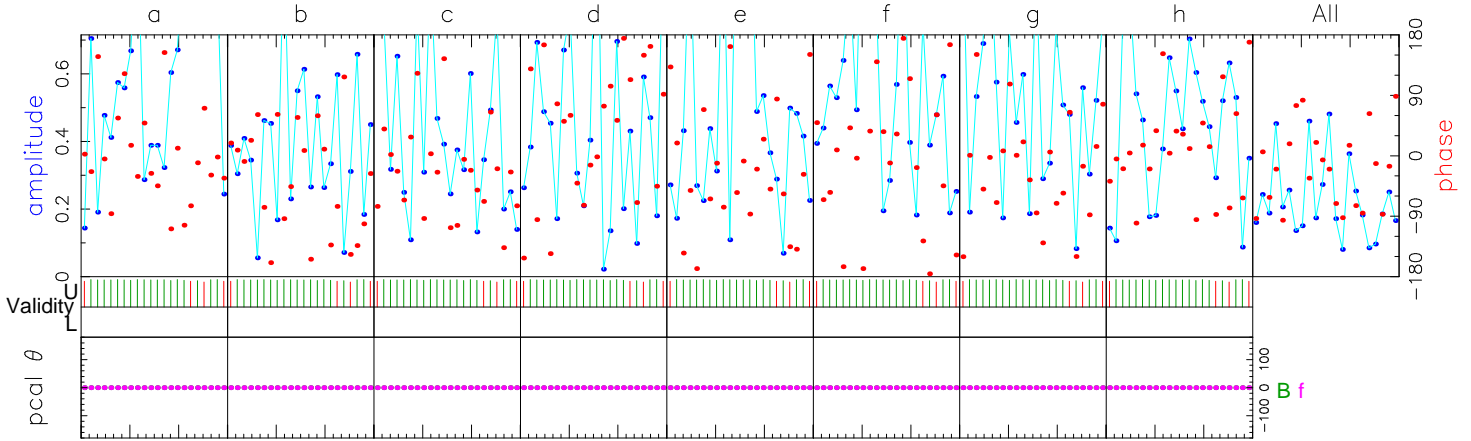


Fringe quality 0

SNR 5.9
Int time 175.794
Amp 0.239
Phase -21.9
PFD 3.4e-01
Delays (us)
SBD 0.751403
MBD -0.001179
Fringe rate (Hz)
0.902157
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

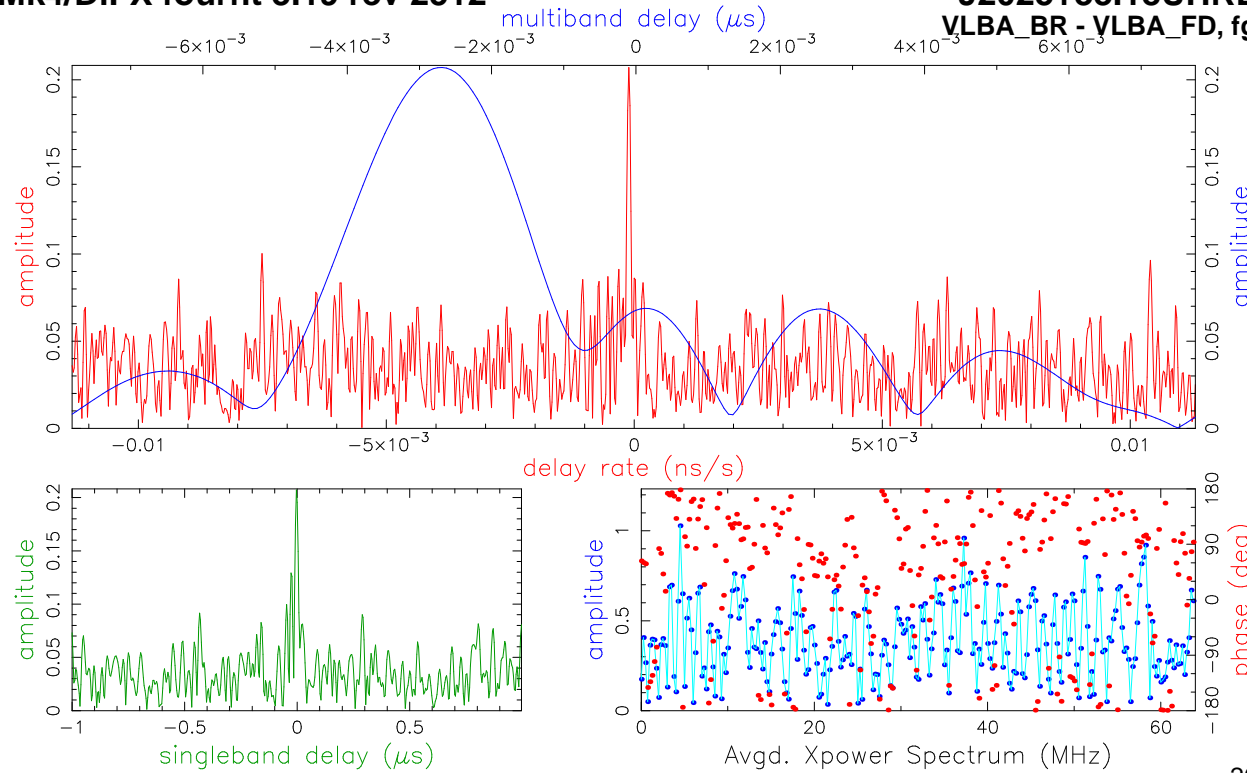
Exp. c201b
Exper # 16383
Yr:day 2020:117
Start 090000.00
Stop 090300.22
FRT 090130.00
Corr/FF/build
2020:198:173855
2020:199:143631
2020:014:135814
RA & Dec (J2000)
20h25m10.842106s
+33°43'00.214364"

Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-19.8	-47.6	-24.5	74.4	-59.4	88.2	-27.7	3.1	Phase	-21.9
	0.5	0.2	0.3	0.2	0.4	0.1	0.3	0.3	Ampl.	0.3
	449.2	267.9	451.5	221.9	449.7	270.6	9.2	56.0	Sbd box	449.4
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0	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	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	2.69516321725E+03		Apriori delay (usec)		2.69441439590E+03		Resid mbdelay (usec)		-1.17864E-03	+/- 1.8E-04
Sband delay (usec)	2.69516579865E+03		Apriori clock (usec)		9.1495876E+00		Resid sbdelay (usec)		7.51403E-01	+/- 1.5E-03
Phase delay (usec)	2.69441439519E+03		Apriori clockrate (us/s)		-3.0900000E-07		Resid phdelay (usec)		-7.06166E-07	+/- 6.2E-07
Delay rate (us/s)	-1.59897976311E+00		Apriori rate (us/s)		-1.59899023627E+00		Resid rate (us/s)		1.04732E-05	+/- 6.0E-09
Total phase (deg)	0.6		Apriori accel (us/s/s)		2.17458439186E-06		Resid phase (deg)		-21.9	+/- 19.4

ph/seg (deg) 58.6 45.4 Search (1024X32) 0.157 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 80.9 79.3 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 63.4 27.4 Inc. seg. avg. 0.256 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 55.3 47.8 Inc. frq. avg. 0.252 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 264.9 el 50.1 pa 49.5 f: az 69.5 el 39.4 pa -75.8 u,v (fr/asec) 11021.305 1985.082 simultaneous interpolator

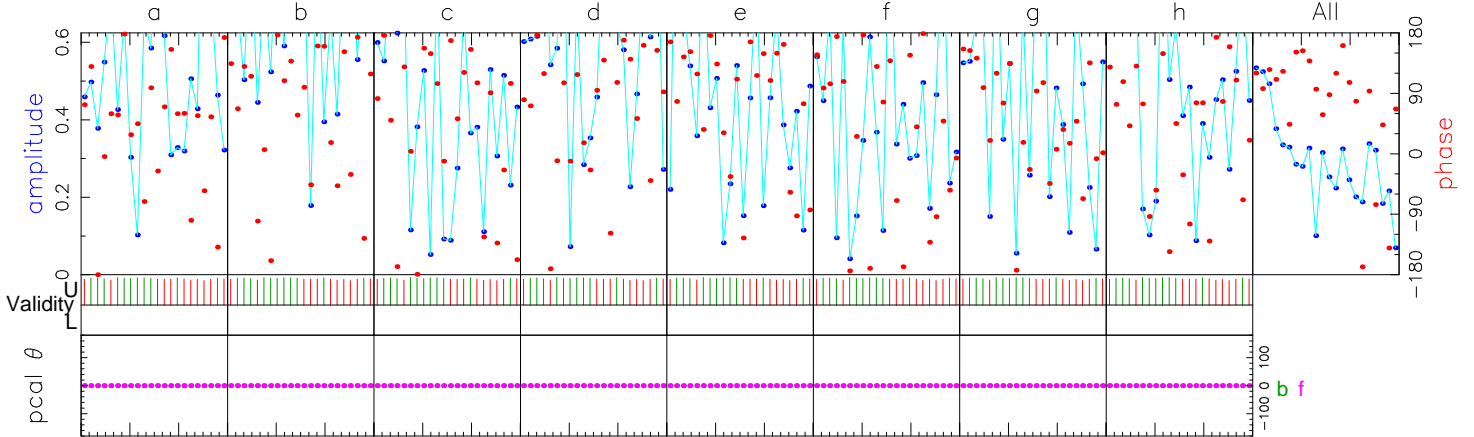


Fringe quality 9

SNR 7.5
Int time 171.617
Amp 0.208
Phase 113.9
PFD 1.4e-05
Delays (us)
SBD -0.003006
MBD -0.002673
Fringe rate (Hz)
-0.008747
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

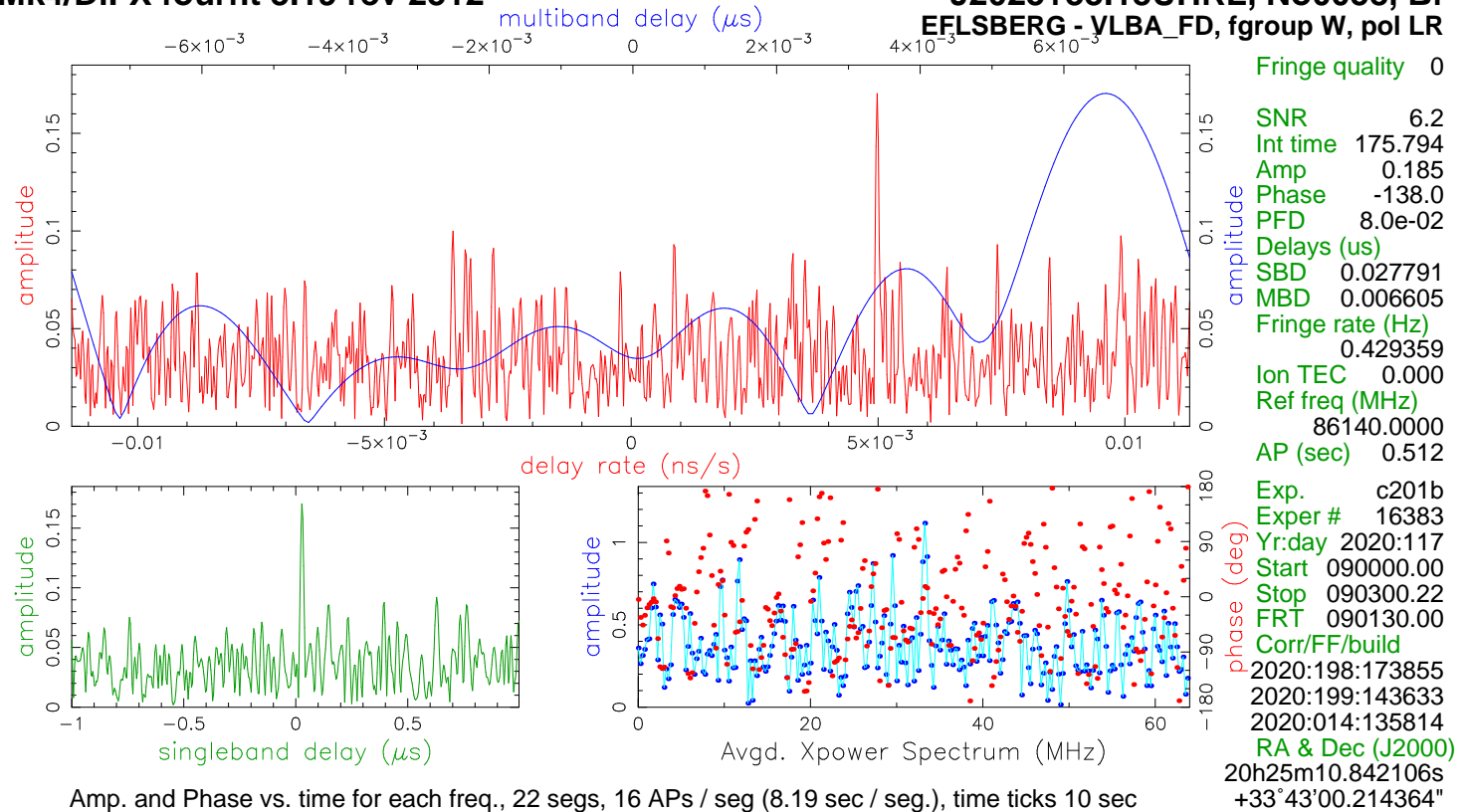
Exp. c201b
Exper # 16383
Yr:day 2020:117
Start 090000.00
Stop 090300.22
FRT 090130.00
Corr/FF/build
2020:198:173855
2020:199:143632
2020:014:135814
RA & Dec (J2000)
20h25m10.842106s
+33°43'00.214364"

Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec

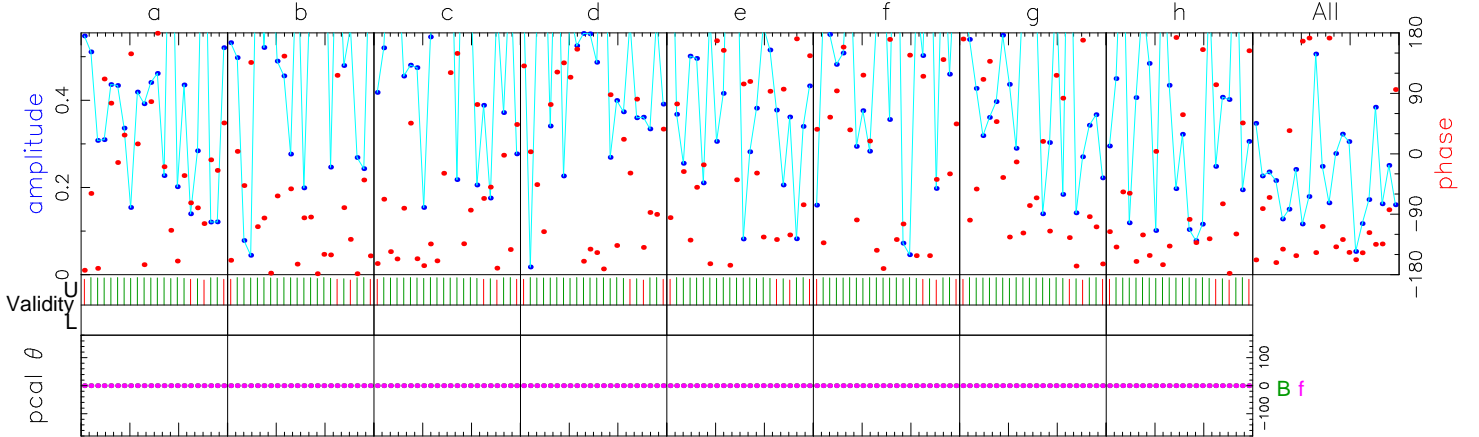


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All	
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0			
b	1000	1000	1000	1000	1000	1000	1000	1000			
f	1000	1000	1000	1000	1000	1000	1000	1000			
b:f	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0			
b:f	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0			
b	1000	1000	1000	1000	1000	1000	1000	1000			
f	1000	1000	1000	1000	1000	1000	1000	1000			
b	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR			
f	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR			
Group delay (usec)(sbd)	-1.92908761642E+03				-1.92908494339E+03				Resid mbdelay (usec)	-2.67303E-03	+/- 1.5E-04
Sband delay (usec)	-1.92908794939E+03				-5.3082142E+00				Resid sbdelay (usec)	-3.00600E-03	+/- 1.2E-03
Phase delay (usec)	-1.92908493972E+03				-1.5100001E-07				Resid phdelay (usec)	3.67379E-06	+/- 5.0E-07
Delay rate (us/s)	-1.27681006193E-01				-1.27680904654E-01				Resid rate (us/s)	-1.01539E-07	+/- 4.8E-09
Total phase (deg)			105.3						Resid phase (deg)	113.9	+/- 15.4

ph/seg (deg) 56.0 36.0 Amplitude 0.208 +/- 0.028 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 69.9 62.9 Search (1024X32) 0.199 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 32.2 21.7 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 25.5 37.9 Inc. seg. avg. 0.246 Sample rate(MISamp/s): 128 dr window (ns/s) -0.011 0.011
 b: az 74.4 el 33.0 pa -50.7 f: az 69.5 el 39.4 pa -75.8 u,v (fr/asec) 900.695 3037.579 nlags: 256 t_cohere infinite ion window (TEC) 0.00 0.00
 Control file: cf_1234_gmva Input file: /Exps/c201b/v1/1234/No0058/bf..18UHRL Output file: /Exps/c201b/v1/1234/No0058/bf.W.14.18UHRL simultaneous interpolator



Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec

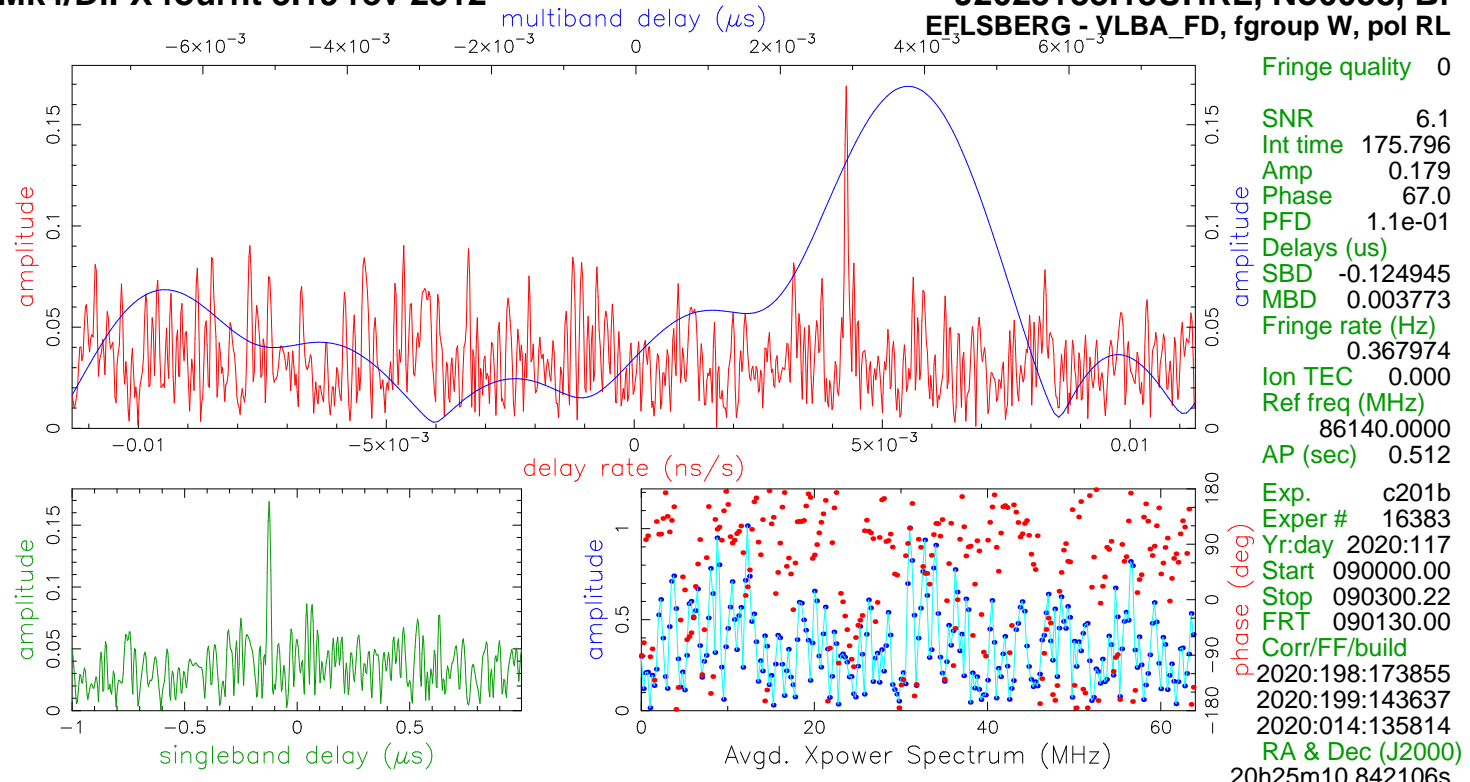


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-86.3	-138.1	-133.9	-173.1	-127.3	173.7	-112.0	-132.8	Phase	-138.0
	0.1	0.3	0.3	0.2	0.2	0.2	0.2	0.3	Ampl.	0.2
	309.8	264.6	262.3	355.2	240.7	351.2	341.9	200.5	Sbd box	264.1
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0	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	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
f	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	2.69443662635E+03		Apriori delay (usec)	2.69441439590E+03	Resid mbdelay (usec)	6.60545E-03	+/-	1.8E-04		
Sband delay (usec)	2.69444218715E+03		Apriori clock (usec)	9.1495876E+00	Resid sbdelay (usec)	2.77913E-02	+/-	1.4E-03		
Phase delay (usec)	2.69441439145E+03		Apriori clockrate (us/s)	-3.0900000E-07	Resid phdelay (usec)	-4.44870E-06	+/-	6.0E-07		
Delay rate (us/s)	-1.59898525183E+00		Apriori rate (us/s)	-1.59899023627E+00	Resid rate (us/s)	4.98444E-06	+/-	5.7E-09		
Total phase (deg)		-115.5	Apriori accel (us/s/s)	2.17458439186E-06	Resid phase (deg)	-138.0	+/-	18.5		

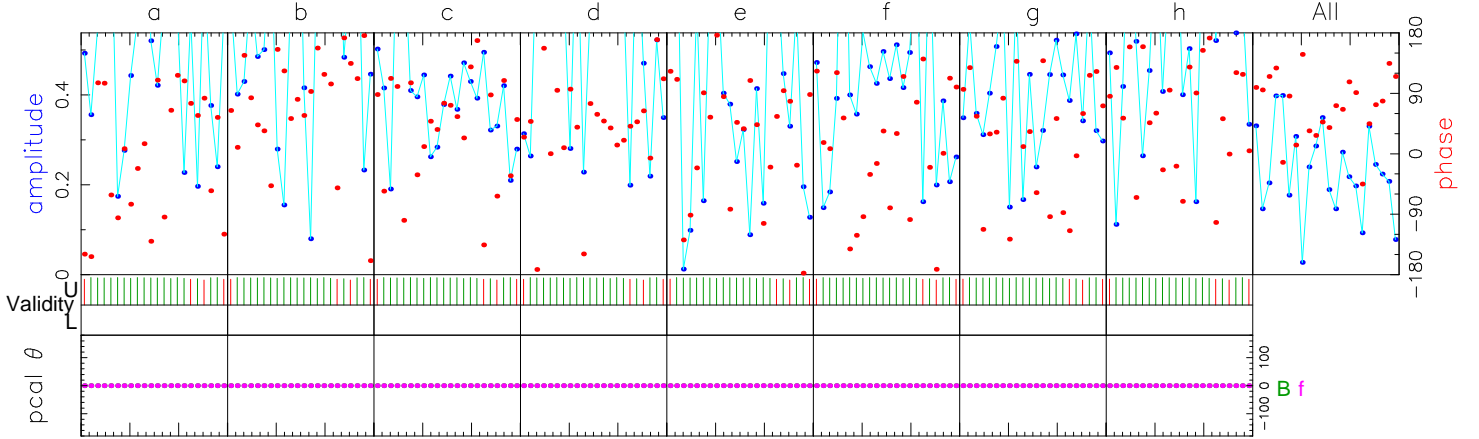
ph/seg (deg) 55.9 43.5 Amplitude 0.185 +/- 0.030 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 67.3 75.8 Search (1024X32) 0.165 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 34.3 26.2 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 39.9 45.7 Inc. seg. avg. 0.190 Sample rate(MISamp/s): 128 dr window (ns/s) -0.011 0.011
 Inc. frq. avg. 0.183 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite ion window (TEC) 0.00 0.00

B: az 264.9 el 50.1 pa 49.5 f: az 69.5 el 39.4 pa -75.8 u,v (fr/asec) 11021.305 1985.082 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c201b/v1/1234/No0058/Bf..18UHRL Output file: /Exps/c201b/v1/1234/No0058/Bf.W.17.18UHRL



Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec

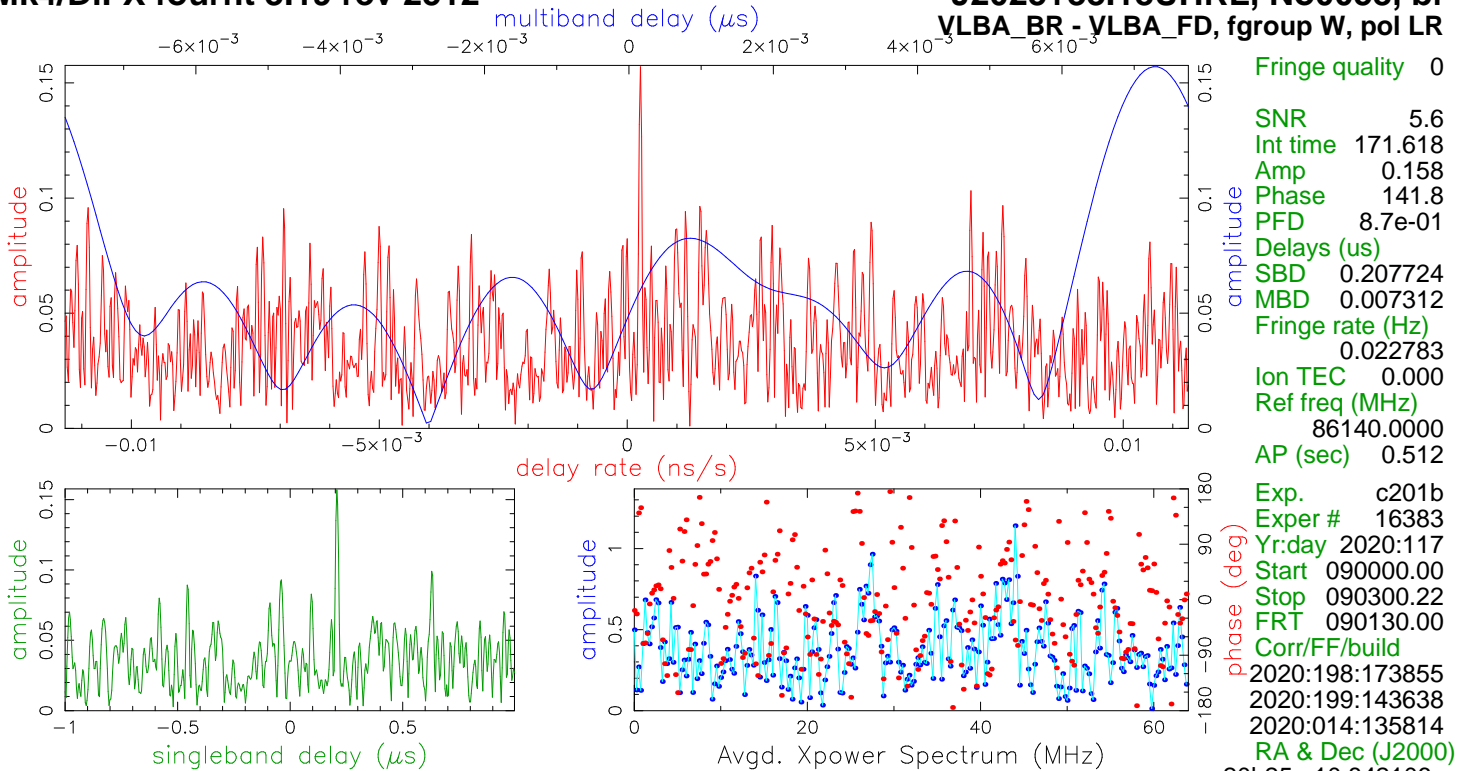


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	37.2	93.6	67.0	54.3	59.7	27.7	73.9	89.7	Phase	67.0
	0.1	0.3	0.2	0.4	0.2	0.1	0.2	0.2	Ampl.	0.2
	378.2	225.2	59.4	225.8	501.9	220.1	102.2	95.6	Sbd box	225.0
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0	APs used	
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	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	
									Tracks	
Group delay (usec)(sbd)	2.69429316920E+03		Apriori delay (usec)		2.69441439590E+03		Resid mbdelay (usec)		3.77330E-03	+/- 1.8E-04
Sband delay (usec)	2.69428945065E+03		Apriori clock (usec)		9.1495876E+00		Resid sbdelay (usec)		-1.24945E-01	+/- 1.4E-03
Phase delay (usec)	2.69441439806E+03		Apriori clockrate (us/s)		-3.0900000E-07		Resid phdelay (usec)		2.16118E-06	+/- 6.0E-07
Delay rate (us/s)	-1.59898596445E+00		Apriori rate (us/s)		-1.59899023627E+00		Resid rate (us/s)		4.27181E-06	+/- 5.8E-09
Total phase (deg)			Apriori accel (us/s/s)		2.17458439186E-06		Resid phase (deg)		67.0	+/- 18.7

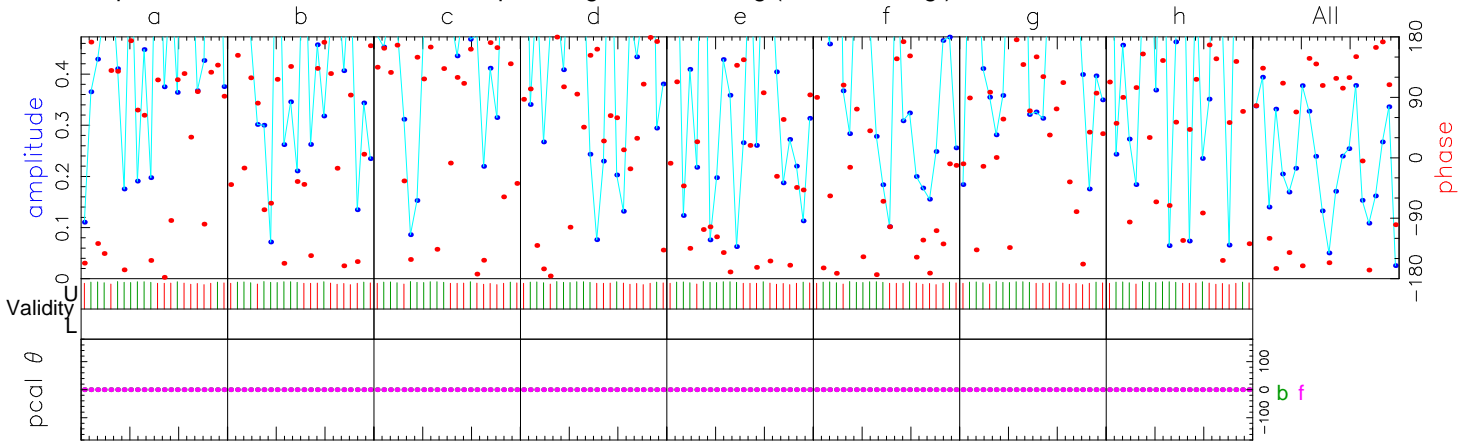
	RMS	Theor.	Amplitude	0.179 +/- 0.029	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-1.000	1.000
ph/seg (deg)	47.5	43.8	Search (1024X32)	0.167	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		mb window (us)	-0.008	0.008
amp/seg (%)	67.7	76.5	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	dr window (ns/s)	-0.011	0.011
ph/frq (deg)	25.6	26.4	Inc. seg. avg.	0.189	Sample rate(MISamp/s): 128		ion window (TEC)	0.00	0.00
amp/frq (%)	48.1	46.1	Inc. frq. avg.	0.173	Data rate(Mb/s): 2048	nlags: 256 t_cohere infinite			

B: az 264.9 el 50.1 pa 49.5 f: az 69.5 el 39.4 pa -75.8 u,v (fr/asec) 11021.305 1985.082 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c201b/v1/1234/No0058/Bf..18UHRL Output file: /Exps/c201b/v1/1234/No0058/Bf.W.28.18UHRL

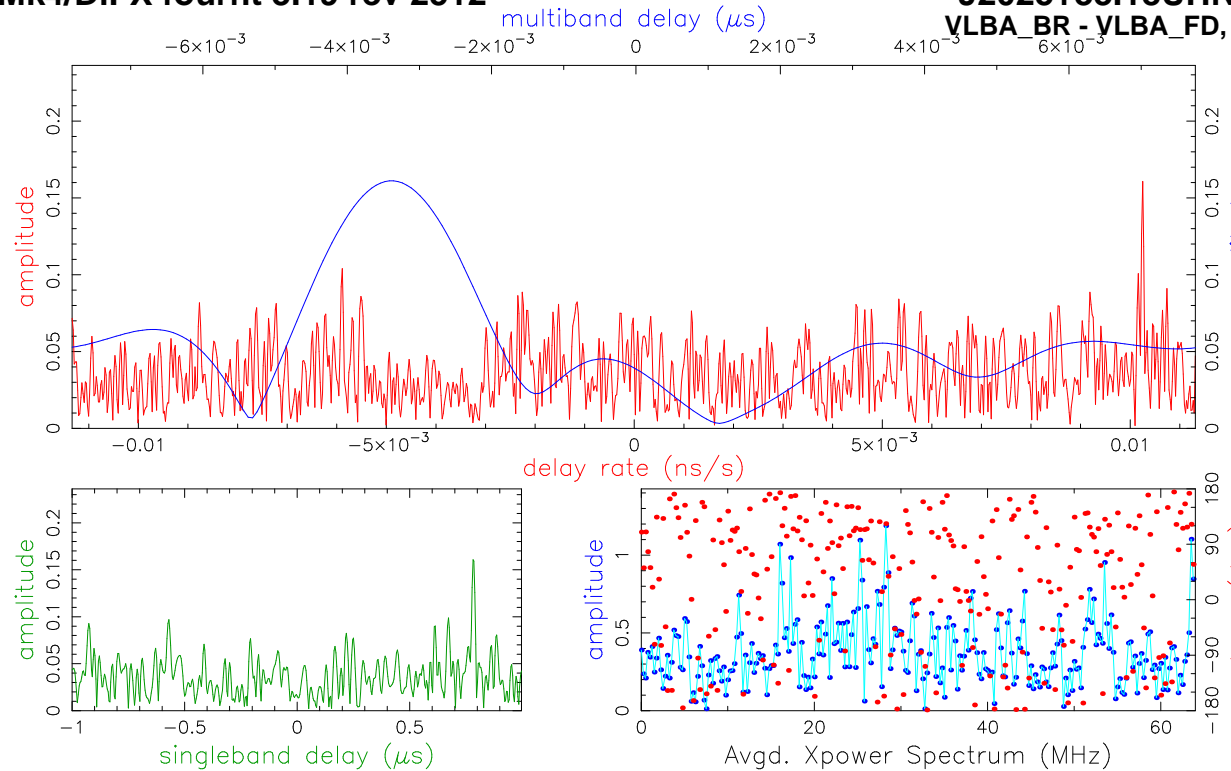


Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



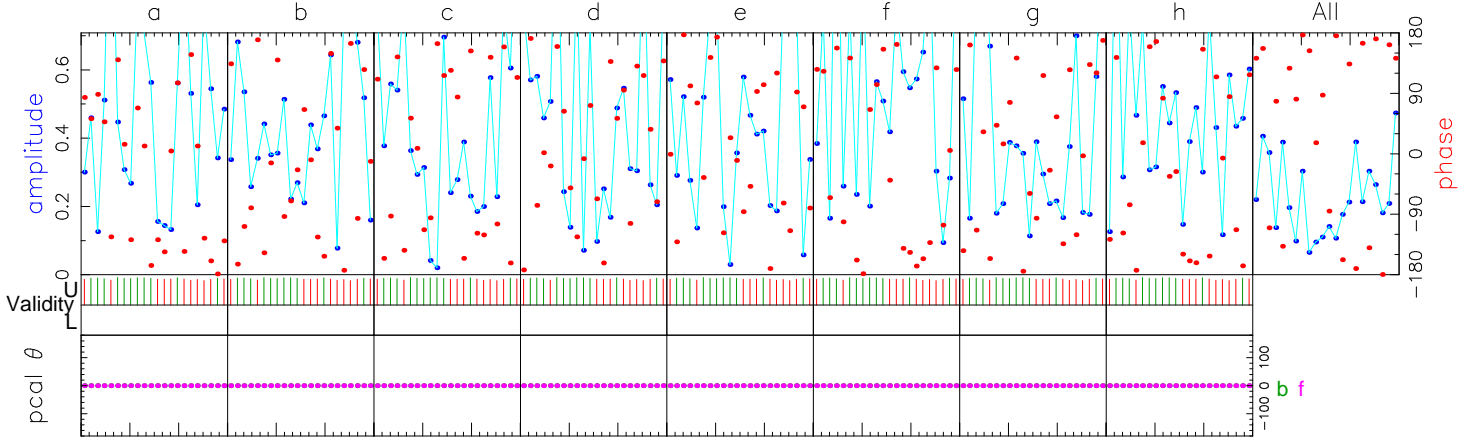
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
139.5	122.5	155.2	122.5	-142.0	-178.3	106.3	134.4	134.4	Phase	141.8
0.3	0.1	0.3	0.2	0.0	0.1	0.1	0.2	0.2	Ampl.	0.2
309.8	173.3	445.7	379.2	98.6	282.4	424.3	139.9	139.9	Sbd box	310.2
U/L 352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0	APs used	
b 1000	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
f 1000	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	0:0	PC phase	
b:f 0:0	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	1000	PC amp	
f 1000	1000	1000	1000	1000	1000	1000	1000	1000		
b W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		Chan ids	
f W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	-1.92887450595E+03		Apriori delay (usec)	-1.92908494339E+03	Resid mbdelay (usec)	7.31244E-03	+/-	1.9E-04		
Sband delay (usec)	-1.92887721914E+03		Apriori clock (usec)	-5.3082142E+00	Resid sbdelay (usec)	2.07724E-01	+/-	1.5E-03		
Phase delay (usec)	-1.92908493882E+03		Apriori clockrate (us/s)	-1.5100001E-07	Resid phdelay (usec)	4.57260E-06	+/-	6.5E-07		
Delay rate (us/s)	-1.27680640165E-01		Apriori rate (us/s)	-1.27680904654E-01	Resid rate (us/s)	2.64489E-07	+/-	6.3E-09		
Total phase (deg)		133.2	Apriori accel (us/s/s)	2.49710314581E-05	Resid phase (deg)	141.8	+/-	20.3		

ph/seg (deg) 60.3 47.6 Amplitude 0.158 +/- 0.028 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 80.3 83.1 Search (1024X32) 0.156 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 40.1 28.7 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 55.0 50.1 Inc. seg. avg. 0.170 Sample rate(MISamp/s): 128 dr window (ns/s) -0.011 0.011
 b: az 74.4 el 33.0 pa -50.7 f: az 69.5 el 39.4 pa -75.8 u,v (fr/asec) 900.695 3037.579 nlags: 256 t_cohere infinite ion window (TEC) 0.00 0.00
 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c201b/v1/1234/No0058/bf..18UHRL Output file: /Exps/c201b/v1/1234/No0058/bf.W.33.18UHRL



Fringe quality 0
 SNR 5.9
 Int time 171.618
 Amp 0.236
 Phase 172.8
 PFD 4.0e-01
 Delays (us)
 SBD 0.783050
 MBD -0.003306
 Fringe rate (Hz)
 0.883981
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512
 Exp. c201b
 Exper # 16383
 Yr:day 2020:117
 Start 090000.00
 Stop 090300.22
 FRT 090130.00
 Corr/FF/build
 2020:198:173855
 2020:199:143640
 2020:014:135814
 RA & Dec (J2000)
 20h25m10.842106s
 +33°43'00.214364"

Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec

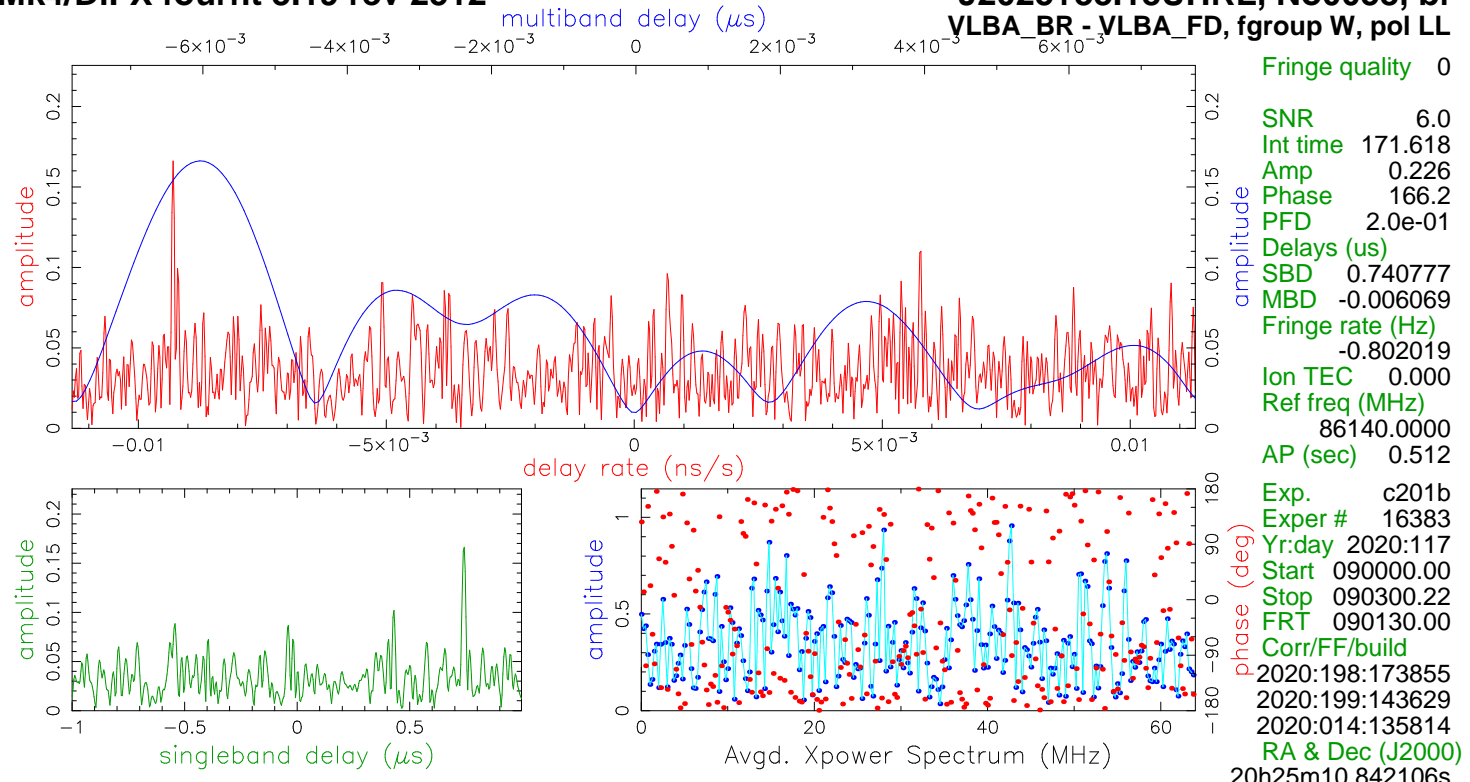


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0		
b	1000	1000	1000	1000	1000	1000	1000	1000		
f	1000	1000	1000	1000	1000	1000	1000	1000		
b:f	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
b:f	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
b	1000	1000	1000	1000	1000	1000	1000	1000		
f	1000	1000	1000	1000	1000	1000	1000	1000		
b	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		
f	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		

Group delay (usec)(sbd)	-1.92830699953E+03	Apriori delay (usec)	-1.92908494339E+03	Resid mbdelay (usec)	-3.30614E-03	+/-	1.8E-04
Sband delay (usec)	-1.92830189389E+03	Apriori clock (usec)	-5.3082142E+00	Resid sbdelay (usec)	7.83050E-01	+/-	1.5E-03
Phase delay (usec)	-1.92908493782E+03	Apriori clockrate (us/s)	-1.5100001E-07	Resid phdelay (usec)	5.57110E-06	+/-	6.3E-07
Delay rate (us/s)	-1.27670642508E-01	Apriori rate (us/s)	-1.27680904654E-01	Resid rate (us/s)	1.02621E-05	+/-	6.0E-09
Total phase (deg)	164.1	Apriori accel (us/s/s)	2.49710314581E-05	Resid phase (deg)	172.8	+/-	19.5

ph/seg (deg)	59.9	Theor.	45.7	Amplitude	0.236 +/- 0.040	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5
amp/seg (%)	79.7	Search (1024X32)	0.154	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000	1.000	
ph/frq (deg)	26.2	Inc. seg. avg.	0.250	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.008	0.008
amp/frq (%)	52.8	Inc. frq. avg.	0.219	Sample rate (MSamp/s):	128	ion window (TEC)	0.00	0.00	

b: az 74.4 el 33.0 pa -50.7 f: az 69.5 el 39.4 pa -75.8 u,v (fr/asec) 900.695 3037.579 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c201b/v1/1234/No0058/bf..18UHRL Output file: /Exps/c201b/v1/1234/No0058/bf.W.41.18UHRL



Fringe quality 0

SNR 6.0

Int time 171.618

Amp 0.226

Phase 166.2

PFD 2.0e-01

Delays (us)

SBD 0.740777

MBD -0.006069

Fringe rate (Hz)

-0.802019

Ion TEC 0.000

Ref freq (MHz)

86140.0000

AP (sec) 0.512

Exp. c201b

Exper # 16383

Yr:day 2020:117

Start 090000.00

Stop 090300.22

FRT 090130.00

Corr/FF/build

2020:198:173855

2020:199:143629

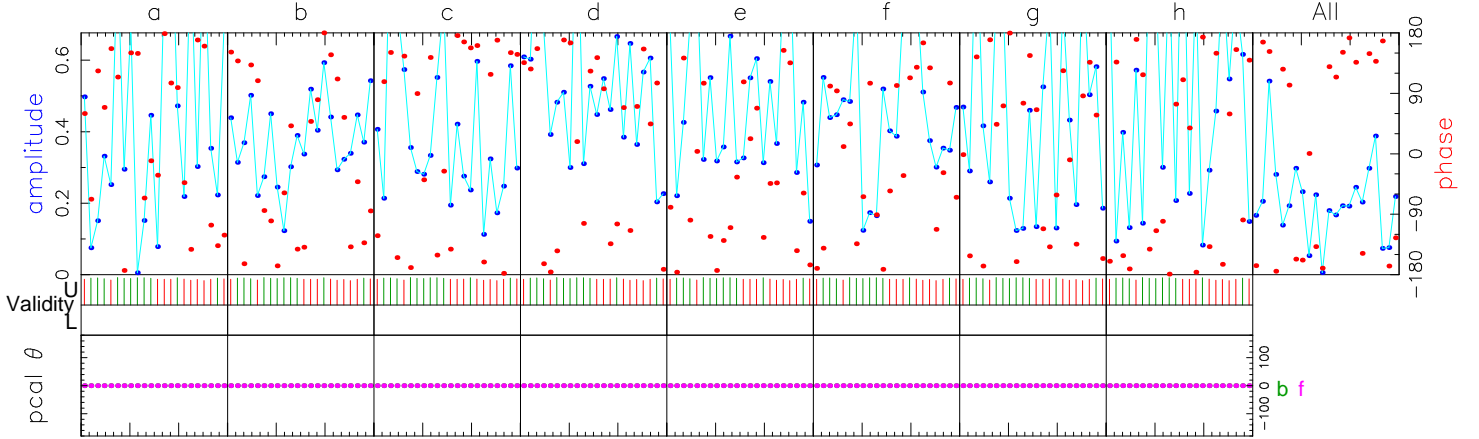
2020:014:135814

RA & Dec (J2000)

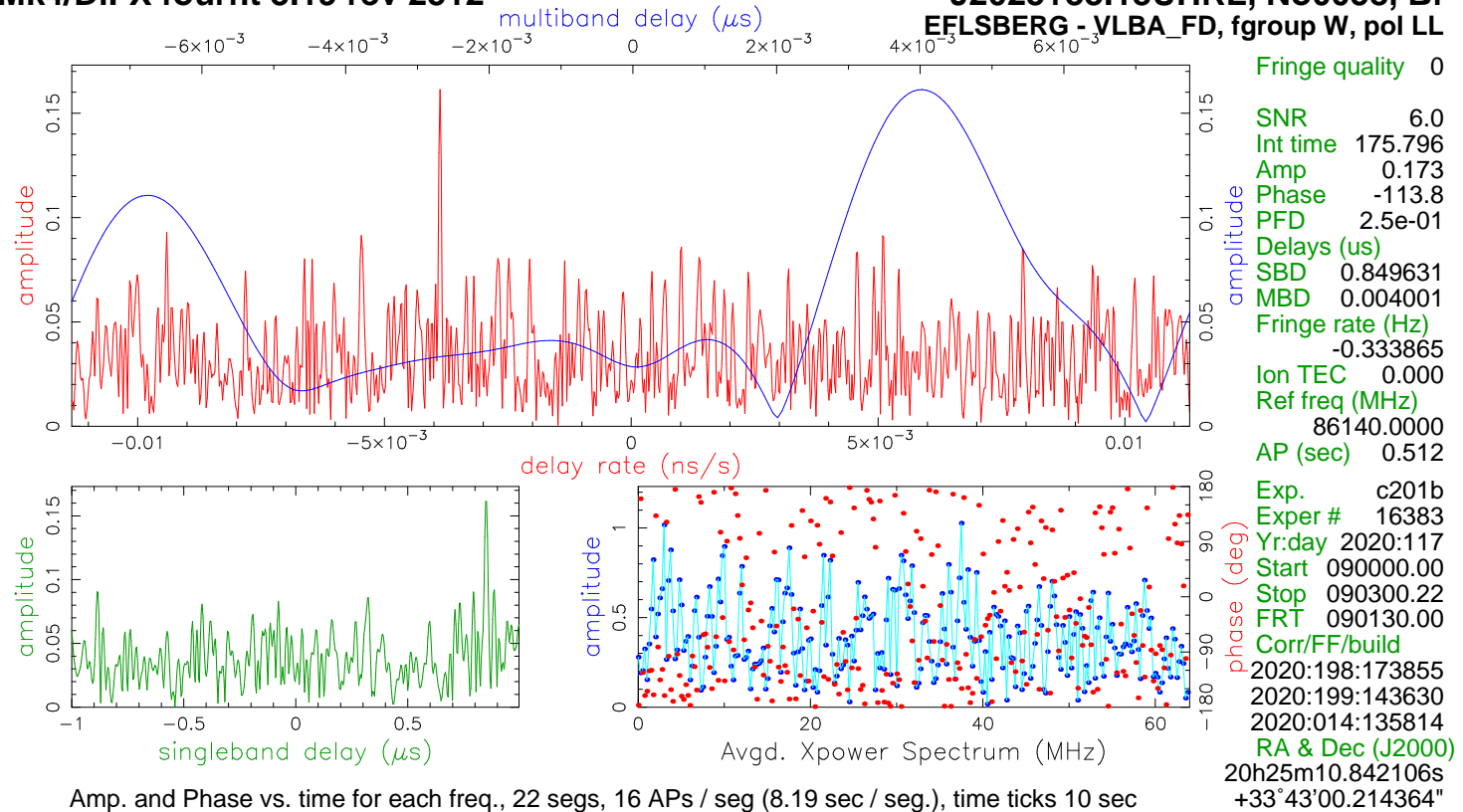
20h25m10.842106s

+33°43'00.214364"

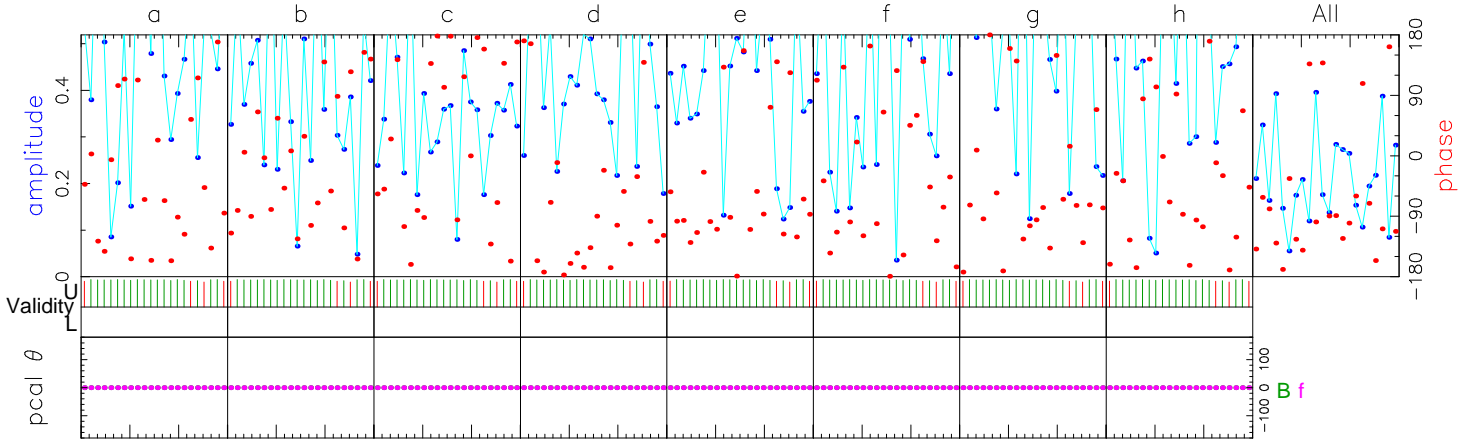
Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0		
b	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
f	1000	1000	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	0:0	0:0
b:f	0:0	0:0	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	1000	1000
f	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
b	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		
f	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		
Group delay (usec)(sbd)	-1.92834101258E+03				-1.92908494339E+03				-6.06918E-03	+/- 1.8E-04
Sband delay (usec)	-1.92834416639E+03				-5.3082142E+00				7.40777E-01	+/- 1.4E-03
Phase delay (usec)	-1.92908493803E+03				-1.5100001E-07				5.35978E-06	+/- 6.1E-07
Delay rate (us/s)	-1.27690215301E-01				-1.27680904654E-01				-9.31065E-06	+/- 5.9E-09
Total phase (deg)			157.6		2.49710314581E-05				166.2	+/- 19.0
pcal mode:	MANUAL, MANUAL		PC period (AP's) 5, 5							
pcal rate:	0.000E+00, 0.000E+00 (us/s)		Search (1024X32)		0.154		SampCntNorm: enabled		sb window (us) -1.000 1.000	
Bits/sample:	2x2		Interp.		0.000		Sample rate(MISamp/s): 128		mb window (us) -0.008 0.008	
Data rate(Mb/s):	2048		Inc. seg. avg.		0.214		Data rate(Mb/s): 2048		dr window (ns/s) -0.011 0.011	
			Inc. frq. avg.		0.224		nlags: 256 t_cohere infinite		ion window (TEC) 0.00 0.00	
b: az 74.4 el 33.0 pa -50.7	f: az 69.5 el 39.4 pa -75.8		u,v (fr/asec) 900.695 3037.579						simultaneous interpolator	



Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-98.9	-57.6	-172.6	-136.8	-103.8	169.9	-110.8	-97.0	Phase	-113.8
	0.1	0.1	0.1	0.3	0.3	0.1	0.3	0.2	Ampl.	0.2
	158.0	230.3	402.6	474.0	475.3	459.7	474.4	475.9	Sbd box	474.5
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0	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	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
f	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	2.69526214699E+03					2.69441439590E+03			Resid mbdelay (usec)	4.00109E-03 +/- 1.8E-04
Sband delay (usec)	2.69526402665E+03					9.1495876E+00			Resid sbdelay (usec)	8.49631E-01 +/- 1.4E-03
Phase delay (usec)	2.69441439222E+03					-3.0900000E-07			Resid phdelay (usec)	-3.67131E-06 +/- 6.2E-07
Delay rate (us/s)	-1.59899411210E+00					-1.59899023627E+00			Resid rate (us/s)	-3.87584E-06 +/- 5.9E-09
Total phase (deg)			-91.4			2.17458439186E-06			Resid phase (deg)	-113.8 +/- 19.2

ph/seg (deg) 57.6 45.0 Amplitude 0.173 +/- 0.029 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5

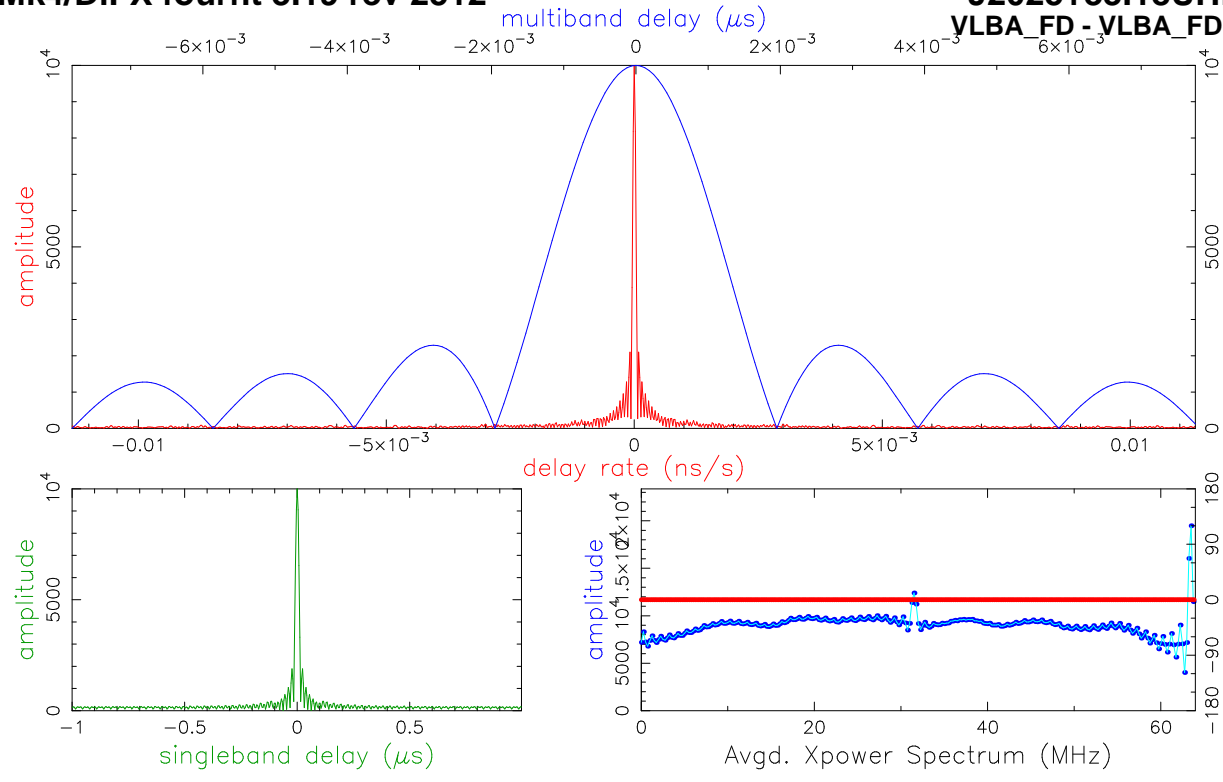
amp/seg (%) 66.8 78.5 Search (1024X32) 0.160 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000

ph/frq (deg) 47.6 27.1 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008

amp/frq (%) 54.2 47.3 Inc. seg. avg. 0.174 Sample rate(MISamp/s): 128 dr window (ns/s) -0.011 0.011

B: az 264.9 el 50.1 pa 49.5 f: az 69.5 el 39.4 pa -75.8 u,v (fr/asec) 11021.305 1985.082 nlags: 256 t_cohere infinite ion window (TEC) 0.00 0.00

Control file: cf_1234_gmva Input file: /Exps/c201b/v1/1234/No0058/Bf..18UHRL Output file: /Exps/c201b/v1/1234/No0058/Bf.W.5.18UHRL simultaneous interpolator

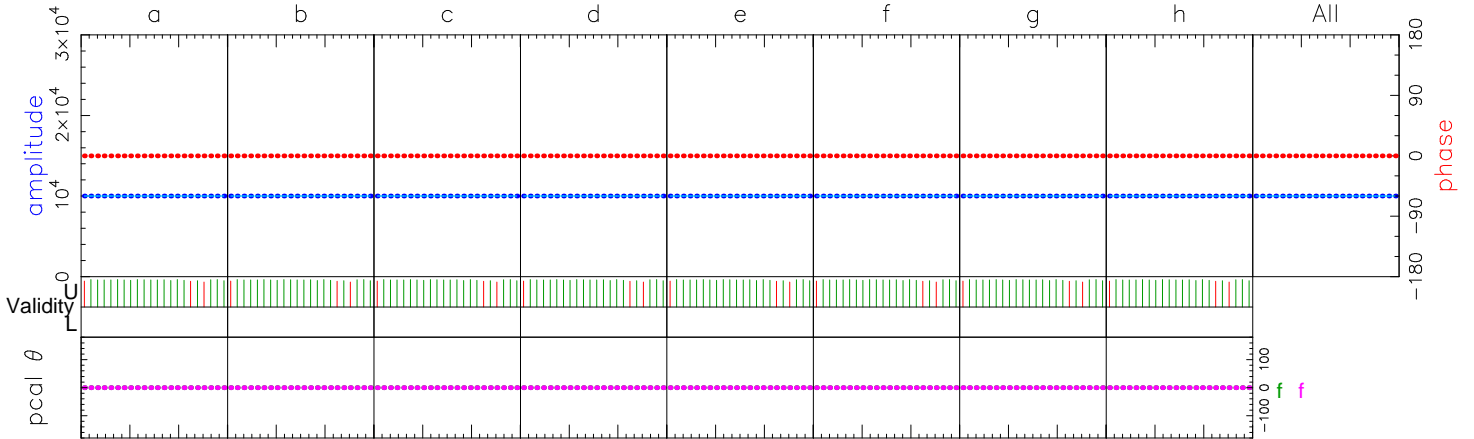


Fringe quality 9

SNR 362786.8
Int time 175.998
Amp 10000.002
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. c201b
Exper # 16383
Yr:day 2020:117
Start 090000.00
Stop 090300.22
FRT 090130.00
Corr/FF/build
2020:198:173855
2020:199:143639
2020:014:135814
RA & Dec (J2000) 20h25m10.842106s +33°43'00.214364"

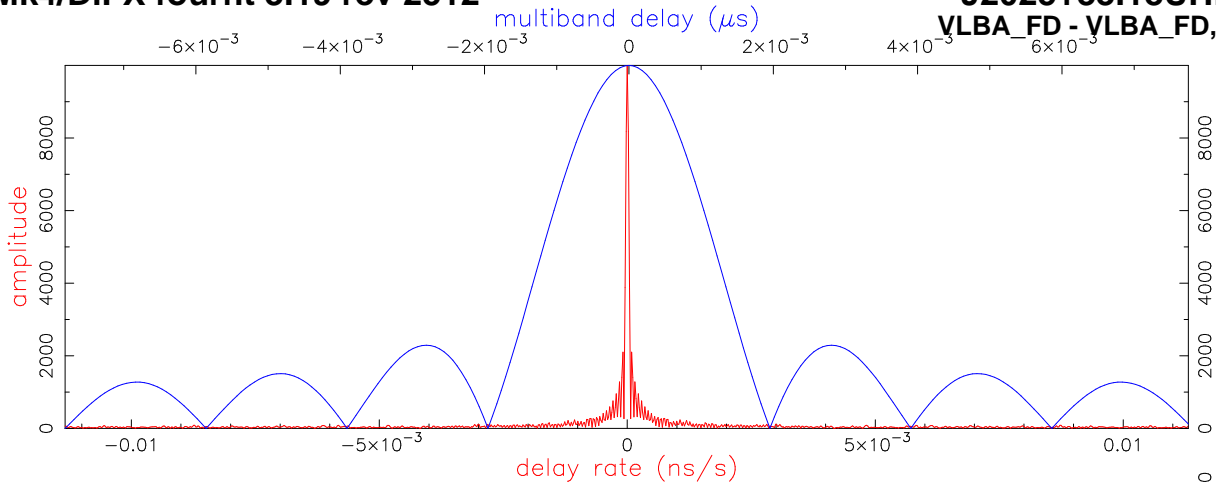
Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0		
f	1000	1000	1000	1000	1000	1000	1000	1000	Ampl.	10000.0
f:f	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Sbd box	257.0
f:f	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	APs used	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC phase	
f	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Mani PC	
f	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	PC amp	
f	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
									Tracks	
									Chan ids	
									Tracks	

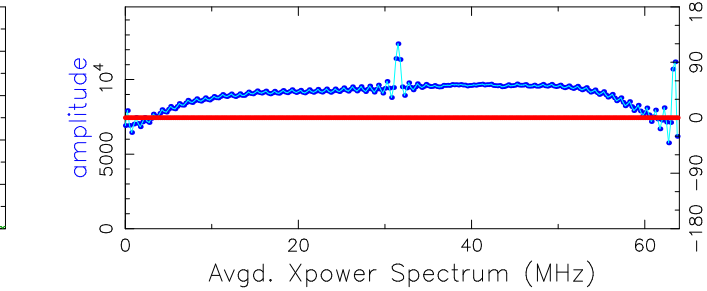
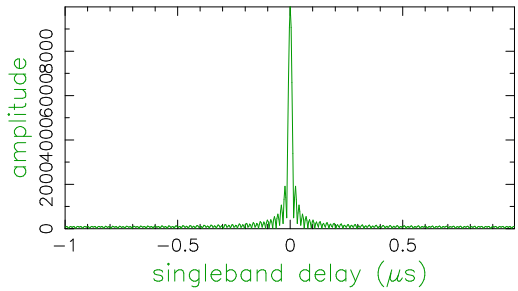
Group delay (usec)(sbd)	0.000000000000E+00	Apriori delay (usec)	0.000000000000E+00	Resid mbdelay (usec)	0.000000E+00	+/-	3.0E-09
Sband delay (usec)	0.000000000000E+00	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	0.000000E+00	+/-	2.4E-08
Phase delay (usec)	1.74177533087E-19	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	1.74178E-19	+/-	1.0E-11
Delay rate (us/s)	0.000000000000E+00	Apriori rate (us/s)	0.000000000000E+00	Resid rate (us/s)	0.000000E+00	+/-	9.8E-14
Total phase (deg)	0.0	Apriori accel (us/s/s)	0.000000000000E+00	Resid phase (deg)	0.0	+/-	0.0

ph/seg (deg) 0.0 0.0 RMS Theor. Amplitude 10000.002 +/- 0.028 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 0.0 0.0 Search (1024X32) 10000.003 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 0.0 0.0 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 0.0 0.0 Inc. seg. avg. 10000.000 Sample rate(MISamp/s): 128 dr window (ns/s) -0.011 0.011
 f: az 69.5 el 39.4 pa -75.8 f: az 69.5 el 39.4 pa -75.8 u,v (fr/asec) 0.000 0.000 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/c201b/v1/1234/No0058/ff..18UHRL Output file: /Exps/c201b/v1/1234/No0058/ff.W.37.18UHRL simultaneous interpolator



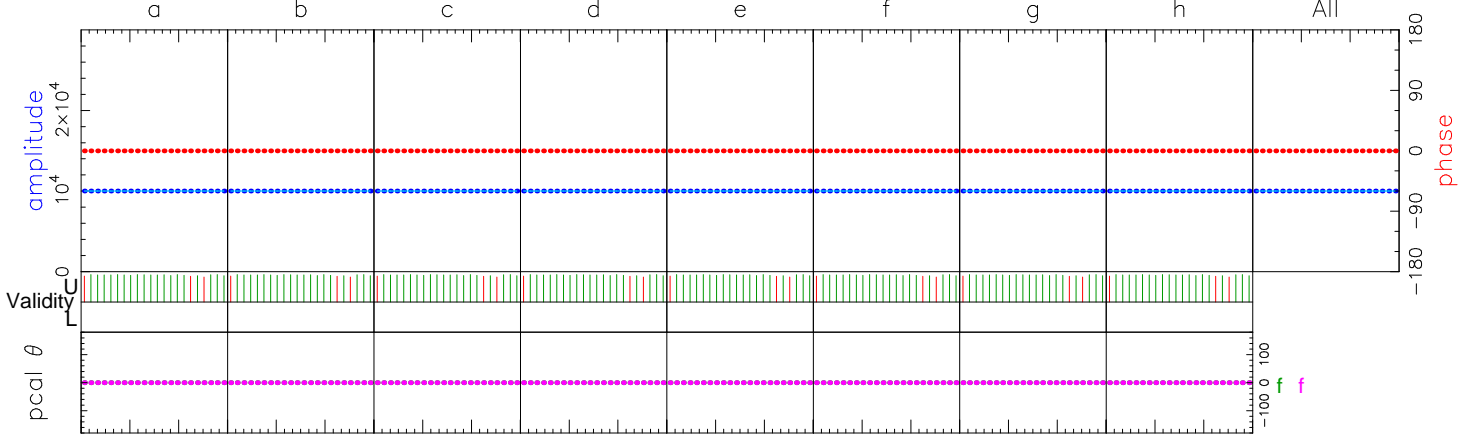
Fringe quality 9

SNR 362785.4
Int time 175.997
Amp 9999.999
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. c201b
Exper # 16383
Yr:day 2020:117
Start 090000.00
Stop 090300.22
FRT 090130.00
Corr/FF/build
2020:198:173855
2020:199:143643
2020:014:135814
RA & Dec (J2000)
20h25m10.842106s
+33°43'00.214364"

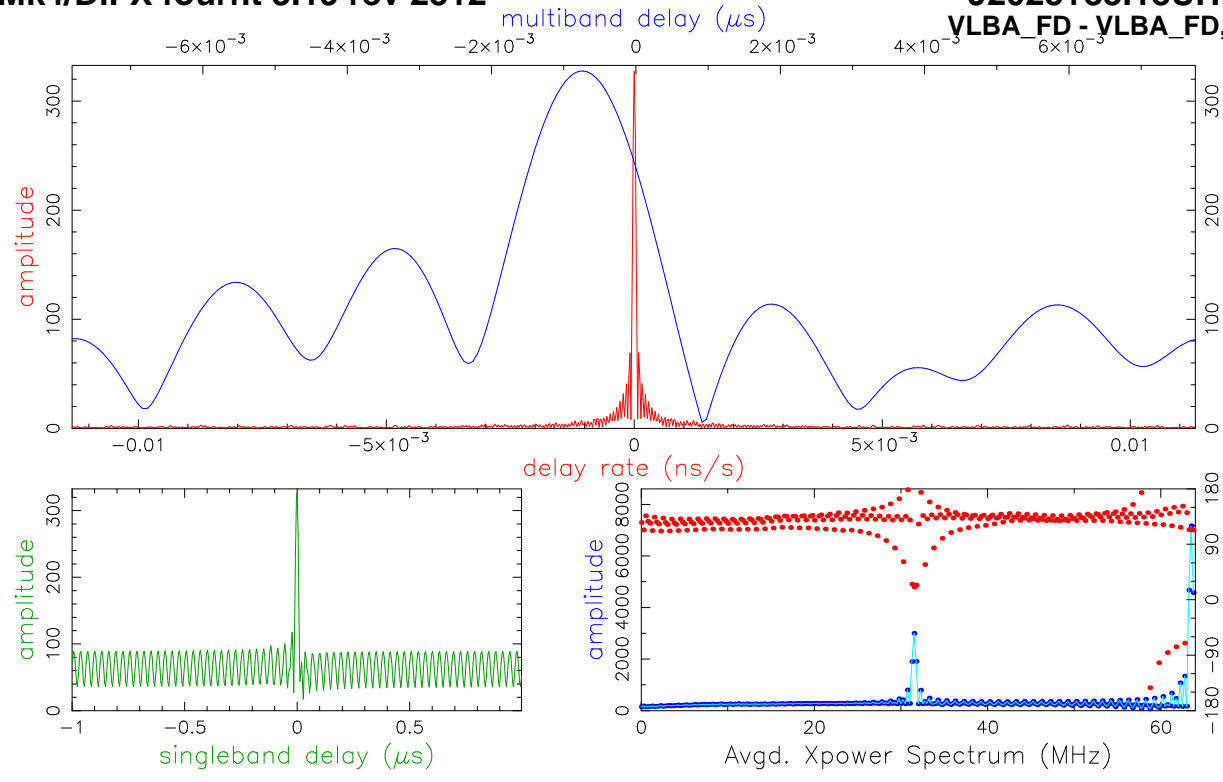
Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
f:f	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f:f	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
f	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		
f	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	+/-	3.0E-09
Sband delay (usec)	0.0000000000E+00	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	0.00000E+00	+/-	2.4E-08
Phase delay (usec)	-9.28883855864E-21	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	-9.28884E-21	+/-	1.0E-11
Delay rate (us/s)	0.0000000000E+00	Apriori rate (us/s)	0.0000000000E+00	Resid rate (us/s)	0.00000E+00	+/-	9.8E-14
Total phase (deg)	-0.0	Apriori accel (us/s/s)	0.0000000000E+00	Resid phase (deg)	-0.0	+/-	0.0

ph/seg (deg)	0.0	RMS	Theor.	Amplitude	9999.999 +/- 0.028	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5		
amp/seg (%)	0.0	0.0	0.0	Search (1024X32)	10000.000	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000		
ph/frq (deg)	0.0	0.0	0.0	Interp.	0.000	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.008 0.008	
amp/frq (%)	0.0	0.0	0.0	Inc. seg. avg.	10000.000	Sample rate (MSamp/s):	128	dr window (ns/s)	-0.011 0.011		
				Inc. frq. avg.	9999.999	Data rate (Mb/s):	2048	nlags: 256	t_cohere infinite	ion window (TEC)	0.00 0.00

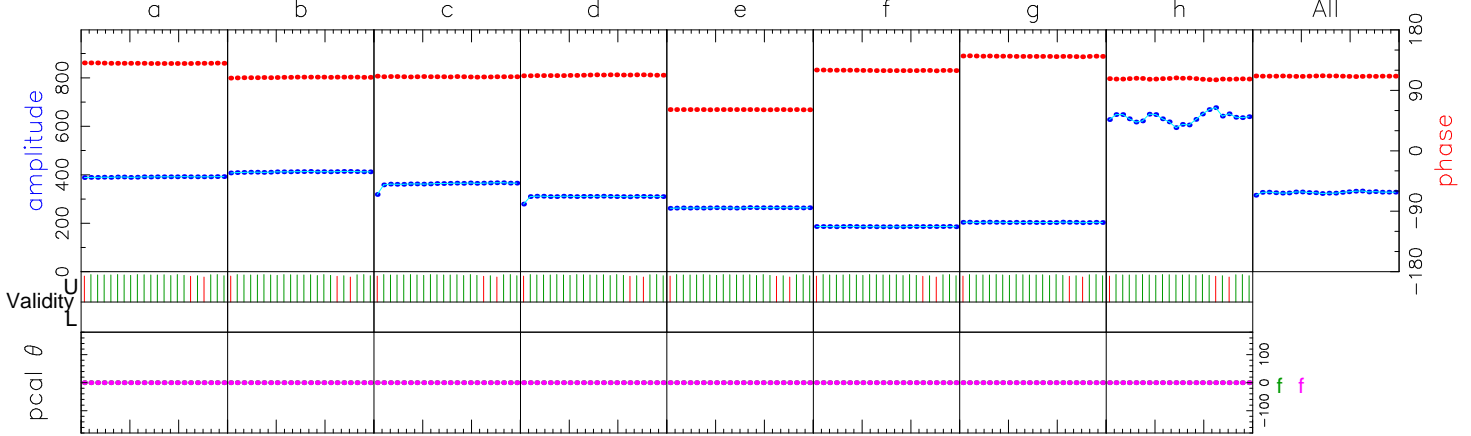


Fringe quality 5

SNR 12069.4
Int time 175.998
Amp 332.687
Phase 111.0
PFD 0.0e+00
Delays (us)
SBD -0.001462
MBD -0.000689
Fringe rate (Hz)
-0.000003
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

Exp. c201b
Exper # 16383
Yr:day 2020:117
Start 090000.00
Stop 090300.22
FRT 090130.00
Corr/FF/build
2020:198:173855
2020:199:143646
2020:014:135814
RA & Dec (J2000)
20h25m10.842106s
+33°43'00.214364"

Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



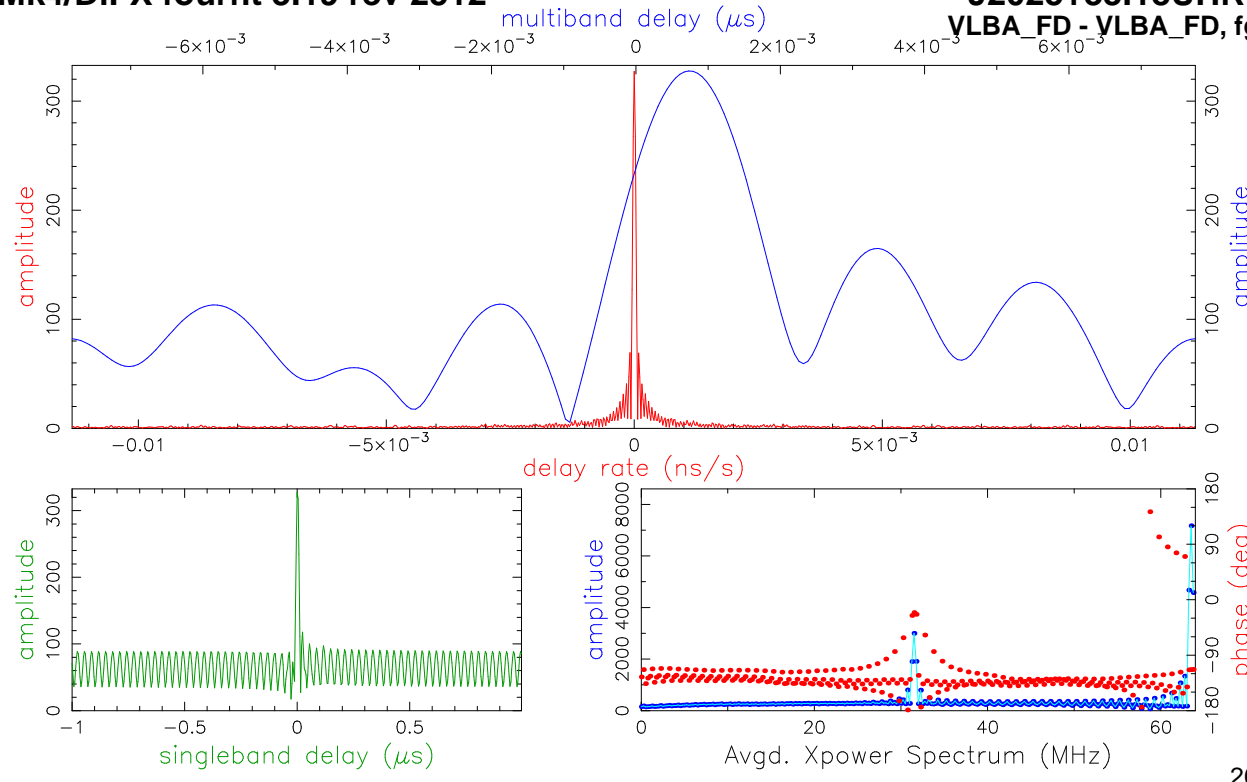
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
f:f	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
f	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		
f	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		

Group delay (usec)(sbd)	-6.88875000000E-04	Apriori delay (usec)	0.00000000000E+00	Resid mbdelay (usec)	-6.88875E-04	+/-	9.0E-08
Sband delay (usec)	-1.46175000000E-03	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	-1.46175E-03	+/-	7.1E-07
Phase delay (usec)	3.57995821888E-06	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	3.57996E-06	+/-	3.1E-10
Delay rate (us/s)	-3.82621114575E-11	Apriori rate (us/s)	0.00000000000E+00	Resid rate (us/s)	-3.82621E-11	+/-	2.9E-12
Total phase (deg)		Apriori accel (us/s/s)	0.00000000000E+00	Resid phase (deg)	111.0	+/-	0.0

ph/seg (deg)	0.2	0.0	Search (1024X32)	318.066	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5				
amp/seg (%)	2.0	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)	25.2	0.0	Inc. seg. avg.	327.150	Bits/sample: 2x2	SampCntNorm: enabled	mb window (us)	-0.008	0.008	
amp/frq (%)	40.5	0.0	Inc. frq. avg.	345.367	Sample rate(MISamp/s): 128		dr window (ns/s)	-0.011	0.011	
f: az 69.5 el 39.4 pa -75.8		f: az 69.5 el 39.4 pa -75.8		u,v (fr/asec) 0.000 0.000	Data rate(Mb/s): 2048	nlags: 256	t_cohere infinite	ion window (TEC)	0.00	0.00

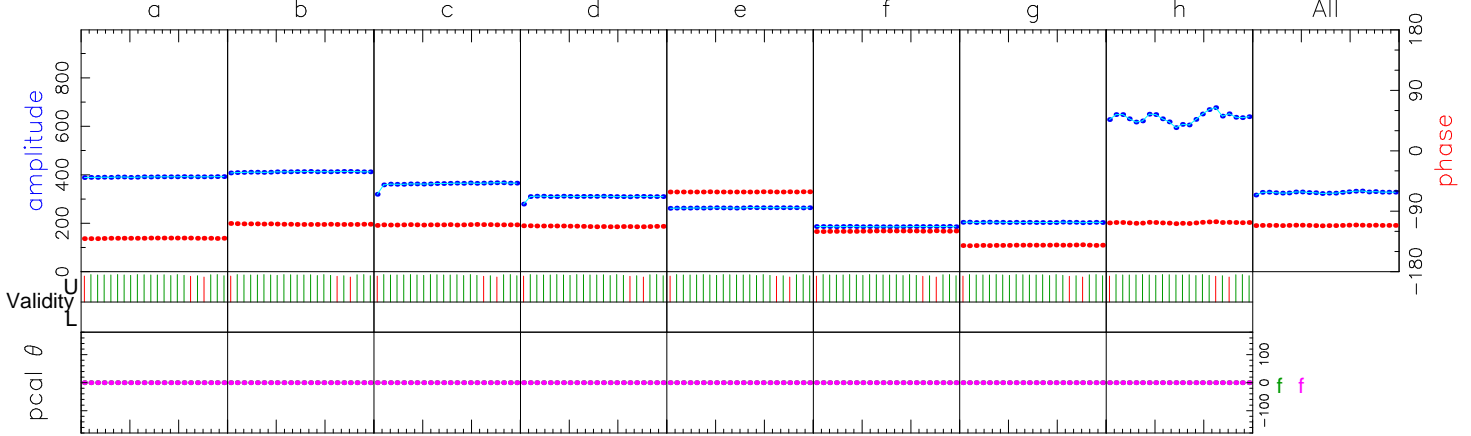
Control file: cf_1234_gmva Input file: /Exps/c201b/v1/1234/No0058/ff..18UHRL Output file: /Exps/c201b/v1/1234/No0058/ff.W.65.18UHRL

simultaneous interpolator



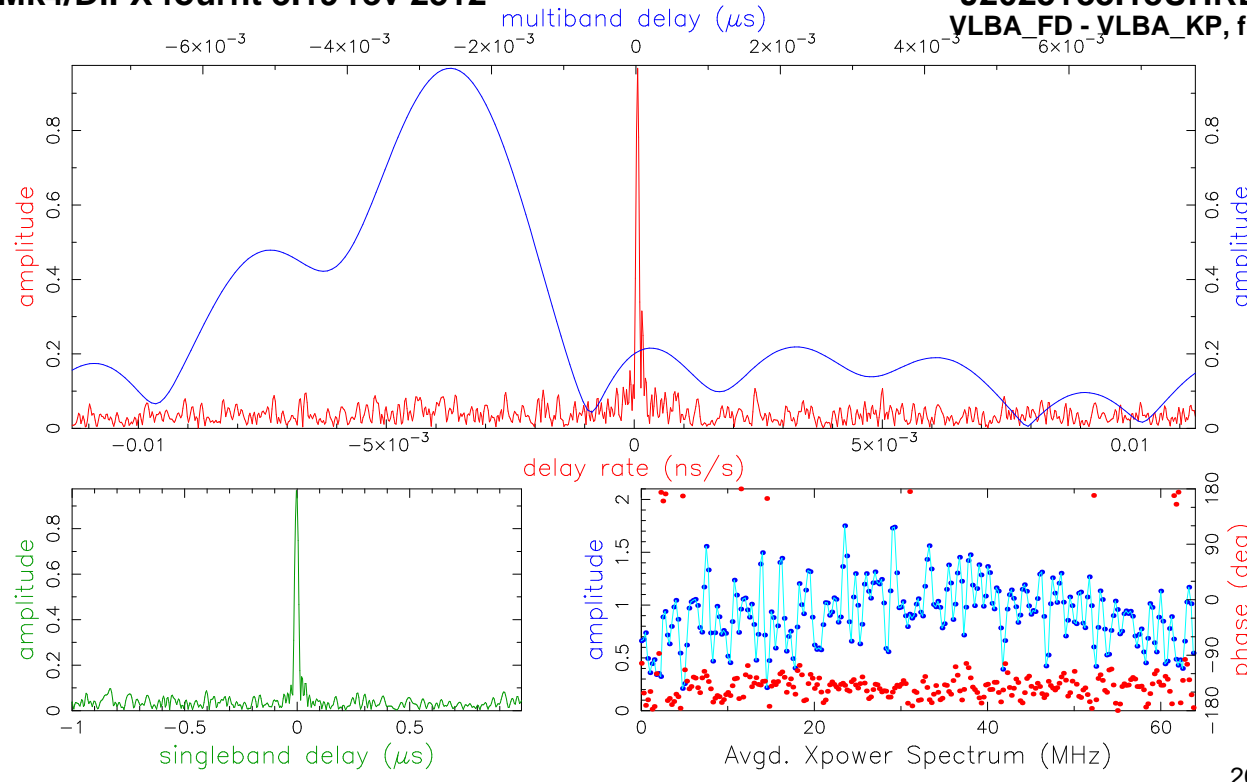
Fringe quality 5
 SNR 12069.5
 Int time 175.997
 Amp 332.689
 Phase -111.0
 PFD 0.0e+00
 Delays (us)
 SBD 0.001462
 MBD 0.000689
 Fringe rate (Hz)
 0.000003
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512
 Exp. c201b
 Exper # 16383
 Yr:day 2020:117
 Start 090000.00
 Stop 090300.22
 FRT 090130.00
 Corr/FF/build
 2020:198:173855
 2020:199:143649
 2020:014:135814
 RA & Dec (J2000)
 20h25m10.842106s
 +33°43'00.214364"

Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-130.2	-109.2	-110.2	-112.4	-61.2	-119.6	-140.6	-107.0	Phase	-111.0
	390.9	411.9	361.9	309.3	263.6	186.3	203.7	635.3	Ampl.	345.4
	257.3	257.4	257.1	257.3	256.9	256.9	257.2	258.0	Sbd box	257.4
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0	APs used	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
f:f	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
f:f	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
f	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)	6.88875000000E-04		Apriori delay (usec)		0.00000000000E+00		Resid mbdelay (usec)		6.88875E-04	+/- 9.0E-08
Sband delay (usec)	1.46175000000E-03		Apriori clock (usec)		0.0000000E+00		Resid sbdelay (usec)		1.46175E-03	+/- 7.1E-07
Phase delay (usec)	-3.57995821866E-06		Apriori clockrate (us/s)		0.0000000E+00		Resid phdelay (usec)		-3.57996E-06	+/- 3.1E-10
Delay rate (us/s)	3.82621114575E-11		Apriori rate (us/s)		0.00000000000E+00		Resid rate (us/s)		3.82621E-11	+/- 2.9E-12
Total phase (deg)			Apriori accel (us/s/s)		0.00000000000E+00		Resid phase (deg)		-111.0	+/- 0.0

ph/seg (deg) 0.2 0.0 Search (1024X32) 318.068 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 2.0 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) 25.2 0.0 Inc. seg. avg. 327.152 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 40.5 0.0 Inc. frq. avg. 345.369 Data rate (Mbit/s): 2048 nlags: 256 t_cohere infinite dr window (ns/s) -0.011 0.011
 f: az 69.5 el 39.4 pa -75.8 f: az 69.5 el 39.4 pa -75.8 u,v (fr/asec) 0.000 0.000 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c201b/v1/1234/No0058/ff..18UHRL Output file: /Exps/c201b/v1/1234/No0058/ff.W.80.18UHRL

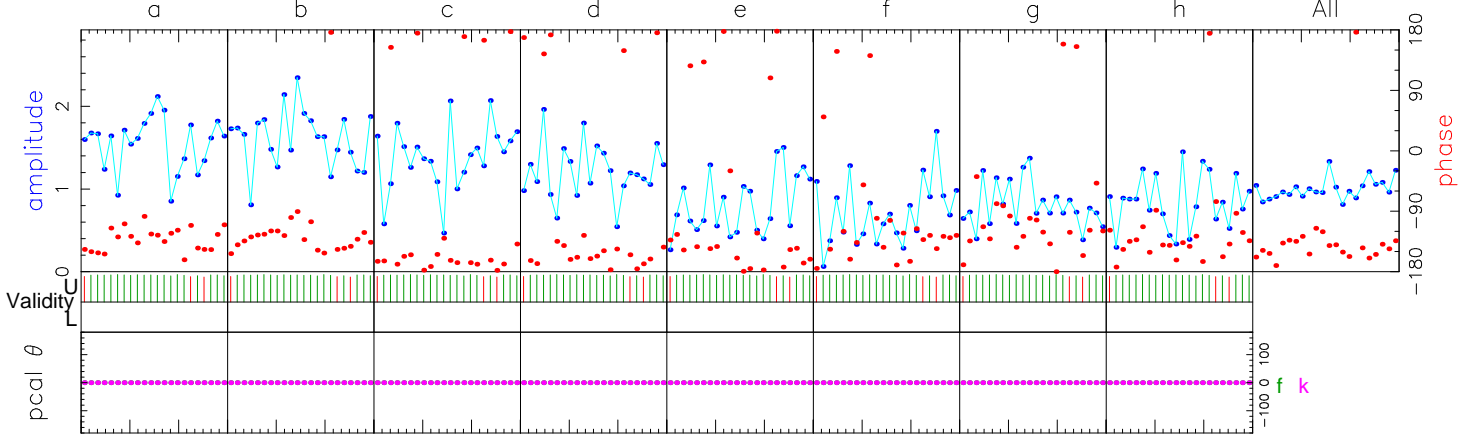


Fringe quality 7

SNR 35.3
Int time 174.784
Amp 0.975
Phase -145.1
PFD 0.0e+00
Delays (us)
SBD -0.002731
MBD -0.002564
Fringe rate (Hz) 0.005785
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.512

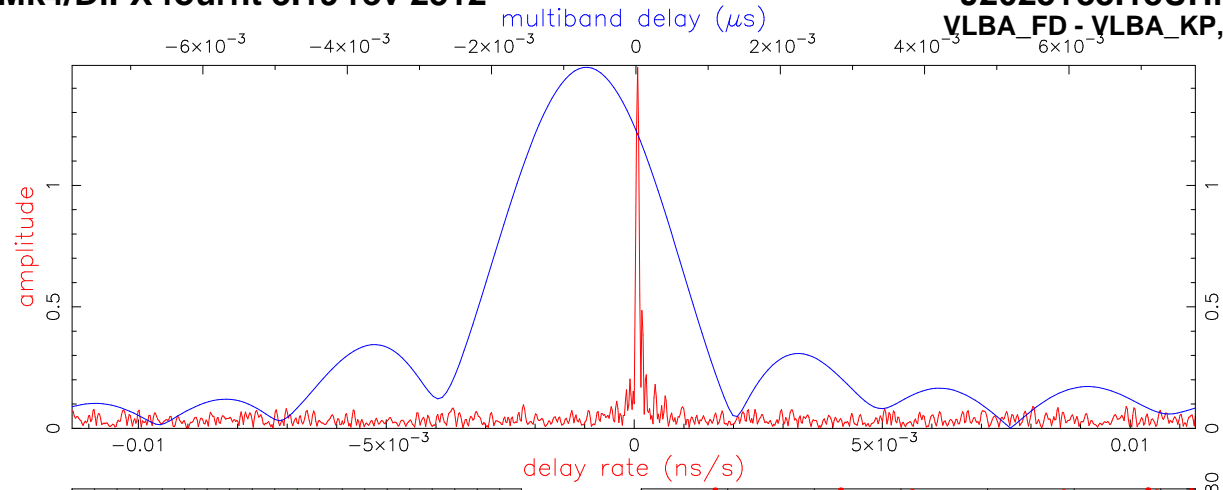
Exp. c201b
Exper # 16383
Yr:day 2020:117
Start 090000.00
Stop 090300.22
FRT 090130.00
Corr/FF/build
2020:198:173855
2020:199:143642
2020:014:135814
RA & Dec (J2000)
20h25m10.842106s
+33°43'00.214364"

Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-130.5	-130.6	-169.2	-165.5	-165.7	-144.7	-120.7	-133.8	Phase	-145.1
	1.5	1.5	1.3	1.1	0.7	0.6	0.6	0.8	Ampl.	1.0
	256.5	256.1	256.2	256.1	256.5	256.5	256.4	256.6	Sbd box	256.3
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0	APs used	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
k	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
f:k	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
f:k	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
k	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
f	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
k	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	
									Tracks	
Group delay (usec)(sbd)	1.68284619032E+03		Apriori delay (usec)		1.68284875386E+03		Resid mbdelay (usec)		-2.56354E-03	+/- 3.1E-05
Sband delay (usec)	1.68284602236E+03		Apriori clock (usec)		4.2445550E+00		Resid sbdelay (usec)		-2.73150E-03	+/- 2.4E-04
Phase delay (usec)	1.68284874918E+03		Apriori clockrate (us/s)		1.0360000E-07		Resid phdelay (usec)		-4.67905E-06	+/- 1.0E-07
Delay rate (us/s)	-5.07335493325E-02		Apriori rate (us/s)		-5.07336164910E-02		Resid rate (us/s)		6.71585E-08	+/- 1.0E-09
Total phase (deg)			Apriori accel (us/s/s)		-1.01621670997E-05		Resid phase (deg)		-145.1	+/- 3.3

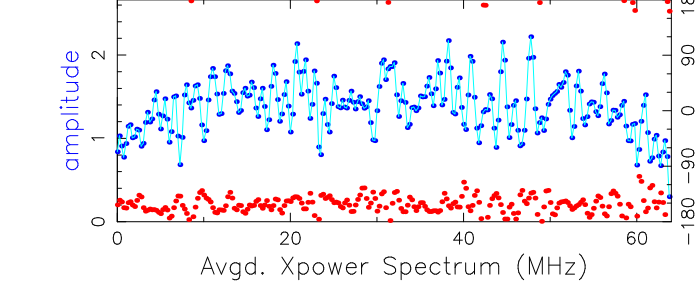
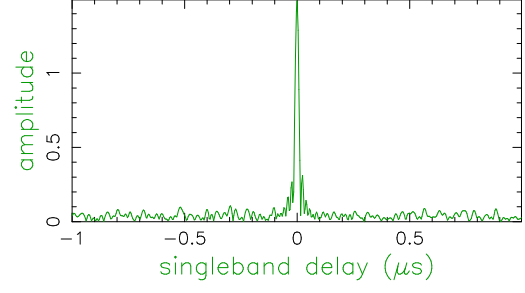
ph/seg (deg) 15.5 7.6 Search (1024X32) 0.975 +/- 0.028 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 12.9 13.3 Interp. 0.959 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 20.7 4.6 Inc. seg. avg. 0.993 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 37.9 8.0 Inc. frq. avg. 1.014 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite dr window (ns/s) -0.011 0.011
 f: az 69.5 el 39.4 pa -75.8 k: az 68.2 el 33.7 pa -71.5 u,v (fr/asec) 342.009 -680.904 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c201b/v1/1234/No0058/fk..18UHRL Output file: /Exps/c201b/v1/1234/No0058/fk.W.49.18UHRL



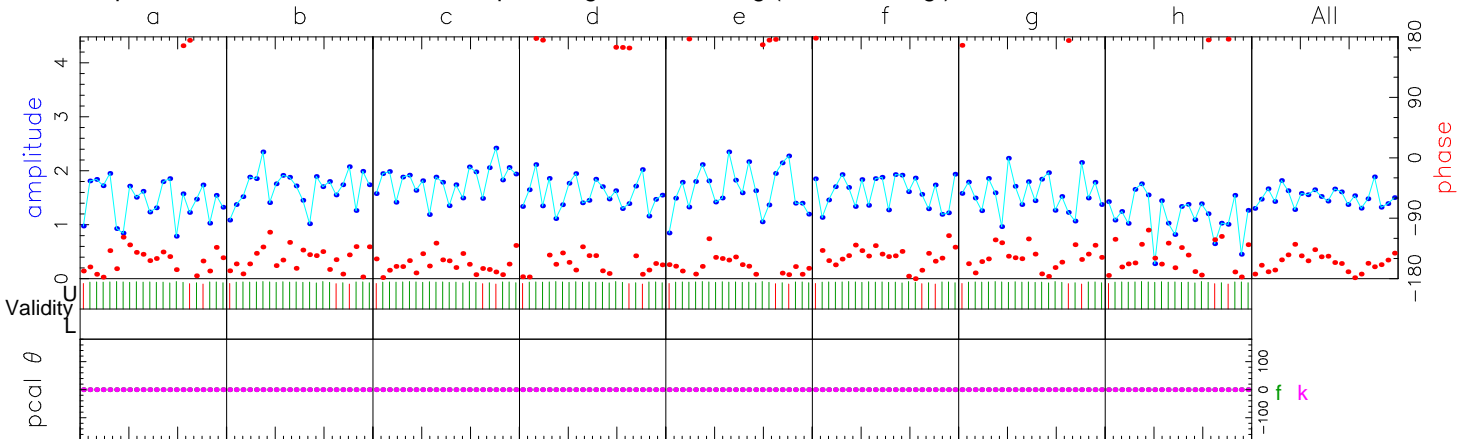
Fringe quality 8

SNR 54.0
Int time 174.783
Amp 1.494
Phase -155.7
PFD 0.0e+00
Delays (us)
SBD -0.000955
MBD -0.000712
Fringe rate (Hz) 0.005917
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.512

Exp. c201b
Exper # 16383
Yr:day 2020:117
Start 090000.00
Stop 090300.22
FRT 090130.00
Corr/FF/build
2020:198:173855
2020:199:143645
2020:014:135814
RA & Dec (J2000)
20h25m10.842106s
+33°43'00.214364"

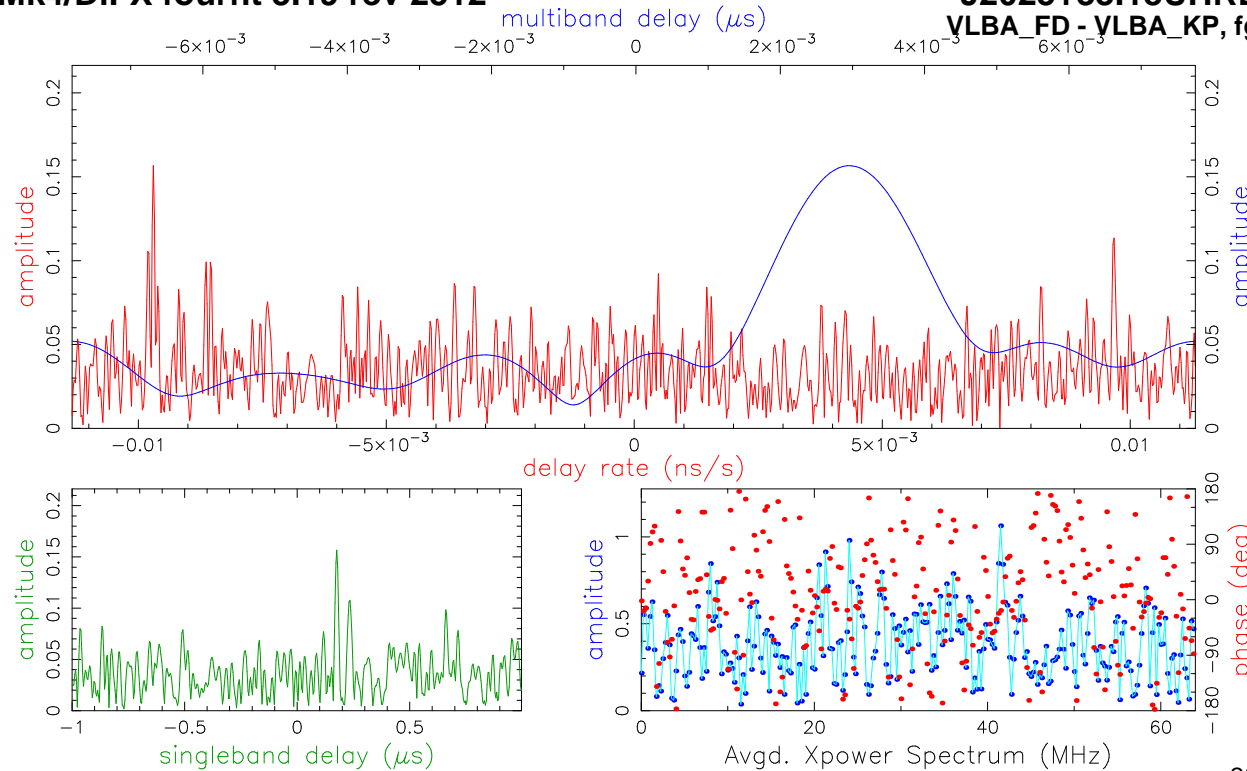


Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



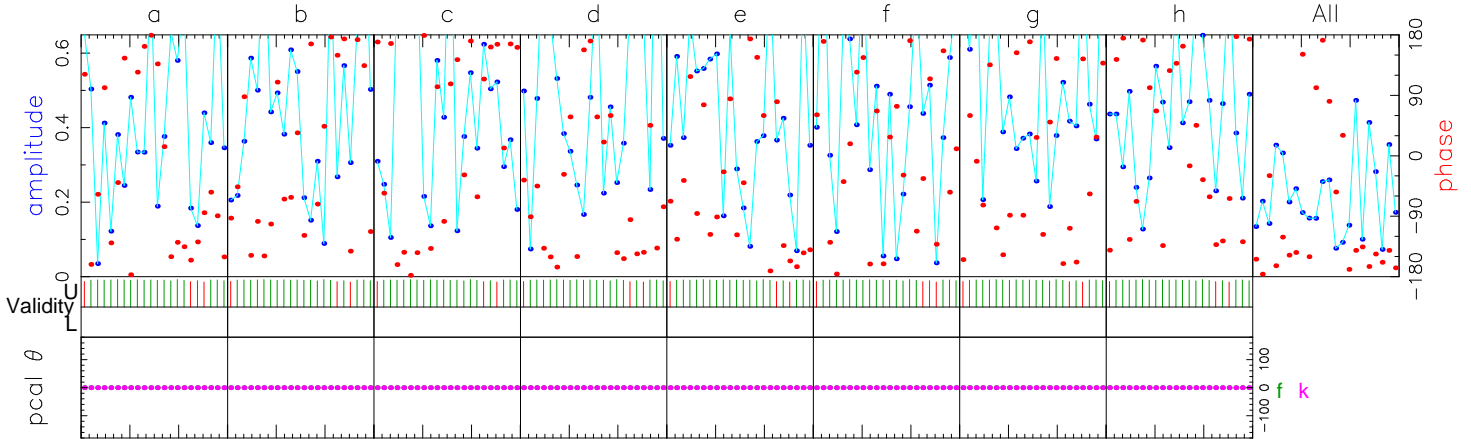
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-155.3	-149.5	-158.6	-165.4	-164.1	-148.9	-151.9	-150.1	Phase	-155.7
	1.4	1.6	1.7	1.5	1.6	1.6	1.5	1.1	Ampl.	1.5
	257.2	256.7	256.7	256.6	257.0	256.6	257.0	256.2	Sbd box	256.8
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0	APs used	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
k	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
f:k	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
f:k	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
k	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
f	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
k	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	
									Tracks	
Group delay (usec)(sbd)	1.68284804220E+03		Apriori delay (usec)		1.68284875386E+03		Resid mbdelay (usec)		-7.11664E-04	+/- 2.0E-05
Sband delay (usec)	1.68284779911E+03		Apriori clock (usec)		4.2445550E+00		Resid sbdelay (usec)		-9.54750E-04	+/- 1.6E-04
Phase delay (usec)	1.68284874884E+03		Apriori clockrate (us/s)		1.0360000E-07		Resid phdelay (usec)		-5.02129E-06	+/- 6.8E-08
Delay rate (us/s)	-5.07335477950E-02		Apriori rate (us/s)		-5.07336164910E-02		Resid rate (us/s)		6.86961E-08	+/- 6.6E-10
Total phase (deg)			Apriori accel (us/s/s)		-1.01621670997E-05		Resid phase (deg)		-155.7	+/- 2.1

ph/seg (deg) 12.4 5.0 Search (1024X32) 1.457 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
amp/seg (%) 10.6 8.7 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
ph/frq (deg) 7.1 3.0 Inc. seg. avg. 1.514 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
amp/frq (%) 12.5 5.2 Inc. frq. avg. 1.492 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite dr window (ns/s) -0.011 0.011
f: az 69.5 el 39.4 pa -75.8 k: az 68.2 el 33.7 pa -71.5 u,v (fr/asec) 342.009 -680.904 simultaneous interpolator
Control file: cf_1234_gmva Input file: /Exps/c201b/v1/1234/No0058/fk..18UHRL Output file: /Exps/c201b/v1/1234/No0058/fk.W.63.18UHRL



Fringe quality 0
SNR 5.7
Int time 174.784
Amp 0.216
Phase -158.0
PFD 8.3e-01
Delays (us)
SBD 0.175416
MBD 0.002951
Fringe rate (Hz)
-0.836615
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512
Exp. c201b
Exper # 16383
Yr:day 2020:117
Start 090000.00
Stop 090300.22
FRT 090130.00
Corr/FF/build
2020:198:173855
2020:199:143649
2020:014:135814
RA & Dec (J2000)
20h25m10.842106s
+33°43'00.214364"

Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec

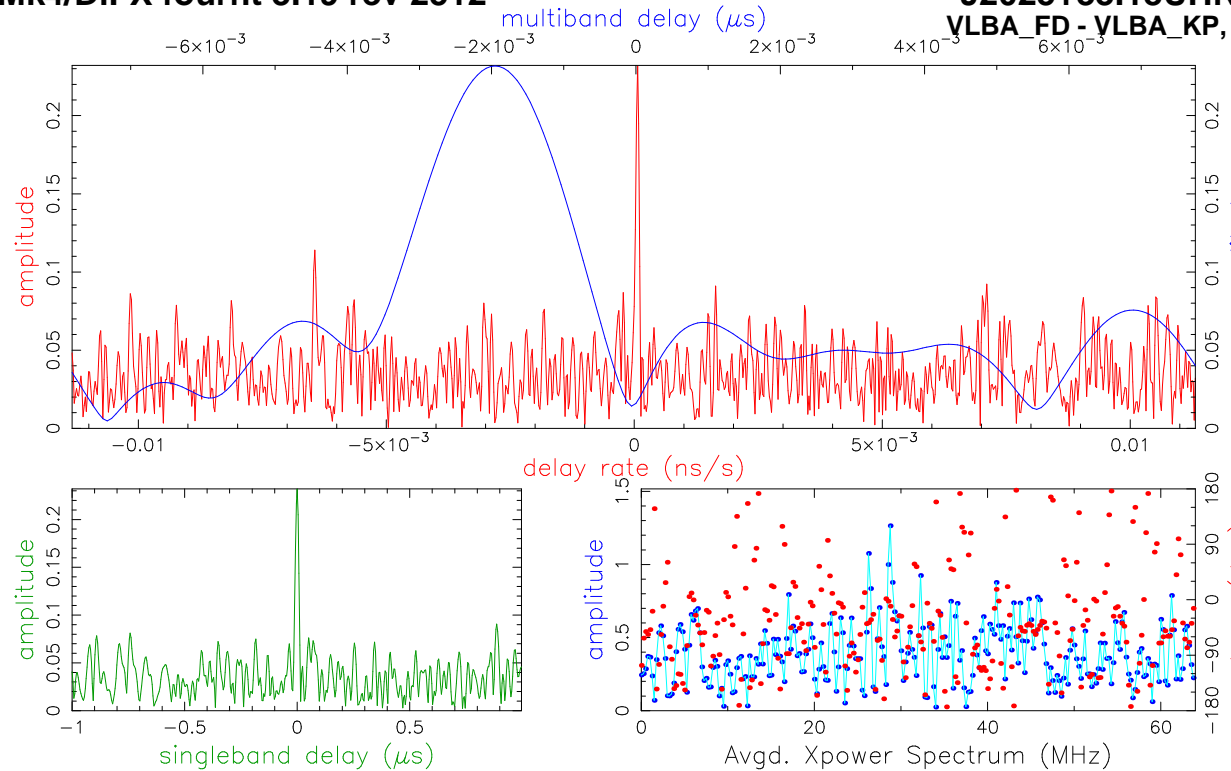


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0		
f	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
k	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
f:k	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
f:k	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
k	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
k	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	

Group delay (usec)(sbd)	1.68302357972E+03	Apriori delay (usec)	1.68284875386E+03	Resid mbdelay (usec)	2.95086E-03	+/-	1.9E-04
Sband delay (usec)	1.68302416961E+03	Apriori clock (usec)	4.2445550E+00	Resid sbdelay (usec)	1.75416E-01	+/-	1.5E-03
Phase delay (usec)	1.68284874877E+03	Apriori clockrate (us/s)	1.0360000E-07	Resid phdelay (usec)	-5.09503E-06	+/-	6.5E-07
Delay rate (us/s)	-5.07433287569E-02	Apriori rate (us/s)	-5.07336164910E-02	Resid rate (us/s)	-9.71227E-06	+/-	6.3E-09
Total phase (deg)	78.8	Apriori accel (us/s/s)	-1.01621670997E-05	Resid phase (deg)	-158.0	+/-	20.2

ph/seg (deg)	63.4	Theor.	47.4	Amplitude	0.216 +/- 0.038	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5	
amp/seg (%)	79.7	Search (1024X32)	0.149	Interp.	0.000	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000	
ph/frq (deg)	36.2	Inc. seg. avg.	0.224	Inc. frq. avg.	0.205	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.008 0.008
amp/frq (%)	43.8	Inc. frq. avg.	0.205			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	

f: az 69.5 el 39.4 pa -75.8 k: az 68.2 el 33.7 pa -71.5 u,v (fr/asec) 342.009 -680.904 simultaneous interpolator
Control file: cf_1234_gmva Input file: /Exps/c201b/v1/1234/No0058/fk..18UHRL Output file: /Exps/c201b/v1/1234/No0058/fk.W.81.18UHRL

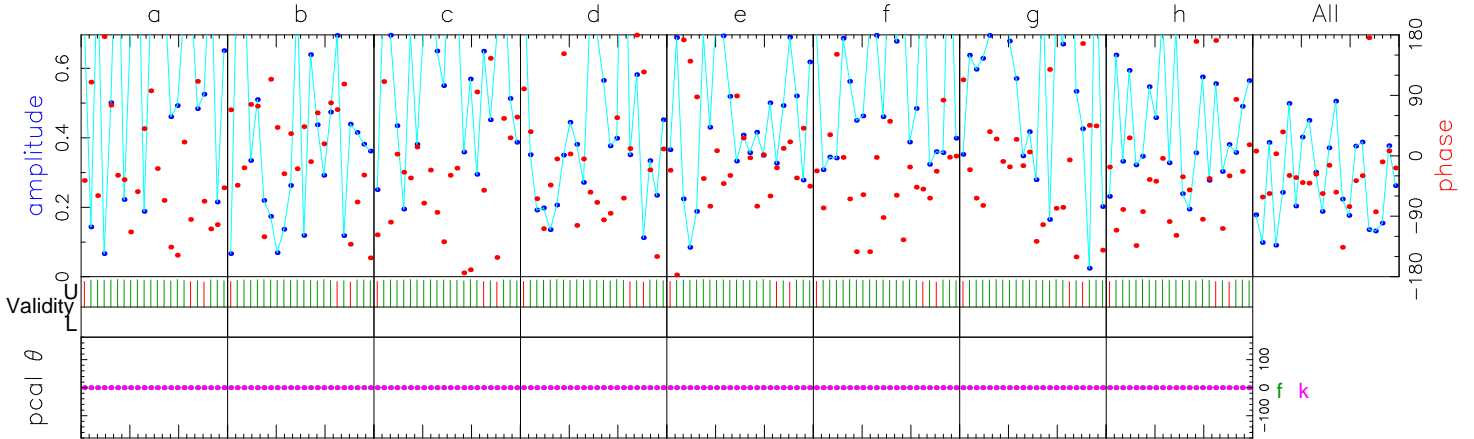


Fringe quality 9

SNR 8.4
Int time 174.783
Amp 0.232
Phase -34.3
PFD 8.6e-09
Delays (us)
SBD -0.000530
MBD -0.001959
Fringe rate (Hz) 0.005885
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.512

Exp. c201b
Exper # 16383
Yr:day 2020:117
Start 090000.00
Stop 090300.22
FRT 090130.00
Corr/FF/build
2020:198:173855
2020:199:143651
2020:014:135814
RA & Dec (J2000)
20h25m10.842106s
+33°43'00.214364"

Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



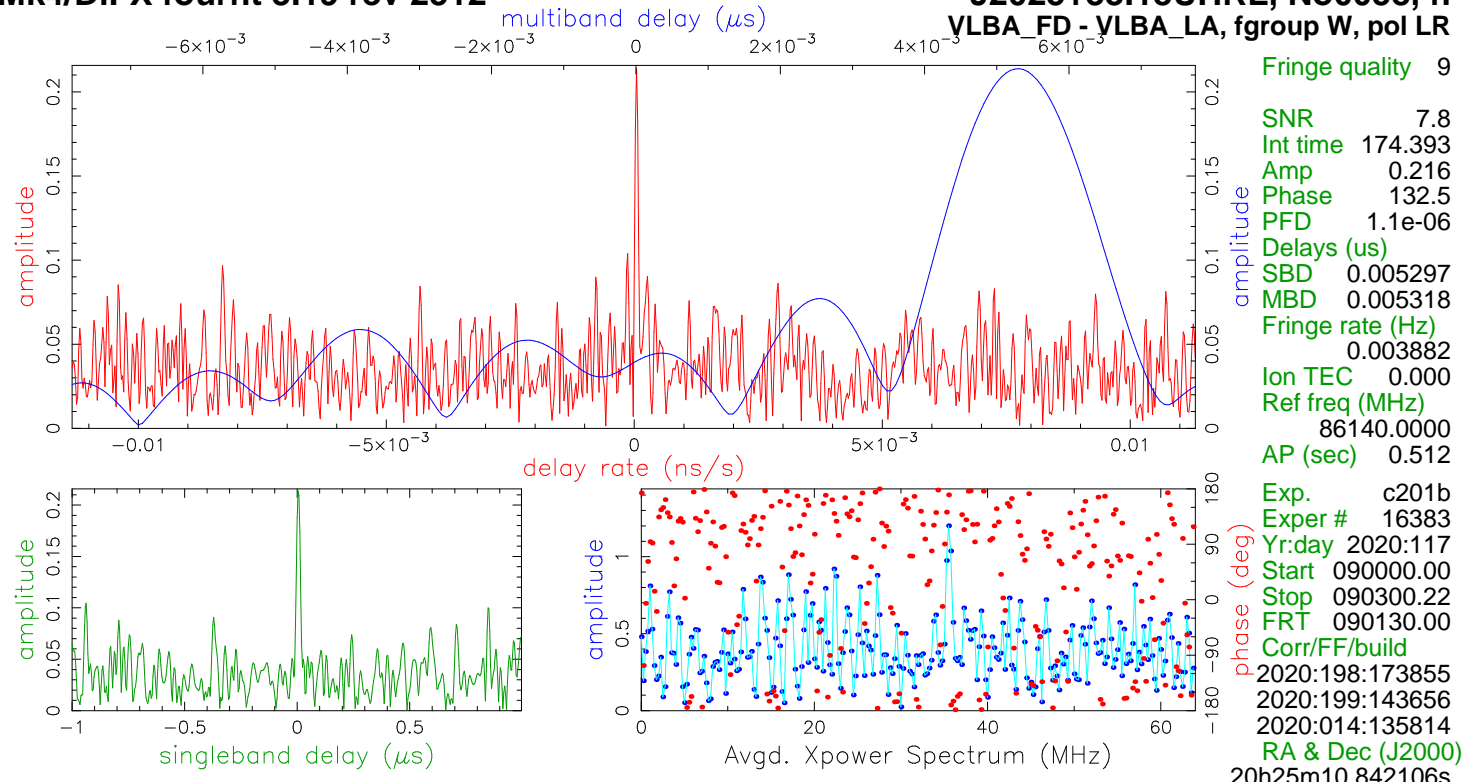
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-56.5	4.8	-36.2	-46.8	-19.0	-38.0	-20.8	-58.0	Phase	-34.3
	0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.2	Ampl.	0.2
	256.5	158.4	491.0	281.0	256.5	257.0	256.2	361.0	Sbd box	256.9
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0	APs used	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
k	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
f:k	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
f:k	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
k	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
f	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
k	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	

Group delay (usec)(sbd)	1.68284679479E+03	Apriori delay (usec)	1.68284875386E+03	Resid mbdelay (usec)	-1.95907E-03	+/-	1.3E-04
Sband delay (usec)	1.68284822386E+03	Apriori clock (usec)	4.2445550E+00	Resid sbdelay (usec)	-5.30000E-04	+/-	1.0E-03
Phase delay (usec)	1.68284875276E+03	Apriori clockrate (us/s)	1.0360000E-07	Resid phdelay (usec)	-1.10601E-06	+/-	4.4E-07
Delay rate (us/s)	-5.07335481705E-02	Apriori rate (us/s)	-5.07336164910E-02	Resid rate (us/s)	6.83205E-08	+/-	4.2E-09
Total phase (deg)	202.5	Apriori accel (us/s/s)	-1.01621670997E-05	Resid phase (deg)	-34.3	+/-	13.7

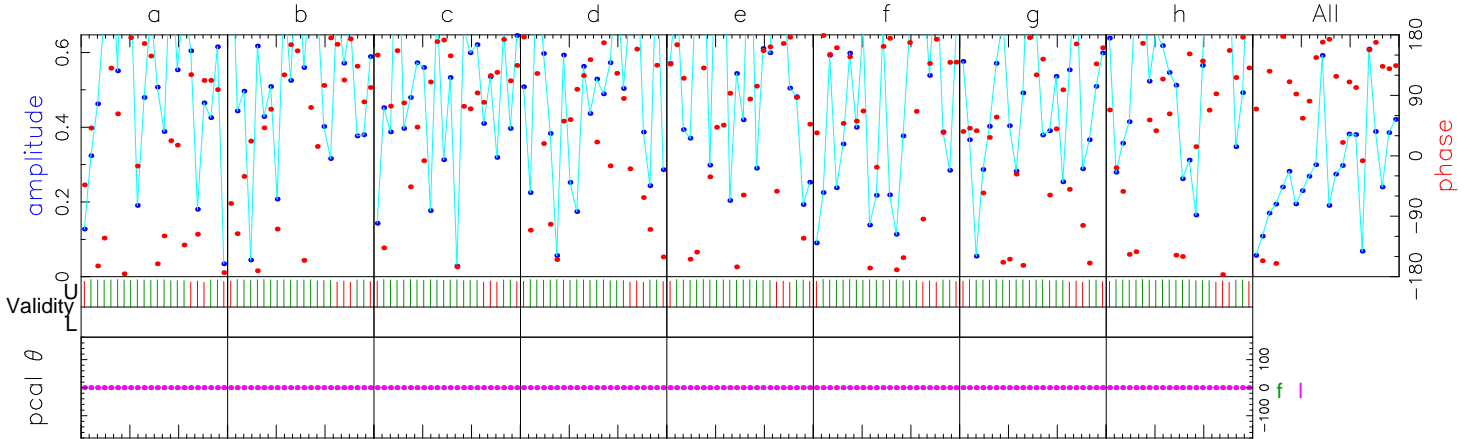
ph/seg (deg)	47.5	Theor.	32.0	Amplitude	0.232 +/- 0.028	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5	
amp/seg (%)	59.0	Search (1024X32)	0.231	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000	1.000		
ph/frq (deg)	23.0	Inc. seg. avg.	0.242	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.008	0.008	
amp/frq (%)	25.3	Inc. frq. avg.	0.232	Sample rate (MSamp/s):	128	nlags: 256	t_cohere infinite	ion window (TEC)	0.00	0.00

f: az 69.5 el 39.4 pa -75.8 k: az 68.2 el 33.7 pa -71.5 u,v (fr/asec) 342.009 -680.904 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c201b/v1/1234/No0058/fk..18UHRL Output file: /Exps/c201b/v1/1234/No0058/fk.W.88.18UHRL



Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



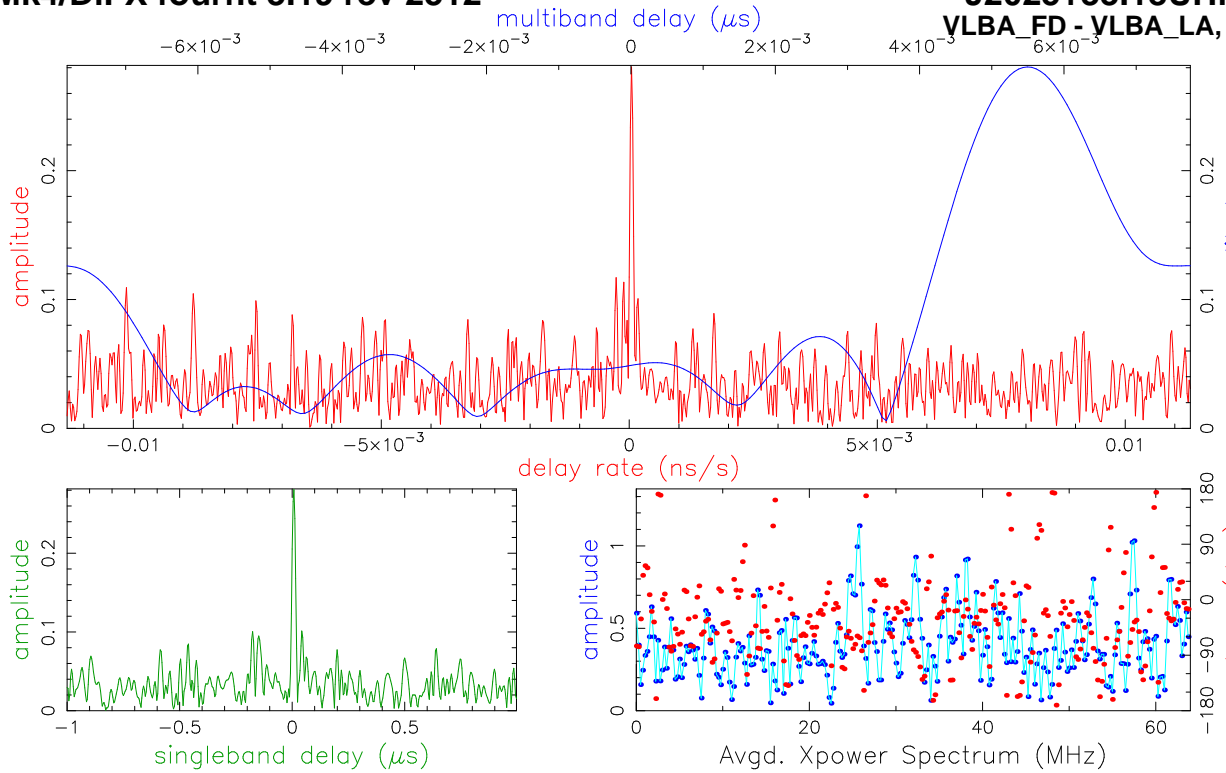
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
l	1000	1000	1000	1000	1000	1000	1000	1000		
f:l	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f:l	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
l	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		
l	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		

Group delay (usec)(sbd)	5.84108675279E+01	Apriori delay (usec)	5.84055493036E+01	Resid mbdelay (usec)	5.31822E-03	+/-	1.4E-04
Sband delay (usec)	5.84108463036E+01	Apriori clock (usec)	7.6065273E+00	Resid sbdelay (usec)	5.29700E-03	+/-	1.1E-03
Phase delay (usec)	5.8405535767E+01	Apriori clockrate (us/s)	2.6000000E-07	Resid phdelay (usec)	4.27312E-06	+/-	4.7E-07
Delay rate (us/s)	3.45949833541E-02	Apriori rate (us/s)	3.45949382912E-02	Resid rate (us/s)	4.50628E-08	+/-	4.6E-09
Total phase (deg)	138.6	Apriori accel (us/s/s)	-4.97565923825E-06	Resid phase (deg)	132.5	+/-	14.7

ph/seg (deg)	RMS 54.0	Theor. 34.5	Amplitude Search (1024X32)	0.216 +/- 0.028	0.213	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-1.000	1.000	
amp/seg (%)	72.1	60.2	Interp.	0.000	0.000	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	SampCntNorm: enabled	mb window (us)	-0.008	0.008	
ph/frq (deg)	14.9	20.8	Inc. seg. avg.	0.241	0.241	Bits/sample: 2x2	Sample rate(MISamp/s): 128	dr window (ns/s)	-0.011	0.011	
amp/frq (%)	23.0	36.3	Inc. frq. avg.	0.205	0.205	Data rate(Mb/s): 2048	nlags: 256	t_cohere infinite	ion window (TEC)	0.00	0.00

f: az 69.5 el 39.4 pa -75.8 l: az 72.7 el 39.2 pa -68.9 u,v (fr/asec) -242.920 -812.499 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c201b/v1/1234/No0058/fl..18UHRL Output file: /Exps/c201b/v1/1234/No0058/fl.W.107.18UHRL

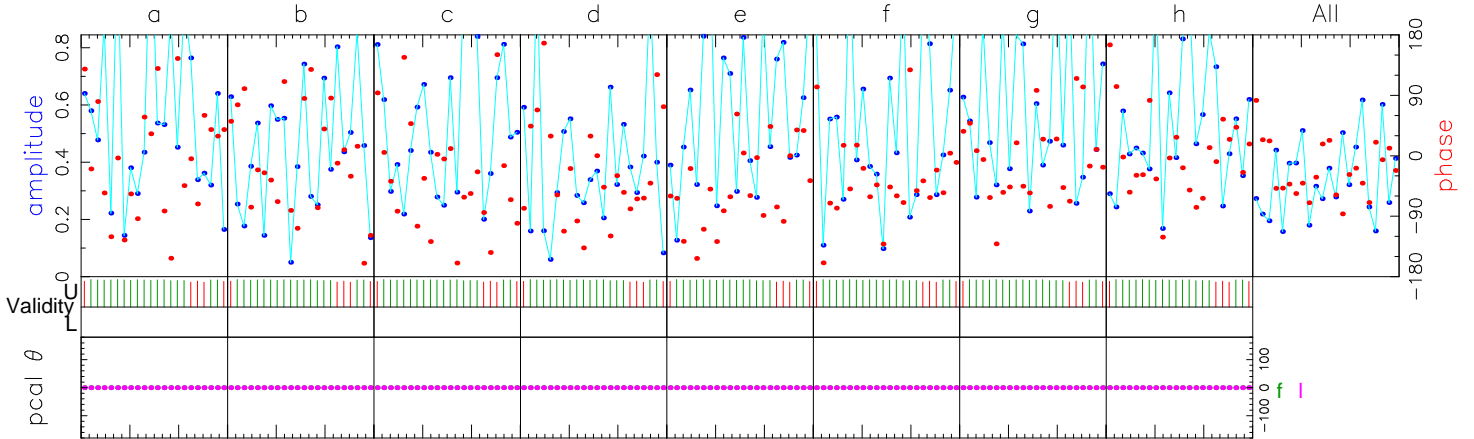


Fringe quality 9

SNR 10.2
Int time 174.391
Amp 0.282
Phase -27.2
PFD 5.6e-16
Delays (us)
SBD 0.007002
MBD 0.005499
Fringe rate (Hz) 0.003807
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.512

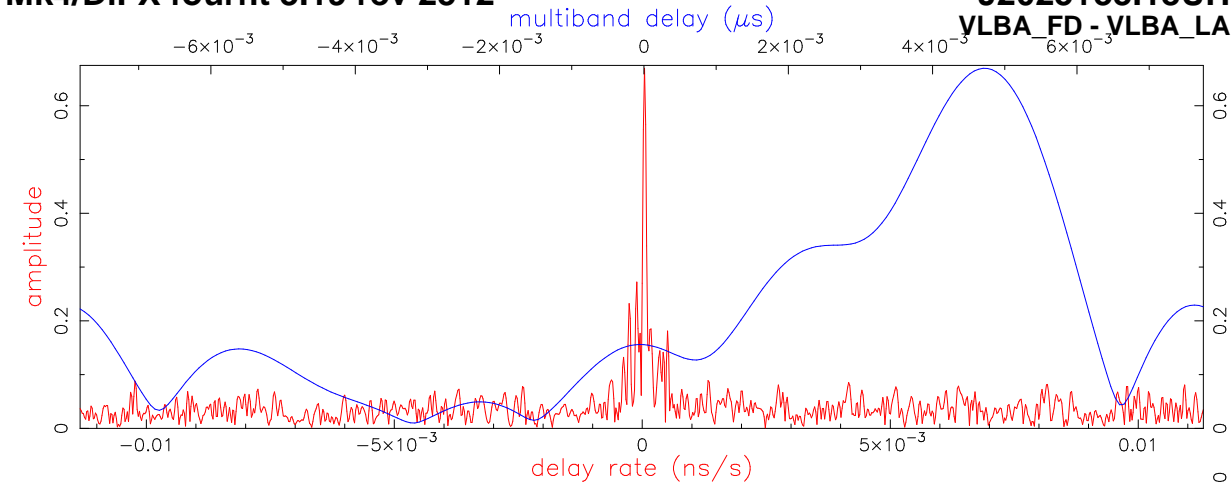
Exp. c201b
Exper # 16383
Yr:day 2020:117
Start 090000.00
Stop 090300.22
FRT 090130.00
Corr/FF/build
2020:198:173855
2020:199:143700
2020:014:135814
RA & Dec (J2000)
20h25m10.842106s
+33°43'00.214364"

Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



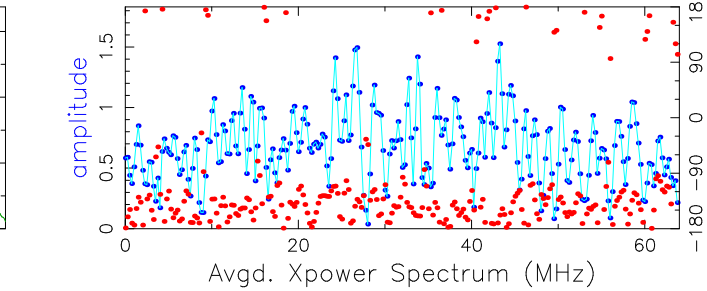
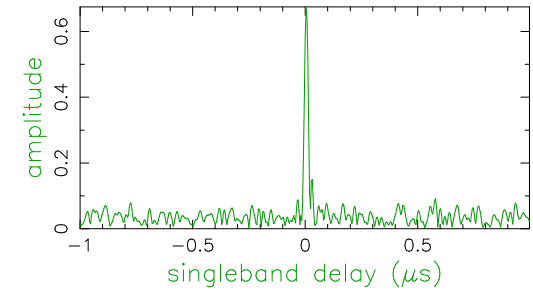
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-4.0	9.8	-44.4	-47.5	-52.9	-39.7	-11.9	-12.7	Phase	-27.2
	0.2	0.2	0.3	0.2	0.4	0.4	0.4	0.4	Ampl.	0.3
	260.7	202.1	259.5	46.0	259.0	259.0	258.4	258.8	Sbd box	258.8
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0	APs used	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
l	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
f:l	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
f:l	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
l	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
f	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
l	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	
									Tracks	
Group delay (usec)(sbd)	5.84110487779E+01		Apriori delay (usec)		5.84055493036E+01		Resid mbdelay (usec)		5.49947E-03	+/- 1.1E-04
Sband delay (usec)	5.84125508036E+01		Apriori clock (usec)		7.6065273E+00		Resid sbdelay (usec)		7.00150E-03	+/- 8.5E-04
Phase delay (usec)	5.84055484272E+01		Apriori clockrate (us/s)		2.6000000E-07		Resid phdelay (usec)		-8.76348E-07	+/- 3.6E-07
Delay rate (us/s)	3.45949824882E-02		Apriori rate (us/s)		3.45949382912E-02		Resid rate (us/s)		4.41970E-08	+/- 3.5E-09
Total phase (deg)			Apriori accel (us/s/s)		-4.97565923825E-06		Resid phase (deg)		-27.2	+/- 11.3

ph/seg (deg) 40.4 26.4 Search (1024X32) 0.279 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 52.2 46.1 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 25.4 15.9 Inc. seg. avg. 0.311 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 33.9 27.8 Inc. frq. avg. 0.288 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite dr window (ns/s) -0.011 0.011
 f: az 69.5 el 39.4 pa -75.8 l: az 72.7 el 39.2 pa -68.9 u,v (fr/asec) -242.920 -812.499 ion window (TEC) 0.00 0.00
 Control file: cf_1234_gmva Input file: /Exps/c201b/v1/1234/No0058/fl..18UHRL Output file: /Exps/c201b/v1/1234/No0058/fl.W.134.18UHRL simultaneous interpolator



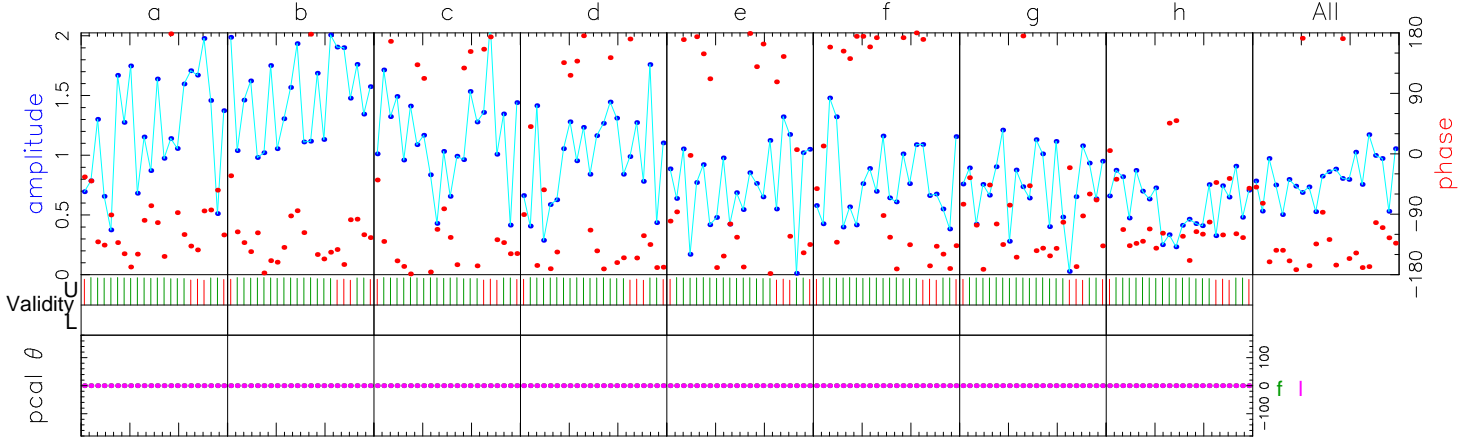
Fringe quality 7

SNR 24.4
 Int time 174.392
 Amp 0.675
 Phase -142.7
 PFD 0.0e+00
 Delays (us)
 SBD 0.005104
 MBD 0.004747
 Fringe rate (Hz)
 0.003791
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512



Exp. c201b
 Exper # 16383
 Yr:day 2020:117
 Start 090000.00
 Stop 090300.22
 FRT 090130.00
 Corr/FF/build
 2020:198:173855
 2020:199:143639
 2020:014:135814
 RA & Dec (J2000)
 20h25m10.842106s
 +33°43'00.214364"

Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



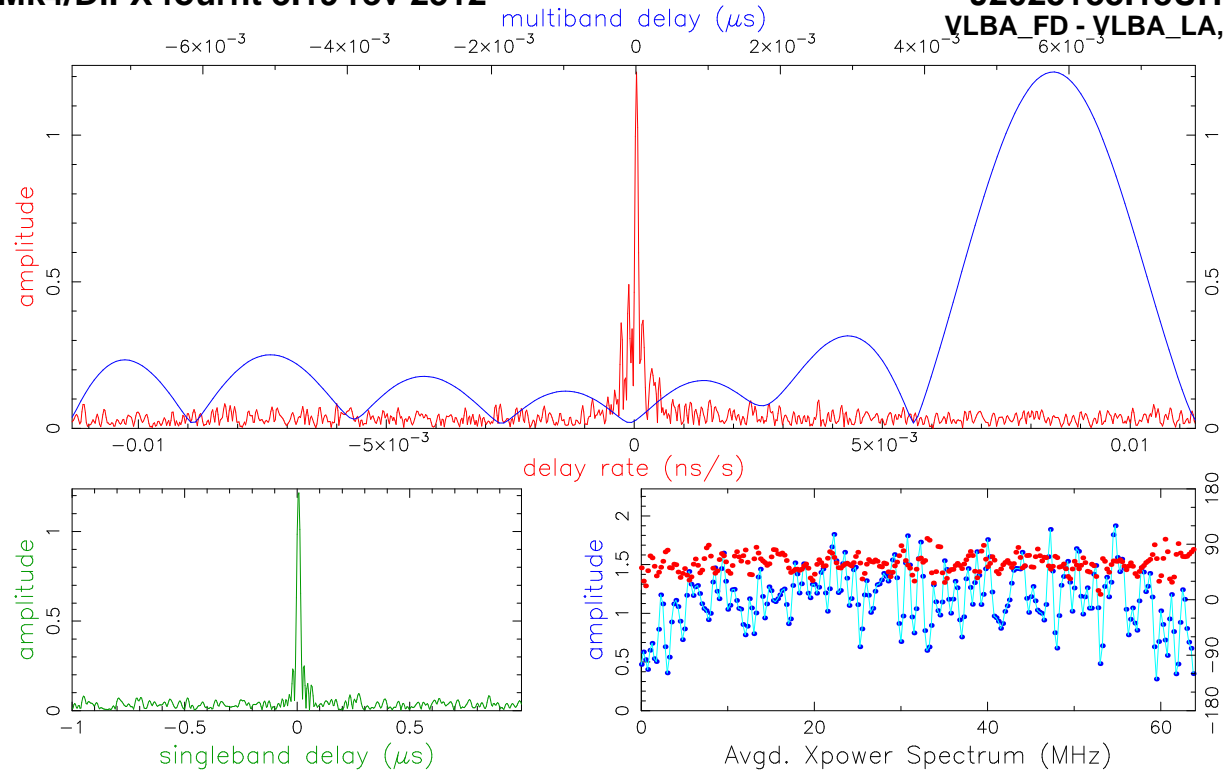
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
l	1000	1000	1000	1000	1000	1000	1000	1000		
f:l	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f:l	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
l	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		
l	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		

Group delay (usec)(sbd)	5.84102965591E+01	Apriori delay (usec)	5.84055493036E+01	Resid mbdelay (usec)	4.74726E-03	+/-	4.5E-05
Sband delay (usec)	5.84106528036E+01	Apriori clock (usec)	7.6065273E+00	Resid sbdelay (usec)	5.10350E-03	+/-	3.5E-04
Phase delay (usec)	5.84055447017E+01	Apriori clockrate (us/s)	2.6000000E-07	Resid phdelay (usec)	-4.60192E-06	+/-	1.5E-07
Delay rate (us/s)	3.45949822997E-02	Apriori rate (us/s)	3.45949382912E-02	Resid rate (us/s)	4.40085E-08	+/-	1.5E-09
Total phase (deg)	-136.6	Apriori accel (us/s/s)	-4.97565923825E-06	Resid phase (deg)	-142.7	+/-	4.7

ph/seg (deg)	RMS 35.7	Theor. 11.0	Amplitude Search (1024X32)	0.675 +/- 0.028	0.662	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-1.000	1.000
amp/seg (%)	32.5	19.2	Interp.	0.000	0.662	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	SampCntNorm: enabled	mb window (us)	-0.008	0.008
ph/frq (deg)	30.6	6.6	Inc. seg. avg.	0.789	0.789	Sample rate(MISamp/s): 128	nlags: 256	dr window (ns/s)	-0.011	0.011
amp/frq (%)	38.9	11.6	Inc. frq. avg.	0.732	0.732	Data rate(Mb/s): 2048	t_cohere infinite	ion window (TEC)	0.00	0.00

f: az 69.5 el 39.4 pa -75.8 l: az 72.7 el 39.2 pa -68.9 u,v (fr/asec) -242.920 -812.499 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c201b/v1/1234/No0058/fl..18UHRL Output file: /Exps/c201b/v1/1234/No0058/fl.W.39.18UHRL

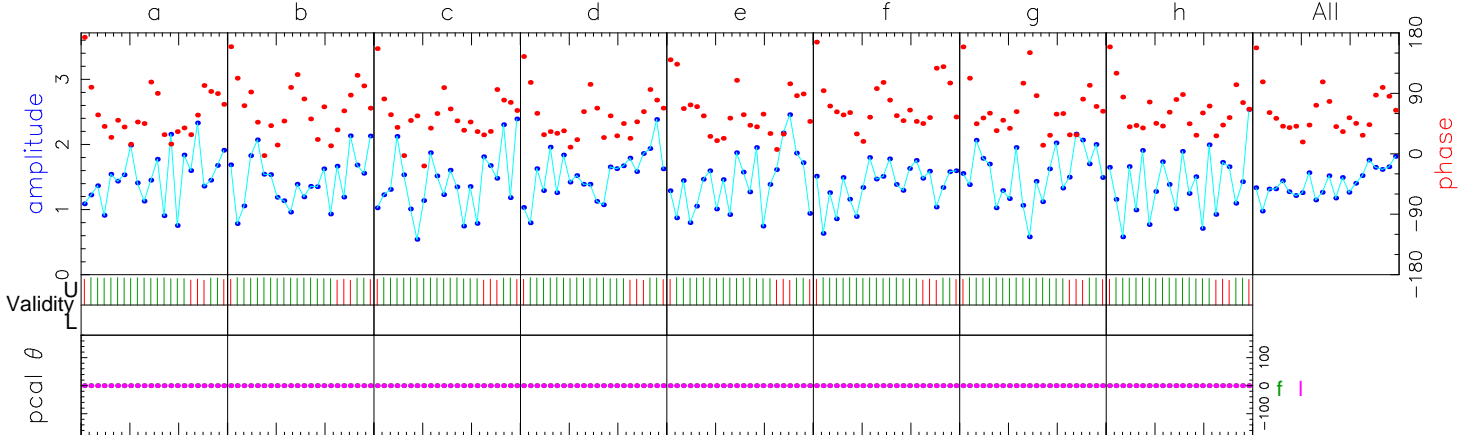


Fringe quality 8

SNR 44.7
Int time 174.392
Amp 1.238
Phase 61.3
PFD 0.0e+00
Delays (us)
SBD 0.006043
MBD 0.005741
Fringe rate (Hz) 0.003752
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.512

Exp. c201b
Exper # 16383
Yr:day 2020:117
Start 090000.00
Stop 090300.22
FRT 090130.00
Corr/FF/build
2020:198:173855
2020:199:143648
2020:014:135814
RA & Dec (J2000)
20h25m10.842106s
+33°43'00.214364"

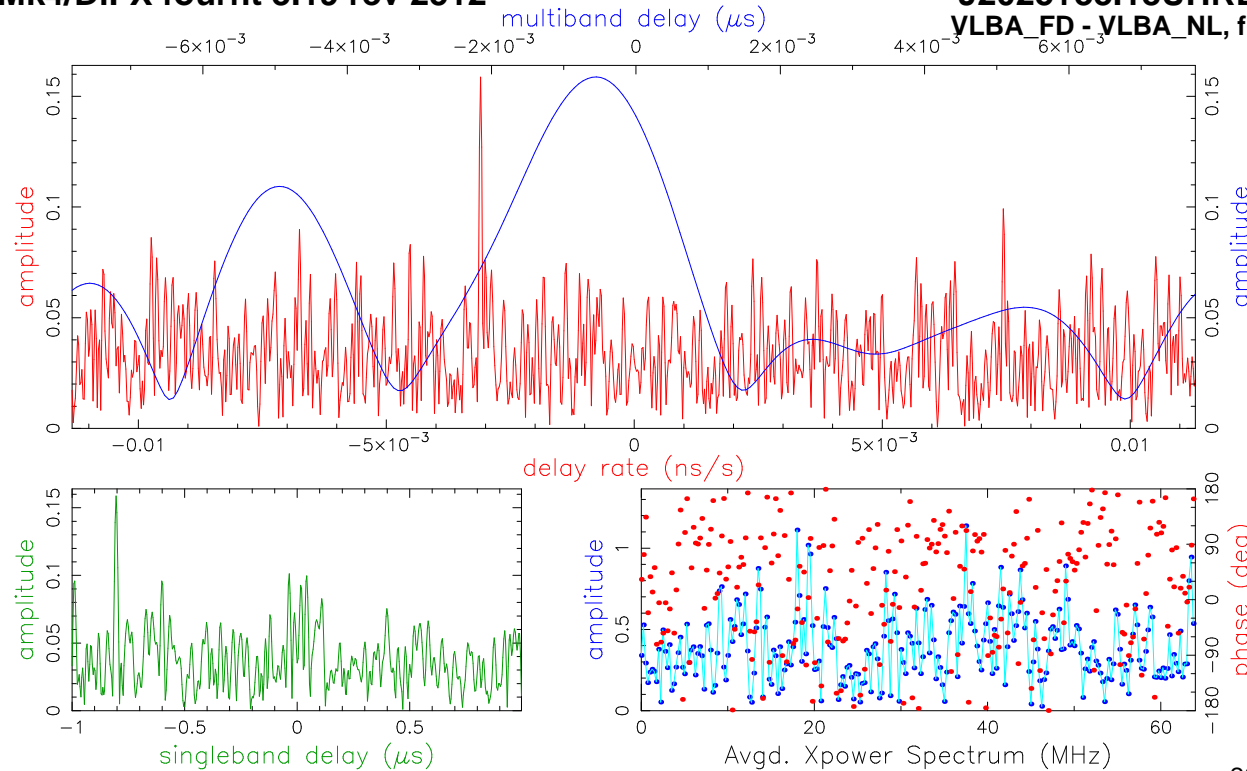
Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
l	1000	1000	1000	1000	1000	1000	1000	1000		
f:l	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f:l	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
l	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		
l	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		

Group delay (usec)(sbd)	5.84112904029E+01	Apriori delay (usec)	5.84055493036E+01	Resid mbdelay (usec)	5.74110E-03	+/-	2.4E-05
Sband delay (usec)	5.84115920536E+01	Apriori clock (usec)	7.6065273E+00	Resid sbdelay (usec)	6.04275E-03	+/-	1.9E-04
Phase delay (usec)	5.84055512809E+01	Apriori clockrate (us/s)	2.6000000E-07	Resid phdelay (usec)	1.97727E-06	+/-	8.3E-08
Delay rate (us/s)	3.45949818533E-02	Apriori rate (us/s)	3.45949382912E-02	Resid rate (us/s)	4.35621E-08	+/-	7.9E-10
Total phase (deg)	67.4	Apriori accel (us/s/s)	-4.97565923825E-06	Resid phase (deg)	61.3	+/-	2.6

ph/seg (deg)	32.3	Theor.	6.0	Amplitude	1.238 +/- 0.028	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5		
amp/seg (%)	21.6	Search (1024X32)	1.211	Interp.	0.000	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000		
ph/frq (deg)	7.1	Inc. seg. avg.	1.399	Inc. frq. avg.	1.220	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.008 0.008	
amp/frq (%)	5.3	Inc. frq. avg.	1.220	Sample rate (MSamp/s):	128	Data rate (Mb/s):	2048	nlags: 256	t_cohere infinite	dr window (ns/s)	-0.011 0.011
f: az 69.5 el 39.4 pa -75.8		l: az 72.7 el 39.2 pa -68.9		u,v (fr/asec)	-242.920 -812.499	ion window (TEC)	0.00	0.00	0.00	simultaneous interpolator	

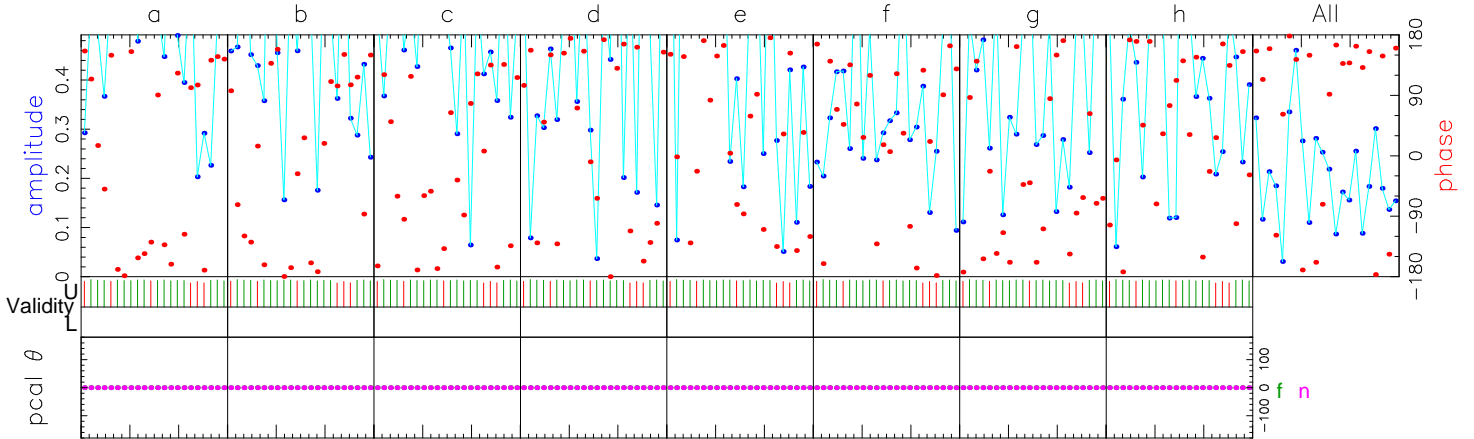


Fringe quality 0

SNR 5.7
 Int time 172.542
 Amp 0.164
 Phase 165.7
 PFD 7.5e-01
 Delays (us)
 SBD -0.804209
 MBD -0.000525
 Fringe rate (Hz)
 -0.267634
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512

Exp. c201b
 Exper # 16383
 Yr:day 2020:117
 Start 090000.00
 Stop 090300.22
 FRT 090130.00
 Corr/FF/build
 2020:198:173855
 2020:199:143643
 2020:014:135814
 RA & Dec (J2000)
 20h25m10.842106s
 +33°43'00.214364"

Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



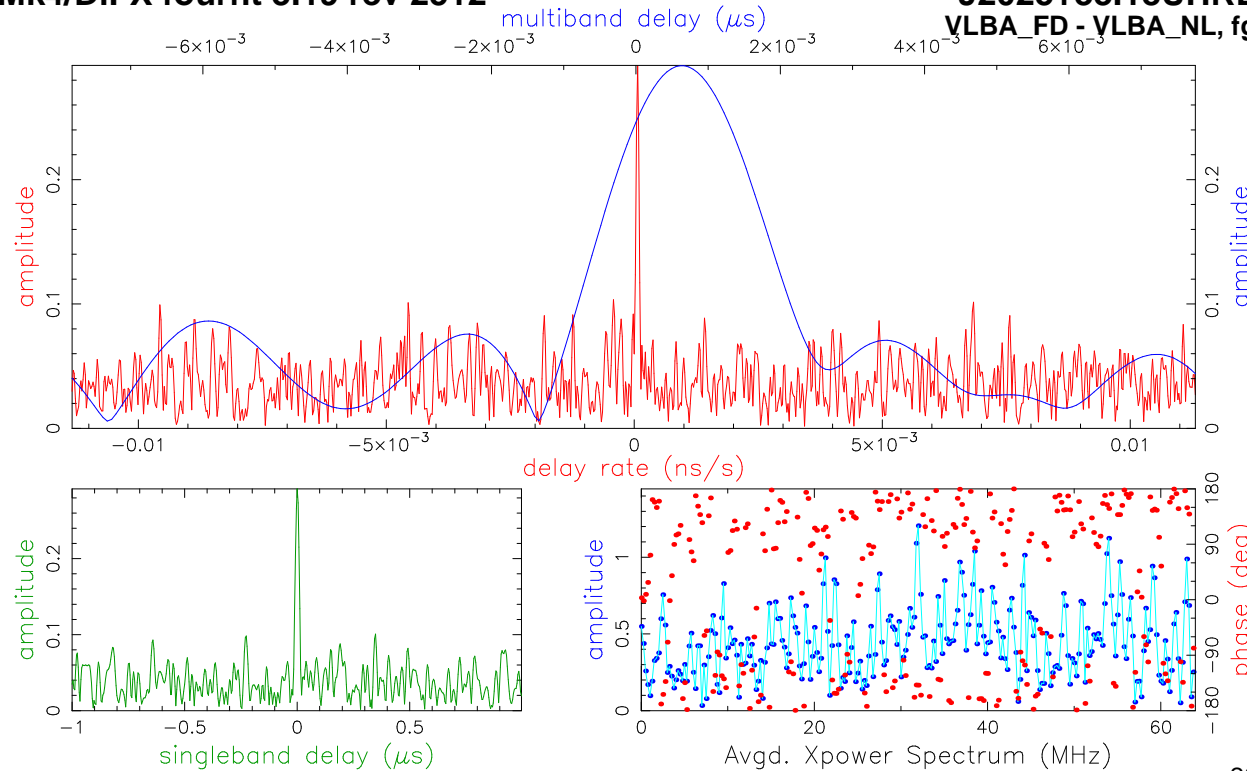
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
n	1000	1000	1000	1000	1000	1000	1000	1000		
f:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
n	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		
n	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		

Group delay (usec)(sbd)	-3.17394362926E+03	Apriori delay (usec)	-3.17314622975E+03	Resid mbdelay (usec)	-5.24513E-04	+/-	1.9E-04
Sband delay (usec)	-3.17395043900E+03	Apriori clock (usec)	-2.8390610E+01	Resid sbdelay (usec)	-8.04209E-01	+/-	1.5E-03
Phase delay (usec)	-3.17314622441E+03	Apriori clockrate (us/s)	-2.2499998E-07	Resid phdelay (usec)	5.34279E-06	+/-	6.5E-07
Delay rate (us/s)	2.49962110962E-01	Apriori rate (us/s)	2.49965217930E-01	Resid rate (us/s)	-3.10697E-06	+/-	6.2E-09
Total phase (deg)		Apriori accel (us/s/s)	6.91103430919E-06	Resid phase (deg)	165.7	+/-	20.1

ph/seg (deg)	46.8	RMS	47.1	Theor.	47.1	Amplitude	0.164 +/- 0.029	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5	sb window (us)	-1.000	1.000
amp/seg (%)	67.7		82.1		82.1	Search (1024X32)	0.152	Pcal rate:	0.000E+00, 0.000E+00 (us/s)			mb window (us)	-0.008	0.008
ph/frq (deg)	46.5		28.4		28.4	Interp.	0.000	Bits/sample:	2x2	SampCntNorm:	enabled	dr window (ns/s)	-0.011	0.011
amp/frq (%)	58.3		49.5		49.5	Inc. seg. avg.	0.158	Sample rate(MISamp/s):	128			ion window (TEC)	0.00	0.00
						Inc. frq. avg.	0.173	Data rate(Mb/s):	2048	nlags:	256	t_cohere	infinite	

f: az 69.5 el 39.4 pa -75.8 n: az 85.8 el 51.6 pa -63.4 u,v (fr/asec) -1719.352 -779.291 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c201b/v1/1234/No0058/fn..18UHRL Output file: /Exps/c201b/v1/1234/No0058/fn.W.56.18UHRL

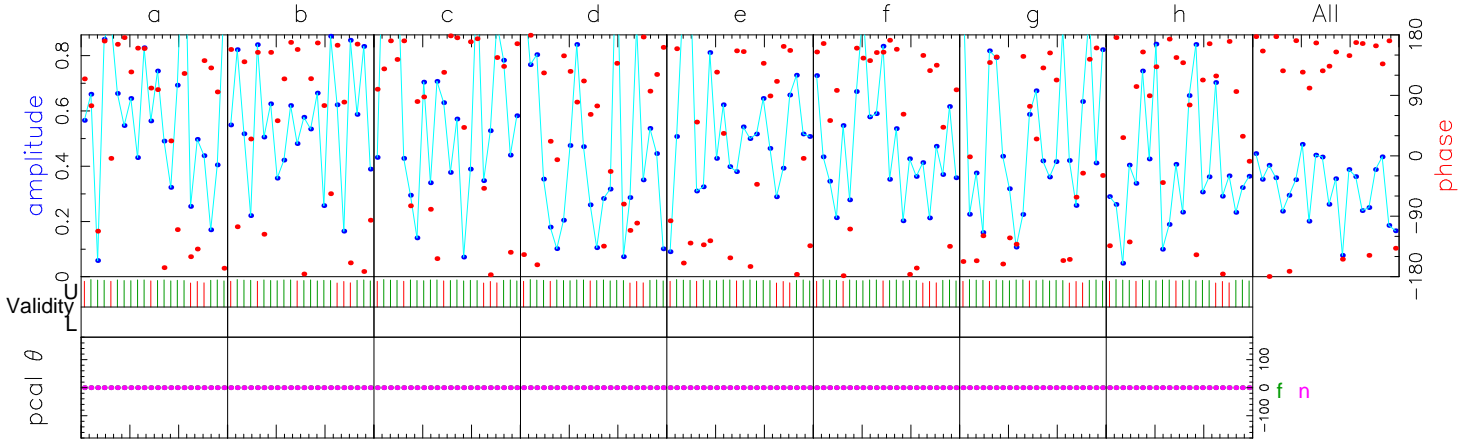


Fringe quality 9

SNR 10.5
Int time 172.542
Amp 0.292
Phase 159.4
PFD 2.3e-17
Delays (us)
SBD 0.000354
MBD 0.000645
Fringe rate (Hz)
0.006415
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

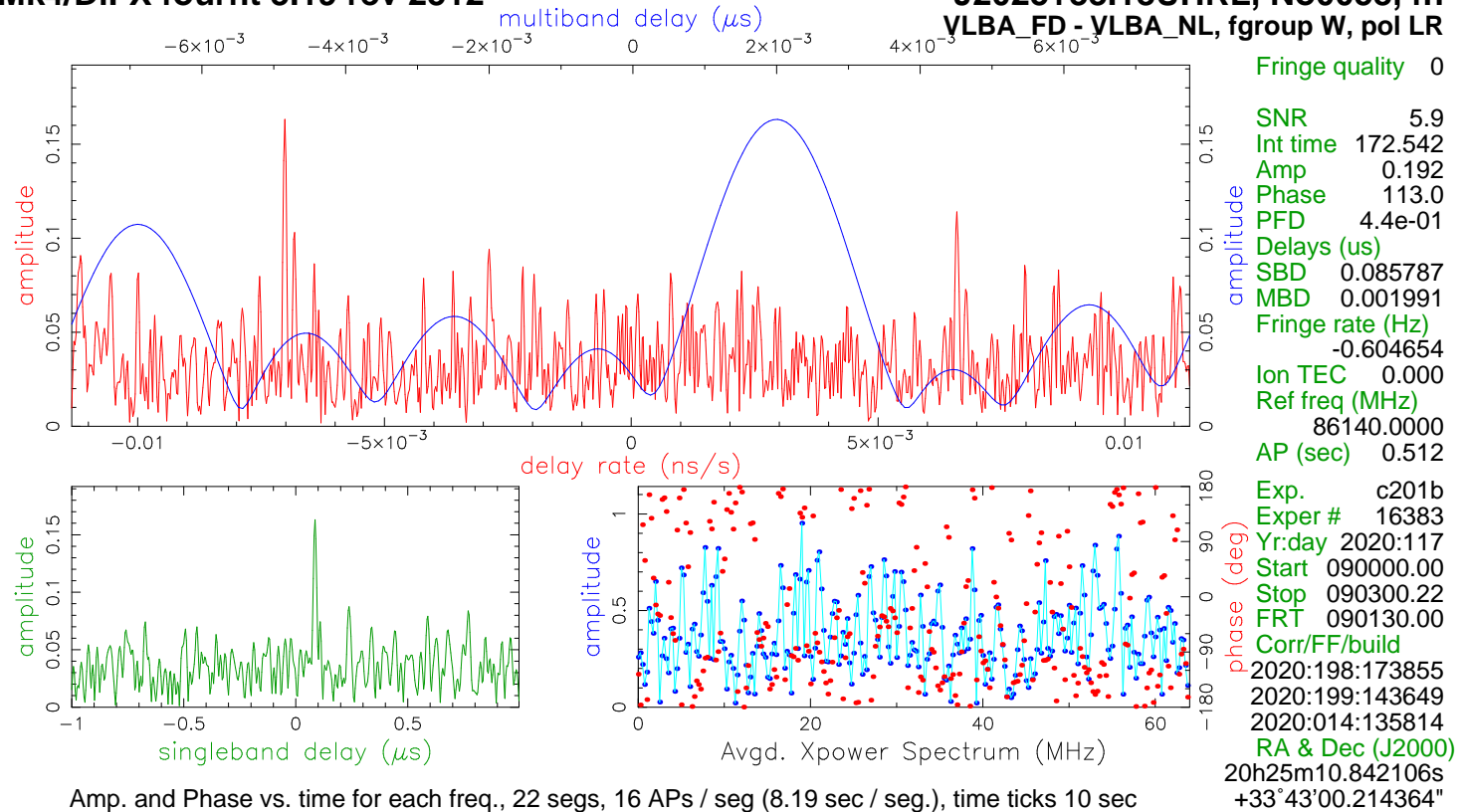
Exp. c201b
Exper # 16383
Yr:day 2020:117
Start 090000.00
Stop 090300.22
FRT 090130.00
Corr/FF/build
2020:198:173855
2020:199:143647
2020:014:135814
RA & Dec (J2000)
20h25m10.842106s
+33°43'00.214364"

Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec

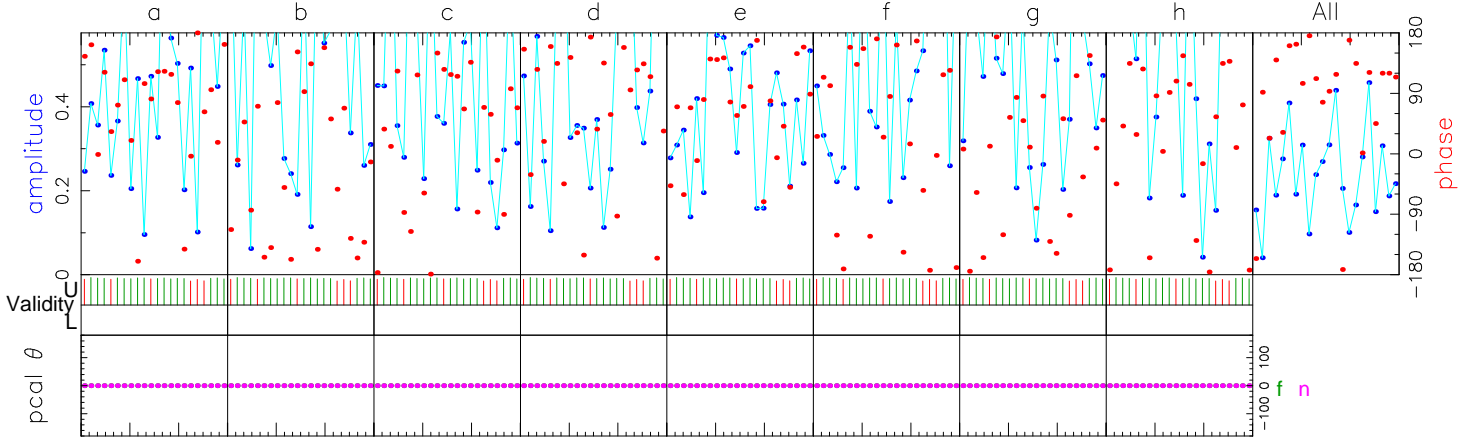


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
n	1000	1000	1000	1000	1000	1000	1000	1000		
f:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
n	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		
n	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		
Group delay (usec)(sbd)		-3.17314558463E+03			-3.17314622975E+03				6.45118E-04	+/- 1.0E-04
Sband delay (usec)		-3.17314587625E+03			-2.8390610E+01				3.53500E-04	+/- 8.2E-04
Phase delay (usec)		-3.17314622461E+03			-2.2499998E-07				5.13992E-06	+/- 3.5E-07
Delay rate (us/s)		2.49965292403E-01			2.49965217930E-01				7.44722E-08	+/- 3.4E-09
Total phase (deg)			76.4		6.91103430919E-06				159.4	+/- 10.9
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	sb window (us) -1.000 1.000
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
nlags:					256				t_cohere infinite	

ph/seg (deg) 29.7 25.6 Search (1024X32) 0.283 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 37.4 44.7 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 15.3 15.5 Inc. seg. avg. 0.294 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 27.2 27.0 Inc. frq. avg. 0.288 Sample rate (MSamp/s): 128 dr window (ns/s) -0.011 0.011
 f: az 69.5 el 39.4 pa -75.8 n: az 85.8 el 51.6 pa -63.4 u,v (fr/asec) -1719.352 -779.291 nlags: 256 t_cohere infinite ion window (TEC) 0.00 0.00 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c201b/v1/1234/No0058/fn..18UHRL Output file: /Exps/c201b/v1/1234/No0058/fn.W.71.18UHRL



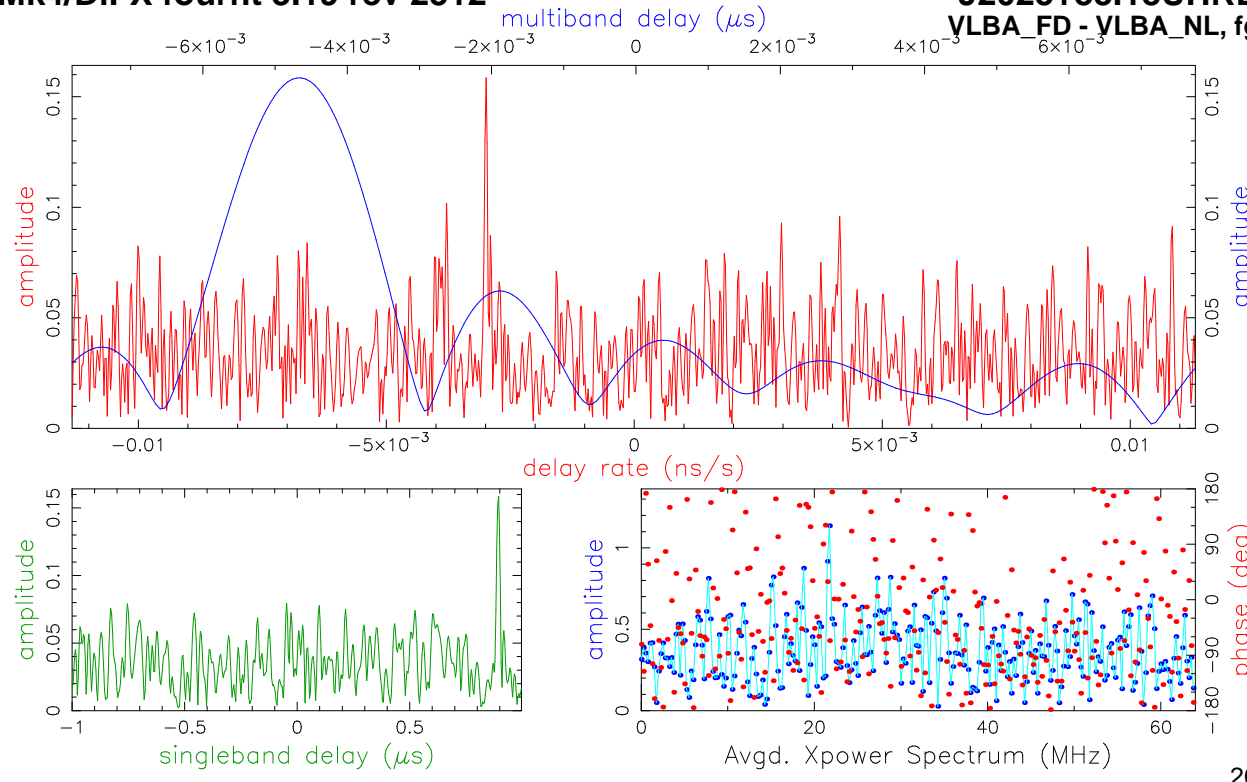
Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
101.8	157.9	110.9	129.5	90.4	148.6	92.6	103.2	103.2	Phase	113.0
0.3	0.1	0.2	0.2	0.2	0.3	0.1	0.3	0.3	Ampl.	0.2
277.5	489.3	164.5	143.1	386.2	464.9	381.9	279.8	279.8	Sbd box	279.0
U/L 352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0	APs used	
f 1000	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
n 1000	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
f:n 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
f:n 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
f 1000	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
n 1000	1000	1000	1000	1000	1000	1000	1000	1000		
f W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		Chan ids	
n W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		Tracks	
									Tracks	
Group delay (usec)(sbd)	-3.17306611405E+03		Apriori delay (usec)	-3.17314622975E+03		Resid mbdelay (usec)	1.99070E-03	+/-	1.9E-04	
Sband delay (usec)	-3.17306044275E+03		Apriori clock (usec)	-2.8390610E+01		Resid sbdelay (usec)	8.57870E-02	+/-	1.5E-03	
Phase delay (usec)	-3.17314622610E+03		Apriori clockrate (us/s)	-2.2499998E-07		Resid phdelay (usec)	3.64482E-06	+/-	6.3E-07	
Delay rate (us/s)	2.49958198495E-01		Apriori rate (us/s)	2.49965217930E-01		Resid rate (us/s)	-7.01944E-06	+/-	6.1E-09	
Total phase (deg)		30.0	Apriori accel (us/s/s)	6.91103430919E-06		Resid phase (deg)	113.0	+/-	19.6	
RMS	52.1	45.9	Amplitude	0.192 +/- 0.033		Pcal mode: MANUAL, MANUAL		PC period (AP's)	5, 5	
ph/seg (deg)	52.1	45.9	Search (1024X32)	0.159		Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-1.000 1.000	
amp/seg (%)	81.4	80.0	Interp.	0.000		Bits/sample: 2x2		SampCntNorm: enabled	mb window (us)	-0.008 0.008
ph/frq (deg)	28.0	27.6	Inc. seg. avg.	0.215		Sample rate(MISamp/s): 128			dr window (ns/s)	-0.011 0.011
amp/frq (%)	51.6	48.3	Inc. frq. avg.	0.184		Data rate(Mb/s): 2048		nlags: 256 t_cohere infinite	ion window (TEC)	0.00 0.00
f: az 69.5 el 39.4 pa -75.8			n: az 85.8 el 51.6 pa -63.4			u,v (fr/asec)	-1719.352 -779.291			simultaneous interpolator
Control file: cf_1234_gmva			Input file: /Exps/c201b/v1/1234/No0058/fn..18UHRL			Output file: /Exps/c201b/v1/1234/No0058/fn.W.79.18UHRL				

Mk4/DiFX fourfit 3.19 rev 2512

J2025+33.18UHRL, No0058, fn
VLBA_FD - VLBA_NL, fgroup W, pol RL

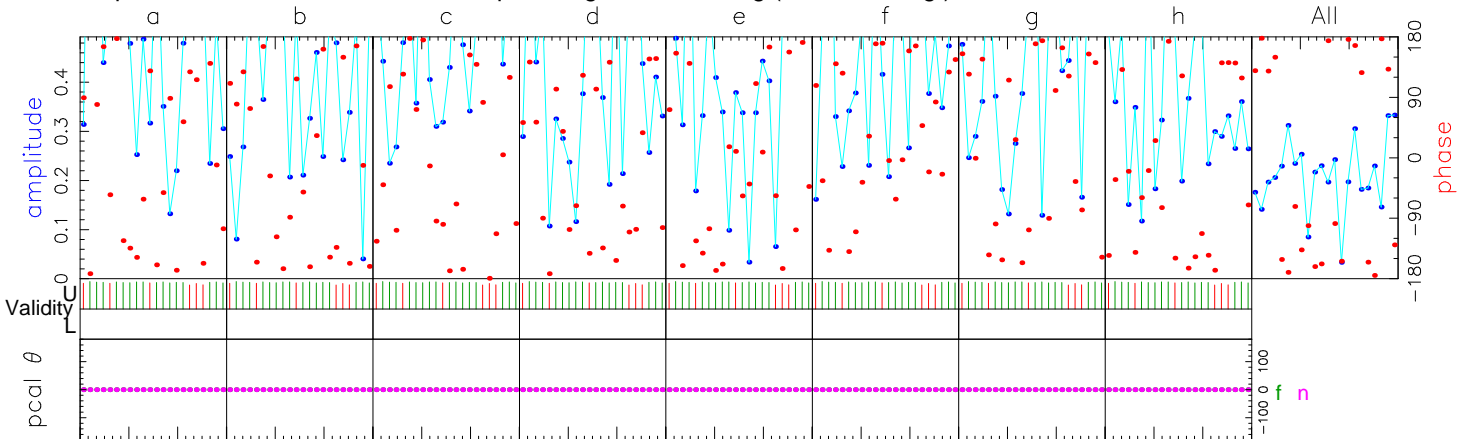


Fringe quality 0

SNR 5.7
Int time 172.542
Amp 0.164
Phase -171.6
PFD 7.1e-01
Delays (us)
SBD 0.893535
MBD -0.004692
Fringe rate (Hz)
-0.258490
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

Exp. c201b
Exper # 16383
Yr:day 2020:117
Start 090000.00
Stop 090300.22
FRT 090130.00
Corr/FF/build
2020:198:173855
2020:199:143653
2020:014:135814
RA & Dec (J2000)
20h25m10.842106s
+33°43'00.214364"

Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



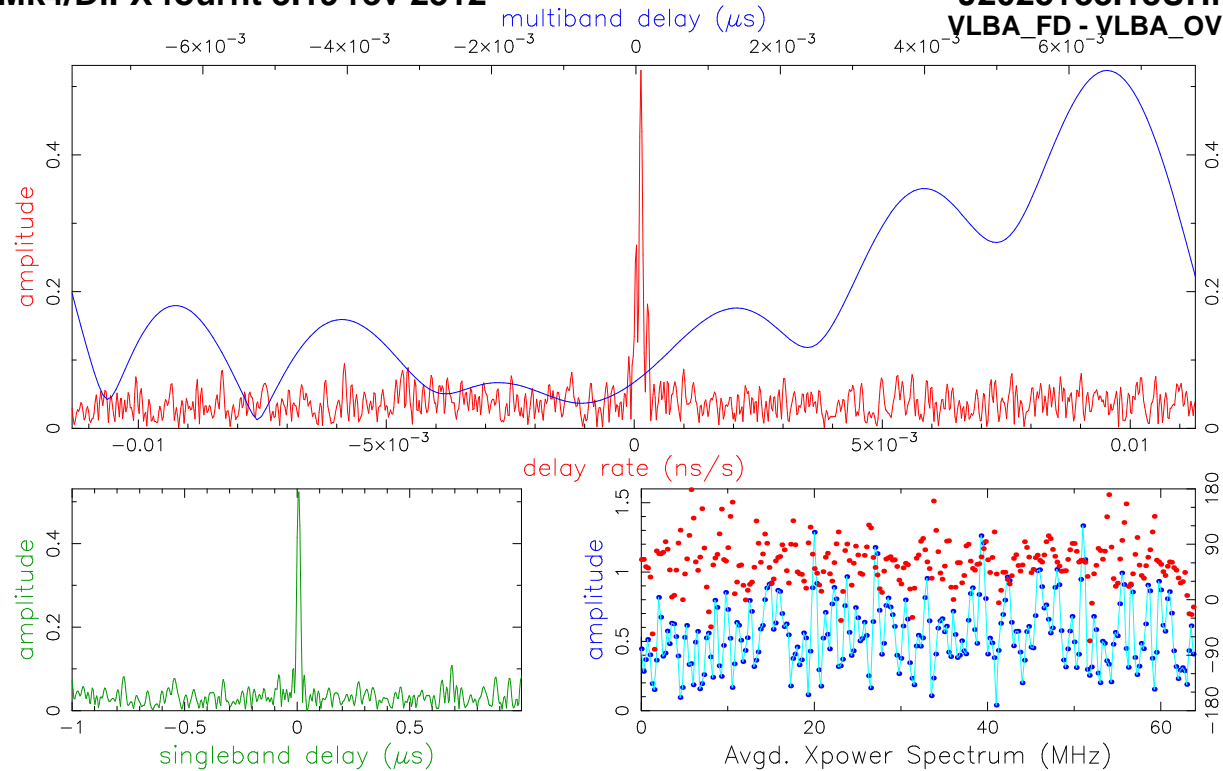
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
n	1000	1000	1000	1000	1000	1000	1000	1000		
f:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
n	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		
n	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		

Group delay (usec)(sbd)	-3.17226029625E+03	Apriori delay (usec)	-3.17314622975E+03	Resid mbdelay (usec)	-4.69150E-03	+/-	1.9E-04
Sband delay (usec)	-3.17225269425E+03	Apriori clock (usec)	-2.8390610E+01	Resid sbdelay (usec)	8.93535E-01	+/-	1.5E-03
Phase delay (usec)	-3.17314623528E+03	Apriori clockrate (us/s)	-2.2499998E-07	Resid phdelay (usec)	-5.53374E-06	+/-	6.5E-07
Delay rate (us/s)	2.49962217118E-01	Apriori rate (us/s)	2.49965217930E-01	Resid rate (us/s)	-3.00081E-06	+/-	6.2E-09
Total phase (deg)	-254.6	Apriori accel (us/s/s)	6.91103430919E-06	Resid phase (deg)	-171.6	+/-	20.0

ph/seg (deg)	43.3	Theor.	46.9	Amplitude	0.164 +/- 0.029	Pcal mode: MANUAL, MANUAL	PC period (AP's)	5, 5	sb window (us)	-1.000	1.000
amp/seg (%)	56.0		81.9	Search (1024X32)	0.150	Pcal rate: 0.000E+00, 0.000E+00 (us/s)			mb window (us)	-0.008	0.008
ph/frq (deg)	9.8		28.3	Inc. seg. avg.	0.164	Bits/sample: 2x2	SampCntNorm: enabled		dr window (ns/s)	-0.011	0.011
amp/frq (%)	23.7		49.4	Inc. frq. avg.	0.147	Sample rate(MISamp/s): 128			ion window (TEC)	0.00	0.00
						Data rate(Mb/s): 2048	nlags: 256	t_cohere infinite			

f: az 69.5 el 39.4 pa -75.8 n: az 85.8 el 51.6 pa -63.4 u,v (fr/asec) -1719.352 -779.291 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c201b/v1/1234/No0058/fn..18UHRL Output file: /Exps/c201b/v1/1234/No0058/fn.W.95.18UHRL

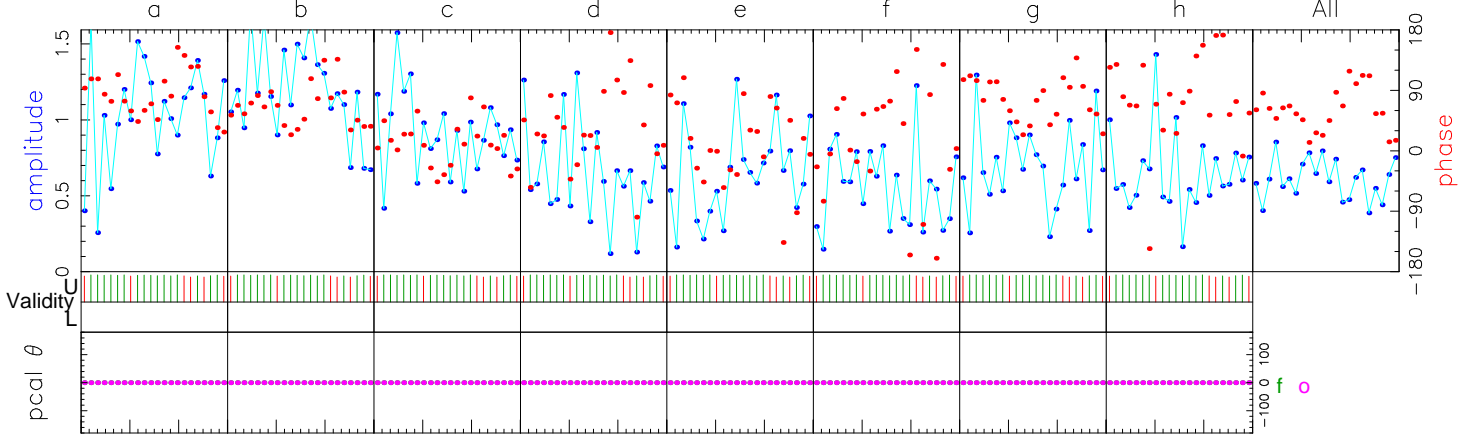


Fringe quality 7

SNR 19.1
Int time 173.219
Amp 0.531
Phase 56.5
PFD 0.0e+00
Delays (us)
SBD 0.006269
MBD 0.006507
Fringe rate (Hz)
0.011399
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

Exp. c201b
Exper # 16383
Yr:day 2020:117
Start 090000.00
Stop 090300.22
FRT 090130.00
Corr/FF/build
2020:198:173855
2020:199:143642
2020:014:135814
RA & Dec (J2000)
20h25m10.842106s
+33°43'00.214364"

Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



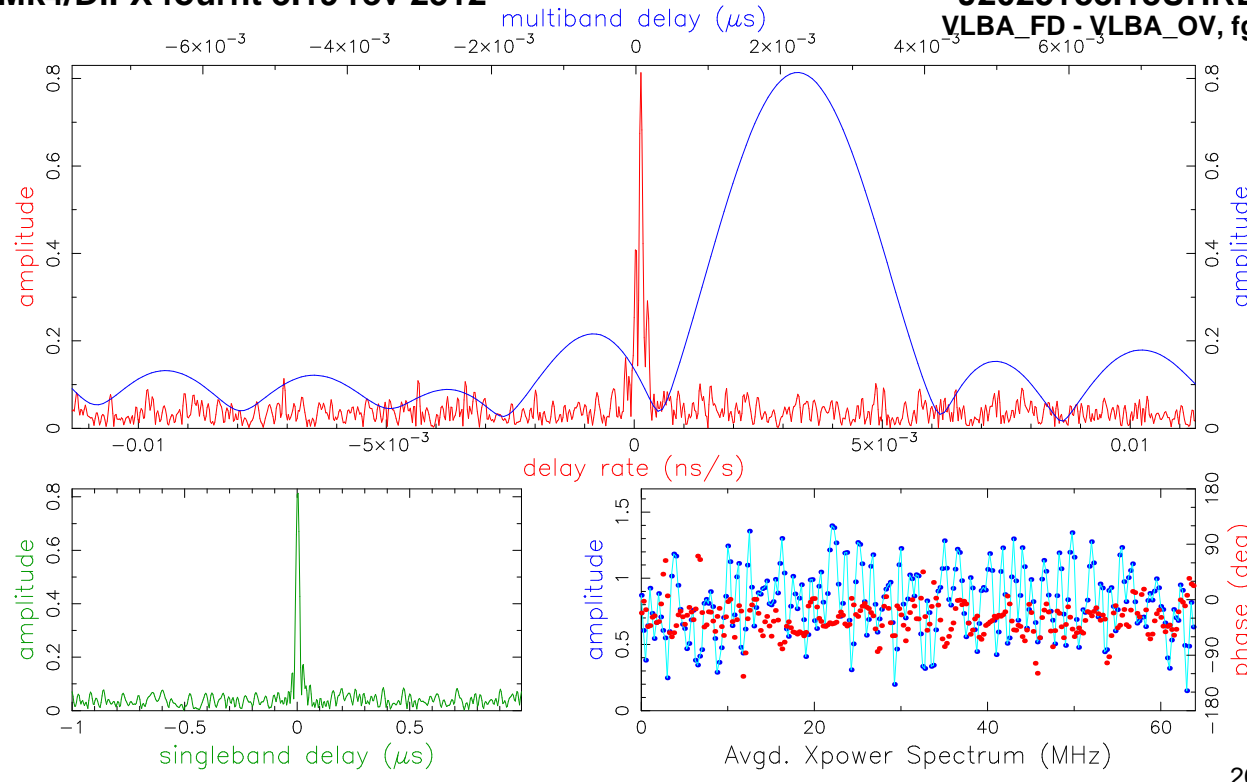
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0		258.6
f	1000	1000	1000	1000	1000	1000	1000	1000		0.9
o	1000	1000	1000	1000	1000	1000	1000	1000		0.2
f:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		46.6
f:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		0.4
f	1000	1000	1000	1000	1000	1000	1000	1000		0.6
o	1000	1000	1000	1000	1000	1000	1000	1000		0.6
f	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		258.6
o	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		258.6

Group delay (usec)(sbd)	2.66896788843E+03	Apriori delay (usec)	2.66896138139E+03	Resid mbdelay (usec)	6.50705E-03	+/-	5.7E-05
Sband delay (usec)	2.66896765014E+03	Apriori clock (usec)	-1.6189924E+01	Resid sbdelay (usec)	6.26875E-03	+/-	4.5E-04
Phase delay (usec)	2.66896138321E+03	Apriori clockrate (us/s)	-9.2000002E-08	Resid phdelay (usec)	1.82280E-06	+/-	1.9E-07
Delay rate (us/s)	-2.68307379040E-02	Apriori rate (us/s)	-2.68308702328E-02	Resid rate (us/s)	1.32329E-07	+/-	1.9E-09
Total phase (deg)	197.8	Apriori accel (us/s/s)	-2.02606161374E-05	Resid phase (deg)	56.5	+/-	6.0

ph/seg (deg)	31.4	Theor.	Amplitude	0.531 +/- 0.028	PCal mode: MANUAL, MANUAL	PC period (AP's)	5, 5		
amp/seg (%)	28.1	14.1	Search (1024X32)	0.516	PCal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000		
ph/frq (deg)	33.0	8.5	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	mb window (us)	-0.008 0.008	
amp/frq (%)	49.5	14.8	Inc. seg. avg.	0.591	Sample rate(MISamp/s): 128		dr window (ns/s)	-0.011 0.011	
			Inc. frq. avg.	0.590	Data rate(Mb/s): 2048	nlags: 256	t_cohere infinite	ion window (TEC)	0.00 0.00

f: az 69.5 el 39.4 pa -75.8 o: az 68.8 el 30.5 pa -63.2 u,v (fr/asec) 169.086 -1767.697 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c201b/v1/1234/No0058/fo..18UHRL Output file: /Exps/c201b/v1/1234/No0058/fo.W.51.18UHRL

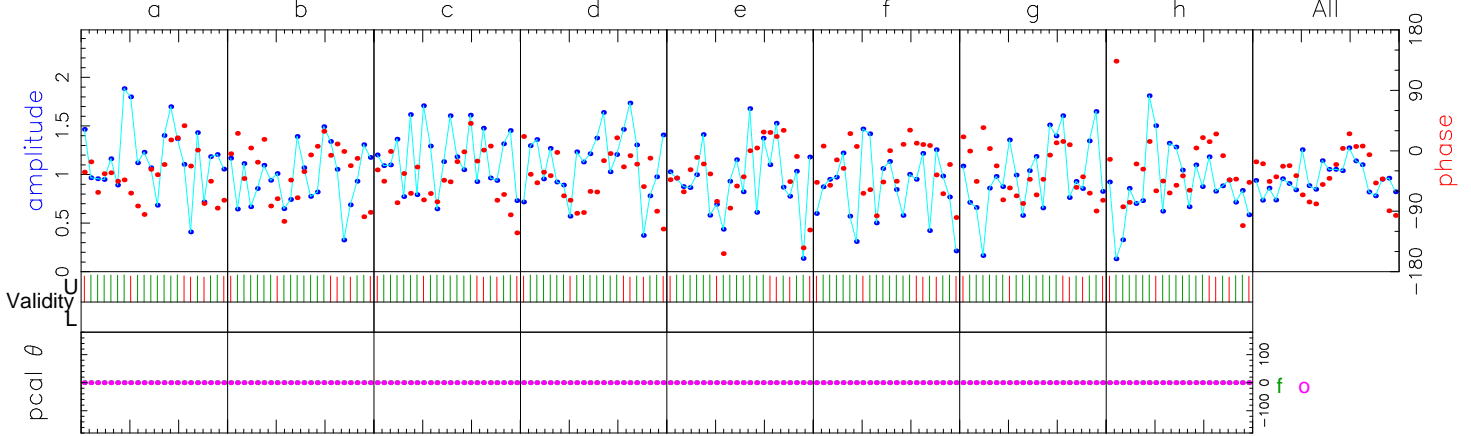


Fringe quality 8

SNR 29.9
Int time 173.218
Amp 0.830
Phase -33.3
PFD 0.0e+00
Delays (us)
SBD 0.002094
MBD 0.002199
Fringe rate (Hz) 0.011390
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.512

Exp. c201b
Exper # 16383
Yr:day 2020:117
Start 090000.00
Stop 090300.22
FRT 090130.00
Corr/FF/build
2020:198:173855
2020:199:143644
2020:014:135814
RA & Dec (J2000)
20h25m10.842106s
+33°43'00.214364"

Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec

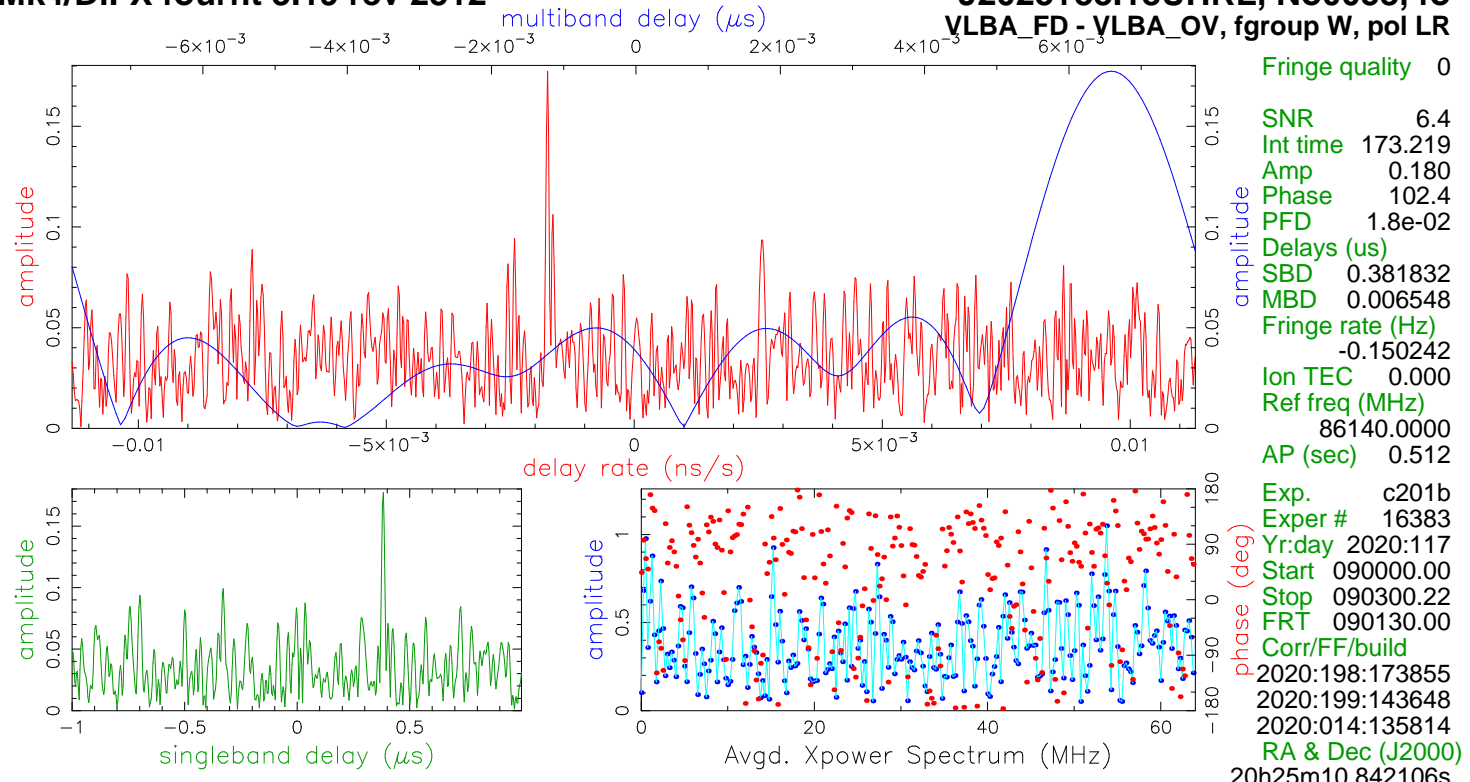


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-36.4	-27.7	-41.7	-39.8	-24.1	-25.5	-35.3	-29.9	Phase	-33.3
	1.0	0.7	0.9	0.9	0.7	0.7	0.8	0.7	Ampl.	0.8
	257.8	257.3	257.5	257.4	257.7	257.4	257.7	257.5	Sbd box	257.5
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0	APs used	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
o	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
f:o	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
f:o	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
o	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
o	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	

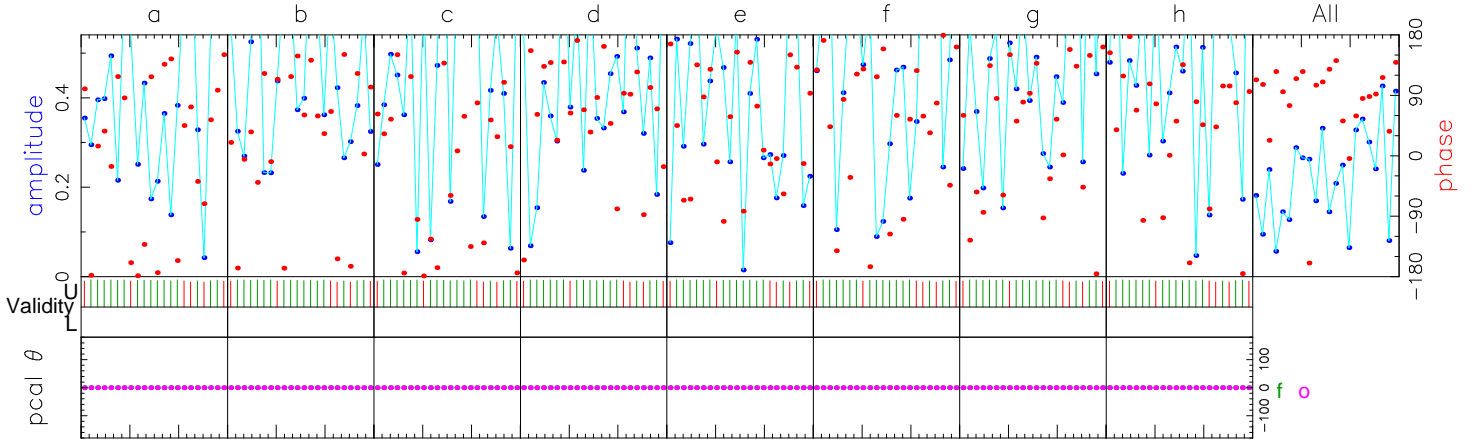
Group delay (usec)(sbd)	2.66896358053E+03	Apriori delay (usec)	2.66896138139E+03	Resid mbdelay (usec)	2.19914E-03	+/-	3.6E-05
Sband delay (usec)	2.66896347564E+03	Apriori clock (usec)	-1.6189924E+01	Resid sbdelay (usec)	2.09425E-03	+/-	2.9E-04
Phase delay (usec)	2.66896138031E+03	Apriori clockrate (us/s)	-9.2000002E-08	Resid phdelay (usec)	-1.07230E-06	+/-	1.2E-07
Delay rate (us/s)	-2.68307380103E-02	Apriori rate (us/s)	-2.68308702328E-02	Resid rate (us/s)	1.32223E-07	+/-	1.2E-09
Total phase (deg)	108.1	Apriori accel (us/s/s)	-2.02606161374E-05	Resid phase (deg)	-33.3	+/-	3.8

ph/seg (deg)	31.9	Theor.	9.0	Amplitude	0.830 +/- 0.028	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5	
amp/seg (%)	24.1	Search (1024X32)	0.796	Interp.	0.000	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000	
ph/frq (deg)	7.2	Inc. seg. avg.	0.948	Inc. frq. avg.	0.814	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.008 0.008
amp/frq (%)	12.3	Inc. frq. avg.	0.814			Sample rate (MSamp/s):	128	dr window (ns/s)	-0.011 0.011	
f: az 69.5 el 39.4 pa -75.8		o: az 68.8 el 30.5 pa -63.2		u, v (fr/asec)	169.086 -1767.697	Data rate (Mb/s):	2048	ion window (TEC)	0.00 0.00	
Control file: cf_1234_gmva		Input file: /Exps/c201b/v1/1234/No0058/fo..18UHRL		Output file: /Exps/c201b/v1/1234/No0058/fo.W.59.18UHRL		nlags:	256	t_cohere	infinite	

simultaneous interpolator



Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
102.0	87.2	112.1	100.1	95.8	98.7	98.7	130.9	90.3	Phase	102.4
0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	Ampl.	0.2
26.4	443.2	116.1	449.6	12.2	426.7	59.0	353.6		Sbd box	354.7
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0	APs used	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
o	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
f:o	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
f:o	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
o	1000	1000	1000	1000	1000	1000	1000	1000		
f	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)	2.66934292946E+03		Apriori delay (usec)	2.66896138139E+03	Resid mbdelay (usec)	6.54808E-03	+/-	1.7E-04		
Sband delay (usec)	2.66934321339E+03		Apriori clock (usec)	-1.6189924E+01	Resid sbdelay (usec)	3.81832E-01	+/-	1.3E-03		
Phase delay (usec)	2.66896138469E+03		Apriori clockrate (us/s)	-9.2000002E-08	Resid phdelay (usec)	3.30153E-06	+/-	5.8E-07		
Delay rate (us/s)	-2.68326143970E-02		Apriori rate (us/s)	-2.68308702328E-02	Resid rate (us/s)	-1.74416E-06	+/-	5.5E-09		
Total phase (deg)		243.7	Apriori accel (us/s/s)	-2.02606161374E-05	Resid phase (deg)	102.4	+/-	17.8		

ph/seg (deg) 44.3 41.8 Search (1024X32) 0.173 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5

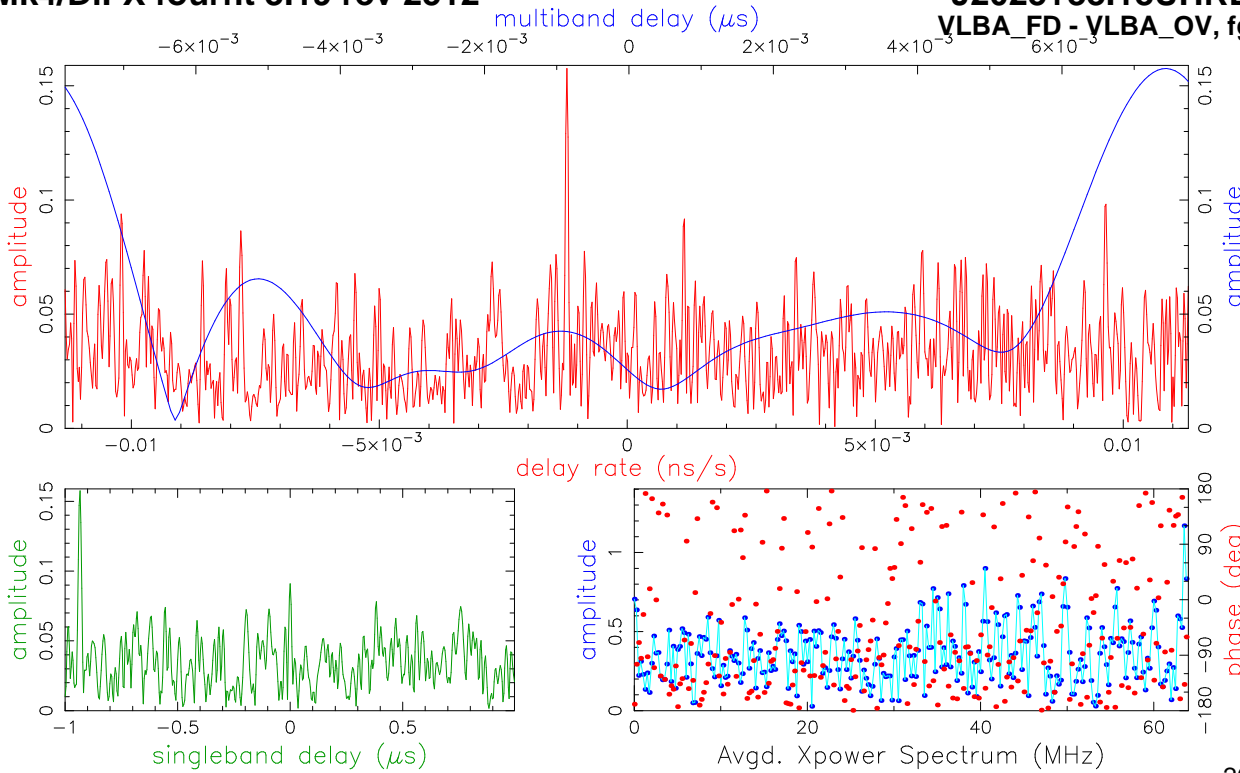
amp/seg (%) 64.9 73.0 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000

ph/frq (deg) 15.0 25.2 Inc. seg. avg. 0.179 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008

amp/frq (%) 20.6 44.0 Inc. frq. avg. 0.168 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite dr window (ns/s) -0.011 0.011

f: az 69.5 el 39.4 pa -75.8 o: az 68.8 el 30.5 pa -63.2 u,v (fr/asec) 169.086 -1767.697 ion window (TEC) 0.00 0.00 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c201b/v1/1234/No0058/fo..18UHRL Output file: /Exps/c201b/v1/1234/No0058/fo.W.77.18UHRL

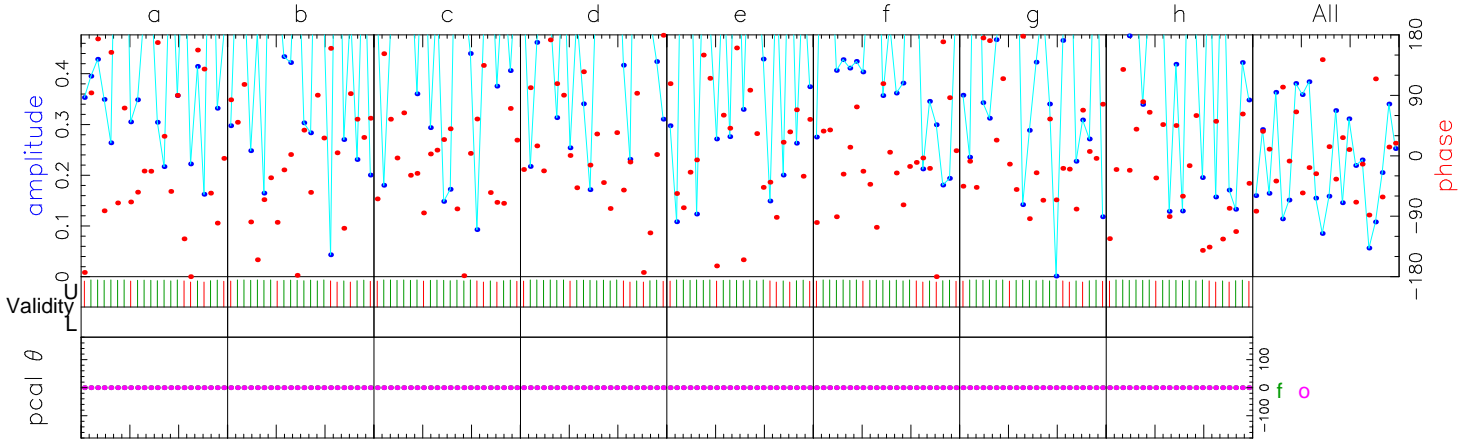


Fringe quality 0

SNR 5.7
Int time 173.218
Amp 0.159
Phase -7.0
PFD 7.9e-01
Delays (us)
SBD -0.934328
MBD -0.008192
Fringe rate (Hz)
-0.105810
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

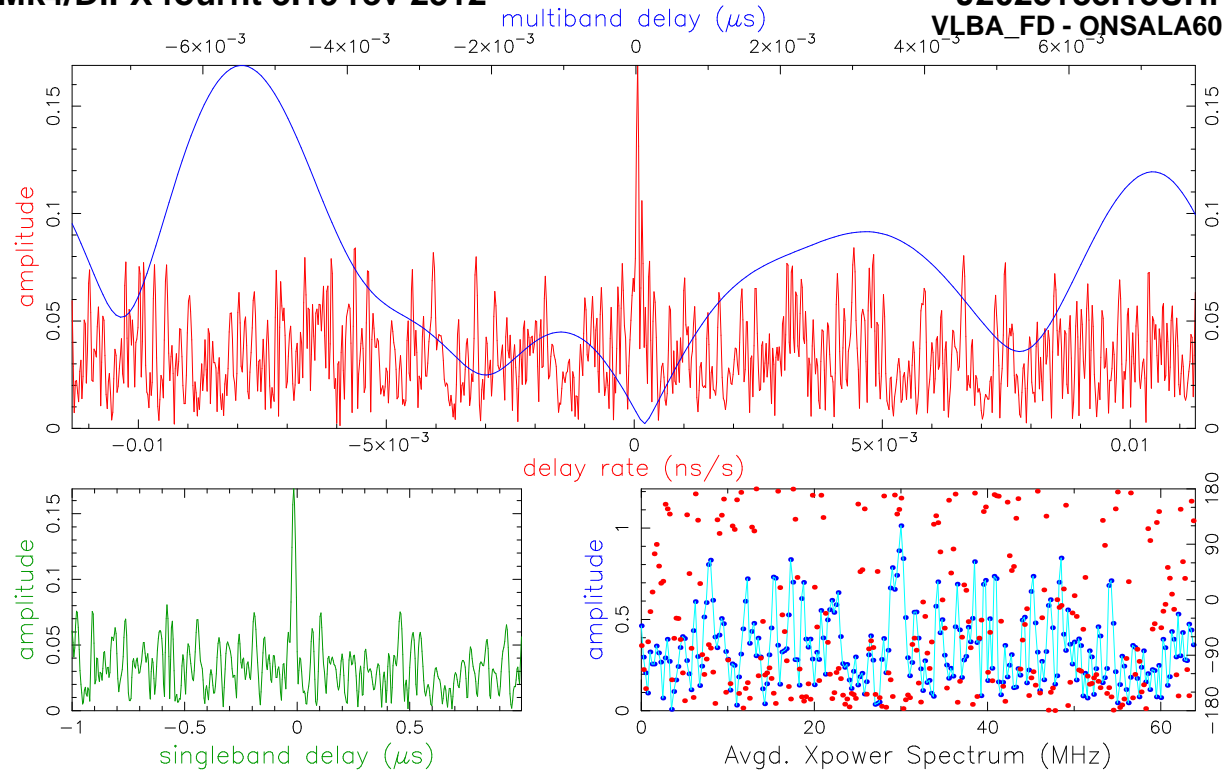
Exp. c201b
Exper # 16383
Yr:day 2020:117
Start 090000.00
Stop 090300.22
FRT 090130.00
Corr/FF/build
2020:198:173855
2020:199:143651
2020:014:135814
RA & Dec (J2000)
20h25m10.842106s
+33°43'00.214364"

Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



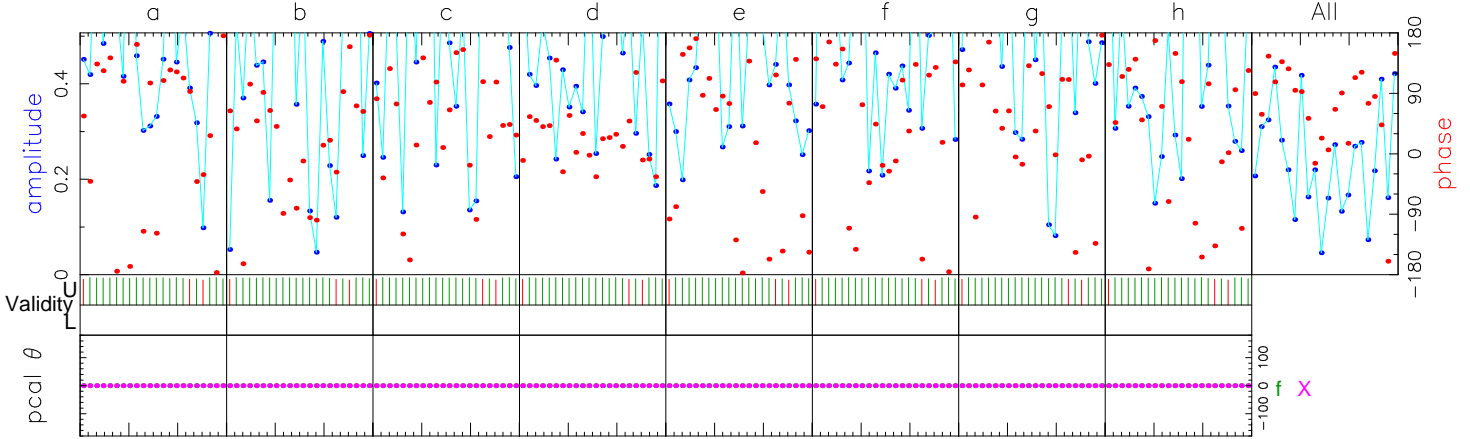
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
o	1000	1000	1000	1000	1000	1000	1000	1000		
f:o	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f:o	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
o	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		
o	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		
Group delay (usec)(sbd)	2.66803131485E+03		Apriori delay (usec)		2.66896138139E+03		Resid mbdelay (usec)		-8.19153E-03	+/- 1.9E-04
Sband delay (usec)	2.66802705289E+03		Apriori clock (usec)		-1.6189924E+01		Resid sbdelay (usec)		-9.34328E-01	+/- 1.5E-03
Phase delay (usec)	2.66896138116E+03		Apriori clockrate (us/s)		-9.2000002E-08		Resid phdelay (usec)		-2.25143E-07	+/- 6.5E-07
Delay rate (us/s)	-2.68320985812E-02		Apriori rate (us/s)		-2.68308702328E-02		Resid rate (us/s)		-1.22835E-06	+/- 6.2E-09
Total phase (deg)	134.3		Apriori accel (us/s/s)		-2.02606161374E-05		Resid phase (deg)		-7.0	+/- 20.1

ph/seg (deg) 61.3 47.2 Search (1024X32) 0.147 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 77.4 82.4 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 33.9 28.5 Inc. seg. avg. 0.170 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 39.1 49.7 Inc. frq. avg. 0.156 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite dr window (ns/s) -0.011 0.011
 f: az 69.5 el 39.4 pa -75.8 o: az 68.8 el 30.5 pa -63.2 u,v (fr/asec) 169.086 -1767.697 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c201b/v1/1234/No0058/fo..18UHRL Output file: /Exps/c201b/v1/1234/No0058/fo.W.87.18UHRL



Fringe quality 0
 SNR 6.1
 Int time 175.948
 Amp 0.169
 Phase 93.4
 PFD 1.1e-01
 Delays (us)
 SBD -0.015534
 MBD -0.005463
 Fringe rate (Hz)
 0.005311
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512
 Exp. c201b
 Exper # 16383
 Yr:day 2020:117
 Start 090000.00
 Stop 090300.22
 FRT 090130.00
 Corr/FF/build
 2020:198:173855
 2020:199:143644
 2020:014:135814
 RA & Dec (J2000)
 20h25m10.842106s
 +33°43'00.214364"

Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec

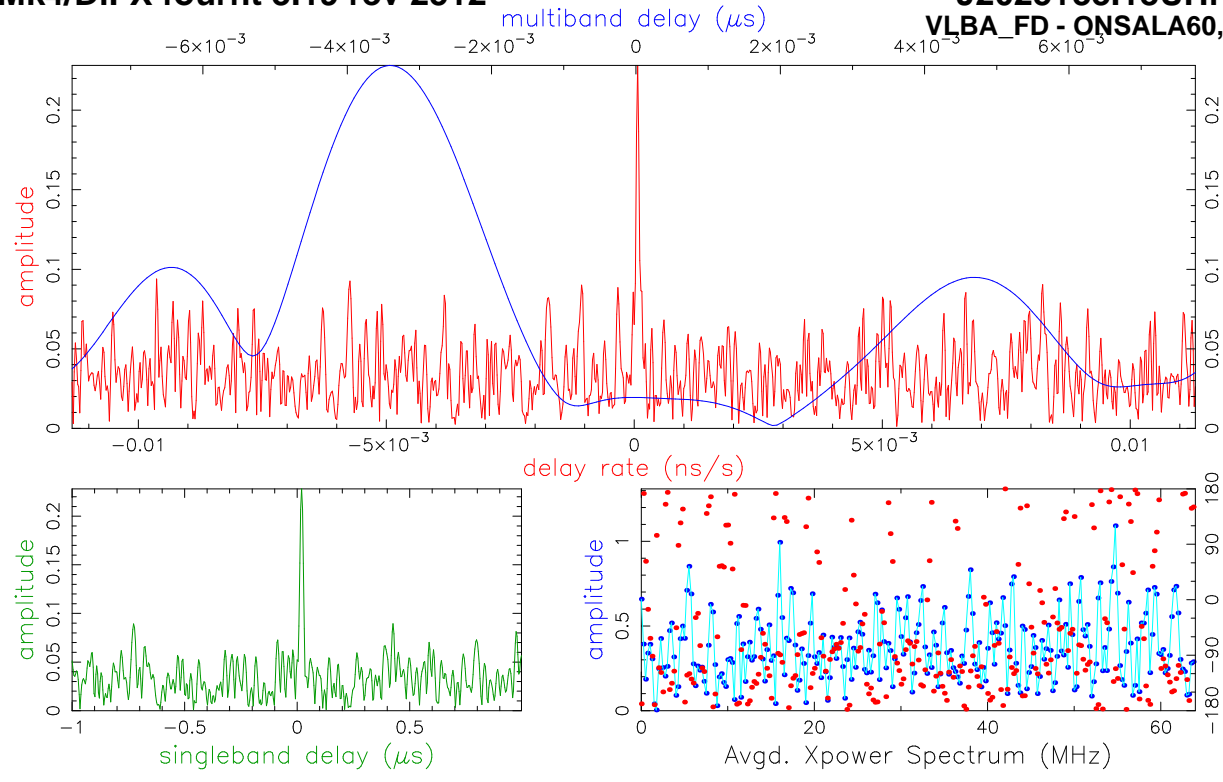


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
X	1000	1000	1000	1000	1000	1000	1000	1000		
f:X	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f:X	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
X	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		
X	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		

Group delay (usec)(sbd)	-1.79515175199E+03	Apriori delay (usec)	-1.79513066404E+03	Resid mbdelay (usec)	-5.46294E-03	+/-	1.8E-04
Sband delay (usec)	-1.79514619754E+03	Apriori clock (usec)	-3.6865864E+01	Resid sbdelay (usec)	-1.55335E-02	+/-	1.4E-03
Phase delay (usec)	-1.79513066103E+03	Apriori clockrate (us/s)	-4.1900001E-07	Resid phdelay (usec)	3.01131E-06	+/-	6.0E-07
Delay rate (us/s)	1.53919773876E+00	Apriori rate (us/s)	1.53919767710E+00	Resid rate (us/s)	6.16601E-08	+/-	5.8E-09
Total phase (deg)	-50.8	Apriori accel (us/s/s)	-1.15356804049E-05	Resid phase (deg)	93.4	+/-	18.7

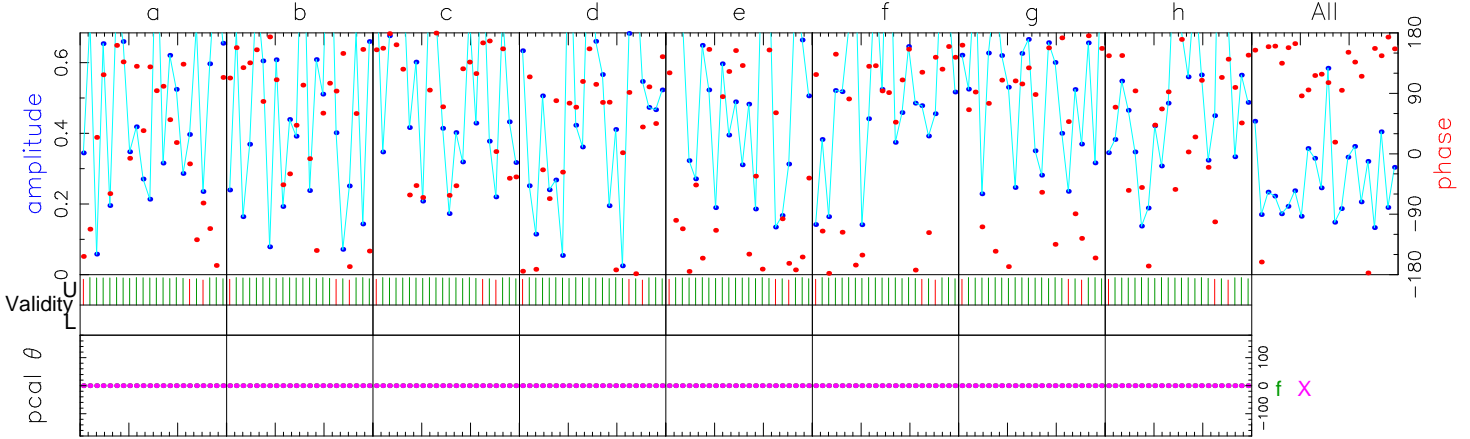
ph/seg (deg)	51.8	Theor.	43.8	Amplitude	0.169 +/- 0.028	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5	
amp/seg (%)	78.0		76.5	Search (1024X32)	0.167	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000	
ph/frq (deg)	44.6		26.4	Interp.	0.000	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.008 0.008
amp/frq (%)	58.6		46.2	Inc. seg. avg.	0.187	Sample rate (MSamp/s):	128	dr window (ns/s)	-0.011 0.011	
				Inc. frq. avg.	0.201	Data rate (Mb/s):	2048	ion window (TEC)	0.00 0.00	

f: az 69.5 el 39.4 pa -75.8 X: az 261.7 el 46.4 pa 39.8 u,v (fr/asec) -10617.020 -2999.402 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c201b/v1/1234/No0058/fX..18UHRL Output file: /Exps/c201b/v1/1234/No0058/fX.W.58.18UHRL



Fringe quality 9
 SNR 8.3
 Int time 175.947
 Amp 0.228
 Phase 137.5
 PFD 2.2e-08
 Delays (us)
 SBD 0.019538
 MBD -0.003405
 Fringe rate (Hz) 0.005301
 Ion TEC 0.000
 Ref freq (MHz) 86140.0000
 AP (sec) 0.512
 Exp. c201b
 Exper # 16383
 Yr:day 2020:117
 Start 090000.00
 Stop 090300.22
 FRT 090130.00
 Corr/FF/build
 2020:198:173855
 2020:199:143646
 2020:014:135814
 RA & Dec (J2000)
 20h25m10.842106s
 +33°43'00.214364"

Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
X	1000	1000	1000	1000	1000	1000	1000	1000		
f:X	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f:X	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
X	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		
X	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		

Group delay (usec)(sbd)	-1.79511844442E+03	Apriori delay (usec)	-1.79513066404E+03	Resid mbdelay (usec)	-3.40538E-03	+/-	1.3E-04
Sband delay (usec)	-1.7951112604E+03	Apriori clock (usec)	-3.6865864E+01	Resid sbdelay (usec)	1.95380E-02	+/-	1.0E-03
Phase delay (usec)	-1.79513065961E+03	Apriori clockrate (us/s)	-4.1900001E-07	Resid phdelay (usec)	4.43402E-06	+/-	4.5E-07
Delay rate (us/s)	1.53919773864E+00	Apriori rate (us/s)	1.53919767710E+00	Resid rate (us/s)	6.15411E-08	+/-	4.3E-09
Total phase (deg)	-6.7	Apriori accel (us/s/s)	-1.15356804049E-05	Resid phase (deg)	137.5	+/-	13.8

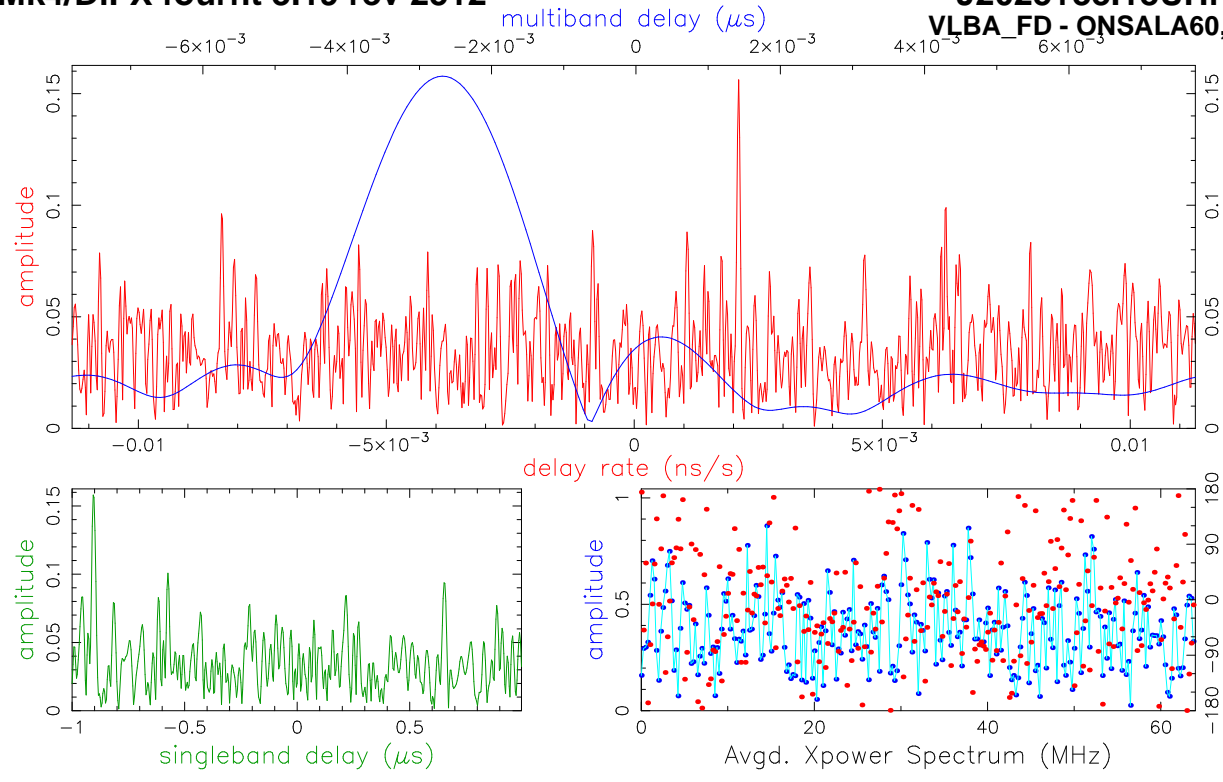
ph/seg (deg)	RMS 39.3	Theor. 32.5	Amplitude Search (1024X32)	0.228 +/- 0.028	0.226	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5
amp/seg (%)	51.3	56.7	Interp.	0.000	0.000E+00, 0.000E+00 (us/s)	SampCntNorm: enabled	sb window (us) -1.000 1.000
ph/frq (deg)	33.7	19.6	Inc. seg. avg.	0.233	Sample rate(MISamp/s): 128	nlags: 256	mb window (us) -0.008 0.008
amp/frq (%)	30.2	34.2	Inc. frq. avg.	0.245	Data rate(Mb/s): 2048	t_cohere infinite	dr window (ns/s) -0.011 0.011

f: az 69.5 el 39.4 pa -75.8 X: az 261.7 el 46.4 pa 39.8 u,v (fr/asec) -10617.020 -2999.402 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c201b/v1/1234/No0058/fX..18UHRL Output file: /Exps/c201b/v1/1234/No0058/fX.W.66.18UHRL

Mk4/DiFX fourfit 3.19 rev 2512

J2025+33.18UHRL, No0058, fX

VLBA_FD - ONSALA60, fgroup W, pol LR

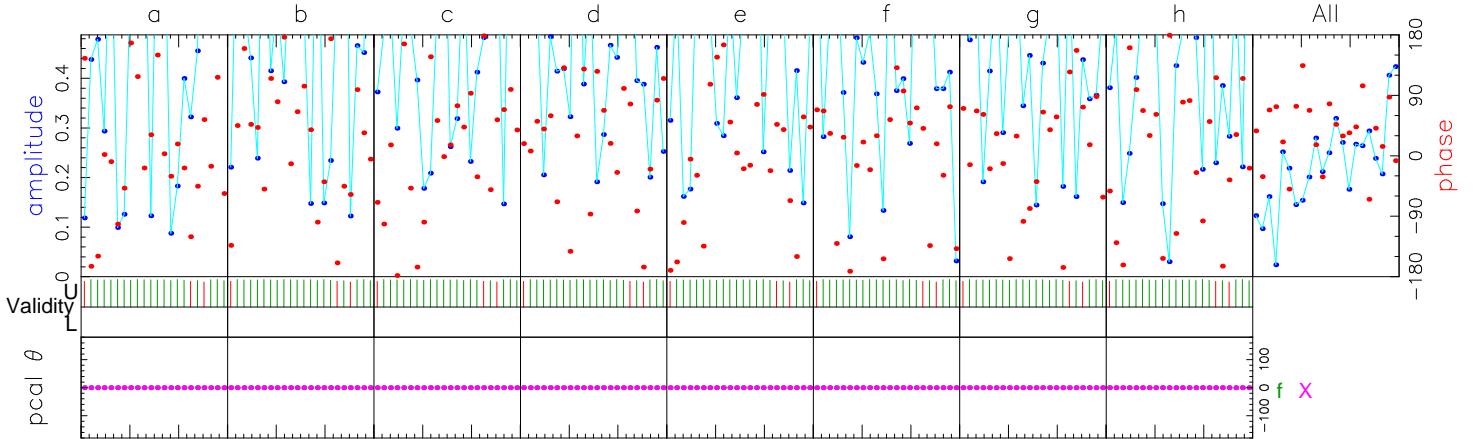


Fringe quality 0

SNR 5.8
 Int time 175.948
 Amp 0.163
 Phase 34.9
 PFD 5.3e-01
 Delays (us)
 SBD -0.904618
 MBD -0.002847
 Fringe rate (Hz)
 0.182420
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512

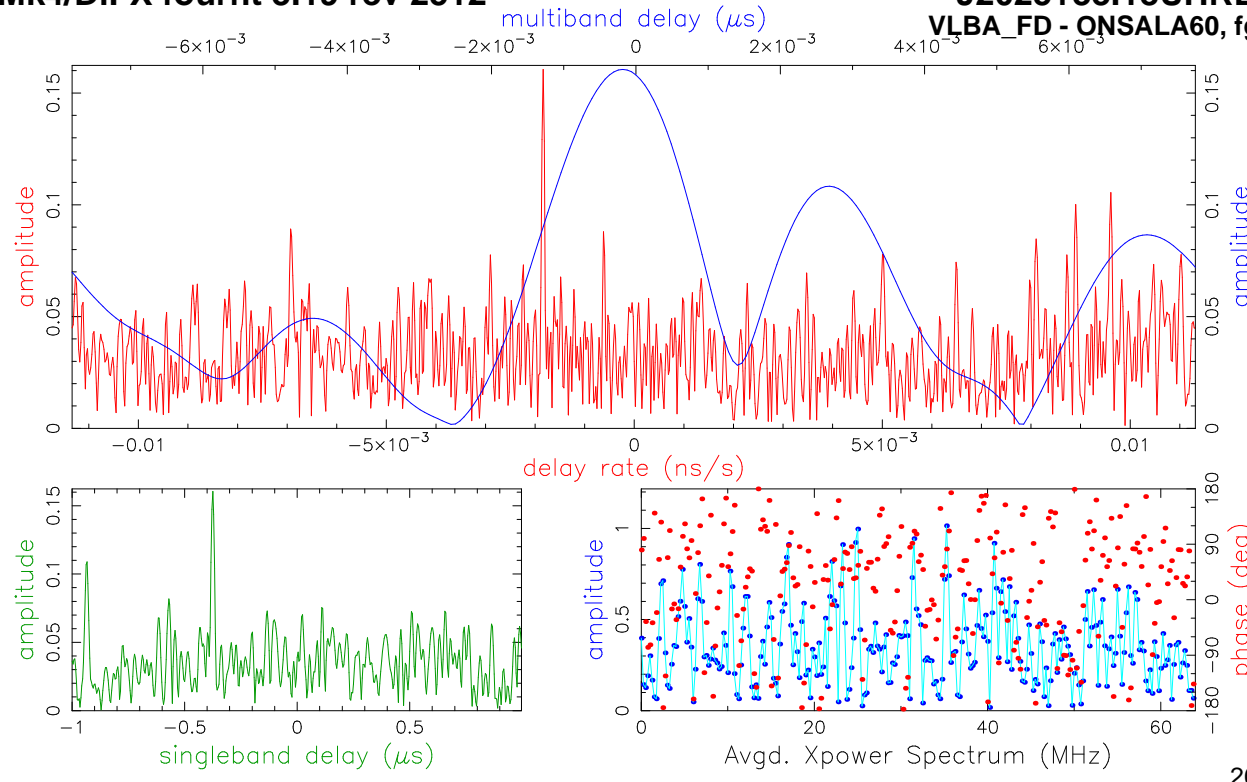
Exp. c201b
 Exper # 16383
 Yr:day 2020:117
 Start 090000.00
 Stop 090300.22
 FRT 090130.00
 Corr/FF/build
 2020:198:173855
 2020:199:143647
 2020:014:135814
 RA & Dec (J2000)
 20h25m10.842106s
 +33°43'00.214364"

Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
X	1000	1000	1000	1000	1000	1000	1000	1000		
f:X	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f:X	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
X	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		
X	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		
Group delay (usec)(sbd)		-1.79603976074E+03				-1.79513066404E+03			-2.84670E-03	+/- 1.9E-04
Sband delay (usec)		-1.79603528204E+03				-3.6865864E+01			-9.04618E-01	+/- 1.5E-03
Phase delay (usec)		-1.79513066292E+03				-4.1900001E-07			1.12407E-06	+/- 6.4E-07
Delay rate (us/s)		1.53919979482E+00				1.53919767710E+00			2.11772E-06	+/- 6.1E-09
Total phase (deg)			-109.3			-1.15356804049E-05			34.9	+/- 19.7
	RMS	Theor.	Amplitude	0.163 +/- 0.028						
ph/seg (deg)	49.2	46.2	Search (1024X32)	0.153						
amp/seg (%)	70.2	80.7	Interp.	0.000						
ph/frq (deg)	15.0	27.9	Inc. seg. avg.	0.173						
amp/frq (%)	26.2	48.6	Inc. frq. avg.	0.144						
f: az 69.5 el 39.4 pa -75.8			X: az 261.7 el 46.4 pa 39.8							
			u,v (fr/asec) -10617.020 -2999.402							
										simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c201b/v1/1234/No0058/fX..18UHRL Output file: /Exps/c201b/v1/1234/No0058/fX.W.75.18UHRL

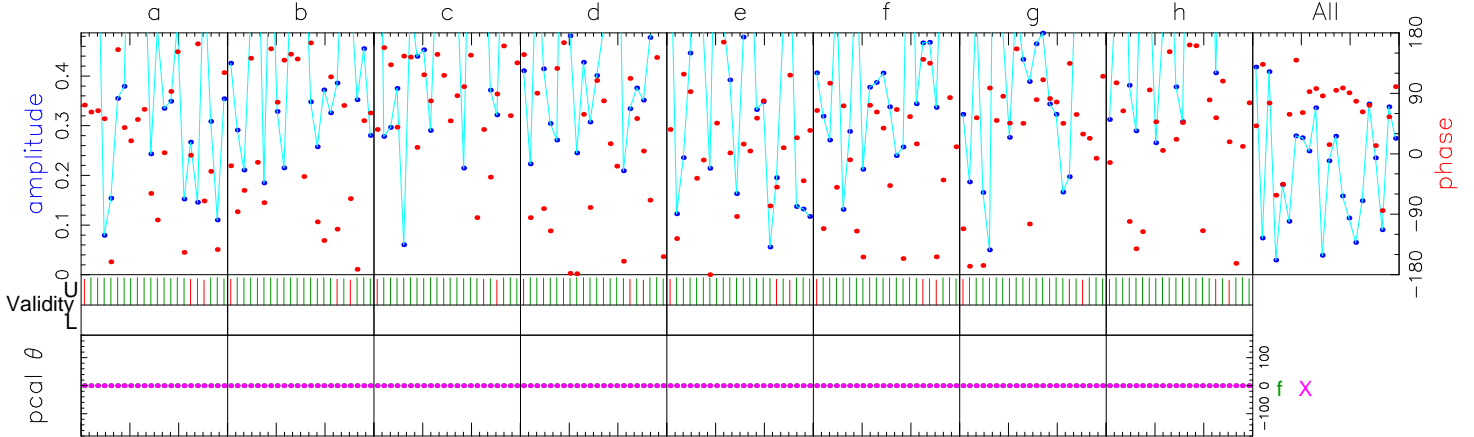


Fringe quality 0

SNR 5.8
 Int time 175.947
 Amp 0.162
 Phase 70.9
 PFD 5.1e-01
 Delays (us)
 SBD -0.375272
 MBD -0.000197
 Fringe rate (Hz)
 -0.157753
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512

Exp. c201b
 Exper # 16383
 Yr:day 2020:117
 Start 090000.00
 Stop 090300.22
 FRT 090130.00
 Corr/FF/build
 2020:198:173855
 2020:199:143651
 2020:014:135814
 RA & Dec (J2000)
 20h25m10.842106s
 +33°43'00.214364"

Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



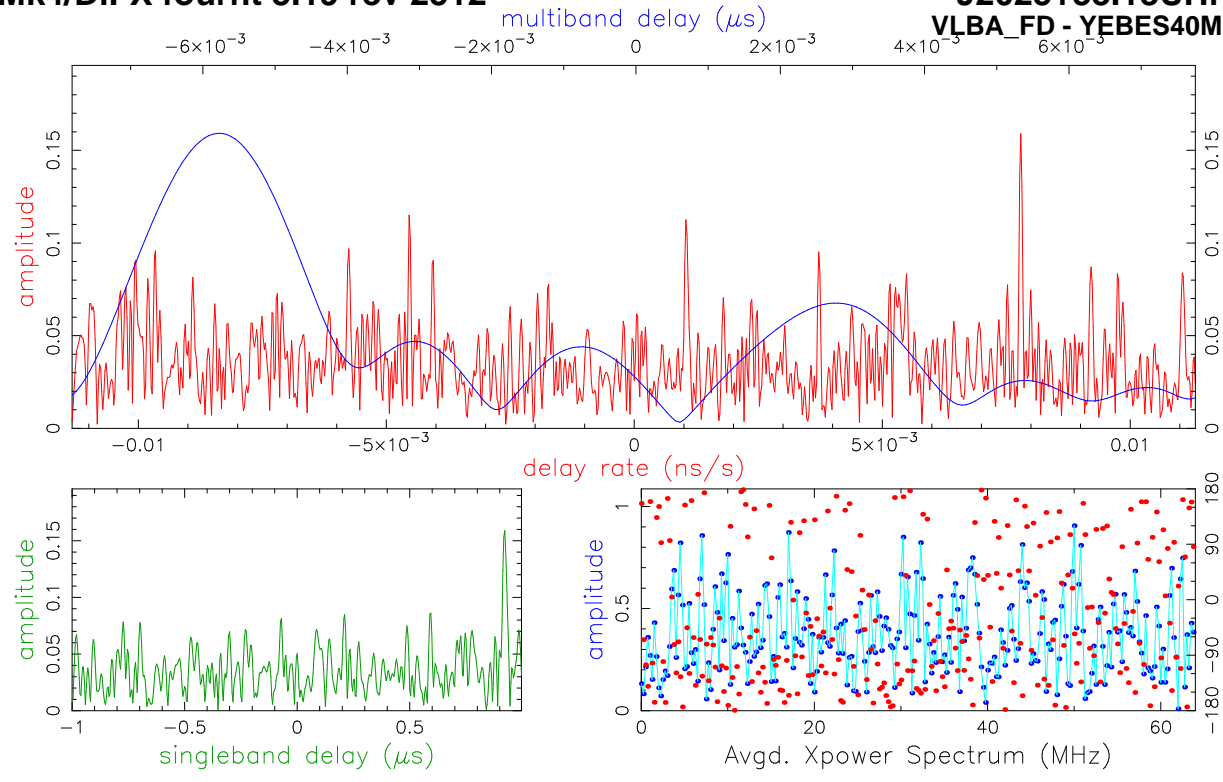
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
X	1000	1000	1000	1000	1000	1000	1000	1000		
f:X	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f:X	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
X	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		
X	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		

Group delay (usec)(sbd)	-1.79550586135E+03	Apriori delay (usec)	-1.79513066404E+03	Resid mbdelay (usec)	-1.97308E-04	+/-	1.9E-04
Sband delay (usec)	-1.79550593629E+03	Apriori clock (usec)	-3.6865864E+01	Resid sbdelay (usec)	-3.75272E-01	+/-	1.5E-03
Phase delay (usec)	-1.79513066175E+03	Apriori clockrate (us/s)	-4.1900001E-07	Resid phdelay (usec)	2.28692E-06	+/-	6.3E-07
Delay rate (us/s)	1.53919584574E+00	Apriori rate (us/s)	1.53919767710E+00	Resid rate (us/s)	-1.83136E-06	+/-	6.1E-09
Total phase (deg)		Apriori accel (us/s/s)	-1.15356804049E-05	Resid phase (deg)	70.9	+/-	19.7

ph/seg (deg)	RMS 58.9	Theor. 46.1	Amplitude Search (1024X32)	0.162 +/- 0.028	0.157	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-1.000	1.000
amp/seg (%)	79.0	80.5	Interp.	0.000	0.000	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	SampCntNorm: enabled	mb window (us)	-0.008	0.008
ph/frq (deg)	42.8	27.8	Inc. seg. avg.	0.162	0.162	Bits/sample: 2x2	Sample rate(MISamp/s): 128	dr window (ns/s)	-0.011	0.011
amp/frq (%)	56.0	48.5	Inc. frq. avg.	0.166	0.166	Data rate(Mb/s): 2048	nlags: 256	ion window (TEC)	0.00	0.00

f: az 69.5 el 39.4 pa -75.8 X: az 261.7 el 46.4 pa 39.8 u,v (fr/asec) -10617.020 -2999.402 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c201b/v1/1234/No0058/fX..18UHRL Output file: /Exps/c201b/v1/1234/No0058/fX.W.86.18UHRL

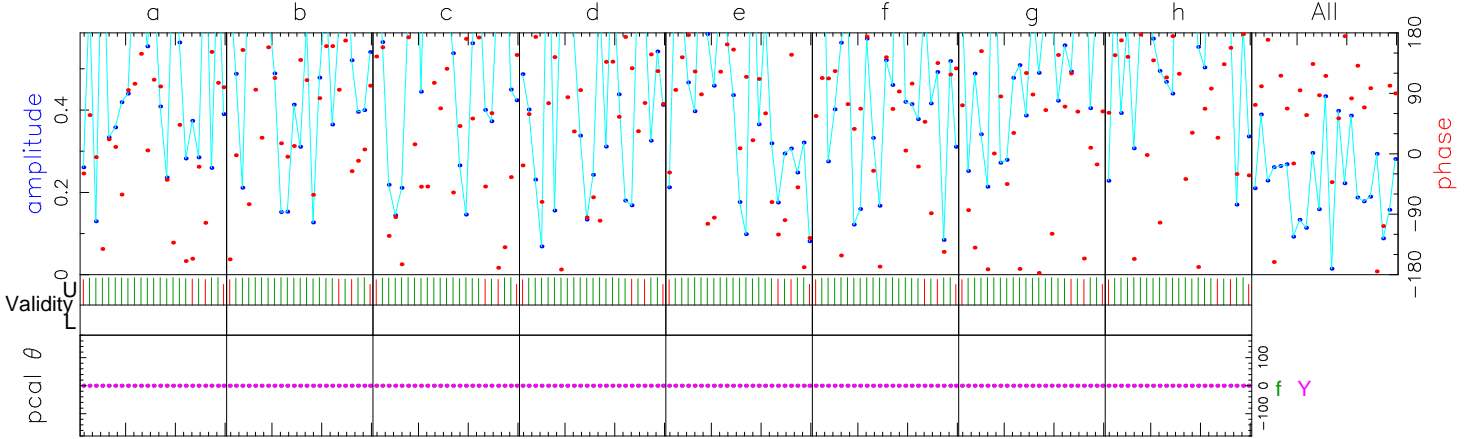


Fringe quality 0

SNR 5.7
 Int time 170.674
 Amp 0.196
 Phase 107.7
 PFD 7.6e-01
 Delays (us)
 SBD 0.920888
 MBD -0.005821
 Fringe rate (Hz)
 0.672784
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512

Exp. c201b
 Exper # 16383
 Yr:day 2020:117
 Start 090005.12
 Stop 090300.22
 FRT 090130.00
 Corr/FF/build
 2020:198:173855
 2020:199:143644
 2020:014:135814
 RA & Dec (J2000)
 20h25m10.842106s
 +33°43'00.214364"

Amp. and Phase vs. time for each freq., 23 segs, 15 APs / seg (7.68 sec / seg.), time ticks 10 sec



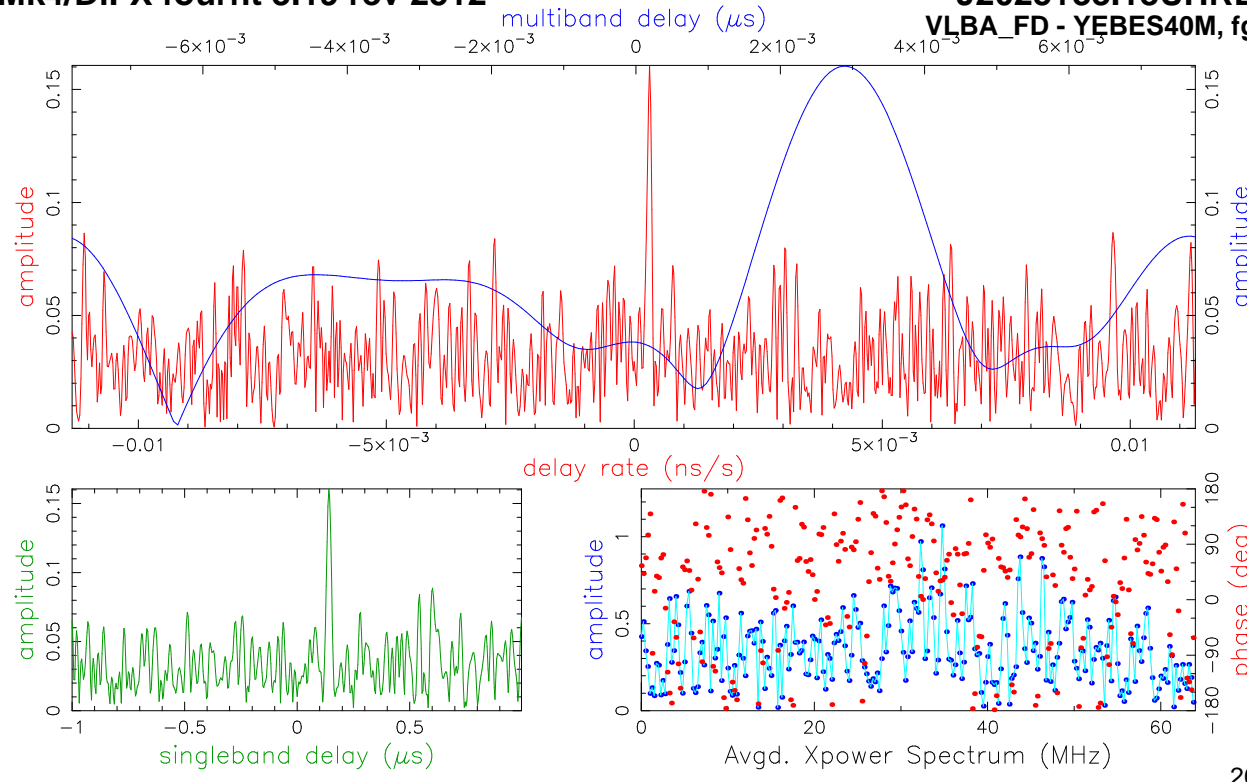
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	342/0	342/0	342/0	342/0	342/0	342/0	342/0	342/0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
Y	1000	1000	1000	1000	1000	1000	1000	1000		
f:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
Y	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		
Y	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		

Group delay (usec)(sbd)	-4.31780426036E+03	Apriori delay (usec)	-4.31872031474E+03	Resid mbdelay (usec)	-5.82062E-03	+/-	1.9E-04
Sband delay (usec)	-4.31779942624E+03	Apriori clock (usec)	-8.0725937E+00	Resid sbdelay (usec)	9.20888E-01	+/-	1.5E-03
Phase delay (usec)	-4.31872031127E+03	Apriori clockrate (us/s)	-1.1100000E-07	Resid phdelay (usec)	3.47148E-06	+/-	6.5E-07
Delay rate (us/s)	1.60342970124E+00	Apriori rate (us/s)	1.60342189088E+00	Resid rate (us/s)	7.81036E-06	+/-	6.4E-09
Total phase (deg)	-220.6	Apriori accel (us/s/s)	1.41341847952E-05	Resid phase (deg)	107.7	+/-	20.1

ph/seg (deg)	64.5	RMS	48.1	Theor.	48.1	Amplitude	0.196 +/- 0.034	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5
amp/seg (%)	78.9	Search (1024X32)	0.156	Interp.	0.000	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	Bits/sample:	2x2	SampCntNorm:	enabled
ph/frq (deg)	22.2	Inc. seg. avg.	0.206	Inc. frq. avg.	0.182	Sample rate (MSamp/s):	128	mb window (us)	-1.000	1.000	
amp/frq (%)	41.2	Inc. frq. avg.	0.182	Data rate (Mb/s):	2048	nlags:	256	dr window (ns/s)	-0.011	0.011	

f: az 69.5 el 39.4 pa -75.8 Y: az 271.1 el 57.5 pa 66.0 u,v (fr/asec) -11038.527 -228.216 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c201b/v1/1234/No0058/fY..18UHRL Output file: /Exps/c201b/v1/1234/No0058/fY.W.60.18UHRL

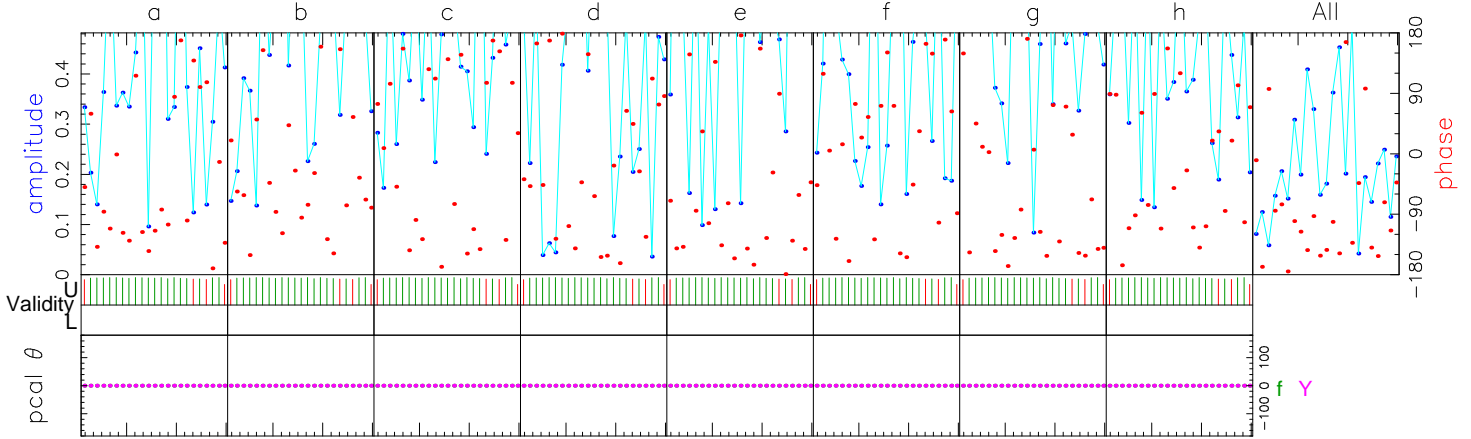


Fringe quality 0

SNR 5.7
 Int time 170.674
 Amp 0.161
 Phase -123.8
 PFD 7.0e-01
 Delays (us)
 SBD 0.141375
 MBD 0.002922
 Fringe rate (Hz)
 0.027069
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512

Exp. c201b
 Exper # 16383
 Yr:day 2020:117
 Start 090005.12
 Stop 090300.22
 FRT 090130.00
 Corr/FF/build
 2020:198:173855
 2020:199:143646
 2020:014:135814
 RA & Dec (J2000)
 20h25m10.842106s
 +33°43'00.214364"

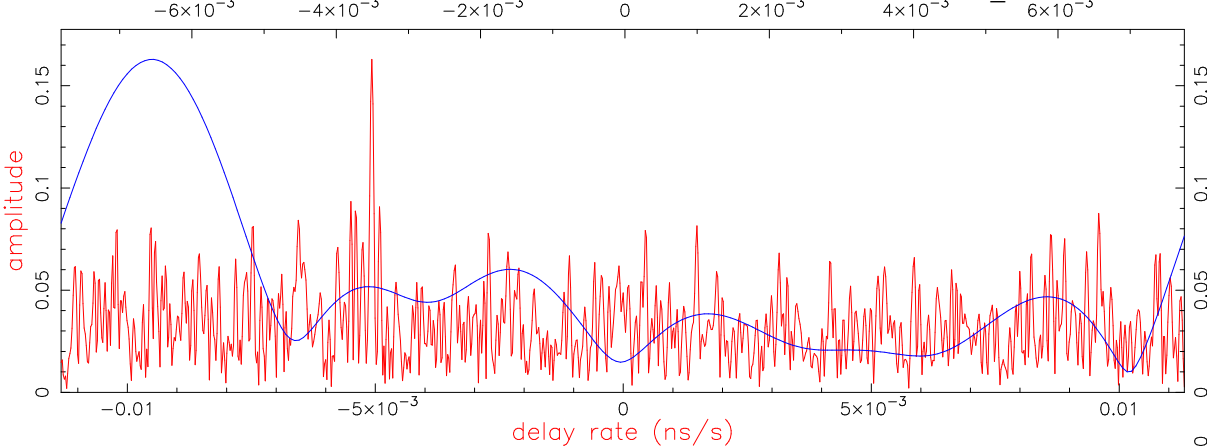
Amp. and Phase vs. time for each freq., 23 segs, 15 APs / seg (7.68 sec / seg.), time ticks 10 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-117.6	-85.5	171.5	-124.4	-123.0	-119.0	-128.8	-107.9	Phase	-123.8
	0.2	0.2	0.2	0.1	0.4	0.0	0.2	0.1	Ampl.	0.2
	329.5	295.0	412.3	138.8	293.7	396.9	40.9	266.8	Sbd box	293.2
U/L	342/0	342/0	342/0	342/0	342/0	342/0	342/0	342/0	APs used	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
Y	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
f:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
f:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
Y	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	
									Tracks	
Group delay (usec)(sbd)	-4.3185767695E+03		Apriori delay (usec)		-4.31872031474E+03		Resid mbdelay (usec)		2.92180E-03	+/- 1.9E-04
Sband delay (usec)	-4.31857893924E+03		Apriori clock (usec)		-8.0725937E+00		Resid sbdelay (usec)		1.41375E-01	+/- 1.5E-03
Phase delay (usec)	-4.31872031874E+03		Apriori clockrate (us/s)		-1.1100000E-07		Resid phdelay (usec)		-3.99293E-06	+/- 6.4E-07
Delay rate (us/s)	1.60342220513E+00		Apriori rate (us/s)		1.60342189088E+00		Resid rate (us/s)		3.14250E-07	+/- 6.4E-09
Total phase (deg)			Apriori accel (us/s/s)		1.41341847952E-05		Resid phase (deg)		-123.8	+/- 20.0

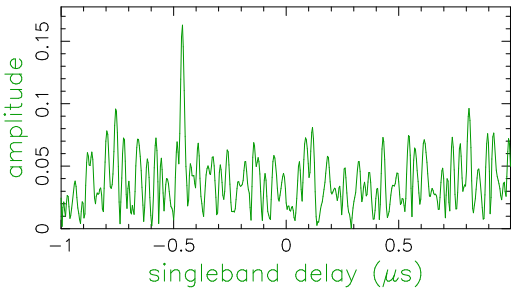
ph/seg (deg) 60.7 47.9 Search (1024X32) 0.159 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 83.7 83.6 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 31.6 28.2 Inc. seg. avg. 0.164 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 59.1 49.3 Inc. frq. avg. 0.163 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite dr window (ns/s) -0.011 0.011
 f: az 69.5 el 39.4 pa -75.8 Y: az 271.1 el 57.5 pa 66.0 u,v (fr/asec) -11038.527 -228.216 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c201b/v1/1234/No0058/fY..18UHRL Output file: /Exps/c201b/v1/1234/No0058/fY.W.68.18UHRL

multiband delay (μs)

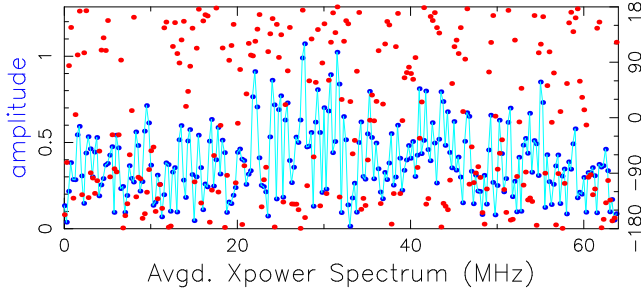


Fringe quality 0

SNR 5.8
 Int time 170.674
 Amp 0.178
 Phase -25.0
 PFD 5.0e-01
 Delays (us)
 SBD -0.461575
 MBD -0.006554
 Fringe rate (Hz)
 -0.437580
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512

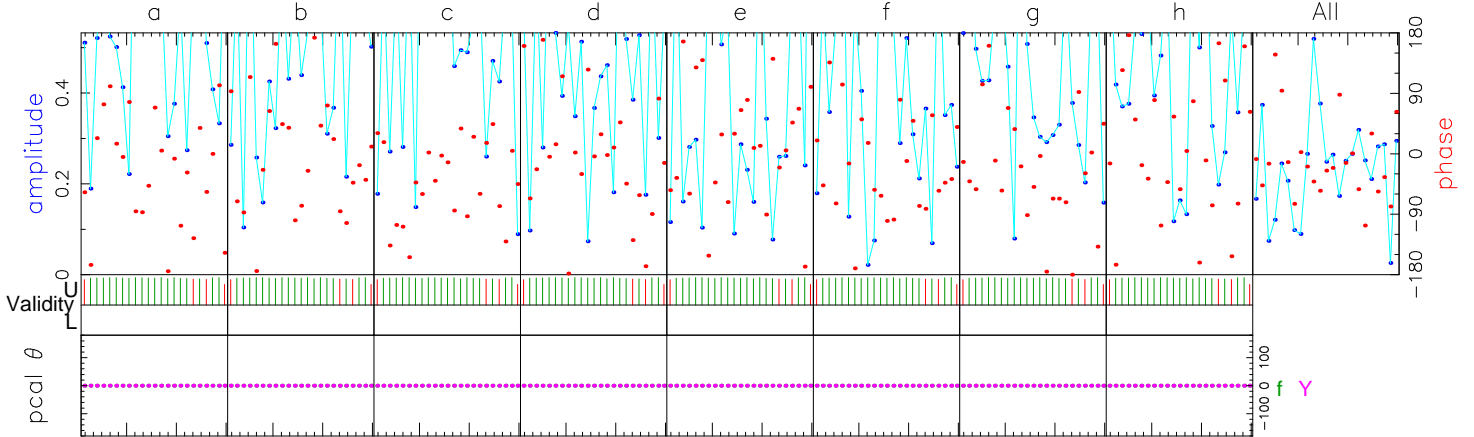


delay rate (ns/s)



Exp. c201b
 Exper # 16383
 Yr:day 2020:117
 Start 090005.12
 Stop 090300.22
 FRT 090130.00
 Corr/FF/build
 2020:198:173855
 2020:199:143650
 2020:014:135814
 RA & Dec (J2000)
 20h25m10.842106s
 +33°43'00.214364"

Amp. and Phase vs. time for each freq., 23 segs, 15 APs / seg (7.68 sec / seg.), time ticks 10 sec



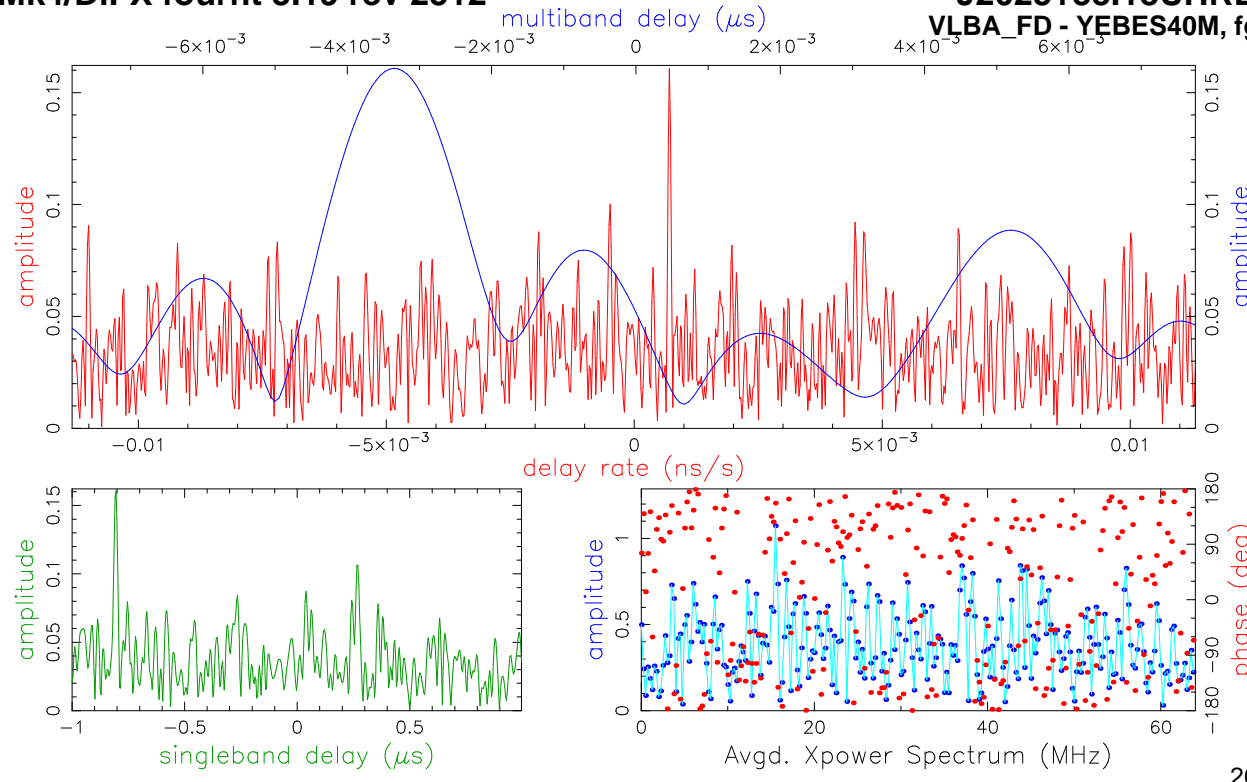
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-27.1	-14.1	-40.0	-10.8	16.2	-46.9	-39.9	9.8	Phase	-25.0
	0.2	0.2	0.3	0.2	0.1	0.2	0.2	0.1	Ampl.	0.2
	93.0	450.1	139.7	88.8	497.5	399.5	418.1	177.3	Sbd box	138.8
U/L	342/0	342/0	342/0	342/0	342/0	342/0	342/0	342/0	APs used	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
Y	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
f:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
f:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
Y	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	

Group delay (usec)(sbd)	-4.31917999346E+03	Apriori delay (usec)	-4.31872031474E+03	Resid mbdelay (usec)	-6.55372E-03	+/-	1.9E-04
Sband delay (usec)	-4.31918188949E+03	Apriori clock (usec)	-8.0725937E+00	Resid sbdelay (usec)	-4.61575E-01	+/-	1.5E-03
Phase delay (usec)	-4.31872031555E+03	Apriori clockrate (us/s)	-1.1100000E-07	Resid phdelay (usec)	-8.07792E-07	+/-	6.3E-07
Delay rate (us/s)	1.60341681101E+00	Apriori rate (us/s)	1.60342189088E+00	Resid rate (us/s)	-5.07987E-06	+/-	6.3E-09
Total phase (deg)	-353.3	Apriori accel (us/s/s)	1.41341847952E-05	Resid phase (deg)	-25.0	+/-	19.6

ph/seg (deg)	60.4	Theor.	47.1	Amplitude	0.178 +/- 0.030	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5		
amp/seg (%)	80.2		82.2	Search (1024X32)	0.156	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000		
ph/frq (deg)	26.3		27.8	Inc. seg. avg.	0.191	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.008 0.008	
amp/frq (%)	39.4		48.5	Inc. frq. avg.	0.168	Sample rate (MSamp/s):	128	nlags: 256	t_cohere infinite	dr window (ns/s)	-0.011 0.011
						Data rate (Mb/s):	2048	ion window (TEC)	0.00 0.00		

f: az 69.5 el 39.4 pa -75.8 Y: az 271.1 el 57.5 pa 66.0 u,v (fr/asec) -11038.527 -228.216 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c201b/v1/1234/No0058/fY..18UHRL Output file: /Exps/c201b/v1/1234/No0058/fY.W.85.18UHRL

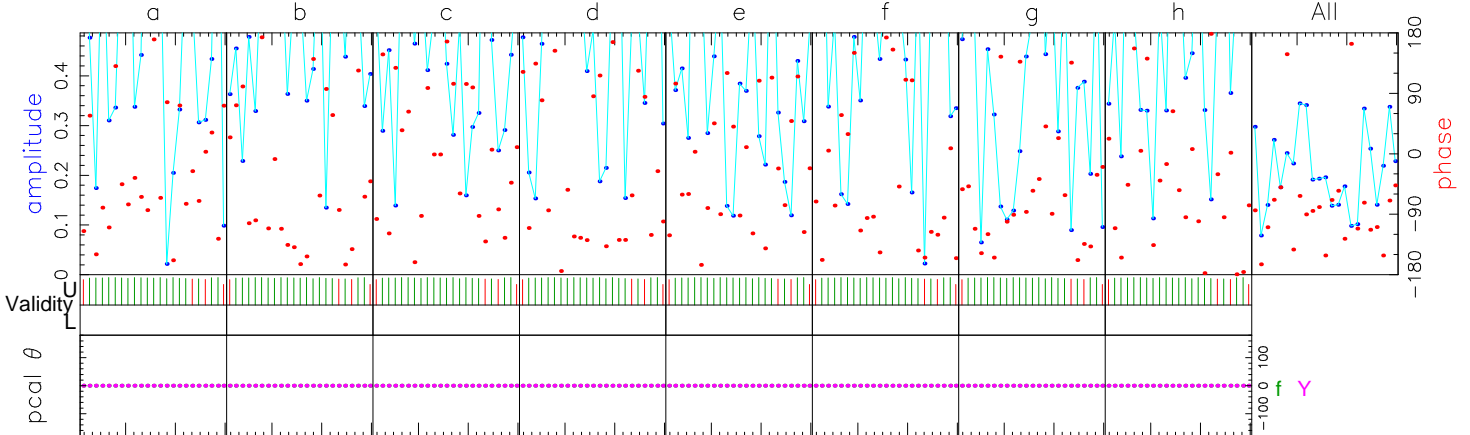


Fringe quality 0

SNR 5.8
 Int time 170.674
 Amp 0.162
 Phase -95.4
 PFD 6.0e-01
 Delays (us)
 SBD -0.805892
 MBD -0.003394
 Fringe rate (Hz)
 0.060377
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512

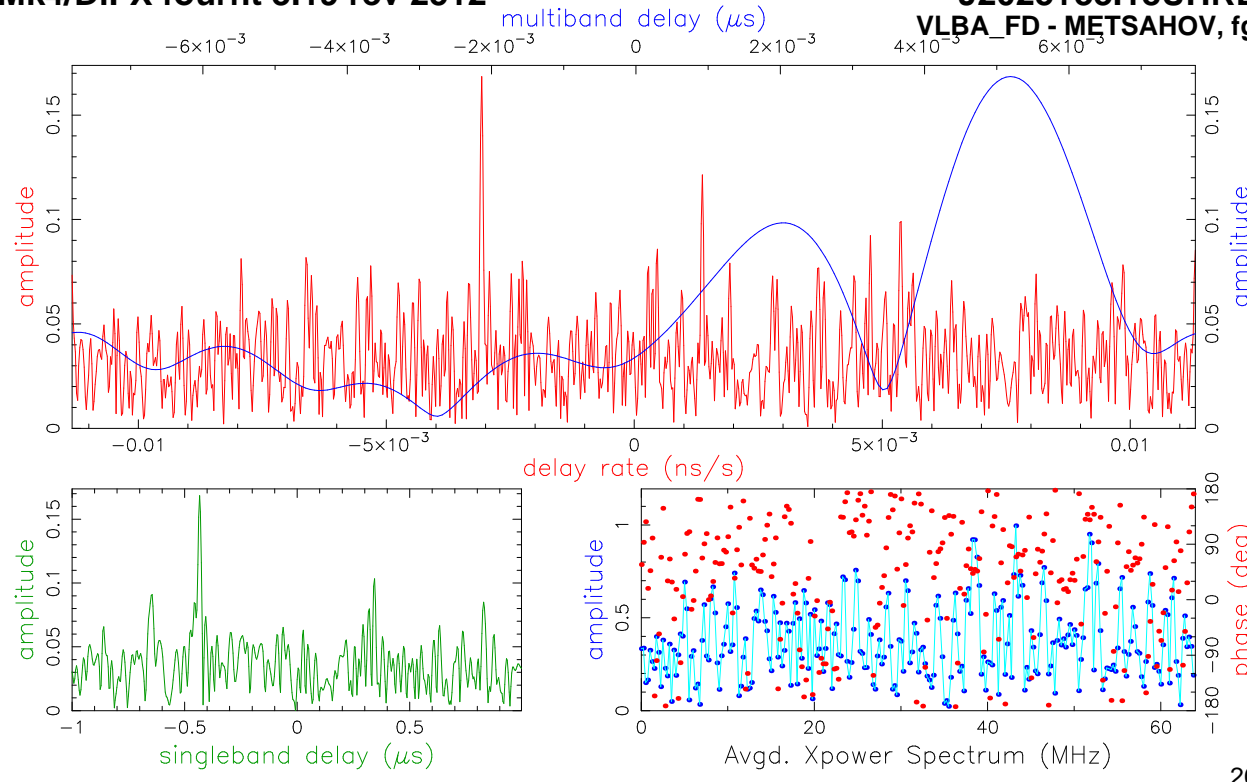
Exp. c201b
 Exper # 16383
 Yr:day 2020:117
 Start 090005.12
 Stop 090300.22
 FRT 090130.00
 Corr/FF/build
 2020:198:173855
 2020:199:143654
 2020:014:135814
 RA & Dec (J2000)
 20h25m10.842106s
 +33°43'00.214364"

Amp. and Phase vs. time for each freq., 23 segs, 15 APs / seg (7.68 sec / seg.), time ticks 10 sec



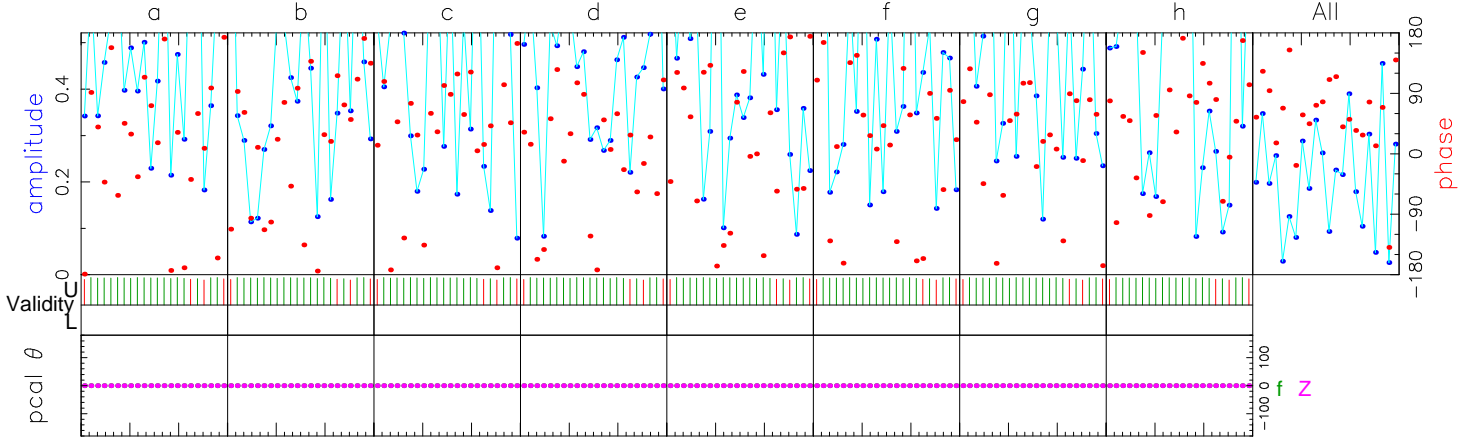
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-77.2	-127.4	-52.8	-132.9	-64.2	-121.0	-74.0	-77.3	Phase	-95.4
	0.3	0.2	0.1	0.2	0.1	0.3	0.2	0.2	Ampl.	0.2
	49.7	507.4	451.0	20.4	116.8	49.4	242.2	363.5	Sbd box	50.7
U/L	342/0	342/0	342/0	342/0	342/0	342/0	342/0	342/0	APs used	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
Y	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
f:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
f:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
Y	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	
									Tracks	
Group delay (usec)(sbd)	-4.31952058381E+03		Apriori delay (usec)		-4.31872031474E+03		Resid mbdelay (usec)		-3.39407E-03	+/- 1.9E-04
Sband delay (usec)	-4.31952620699E+03		Apriori clock (usec)		-8.0725937E+00		Resid sbdelay (usec)		-8.05892E-01	+/- 1.5E-03
Phase delay (usec)	-4.31872031782E+03		Apriori clockrate (us/s)		-1.1100000E-07		Resid phdelay (usec)		-3.07496E-06	+/- 6.4E-07
Delay rate (us/s)	1.60342259179E+00		Apriori rate (us/s)		1.60342189088E+00		Resid rate (us/s)		7.00914E-07	+/- 6.3E-09
Total phase (deg)			Apriori accel (us/s/s)		1.41341847952E-05		Resid phase (deg)		-95.4	+/- 19.8

ph/seg (deg) 46.4 47.5 Search (1024X32) 0.157 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 58.1 82.9 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 34.1 28.0 Inc. seg. avg. 0.158 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 45.8 48.9 Inc. frq. avg. 0.161 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite dr window (ns/s) -0.011 0.011
 f: az 69.5 el 39.4 pa -75.8 Y: az 271.1 el 57.5 pa 66.0 u,v (fr/asec) -11038.527 -228.216 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c201b/v1/1234/No0058/fY..18UHRL Output file: /Exps/c201b/v1/1234/No0058/fY.W.97.18UHRL



Fringe quality 0
 SNR 6.1
 Int time 175.637
 Amp 0.174
 Phase 72.0
 PFD 1.2e-01
 Delays (us)
 SBD -0.433264
 MBD 0.005203
 Fringe rate (Hz)
 -0.265156
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512
 Exp. c201b
 Exper # 16383
 Yr:day 2020:117
 Start 090000.00
 Stop 090300.22
 FRT 090130.00
 Corr/FF/build
 2020:198:173855
 2020:199:143655
 2020:014:135814
 RA & Dec (J2000)
 20h25m10.842106s
 +33°43'00.214364"

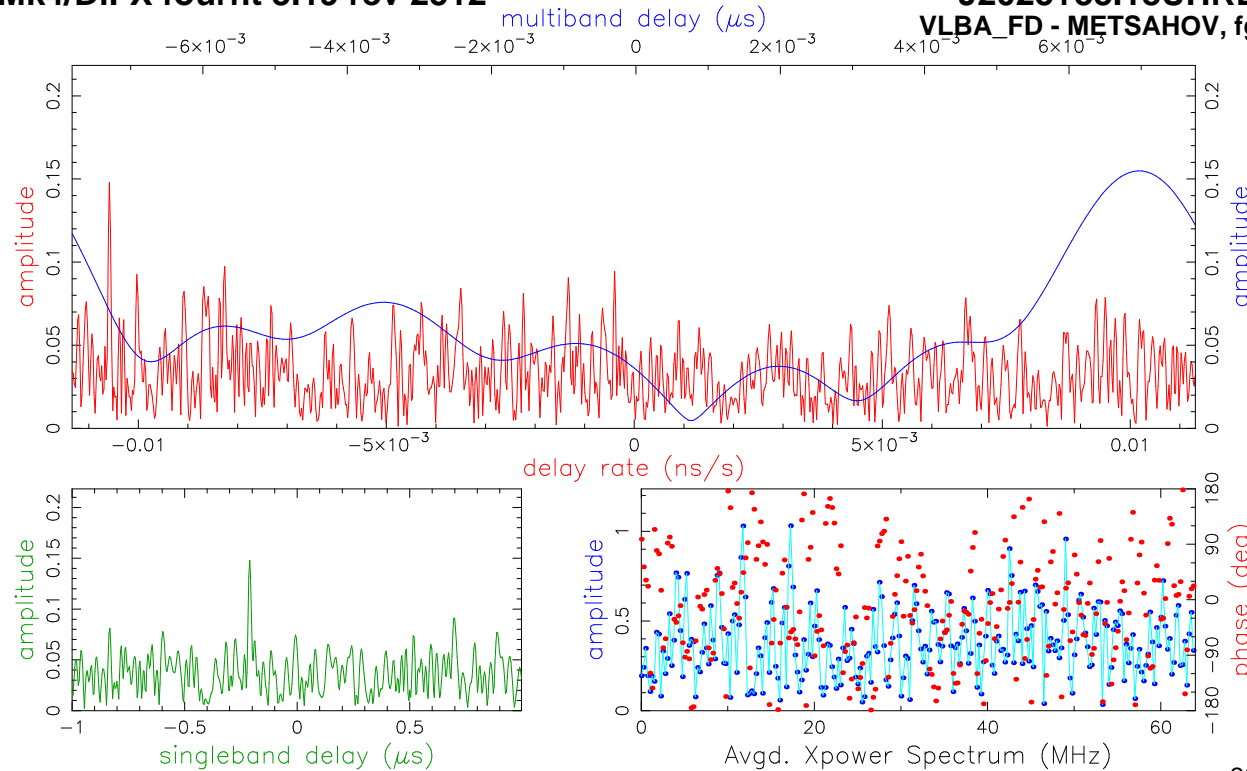
Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
Z	1000	1000	1000	1000	1000	1000	1000	1000		
f:Z	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f:Z	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
Z	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		
Z	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		

Group delay (usec)(sbd)	5.05262602630E+01	Apriori delay (usec)	5.09585574768E+01	Resid mbdelay (usec)	5.20279E-03	+/-	1.8E-04
Sband delay (usec)	5.05252939768E+01	Apriori clock (usec)	4.0180655E+00	Resid sbdelay (usec)	-4.33264E-01	+/-	1.4E-03
Phase delay (usec)	5.09585597999E+01	Apriori clockrate (us/s)	9.3000003E-08	Resid phdelay (usec)	2.32304E-06	+/-	6.0E-07
Delay rate (us/s)	1.56008138671E+00	Apriori rate (us/s)	1.56008446491E+00	Resid rate (us/s)	-3.07820E-06	+/-	5.8E-09
Total phase (deg)	122.8	Apriori accel (us/s/s)	-2.27403761770E-05	Resid phase (deg)	72.0	+/-	18.8

ph/seg (deg) 52.7 44.0 Search (1024X32) 0.167 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 73.3 76.8 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 28.8 26.5 Inc. seg. avg. 0.168 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 47.4 46.3 Inc. frq. avg. 0.169 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite dr window (ns/s) -0.011 0.011
 f: az 69.5 el 39.4 pa -75.8 Z: az 270.2 el 39.7 pa 36.7 u,v (fr/asec) -10769.255 -3775.693 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c201b/v1/1234/No0058/fZ..18UHRL Output file: /Exps/c201b/v1/1234/No0058/fZ.W.100.18UHRL

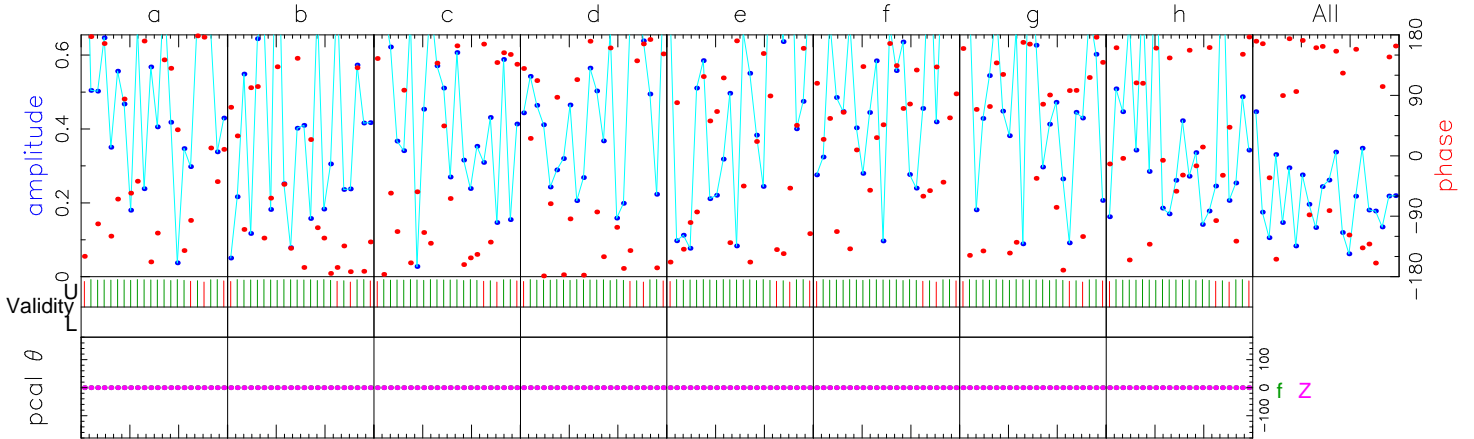


Fringe quality 0

SNR 5.4
 Int time 175.638
 Amp 0.218
 Phase 179.5
 PFD 1.0e+00
 Delays (us)
 SBD -0.210950
 MBD -0.008301
 Fringe rate (Hz)
 -0.913204
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512

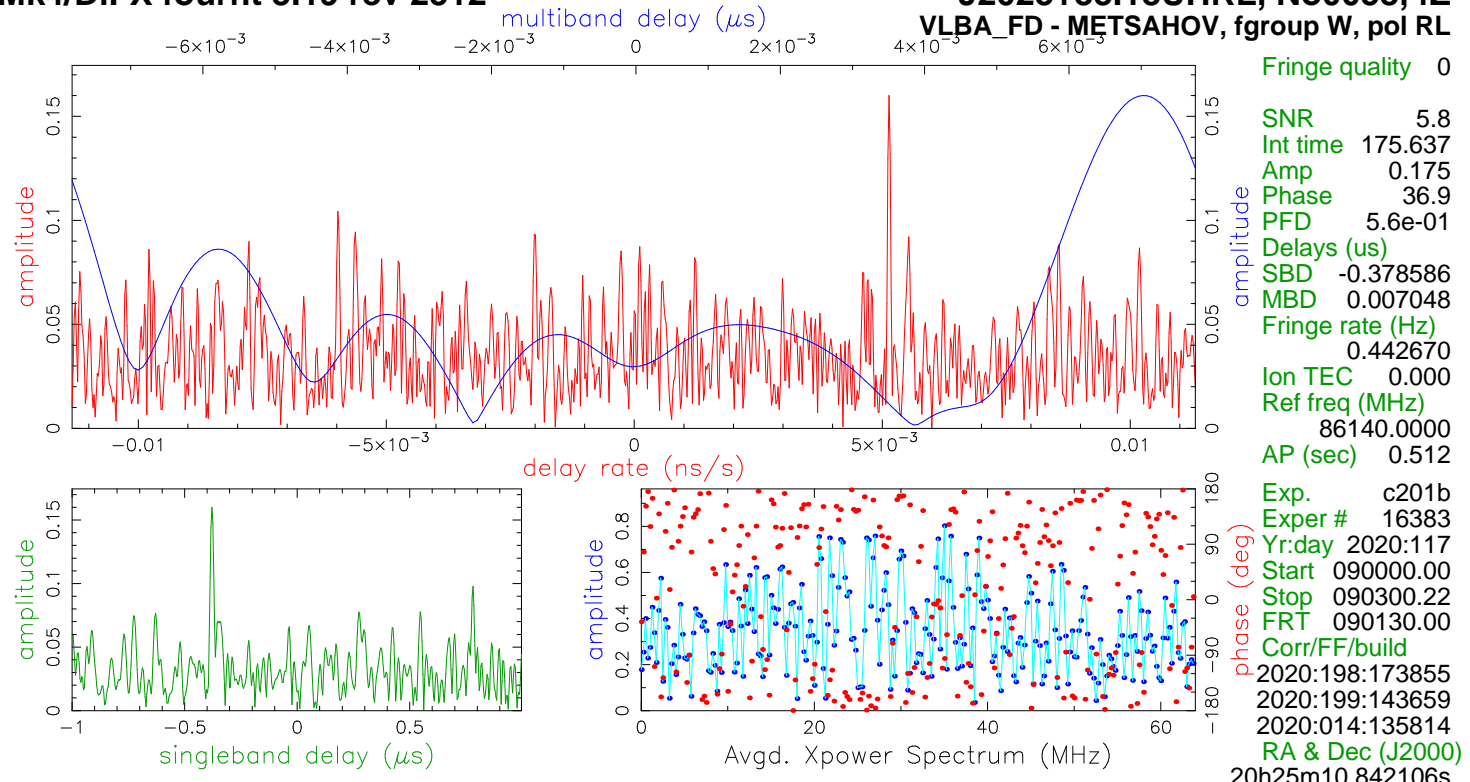
Exp. c201b
 Exper # 16383
 Yr:day 2020:117
 Start 090000.00
 Stop 090300.22
 FRT 090130.00
 Corr/FF/build
 2020:198:173855
 2020:199:143656
 2020:014:135814
 RA & Dec (J2000)
 20h25m10.842106s
 +33°43'00.214364"

Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec

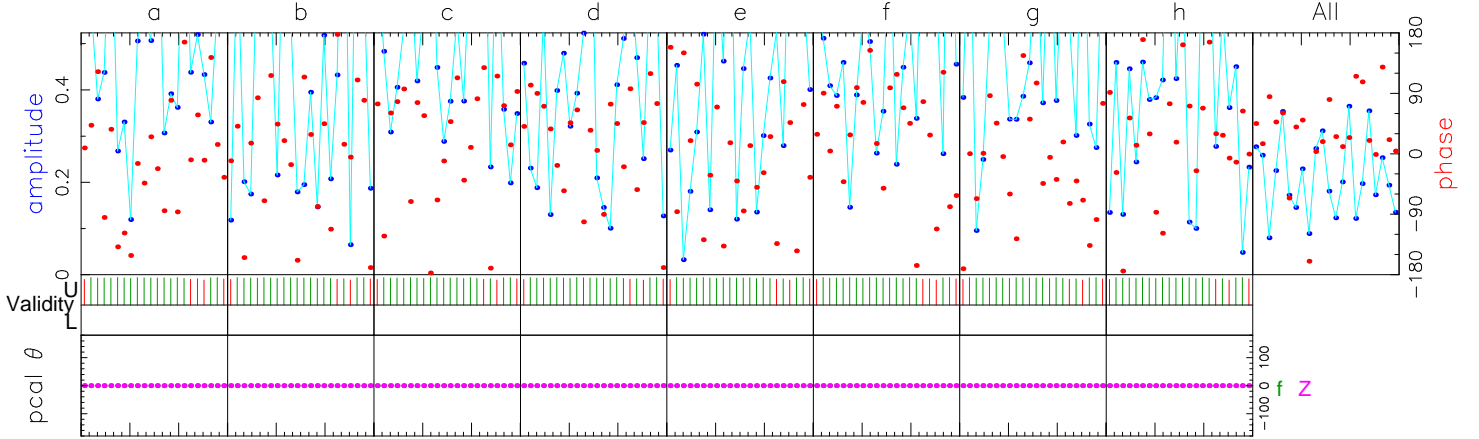


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-151.3	-170.2	-173.9	172.2	-146.5	50.5	163.1	168.4	Phase	179.5
	0.3	0.3	0.4	0.4	0.2	0.2	0.4	0.1	Ampl.	0.2
	45.3	417.2	202.1	202.7	389.2	398.3	490.8	19.0	Sbd box	203.0
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0	APs used	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
Z	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
f:Z	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
f:Z	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Z	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
Z	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	5.07471316956E+01		Apriori delay (usec)		5.09585574768E+01		Resid mbdelay (usec)		-8.30078E-03	+/- 2.0E-04
Sband delay (usec)	5.07476072268E+01		Apriori clock (usec)		4.0180655E+00		Resid sbdelay (usec)		-2.10950E-01	+/- 1.6E-03
Phase delay (usec)	5.09585632643E+01		Apriori clockrate (us/s)		9.3000003E-08		Resid phdelay (usec)		5.78749E-06	+/- 6.9E-07
Delay rate (us/s)	1.56007386351E+00		Apriori rate (us/s)		1.56008446491E+00		Resid rate (us/s)		-1.06014E-05	+/- 6.6E-09
Total phase (deg)	230.3		Apriori accel (us/s/s)		-2.27403761770E-05		Resid phase (deg)		179.5	+/- 21.4

ph/seg (deg) 59.4 50.1 Search (1024X32) 0.152 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 77.7 87.5 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 56.6 30.2 Inc. seg. avg. 0.228 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 52.2 52.8 Inc. frq. avg. 0.238 Data rate (Mbit/s): 2048 nlags: 256 t_cohere infinite dr window (ns/s) -0.011 0.011
 f: az 69.5 el 39.4 pa -75.8 Z: az 270.2 el 39.7 pa 36.7 u,v (fr/asec) -10769.255 -3775.693 ion window (TEC) 0.00 0.00
 simultaneous interpolator



Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



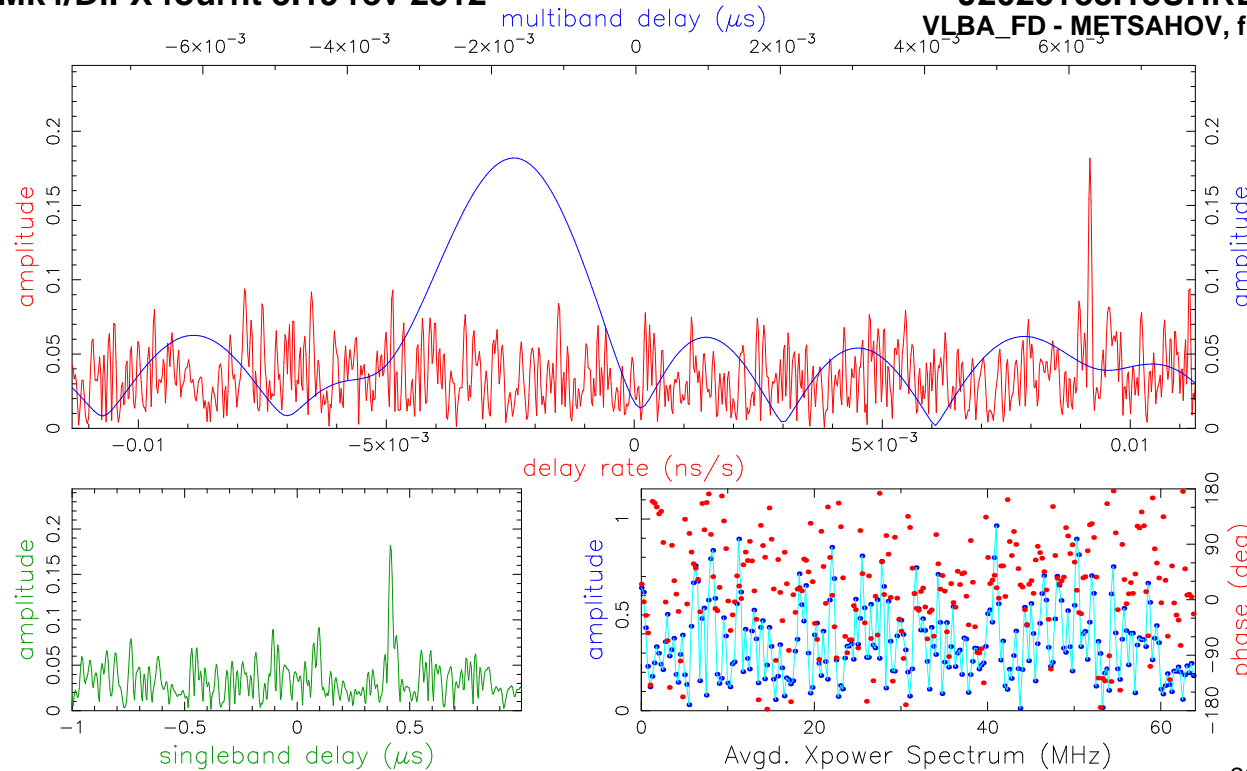
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
Z	1000	1000	1000	1000	1000	1000	1000	1000		
f:Z	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f:Z	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
Z	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		
Z	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		

Group delay (usec)(sbd)	5.05749803393E+01	Apriori delay (usec)	5.09585574768E+01	Resid mbdelay (usec)	7.04786E-03	+/-	1.9E-04	
Sband delay (usec)	5.05799712268E+01	Apriori clock (usec)	4.0180655E+00	Resid sbdelay (usec)	-3.78586E-01	+/-	1.5E-03	
Phase delay (usec)	5.09585586666E+01	Apriori clockrate (us/s)	9.3000003E-08	Resid phdelay (usec)	1.18976E-06	+/-	6.4E-07	
Delay rate (us/s)	1.56008960387E+00	Apriori rate (us/s)	1.56008446491E+00	Resid rate (us/s)	5.13896E-06	+/-	6.1E-09	
Total phase (deg)		87.7	Apriori accel (us/s/s)	-2.27403761770E-05	Resid phase (deg)	36.9	+/-	19.7

ph/seg (deg)	55.8	Theor.	46.3	Amplitude	0.175 +/- 0.030	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5		
amp/seg (%)	61.7		80.8	Search (1024X32)	0.155	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000		
ph/frq (deg)	32.6		27.9	Interp.	0.000	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.008 0.008	
amp/frq (%)	28.5		48.7	Inc. seg. avg.	0.176	Sample rate(MISamp/s):	128	dr window (ns/s)	-0.011 0.011		
				Inc. frq. avg.	0.177	Data rate(Mb/s):	2048	nlags: 256	t_cohere infinite	ion window (TEC)	0.00 0.00

f: az 69.5 el 39.4 pa -75.8 Z: az 270.2 el 39.7 pa 36.7 u,v (fr/asec) -10769.255 -3775.693 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c201b/v1/1234/No0058/fZ..18UHRL Output file: /Exps/c201b/v1/1234/No0058/fZ.W.125.18UHRL

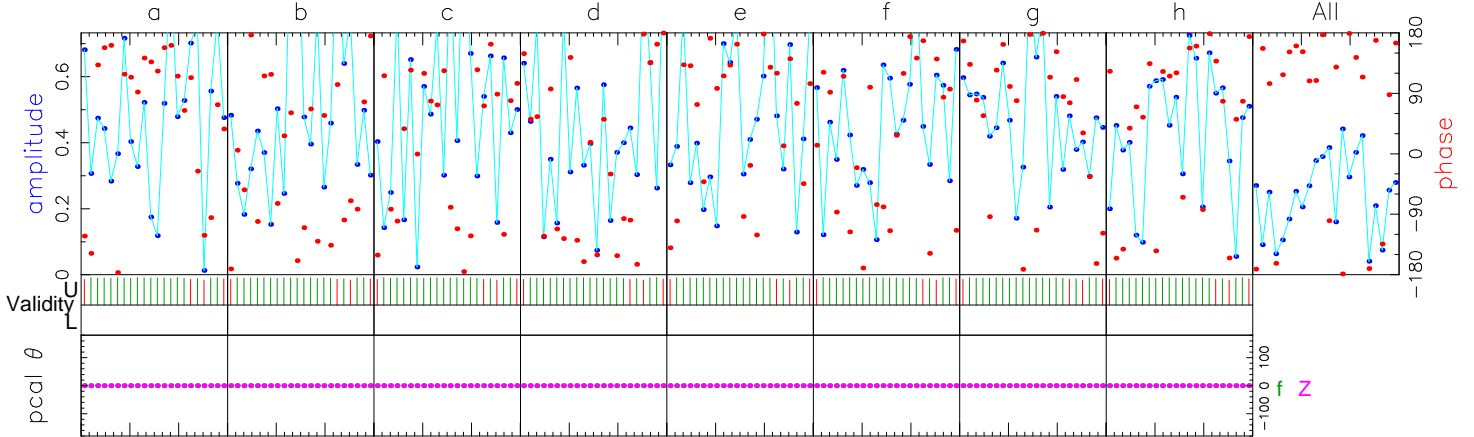


Fringe quality 0

SNR 6.6
 Int time 175.638
 Amp 0.244
 Phase 152.7
 PFD 4.4e-03
 Delays (us)
 SBD 0.415266
 MBD -0.001663
 Fringe rate (Hz) 0.792317
 Ion TEC 0.000
 Ref freq (MHz) 86140.0000
 AP (sec) 0.512

Exp. c201b
 Exper # 16383
 Yr:day 2020:117
 Start 090000.00
 Stop 090300.22
 FRT 090130.00
 Corr/FF/build
 2020:198:173855
 2020:199:143646
 2020:014:135814
 RA & Dec (J2000)
 20h25m10.842106s
 +33°43'00.214364"

Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
Z	1000	1000	1000	1000	1000	1000	1000	1000		
f:Z	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f:Z	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
Z	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		
Z	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		

Group delay (usec)(sbd)	5.13787696440E+01	Apriori delay (usec)	5.09585574768E+01	Resid mbdelay (usec)	-1.66283E-03	+/-	1.6E-04
Sband delay (usec)	5.13738234768E+01	Apriori clock (usec)	4.0180655E+00	Resid sbdelay (usec)	4.15266E-01	+/-	1.3E-03
Phase delay (usec)	5.09585624017E+01	Apriori clockrate (us/s)	9.3000003E-08	Resid phdelay (usec)	4.92487E-06	+/-	5.6E-07
Delay rate (us/s)	1.56009366292E+00	Apriori rate (us/s)	1.56008446491E+00	Resid rate (us/s)	9.19801E-06	+/-	5.3E-09
Total phase (deg)	203.5	Apriori accel (us/s/s)	-2.27403761770E-05	Resid phase (deg)	152.7	+/-	17.2

ph/seg (deg)	41.6	Theor.	40.4	Amplitude	0.244 +/- 0.037	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-1.000	1.000
amp/seg (%)	70.6		70.6	Search (1024X32)	0.176	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		mb window (us)	-0.008	0.008
ph/frq (deg)	26.1		24.4	Inc. seg. avg.	0.257	Bits/sample: 2x2	SampCntNorm: enabled	dr window (ns/s)	-0.011	0.011
amp/frq (%)	31.6		42.6	Inc. frq. avg.	0.234	Sample rate(MISamp/s): 128		ion window (TEC)	0.00	0.00
						Data rate(Mb/s): 2048	nlags: 256	t_cohere infinite		

f: az 69.5 el 39.4 pa -75.8 Z: az 270.2 el 39.7 pa 36.7 u,v (fr/asec) -10769.255 -3775.693 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c201b/v1/1234/No0058/fZ..18UHRL Output file: /Exps/c201b/v1/1234/No0058/fZ.W.67.18UHRL