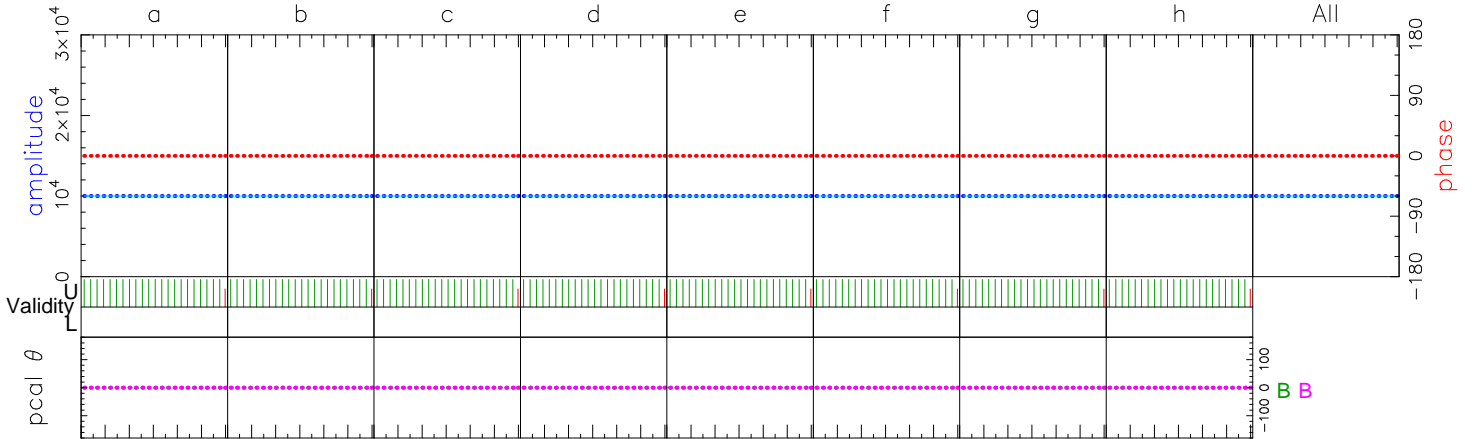


Fringe quality 9

SNR 518538.3
Int time 359.556
Amp 10000.000
Phase 0.0
PFD 0.0e+00
Delays (us)
SBD 0.000000
MBD 0.000000
Fringe rate (Hz) 0.000000
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.512

Exp. c201d
Yr:day 16383
Start 2020:118
Stop 2020:118
FRT 165300.00
Corr/FF/build
2020:204:103652
2020:204:122439
2020:014:135814
RA & Dec (J2000) 03h19m48.160095s +41°30'42.104042"

Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec

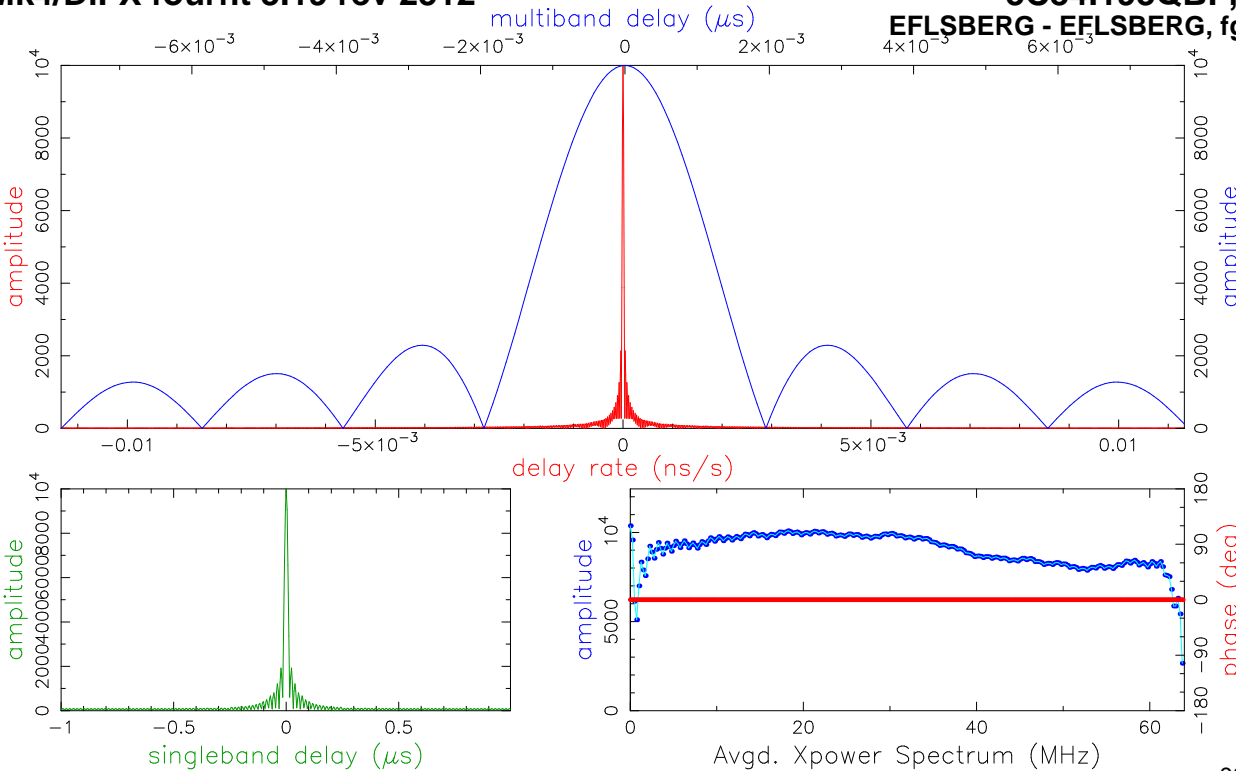


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0		
B	1000	1000	1000	1000	1000	1000	1000	1000		
B:B	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
B	1000	1000	1000	1000	1000	1000	1000	1000		
B	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		
B	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		

Group delay (usec)(sbd) 0.0000000000E+00 Apriori delay (usec) 0.0000000000E+00 Resid mbdelay (usec) 0.00000E+00 +/- 2.1E-09
 Sband delay (usec) 0.0000000000E+00 Apriori clock (usec) 0.0000000E+00 Resid sbdelay (usec) 0.00000E+00 +/- 1.7E-08
 Phase delay (usec) 7.97212824877E-20 Apriori clockrate (us/s) 0.0000000E+00 Resid phdelay (usec) 7.97213E-20 +/- 7.1E-12
 Delay rate (us/s) 0.0000000000E+00 Apriori rate (us/s) 0.0000000000E+00 Resid rate (us/s) 0.00000E+00 +/- 3.4E-14
 Total phase (deg) 0.0 Apriori accel (us/s/s) 0.0000000000E+00 Resid phase (deg) 0.0 +/- 0.0

RMS Theor. Amplitude 10000.000 +/- 0.019 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 0.0 0.0 Search (2048X32) 10000.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 amp/seg (%) 0.0 0.0 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 ph/frq (deg) 0.0 0.0 Inc. seg. avg. 10000.000 Sample rate(MISamp/s): 128 dr window (ns/s) -0.011 0.011
 amp/frq (%) 0.0 0.0 Inc. frq. avg. 10000.000 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite ion window (TEC) 0.00 0.00

B: az 284.8 el 45.4 pa 55.3 B: az 284.8 el 45.4 pa 55.3 u,v (fr/asec) 0.000 0.000 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/BB..193QBF Output file: /Exps/c201d/v1/1234/No0057/BB.W.1.193QBF

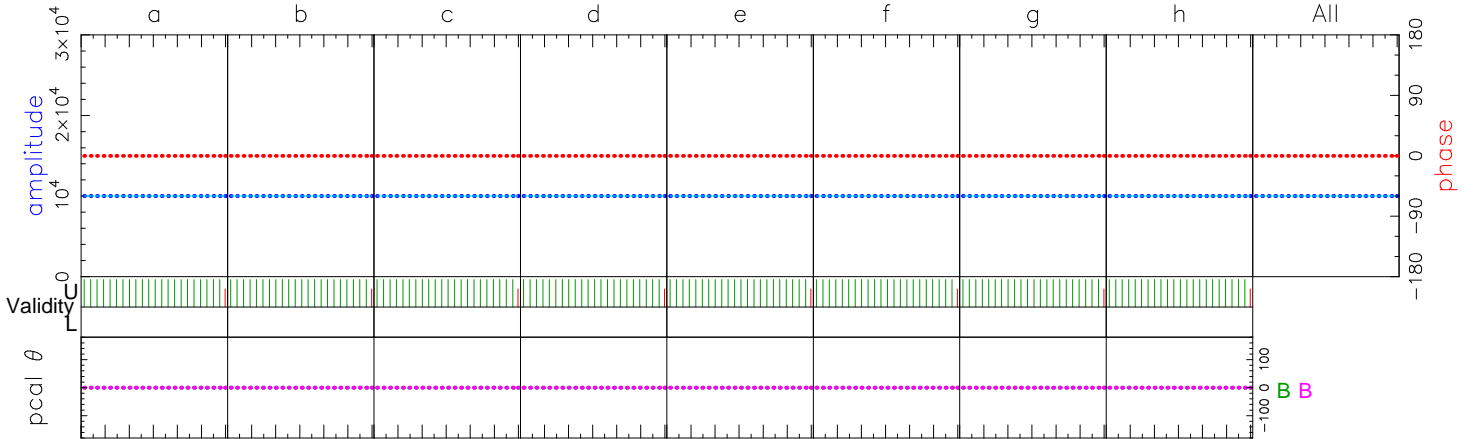


Fringe quality 9

SNR 518538.3
Int time 359.556
Amp 10000.000
Phase 0.0
PFD 0.0e+00
Delays (us)
SBD 0.000000
MBD 0.000000
Fringe rate (Hz) 0.000000
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.512

Exp. c201d
Yr:day 16383
Start 2020:118
Stop 2020:118
FRT 165000.00
2020:204:103652
2020:204:122443
2020:014:135814
RA & Dec (J2000) 03h19m48.160095s +41°30'42.104042"

Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec

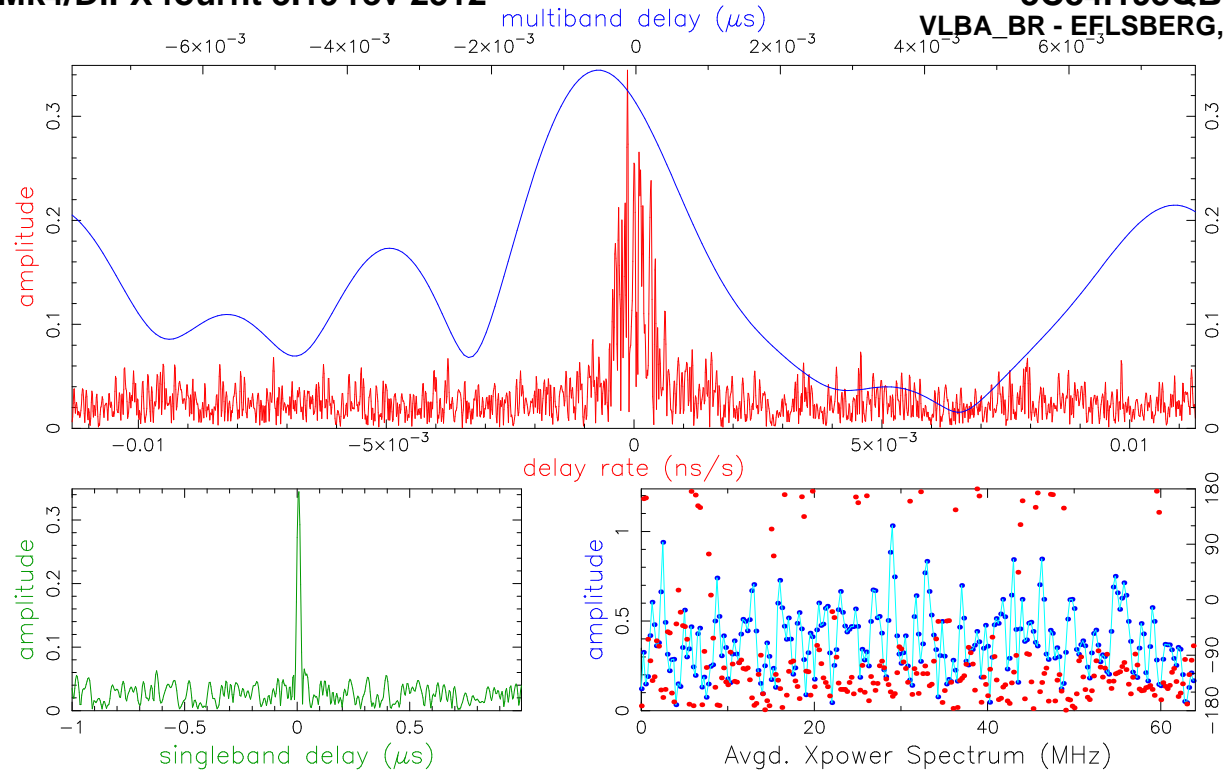


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0		
B	1000	1000	1000	1000	1000	1000	1000	1000		
B:B	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
B	1000	1000	1000	1000	1000	1000	1000	1000		
B	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		

Group delay (usec)(sbd) 0.0000000000E+00 Apriori delay (usec) 0.0000000000E+00 Resid mbdelay (usec) 0.00000E+00 +/- 2.1E-09
 Sband delay (usec) 0.0000000000E+00 Apriori clock (usec) 0.0000000E+00 Resid sbdelay (usec) 0.00000E+00 +/- 1.7E-08
 Phase delay (usec) 1.47349276423E-20 Apriori clockrate (us/s) 0.0000000E+00 Resid phdelay (usec) 1.47349E-20 +/- 7.1E-12
 Delay rate (us/s) 0.0000000000E+00 Apriori rate (us/s) 0.0000000000E+00 Resid rate (us/s) 0.00000E+00 +/- 3.4E-14
 Total phase (deg) 0.0 Apriori accel (us/s/s) 0.0000000000E+00 Resid phase (deg) 0.0 +/- 0.0

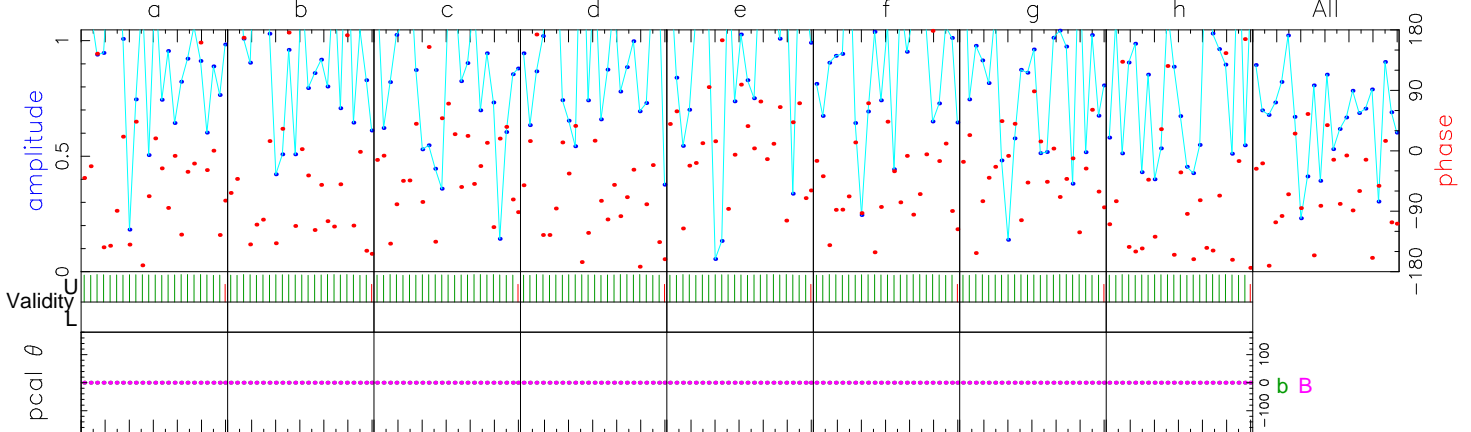
RMS Theor. Amplitude 10000.000 +/- 0.019 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 0.0 0.0 Search (2048X32) 10000.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 amp/seg (%) 0.0 0.0 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 ph/frq (deg) 0.0 0.0 Inc. seg. avg. 10000.000 Sample rate(MISamp/s): 128 dr window (ns/s) -0.011 0.011
 amp/frq (%) 0.0 0.0 Inc. frq. avg. 10000.000 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite ion window (TEC) 0.00 0.00

B: az 284.8 el 45.4 pa 55.3 B: az 284.8 el 45.4 pa 55.3 u,v (fr/asec) 0.000 0.000 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/BB..193QBF Output file: /Exps/c201d/v1/1234/No0057/BB.W.12.193QBF



Fringe quality 8
SNR 18.0
Int time 354.450
Amp 0.349
Phase -58.6
PFD 0.0e+00
Delays (us)
SBD 0.006324
MBD -0.000535
Fringe rate (Hz)
-0.011014
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512
Exp. c201d
Exper # 16383
Yr:day 2020:118
Start 165000.00
Stop 165559.94
FRT 165300.00
Corr/FF/build
2020:204:103652
2020:204:122444
2020:014:135814
RA & Dec (J2000)
03h19m48.160095s
+41°30'42.104042"

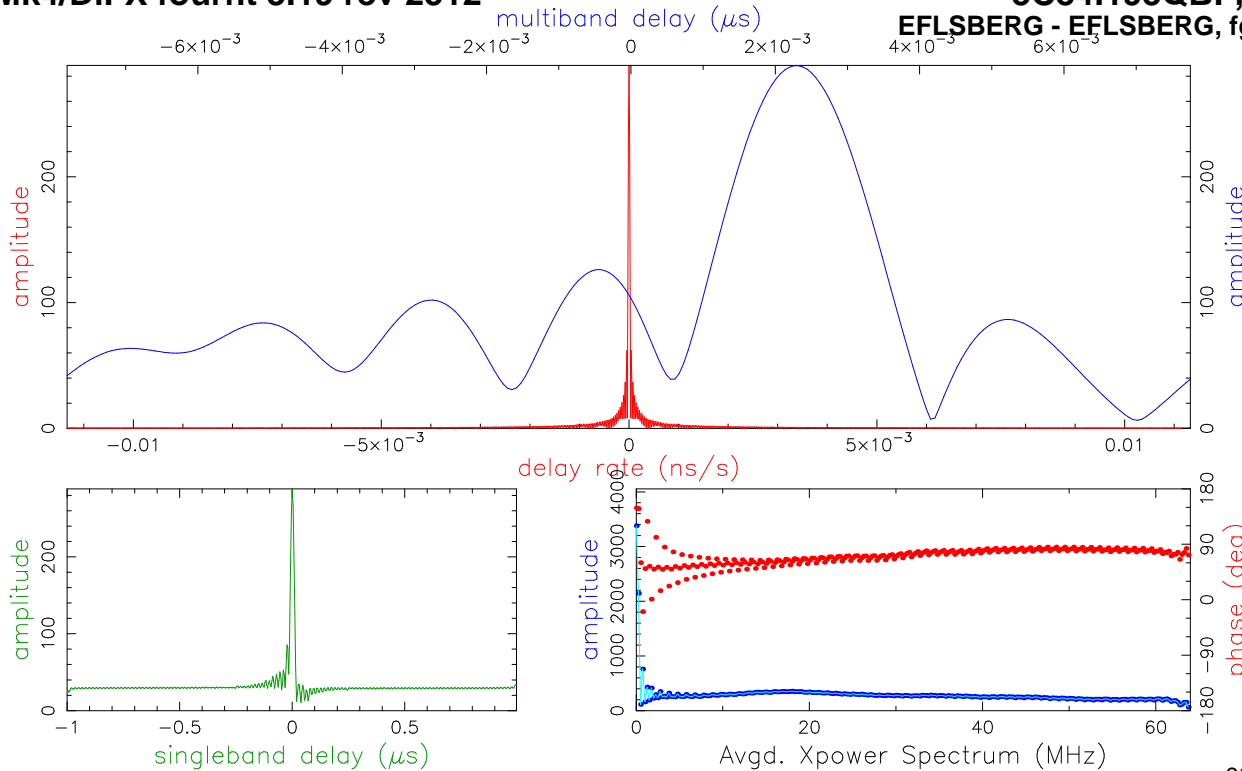
Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-62.5	-95.4	-27.9	-83.5	14.3	-58.1	-34.9	-130.6	Phase	-58.6
	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.4	Ampl.	0.4
	259.3	258.4	258.0	258.1	257.9	257.7	257.3	257.9	Sbd box	258.6
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	APs used	
b	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
b:B	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
b:B	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
b	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
B	1000	1000	1000	1000	1000	1000	1000	1000		
b	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	
									Tracks	
Group delay (usec)(sbd)	7.03443360560E+02		Apriori delay (usec)		7.03443895158E+02		Resid mbdelay (usec)		-5.34599E-04	+/- 6.0E-05
Sband delay (usec)	7.03450218658E+02		Apriori clock (usec)		-1.4439681E+01		Resid sbdelay (usec)		6.32350E-03	+/- 4.8E-04
Phase delay (usec)	7.03443893269E+02		Apriori clockrate (us/s)		1.5800000E-07		Resid phdelay (usec)		-1.88918E-06	+/- 2.1E-07
Delay rate (us/s)	1.35121977076E+00		Apriori rate (us/s)		1.35121989862E+00		Resid rate (us/s)		-1.27860E-07	+/- 9.9E-10
Total phase (deg)			Apriori accel (us/s/s)		-5.86097415492E-06		Resid phase (deg)		-58.6	+/- 6.4

	RMS	Theor.	Amplitude	0.349 +/- 0.019	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-1.000	1.000
ph/seg (deg)	61.9	15.3	Search (2048X32)	0.329	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		mb window (us)	-0.008	0.008
amp/seg (%)	108.3	26.7	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	dr window (ns/s)	-0.011	0.011
ph/frq (deg)	48.3	9.0	Inc. seg. avg.	0.652	Sample rate(MISamp/s): 128		ion window (TEC)	0.00	0.00
amp/frq (%)	32.4	15.7	Inc. frq. avg.	0.443	Data rate(Mb/s): 2048	nlags: 256 t_cohere infinite			

b: az 75.0 el 47.2 pa -59.5 B: az 284.8 el 45.4 pa 55.3 u,v (fr/asec) -10351.948 -518.946 simultaneous interpolator
Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/bB..193QBF Output file: /Exps/c201d/v1/1234/No0057/bB.W.18.193QBF

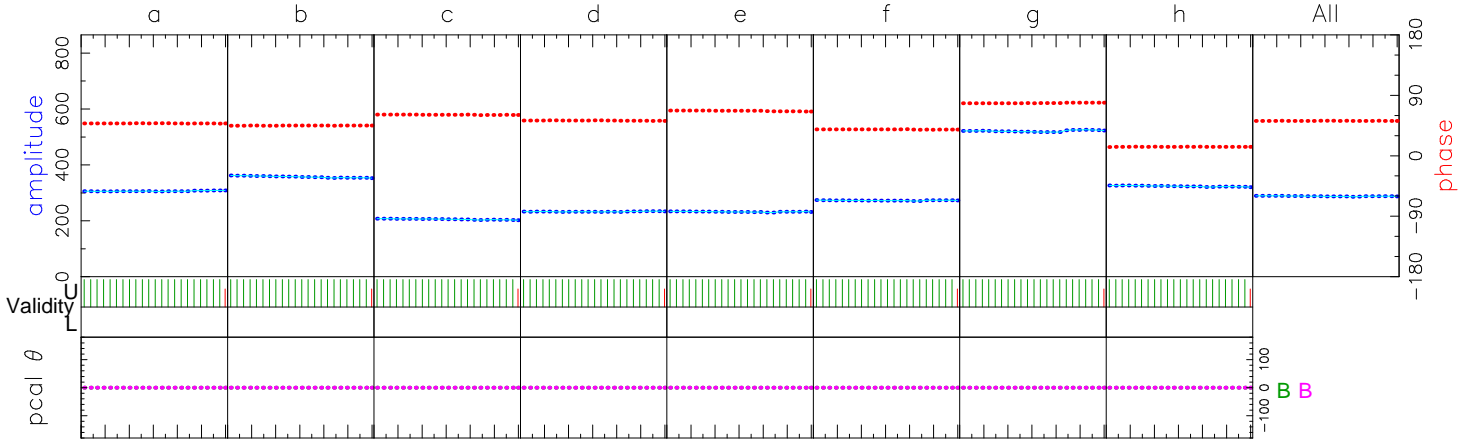


Fringe quality 7

SNR 14960.2
Int time 359.556
Amp 288.506
Phase 52.0
PFD 0.0e+00
Delays (us)
SBD 0.000308
MBD 0.002303
Fringe rate (Hz)
-0.000003
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

Exp. c201d
Exper # 16383
Yr:day 2020:118
Start 165000.00
Stop 165559.94
FRT 165300.00
Corr/FF/build
2020:204:103652
2020:204:122446
2020:014:135814
RA & Dec (J2000)
03h19m48.160095s
+41°30'42.104042"

Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec

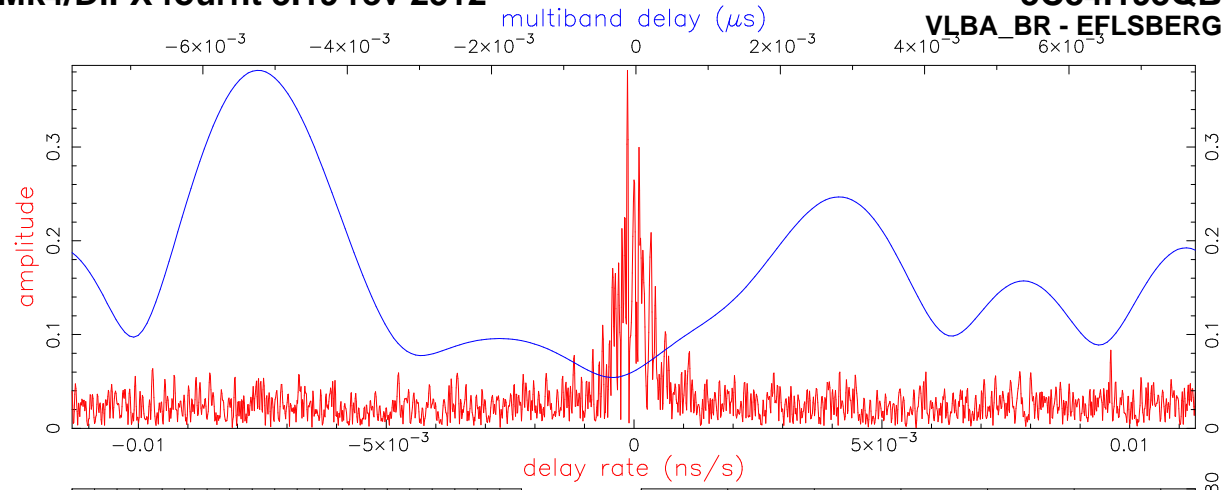


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0		
B	1000	1000	1000	1000	1000	1000	1000	1000		
B:B	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
B	1000	1000	1000	1000	1000	1000	1000	1000		
B	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		

Group delay (usec)(sbd)	2.30296875000E-03	Apriori delay (usec)	0.00000000000E+00	Resid mbdelay (usec)	2.30297E-03	+/-	7.3E-08
Sband delay (usec)	3.08000000000E-04	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	3.08000E-04	+/-	5.8E-07
Phase delay (usec)	1.67564079907E-06	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	1.67564E-06	+/-	2.5E-10
Delay rate (us/s)	-3.68449962184E-11	Apriori rate (us/s)	0.00000000000E+00	Resid rate (us/s)	-3.68450E-11	+/-	1.2E-12
Total phase (deg)		Apriori accel (us/s/s)	0.00000000000E+00	Resid phase (deg)	52.0	+/-	0.0

ph/seg (deg)	0.1	0.0	Search (2048X32)	285.433	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5				
amp/seg (%)	0.3	0.0	Interp.	0.000	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000	1.000		
ph/frq (deg)	21.3	0.0	Inc. seg. avg.	288.340	Bits/sample: 2x2	SampCntNorm: enabled	mb window (us)	-0.008	0.008	
amp/frq (%)	33.3	0.0	Inc. frq. avg.	306.610	Sample rate(MISamp/s): 128		dr window (ns/s)	-0.011	0.011	
					Data rate(Mb/s): 2048	nlags: 256	t_cohere infinite	ion window (TEC)	0.00	0.00

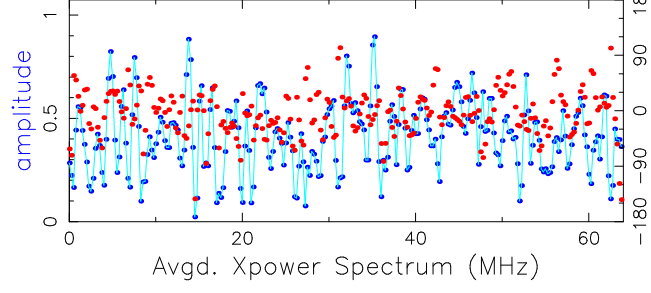
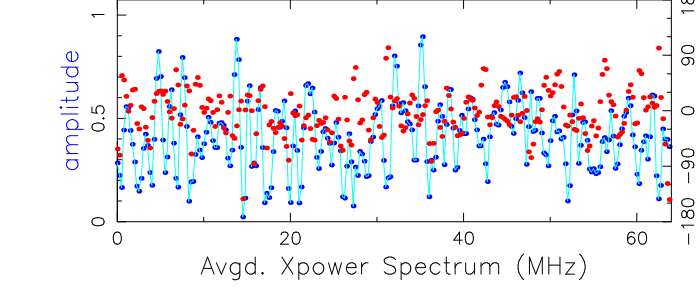
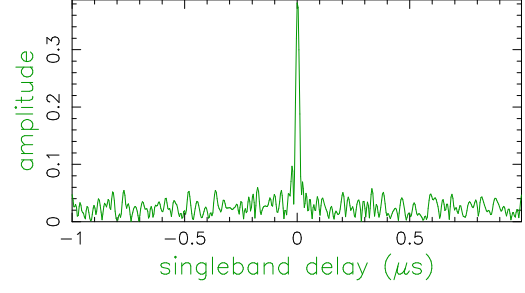
B: az 284.8 el 45.4 pa 55.3 B: az 284.8 el 45.4 pa 55.3 u,v (fr/asec) 0.000 0.000 simultaneous interpolator



Fringe quality 8

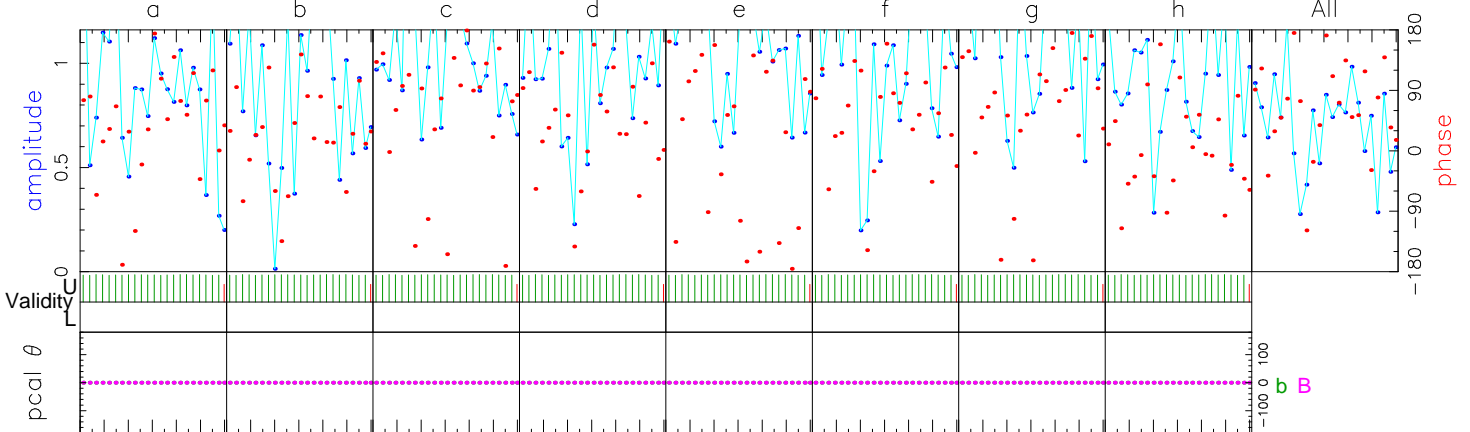
SNR 19.9
Int time 354.450
Amp 0.387
Phase 73.5
PFD 0.0e+00
Delays (us)
SBD 0.001501
MBD -0.005201
Fringe rate (Hz) -0.011031
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.512

Exp. c201d
Exper # 16383
Yr:day 2020:118
Start 165000.00
Stop 165559.94
FRT 165300.00
Corr/FF/build
2020:204:103652
2020:204:122440
2020:014:135814
RA & Dec (J2000)
03h19m48.160095s
+41°30'42.104042"



Avgd. Xpower Spectrum (MHz)

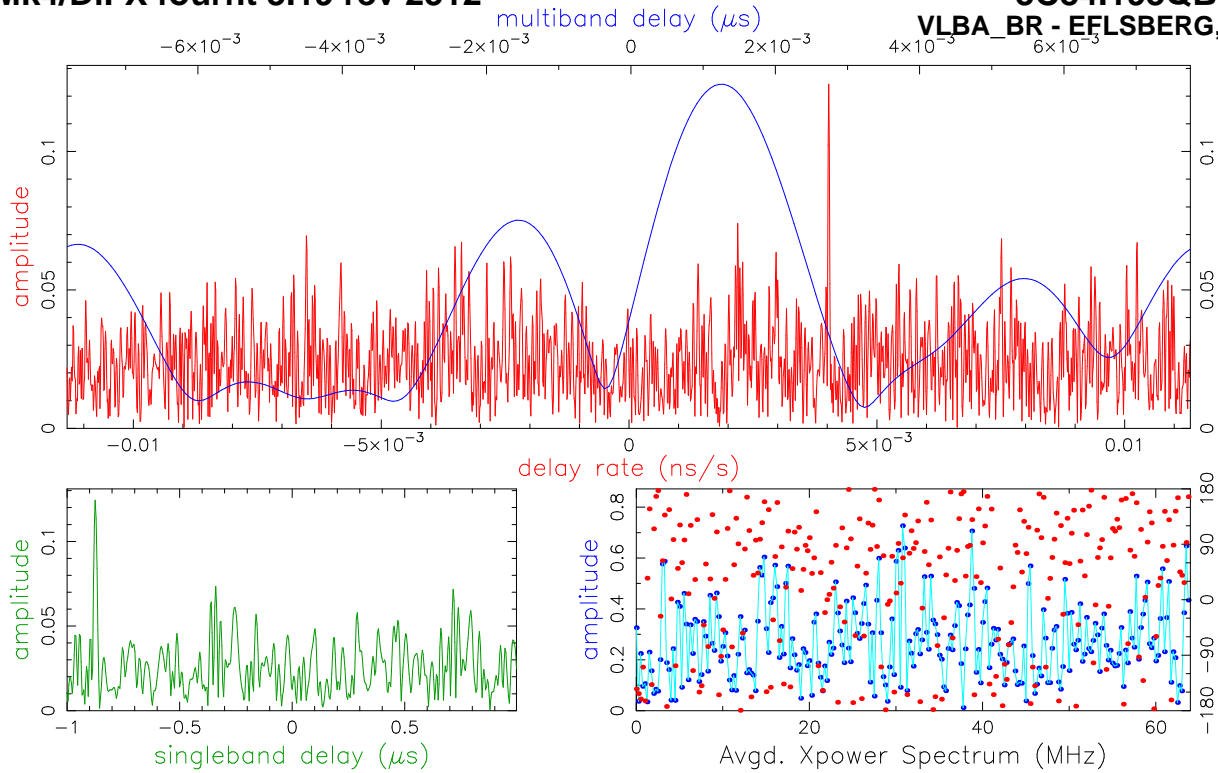
Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0		
b	1000	1000	1000	1000	1000	1000	1000	1000		
B	1000	1000	1000	1000	1000	1000	1000	1000		
b:B	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
b:B	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
b	1000	1000	1000	1000	1000	1000	1000	1000		
B	1000	1000	1000	1000	1000	1000	1000	1000		
b	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		
B	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		

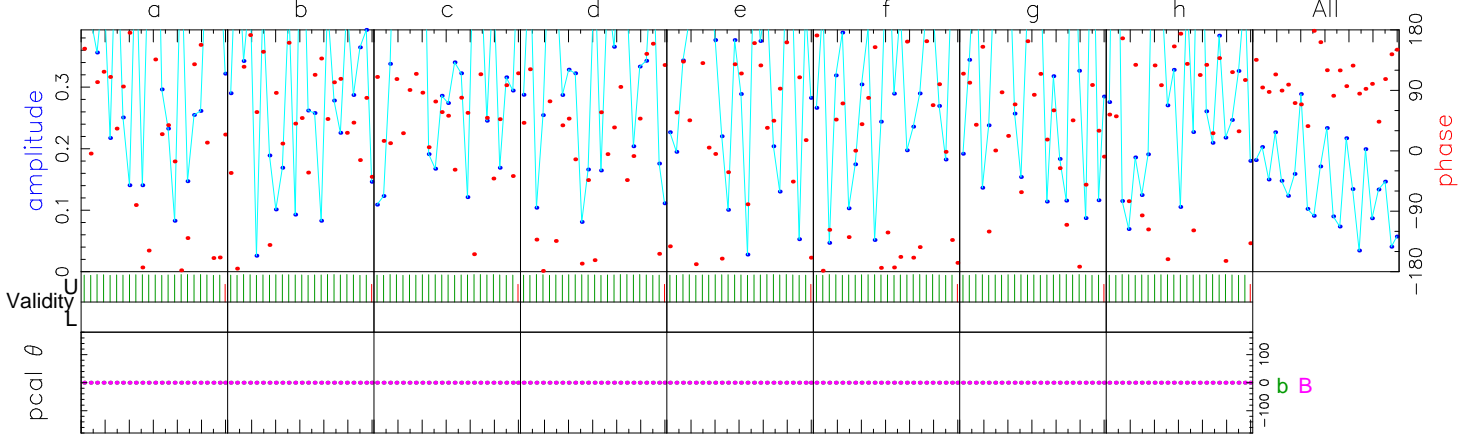
Group delay (usec)(sbd)	7.03438693935E+02	Apriori delay (usec)	7.03443895158E+02	Resid mbdelay (usec)	-5.20122E-03	+/-	5.4E-05
Sband delay (usec)	7.03445395908E+02	Apriori clock (usec)	-1.4439681E+01	Resid sbdelay (usec)	1.50075E-03	+/-	4.3E-04
Phase delay (usec)	7.03443897528E+02	Apriori clockrate (us/s)	1.5800000E-07	Resid phdelay (usec)	2.36980E-06	+/-	1.9E-07
Delay rate (us/s)	1.35121977056E+00	Apriori rate (us/s)	1.35121989862E+00	Resid rate (us/s)	-1.28060E-07	+/-	8.9E-10
Total phase (deg)	119.9	Apriori accel (us/s/s)	-5.86097415492E-06	Resid phase (deg)	73.5	+/-	5.8

ph/seg (deg)	67.1	RMS	67.1	Theor.	13.8	Amplitude	0.387 +/- 0.019	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5				
amp/seg (%)	100.7	Search (2048X32)	0.362	sb window (us)	-1.000	1.000	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	SampCntNorm:	enabled	mb window (us)	-0.008	0.008		
ph/frq (deg)	51.8	Inc. seg. avg.	0.690	dr window (ns/s)	-0.011	0.011	Sample rate (MSamp/s):	128	nlags:	256	t_cohere	infinite	ion window (TEC)	0.00	0.00
amp/frq (%)	36.7	Inc. frq. avg.	0.499	u,v (fr/asec)	-10351.948	-518.946	Data rate (Mb/s):	2048	simultaneous interpolator						



Fringe quality 0
SNR 6.4
Int time 354.450
Amp 0.131
Phase 100.9
PFD 4.1e-02
Delays (us)
SBD -0.874724
MBD 0.001259
Fringe rate (Hz)
0.347398
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512
Exp. c201d
Exper # 16383
Yr:day 2020:118
Start 165000.00
Stop 165559.94
FRT 165300.00
Corr/FF/build
2020:204:103652
2020:204:122448
2020:014:135814
RA & Dec (J2000)
03h19m48.160095s
+41°30'42.104042"

Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec

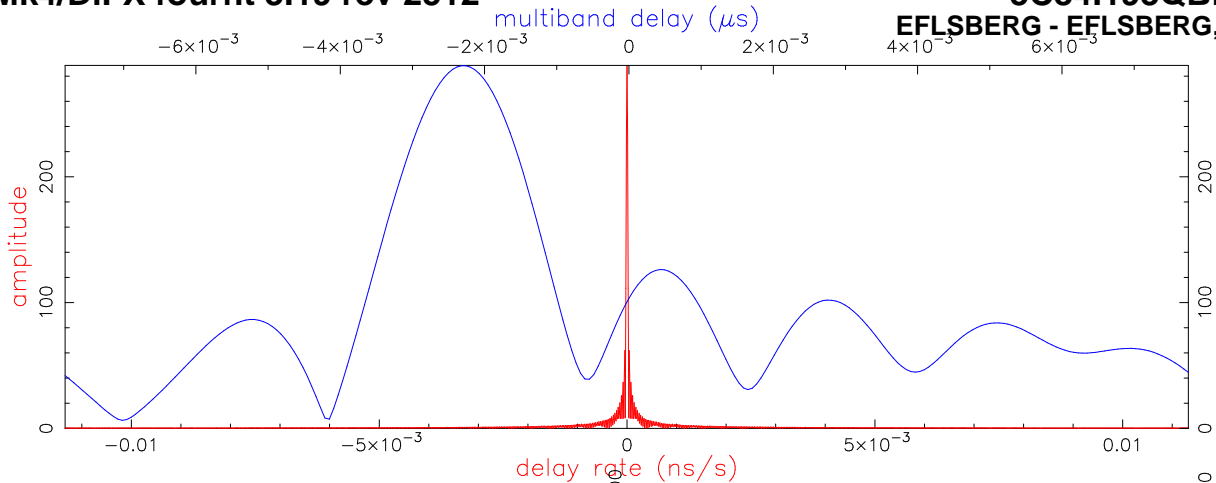


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0		
b	1000	1000	1000	1000	1000	1000	1000	1000		
B	1000	1000	1000	1000	1000	1000	1000	1000		
b:B	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
b:B	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
b	1000	1000	1000	1000	1000	1000	1000	1000		
B	1000	1000	1000	1000	1000	1000	1000	1000		
b	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		

Group delay (usec)(sbd) 7.02570154106E+02 Apriori delay (usec) 7.03443895158E+02 Resid mbdelay (usec) 1.25895E-03 +/- 1.7E-04
Sband delay (usec) 7.02569170908E+02 Apriori clock (usec) -1.4439681E+01 Resid sbdelay (usec) -8.74724E-01 +/- 1.3E-03
Phase delay (usec) 7.03443898412E+02 Apriori clockrate (us/s) 1.5800000E-07 Resid phdelay (usec) 3.25346E-06 +/- 5.8E-07
Delay rate (us/s) 1.35122393156E+00 Apriori rate (us/s) 1.35121989862E+00 Resid rate (us/s) 4.03294E-06 +/- 2.8E-09
Total phase (deg) 147.3 Apriori accel (us/s/s) -5.86097415492E-06 Resid phase (deg) 100.9 +/- 17.9

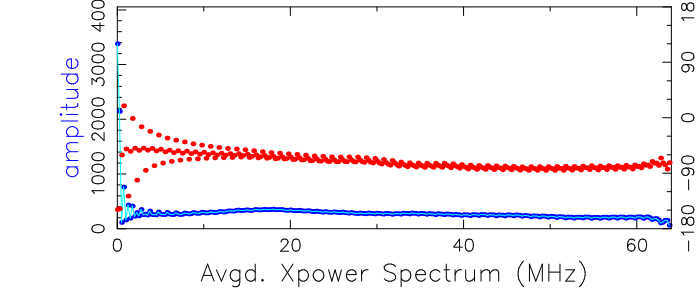
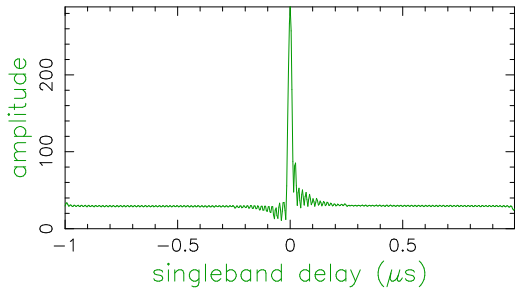
RMS Theor. Amplitude 0.131 +/- 0.020 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
ph/seg (deg) 34.1 42.9 Search (2048X32) 0.122 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
amp/seg (%) 54.3 74.9 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
ph/frq (deg) 38.3 25.3 Inc. seg. avg. 0.119 Sample rate(MISamp/s): 128 dr window (ns/s) -0.011 0.011
amp/frq (%) 39.4 44.2 Inc. frq. avg. 0.141 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite ion window (TEC) 0.00 0.00

b: az 75.0 el 47.2 pa -59.5 B: az 284.8 el 45.4 pa 55.3 u,v (fr/asec) -10351.948 -518.946 simultaneous interpolator
Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/bB..193QBF Output file: /Exps/c201d/v1/1234/No0057/bB.W.39.193QBF



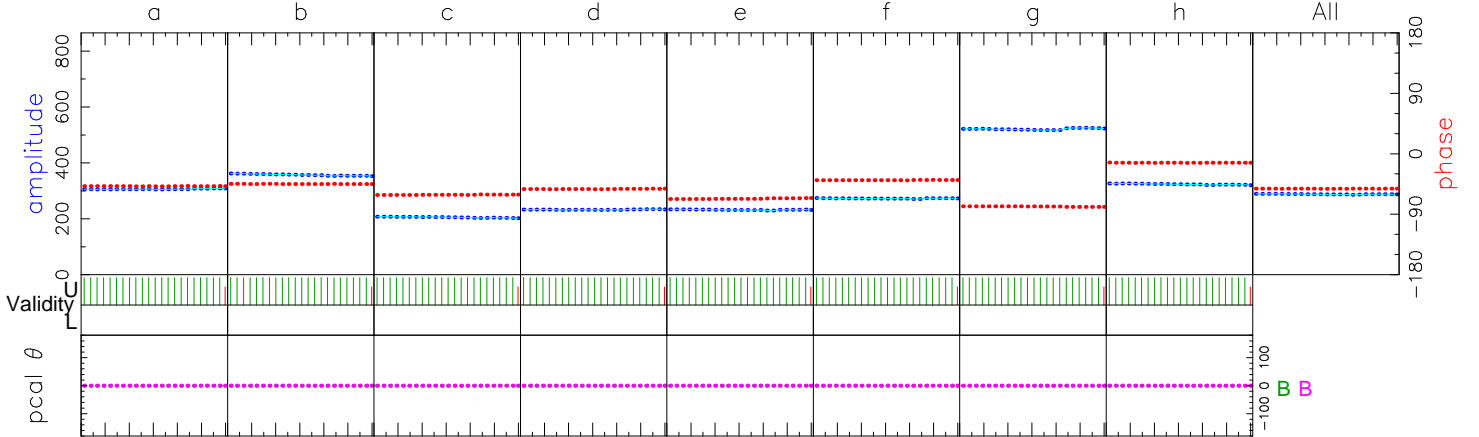
Fringe quality 7

SNR 14960.2
Int time 359.556
Amp 288.506
Phase -52.0
PFD 0.0e+00
Delays (us)
SBD -0.000308
MBD -0.002303
Fringe rate (Hz)
0.000003
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512



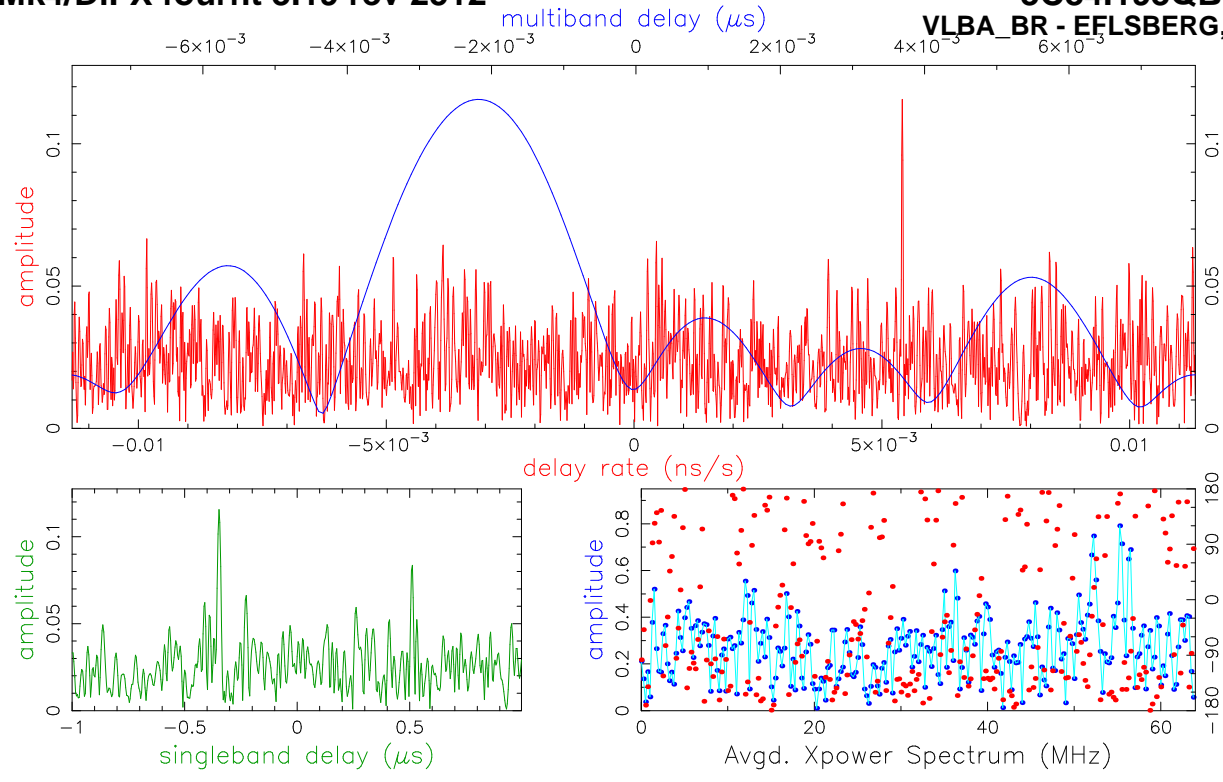
Exp. c201d
Exper # 16383
Yr:day 2020:118
Start 165000.00
Stop 165559.94
FRT 165300.00
Corr/FF/build
2020:204:103652
2020:204:122451
2020:014:135814
RA & Dec (J2000)
03h19m48.160095s
+41°30'42.104042"

Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec



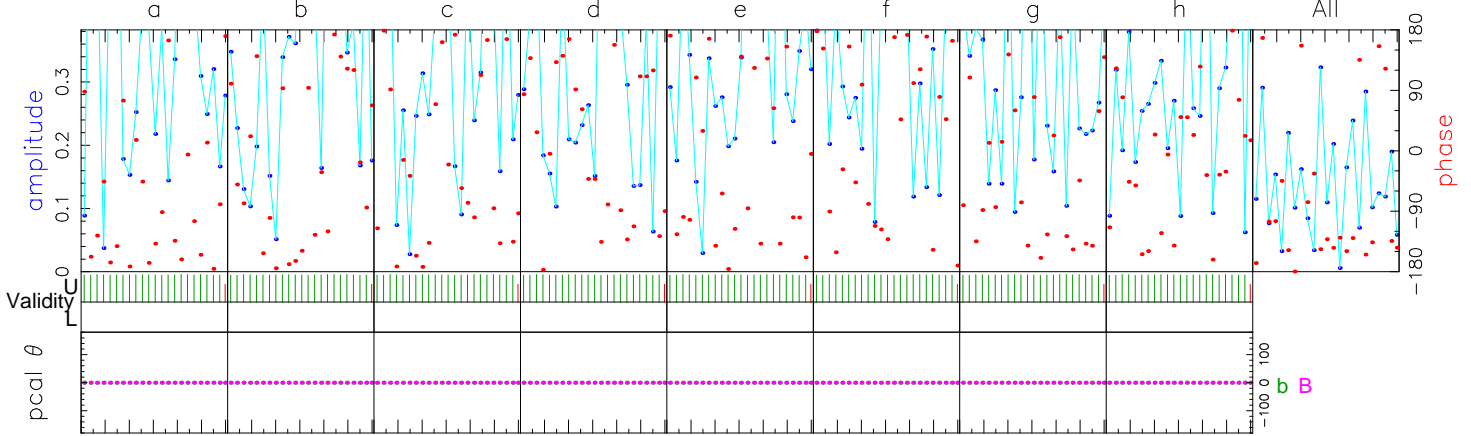
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-48.2	-44.9	-61.0	-52.4	-66.8	-39.2	-78.5	-13.4	Phase	-52.0
	306.5	357.4	205.5	233.0	232.3	272.9	521.3	323.9	Ampl.	306.6
	256.1	256.7	257.1	256.0	256.9	256.9	257.7	257.2	Sbd box	256.9
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	APs used	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
B:B	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
B:B	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
B	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	
									Tracks	
Group delay (usec)(sbd)	-2.30296875000E-03		Apriori delay (usec)		0.00000000000E+00		Resid mbdelay (usec)		-2.30297E-03	+/- 7.3E-08
Sband delay (usec)	-3.08000000000E-04		Apriori clock (usec)		0.0000000E+00		Resid sbdelay (usec)		-3.08000E-04	+/- 5.8E-07
Phase delay (usec)	-1.67564079893E-06		Apriori clockrate (us/s)		0.0000000E+00		Resid phdelay (usec)		-1.67564E-06	+/- 2.5E-10
Delay rate (us/s)	3.68449962184E-11		Apriori rate (us/s)		0.00000000000E+00		Resid rate (us/s)		3.68450E-11	+/- 1.2E-12
Total phase (deg)			Apriori accel (us/s/s)		0.00000000000E+00		Resid phase (deg)		-52.0	+/- 0.0

	RMS	Theor.	Amplitude	288.506 +/- 0.019	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5
ph/seg (deg)	0.1	0.0	Search (2048X32)	285.433	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us) -1.000 1.000
amp/seg (%)	0.3	0.0	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled
ph/frq (deg)	21.3	0.0	Inc. seg. avg.	288.340	Sample rate(MISamp/s): 128	dr window (ns/s) -0.011 0.011
amp/frq (%)	33.3	0.0	Inc. frq. avg.	306.610	Data rate(Mb/s): 2048	ion window (TEC) 0.00 0.00



Fringe quality 0
SNR 6.0
Int time 354.450
Amp 0.128
Phase -153.4
PFD 4.7e-01
Delays (us)
SBD -0.347050
MBD -0.002175
Fringe rate (Hz) 0.467302
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.512
Exp. c201d
Exper # 16383
Yr:day 2020:118
Start 165000.00
Stop 165559.94
FRT 165300.00
Corr/FF/build 2020:204:103652
2020:204:122452
2020:014:135814
RA & Dec (J2000) 03h19m48.160095s +41°30'42.104042"

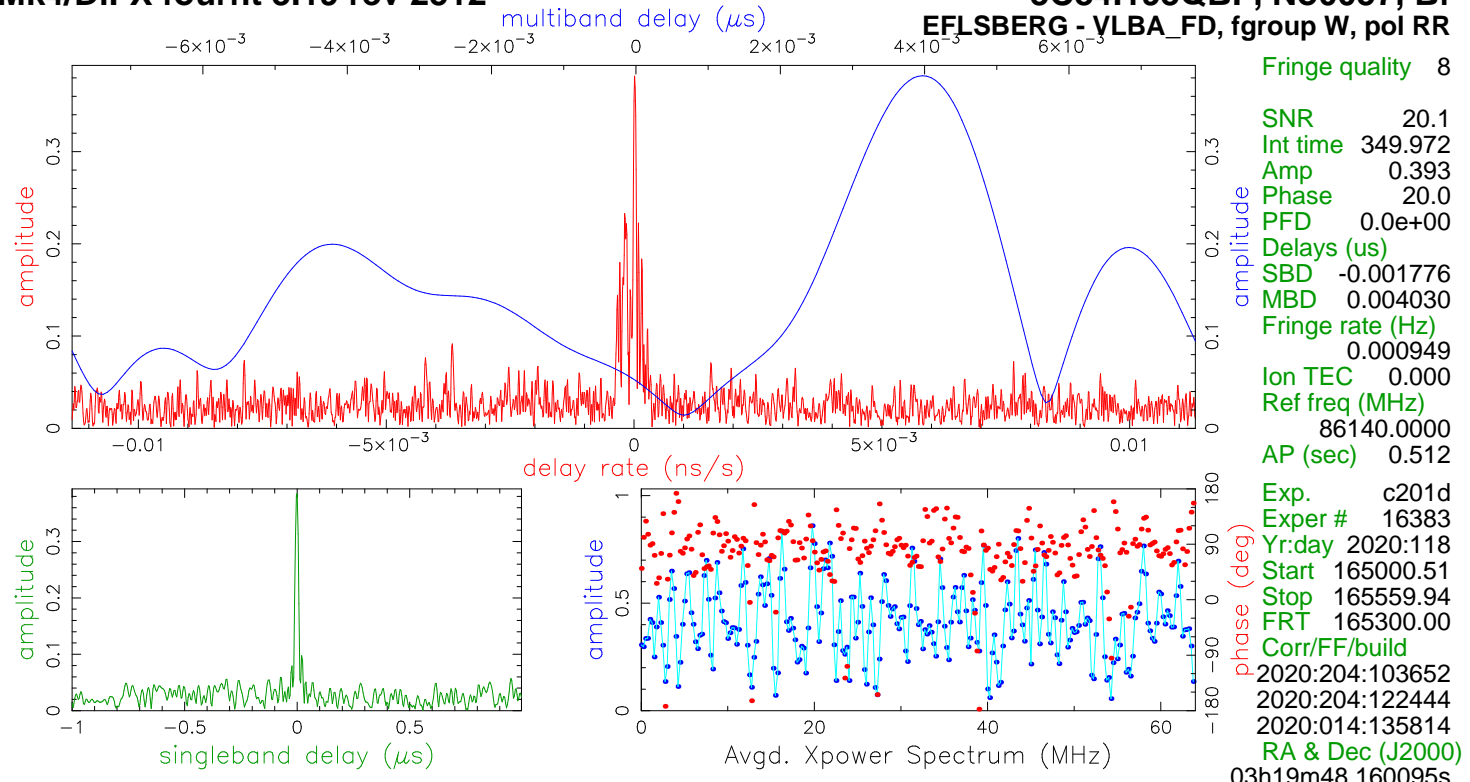
Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec



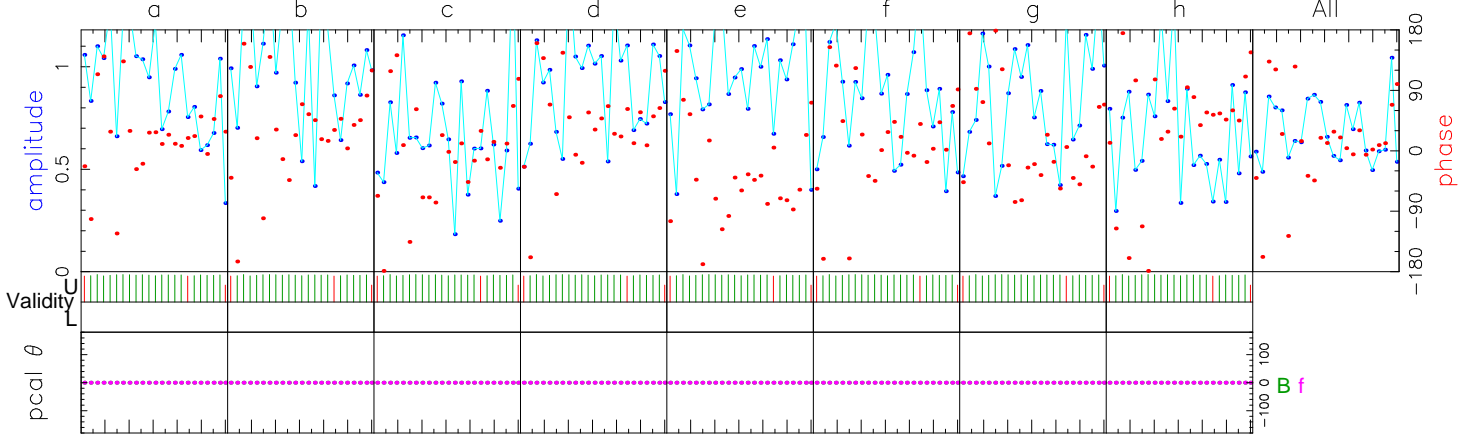
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-136.2	-172.7	-160.5	-168.2	-143.3	-172.0	-147.7	9.6	Phase	-153.4
	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.1	Ampl.	0.1
	166.8	429.9	291.5	218.7	197.8	250.5	428.5	323.0	Sbd box	168.2
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	APs used	
b	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
b:B	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
b:B	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
b	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
B	1000	1000	1000	1000	1000	1000	1000	1000		
b	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
B	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	
									Tracks	
Group delay (usec)(sbd)	7.03097969813E+02		Apriori delay (usec)		7.03443895158E+02		Resid mbdelay (usec)		-2.17535E-03	+/- 1.8E-04
Sband delay (usec)	7.03096845408E+02		Apriori clock (usec)		-1.4439681E+01		Resid sbdelay (usec)		-3.47050E-01	+/- 1.4E-03
Phase delay (usec)	7.03443890210E+02		Apriori clockrate (us/s)		1.5800000E-07		Resid phdelay (usec)		-4.94826E-06	+/- 6.2E-07
Delay rate (us/s)	1.35122532354E+00		Apriori rate (us/s)		1.35121989862E+00		Resid rate (us/s)		5.42492E-06	+/- 3.0E-09
Total phase (deg)			Apriori accel (us/s/s)		-5.86097415492E-06		Resid phase (deg)		-153.4	+/- 19.2

	RMS	Theor.	Amplitude	0.128 +/- 0.021	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-1.000	1.000
ph/seg (deg)	51.0	46.1	Search (2048X32)	0.113	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	SampCntNorm: enabled	mb window (us)	-0.008	0.008
amp/seg (%)	76.9	80.4	Interp.	0.000	Sample rate(MISamp/s): 128	nlags: 256	dr window (ns/s)	-0.011	0.011
ph/frq (deg)	68.3	27.2	Inc. seg. avg.	0.119	Data rate(Mb/s): 2048	t_cohere infinite	ion window (TEC)	0.00	0.00
amp/frq (%)	42.1	47.4	Inc. frq. avg.	0.134					

b: az 75.0 el 47.2 pa -59.5 B: az 284.8 el 45.4 pa 55.3 u,v (fr/asec) -10351.948 -518.946 simultaneous interpolator
Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/bB..193QBF Output file: /Exps/c201d/v1/1234/No0057/bB.W.58.193QBF



Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec

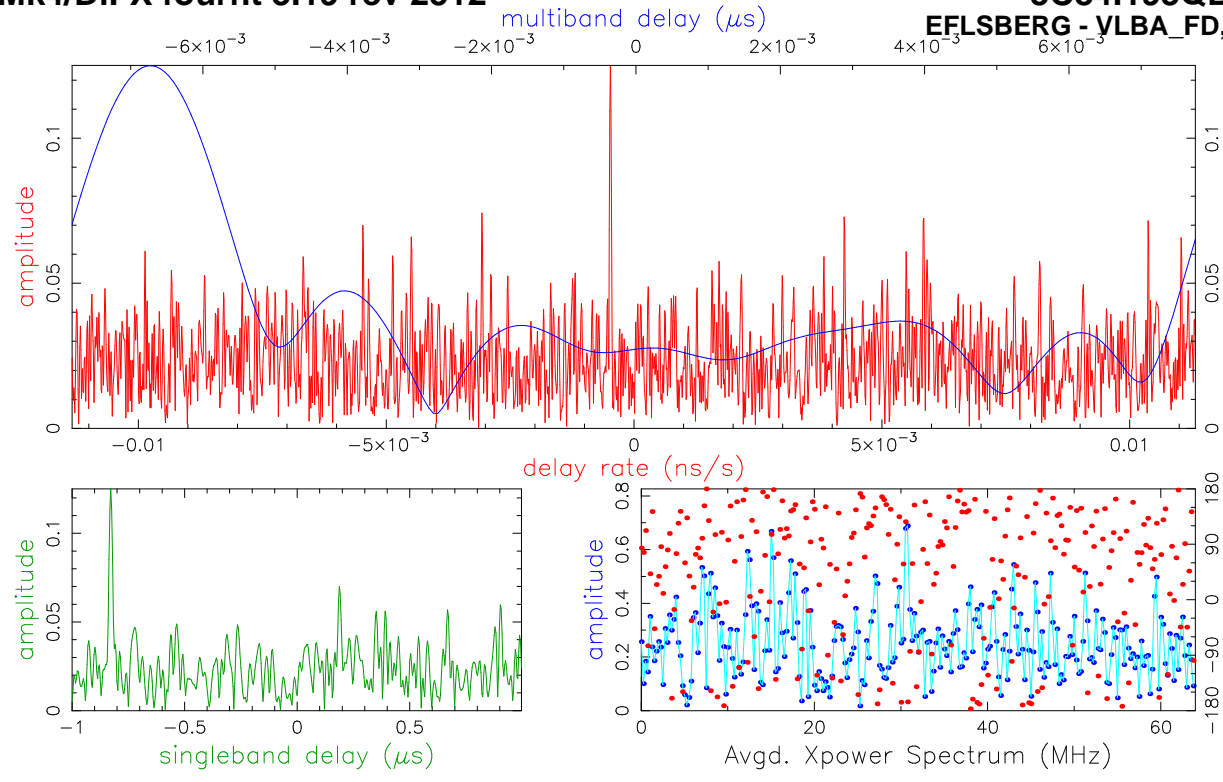


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
26.8	39.1	6.7	47.0	-52.2	23.8	-6.2	74.4	74.4	Phase	20.0
0.5	0.5	0.3	0.6	0.6	0.4	0.5	0.4	0.4	Ampl.	0.5
256.0	256.5	257.0	256.8	256.9	256.9	257.4	258.1	258.1	Sbd box	256.5
U/L	702/0	702/0	702/0	702/0	702/0	702/0	702/0	702/0	APs used	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
B:f	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
B:f	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
f	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
f	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	
Group delay (usec)(sbd)	-1.89213847939E+03		Apriori delay (usec)	-1.89214250903E+03	Resid mbdelay (usec)	4.02964E-03	+/-	5.4E-05		
Sband delay (usec)	-1.89214428528E+03		Apriori clock (usec)	9.1071491E+00	Resid sbdelay (usec)	-1.77625E-03	+/-	4.3E-04		
Phase delay (usec)	-1.89214250839E+03		Apriori clockrate (us/s)	-3.0900000E-07	Resid phdelay (usec)	6.43521E-07	+/-	1.8E-07		
Delay rate (us/s)	-1.38016244352E+00		Apriori rate (us/s)	-1.38016245454E+00	Resid rate (us/s)	1.10202E-08	+/-	8.8E-10		
Total phase (deg)		-242.2	Apriori accel (us/s/s)	2.97509557278E-05	Resid phase (deg)	20.0	+/-	5.7		

	RMS	Theor.	Amplitude	0.393 +/- 0.020	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-1.000	1.000
ph/seg (deg)	68.7	13.7	Search (2048X32)	0.382	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		mb window (us)	-0.008	0.008
amp/seg (%)	84.2	23.8	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	dr window (ns/s)	-0.011	0.011
ph/frq (deg)	41.2	8.1	Inc. seg. avg.	0.672	Sample rate(MISamp/s): 128		ion window (TEC)	0.00	0.00
amp/frq (%)	29.8	14.1	Inc. frq. avg.	0.463	Data rate(Mb/s): 2048	nlags: 256	t_cohere infinite		

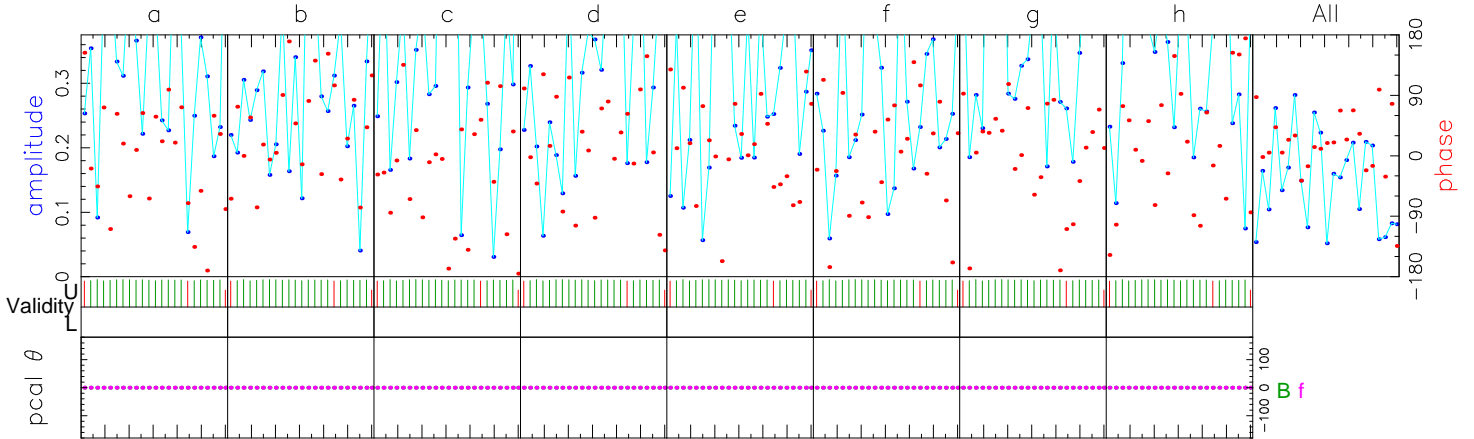
B: az 284.8 el 45.4 pa 55.3 f: az 60.3 el 52.1 pa -91.3 u,v (fr/asec) 10600.145 3739.863 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/Bf..193QBF Output file: /Exps/c201d/v1/1234/No0057/Bf.W.16.193QBF



Fringe quality 0
SNR 6.4
Int time 349.972
Amp 0.125
Phase 19.0
PFD 4.4e-02
Delays (us)
SBD -0.828186
MBD -0.006731
Fringe rate (Hz)
-0.040835
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512
Exp. c201d
Exper # 16383
Yr:day 2020:118
Start 165000.51
Stop 165559.94
FRT 165300.00
Corr/FF/build
2020:204:103652
2020:204:122447
2020:014:135814
RA & Dec (J2000)
03h19m48.160095s
+41°30'42.104042"

Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec



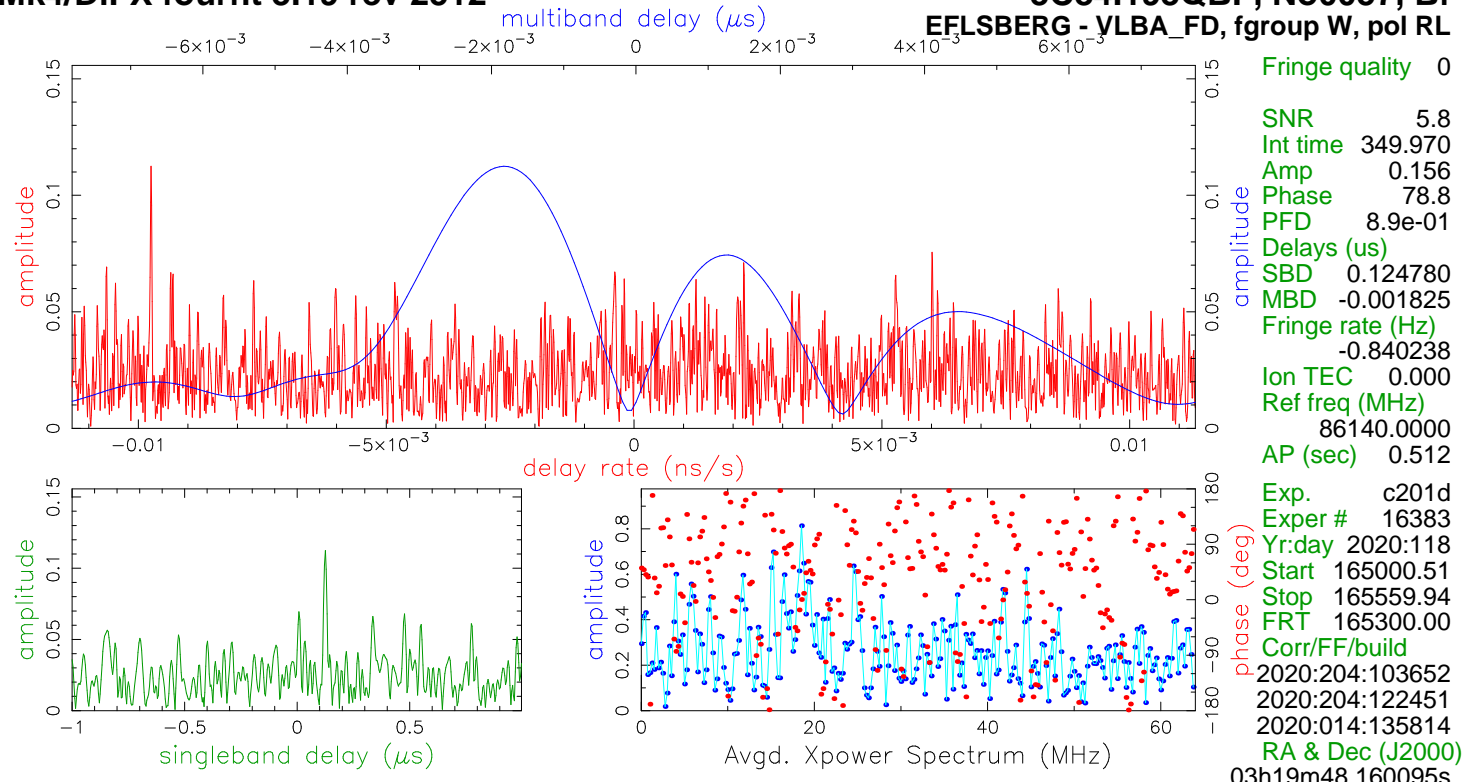
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	702/0	702/0	702/0	702/0	702/0	702/0	702/0	702/0		
B	1000	1000	1000	1000	1000	1000	1000	1000		
f	1000	1000	1000	1000	1000	1000	1000	1000		
B:f	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
B:f	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
B	1000	1000	1000	1000	1000	1000	1000	1000		
f	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		
f	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		
Group delay (usec)(sbd)	-1.89297736467E+03									
Sband delay (usec)	-1.89297069528E+03									
Phase delay (usec)	-1.89214250842E+03									
Delay rate (us/s)	-1.38016292860E+00									
Total phase (deg)			-243.1							
Apriori delay (usec)										
Apriori clock (usec)										
Apriori clockrate (us/s)										
Apriori rate (us/s)										
Apriori accel (us/s/s)										
Resid mbdelay (usec)										
Resid sbdelay (usec)										
Resid phdelay (usec)										
Resid rate (us/s)										
Resid phase (deg)										

ph/seg (deg) 44.7 43.0 44.7 43.0
amp/seg (%) 59.4 75.0 59.4 75.0
ph/frq (deg) 28.5 25.3 28.5 25.3
amp/frq (%) 32.1 44.2 32.1 44.2

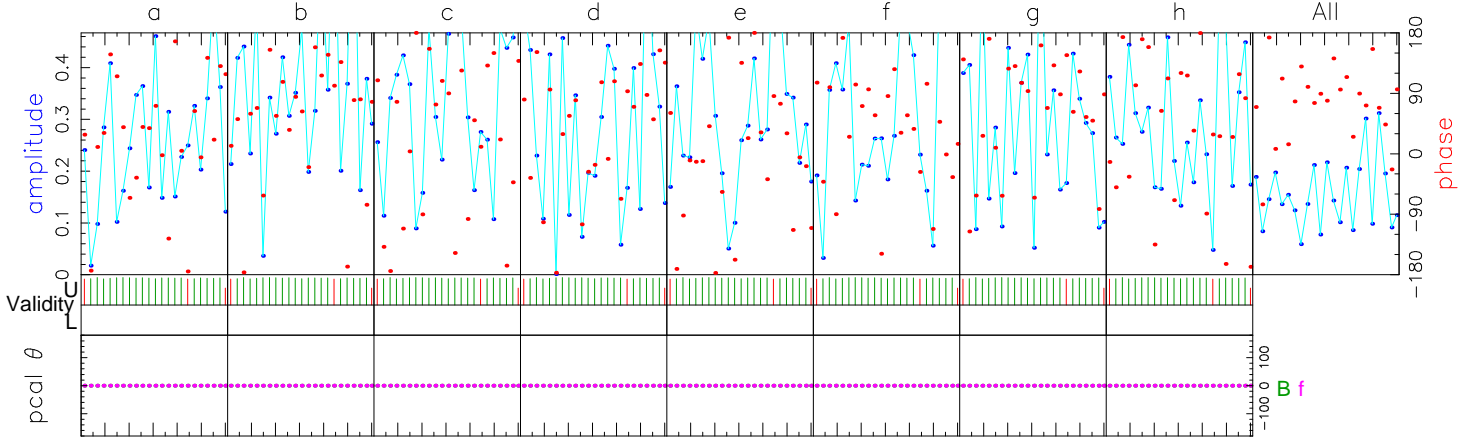
RMS Theor. Amplitude 0.125 +/- 0.020
Search (2048X32) 0.121
Interp. 0.000
Inc. seg. avg. 0.118
Inc. frq. avg. 0.123

PCal mode: MANUAL, MANUAL PC period (AP's) 5, 5
PCal rate: 0.000E+00, 0.000E+00 (us/s)
Bits/sample: 2x2 SampCntNorm: enabled
Sample rate(MISamp/s): 128
Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite

sb window (us) -1.000 1.000
mb window (us) -0.008 0.008
dr window (ns/s) -0.011 0.011
ion window (TEC) 0.00 0.00



Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec

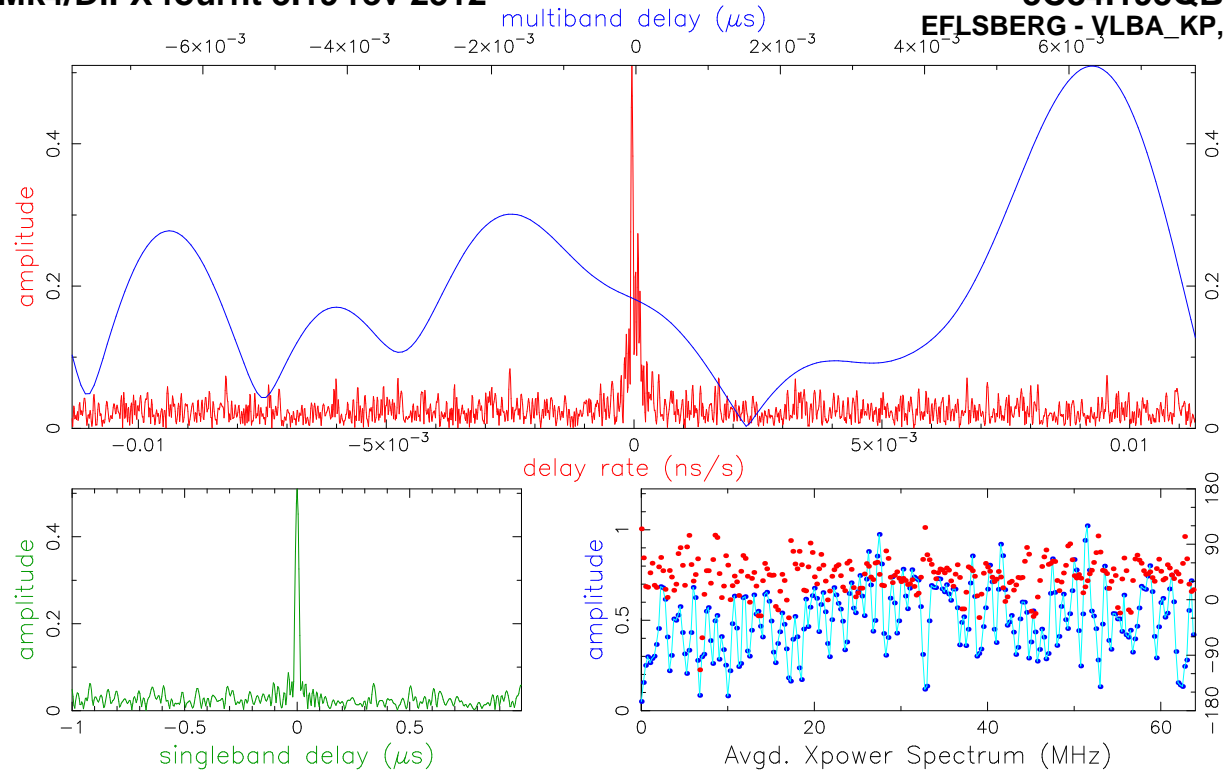


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
53.6	95.5	134.2	70.5	24.0	43.5	103.3	112.1		Phase	78.8
0.1	0.3	0.1	0.2	0.1	0.2	0.2	0.1		Ampl.	0.2
40.8	288.8	436.7	75.5	507.2	287.8	428.8	245.5		Sbd box	288.9
U/L	702/0	702/0	702/0	702/0	702/0	702/0	702/0		APs used	
B	1000	1000	1000	1000	1000	1000	1000		PC freqs	
f	1000	1000	1000	1000	1000	1000	1000		PC freqs	
B:f	0:0	0:0	0:0	0:0	0:0	0:0	0:0		PC phase	
B:f	0:0	0:0	0:0	0:0	0:0	0:0	0:0		Mani PC	
B	1000	1000	1000	1000	1000	1000	1000		PC amp	
f	1000	1000	1000	1000	1000	1000	1000			
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
f	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	-1.89201933447E+03		Apriori delay (usec)	-1.89214250903E+03	Resid mbdelay (usec)	-1.82543E-03	+/-	1.9E-04		
Sband delay (usec)	-1.89201772878E+03		Apriori clock (usec)	9.1071491E+00	Resid sbdelay (usec)	1.24780E-01	+/-	1.5E-03		
Phase delay (usec)	-1.89214250649E+03		Apriori clockrate (us/s)	-3.0900000E-07	Resid phdelay (usec)	2.54099E-06	+/-	6.4E-07		
Delay rate (us/s)	-1.38017220888E+00		Apriori rate (us/s)	-1.38016245454E+00	Resid rate (us/s)	-9.75433E-06	+/-	3.1E-09		
Total phase (deg)		-183.3	Apriori accel (us/s/s)	2.97509557278E-05	Resid phase (deg)	78.8	+/-	19.9		

	RMS	Theor.	Amplitude	0.156 +/- 0.027	Pcal mode: MANUAL, MANUAL	PC period (AP's)	5, 5
ph/seg (deg)	56.6	47.8	Search (2048X32)	0.111	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000
amp/seg (%)	70.8	83.4	Interp.	0.000	Bits/sample: 2x2	mb window (us)	-0.008 0.008
ph/frq (deg)	40.8	28.2	Inc. seg. avg.	0.161	Sample rate(MISamp/s): 128	dr window (ns/s)	-0.011 0.011
amp/frq (%)	49.2	49.2	Inc. frq. avg.	0.162	Data rate(Mb/s): 2048	ion window (TEC)	0.00 0.00

B: az 284.8 el 45.4 pa 55.3 f: az 60.3 el 52.1 pa -91.3 u,v (fr/asec) 10600.145 3739.863 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/Bf..193QBF Output file: /Exps/c201d/v1/1234/No0057/Bf.W.55.193QBF

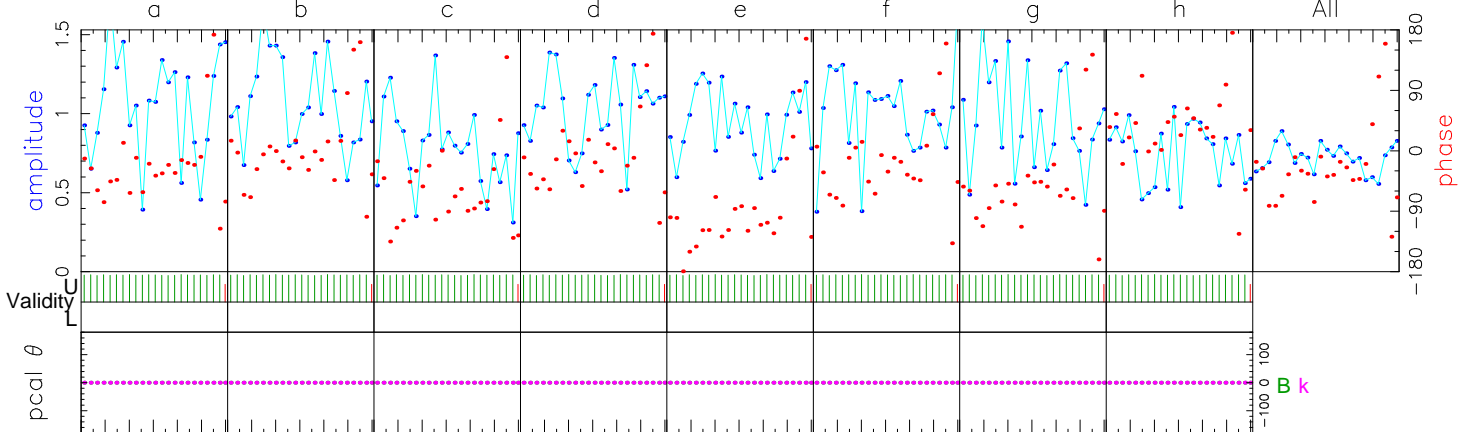


Fringe quality 6

SNR 26.2
Int time 352.611
Amp 0.510
Phase -40.1
PFD 0.0e+00
Delays (us)
SBD -0.000560
MBD 0.006311
Fringe rate (Hz)
-0.003965
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

Exp. c201d
Exper # 16383
Yr:day 2020:118
Start 165000.00
Stop 165559.94
FRT 165300.00
Corr/FF/build
2020:204:103652
2020:204:122445
2020:014:135814
RA & Dec (J2000)
03h19m48.160095s
+41°30'42.104042"

Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec

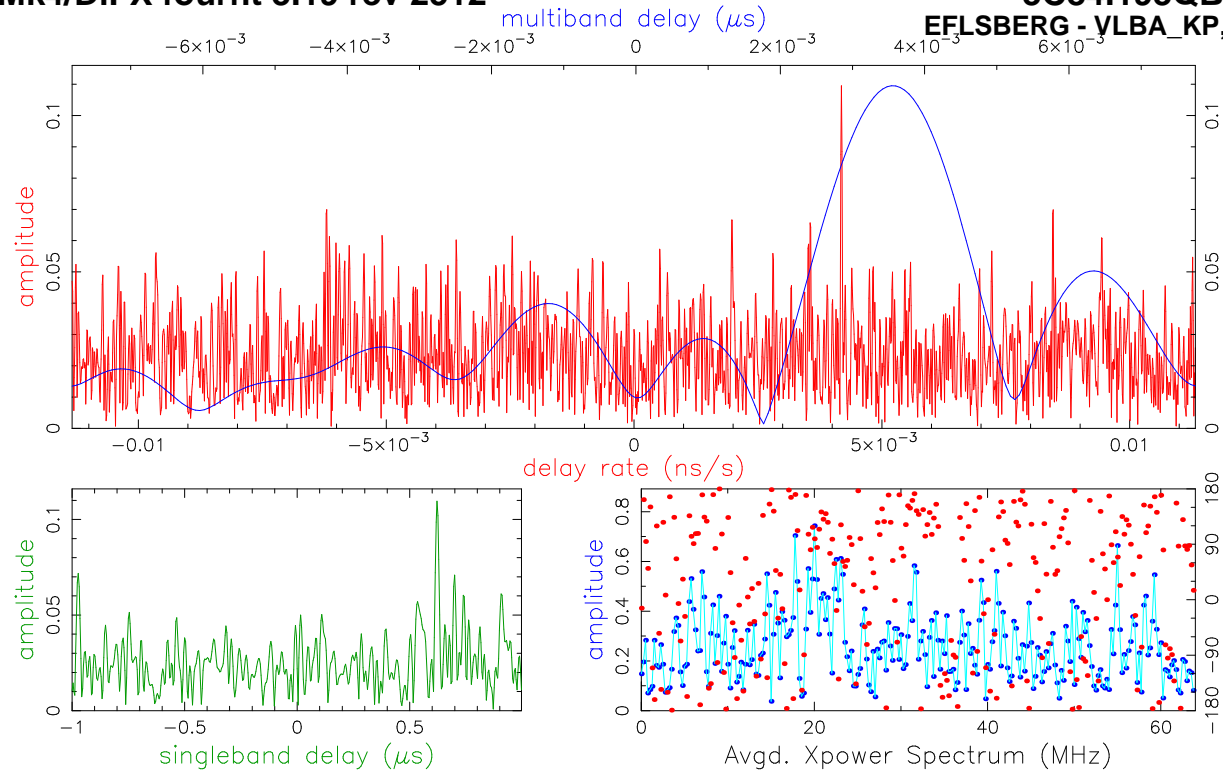


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-37.9	-12.8	-73.5	-19.1	-113.8	-32.8	-68.8	35.8	Phase	-40.1
	0.8	0.8	0.5	0.7	0.6	0.7	0.7	0.5	Ampl.	0.6
	256.5	256.7	257.6	257.3	258.3	257.0	257.9	257.0	Sbd box	256.9
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	APs used	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
k	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
B:k	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
B:k	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
k	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
k	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	

Group delay (usec)(sbd) -6.73603255440E+02 Apriori delay (usec) -6.73609566480E+02 Resid mbdelay (usec) 6.31104E-03 +/- 4.1E-05
 Sband delay (usec) -6.73610126730E+02 Apriori clock (usec) 1.3365585E+01 Resid sbdelay (usec) -5.60250E-04 +/- 3.3E-04
 Phase delay (usec) -6.73609567772E+02 Apriori clockrate (us/s) -2.0540000E-07 Resid phdelay (usec) -1.29223E-06 +/- 1.4E-07
 Delay rate (us/s) -1.45748218764E+00 Apriori rate (us/s) -1.45748214161E+00 Resid rate (us/s) -4.60336E-08 +/- 6.8E-10
 Total phase (deg) -60.4 Apriori accel (us/s/s) 2.18182697896E-05 Resid phase (deg) -40.1 +/- 4.4

RMS Theor. Amplitude 0.510 +/- 0.019 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 56.6 10.5 Search (2048X32) 0.507 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 amp/seg (%) 44.9 18.3 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 ph/frq (deg) 48.9 6.2 Inc. seg. avg. 0.710 Sample rate(MISamp/s): 128 dr window (ns/s) -0.011 0.011
 amp/frq (%) 32.9 10.8 Inc. frq. avg. 0.648 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite ion window (TEC) 0.00 0.00

B: az 284.8 el 45.4 pa 55.3 k: az 61.4 el 47.0 pa -85.5 u,v (fr/asec) 11182.537 3052.399 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/Bk..193QBF Output file: /Exps/c201d/v1/1234/No0057/Bk.W.20.193QBF

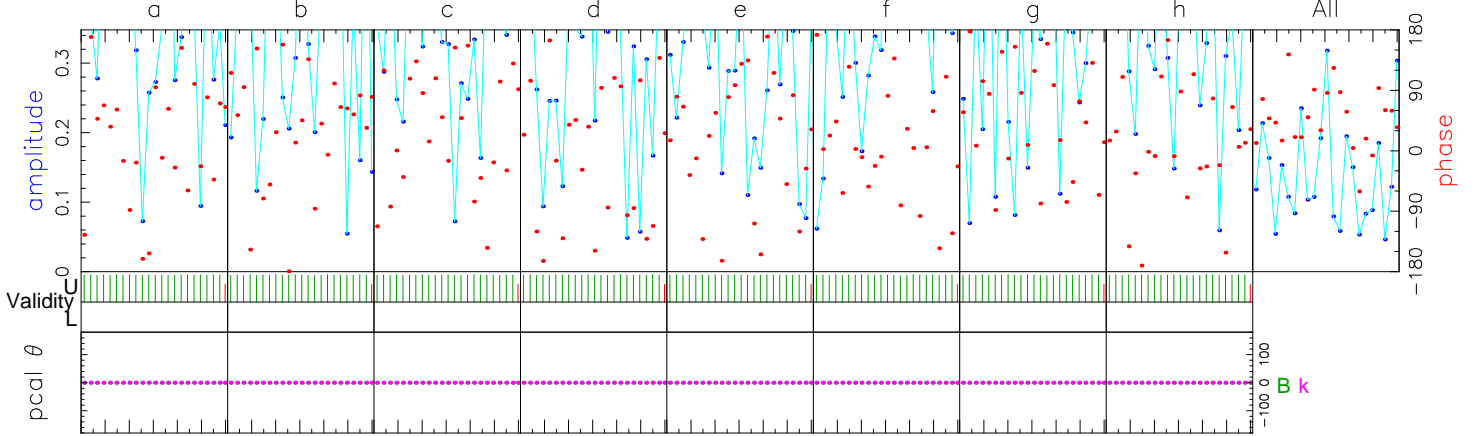


Fringe quality 0

SNR 5.6
Int time 352.612
Amp 0.116
Phase 50.7
PFD 9.9e-01
Delays (us)
SBD 0.621418
MBD 0.003570
Fringe rate (Hz) 0.361228
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.512

Exp. c201d
Exper # 16383
Yr:day 2020:118
Start 165000.00
Stop 165559.94
FRT 165300.00
Corr/FF/build 2020:204:103652
2020:204:122453
2020:014:135814
RA & Dec (J2000) 03h19m48.160095s +41°30'42.104042"

Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec



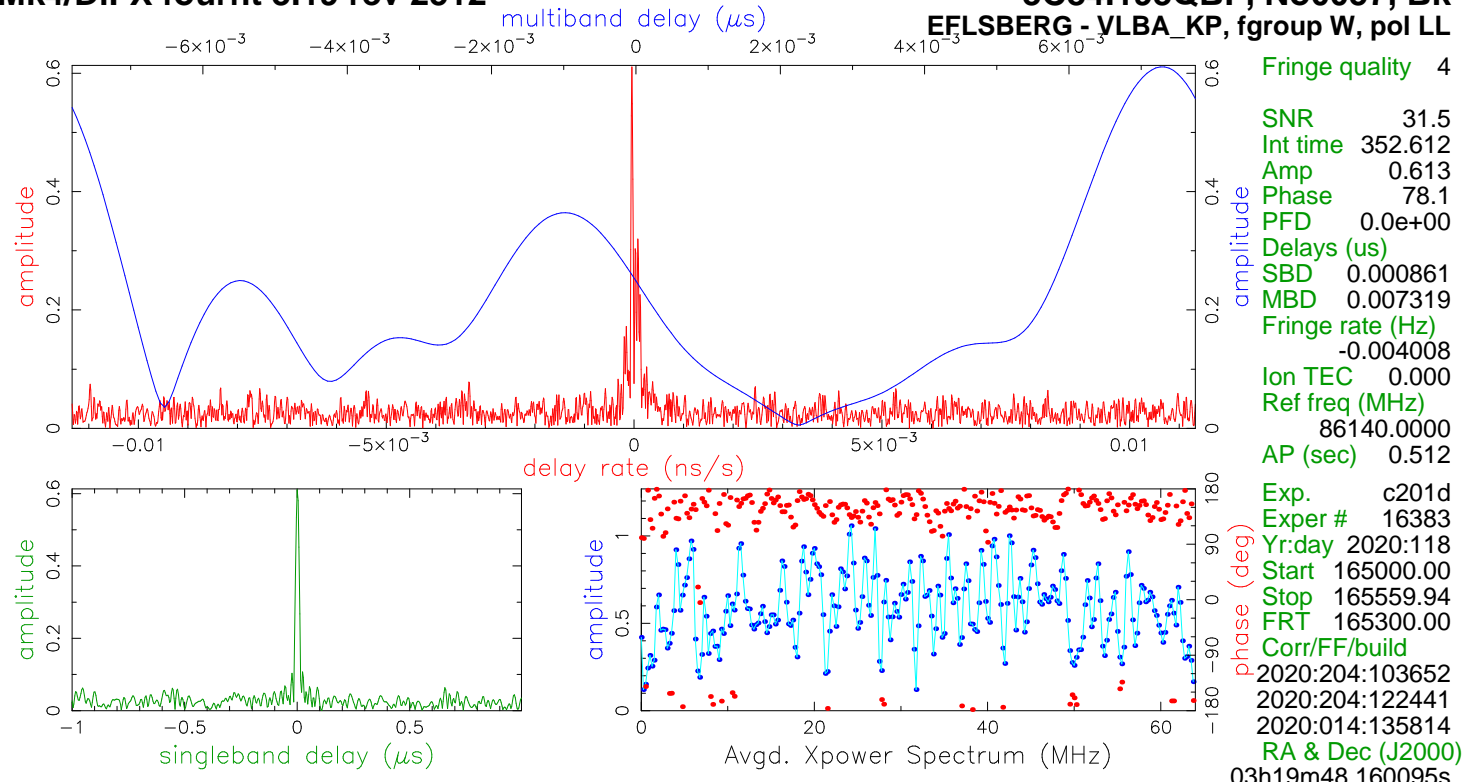
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0		
B	1000	1000	1000	1000	1000	1000	1000	1000		
k	1000	1000	1000	1000	1000	1000	1000	1000		
B:k	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
B:k	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
B	1000	1000	1000	1000	1000	1000	1000	1000		
k	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		
k	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		

Group delay (usec)(sbd)	-6.72980996182E+02	Apriori delay (usec)	-6.73609566480E+02	Resid mbdelay (usec)	3.57030E-03	+/-	1.9E-04
Sband delay (usec)	-6.72988148730E+02	Apriori clock (usec)	1.3365585E+01	Resid sbdelay (usec)	6.21418E-01	+/-	1.5E-03
Phase delay (usec)	-6.73609564845E+02	Apriori clockrate (us/s)	-2.0540000E-07	Resid phdelay (usec)	1.63501E-06	+/-	6.6E-07
Delay rate (us/s)	-1.45747794812E+00	Apriori rate (us/s)	-1.45748214161E+00	Resid rate (us/s)	4.19349E-06	+/-	3.2E-09
Total phase (deg)	30.3	Apriori accel (us/s/s)	2.18182697896E-05	Resid phase (deg)	50.7	+/-	20.4

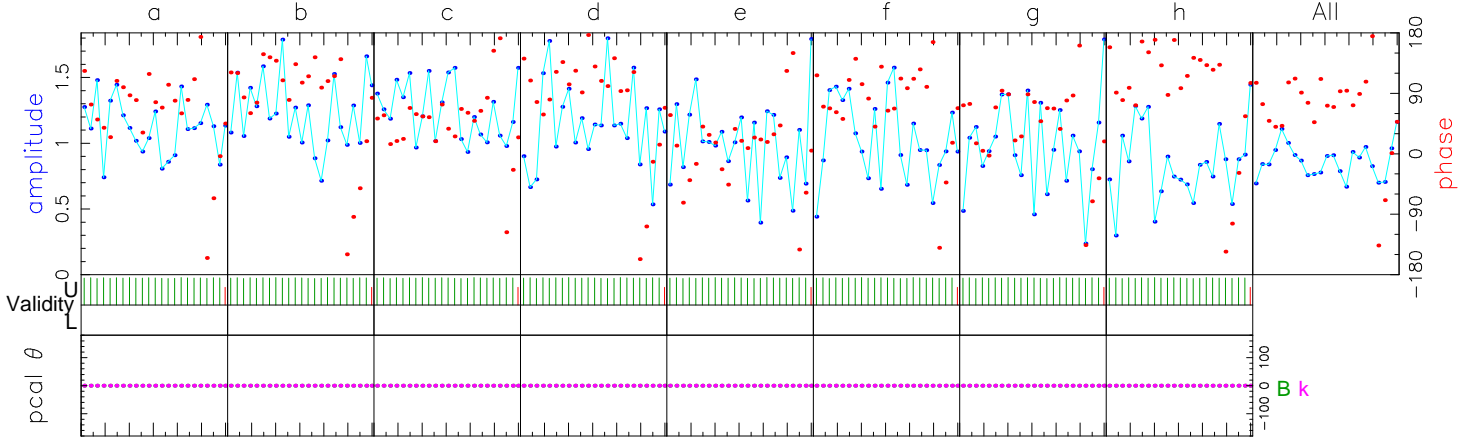
ph/seg (deg)	44.6	Theor.	48.8	Amplitude	0.116 +/- 0.021	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-1.000	1.000
amp/seg (%)	70.9		85.2	Search (2048X32)	0.108	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		mb window (us)	-0.008	0.008
ph/frq (deg)	21.0		28.8	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	dr window (ns/s)	-0.011	0.011
amp/frq (%)	28.9		50.3	Inc. seg. avg.	0.107	Sample rate(MISamp/s): 128		ion window (TEC)	0.00	0.00
				Inc. frq. avg.	0.108	Data rate(Mb/s): 2048	nlags: 256	t_cohere infinite		

B: az 284.8 el 45.4 pa 55.3 k: az 61.4 el 47.0 pa -85.5 u,v (fr/asec) 11182.537 3052.399 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/Bk..193QBF Output file: /Exps/c201d/v1/1234/No0057/Bk.W.62.193QBF



Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec



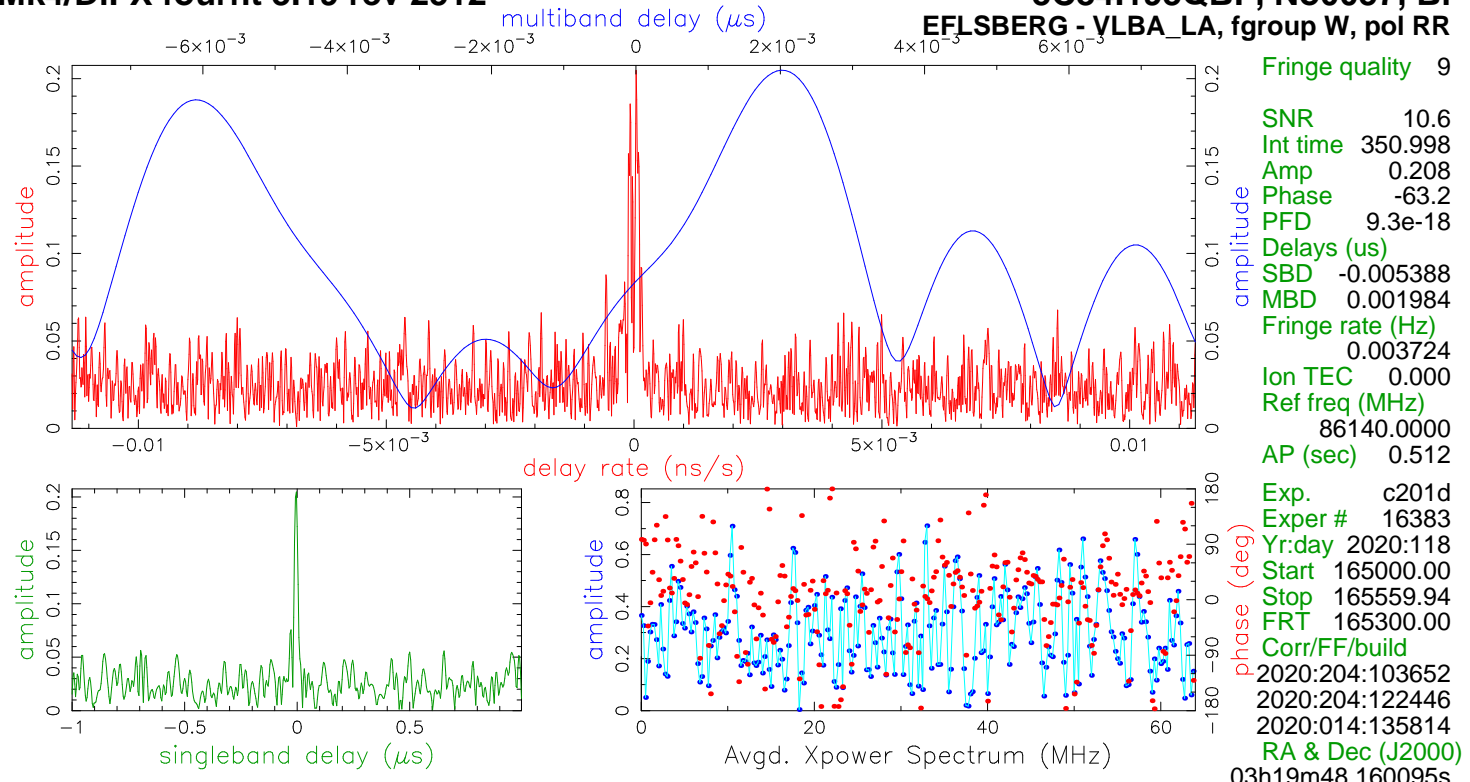
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
80.5	111.8	49.1	107.3	8.8	83.8	52.7	123.6	123.6	Phase	78.1
0.7	0.8	0.9	0.8	0.7	0.7	0.7	0.6	0.6	Ampl.	0.7
257.8	257.1	257.4	257.7	257.7	257.8	257.9	258.5	258.5	Sbd box	257.2
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	APs used	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
k	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
B:k	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
B:k	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
k	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
B	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
k	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	

Group delay (usec)(sbd)	-6.73602247908E+02	Apriori delay (usec)	-6.73609566480E+02	Resid mbdelay (usec)	7.31857E-03	+/-	3.4E-05
Sband delay (usec)	-6.73608705480E+02	Apriori clock (usec)	1.3365585E+01	Resid sbdelay (usec)	8.61000E-04	+/-	2.7E-04
Phase delay (usec)	-6.73609563962E+02	Apriori clockrate (us/s)	-2.0540000E-07	Resid phdelay (usec)	2.51808E-06	+/-	1.2E-07
Delay rate (us/s)	-1.45748218814E+00	Apriori rate (us/s)	-1.45748214161E+00	Resid rate (us/s)	-4.65267E-08	+/-	5.6E-10
Total phase (deg)	57.7	Apriori accel (us/s/s)	2.18182697896E-05	Resid phase (deg)	78.1	+/-	3.6

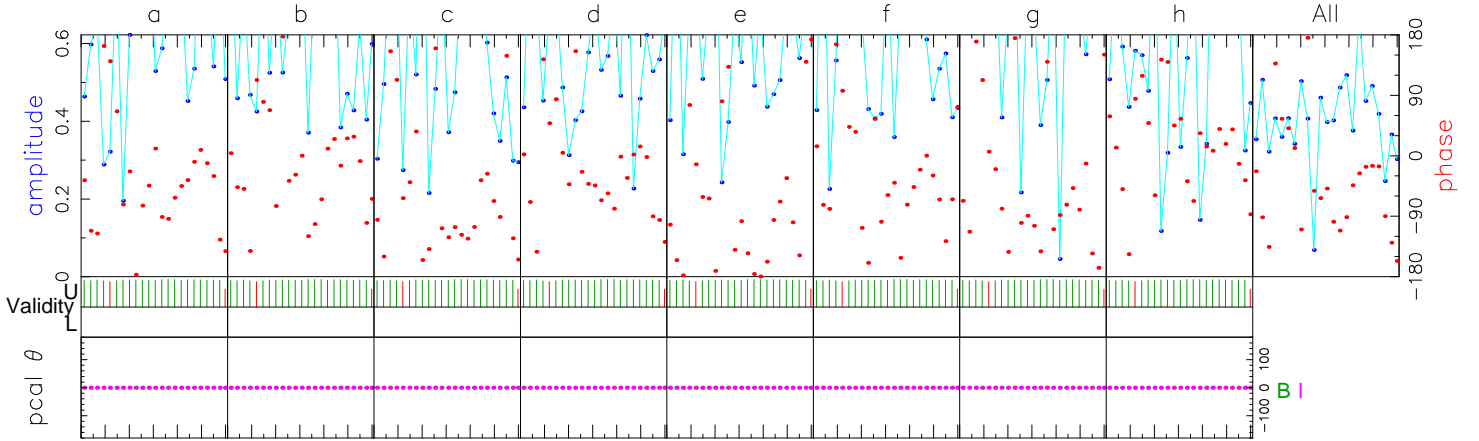
ph/seg (deg)	55.2	RMS	55.2	Theor.	8.7	Amplitude	0.613 +/- 0.019	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5
amp/seg (%)	45.1	Search (2048X32)	0.607	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000	SampCntNorm:	enabled	mb window (us)	-0.008 0.008
ph/frq (deg)	41.6	Inc. seg. avg.	0.852	Sample rate (MSamp/s):	128	dr window (ns/s)	-0.011 0.011	Data rate (Mb/s):	2048	ion window (TEC)	0.00 0.00
amp/frq (%)	26.2	Inc. frq. avg.	0.736	nlags:	256	t_cohere	infinite				

B: az 284.8 el 45.4 pa 55.3 k: az 61.4 el 47.0 pa -85.5 u,v (fr/asec) 11182.537 3052.399 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/Bk..193QBF Output file: /Exps/c201d/v1/1234/No0057/Bk.W.7.193QBF



Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec

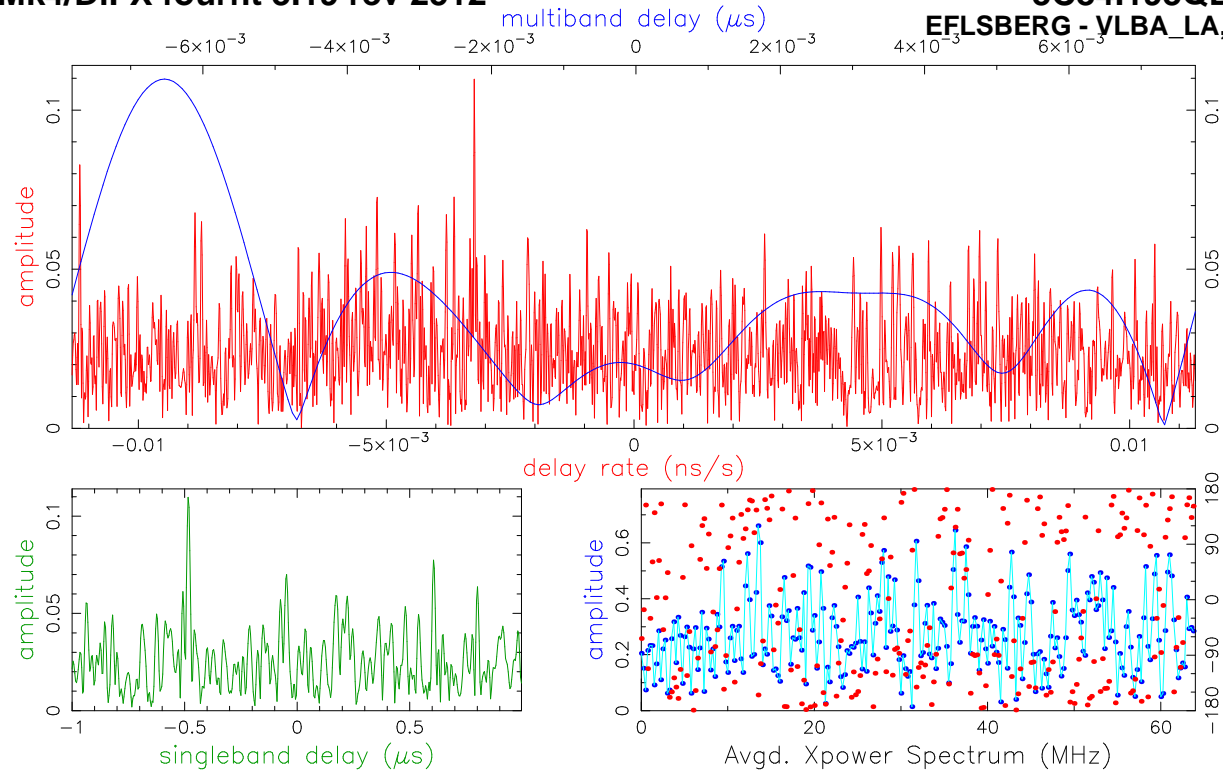


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-57.6	-21.8	-119.7	-41.6	-137.8	-46.7	-114.0	10.4	Phase	-63.2
	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	Ampl.	0.3
	256.0	255.6	256.4	256.3	256.6	256.0	257.0	256.7	Sbd box	255.6
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	APs used	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
I	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
B:I	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
B:I	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
I	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
I	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	
									Tracks	
Group delay (usec)(sbd)	-2.01565062492E+03		Apriori delay (usec)	-2.01565260900E+03	Resid mbdelay (usec)	1.98408E-03	+/-	1.0E-04		
Sband delay (usec)	-2.01565799675E+03		Apriori clock (usec)	1.6755497E+01	Resid sbdelay (usec)	-5.38775E-03	+/-	8.1E-04		
Phase delay (usec)	-2.01565261104E+03		Apriori clockrate (us/s)	-4.8999999E-08	Resid phdelay (usec)	-2.03690E-06	+/-	3.5E-07		
Delay rate (us/s)	-1.36645365591E+00		Apriori rate (us/s)	-1.36645369914E+00	Resid rate (us/s)	4.32355E-08	+/-	1.7E-09		
Total phase (deg)		-329.3	Apriori accel (us/s/s)	2.48312086431E-05	Resid phase (deg)	-63.2	+/-	10.8		

	RMS	Theor.	Amplitude	0.208 +/- 0.020	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5
ph/seg (deg)	67.4	25.8	Search (2048X32)	0.205	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us) -1.000 1.000
amp/seg (%)	109.9	45.1	Interp.	0.000	Bits/sample: 2x2	mb window (us) -0.008 0.008
ph/frq (deg)	56.6	15.2	Inc. seg. avg.	0.368	Sample rate(MISamp/s): 128	dr window (ns/s) -0.011 0.011
amp/frq (%)	49.8	26.6	Inc. frq. avg.	0.297	Data rate(Mb/s): 2048	ion window (TEC) 0.00 0.00

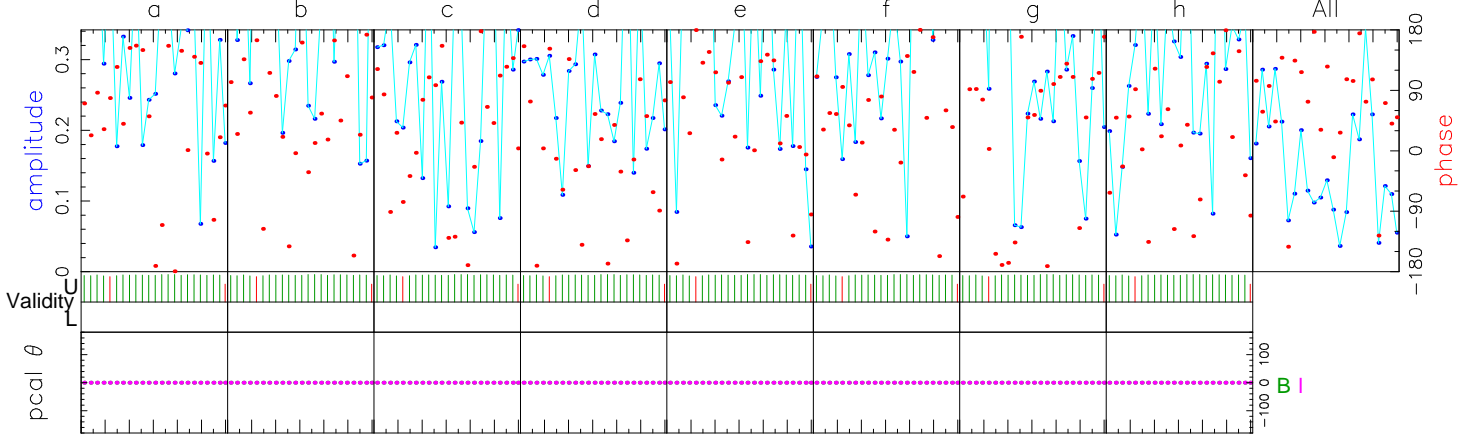
B: az 284.8 el 45.4 pa 55.3 I: az 66.2 el 52.6 pa -83.2 u,v (fr/asec) 10490.048 2900.544 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/BI..193QBF Output file: /Exps/c201d/v1/1234/No0057/BI.W.28.193QBF



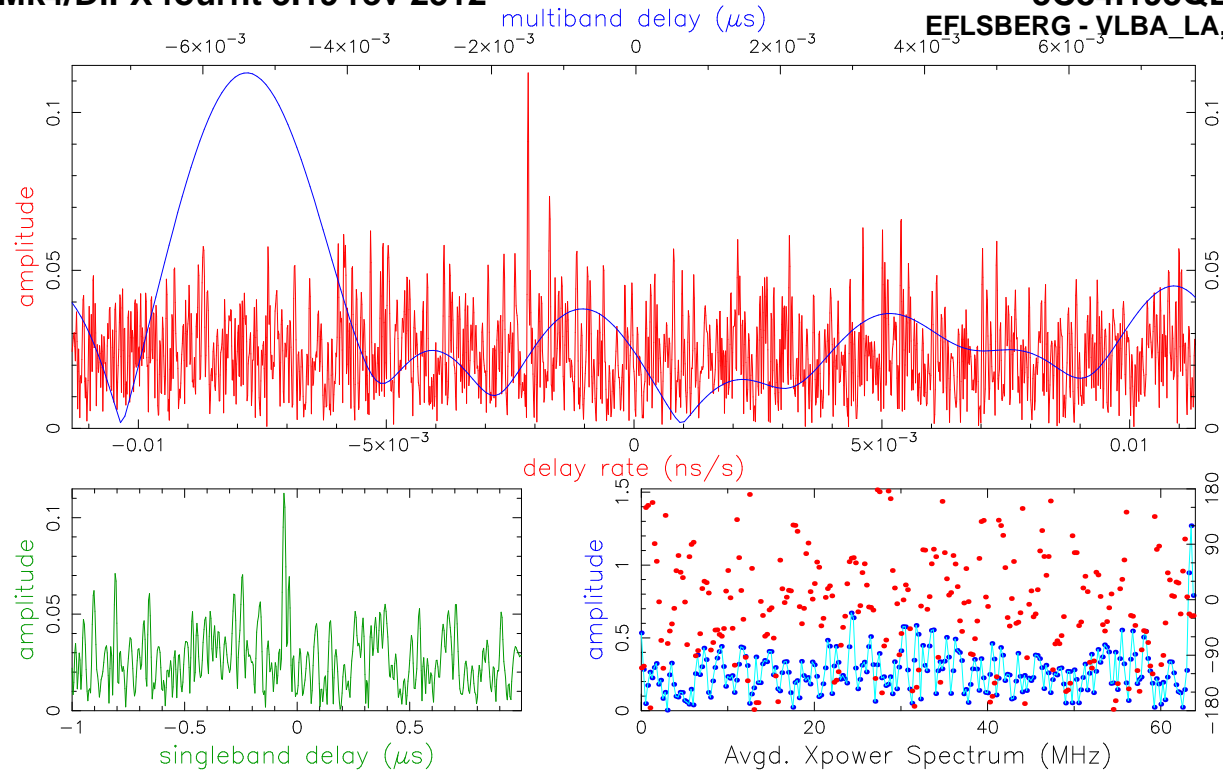
Fringe quality 0
SNR 5.6
Int time 350.998
Amp 0.114
Phase 92.8
PFD 9.8e-01
Delays (us)
SBD -0.483452
MBD -0.006508
Fringe rate (Hz)
-0.278385
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512
Exp. c201d
Exper # 16383
Yr:day 2020:118
Start 165000.00
Stop 165559.94
FRT 165300.00
Corr/FF/build
2020:204:103652
2020:204:122450
2020:014:135814
RA & Dec (J2000)
03h19m48.160095s
+41°30'42.104042"

Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec



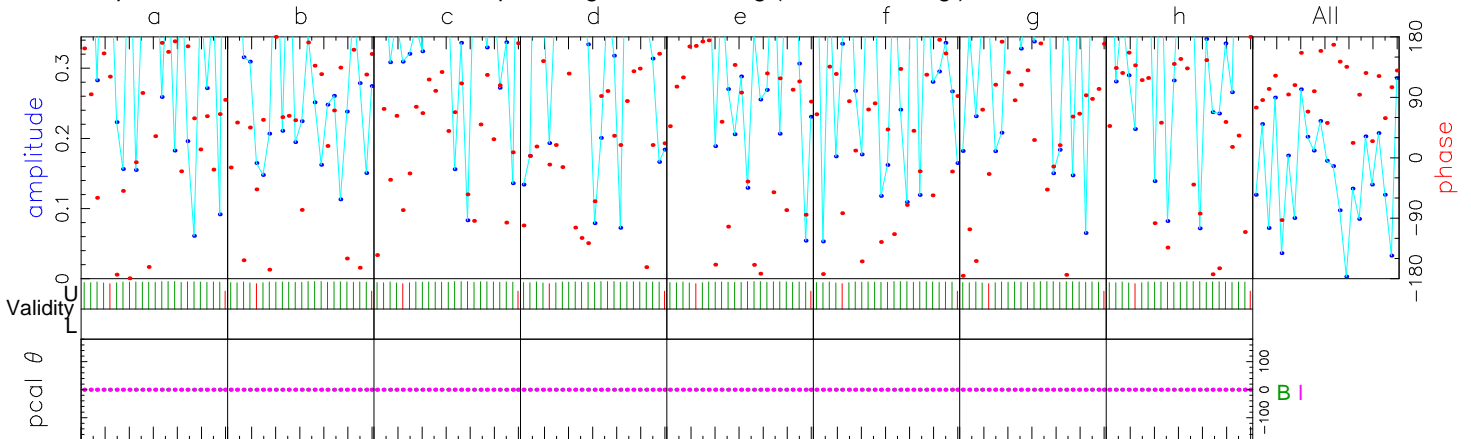
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0		
B	1000	1000	1000	1000	1000	1000	1000	1000		
B:I	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
B	1000	1000	1000	1000	1000	1000	1000	1000		
I	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		
I	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		
Group delay (usec)(sbd)	-2.01614349189E+03									
Sband delay (usec)	-2.01613606125E+03									
Phase delay (usec)	-2.01565260601E+03									
Delay rate (us/s)	-1.36645693092E+00									
Total phase (deg)			-173.3							
Apriori delay (usec)										
Apriori clock (usec)										
Apriori clockrate (us/s)										
Apriori rate (us/s)										
Apriori accel (us/s/s)										
Resid mbdelay (usec)										
Resid sbdelay (usec)										
Resid phdelay (usec)										
Resid rate (us/s)										
Resid phase (deg)									92.8	+/- 20.3
Pcal mode: MANUAL, MANUAL										
Pcal rate: 0.000E+00, 0.000E+00 (us/s)										
Bits/sample: 2x2										
Sample rate(MISamp/s): 128										
Data rate(Mb/s): 2048										
nlags: 256										
t_cohere infinite										
sb window (us)										
mb window (us)										
dr window (ns/s)										
ion window (TEC)										

ph/seg (deg) 60.3 48.6 Search (2048X32) 0.108 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 84.1 84.9 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 27.8 28.7 Inc. seg. avg. 0.117 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 48.8 50.1 Inc. frq. avg. 0.109 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite dr window (ns/s) -0.011 0.011
 B: az 284.8 el 45.4 pa 55.3 I: az 66.2 el 52.6 pa -83.2 u,v (fr/asec) 10490.048 2900.544 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/BI..193QBF Output file: /Exps/c201d/v1/1234/No0057/BI.W.47.193QBF



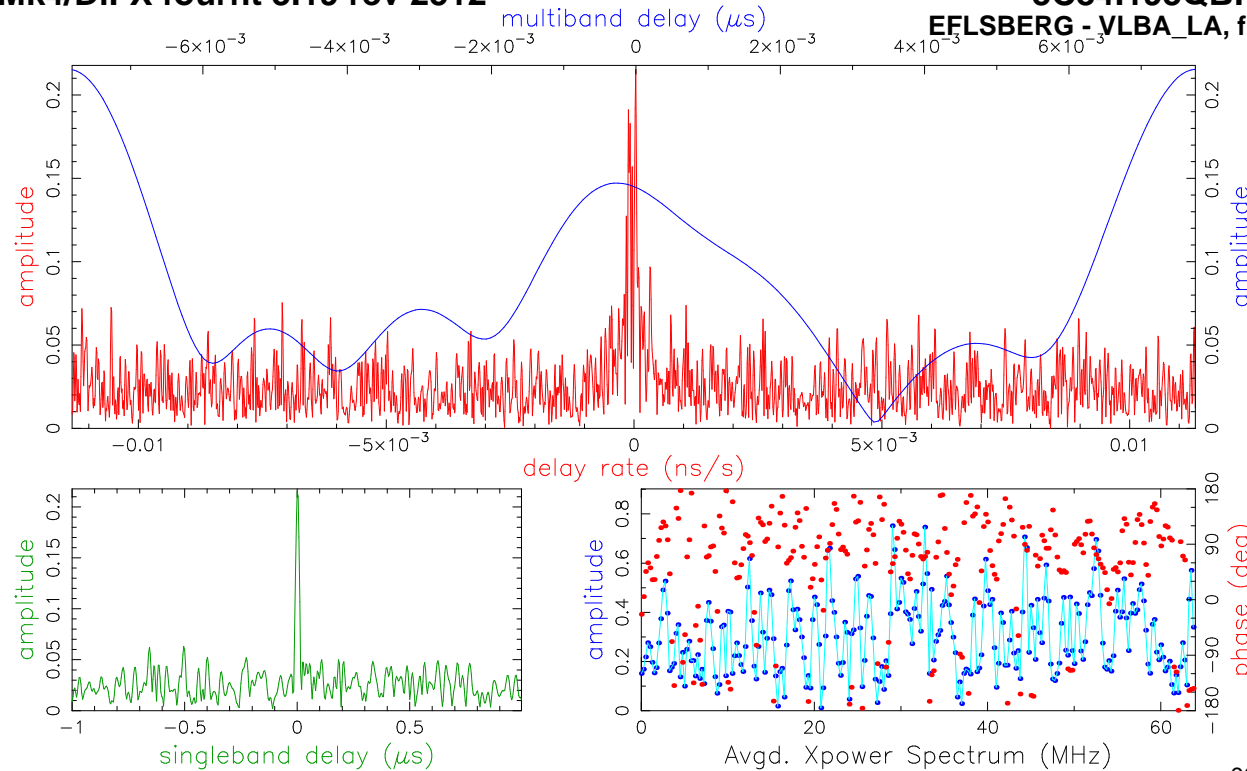
Fringe quality 0
SNR 5.8
Int time 350.998
Amp 0.115
Phase 107.3
PFD 8.1e-01
Delays (us)
SBD -0.057705
MBD -0.005402
Fringe rate (Hz)
-0.184314
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512
Exp. c201d
Exper # 16383
Yr:day 2020:118
Start 165000.00
Stop 165559.94
FRT 165300.00
Corr/FF/build
2020:204:103652
2020:204:122454
2020:014:135814
RA & Dec (J2000)
03h19m48.160095s
+41°30'42.104042"

Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec



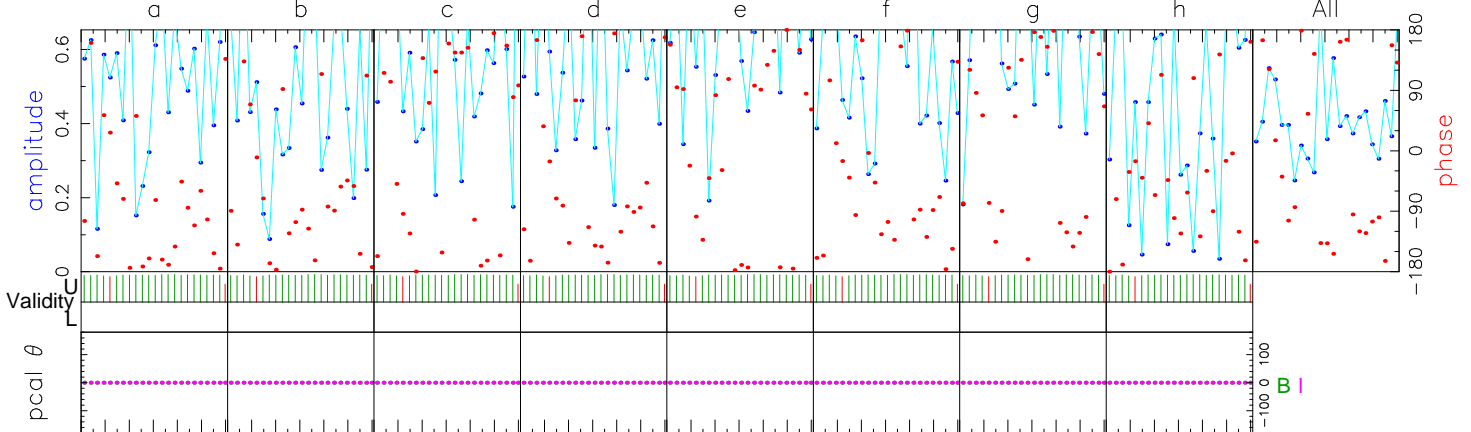
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0		
B	1000	1000	1000	1000	1000	1000	1000	1000		
B:I	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
B	1000	1000	1000	1000	1000	1000	1000	1000		
I	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		
I	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		
Group delay (usec)(sbd)	-2.01570488610E+03									
Sband delay (usec)	-2.01571031425E+03									
Phase delay (usec)	-2.01565260554E+03									
Delay rate (us/s)	-1.36645583885E+00									
Total phase (deg)			-158.9							
Apriori delay (usec)										
Apriori clock (usec)										
Apriori clockrate (us/s)										
Apriori rate (us/s)										
Apriori accel (us/s/s)										
Resid mbdelay (usec)										
Resid sbdelay (usec)										
Resid phdelay (usec)										
Resid rate (us/s)										
Resid phase (deg)										
Pcal mode: MANUAL, MANUAL										
Pcal rate: 0.000E+00, 0.000E+00 (us/s)										
Bits/sample: 2x2										
Sample rate(MISamp/s): 128										
Data rate(Mb/s): 2048										
nlags: 256										
t_cohere infinite										
sb window (us)										
mb window (us)										
dr window (ns/s)										
ion window (TEC)										

ph/seg (deg) 51.1 47.4 Search (2048X32) 0.110 0.110 PC period (AP's) 5, 5
amp/seg (%) 73.3 82.7 Interp. 0.000 0.110 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
ph/frq (deg) 23.8 27.9 Inc. seg. avg. 0.113 0.113 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
amp/frq (%) 25.1 48.8 Inc. frq. avg. 0.108 0.108 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite dr window (ns/s) -0.011 0.011
B: az 284.8 el 45.4 pa 55.3 I: az 66.2 el 52.6 pa -83.2 u,v (fr/asec) 10490.048 2900.544 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite ion window (TEC) 0.00 0.00
Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/BI..193QBF Output file: /Exps/c201d/v1/1234/No0057/BI.W.67.193QBF simultaneous interpolator



Fringe quality 9
SNR 11.2
Int time 350.998
Amp 0.218
Phase -154.2
PFD 3.1e-20
Delays (us)
SBD 0.001441
MBD -0.007820
Fringe rate (Hz) 0.003334
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.512
Exp. c201d
Exper # 16383
Yr:day 2020:118
Start 165000.00
Stop 165559.94
FRT 165300.00
Corr/FF/build 2020:204:103652
2020:204:122442
2020:014:135814
RA & Dec (J2000) 03h19m48.160095s +41°30'42.104042"

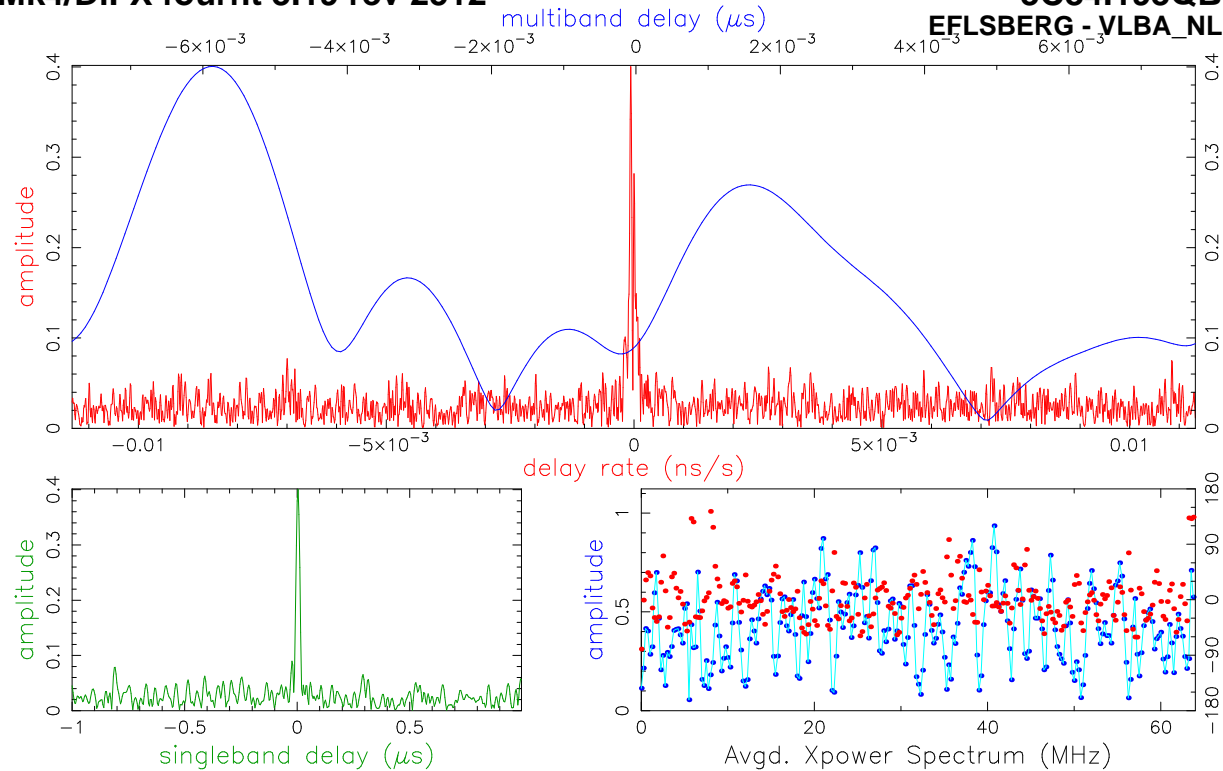
Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0		
B	1000	1000	1000	1000	1000	1000	1000	1000		
B:I	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
B	1000	1000	1000	1000	1000	1000	1000	1000		
I	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		
I	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		

Group delay (usec)(sbd)	-2.01564480425E+03	Apriori delay (usec)	-2.01565260900E+03	Resid mbdelay (usec)	-7.82025E-03	+/-	9.7E-05
Sband delay (usec)	-2.01565116825E+03	Apriori clock (usec)	1.6755497E+01	Resid sbdelay (usec)	1.44075E-03	+/-	7.7E-04
Phase delay (usec)	-2.01565261397E+03	Apriori clockrate (us/s)	-4.8999999E-08	Resid phdelay (usec)	-4.97303E-06	+/-	3.3E-07
Delay rate (us/s)	-1.36645366044E+00	Apriori rate (us/s)	-1.36645369914E+00	Resid rate (us/s)	3.87078E-08	+/-	1.6E-09
Total phase (deg)	-60.4	Apriori accel (us/s/s)	2.48312086431E-05	Resid phase (deg)	-154.2	+/-	10.3

ph/seg (deg)	68.5	Theor.	24.6	Amplitude	0.218 +/- 0.020	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5		
amp/seg (%)	103.8		43.0	Search (2048X32)	0.209	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000		
ph/frq (deg)	49.1		14.5	Interp.	0.000	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.008 0.008	
amp/frq (%)	42.5		25.4	Inc. seg. avg.	0.379	Sample rate(MISamp/s):	128	ion window (ns/s)	-0.011 0.011		
				Inc. frq. avg.	0.274	Data rate(Mb/s):	2048	nlags: 256	t_cohere infinite	ion window (TEC)	0.00 0.00

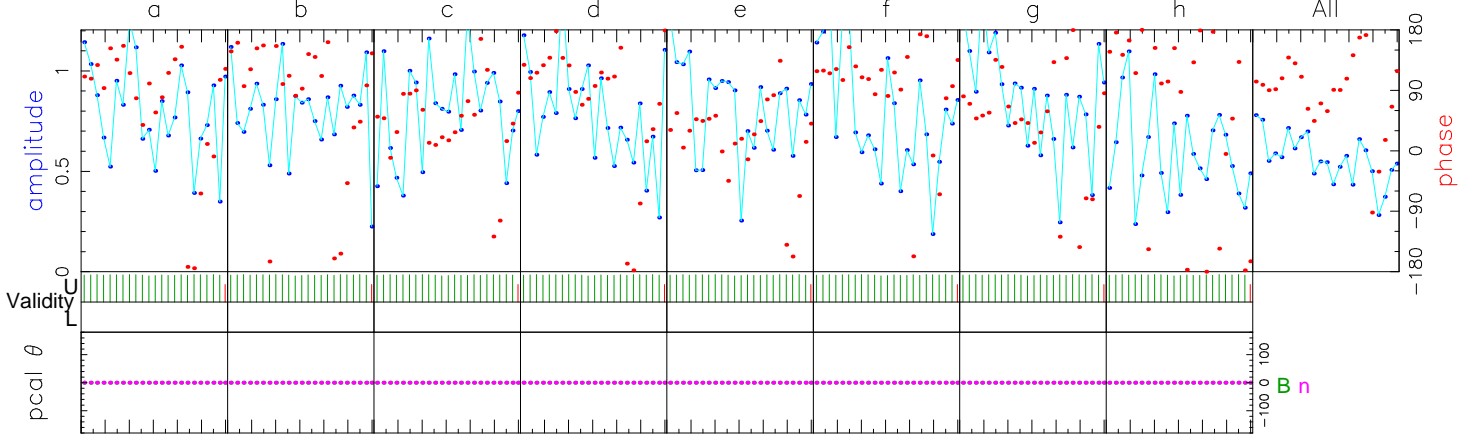


Fringe quality 8

SNR 20.6
Int time 353.434
Amp 0.402
Phase 100.5
PFD 0.0e+00
Delays (us)
SBD 0.003161
MBD -0.005901
Fringe rate (Hz)
-0.005331
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

Exp. c201d
Exper # 16383
Yr:day 2020:118
Start 165000.00
Stop 165559.94
FRT 165300.00
Corr/FF/build
2020:204:103652
2020:204:122442
2020:014:135814
RA & Dec (J2000)
03h19m48.160095s
+41°30'42.104042"

Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec

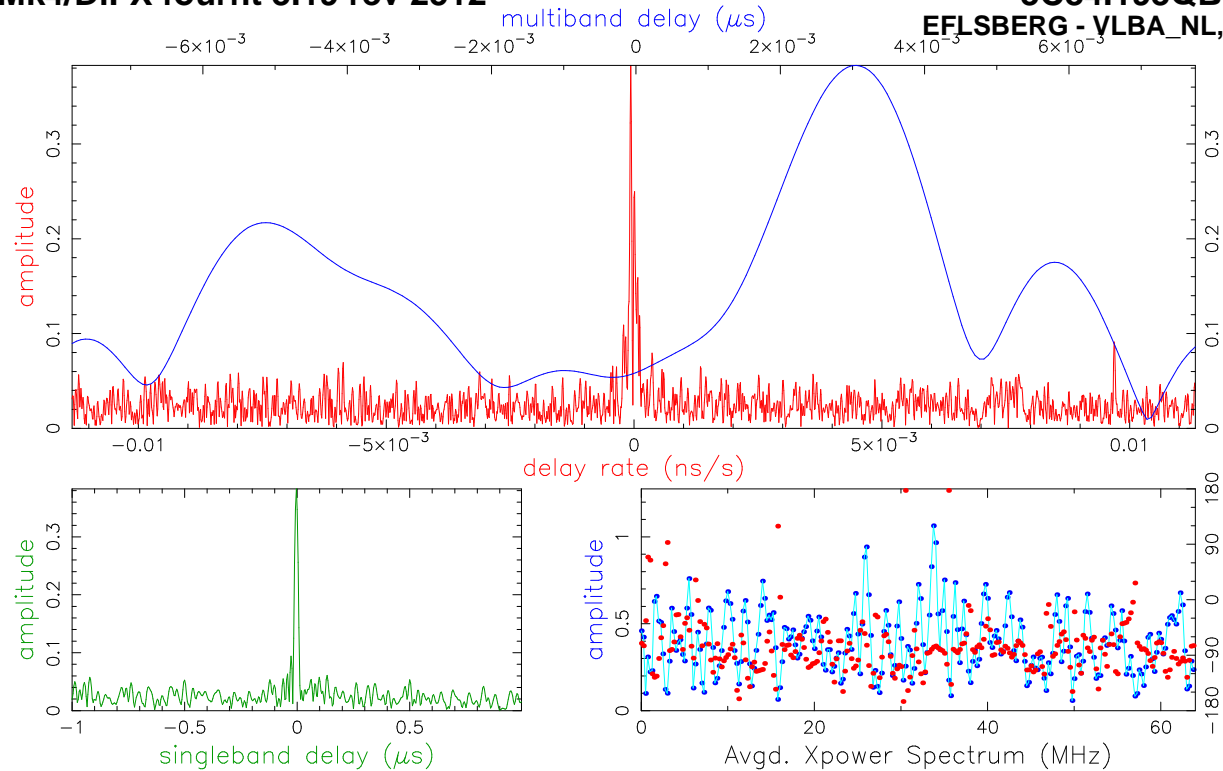


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	111.2	128.9	50.0	121.4	28.5	120.2	69.6	158.8	Phase	100.5
B	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.4	Ampl.	0.5
n	258.1	257.8	257.9	258.4	258.4	258.5	258.1	258.6	Sbd box	257.8
B	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	APs used	
n	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
B:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
B:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
n	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
n	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	-4.43150727310E+03		Apriori delay (usec)		-4.43151699672E+03		Resid mbdelay (usec)		-5.90138E-03	+/- 5.3E-05
Sband delay (usec)	-4.43151383547E+03		Apriori clock (usec)		-1.9300268E+01		Resid sbdelay (usec)		3.16125E-03	+/- 4.2E-04
Phase delay (usec)	-4.43151699348E+03		Apriori clockrate (us/s)		-5.3399998E-07		Resid phdelay (usec)		3.24199E-06	+/- 1.8E-07
Delay rate (us/s)	-1.14064325534E+00		Apriori rate (us/s)		-1.14064319346E+00		Resid rate (us/s)		-6.18847E-08	+/- 8.6E-10
Total phase (deg)	65.3		Apriori accel (us/s/s)		3.13911090119E-05		Resid phase (deg)		100.5	+/- 5.6

	RMS	Theor.	Amplitude	0.402 +/- 0.019	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-1.000 1.000
ph/seg (deg)	57.9	13.3	Search (2048X32)	0.389	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		mb window (us)	-0.008 0.008
amp/seg (%)	50.1	23.2	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	dr window (ns/s)	-0.011 0.011
ph/frq (deg)	48.0	7.8	Inc. seg. avg.	0.549	Sample rate(MISamp/s): 128		ion window (TEC)	0.00 0.00
amp/frq (%)	32.3	13.7	Inc. frq. avg.	0.514	Data rate(Mb/s): 2048	nlags: 256 t_cohere infinite		

B: az 284.8 el 45.4 pa 55.3 n: az 79.2 el 65.3 pa -78.1 u,v (fr/asec) 8770.374 2829.991 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/Bn..193QBF Output file: /Exps/c201d/v1/1234/No0057/Bn.W.11.193QBF

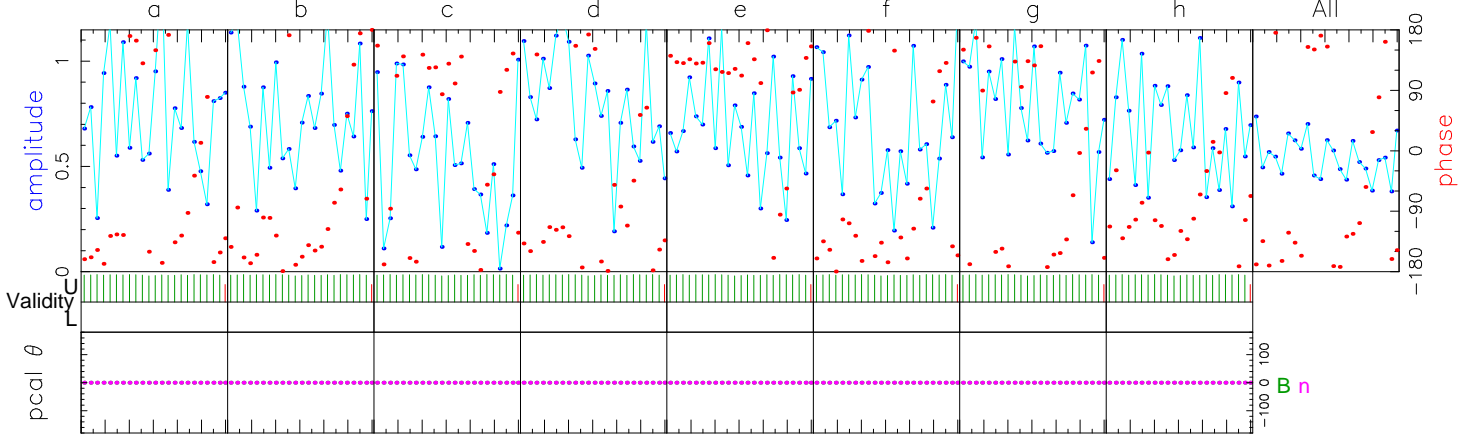


Fringe quality 8

SNR 19.7
Int time 353.433
Amp 0.383
Phase -163.7
PFD 0.0e+00
Delays (us)
SBD -0.003972
MBD 0.003043
Fringe rate (Hz)
-0.005527
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

Exp. c201d
Exper # 16383
Yr:day 2020:118
Start 165000.00
Stop 165559.94
FRT 165300.00
Corr/FF/build
2020:204:103652
2020:204:122447
2020:014:135814
RA & Dec (J2000)
03h19m48.160095s
+41°30'42.104042"

Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0		
B	1000	1000	1000	1000	1000	1000	1000	1000		
n	1000	1000	1000	1000	1000	1000	1000	1000		
B:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
B:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
B	1000	1000	1000	1000	1000	1000	1000	1000		
n	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		
n	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		
Group delay (usec)(sbd)	-4.43151395326E+03									
Sband delay (usec)	-4.43152096872E+03									
Phase delay (usec)	-4.43151700200E+03									
Delay rate (us/s)	-1.14064325761E+00									
Total phase (deg)			-198.9							
Apriori delay (usec)										
Apriori clock (usec)										
Apriori clockrate (us/s)										
Apriori rate (us/s)										
Apriori accel (us/s/s)										
Resid mbdelay (usec)										
Resid sbdelay (usec)										
Resid phdelay (usec)										
Resid rate (us/s)										
Resid phase (deg)										
Pcal mode: MANUAL, MANUAL										
Pcal rate: 0.000E+00, 0.000E+00 (us/s)										
Bits/sample: 2x2										
Sample rate(MISamp/s): 128										
Data rate(Mb/s): 2048										
nlags: 256										
t_cohere infinite										
ion window (TEC)										
sb window (us)										
mb window (us)										
dr window (ns/s)										

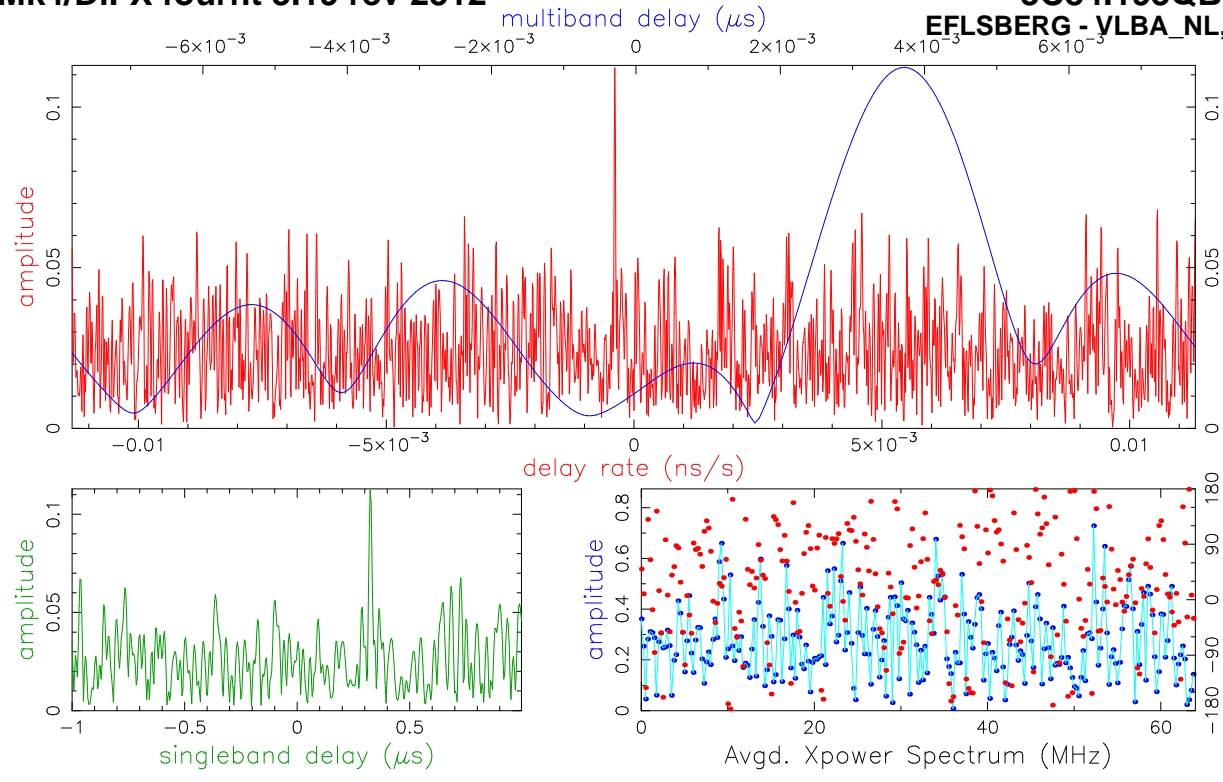
ph/seg (deg) 56.4 14.0
amp/seg (%) 48.7 24.4
ph/frq (deg) 43.4 8.2
amp/frq (%) 30.2 14.4

RMS Theor. Amplitude 0.383 +/- 0.019
Search (2048X32) 0.378
Interp. 0.000
Inc. seg. avg. 0.528
Inc. frq. avg. 0.469

Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
Sb window (us) -1.000 1.000
mb window (us) -0.008 0.008
dr window (ns/s) -0.011 0.011
ion window (TEC) 0.00 0.00

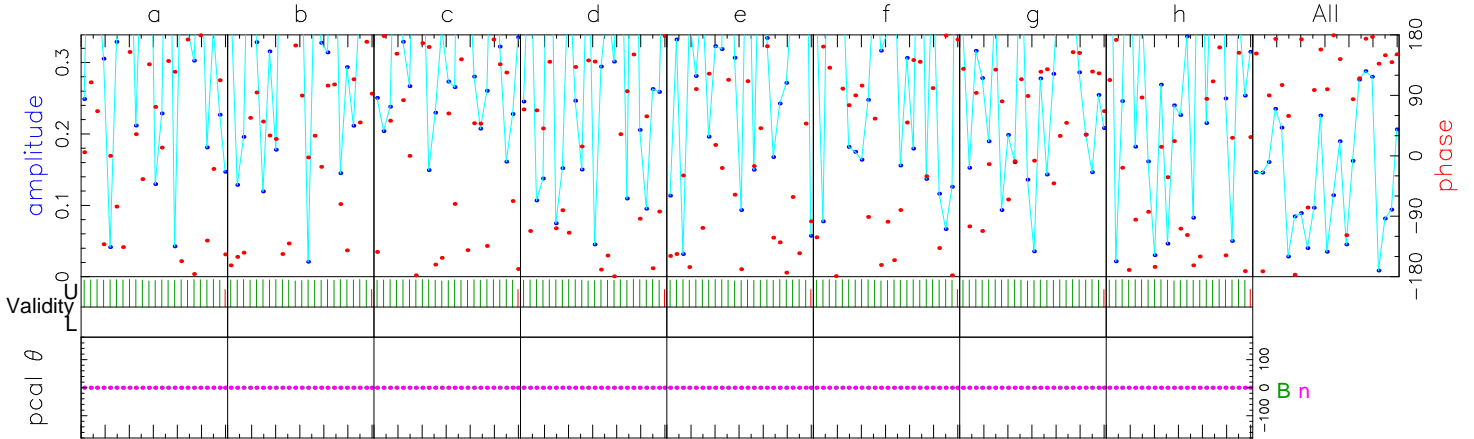
B: az 284.8 el 45.4 pa 55.3 n: az 79.2 el 65.3 pa -78.1 u,v (fr/asec) 8770.374 2829.991 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/Bn..193QBF Output file: /Exps/c201d/v1/1234/No0057/Bn.W.34.193QBF



Fringe quality 0
 SNR 5.8
 Int time 353.433
 Amp 0.113
 Phase 148.1
 PFD 8.0e-01
 Delays (us)
 SBD 0.325155
 MBD 0.003768
 Fringe rate (Hz)
 -0.033603
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512
 Exp. c201d
 Exper # 16383
 Yr:day 2020:118
 Start 165000.00
 Stop 165559.94
 FRT 165300.00
 Corr/FF/build
 2020:204:103652
 2020:204:122451
 2020:014:135814
 RA & Dec (J2000)
 03h19m48.160095s
 +41°30'42.104042"

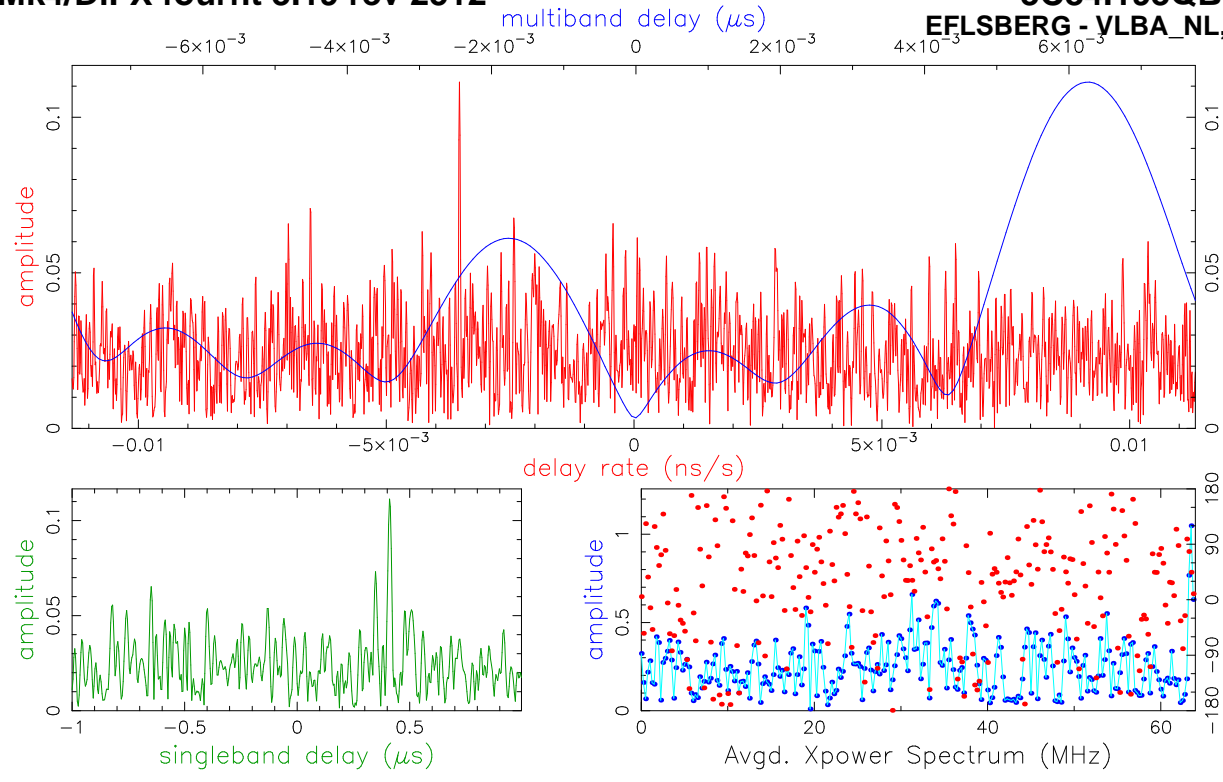
Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0		
B	1000	1000	1000	1000	1000	1000	1000	1000		
n	1000	1000	1000	1000	1000	1000	1000	1000		
B:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
B:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
B	1000	1000	1000	1000	1000	1000	1000	1000		
n	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		
n	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		
Group delay (usec)(sbd)	-4.43118510347E+03									
Sband delay (usec)	-4.43119184172E+03									
Phase delay (usec)	-4.43151699195E+03									
Delay rate (us/s)	-1.14064358356E+00									
Total phase (deg)			113.0							
Apriori delay (usec)										
Apriori clock (usec)										
Apriori clockrate (us/s)										
Apriori rate (us/s)										
Apriori accel (us/s/s)										
Resid mbdelay (usec)										
Resid sbdelay (usec)										
Resid phdelay (usec)										
Resid rate (us/s)										
Resid phase (deg)										

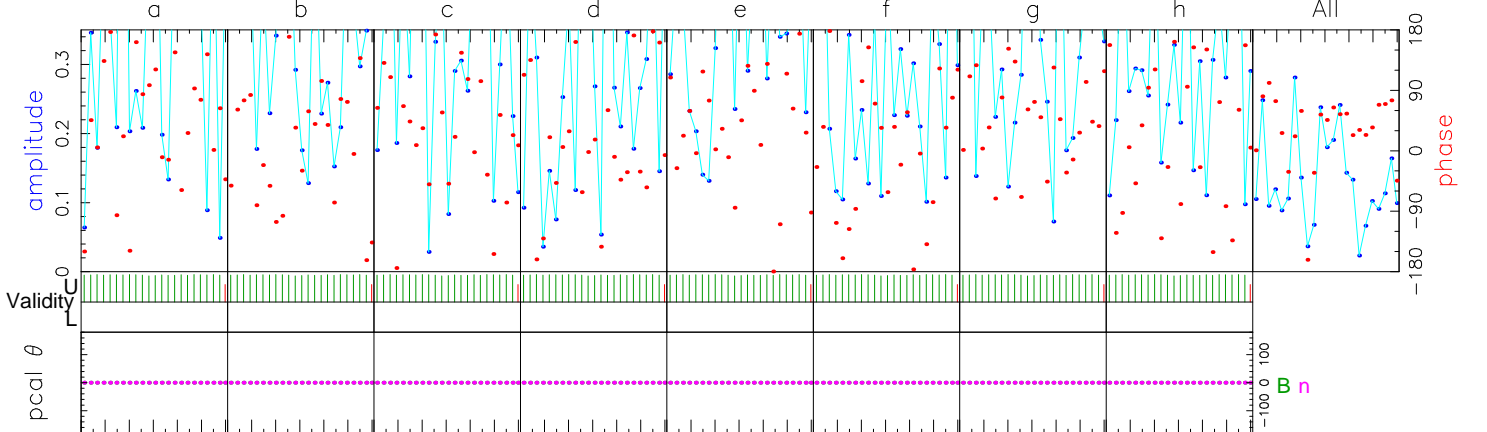
	RMS	Theor.	Amplitude	0.113 +/- 0.019	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5
ph/seg (deg)	50.3	47.3	Search (2048X32)	0.110	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us) -1.000 1.000
amp/seg (%)	78.4	82.6	Interp.	0.000	Bits/sample: 2x2	mb window (us) -0.008 0.008
ph/frq (deg)	27.5	27.9	Inc. seg. avg.	0.104	Sample rate(MISamp/s): 128	dr window (ns/s) -0.011 0.011
amp/frq (%)	35.9	48.7	Inc. frq. avg.	0.109	Data rate(Mb/s): 2048	ion window (TEC) 0.00 0.00

B: az 284.8 el 45.4 pa 55.3 n: az 79.2 el 65.3 pa -78.1 u,v (fr/asec) 8770.374 2829.991 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/Bn..193QBF Output file: /Exps/c201d/v1/1234/No0057/Bn.W.53.193QBF



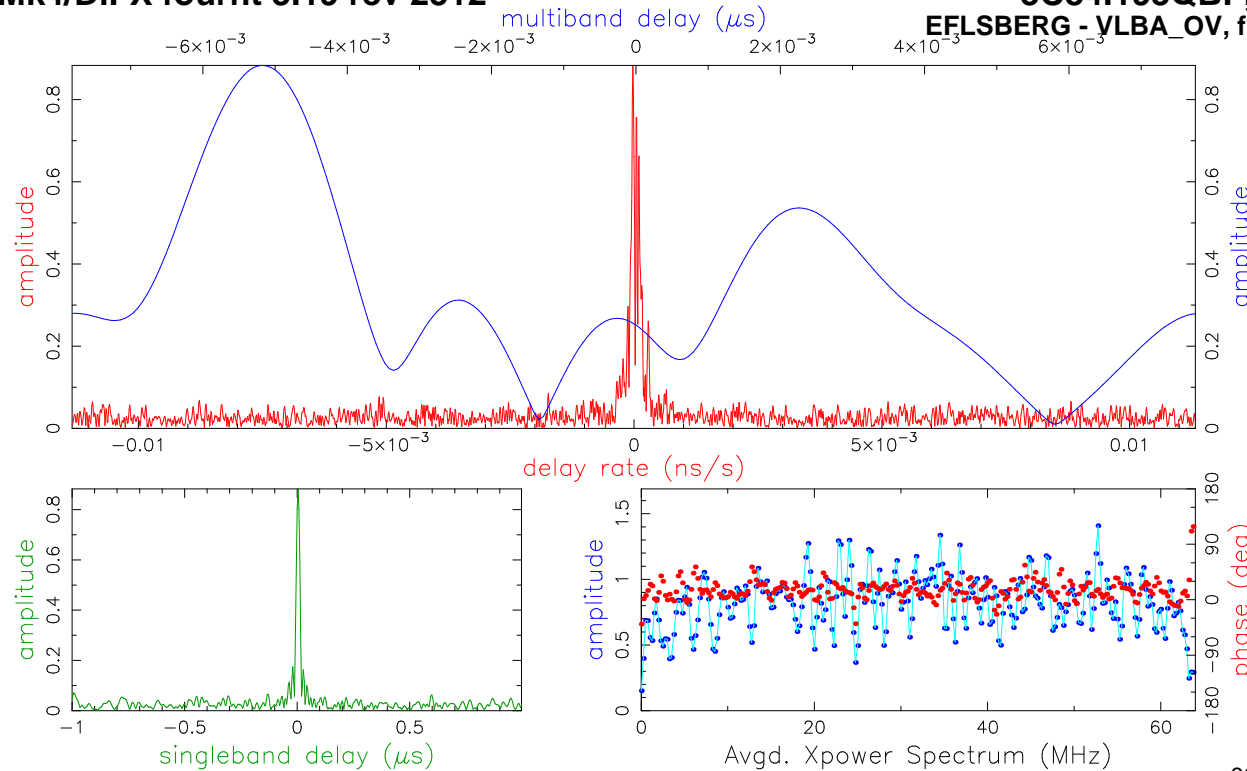
Fringe quality 0
 SNR 5.8
 Int time 353.434
 Amp 0.117
 Phase 47.7
 PFD 8.7e-01
 Delays (us)
 SBD 0.411286
 MBD 0.006272
 Fringe rate (Hz)
 -0.303922
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512
 Exp. c201d
 Exper # 16383
 Yr:day 2020:118
 Start 165000.00
 Stop 165559.94
 FRT 165300.00
 Corr/FF/build
 2020:204:103652
 2020:204:122455
 2020:014:135814
 RA & Dec (J2000)
 03h19m48.160095s
 +41°30'42.104042"

Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0		
B	1000	1000	1000	1000	1000	1000	1000	1000		
n	1000	1000	1000	1000	1000	1000	1000	1000		
B:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
B:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
B	1000	1000	1000	1000	1000	1000	1000	1000		
n	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		
n	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		
Group delay (usec)(sbd)	-4.43110447506E+03				-4.43151699672E+03				6.27166E-03	+/- 1.9E-04
Sband delay (usec)	-4.43110571072E+03				-1.9300268E+01				4.11286E-01	+/- 1.5E-03
Phase delay (usec)	-4.43151699518E+03				-5.3399998E-07				1.53978E-06	+/- 6.4E-07
Delay rate (us/s)	-1.14064672169E+00				-1.14064319346E+00				-3.52823E-06	+/- 3.1E-09
Total phase (deg)			12.6		3.13911090119E-05				47.7	+/- 19.9
pcal mode:	MANUAL, MANUAL		PC period (AP's) 5, 5							
pcal rate:	0.000E+00, 0.000E+00 (us/s)		sb window (us)		-1.000		1.000			
Bits/sample:	2x2		SampCntNorm: enabled		mb window (us)		-0.008		0.008	
Sample rate (MSamp/s):	128		dr window (ns/s)		-0.011		0.011			
Data rate (Mb/s):	2048		nlags: 256		t_cohere infinite		ion window (TEC)		0.00	

B: az 284.8 el 45.4 pa 55.3 n: az 79.2 el 65.3 pa -78.1 u,v (fr/asec) 8770.374 2829.991 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/Bn..193QBF Output file: /Exps/c201d/v1/1234/No0057/Bn.W.71.193QBF

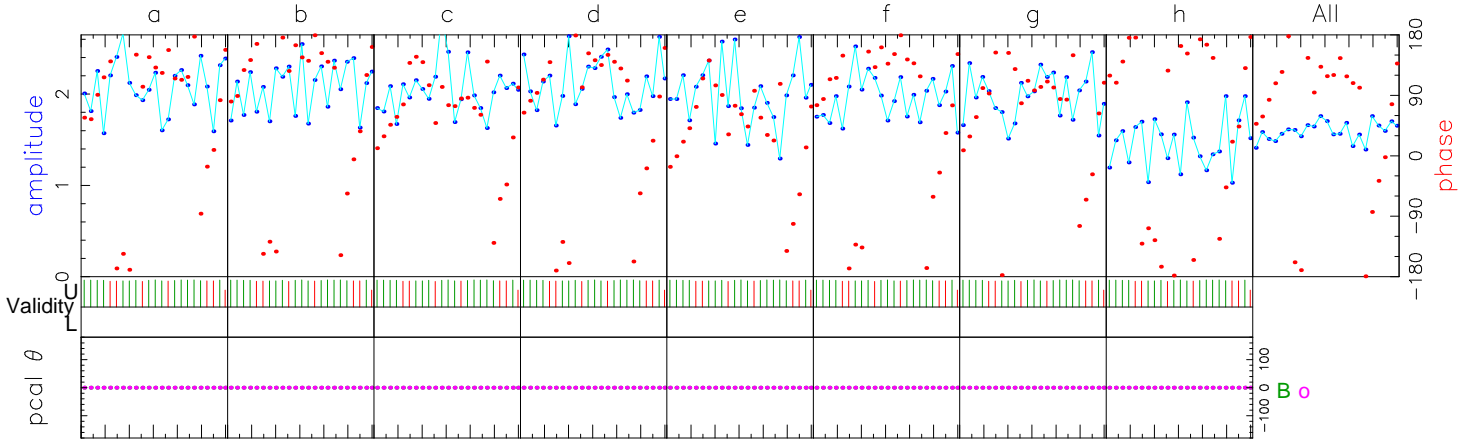


Fringe quality 4

SNR 44.9
Int time 345.499
Amp 0.883
Phase 119.2
PFD 0.0e+00
Delays (us)
SBD 0.003861
MBD -0.005175
Fringe rate (Hz)
-0.002212
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

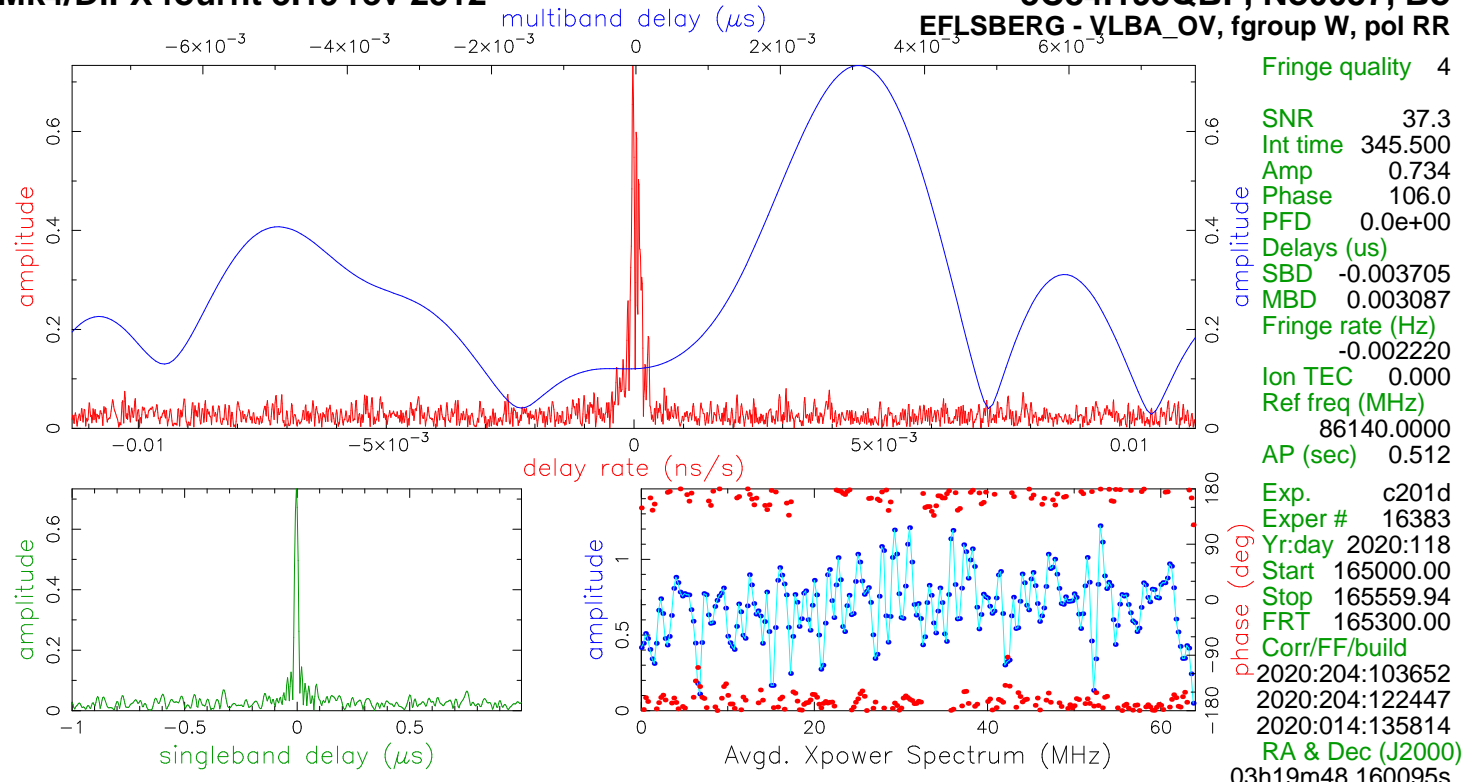
Exp. c201d
Exper # 16383
Yr:day 2020:118
Start 165000.00
Stop 165559.94
FRT 165300.00
Corr/FF/build
2020:204:103652
2020:204:122443
2020:014:135814
RA & Dec (J2000)
03h19m48.160095s
+41°30'42.104042"

Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec

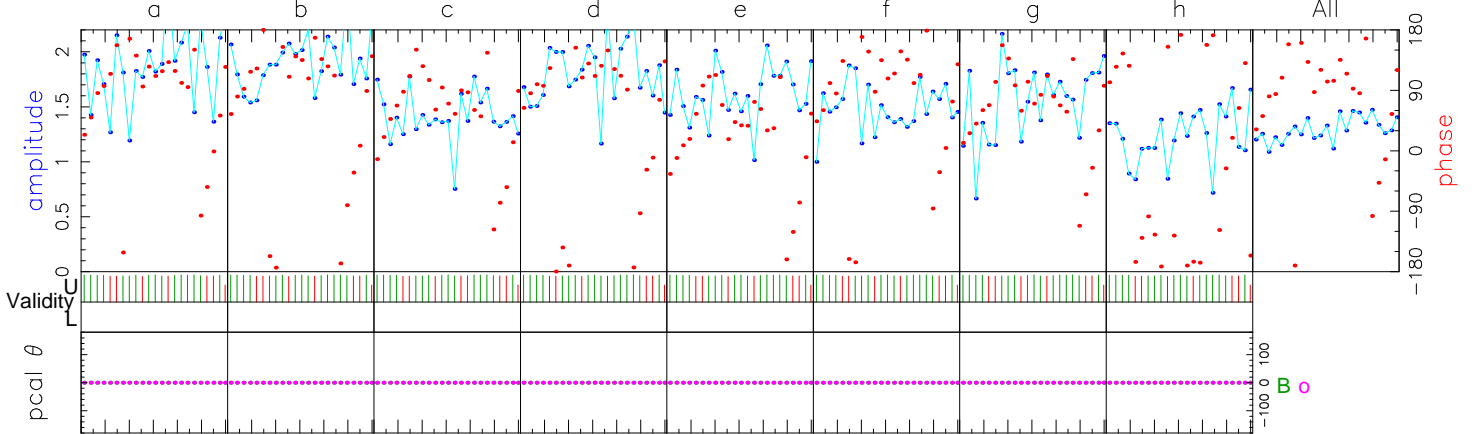


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
130.2	152.9	76.7	132.4	53.4	144.4	94.6	170.9	170.9	Phase	119.2
1.1	1.2	1.2	1.2	1.1	1.1	1.1	0.8	0.8	Ampl.	1.1
258.4	257.8	258.1	258.7	258.7	258.4	258.5	259.1	259.1	Sbd box	258.0
U/L 703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	APs used	
B 1000	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
o 1000	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
B:o 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
B:o 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
B 1000	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
o 1000	1000	1000	1000	1000	1000	1000	1000	1000		
B W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	W07UL	Chan ids	
o W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	W07UL	Tracks	
									Tracks	
Group delay (usec)(sbd)	-3.35322588233E+01		Apriori delay (usec)	-3.35427092808E+01		Resid mbdelay (usec)	-5.17454E-03		+/-	2.4E-05
Sband delay (usec)	-3.35388480308E+01		Apriori clock (usec)	-7.0843277E+00		Resid sbdelay (usec)	3.86125E-03		+/-	1.9E-04
Phase delay (usec)	-3.35427054368E+01		Apriori clockrate (us/s)	-4.0100001E-07		Resid phdelay (usec)	3.84397E-06		+/-	8.2E-08
Delay rate (us/s)	-1.46983828980E+00		Apriori rate (us/s)	-1.46983826412E+00		Resid rate (us/s)	-2.56788E-08		+/-	4.0E-10
Total phase (deg)		-232.7	Apriori accel (us/s/s)	1.26402382299E-05		Resid phase (deg)	119.2		+/-	2.6

ph/seg (deg) 65.5 6.1 Search (2048X32) 0.858 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
amp/seg (%) 81.0 10.7 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
ph/frq (deg) 43.7 3.6 Inc. seg. avg. 1.583 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
amp/frq (%) 27.5 6.3 Inc. frq. avg. 1.096 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite dr window (ns/s) -0.011 0.011
B: az 284.8 el 45.4 pa 55.3 o: az 65.0 el 44.4 pa -74.6 u,v (fr/asec) 11266.727 1910.671 simultaneous interpolator
Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/Bo..193QBF Output file: /Exps/c201d/v1/1234/No0057/Bo.W.14.193QBF



Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec

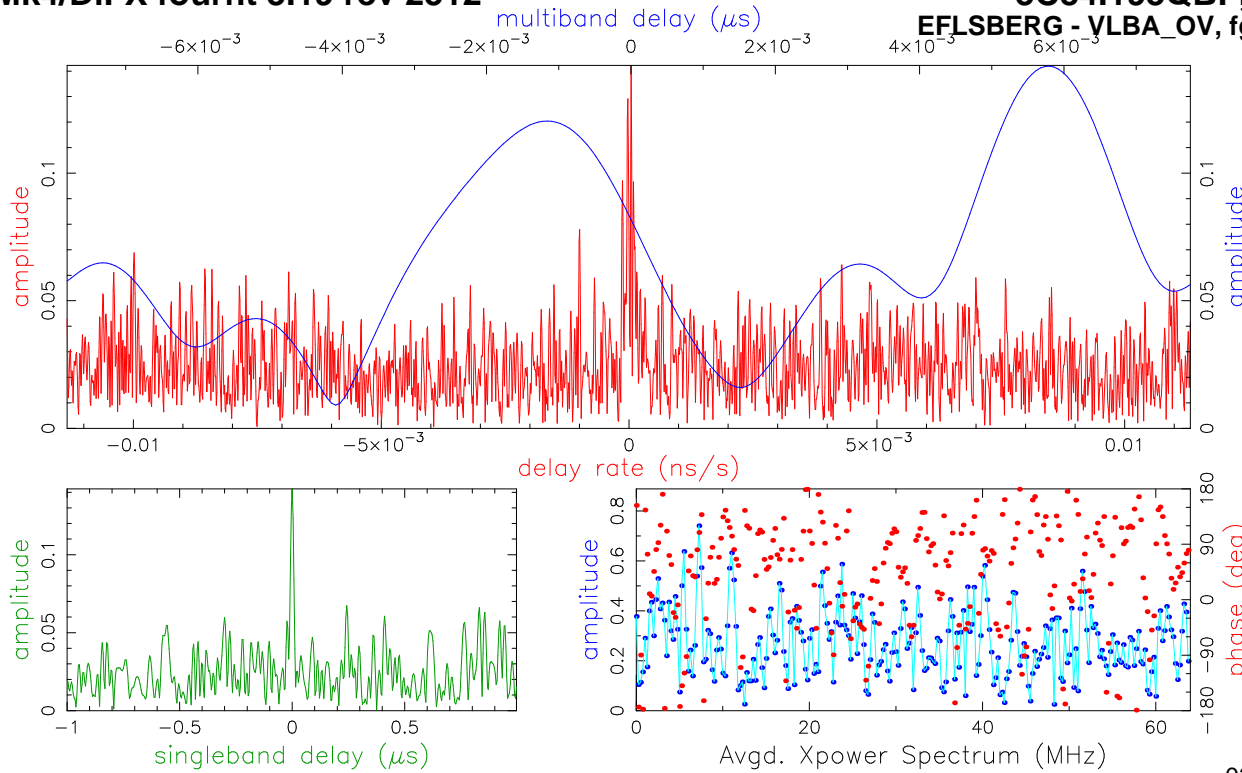


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
111.0	129.7	72.1	125.5	43.3	121.0	76.2	-179.5		Phase	106.0
1.1	1.1	0.8	1.1	0.9	0.8	0.9	0.6		Ampl.	0.9
256.2	255.7	256.5	256.3	256.7	256.5	257.2	257.5		Sbd box	256.1
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0		APs used	
B	1000	1000	1000	1000	1000	1000	1000		PC freqs	
o	1000	1000	1000	1000	1000	1000	1000		PC freqs	
B:o	0:0	0:0	0:0	0:0	0:0	0:0	0:0		PC phase	
B:o	0:0	0:0	0:0	0:0	0:0	0:0	0:0		Manl PC	
B	1000	1000	1000	1000	1000	1000	1000		PC amp	
o	1000	1000	1000	1000	1000	1000	1000			
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
o	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	-3.35396223233E+01		Apriori delay (usec)	-3.35427092808E+01		Resid mbdelay (usec)	3.08696E-03	+/-	2.9E-05	
Sband delay (usec)	-3.35464140308E+01		Apriori clock (usec)	-7.0843277E-07		Resid sbdelay (usec)	-3.70475E-03	+/-	2.3E-04	
Phase delay (usec)	-3.35427058628E+01		Apriori clockrate (us/s)	-4.0100001E-07		Resid phdelay (usec)	3.41798E-06	+/-	9.9E-08	
Delay rate (us/s)	-1.46983828990E+00		Apriori rate (us/s)	-1.46983826412E+00		Resid rate (us/s)	-2.57766E-08	+/-	4.8E-10	
Total phase (deg)		-245.9	Apriori accel (us/s/s)	1.26402382299E-05		Resid phase (deg)	106.0	+/-	3.1	

	RMS	Theor.	Amplitude	0.734 +/- 0.020	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-1.000	1.000
ph/seg (deg)	64.2	7.4	Search (2048X32)	0.717	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		mb window (us)	-0.008	0.008
amp/seg (%)	78.0	12.9	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	dr window (ns/s)	-0.011	0.011
ph/frq (deg)	46.0	4.3	Inc. seg. avg.	1.285	Sample rate(MISamp/s): 128		ion window (TEC)	0.00	0.00
amp/frq (%)	31.3	7.6	Inc. frq. avg.	0.903	Data rate(Mb/s): 2048	nlags: 256 t_cohere infinite			

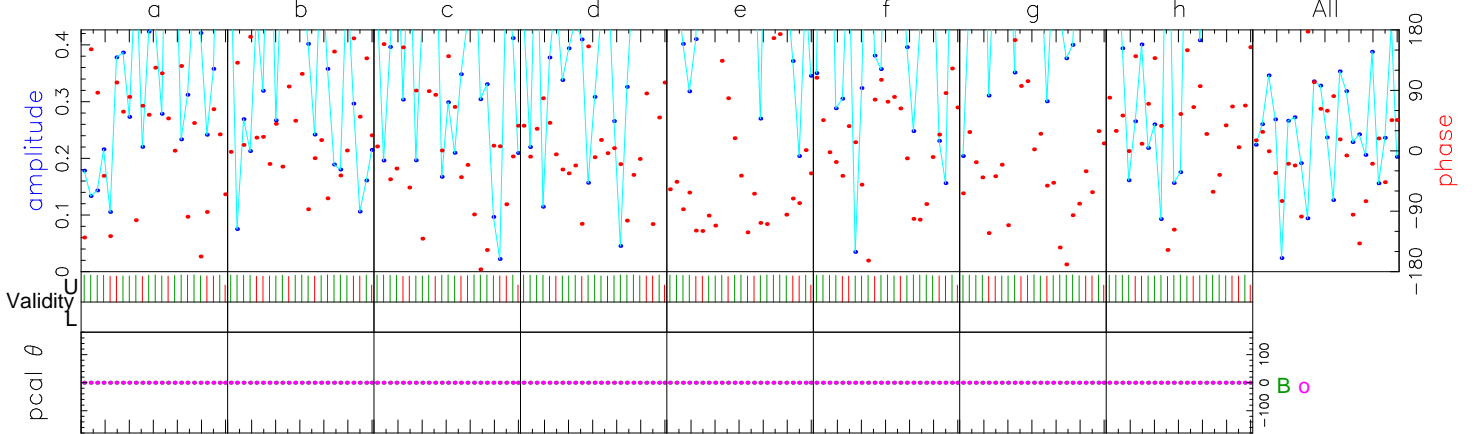
B: az 284.8 el 45.4 pa 55.3 o: az 65.0 el 44.4 pa -74.6 u,v (fr/asec) 11266.727 1910.671 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/Bo..193QBF Output file: /Exps/c201d/v1/1234/No0057/Bo.W.33.193QBF



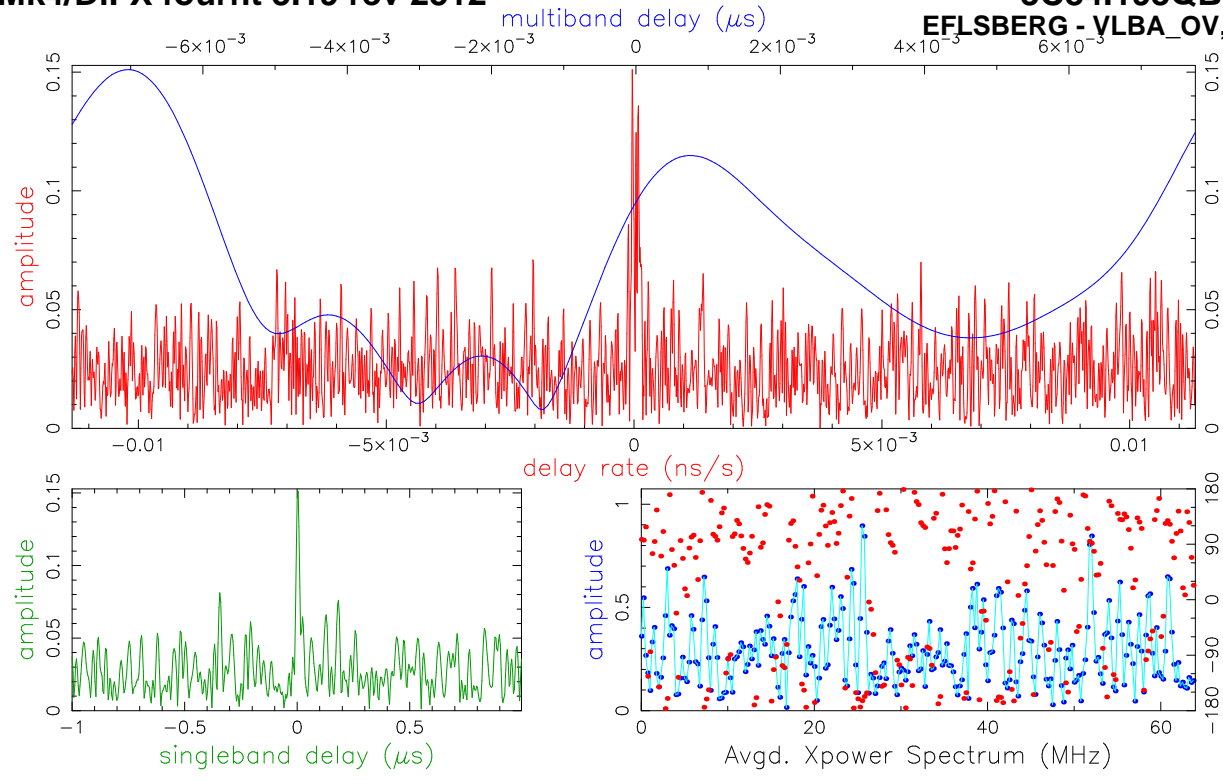
Fringe quality 0
SNR 7.2
Int time 345.500
Amp 0.142
Phase 3.7
PFD 1.5e-04
Delays (us)
SBD -0.000554
MBD 0.005776
Fringe rate (Hz) 0.003950
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.512
Exp. c201d
Yr:day 16383
Start 2020:118
Stop 2020:118
FRT 165300.00
Corr/FF/build 2020:204:103652
2020:204:122451
2020:014:135814
RA & Dec (J2000) 03h19m48.160095s +41°30'42.104042"

Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	47.1	16.6	-31.6	5.1	-90.4	41.2	-30.0	55.5	Phase	3.7
	0.1	0.2	0.1	0.3	0.3	0.2	0.2	0.2	Ampl.	0.2
	212.3	255.7	126.8	257.9	257.1	256.9	257.9	256.1	Sbd box	256.9
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	APs used	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
o	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
B:o	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
B:o	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
o	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
o	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	-3.35369329459E+01		Apriori delay (usec)		-3.35427092808E+01		Resid mbdelay (usec)		5.77634E-03	+/- 1.5E-04
Sband delay (usec)	-3.35432632808E+01		Apriori clock (usec)		-7.0843277E+00		Resid sbdelay (usec)		-5.54000E-04	+/- 1.2E-03
Phase delay (usec)	-3.35427091614E+01		Apriori clockrate (us/s)		-4.0100001E-07		Resid phdelay (usec)		1.19411E-07	+/- 5.1E-07
Delay rate (us/s)	-1.46983821827E+00		Apriori rate (us/s)		-1.46983826412E+00		Resid rate (us/s)		4.58515E-08	+/- 2.5E-09
Total phase (deg)	-348.2		Apriori accel (us/s/s)		1.26402382299E-05		Resid phase (deg)		3.7	+/- 15.9

ph/seg (deg) 71.3 38.0 Search (2048X32) 0.141 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 100.8 66.3 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 53.8 22.4 Inc. seg. avg. 0.205 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 61.6 39.1 Inc. frq. avg. 0.191 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite dr window (ns/s) -0.011 0.011
 B: az 284.8 el 45.4 pa 55.3 o: az 65.0 el 44.4 pa -74.6 u,v (fr/asec) 11266.727 1910.671 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/Bo..193QBF Output file: /Exps/c201d/v1/1234/No0057/Bo.W.50.193QBF

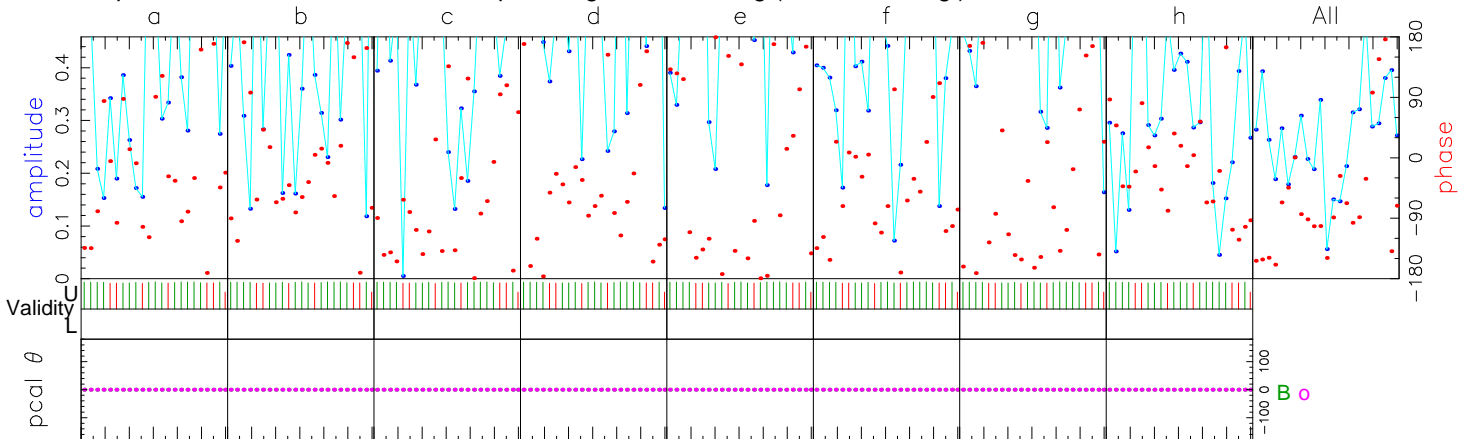


Fringe quality 9

SNR 7.8
Int time 345.499
Amp 0.153
Phase -106.3
PFD 2.6e-06
Delays (us)
SBD 0.002566
MBD -0.007076
Fringe rate (Hz)
-0.002499
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

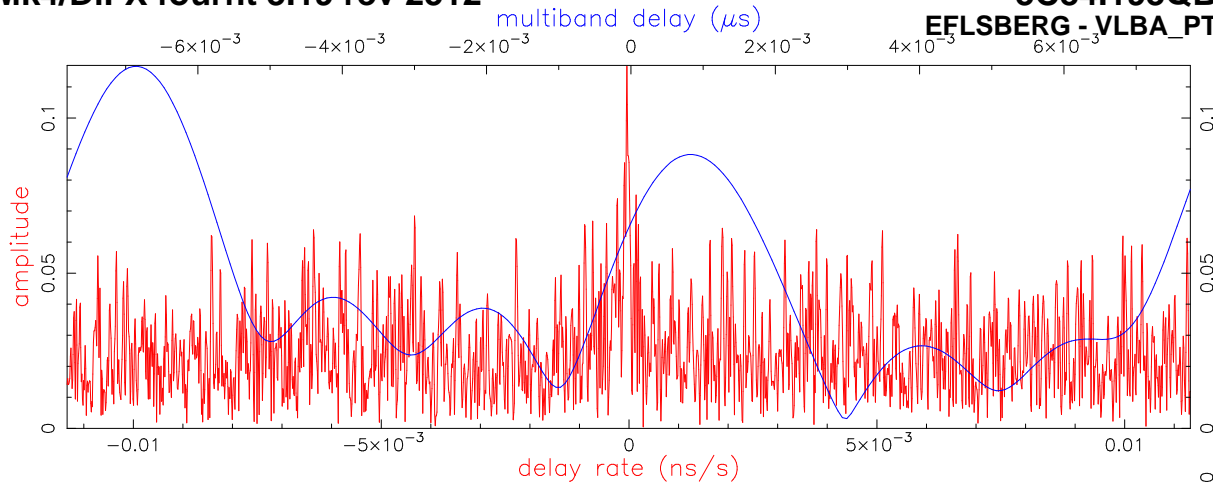
Exp. c201d
Exper # 16383
Yr:day 2020:118
Start 165000.00
Stop 165559.94
FRT 165300.00
Corr/FF/build
2020:204:103652
2020:204:122454
2020:014:135814
RA & Dec (J2000)
03h19m48.160095s
+41°30'42.104042"

Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec



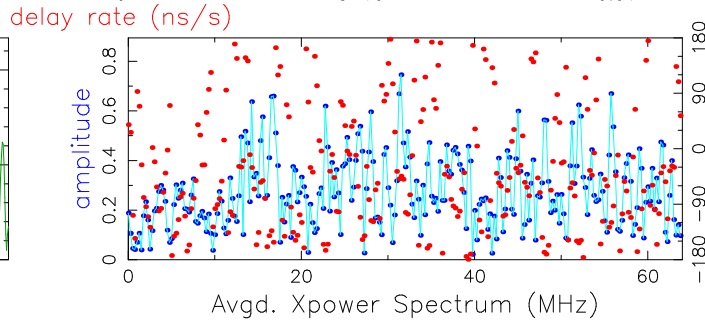
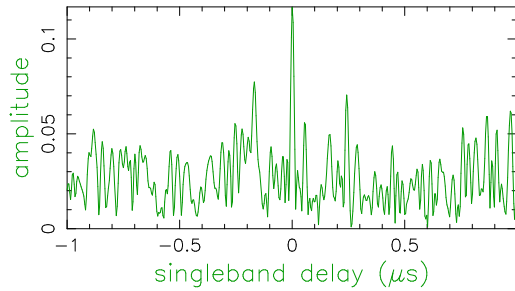
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-98.9	-64.4	-120.4	-102.3	-170.6	-54.5	-137.0	-22.5	Phase	-106.3
	0.1	0.2	0.2	0.3	0.3	0.2	0.3	0.2	Ampl.	0.2
	505.5	204.8	263.5	258.5	257.9	259.1	258.0	255.4	Sbd box	257.7
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	APs used	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
o	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
B:o	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
B:o	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
o	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
o	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	-3.35341598758E+01		Apriori delay (usec)		-3.35427092808E+01		Resid mbdelay (usec)		-7.07559E-03	+/- 1.4E-04
Sband delay (usec)	-3.35401430308E+01		Apriori clock (usec)		-7.0843277E+00		Resid sbdelay (usec)		2.56625E-03	+/- 1.1E-03
Phase delay (usec)	-3.35427127079E+01		Apriori clockrate (us/s)		-4.0100001E-07		Resid phdelay (usec)		-3.42711E-06	+/- 4.8E-07
Delay rate (us/s)	-1.46983829313E+00		Apriori rate (us/s)		-1.46983826412E+00		Resid rate (us/s)		-2.90076E-08	+/- 2.3E-09
Total phase (deg)			Apriori accel (us/s/s)		1.26402382299E-05		Resid phase (deg)		-106.3	+/- 14.7

ph/seg (deg) 61.5 35.4 Search (2048X32) 0.145 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 100.4 61.7 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 52.9 20.9 Inc. seg. avg. 0.228 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 56.8 36.4 Inc. frq. avg. 0.199 Data rate (Mbit/s): 2048 nlags: 256 t_cohere infinite dr window (ns/s) -0.011 0.011
 B: az 284.8 el 45.4 pa 55.3 o: az 65.0 el 44.4 pa -74.6 u,v (fr/asec) 11266.727 1910.671 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/Bo..193QBF Output file: /Exps/c201d/v1/1234/No0057/Bo.W.69.193QBF



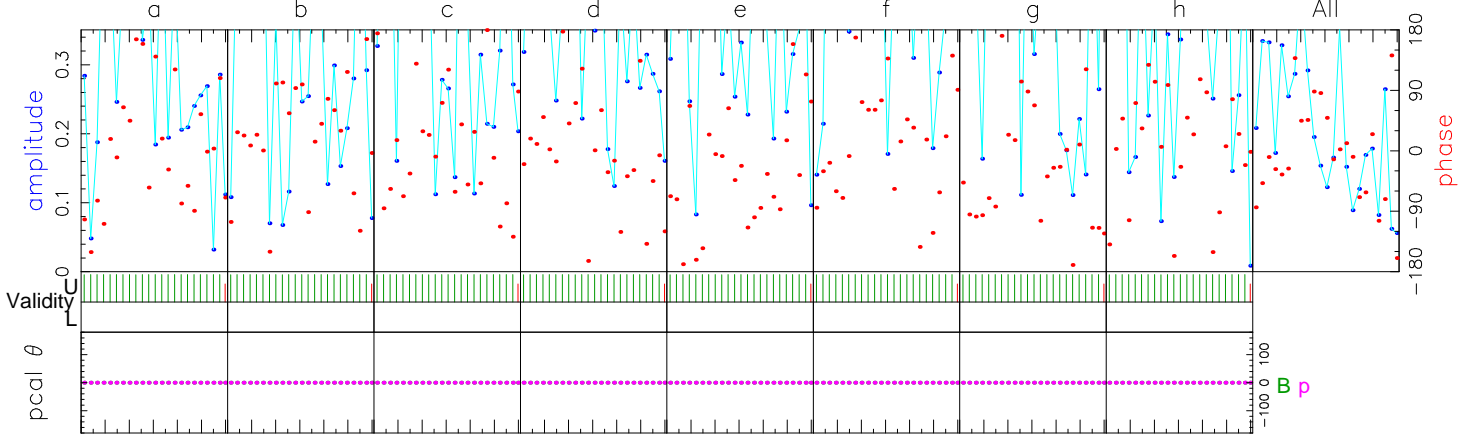
Fringe quality 0

SNR 6.1
Int time 358.819
Amp 0.117
Phase -5.4
PFD 3.0e-01
Delays (us)
SBD 0.000639
MBD -0.006836
Fringe rate (Hz)
-0.003749
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512



Exp. c201d
Exper # 16383
Yr:day 2020:118
Start 165000.00
Stop 165559.94
FRT 165300.00
Corr/FF/build
2020:204:103652
2020:204:122444
2020:014:135814
RA & Dec (J2000)
03h19m48.160095s
+41°30'42.104042"

Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec

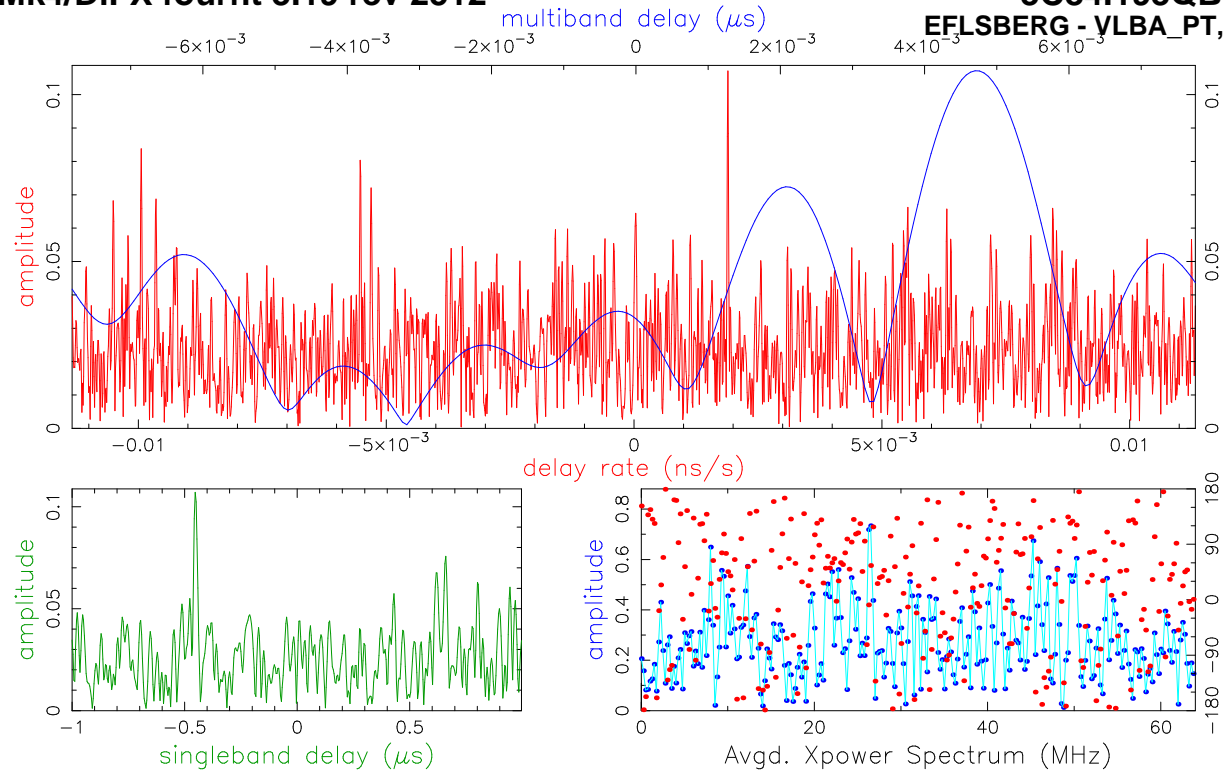


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	7.2	31.1	-44.4	14.3	-58.0	9.5	-59.1	37.4	Phase	-5.4
B	0.1	0.2	0.1	0.2	0.1	0.2	0.2	0.2	Ampl.	0.1
p	485.0	474.3	7.3	15.0	129.0	202.2	11.1	256.3	Sbd box	257.2
B	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	APs used	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
p	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
B:p	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
B:p	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
p	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
p	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	

Group delay (usec)(sbd)	-1.58033070248E+03	Apriori delay (usec)	-1.58032386671E+03	Resid mbdelay (usec)	-6.83577E-03	+/-	1.8E-04
Sband delay (usec)	-1.58032322721E+03	Apriori clock (usec)	-4.2760925E+00	Resid sbdelay (usec)	6.39500E-04	+/-	1.4E-03
Phase delay (usec)	-1.58032386688E+03	Apriori clockrate (us/s)	-4.0399999E-07	Resid phdelay (usec)	-1.73919E-07	+/-	6.1E-07
Delay rate (us/s)	-1.39999773434E+00	Apriori rate (us/s)	-1.39999769082E+00	Resid rate (us/s)	-4.35217E-08	+/-	2.9E-09
Total phase (deg)	-321.6	Apriori accel (us/s/s)	2.39785858261E-05	Resid phase (deg)	-5.4	+/-	18.9

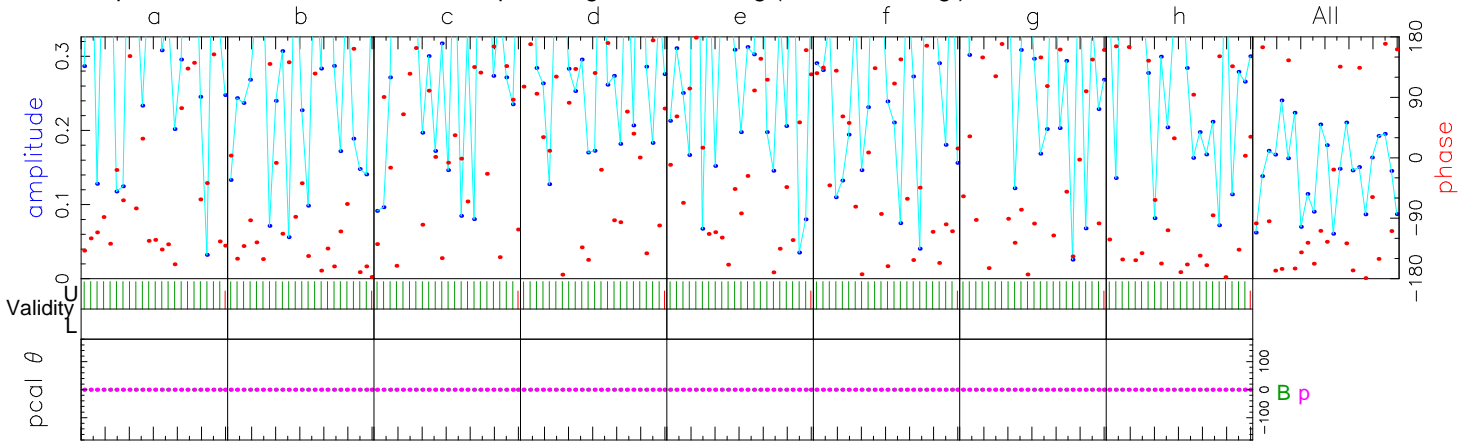
ph/seg (deg)	RMS 71.4	Theor. 45.4	Amplitude Search (2048X32)	0.117 +/- 0.019	0.116	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	
amp/seg (%)	117.5	79.2	Interp.	0.000	0.116	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us) -1.000 1.000	
ph/frq (deg)	43.0	26.8	Inc. seg. avg.	0.161	0.116	Bits/sample: 2x2	SampCntNorm: enabled	mb window (us) -0.008 0.008
amp/frq (%)	44.6	46.7	Inc. frq. avg.	0.135	0.116	Sample rate(MISamp/s): 128	dr window (ns/s) -0.011 0.011	
						Data rate(Mb/s): 2048	ion window (TEC) 0.00 0.00	

B: az 284.8 el 45.4 pa 55.3 p: az 64.2 el 50.6 pa -84.3 u,v (fr/asec) 10745.539 2978.704 simultaneous interpolator
Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/Bp..193QBF Output file: /Exps/c201d/v1/1234/No0057/Bp.W.15.193QBF



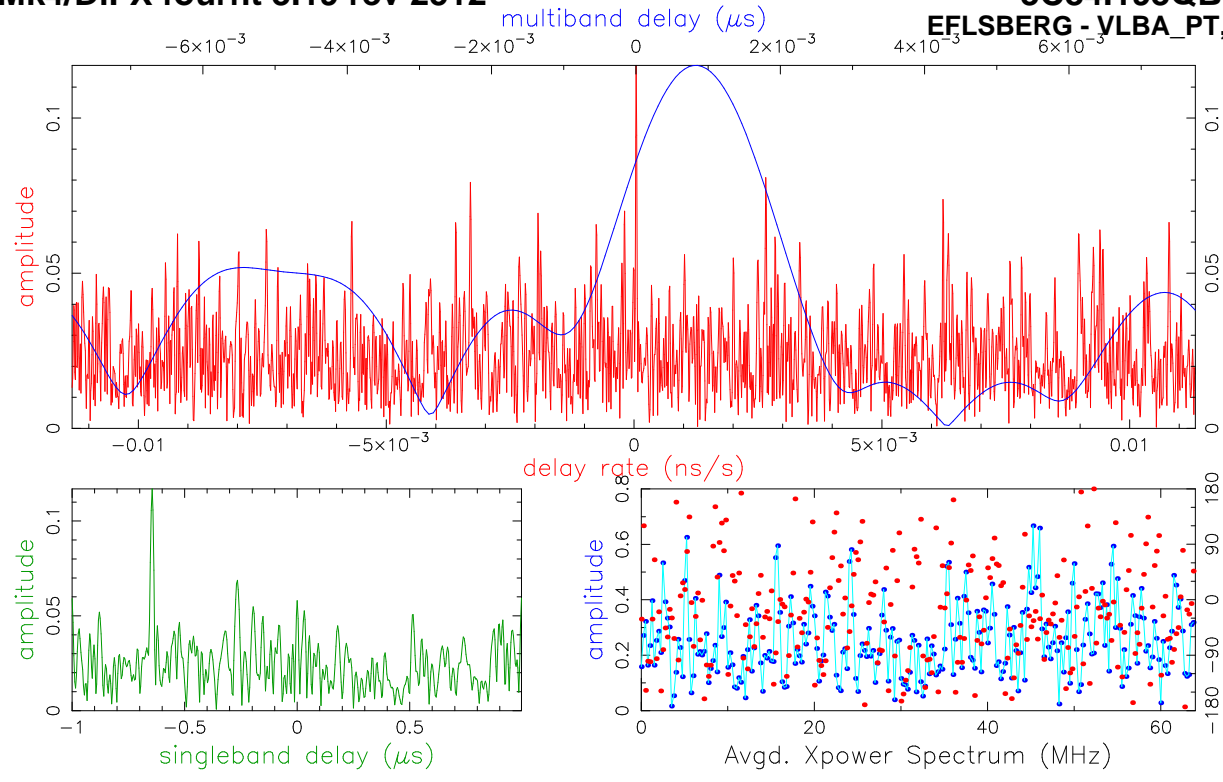
Fringe quality 0
SNR 5.6
Int time 358.819
Amp 0.109
Phase -153.1
PFD 1.0e+00
Delays (us)
SBD -0.452275
MBD 0.004759
Fringe rate (Hz)
0.163732
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512
Exp. c201d
Exper # 16383
Yr:day 2020:118
Start 165000.00
Stop 165559.94
FRT 165300.00
Corr/FF/build
2020:204:103652
2020:204:122448
2020:014:135814
RA & Dec (J2000)
03h19m48.160095s
+41°30'42.104042"

Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec



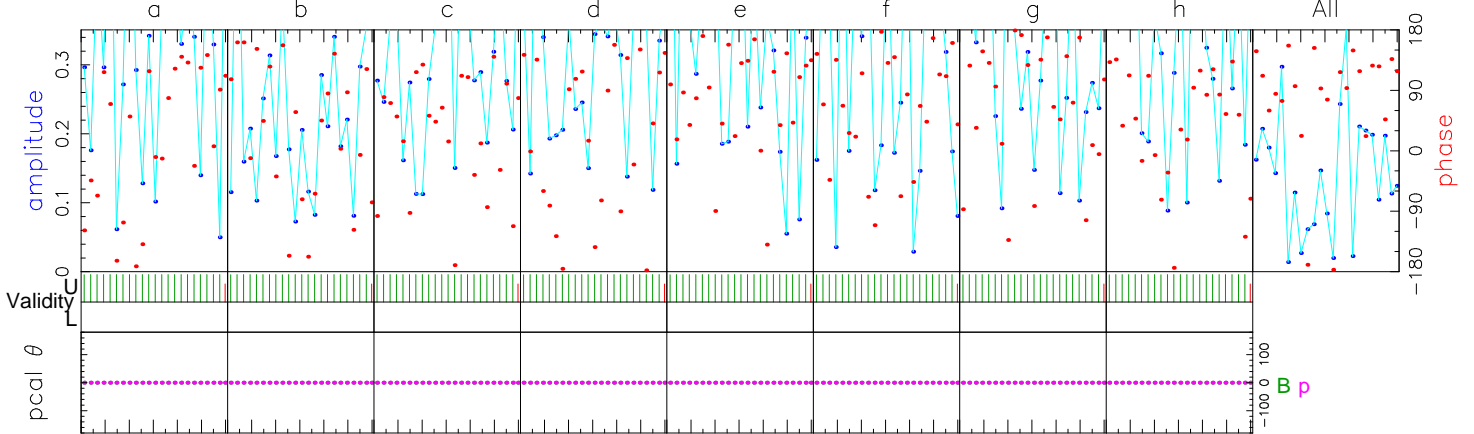
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-144.2	-133.1	141.2	123.2	-148.1	-143.8	-138.9	-159.8	Phase	-153.1
	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	Ampl.	0.1
	141.6	327.2	318.6	368.3	425.6	76.5	438.8	398.8	Sbd box	141.2
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	APs used	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
p	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
B:p	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
B:p	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
p	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
p	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	
									Tracks	
Group delay (usec)(sbd)	-1.58077223290E+03		Apriori delay (usec)		-1.58032386671E+03		Resid mbdelay (usec)		4.75881E-03	+/- 1.9E-04
Sband delay (usec)	-1.58077614196E+03		Apriori clock (usec)		-4.2760925E+00		Resid sbdelay (usec)		-4.52275E-01	+/- 1.5E-03
Phase delay (usec)	-1.58032387164E+03		Apriori clockrate (us/s)		-4.0399999E-07		Resid phdelay (usec)		-4.93651E-06	+/- 6.6E-07
Delay rate (us/s)	-1.39999579006E+00		Apriori rate (us/s)		-1.39999769082E+00		Resid rate (us/s)		1.90076E-06	+/- 3.2E-09
Total phase (deg)			Apriori accel (us/s/s)		2.39785858261E-05		Resid phase (deg)		-153.1	+/- 20.6

ph/seg (deg) 51.6 49.3 Search (2048X32) 0.105 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 61.9 86.1 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 45.0 29.1 Inc. seg. avg. 0.110 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 46.4 50.8 Inc. frq. avg. 0.109 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite dr window (ns/s) -0.011 0.011
 B: az 284.8 el 45.4 pa 55.3 p: az 64.2 el 50.6 pa -84.3 u,v (fr/asec) 10745.539 2978.704 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/Bp..193QBF Output file: /Exps/c201d/v1/1234/No0057/Bp.W.37.193QBF



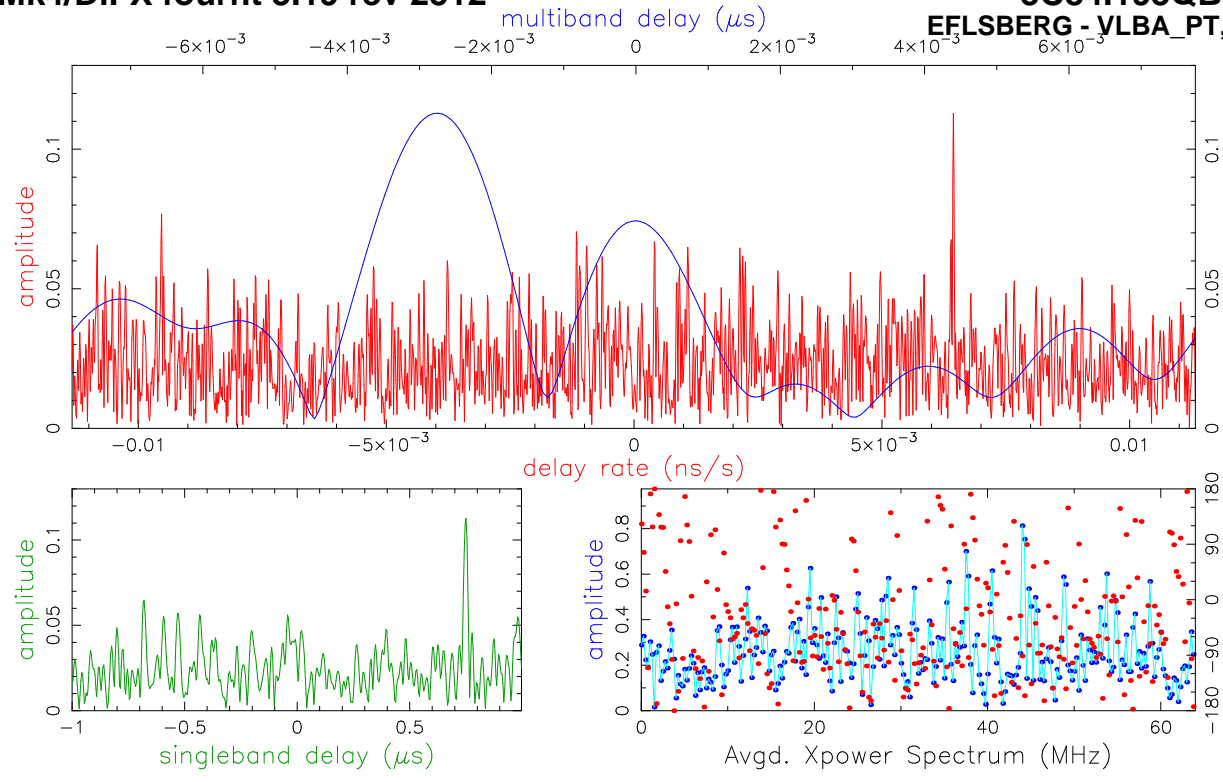
Fringe quality 0
SNR 6.1
Int time 358.819
Amp 0.117
Phase 98.3
PFD 3.0e-01
Delays (us)
SBD -0.644455
MBD 0.000835
Fringe rate (Hz)
0.003407
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512
Exp. c201d
Exper # 16383
Yr:day 2020:118
Start 165000.00
Stop 165559.94
FRT 165300.00
Corr/FF/build
2020:204:103652
2020:204:122452
2020:014:135814
RA & Dec (J2000)
03h19m48.160095s
+41°30'42.104042"

Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec



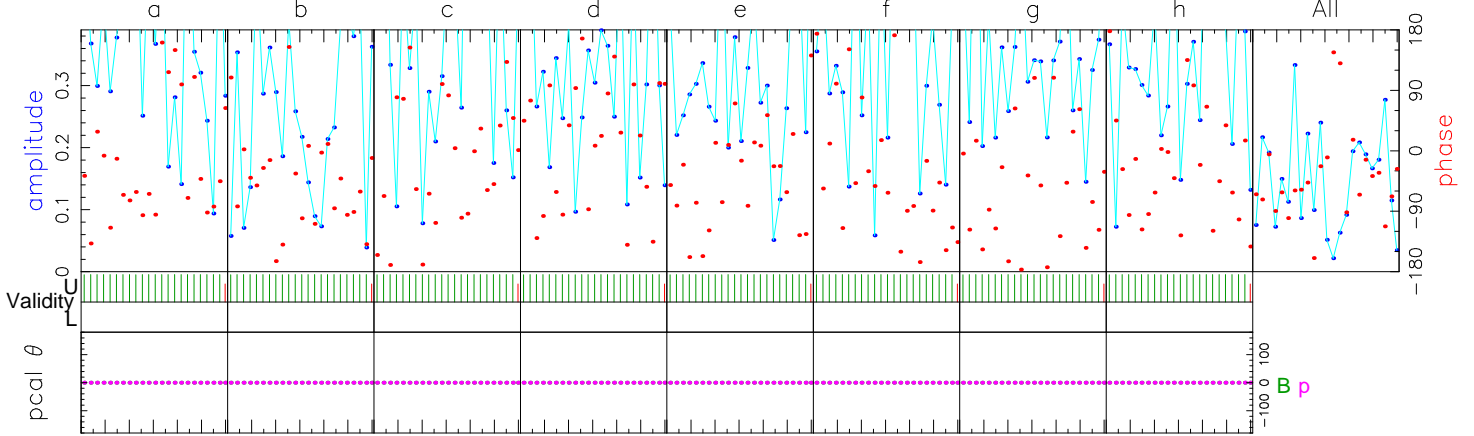
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0		
B	1000	1000	1000	1000	1000	1000	1000	1000		
p	1000	1000	1000	1000	1000	1000	1000	1000		
B:p	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
B:p	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
B	1000	1000	1000	1000	1000	1000	1000	1000		
p	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		
p	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		
Group delay (usec)(sbd)	-1.58096365672E+03								8.34991E-04	+/- 1.8E-04
Sband delay (usec)	-1.58096832196E+03								-6.44455E-01	+/- 1.4E-03
Phase delay (usec)	-1.58032386354E+03								3.17016E-06	+/- 6.1E-07
Delay rate (us/s)	-1.39999765127E+00								3.95552E-08	+/- 2.9E-09
Total phase (deg)			-217.9						98.3	+/- 18.9
Apriori delay (usec)					-1.58032386671E+03					
Apriori clock (usec)					-4.2760925E+00					
Apriori clockrate (us/s)					-4.0399999E-07					
Apriori rate (us/s)					-1.39999769082E+00					
Apriori accel (us/s/s)					2.39785858261E-05					
Resid mbdelay (usec)										
Resid sbdelay (usec)										
Resid phdelay (usec)										
Resid rate (us/s)										
Resid phase (deg)										
Pcal mode: MANUAL, MANUAL										
Pcal rate: 0.000E+00, 0.000E+00 (us/s)										
Bits/sample: 2x2										
Sample rate(MISamp/s): 128										
Data rate(Mb/s): 2048										
nlags: 256										
t_cohere infinite										
sb window (us)									-1.000	1.000
mb window (us)									-0.008	0.008
dr window (ns/s)									-0.011	0.011
ion window (TEC)									0.00	0.00

ph/seg (deg) 46.2 45.3
amp/seg (%) 78.9 79.1
ph/frq (deg) 33.7 26.7
amp/frq (%) 35.8 46.7
RMS Theor. Amplitude 0.117 +/- 0.019
Search (2048X32) 0.112
Interp. 0.000
Inc. seg. avg. 0.110
Inc. frq. avg. 0.119
Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
Sb window (us) -1.000 1.000
Mb window (us) -0.008 0.008
Dr window (ns/s) -0.011 0.011
Ion window (TEC) 0.00 0.00
B: az 284.8 el 45.4 pa 55.3 p: az 64.2 el 50.6 pa -84.3 u,v (fr/asec) 10745.539 2978.704 simultaneous interpolator
Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/Bp..193QBF Output file: /Exps/c201d/v1/1234/No0057/Bp.W.60.193QBF



Fringe quality 0
SNR 5.9
Int time 358.819
Amp 0.130
Phase -53.4
PFD 6.7e-01
Delays (us)
SBD 0.748936
MBD -0.002792
Fringe rate (Hz) 0.556272
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.512
Exp. c201d
Exper # 16383
Yr:day 2020:118
Start 165000.00
Stop 165559.94
FRT 165300.00
Corr/FF/build 2020:204:103652
2020:204:122456
2020:014:135814
RA & Dec (J2000) 03h19m48.160095s +41°30'42.104042"

Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec

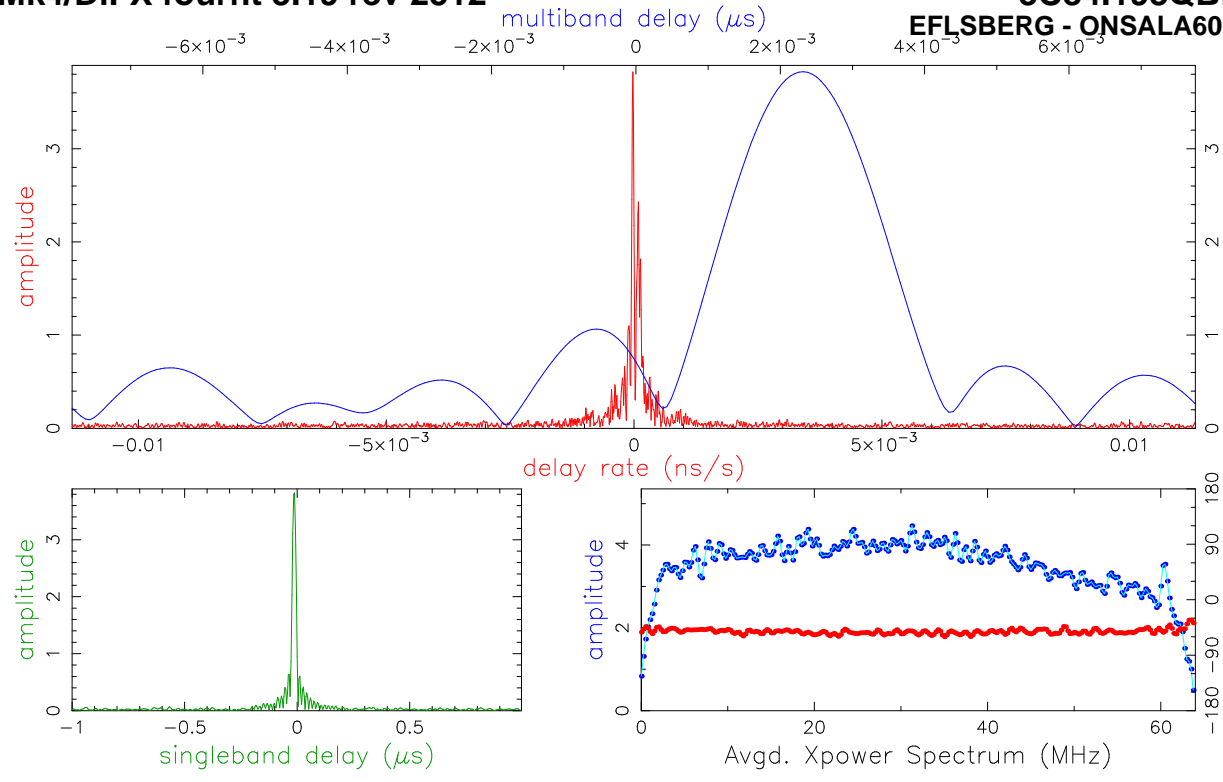


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-64.1	-63.1	-30.5	47.1	-48.8	-86.2	-53.4	-40.8	Phase	-53.4
	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.2	Ampl.	0.1
	449.0	390.0	72.5	438.5	120.1	166.0	232.4	445.7	Sbd box	448.7
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	APs used	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
p	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
B:p	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
B:p	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
p	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
p	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	

Group delay (usec)(sbd)	-1.57957665905E+03	Apriori delay (usec)	-1.58032386671E+03	Resid mbdelay (usec)	-2.79234E-03	+/-	1.8E-04
Sband delay (usec)	-1.57957493096E+03	Apriori clock (usec)	-4.2760925E+00	Resid sbdelay (usec)	7.48936E-01	+/-	1.5E-03
Phase delay (usec)	-1.58032386843E+03	Apriori clockrate (us/s)	-4.0399999E-07	Resid phdelay (usec)	-1.72048E-06	+/-	6.3E-07
Delay rate (us/s)	-1.39999123306E+00	Apriori rate (us/s)	-1.39999769082E+00	Resid rate (us/s)	6.45776E-06	+/-	3.0E-09
Total phase (deg)	-9.5	Apriori accel (us/s/s)	2.39785858261E-05	Resid phase (deg)	-53.4	+/-	19.5

ph/seg (deg)	63.2	Theor.	46.8	Amplitude	0.130 +/- 0.022	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-1.000	1.000
amp/seg (%)	77.3		81.7	Search (2048X32)	0.110	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		mb window (us)	-0.008	0.008
ph/frq (deg)	44.9		27.6	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	dr window (ns/s)	-0.011	0.011
amp/frq (%)	36.1		48.2	Inc. seg. avg.	0.129	Sample rate(MISamp/s): 128		ion window (TEC)	0.00	0.00
				Inc. frq. avg.	0.131	Data rate(Mb/s): 2048	nlags: 256	t_cohere infinite		

B: az 284.8 el 45.4 pa 55.3 p: az 64.2 el 50.6 pa -84.3 u,v (fr/asec) 10745.539 2978.704 simultaneous interpolator
Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/Bp..193QBF Output file: /Exps/c201d/v1/1234/No0057/Bp.W.75.193QBF

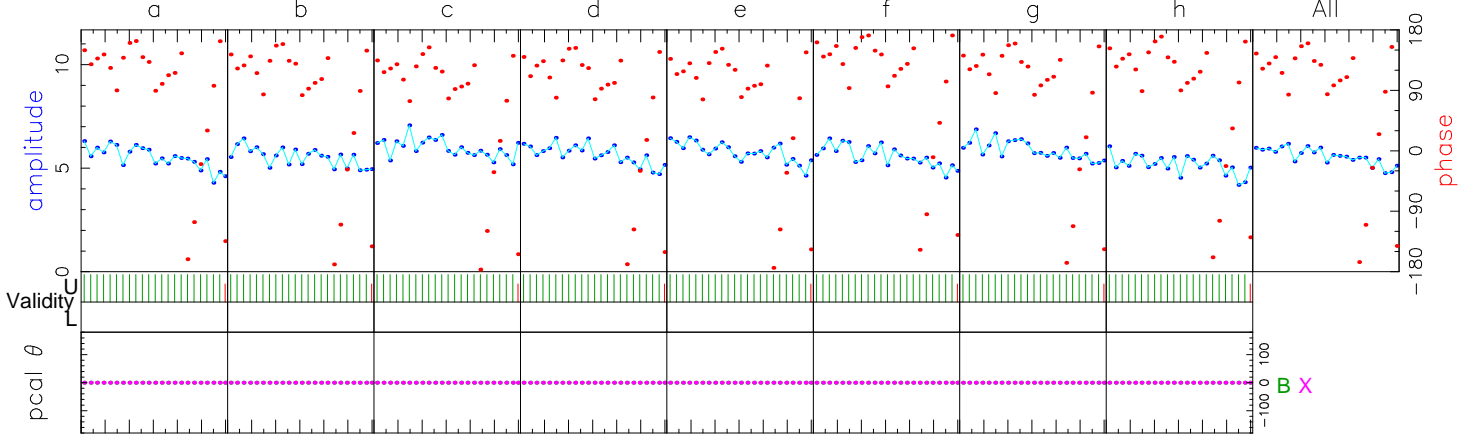


Fringe quality 5

SNR 201.9
Int time 359.520
Amp 3.894
Phase 127.5
PFD 0.0e+00
Delays (us)
SBD -0.013489
MBD 0.002265
Fringe rate (Hz)
-0.002068
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

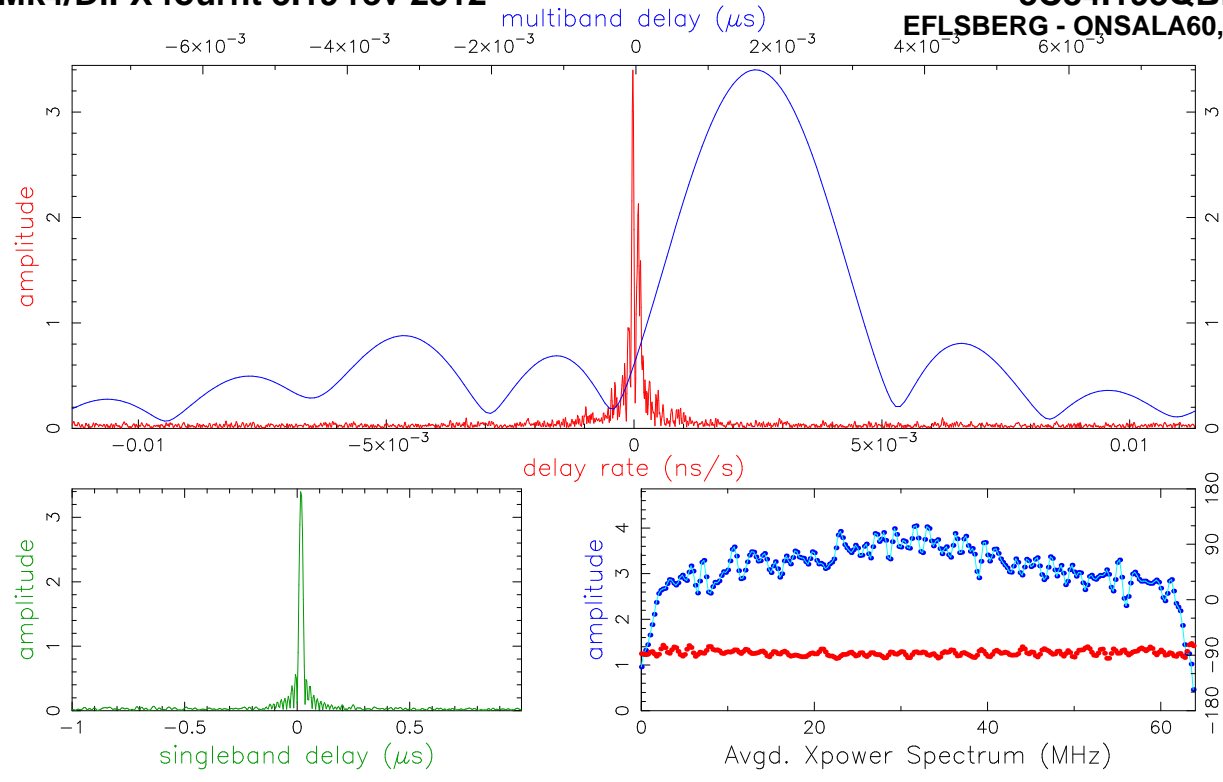
Exp. c201d
Exper # 16383
Yr:day 2020:118
Start 165000.00
Stop 165559.94
FRT 165300.00
Corr/FF/build
2020:204:103652
2020:204:122446
2020:014:135814
RA & Dec (J2000)
03h19m48.160095s
+41°30'42.104042"

Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec



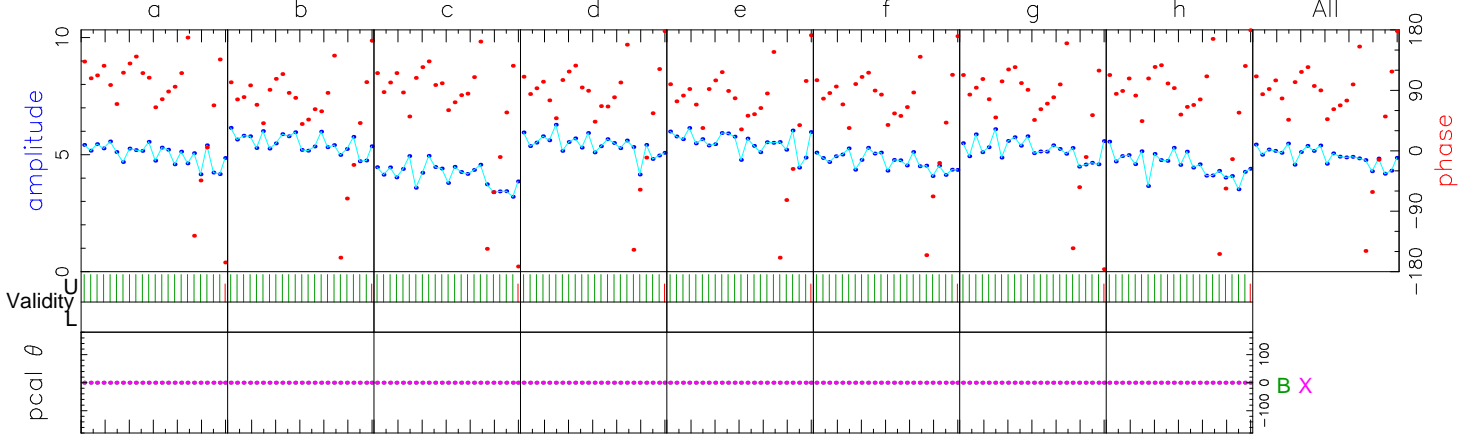
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	133.2	125.6	117.6	121.0	120.1	142.3	127.1	134.8	Phase	127.5
	3.8	3.8	4.1	3.9	3.9	3.8	4.0	3.5	Ampl.	3.9
	253.5	253.1	253.8	253.4	253.8	253.6	253.6	253.1	Sbd box	253.5
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	APs used	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
X	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
B:X	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
B:X	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
X	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
X	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	3.08694099303E+02		Apriori delay (usec)		3.08707459346E+02		Resid mbdelay (usec)		2.26496E-03	+/- 5.4E-06
Sband delay (usec)	3.08693970596E+02		Apriori clock (usec)		-2.7799772E+01		Resid sbdelay (usec)		-1.34887E-02	+/- 4.3E-05
Phase delay (usec)	3.08707463457E+02		Apriori clockrate (us/s)		-7.2800002E-07		Resid phdelay (usec)		4.1137E-06	+/- 1.8E-08
Delay rate (us/s)	-8.25540867177E-02		Apriori rate (us/s)		-8.25540627125E-02		Resid rate (us/s)		-2.40052E-08	+/- 8.8E-11
Total phase (deg)	324.8		Apriori accel (us/s/s)		-7.07977661602E-06		Resid phase (deg)		127.5	+/- 0.6

ph/seg (deg) 55.3 1.4 Search (2048X32) 3.786 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 44.6 2.4 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 9.2 0.8 Inc. seg. avg. 5.586 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 4.6 1.4 Inc. frq. avg. 3.860 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite dr window (ns/s) -0.011 0.011
 B: az 284.8 el 45.4 pa 55.3 X: az 281.6 el 44.0 pa 44.9 u,v (fr/asec) 624.161 -965.934 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/BX..193QBF Output file: /Exps/c201d/v1/1234/No0057/BX.W.27.193QBF



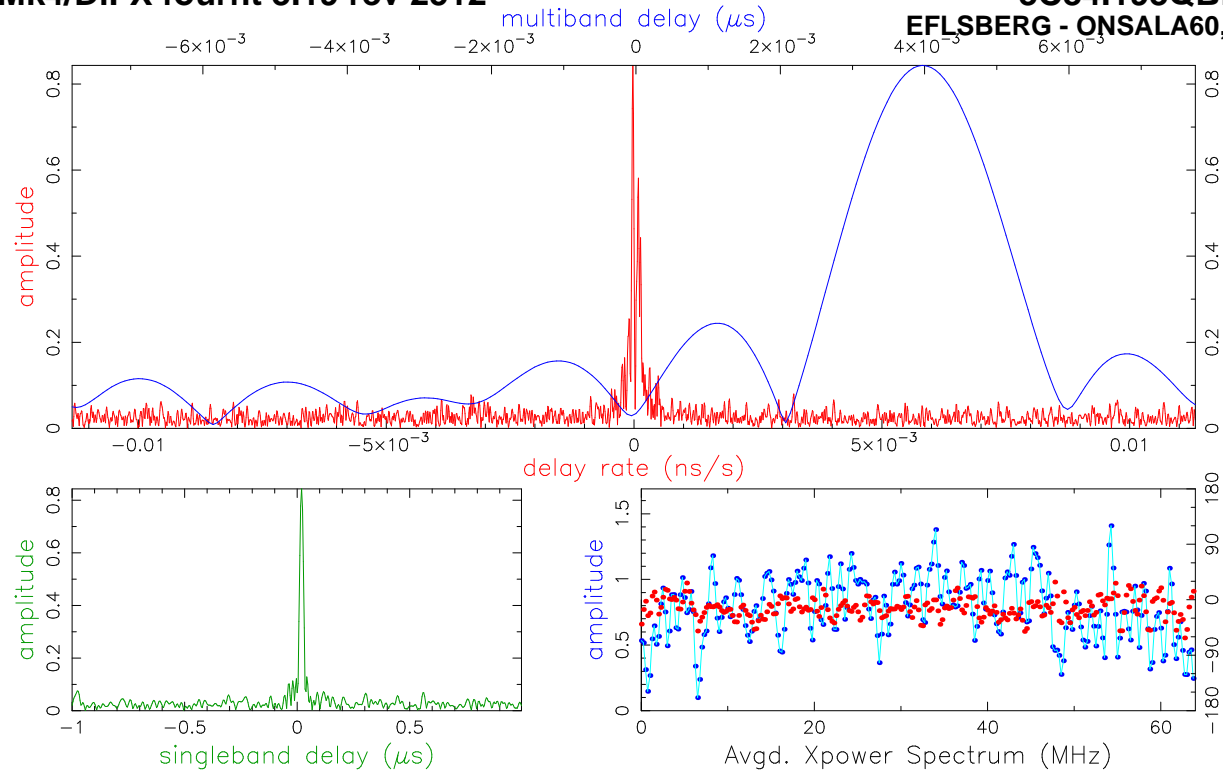
Fringe quality 5
 SNR 178.5
 Int time 359.520
 Amp 3.443
 Phase 91.0
 PFD 0.0e+00
 Delays (us)
 SBD 0.017134
 MBD 0.001706
 Fringe rate (Hz)
 -0.002059
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512
 Exp. c201d
 Exper # 16383
 Yr:day 2020:118
 Start 165000.00
 Stop 165559.94
 FRT 165300.00
 Corr/FF/build
 2020:204:103652
 2020:204:122451
 2020:014:135814
 RA & Dec (J2000)
 03h19m48.160095s
 +41°30'42.104042"

Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	109.1	79.8	100.2	91.6	80.3	82.4	92.6	94.6	Phase	91.0
	3.5	3.8	2.9	3.8	3.7	3.3	3.6	3.1	Ampl.	3.4
	260.7	261.1	261.9	261.2	261.3	261.8	261.7	260.9	Sbd box	261.4
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	APs used	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
X	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
B:X	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
B:X	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
X	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
X	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	
									Tracks	
Group delay (usec)(sbd)	3.08724790428E+02		Apriori delay (usec)		3.08707459346E+02		Resid mbdelay (usec)		1.70608E-03	+/- 6.1E-06
Sband delay (usec)	3.08724592846E+02		Apriori clock (usec)		-2.7799772E+01		Resid sbdelay (usec)		1.71335E-02	+/- 4.8E-05
Phase delay (usec)	3.08707462279E+02		Apriori clockrate (us/s)		-7.2800002E-07		Resid phdelay (usec)		2.93311E-06	+/- 2.1E-08
Delay rate (us/s)	-8.25540866150E-02		Apriori rate (us/s)		-8.25540627125E-02		Resid rate (us/s)		-2.39025E-08	+/- 1.0E-10
Total phase (deg)	288.2		Apriori accel (us/s/s)		-7.07977661602E-06		Resid phase (deg)		91.0	+/- 0.6

RMS Theor. Amplitude 3.443 +/- 0.019
 ph/seg (deg) 54.9 1.5 Search (2048X32) 3.334 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 44.5 2.7 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 11.1 0.9 Inc. seg. avg. 4.931 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 8.7 1.6 Inc. frq. avg. 3.446 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite dr window (ns/s) -0.011 0.011
 B: az 284.8 el 45.4 pa 55.3 X: az 281.6 el 44.0 pa 44.9 u,v (fr/asec) 624.161 -965.934 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/BX..193QBF Output file: /Exps/c201d/v1/1234/No0057/BX.W.52.193QBF

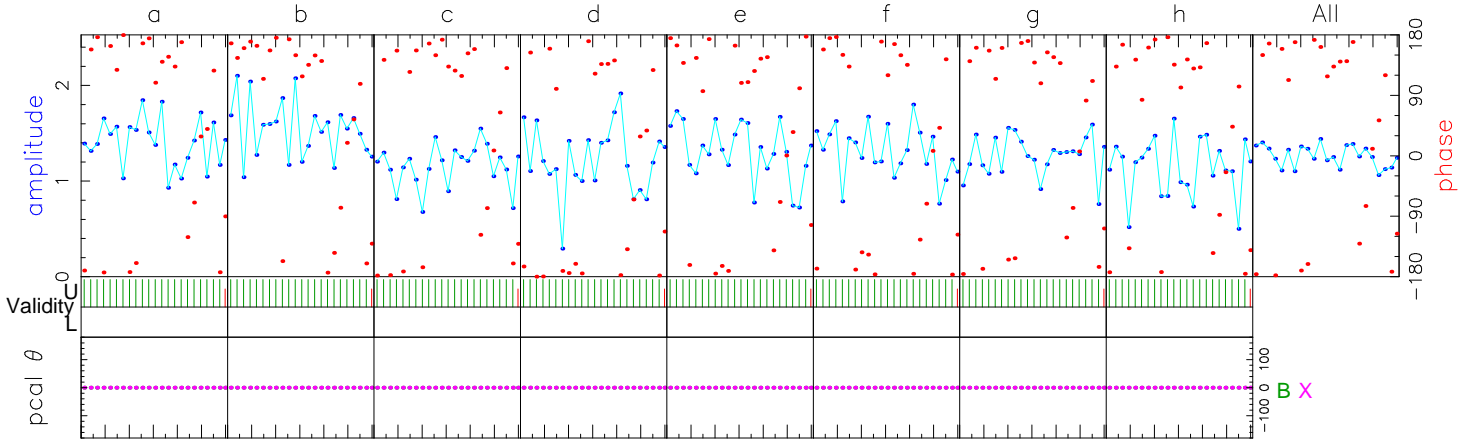


Fringe quality 7

SNR 43.7
 Int time 359.520
 Amp 0.843
 Phase 163.5
 PFD 0.0e+00
 Delays (us)
 SBD 0.019325
 MBD 0.003966
 Fringe rate (Hz)
 -0.002057
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512

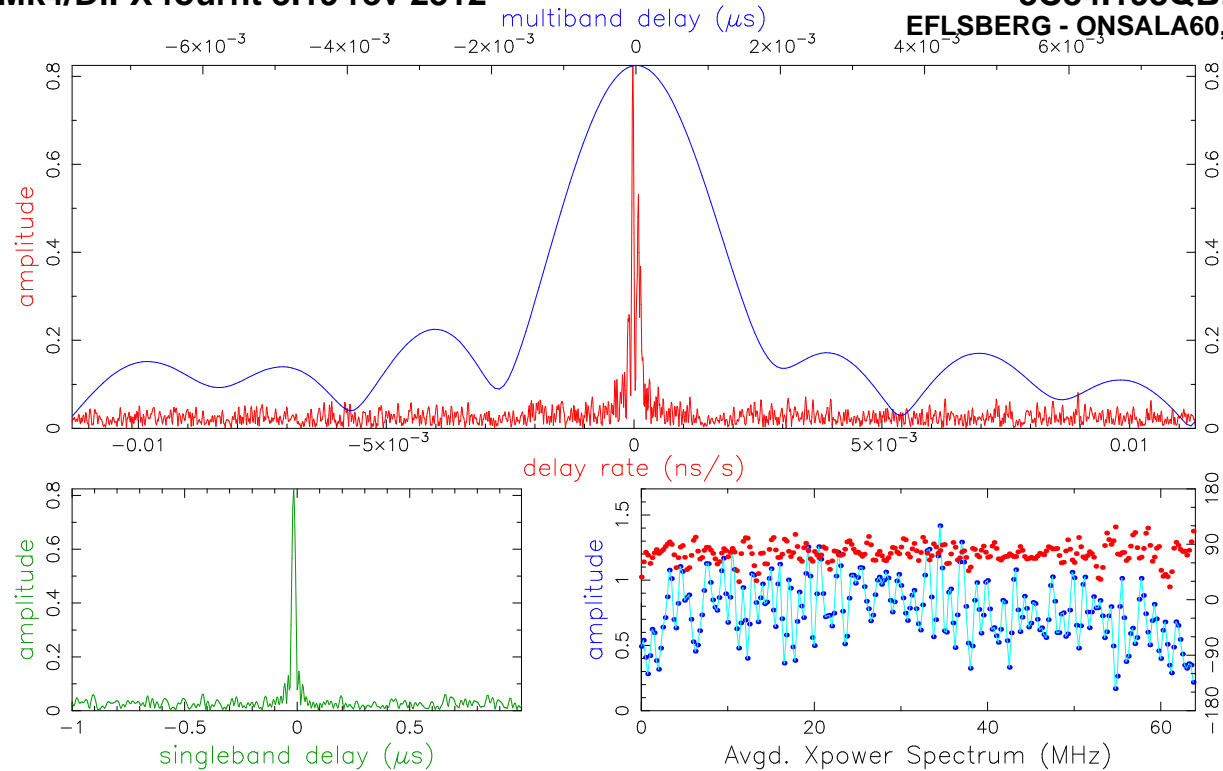
Exp. c201d
 Exper # 16383
 Yr:day 2020:118
 Start 165000.00
 Stop 165559.94
 FRT 165300.00
 Corr/FF/build
 2020:204:103652
 2020:204:122455
 2020:014:135814
 RA & Dec (J2000)
 03h19m48.160095s
 +41°30'42.104042"

Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec



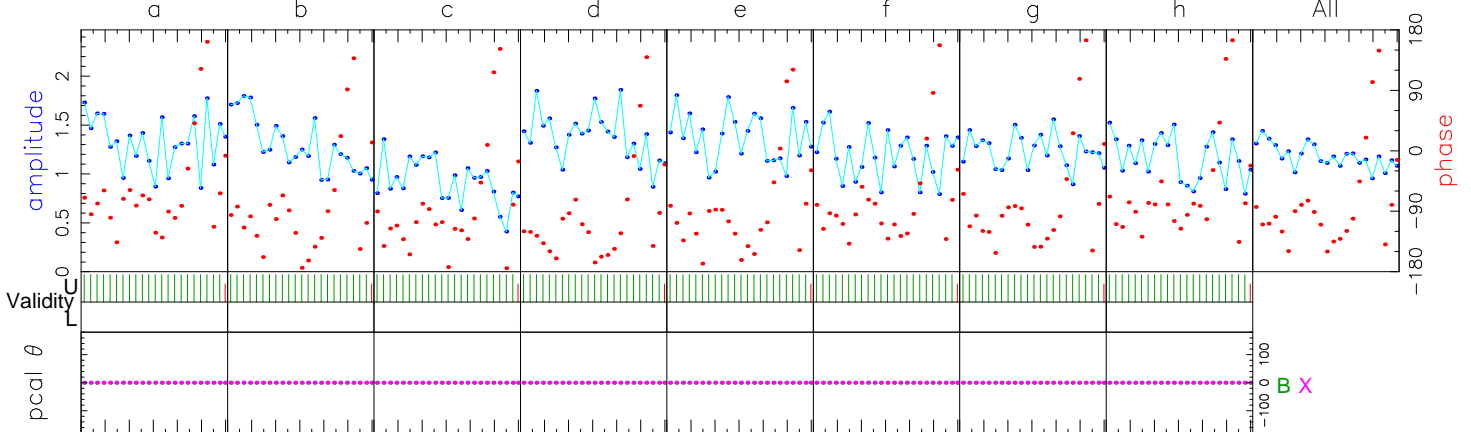
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
Group delay (usec)(sbd)	165.7	158.2	160.8	167.0	159.6	176.2	162.1	157.4	Phase	163.5
Sband delay (usec)	0.9	1.1	0.8	0.9	0.8	0.9	0.8	0.7	Ampl.	0.8
Phase delay (usec)	262.0	261.8	261.8	261.9	261.9	262.2	262.1	261.5	Sbd box	261.9
Delay rate (us/s)	U/L 703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	APs used	
Total phase (deg)	B 1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
	X 1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
	B:X 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
	B:X 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
	B 1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
	X 1000	1000	1000	1000	1000	1000	1000	1000		
	B W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
	X W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	
									Chan ids	
									Tracks	
Apriori delay (usec)	3.0872705803E+02		Apriori clock (usec)		3.08707459346E+02		Resid mbdelay (usec)		3.96646E-03	+/- 2.5E-05
Apriori clockrate (us/s)	3.08726783846E+02		Apriori clockrate (us/s)		-2.7799772E+01		Resid sbdelay (usec)		1.93245E-02	+/- 2.0E-04
Apriori accel (us/s/s)	3.08707464618E+02		Apriori rate (us/s)		-7.2800002E-07		Resid phdelay (usec)		5.27196E-06	+/- 8.5E-08
	-8.25540865958E-02		Apriori accel (us/s/s)		-7.07977661602E-06		Resid rate (us/s)		-2.38834E-08	+/- 4.1E-10
	0.8						Resid phase (deg)		163.5	+/- 2.6

ph/seg (deg) 56.1 6.3 Search (2048X32) 0.838 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 51.5 11.0 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 6.7 3.7 Inc. seg. avg. 1.256 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 11.5 6.5 Inc. frq. avg. 0.846 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite dr window (ns/s) -0.011 0.011
 B: az 284.8 el 45.4 pa 55.3 X: az 281.6 el 44.0 pa 44.9 u,v (fr/asec) 624.161 -965.934 simultaneous interpolator



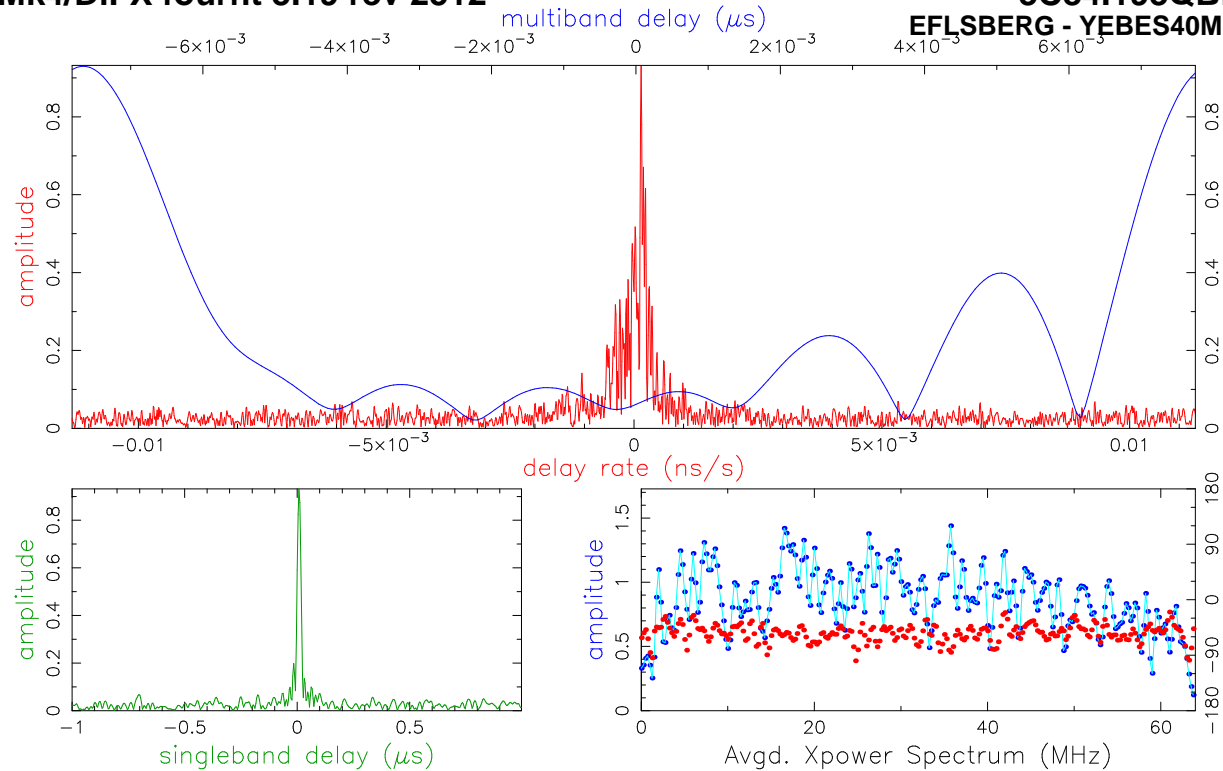
Fringe quality 6
SNR 42.8
Int time 359.520
Amp 0.825
Phase -105.5
PFD 0.0e+00
Delays (us)
SBD -0.015724
MBD 0.000005
Fringe rate (Hz)
-0.002070
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512
Exp. c201d
Exper # 16383
Yr:day 2020:118
Start 165000.00
Stop 165559.94
FRT 165300.00
Corr/FF/build
2020:204:103652
2020:204:122459
2020:014:135814
RA & Dec (J2000)
03h19m48.160095s
+41°30'42.104042"

Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-83.0	-111.0	-111.7	-125.7	-114.4	-97.3	-109.7	-89.5	Phase	-105.5
	0.9	0.8	0.6	1.0	0.9	0.9	0.8	0.8	Ampl.	0.8
	252.7	252.4	253.3	252.9	253.3	253.6	253.1	252.1	Sbd box	253.0
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	APs used	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
X	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
B:X	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
B:X	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
X	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
X	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	
									Tracks	
Group delay (usec)(sbd)	3.08691839053E+02		Apriori delay (usec)		3.08707459346E+02		Resid mbdelay (usec)		4.70753E-06	+/- 2.5E-05
Sband delay (usec)	3.08691735846E+02		Apriori clock (usec)		-2.7799772E+01		Resid sbdelay (usec)		-1.57235E-02	+/- 2.0E-04
Phase delay (usec)	3.08707455944E+02		Apriori clockrate (us/s)		-7.2800002E-07		Resid phdelay (usec)		-3.40161E-02	+/- 8.6E-08
Delay rate (us/s)	-8.25540867432E-02		Apriori rate (us/s)		-8.25540627125E-02		Resid rate (us/s)		-2.40307E-08	+/- 4.2E-10
Total phase (deg)	91.8		Apriori accel (us/s/s)		-7.07977661602E-06		Resid phase (deg)		-105.5	+/- 2.7

	RMS	Theor.	Amplitude	0.825 +/- 0.019	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-1.000	1.000
ph/seg (deg)	55.3	6.4	Search (2048X32)	0.821	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		mb window (us)	-0.008	0.008
amp/seg (%)	46.0	11.2	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	dr window (ns/s)	-0.011	0.011
ph/frq (deg)	15.3	3.8	Inc. seg. avg.	1.178	Sample rate(MISamp/s): 128		ion window (TEC)	0.00	0.00
amp/frq (%)	11.2	6.6	Inc. frq. avg.	0.846	Data rate(Mb/s): 2048	nlags: 256 t_cohere infinite			

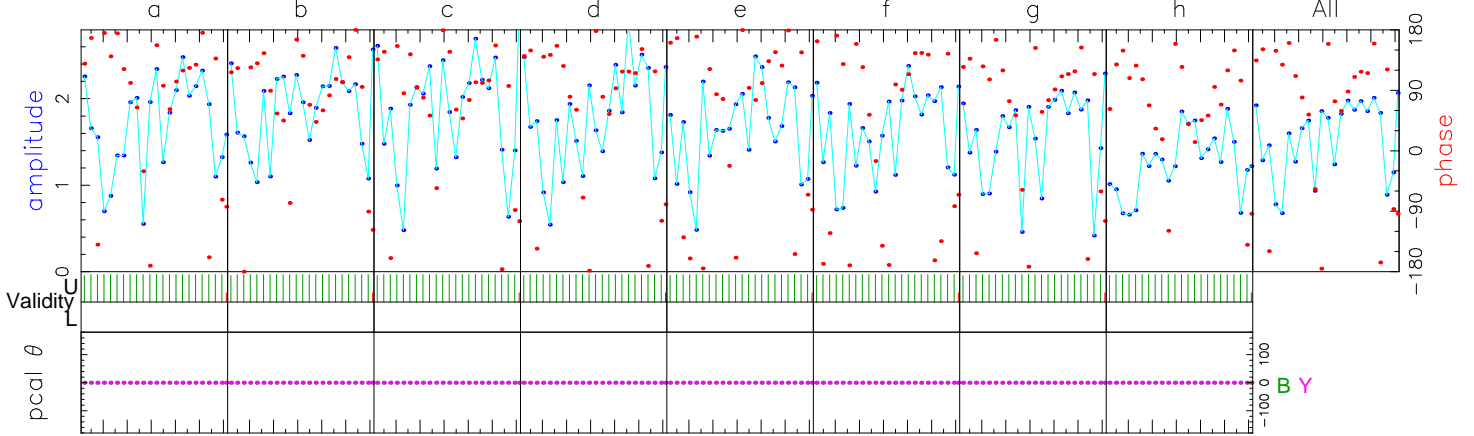


Fringe quality 5

SNR 48.0
Int time 353.908
Amp 0.932
Phase 130.7
PFD 0.0e+00
Delays (us)
SBD 0.008434
MBD -0.007639
Fringe rate (Hz) 0.012091
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.512

Exp. c201d
Exper # 16383
Yr:day 2020:118
Start 165005.12
Stop 165559.94
FRT 165300.00
Corr/FF/build
2020:204:103652
2020:204:122446
2020:014:135814
RA & Dec (J2000)
03h19m48.160095s
+41°30'42.104042"

Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec



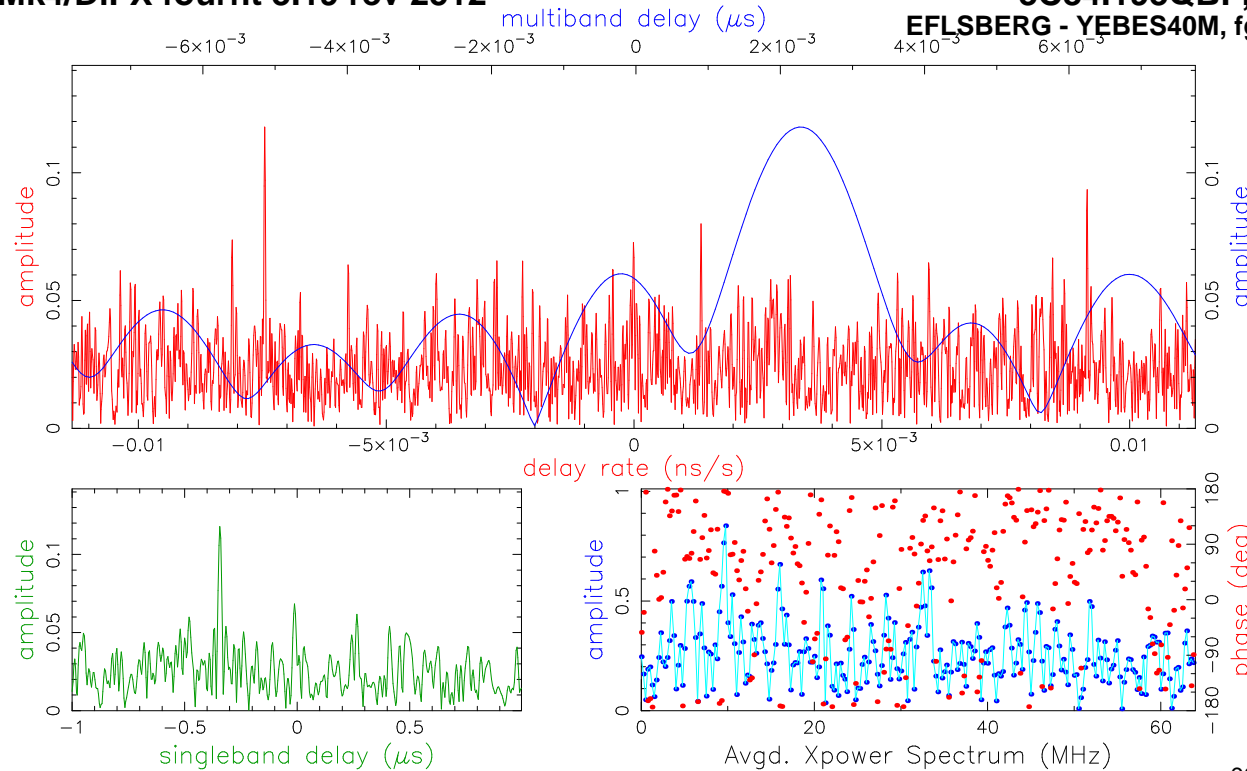
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	693/0	693/0	693/0	693/0	693/0	693/0	693/0	693/0		
B	1000	1000	1000	1000	1000	1000	1000	1000		
Y	1000	1000	1000	1000	1000	1000	1000	1000		
B:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
B	1000	1000	1000	1000	1000	1000	1000	1000		
Y	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		
Y	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		

Group delay (usec)(sbd)	-9.24450765876E+02	Apriori delay (usec)	-9.24458752321E+02	Resid mbdelay (usec)	-7.63855E-03	+/-	2.3E-05
Sband delay (usec)	-9.24450318321E+02	Apriori clock (usec)	1.0368242E+00	Resid sbdelay (usec)	8.43400E-03	+/-	1.8E-04
Phase delay (usec)	-9.24458748107E+02	Apriori clockrate (us/s)	-4.2000000E-07	Resid phdelay (usec)	4.21402E-06	+/-	7.7E-08
Delay rate (us/s)	5.72913806814E-02	Apriori rate (us/s)	5.72912403211E-02	Resid rate (us/s)	1.40360E-07	+/-	3.8E-10
Total phase (deg)	-202.3	Apriori accel (us/s/s)	1.40723178868E-05	Resid phase (deg)	130.7	+/-	2.4

ph/seg (deg)	64.5	Theor.	5.7	Amplitude	0.932 +/- 0.019	PCal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5	
amp/seg (%)	78.8		10.0	Search (2048X32)	0.905	PCal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000	
ph/frq (deg)	25.2		3.4	Interp.	0.000	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.008 0.008
amp/frq (%)	15.3		5.9	Inc. seg. avg.	1.528	Sample rate (MSamp/s):	128	dr window (ns/s)	-0.011 0.011	
				Inc. frq. avg.	0.990	Data rate (Mb/s):	2048	ion window (TEC)	0.00 0.00	

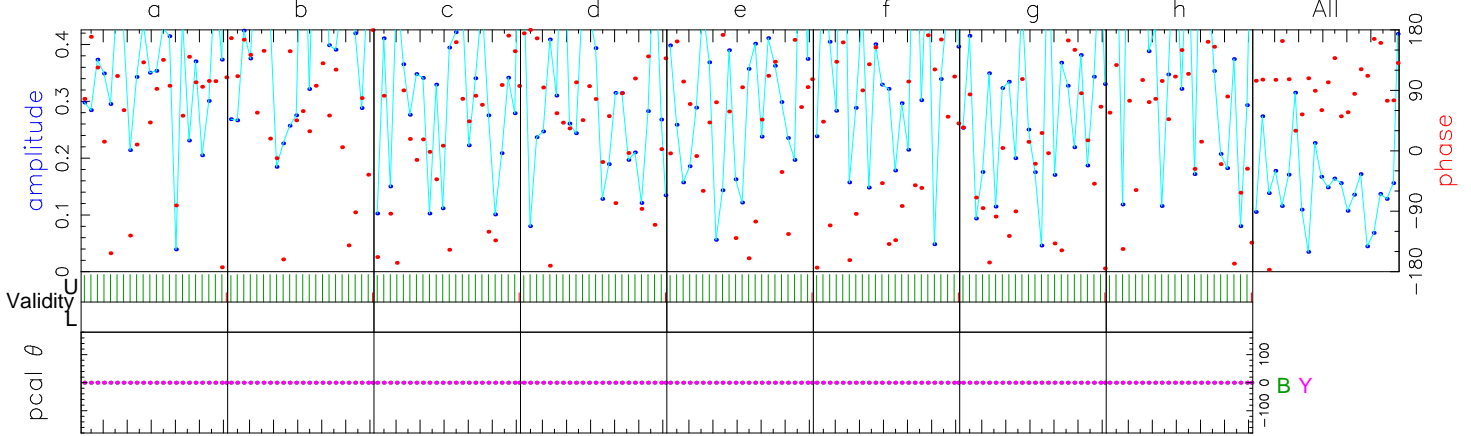
B: az 284.8 el 45.4 pa 55.3 Y: az 290.3 el 49.0 pa 72.6 u,v (fr/asec) -422.750 1793.620 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/BY..193QBF Output file: /Exps/c201d/v1/1234/No0057/BY.W.26.193QBF



Fringe quality 0
SNR 6.1
Int time 353.908
Amp 0.142
Phase 97.3
PFD 2.9e-01
Delays (us)
SBD -0.343278
MBD 0.002305
Fringe rate (Hz)
-0.643142
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512
Exp. c201d
Exper # 16383
Yr:day 2020:118
Start 165005.12
Stop 165559.94
FRT 165300.00
Corr/FF/build
2020:204:103652
2020:204:122454
2020:014:135814
RA & Dec (J2000)
03h19m48.160095s
+41°30'42.104042"

Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec

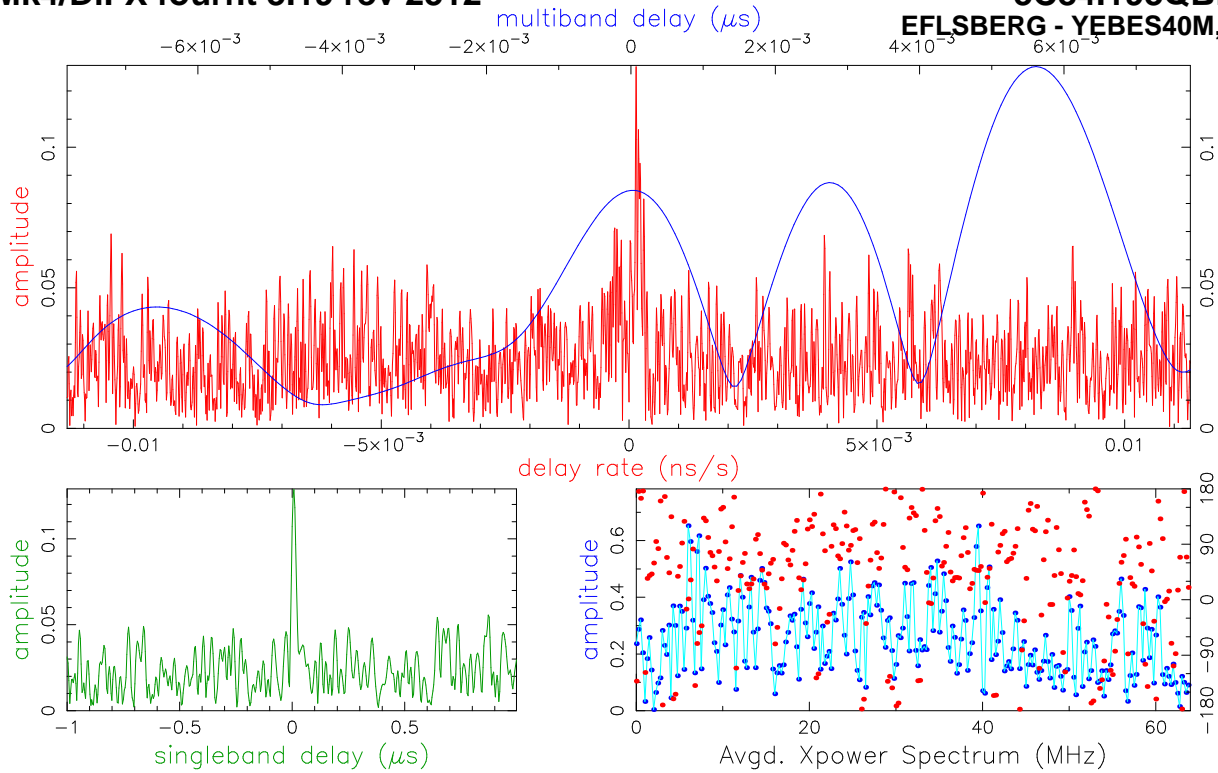


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	693/0	693/0	693/0	693/0	693/0	693/0	693/0	693/0		
B	1000	1000	1000	1000	1000	1000	1000	1000		
Y	1000	1000	1000	1000	1000	1000	1000	1000		
B:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
B:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
B	1000	1000	1000	1000	1000	1000	1000	1000		
Y	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		
Y	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		

Group delay (usec)(sbd)	-9.24800196959E+02	Apriori delay (usec)	-9.24458752321E+02	Resid mbdelay (usec)	2.30536E-03	+/-	1.8E-04
Sband delay (usec)	-9.24802030571E+02	Apriori clock (usec)	1.0368242E+00	Resid sbdelay (usec)	-3.43278E-01	+/-	1.4E-03
Phase delay (usec)	-9.24458749182E+02	Apriori clockrate (us/s)	-4.2000000E-07	Resid phdelay (usec)	3.13886E-06	+/-	6.1E-07
Delay rate (us/s)	5.72837740843E-02	Apriori rate (us/s)	5.72912403211E-02	Resid rate (us/s)	-7.46624E-06	+/-	3.0E-09
Total phase (deg)	-235.6	Apriori accel (us/s/s)	1.40723178868E-05	Resid phase (deg)	97.3	+/-	18.9

ph/seg (deg)	40.4	Theor.	45.3	Amplitude	0.142 +/- 0.023	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-1.000	1.000
amp/seg (%)	66.9		79.0	Search (2048X32)	0.112	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		mb window (us)	-0.008	0.008
ph/frq (deg)	34.1		26.7	Inc. seg. avg.	0.139	Bits/sample: 2x2	SampCntNorm: enabled	dr window (ns/s)	-0.011	0.011
amp/frq (%)	52.4		46.6	Inc. frq. avg.	0.138	Sample rate(MSamp/s): 128		ion window (TEC)	0.00	0.00
						Data rate(Mb/s): 2048	nlags: 256	t_cohere infinite		

B: az 284.8 el 45.4 pa 55.3 Y: az 290.3 el 49.0 pa 72.6 u,v (fr/asec) -422.750 1793.620 simultaneous interpolator
Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/BY..193QBF Output file: /Exps/c201d/v1/1234/No0057/BY.W.68.193QBF

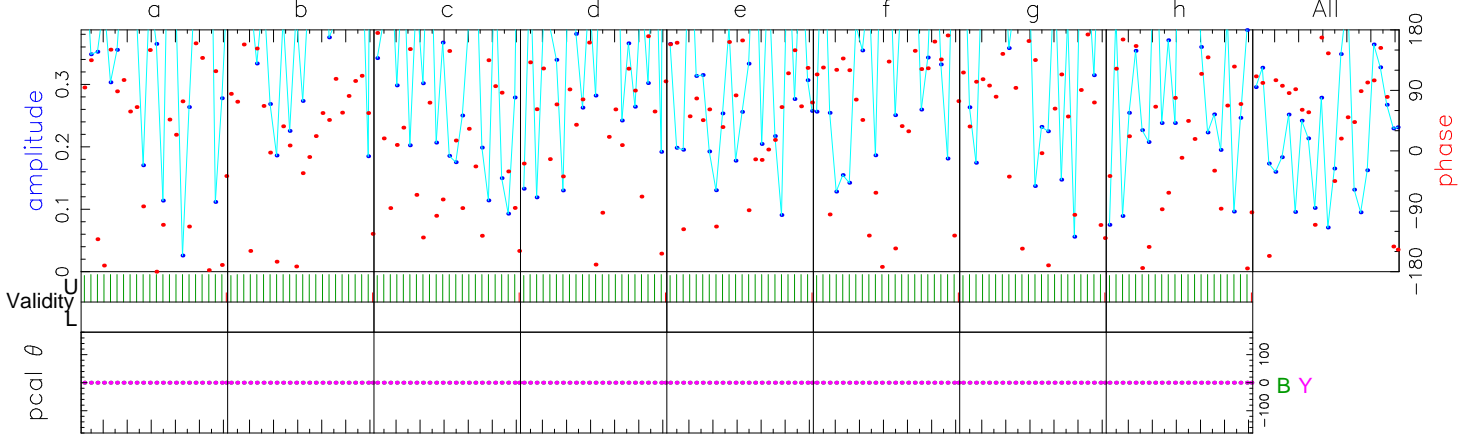


Fringe quality 0

SNR 6.6
Int time 353.908
Amp 0.129
Phase 95.7
PFD 8.8e-03
Delays (us)
SBD 0.006820
MBD 0.005586
Fringe rate (Hz) 0.012172
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.512

Exp. c201d
Exper # 16383
Yr:day 2020:118
Start 165005.12
Stop 165559.94
FRT 165300.00
Corr/FF/build 2020:204:103652
2020:204:122458
2020:014:135814
RA & Dec (J2000) 03h19m48.160095s +41°30'42.104042"

Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec



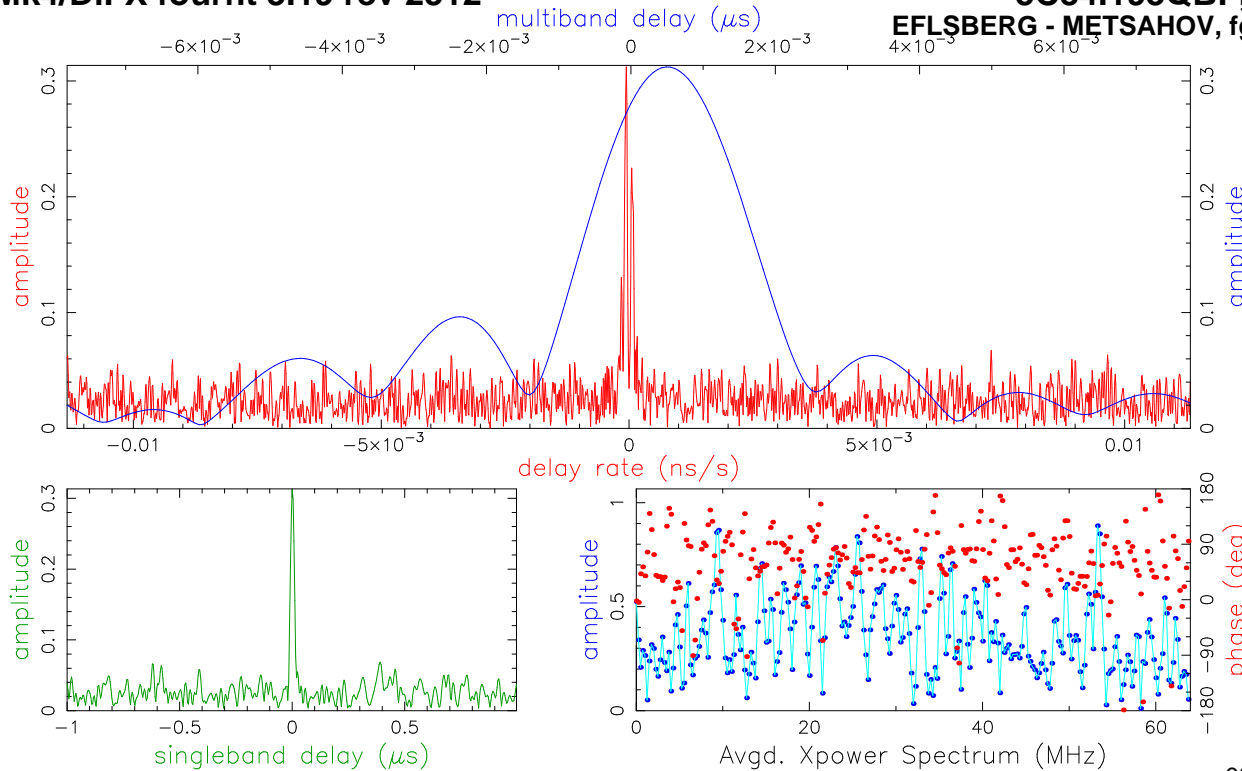
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	693/0	693/0	693/0	693/0	693/0	693/0	693/0	693/0		
B	1000	1000	1000	1000	1000	1000	1000	1000		
Y	1000	1000	1000	1000	1000	1000	1000	1000		
B:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
B:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
B	1000	1000	1000	1000	1000	1000	1000	1000		
Y	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		
Y	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		

Group delay (usec)(sbd)	-9.2445316688E+02	Apriori delay (usec)	-9.24458752321E+02	Resid mbdelay (usec)	5.58563E-03	+/-	1.6E-04
Sband delay (usec)	-9.24451932321E+02	Apriori clock (usec)	1.0368242E+00	Resid sbdelay (usec)	6.82000E-03	+/-	1.3E-03
Phase delay (usec)	-9.24458749234E+02	Apriori clockrate (us/s)	-4.2000000E-07	Resid phdelay (usec)	3.08694E-06	+/-	5.6E-07
Delay rate (us/s)	5.72913816216E-02	Apriori rate (us/s)	5.72912403211E-02	Resid rate (us/s)	1.41301E-07	+/-	2.7E-09
Total phase (deg)	-237.3	Apriori accel (us/s/s)	1.40723178868E-05	Resid phase (deg)	95.7	+/-	17.3

ph/seg (deg)	67.0	Theor.	41.4	Amplitude	0.129 +/- 0.019	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5	
amp/seg (%)	105.6	Search (2048X32)	0.124	Apriori delay (usec)	0.124	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000	
ph/frq (deg)	56.8	Inc. seg. avg.	0.178	Apriori clockrate (us/s)	0.000	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.008 0.008
amp/frq (%)	51.7	Inc. frq. avg.	0.145	Apriori rate (us/s)	0.145	Sample rate (MSamp/s):	128	dr window (ns/s)	-0.011 0.011	
						Data rate (Mb/s):	2048	ion window (TEC)	0.00 0.00	

B: az 284.8 el 45.4 pa 55.3 Y: az 290.3 el 49.0 pa 72.6 u,v (fr/asec) -422.750 1793.620 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/BY..193QBF Output file: /Exps/c201d/v1/1234/No0057/BY.W.81.193QBF

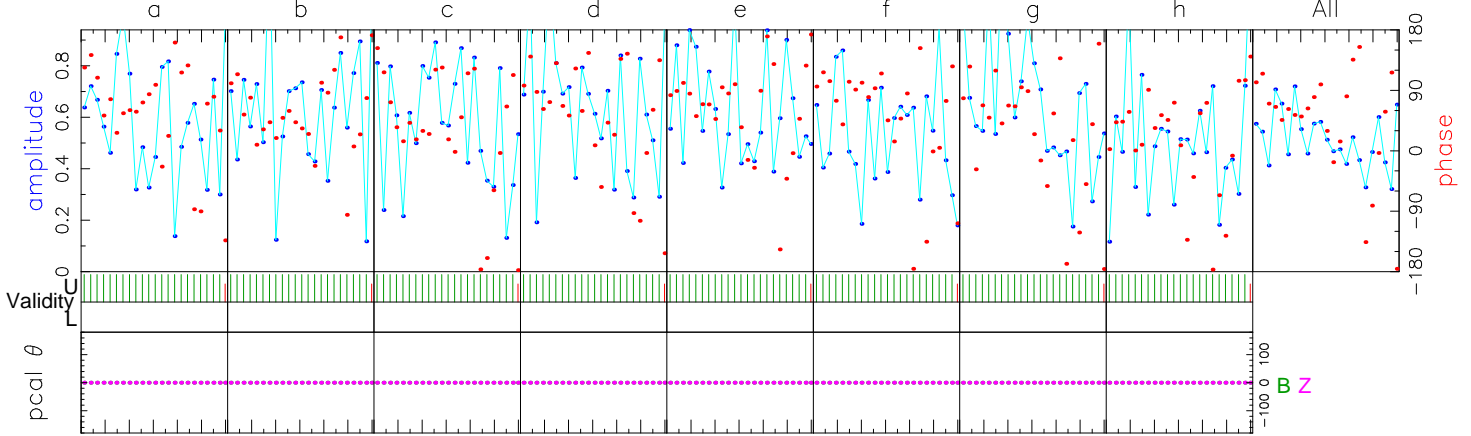


Fringe quality 9

SNR 16.2
Int time 359.266
Amp 0.313
Phase 69.3
PFD 0.0e+00
Delays (us)
SBD 0.000890
MBD 0.000525
Fringe rate (Hz) -0.004513
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.512

Exp. c201d
Exper # 16383
Yr:day 2020:118
Start 165000.00
Stop 165559.94
FRT 165300.00
Corr/FF/build
2020:204:103652
2020:204:122505
2020:014:135814
RA & Dec (J2000)
03h19m48.160095s
+41°30'42.104042"

Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec

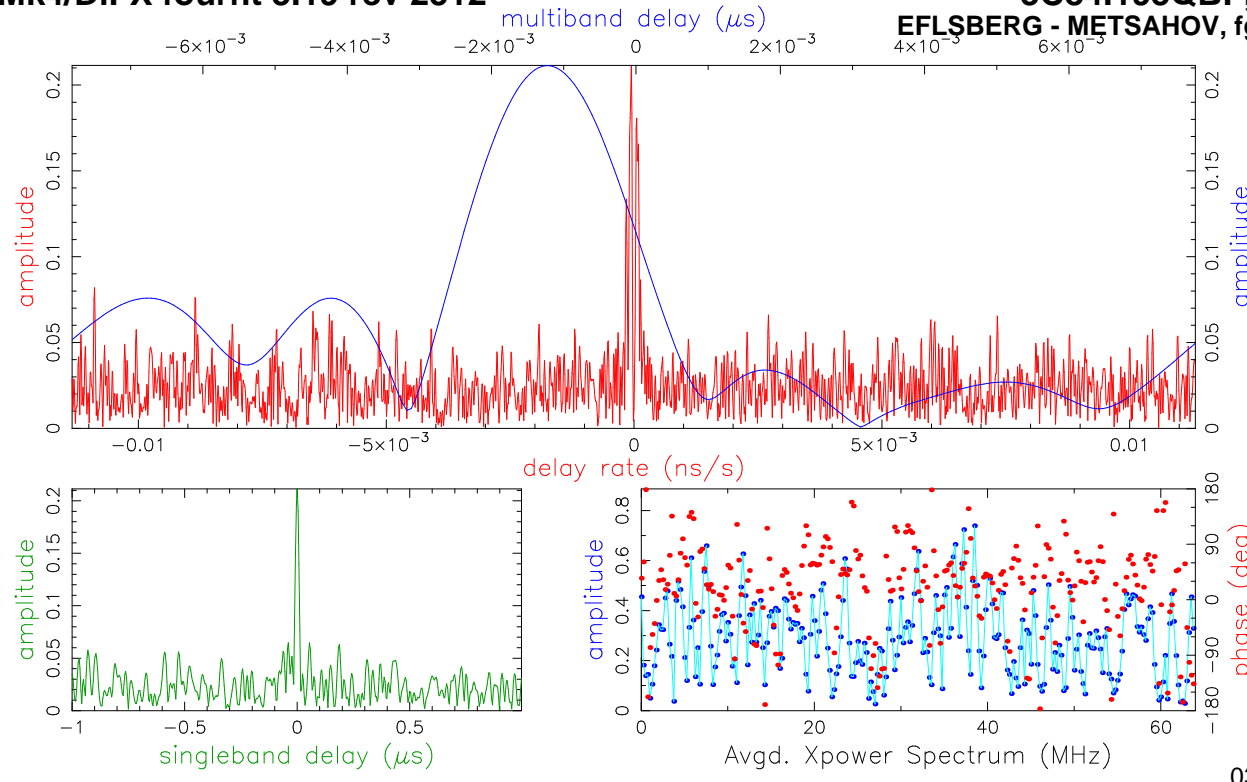


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	71.2	57.3	66.9	88.0	76.1	77.9	63.0	53.3	Phase	69.3
B	0.3	0.4	0.3	0.3	0.4	0.3	0.3	0.3	Ampl.	0.3
Z	257.1	257.5	256.9	257.1	257.7	256.2	257.6	257.3	Sbd box	257.2
B:Z	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	APs used	
B:Z	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
B:Z	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
B:Z	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Z	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
Z	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	

Group delay (usec)(sbd) 1.88582639080E+03 Apriori delay (usec) 1.88582586544E+03 Resid mbdelay (usec) 5.25363E-04 +/- 6.7E-05
 Sband delay (usec) 1.88582675544E+03 Apriori clock (usec) 1.3142880E+01 Resid sbdelay (usec) 8.90000E-04 +/- 5.3E-04
 Phase delay (usec) 1.88582586767E+03 Apriori clockrate (us/s) -2.1600000E-07 Resid phdelay (usec) 2.23371E-06 +/- 2.3E-07
 Delay rate (us/s) -1.01152183110E-01 Apriori rate (us/s) -1.01152130716E-01 Resid rate (us/s) -5.23943E-08 +/- 1.1E-09
 Total phase (deg) 86.8 Apriori accel (us/s/s) -1.71649820579E-05 Resid phase (deg) 69.3 +/- 7.1

RMS Theor. Amplitude 0.313 +/- 0.019 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 63.8 16.9 Search (2048X32) 0.310 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 amp/seg (%) 72.2 29.5 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 ph/frq (deg) 12.4 10.0 Inc. seg. avg. 0.492 Sample rate(MISamp/s): 128 dr window (ns/s) -0.011 0.011
 amp/frq (%) 12.1 17.4 Inc. frq. avg. 0.313 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite ion window (TEC) 0.00 0.00

B: az 284.8 el 45.4 pa 55.3 Z: az 288.5 el 38.5 pa 39.1 u,v (fr/asec) 754.390 -1839.355 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/BZ..193QBF Output file: /Exps/c201d/v1/1234/No0057/BZ.W.112.193QBF

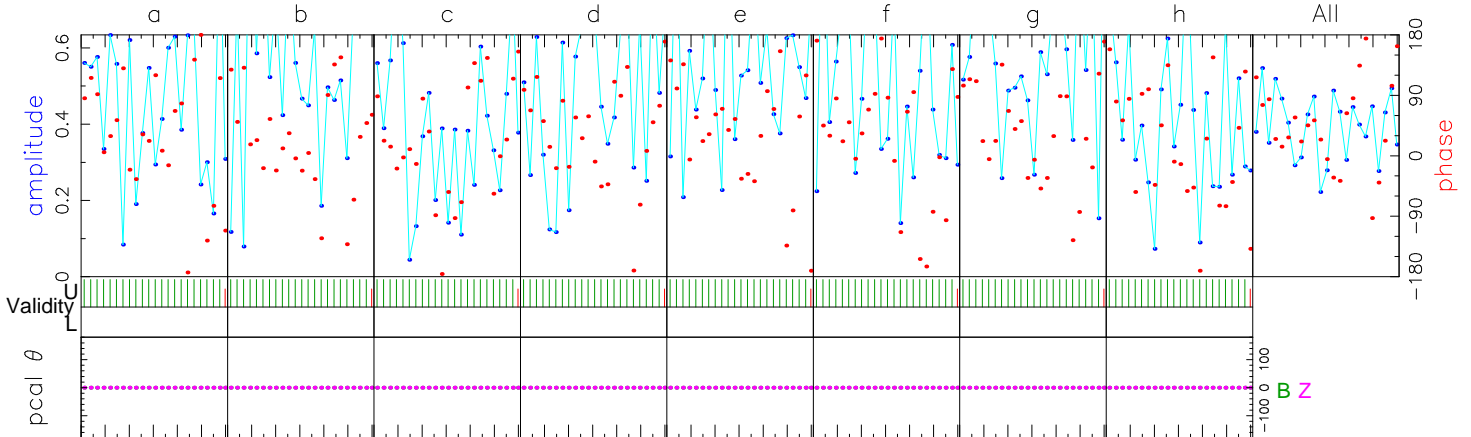


Fringe quality 9

SNR 11.0
Int time 359.266
Amp 0.211
Phase 45.8
PFD 2.8e-19
Delays (us)
SBD -0.000356
MBD -0.001234
Fringe rate (Hz)
-0.004341
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

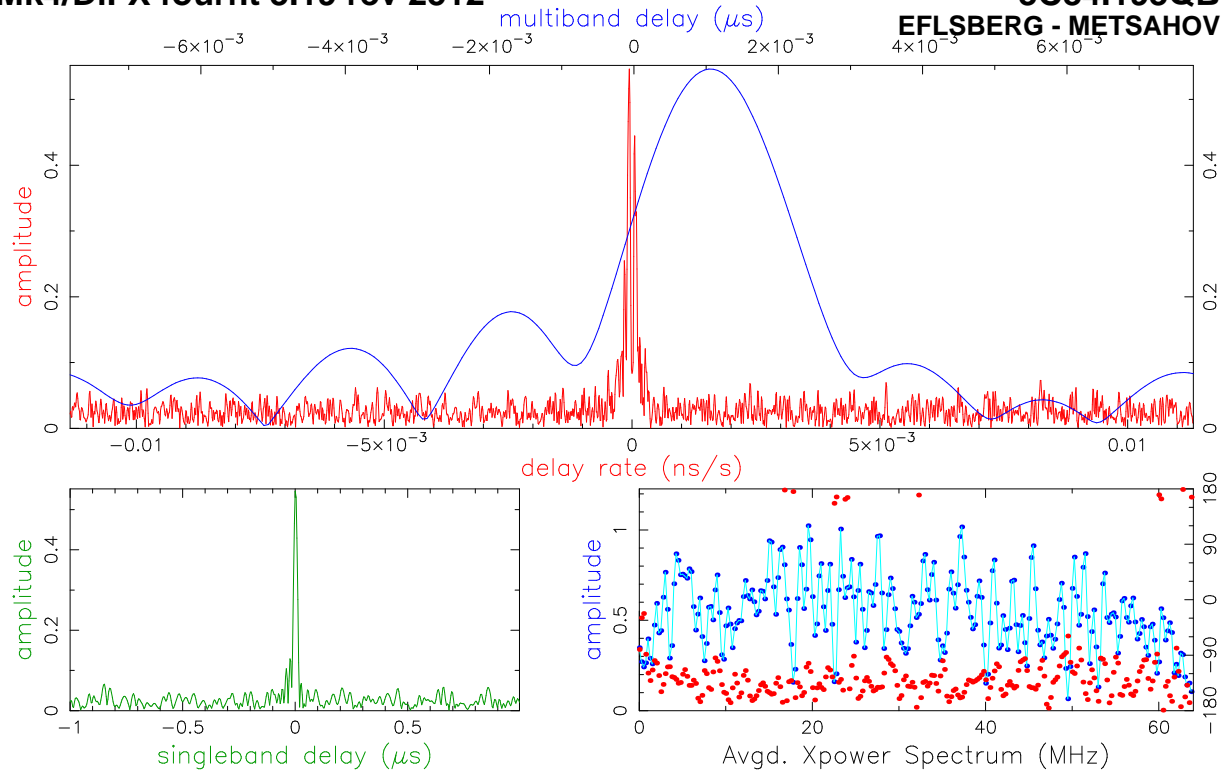
Exp. c201d
Exper # 16383
Yr:day 2020:118
Start 165000.00
Stop 165559.94
FRT 165300.00
Corr/FF/build
2020:204:103652
2020:204:122508
2020:014:135814
RA & Dec (J2000)
03h19m48.160095s
+41°30'42.104042"

Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec



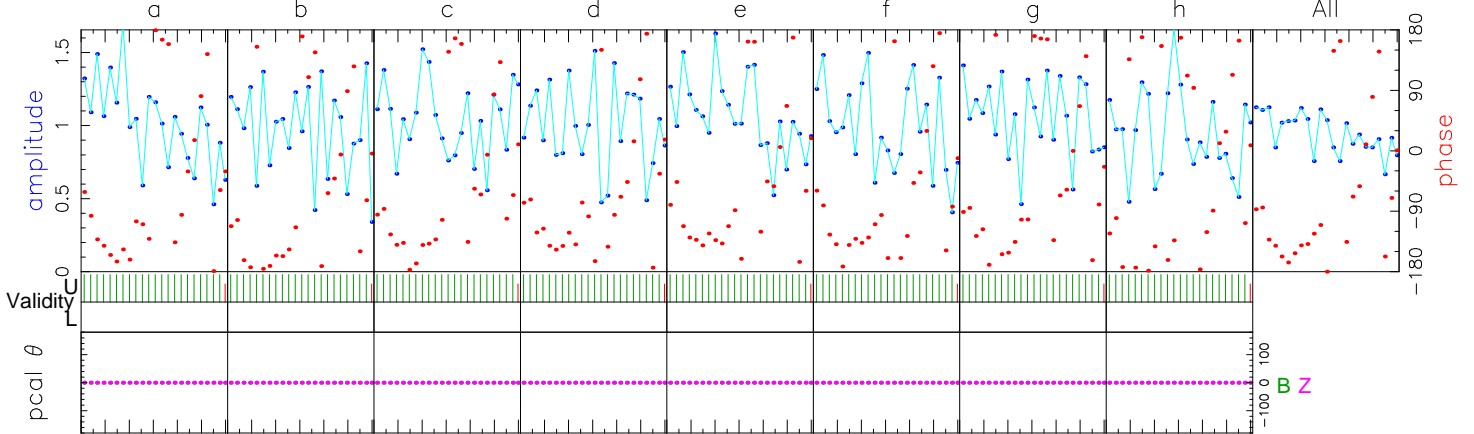
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	68.5	18.6	48.1	61.7	46.2	64.0	36.3	36.0	Phase	45.8
	0.2	0.4	0.1	0.2	0.2	0.2	0.3	0.1	Ampl.	0.2
	258.5	256.8	113.0	256.7	257.2	257.0	256.4	367.8	Sbd box	256.9
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	APs used	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
Z	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
B:Z	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
B:Z	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Z	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
Z	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	
									Tracks	
Group delay (usec)(sbd)	1.88582463186E+03		Apriori delay (usec)		1.88582586544E+03		Resid mbdelay (usec)		-1.23357E-03	+/- 9.9E-05
Sband delay (usec)	1.88582550919E+03		Apriori clock (usec)		1.3142880E+01		Resid sbdelay (usec)		-3.56250E-04	+/- 7.9E-04
Phase delay (usec)	1.88582586691E+03		Apriori clockrate (us/s)		-2.1600000E-07		Resid phdelay (usec)		1.47669E-06	+/- 3.4E-07
Delay rate (us/s)	-1.01152181111E-01		Apriori rate (us/s)		-1.01152130716E-01		Resid rate (us/s)		-5.03955E-08	+/- 1.6E-09
Total phase (deg)	63.3		Apriori accel (us/s/s)		-1.71649820579E-05		Resid phase (deg)		45.8	+/- 10.5

ph/seg (deg) 63.7 25.1 Search (2048X32) 0.202 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 96.4 43.8 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 18.4 14.8 Inc. seg. avg. 0.362 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 33.0 25.8 Inc. frq. avg. 0.214 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite dr window (ns/s) -0.011 0.011
 B: az 284.8 el 45.4 pa 55.3 Z: az 288.5 el 38.5 pa 39.1 u,v (fr/asec) 754.390 -1839.355 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/BZ..193QBF Output file: /Exps/c201d/v1/1234/No0057/BZ.W.128.193QBF



Fringe quality 6
SNR 28.6
Int time 359.266
Amp 0.552
Phase -133.1
PFD 0.0e+00
Delays (us)
SBD 0.001337
MBD 0.001097
Fringe rate (Hz)
-0.004512
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512
Exp. c201d
Exper # 16383
Yr:day 2020:118
Start 165000.00
Stop 165559.94
FRT 165300.00
Corr/FF/build
2020:204:103652
2020:204:122458
2020:014:135814
RA & Dec (J2000)
03h19m48.160095s
+41°30'42.104042"

Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec

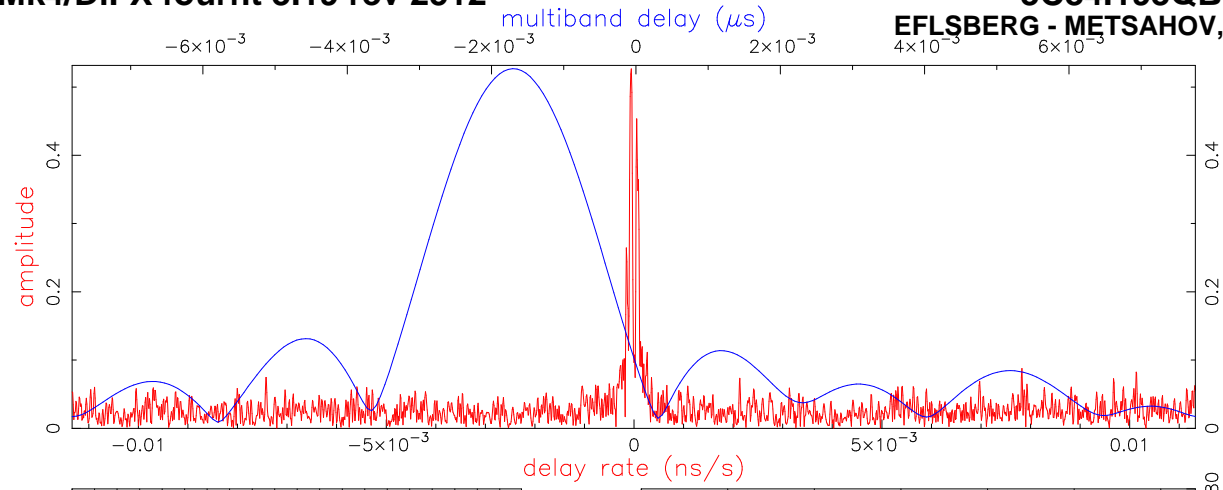


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-137.2	-150.8	-129.9	-110.7	-123.6	-120.8	-135.0	-164.2	Phase	-133.1
	0.6	0.5	0.6	0.6	0.6	0.6	0.6	0.5	Ampl.	0.6
	257.7	257.3	257.8	257.9	257.5	257.1	256.9	255.4	Sbd box	257.3
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	APs used	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
Z	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
B:Z	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
B:Z	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Z	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
Z	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	

Group delay (usec)(sbd) 1.88582696205E+03 Apriori delay (usec) 1.88582586544E+03 Resid mbdelay (usec) 1.09661E-03 +/- 3.8E-05
Sband delay (usec) 1.88582720244E+03 Apriori clock (usec) 1.3142880E+01 Resid sbdelay (usec) 1.33700E-03 +/- 3.0E-04
Phase delay (usec) 1.88582586115E+03 Apriori clockrate (us/s) -2.1600000E-07 Resid phdelay (usec) -4.29140E-06 +/- 1.3E-07
Delay rate (us/s) -1.01152183092E-01 Apriori rate (us/s) -1.01152130716E-01 Resid rate (us/s) -5.23766E-08 +/- 6.2E-10
Total phase (deg) -115.5 Apriori accel (us/s/s) -1.71649820579E-05 Resid phase (deg) -133.1 +/- 4.0

RMS Theor. Amplitude 0.552 +/- 0.019 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
ph/seg (deg) 64.7 9.6 Search (2048X32) 0.541 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
amp/seg (%) 76.0 16.8 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
ph/frq (deg) 18.5 5.7 Inc. seg. avg. 0.937 Sample rate(MISamp/s): 128 dr window (ns/s) -0.011 0.011
amp/frq (%) 7.9 9.9 Inc. frq. avg. 0.564 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite ion window (TEC) 0.00 0.00

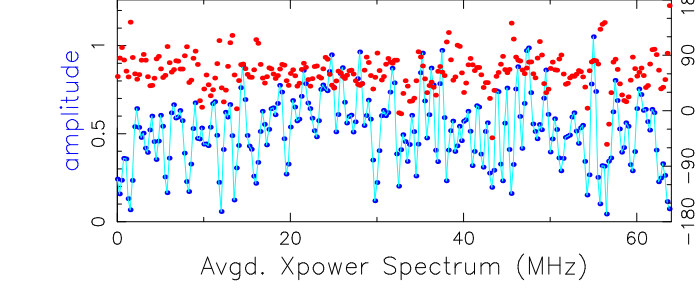
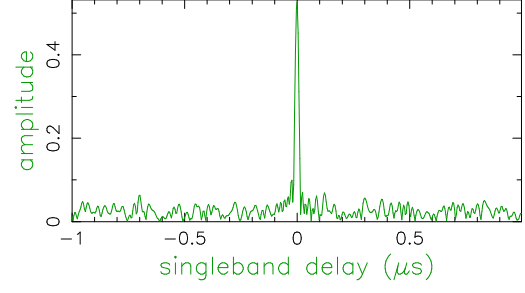
B: az 284.8 el 45.4 pa 55.3 Z: az 288.5 el 38.5 pa 39.1 u,v (fr/asec) 754.390 -1839.355 simultaneous interpolator
Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/BZ..193QBF Output file: /Exps/c201d/v1/1234/No0057/BZ.W.82.193QBF



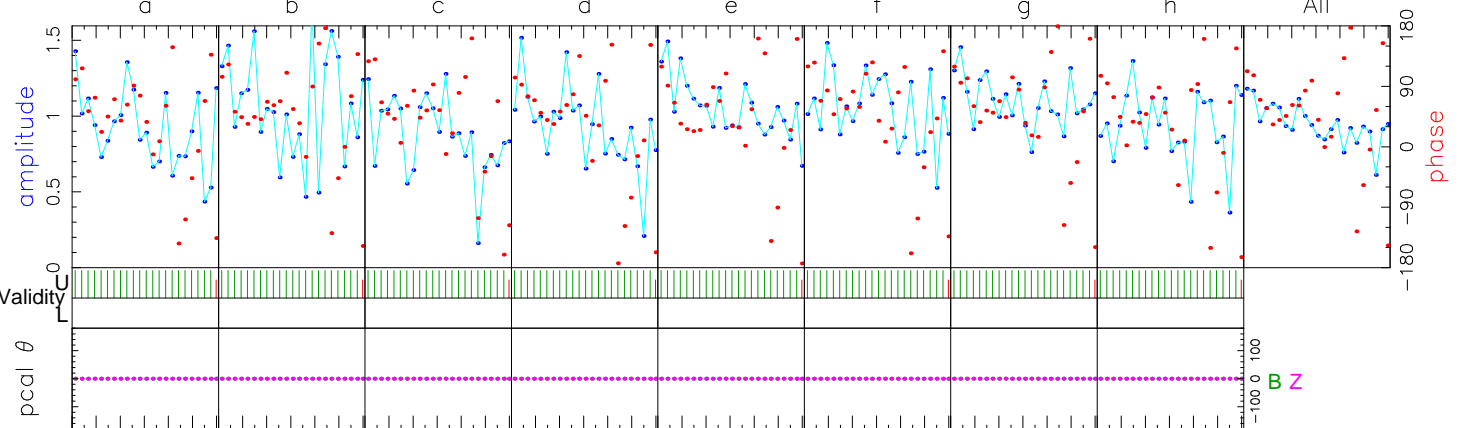
Fringe quality 7

SNR 27.6
Int time 359.266
Amp 0.532
Phase 67.9
PFD 0.0e+00
Delays (us)
SBD -0.001264
MBD -0.001728
Fringe rate (Hz)
-0.004725
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

Exp. c201d
Exper # 16383
Yr:day 2020:118
Start 165000.00
Stop 165559.94
FRT 165300.00
Corr/FF/build
2020:204:103652
2020:204:122502
2020:014:135814
RA & Dec (J2000)
03h19m48.160095s
+41°30'42.104042"



Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0		
B	1000	1000	1000	1000	1000	1000	1000	1000		
Z	1000	1000	1000	1000	1000	1000	1000	1000		
B:Z	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
B:Z	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
B	1000	1000	1000	1000	1000	1000	1000	1000		
Z	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		
Z	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		
Group delay (usec)(sbd)	1.88582413714E+03		Apriori delay (usec)		1.88582586544E+03		Resid mbdelay (usec)		-1.72829E-03	+/- 3.9E-05
Sband delay (usec)	1.88582460119E+03		Apriori clock (usec)		1.3142880E+01		Resid sbdelay (usec)		-1.26425E-03	+/- 3.1E-04
Phase delay (usec)	1.88582586763E+03		Apriori clockrate (us/s)		-2.1600000E-07		Resid phdelay (usec)		2.18835E-06	+/- 1.3E-07
Delay rate (us/s)	-1.01152185563E-01		Apriori rate (us/s)		-1.01152130716E-01		Resid rate (us/s)		-5.48473E-08	+/- 6.5E-10
Total phase (deg)	85.4		Apriori accel (us/s/s)		-1.71649820579E-05		Resid phase (deg)		67.9	+/- 4.2

ph/seg (deg) 67.0 10.0 Search (2048X32) 0.516 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 81.9 17.4 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 7.6 5.9 Inc. seg. avg. 0.934 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 9.3 10.3 Inc. frq. avg. 0.527 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite dr window (ns/s) -0.011 0.011
 B: az 284.8 el 45.4 pa 55.3 Z: az 288.5 el 38.5 pa 39.1 u,v (fr/asec) 754.390 -1839.355 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c201d/v1/1234/No0057/BZ..193QBF Output file: /Exps/c201d/v1/1234/No0057/BZ.W.94.193QBF