0.0	6.5	Inc. seg. avg.	0.538	Bits/sample: 2x2	Sample rate(MISamp/s): 24	mb window (us) -0.000 0.000
amp/frq (%)	70.7	11.4	Inc. frq. avg.	1.101	Data rate(Mb/s): 48	nlags: 1536 t_cohere infinite	dr window (ns/s) -0.011 0.011
A: az 3.2 el 32.5 pa -176.4		B: az 281.3 el 37.1 pa 49.2		u,v (fr/asec) -5814.445 -12090.274		ion window (TEC) 0.00 0.00	

Fringe quality 8



SNR 9.7
Int time 359.913
Amp 1.784
Phase -166.3
PFD 6.5e-15
Delays (us)
SBD 0.674452
MBD -0.000007
Fringe rate (Hz)
-0.902643
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512
Exp. c211d
Exper # 16383
Yr:day 2021:116
Start 234500.00
Stop 235059.94
FRT 234800.00
Corr/FF/build
2021:228:032143
2021:228:051858
2021:057:122453
RA & Dec (J2000)
09h45m34.287498s
+34°30'42.760780"

Amp. and Phase vs. time for each freq., 235 segs, 3 APs / seg (1.54 sec / seg.), time ticks 2 sec
All



86227.00
77.9
0.5
1569.4
U/L 703/0
A 0
B 0
A:B 0:0
A:B 0:0
A 1000
B 1000
A W03UX
B W03UR

Freq (MHz)
Phase
Ampl.
Sbd box
APs used
PC freqs
PC freqs
PC phase
Manl PC
PC amp
Chan ids
Chan ids

Group delay (usec)(sbd)	-3.22882744803E+03	Apriori delay (usec)	-3.22950190541E+03	Resid mbdelay (usec)	-6.53985E-06	+/- 4.7E-03
Sband delay (usec)	-3.22882745341E+03	Apriori clock (usec)	-2.0855291E+03	Resid sbdelay (usec)	6.74452E-01	+/- 4.7E-03
Phase delay (usec)	-3.22950190289E+03	Apriori clockrate (us/s)	-1.2300000E-06	Resid phdelay (usec)	2.51360E-06	+/- 3.8E-07
Delay rate (us/s)	8.23776183640E-01	Apriori rate (us/s)	8.23786662428E-01	Resid rate (us/s)	-1.04788E-05	+/- 1.8E-09
Total phase (deg)	-213.7	Apriori accel (us/s/s)	-6.79233516473E-05	Resid phase (deg)	-166.3	+/- 11.8

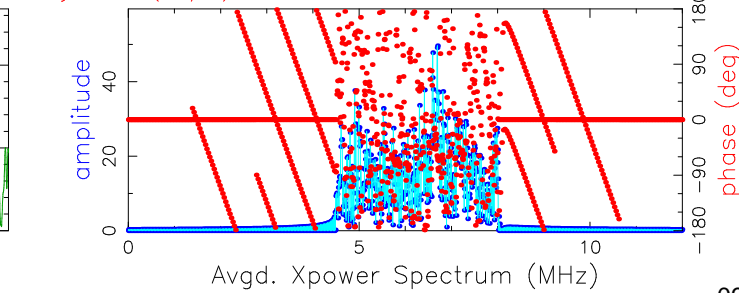
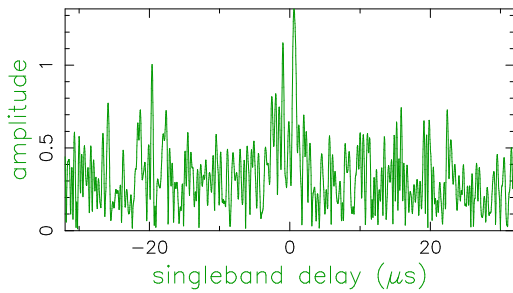
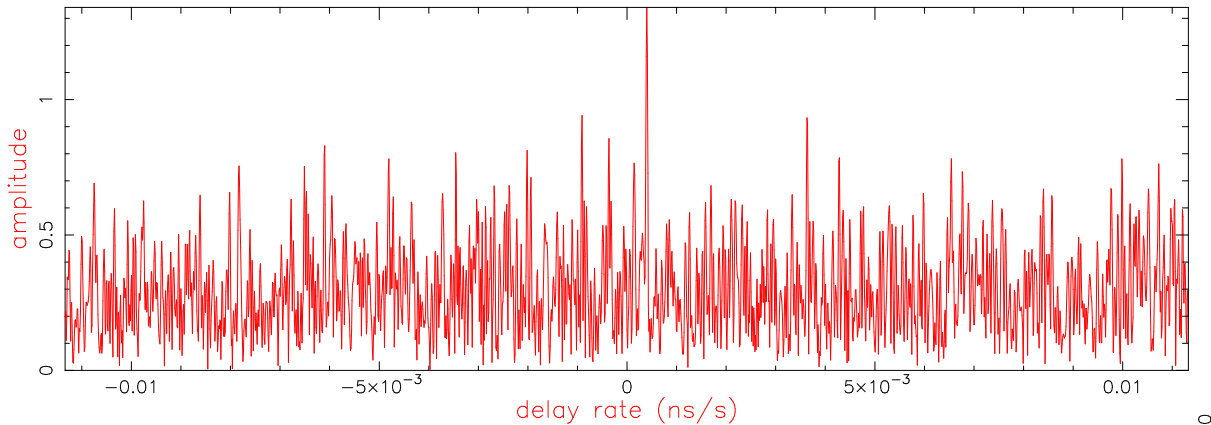
ph/seg (deg)	RMS 90.2	Theor. 90.7	Amplitude Search (2048X8)	1.784 +/- 0.184	1.142	1.142	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	
amp/seg (%)	61.8	158.2	Interp.	0.000	0.000	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000	
ph/frq (deg)	0.0	5.9	Inc. seg. avg.	0.888	0.888	Bits/sample: 2x2	SampCntNorm: enabled	mb window (us)	-0.000 0.000
amp/frq (%)	70.7	10.3	Inc. frq. avg.	1.773	1.773	Sample rate(MISamp/s): 24		dr window (ns/s)	-0.011 0.011
						Data rate(Mb/s): 48	nlags: 1536 t_cohere infinite	ion window (TEC)	0.00 0.00

A: az 3.2 el 32.5 pa -176.4 B: az 281.3 el 37.1 pa 49.2 u,v (fr/asec) -5814.445 -12090.274 simultaneous interpolator
Control file: cf_1234_gmva_line Input file: /Exps/c211d/v1/LINES1/1234/No0008/AB..1T5GQI Output file: /Exps/c211d/v1/LINES1/1234/No0008/AB.W.7.1T5GQI

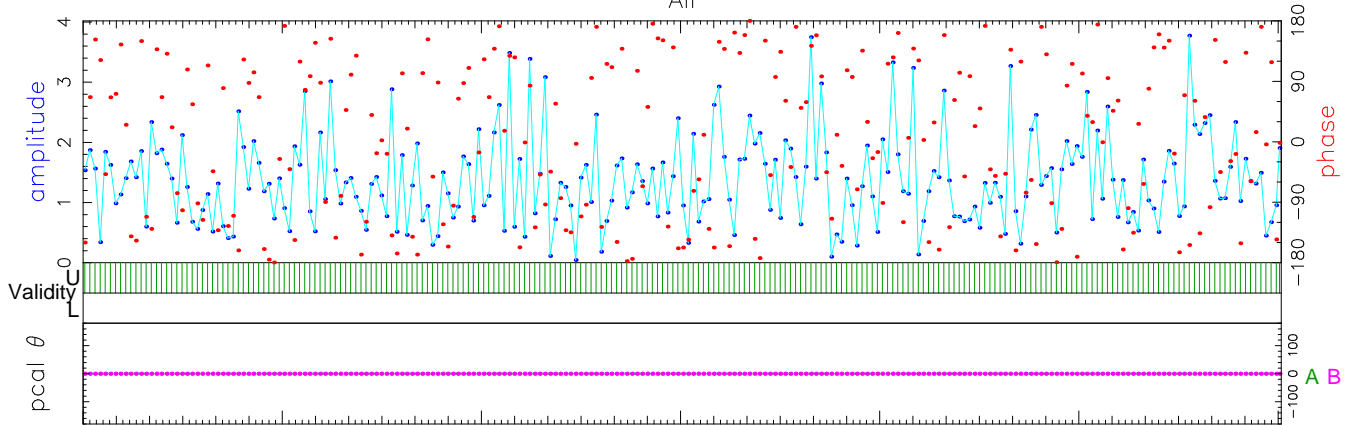
Fringe quality 7

SNR 10.6
Int time 359.913
Amp 1.340
Phase -31.2
PFD 4.2e-19
Delays (us)
SBD 0.592140
MBD 0.000006
Fringe rate (Hz)
0.034112
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

Exp. c211d
Exper # 16383
Yr:day 2021:116
Start 234500.00
Stop 235059.94
FRT 234800.00
Corr/FF/build
2021:228:032143
2021:228:051859
2021:057:122453
RA & Dec (J2000)
09h45m34.287498s
+34°30'42.760780"



Amp. and Phase vs. time for each freq., 235 segs, 3 APs / seg (1.54 sec / seg.), time ticks 2 sec
All



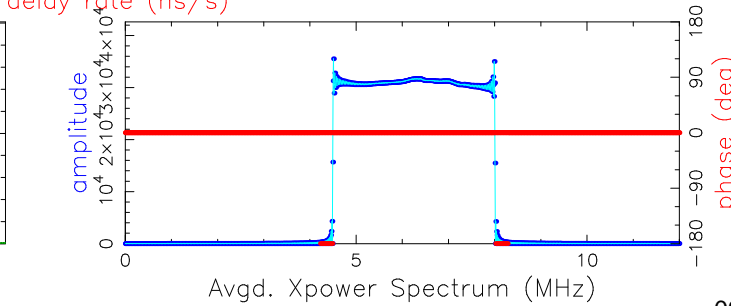
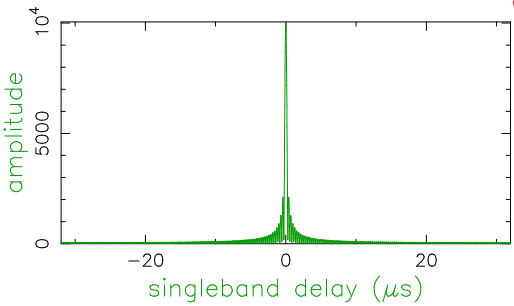
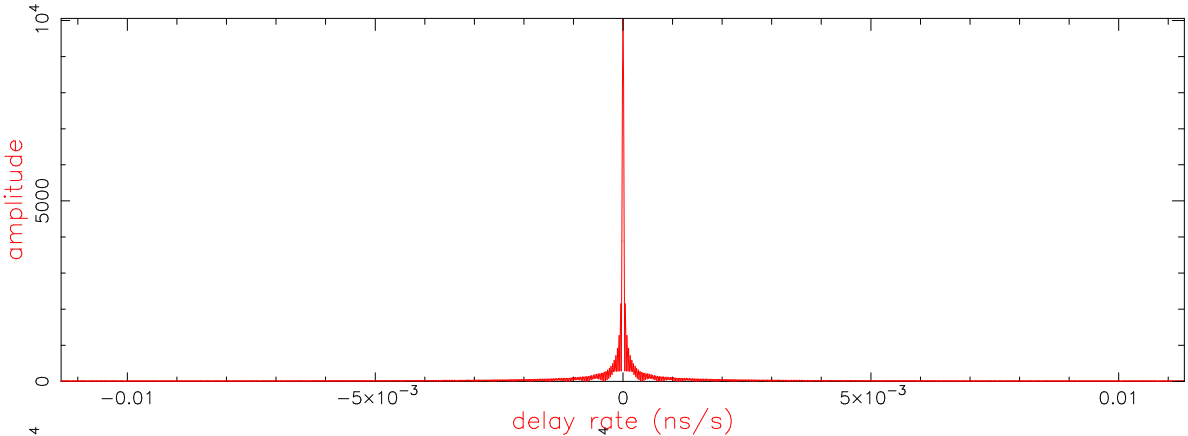
86227.00
154.4
0.4
1565.4
U/L 703/0
A 0
B 0
A:B 0:0
A:B 0:0
A 1000
B 1000
A W03UY
B W03UL

Freq (MHz)
Phase
Ampl.
Sbd box
APs used
PC freqs
PC freqs
PC phase
Manl PC
PC amp
Chan ids
Chan ids

Group delay (usec)(sbd)	-3.22890976494E+03	Apriori delay (usec)	-3.22950190541E+03	Resid mbdelay (usec)	5.75476E-06	+/-	4.3E-03
Sband delay (usec)	-3.22890976541E+03	Apriori clock (usec)	-2.0855291E+03	Resid sbdelay (usec)	5.92140E-01	+/-	4.3E-03
Phase delay (usec)	-3.22950190043E+03	Apriori clockrate (us/s)	-1.2300000E-06	Resid phdelay (usec)	4.97945E-06	+/-	3.5E-07
Delay rate (us/s)	8.23787058431E-01	Apriori rate (us/s)	8.23786662428E-01	Resid rate (us/s)	3.96003E-07	+/-	1.7E-09
Total phase (deg)	-78.7	Apriori accel (us/s/s)	-6.79233516473E-05	Resid phase (deg)	-31.2	+/-	10.8

ph/seg (deg)	RMS 91.4	Theor. 82.6	Amplitude Search (2048X8)	1.340 +/- 0.126	1.325	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5
amp/seg (%)	55.6	144.1	Interp.	0.000	0.000E+00, 0.000E+00 (us/s)	SampCntNorm: enabled	sb window (us) -1.000 1.000
ph/frq (deg)	0.0	5.4	Inc. seg. avg.	0.678	Bits/sample: 2x2	Sample rate(MISamp/s): 24	mb window (us) -0.000 0.000
amp/frq (%)	70.7	9.4	Inc. frq. avg.	1.333	Data rate(Mb/s): 48	nlags: 1536 t_cohere infinite	dr window (ns/s) -0.011 0.011
				ion window (TEC) 0.00 0.00			

A: az 3.2 el 32.5 pa -176.4 B: az 281.3 el 37.1 pa 49.2 u,v (fr/asec) -5814.445 -12090.274 simultaneous interpolator
Control file: cf_1234_gmva_line Input file: /Exps/c211d/v1/LINES1/1234/No0008/AB..1T5GQI Output file: /Exps/c211d/v1/LINES1/1234/No0008/AB.W.8.1T5GQI

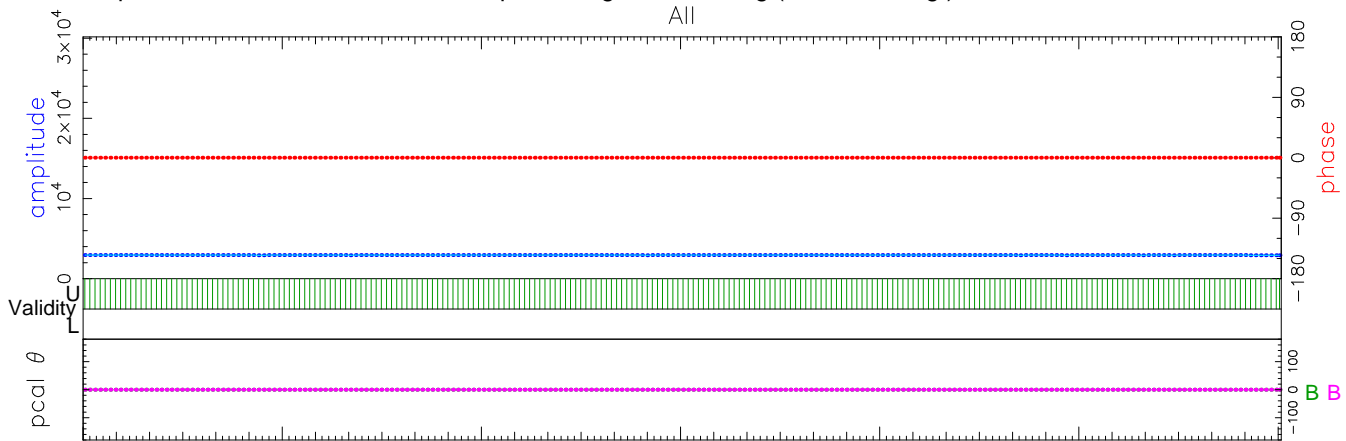


Fringe quality 5

SNR 79890.6
Int time 359.913
Amp 10058.743
Phase -0.1
PFD 0.0e+00
Delays (us)
SBD 0.000000
MBD -0.000007
Fringe rate (Hz)
0.000000
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

Exp. c211d
Exper # 16383
Yr:day 2021:116
Start 234500.00
Stop 235059.94
FRT 234800.00
Corr/FF/build
2021:228:032143
2021:228:051856
2021:057:122453
RA & Dec (J2000)
09h45m34.287498s
+34°30'42.760780"

Amp. and Phase vs. time for each freq., 235 segs, 3 APs / seg (1.54 sec / seg.), time ticks 2 sec



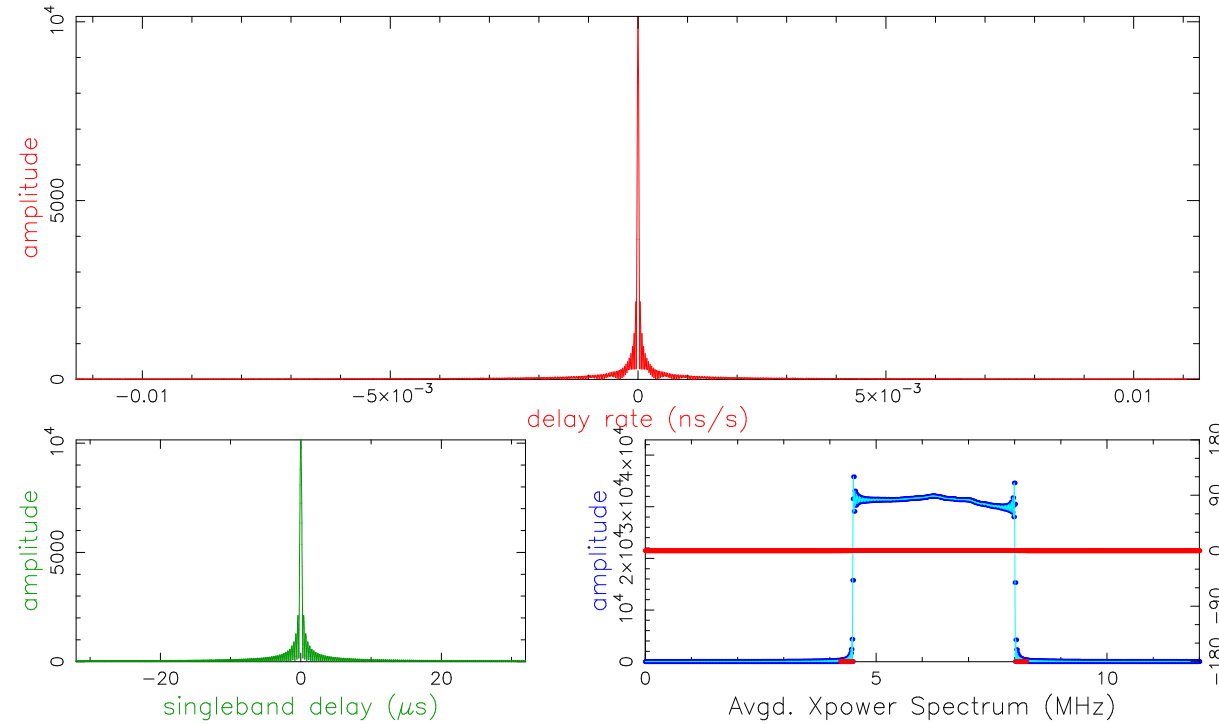
86227.00
0.2
2946.9
1537.0
U/L 703/0
B 0
B 0
B:B 0:0
B:B 0:0
B 1000
B 1000
B W03UL
B W03UL

Freq (MHz)
Phase
Ampl.
Sbd box
APs used
PC freqs
PC freqs
PC phase
Manl PC
PC amp

Chan ids
Chan ids

Group delay (usec)(sbd)	4.77808575040E-06	Apriori delay (usec)	0.00000000000E+00	Resid mbdelay (usec)	-6.81921E-06	+/- 5.8E-07
Sband delay (usec)	0.00000000000E+00	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	0.00000E+00	+/- 5.8E-07
Phase delay (usec)	7.36227661605E-09	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	7.36228E-09	+/- 4.6E-11
Delay rate (us/s)	0.00000000000E+00	Apriori rate (us/s)	0.00000000000E+00	Resid rate (us/s)	0.00000E+00	+/- 2.2E-13
Total phase (deg)	-0.1	Apriori accel (us/s/s)	0.00000000000E+00	Resid phase (deg)	-0.1	+/- 0.0

ph/seg (deg)	0.0	Theor.	0.0	Amplitude	10058.743 +/- 0.126	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5
amp/seg (%)	70.7		0.0	Search (2048X8)	10058.743	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us) -1.000 1.000
ph/frq (deg)	0.0		0.0	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled
amp/frq (%)	70.7		0.0	Inc. seg. avg.	2946.897	Sample rate(MISamp/s): 24	dr window (ns/s) -0.011 0.011
				Inc. frq. avg.	10058.742	Data rate(Mb/s): 48	ion window (TEC) 0.00 0.00

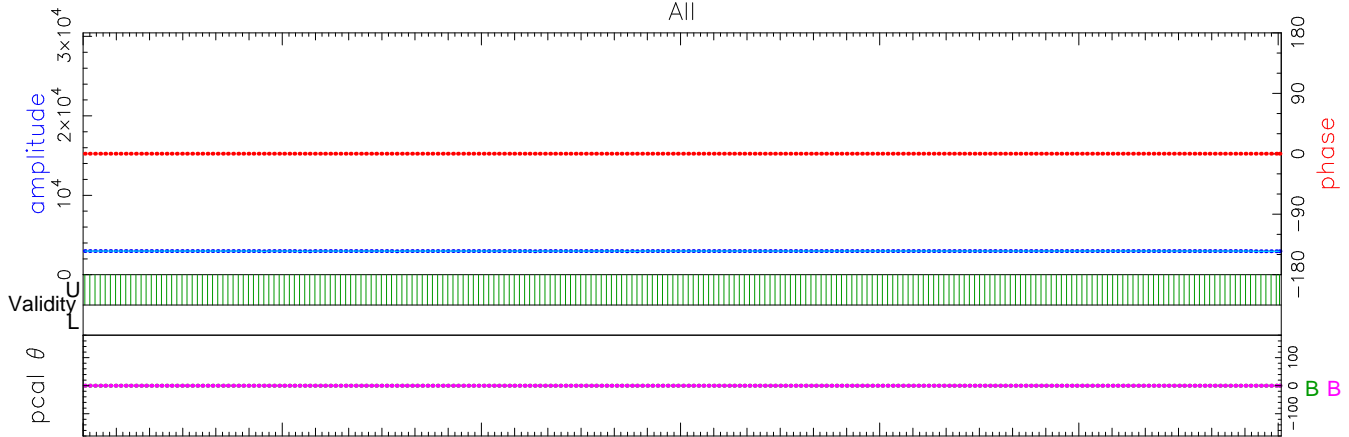


Fringe quality 5

SNR 80627.9
Int time 359.913
Amp 10151.569
Phase -0.1
PFD 0.0e+00
Delays (us)
SBD 0.000000
MBD -0.000007
Fringe rate (Hz)
0.000000
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

Exp. c211d
Exper # 16383
Yr:day 2021:116
Start 234500.00
Stop 235059.94
FRT 234800.00
Corr/FF/build
2021:228:032143
2021:228:051857
2021:057:122453
RA & Dec (J2000)
09h45m34.287498s
+34°30'42.760780"

Amp. and Phase vs. time for each freq., 235 segs, 3 APs / seg (1.54 sec / seg.), time ticks 2 sec



86227.00
0.2
2974.1
1537.0
U/L 703/0
B 0
B 0
B:B 0:0
B:B 0:0
B 1000
B 1000
B W03UR
B W03UR

Freq (MHz)
Phase
Ampl.
Sbd box
APs used
PC freqs
PC freqs
PC phase
Manl PC
PC amp
Chan ids
Chan ids

Group delay (usec)(sbd)	4.70850197734E-06	Apriori delay (usec)	0.0000000000E+00	Resid mbdelay (usec)	-6.88879E-06	+/- 5.7E-07
Sband delay (usec)	0.0000000000E+00	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	0.00000E+00	+/- 5.7E-07
Phase delay (usec)	7.43740188764E-09	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	7.43740E-09	+/- 4.6E-11
Delay rate (us/s)	0.0000000000E+00	Apriori rate (us/s)	0.0000000000E+00	Resid rate (us/s)	0.00000E+00	+/- 2.2E-13
Total phase (deg)	-0.1	Apriori accel (us/s/s)	0.0000000000E+00	Resid phase (deg)	-0.1	+/- 0.0

ph/seg (deg)	0.0	Theor.	0.0	Amplitude	10151.568 +/- 0.126	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5
amp/seg (%)	70.7		0.0	Search (2048X8)	10151.569	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us) -1.000 1.000
ph/frq (deg)	0.0		0.0	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled
amp/frq (%)	70.7		0.0	Inc. seg. avg.	2974.093	Sample rate(MISamp/s): 24	dr window (ns/s) -0.011 0.011
				Inc. frq. avg.	10151.569	Data rate(Mb/s): 48	ion window (TEC) 0.00 0.00

B: az 281.3 el 37.1 pa 49.2 B: az 281.3 el 37.1 pa 49.2 u,v (fr/asec) 0.000 0.000 simultaneous interpolator
Control file: cf_1234_gmva_line Input file: /Exps/c211d/v1/LINES1/1234/No0008/BB..1T5GQI Output file: /Exps/c211d/v1/LINES1/1234/No0008/BB.W.5.1T5GQI