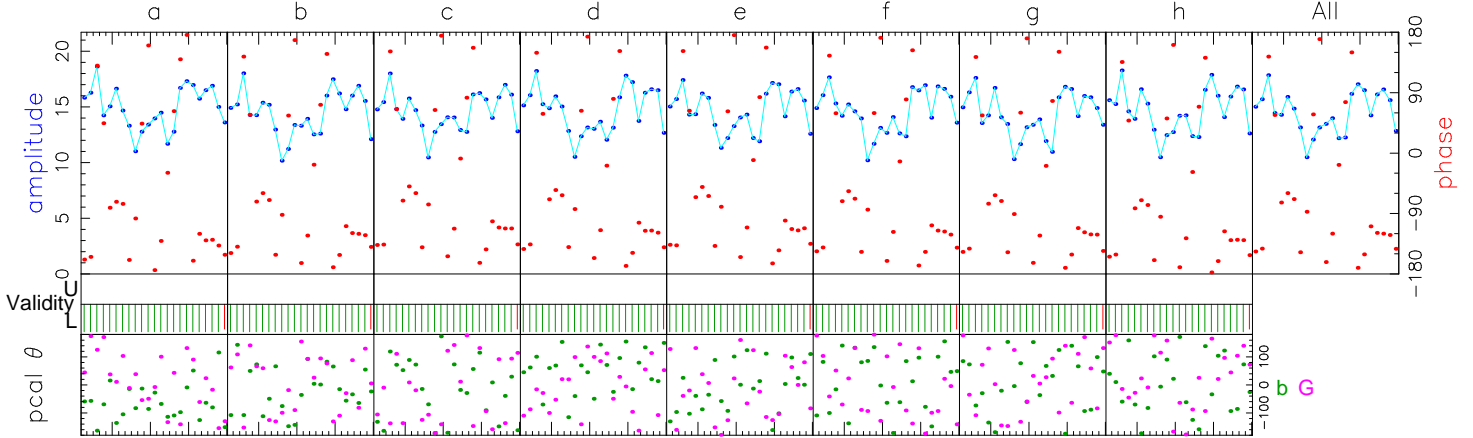


Fringe quality 5

SNR 211.8
Int time 228.985
Amp 7.238
Phase -136.2
PFD 0.0e+00
Delays (us)
SBD 0.001525
MBD 0.001242
Fringe rate (Hz)
-0.007802
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.500

Exp. c171a
Exper # 16383
Yr:day 2017:090
Start 050011.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052
2017:215:024625
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"

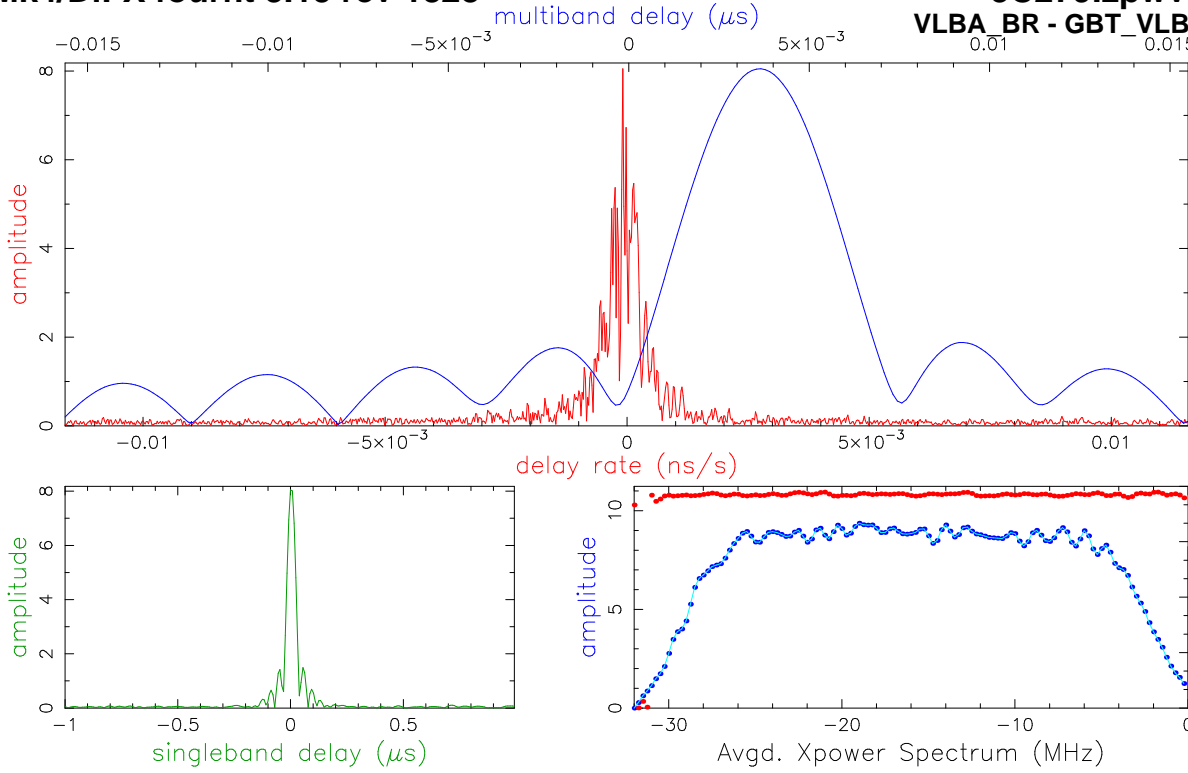
Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec



	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	-147.0	-136.6	-128.6	-131.7	-127.9	-134.6	-137.3	-145.1	Phase	-136.2
	7.4	7.2	7.0	7.2	7.3	7.2	7.4	7.3	Ampl.	7.3
	129.3	129.3	129.2	129.2	129.2	129.1	129.1	129.1	Sbd box	129.2
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
b	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
b:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
b:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
b	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
G	1000	1000	1000	1000	1000	1000	1000	1000		
b	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
									Tracks	
G	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
									Tracks	
Group delay (usec)(sbd)	-7.45978124615E+03		Apriori delay (usec)		-7.45978248802E+03		Resid mbdelay (usec)		1.24187E-03	+/- 1.0E-05
Sband delay (usec)	-7.45978096302E+03		Apriori clock (usec)		6.7985430E+00		Resid sbdelay (usec)		1.52500E-03	+/- 8.1E-05
Phase delay (usec)	-7.45978249241E+03		Apriori clockrate (us/s)		-2.1937320E-07		Resid phdelay (usec)		-4.39061E-06	+/- 1.7E-08
Delay rate (us/s)	5.80097544047E-01		Apriori rate (us/s)		5.80097634621E-01		Resid rate (us/s)		-9.05749E-08	+/- 1.3E-10
Total phase (deg)	-322.7		Apriori accel (us/s/s)		3.82793114821E-05		Resid phase (deg)		-136.2	+/- 0.5

ph/seg (deg) 74.6 1.3 Theor. Amplitude 7.238 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 103.8 2.3 Search (1024X32) 7.141 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 7.6 0.8 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 1.7 1.3 Inc. seg. avg. 14.522 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 Inc. frq. avg. 7.265 ion window (TEC) 0.00 0.00

b: az 125.4 el 20.4 pa -33.2 G: az 165.5 el 44.7 pa -11.0 u,v (fr/asec) -3311.875 773.863 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/bG.zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/bG.W.145.zpwwdj

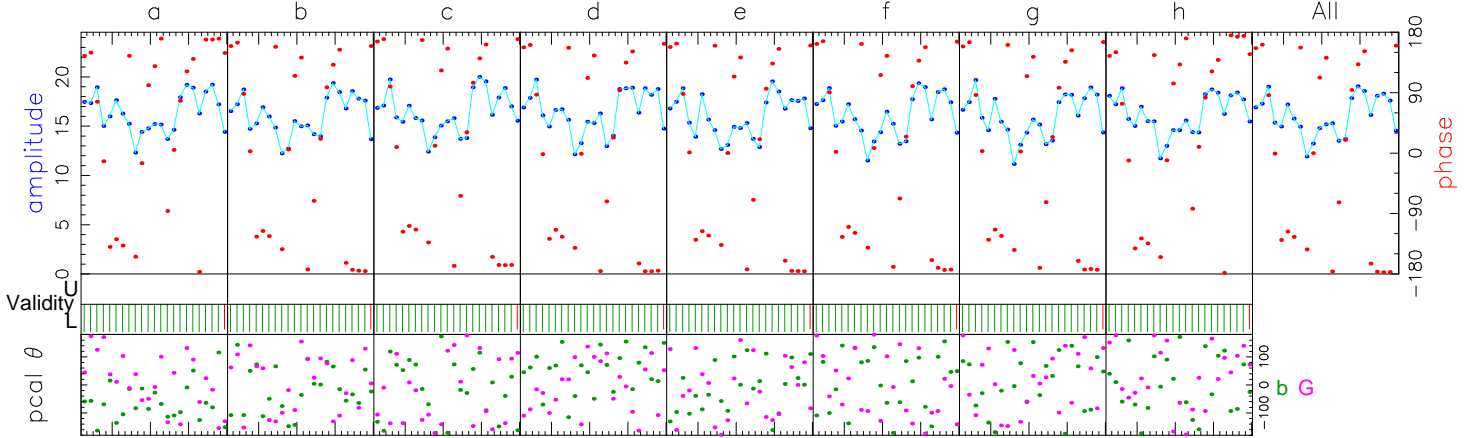


Fringe quality 5

SNR 239.4
Int time 228.985
Amp 8.180
Phase 167.0
PFD 0.0e+00
Delays (us)
SBD 0.003633
MBD 0.003633
Fringe rate (Hz)
-0.007781
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.500

Exp. c171a
Exper # 16383
Yr:day 2017:090
Start 050011.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052
2017:215:024626
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"

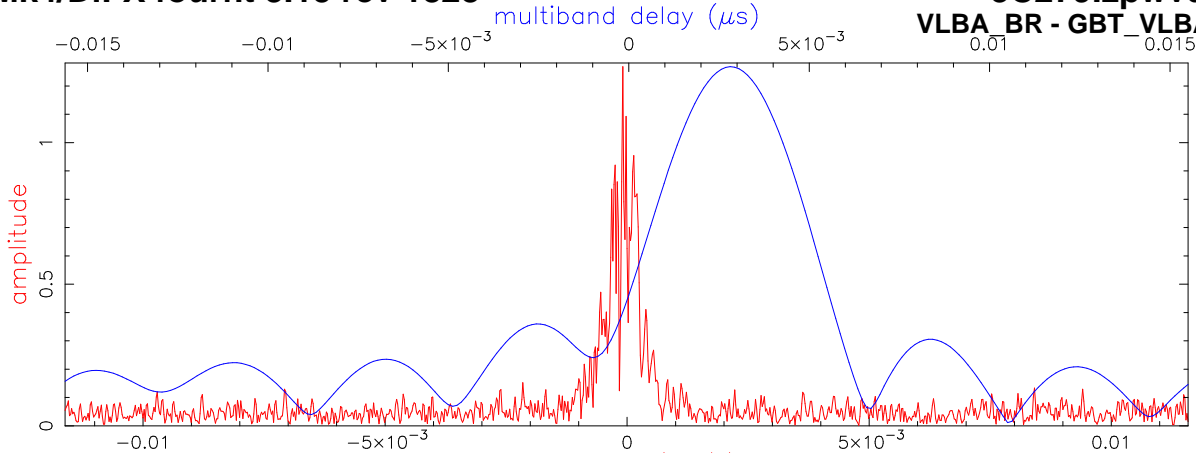
Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec



	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	155.5	167.0
b	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	8.1	8.1
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	129.6	129.5
b:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	8.1	8.1
b:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	129.4	129.5
b	1000	1000	1000	1000	1000	1000	1000	1000	8.1	8.1
G	1000	1000	1000	1000	1000	1000	1000	1000	129.4	129.5
b	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	8.1	8.1
G	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	129.4	129.5
Group delay (usec)(sbd)	-7.45977885484E+03		Apriori delay (usec)		-7.45978248802E+03		Resid mbdelay (usec)		3.63318E-03	+/- 9.1E-06
Sband delay (usec)	-7.45977885502E+03		Apriori clock (usec)		6.7985430E+00		Resid sbdelay (usec)		3.63300E-03	+/- 7.2E-05
Phase delay (usec)	-7.45978248264E+03		Apriori clockrate (us/s)		-2.1937320E-07		Resid phdelay (usec)		5.38470E-06	+/- 1.5E-08
Delay rate (us/s)	5.80097544298E-01		Apriori rate (us/s)		5.80097634621E-01		Resid rate (us/s)		-9.03239E-08	+/- 1.2E-10
Total phase (deg)	-19.5		Apriori accel (us/s/s)		3.82793114821E-05		Resid phase (deg)		167.0	+/- 0.5

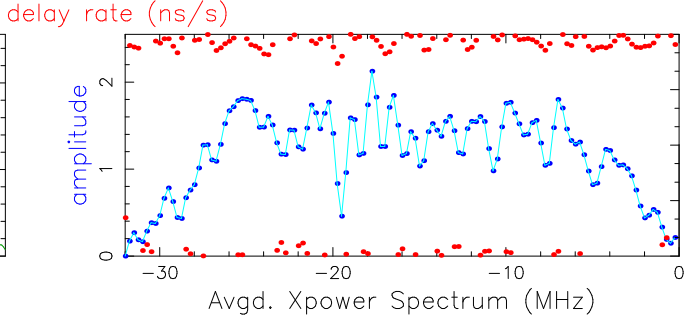
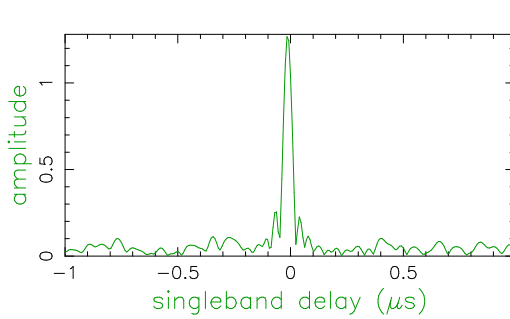
ph/seg (deg) 74.8 1.1 Search (1024X32) 7.968 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 99.2 2.0 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 8.0 0.7 Inc. seg. avg. 16.058 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 1.3 1.2 Inc. frq. avg. 8.109 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 b: az 125.4 el 20.4 pa -33.2 G: az 165.5 el 44.7 pa -11.0 u,v (fr/asec) -3311.875 773.863 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite ion window (TEC) 0.00 0.00

Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/bG.zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/bG.W.146.zpwwdj simultaneous interpolator



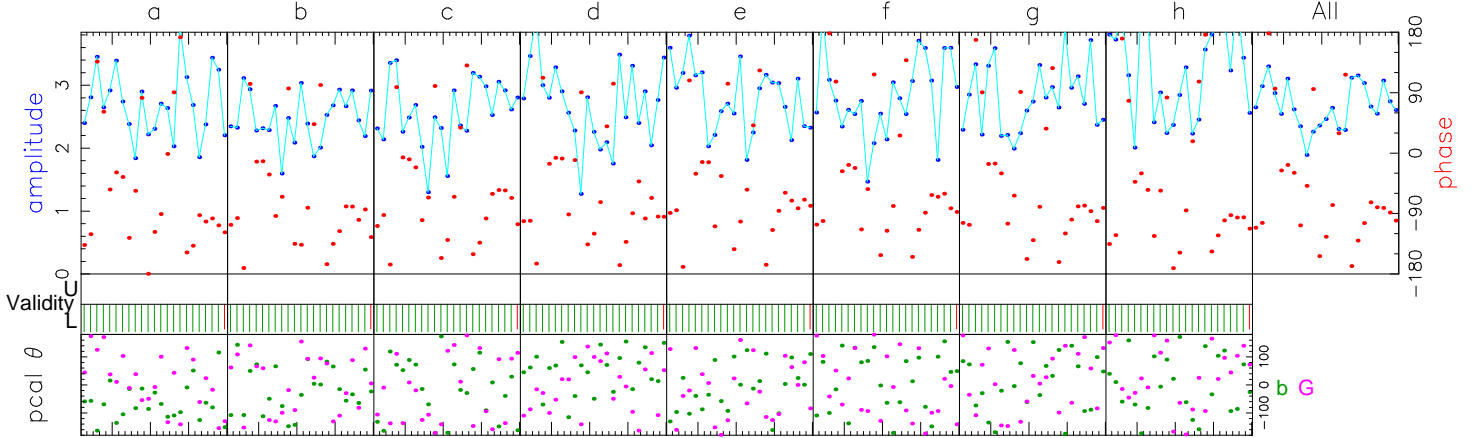
Fringe quality 6

SNR 37.5
Int time 228.985
Amp 1.281
Phase -97.7
PFD 0.0e+00
Delays (us)
SBD -0.012717
MBD 0.002822
Fringe rate (Hz)
-0.007781
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.500



Exp. c171a
Exper # 16383
Yr:day 2017:090
Start 050011.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052
2017:215:024627
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"

Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec

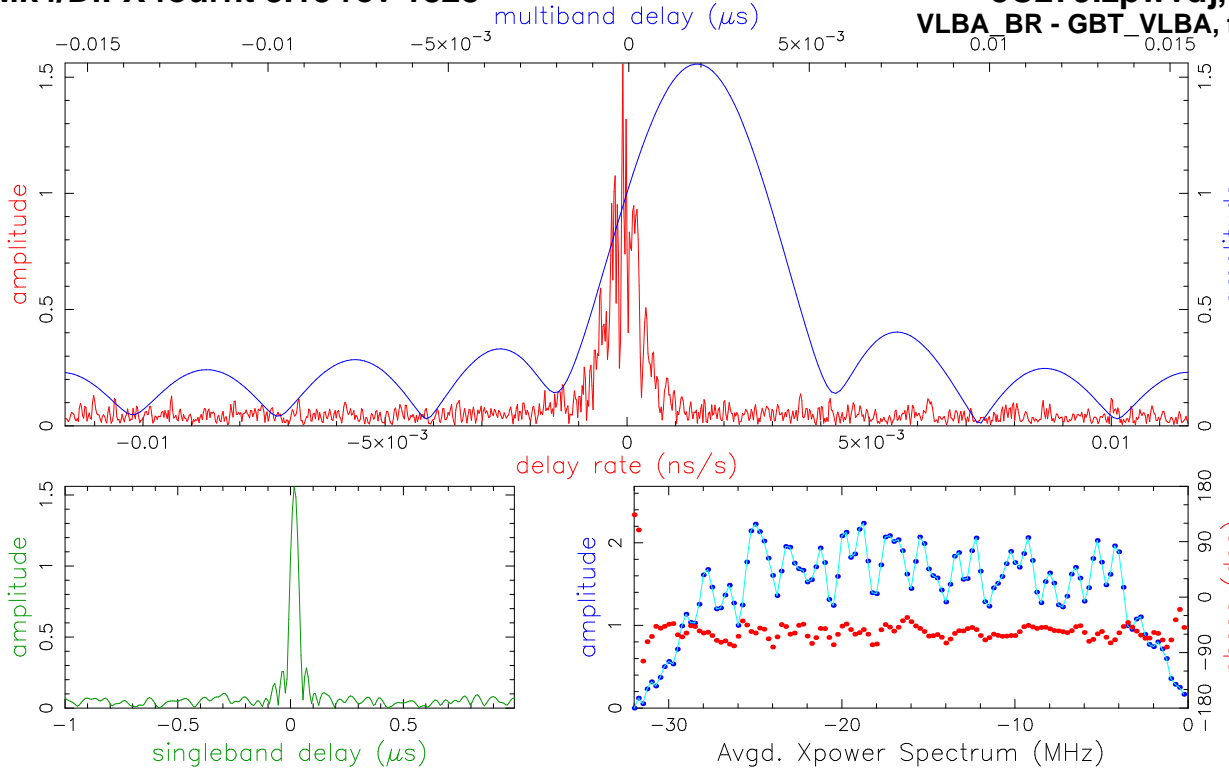


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	-112.0	-104.3	-88.6	-89.8	-84.7	-92.1	-94.9	-112.0	Phase	-97.7
	1.1	1.2	1.1	1.3	1.2	1.5	1.3	1.7	Ampl.	1.3
	127.9	127.3	127.8	127.4	127.5	127.3	127.0	127.1	Sbd box	127.4
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
b	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
b:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
b:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
b	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
G	1000	1000	1000	1000	1000	1000	1000	1000		
b	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
									Tracks	
G	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
									Tracks	

Group delay (usec)(sbd) -7.45977966553E+03 Apriori delay (usec) -7.45978248802E+03 Resid mbdelay (usec) 2.82250E-03 +/- 5.8E-05
 Sband delay (usec) -7.45979520452E+03 Apriori clock (usec) 6.7985430E+00 Resid sbdelay (usec) -1.27165E-02 +/- 4.6E-04
 Phase delay (usec) -7.45978249117E+03 Apriori clockrate (us/s) -2.1937320E-07 Resid phdelay (usec) -3.15045E-06 +/- 9.9E-08
 Delay rate (us/s) 5.80097544293E-01 Apriori rate (us/s) 5.80097634621E-01 Resid rate (us/s) -9.03282E-08 +/- 7.5E-10
 Total phase (deg) -284.2 Apriori accel (us/s/s) 3.82793114821E-05 Resid phase (deg) -97.7 +/- 3.1

RMS Theor. Amplitude 1.281 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 75.5 7.3 Search (1024X32) 1.263 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 amp/seg (%) 112.3 12.8 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 ph/frq (deg) 11.6 4.3 Inc. seg. avg. 2.656 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 amp/frq (%) 14.6 7.5 Inc. frq. avg. 1.285 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite ion window (TEC) 0.00 0.00

b: az 125.4 el 20.4 pa -33.2 G: az 165.5 el 44.7 pa -11.0 u,v (fr/asec) -3311.875 773.863 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/bG..zpvdj Output file: /Exps/c171a/gmva/1234/No0584/bG.W.147.zpvdj

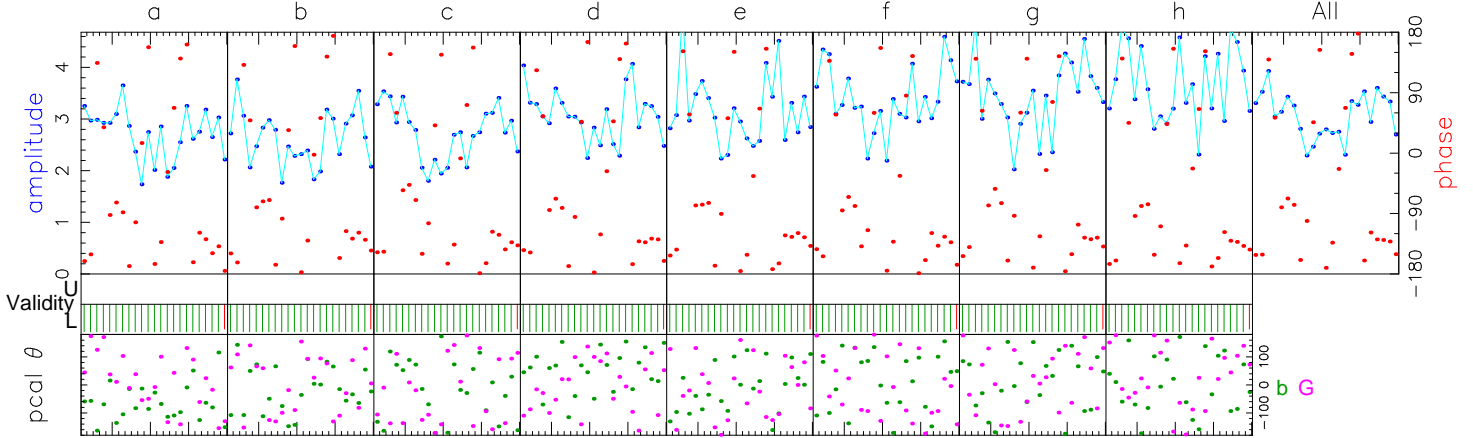


Fringe quality 7

SNR 45.7
Int time 228.985
Amp 1.561
Phase -144.8
PFD 0.0e+00
Delays (us)
SBD 0.017182
MBD 0.001901
Fringe rate (Hz)
-0.007761
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.500

Exp. c171a
Exper # 16383
Yr:day 2017:090
Start 050011.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052
2017:215:024628
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"

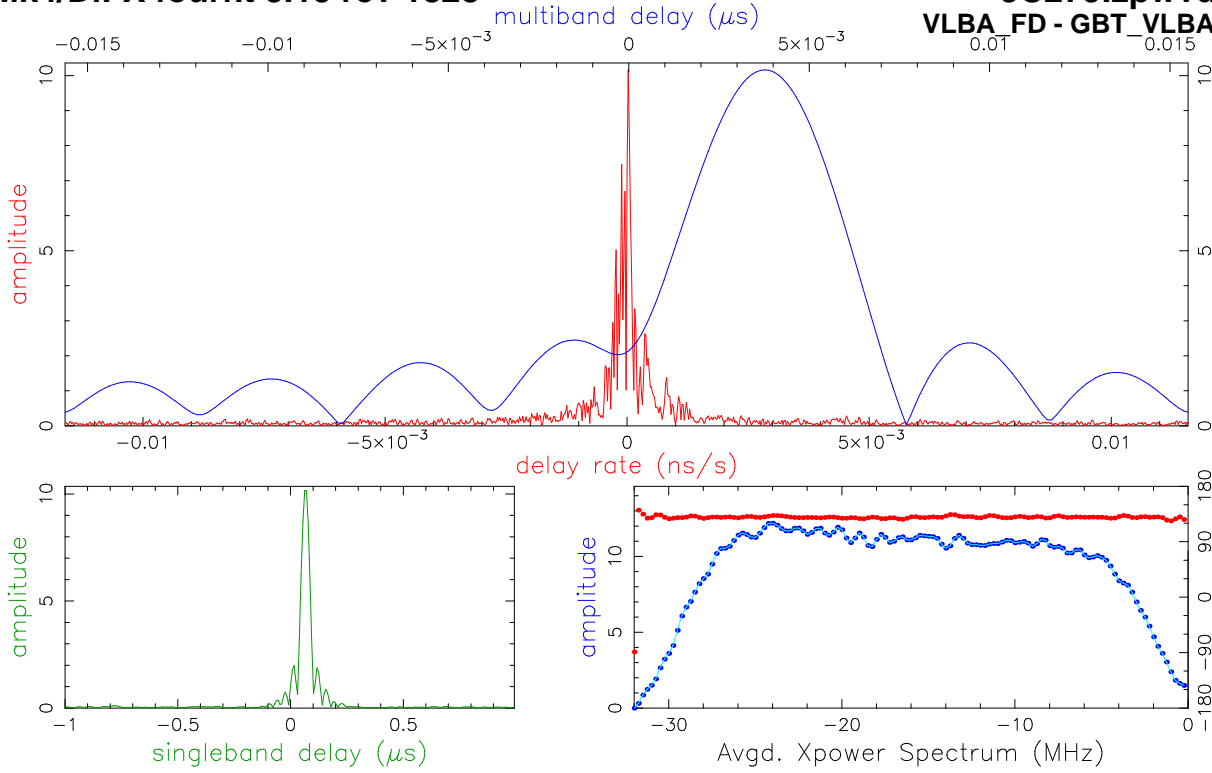
Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec



	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All		
	-147.3	-144.0	-139.6	-142.9	-147.4	-147.5	-143.3	-145.1	Phase	-144.8		
	1.4	1.3	1.3	1.4	1.6	1.8	1.7	1.9	Ampl.	1.6		
	131.1	131.3	131.1	131.2	131.3	131.1	131.2	131.3	Sbd box	131.2		
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used			
b	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs			
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs			
b:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase			
b:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC			
b	1000	1000	1000	1000	1000	1000	1000	1000	PC amp			
G	1000	1000	1000	1000	1000	1000	1000	1000				
b	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids			
									Tracks			
G	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids			
									Tracks			
Group delay (usec)(sbd)	-7.45978058671E+03		Apriori delay (usec)		-7.45978248802E+03		Resid mbdelay (usec)		1.90131E-03	+/- 4.8E-05		
Sband delay (usec)	-7.45976530652E+03		Apriori clock (usec)		6.7985430E+00		Resid sbdelay (usec)		1.71815E-02	+/- 3.8E-04		
Phase delay (usec)	-7.45978249269E+03		Apriori clockrate (us/s)		-2.1937320E-07		Resid phdelay (usec)		-4.67003E-06	+/- 8.1E-04		
Delay rate (us/s)	5.80097544530E-01		Apriori rate (us/s)		5.80097634621E-01		Resid rate (us/s)		-9.00917E-08	+/- 6.1E-10		
Total phase (deg)	-331.3		Apriori accel (us/s/s)		3.82793114821E-05		Resid phase (deg)		-144.8	+/- 2.5		
RMS	Theor.	Amplitude	1.561 +/- 0.034		Pcal mode: MANUAL, MANUAL		PC period (AP's) 5, 5					
ph/seg (deg)	74.3	6.0	Search (1024X32)		1.551		Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-1.000 1.000		
amp/seg (%)	100.9	10.5	Interp.		0.000		Bits/sample: 2x2		SampCntNorm: enabled	mb window (us)	-0.016 0.016	
ph/frq (deg)	3.0	3.5	Inc. seg. avg.		3.060		Sample rate(MSamp/s): 64			dr window (ns/s)	-0.012 0.012	
amp/frq (%)	14.1	6.2	Inc. frq. avg.		1.555		Data rate(Mb/s): 1024		nlags: 128	t_cohere infinite	ion window (TEC)	0.00 0.00

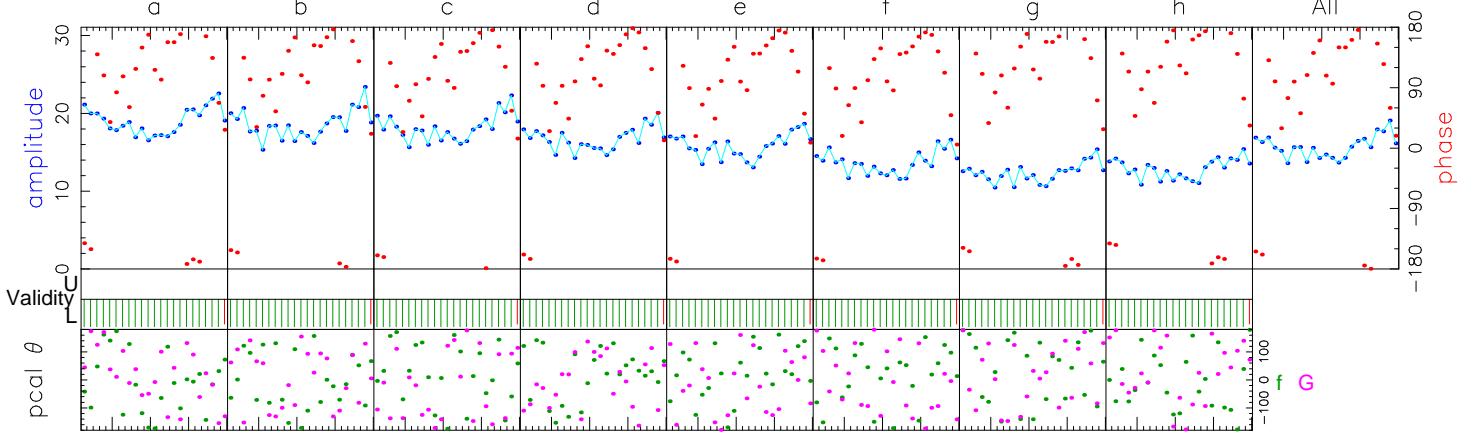
b: az 125.4 el 20.4 pa -33.2 G: az 165.5 el 44.7 pa -11.0 u,v (fr/asec) -3311.875 773.863 simultaneous interpolator

Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/bG..zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/bG.W.148.zpwwdj



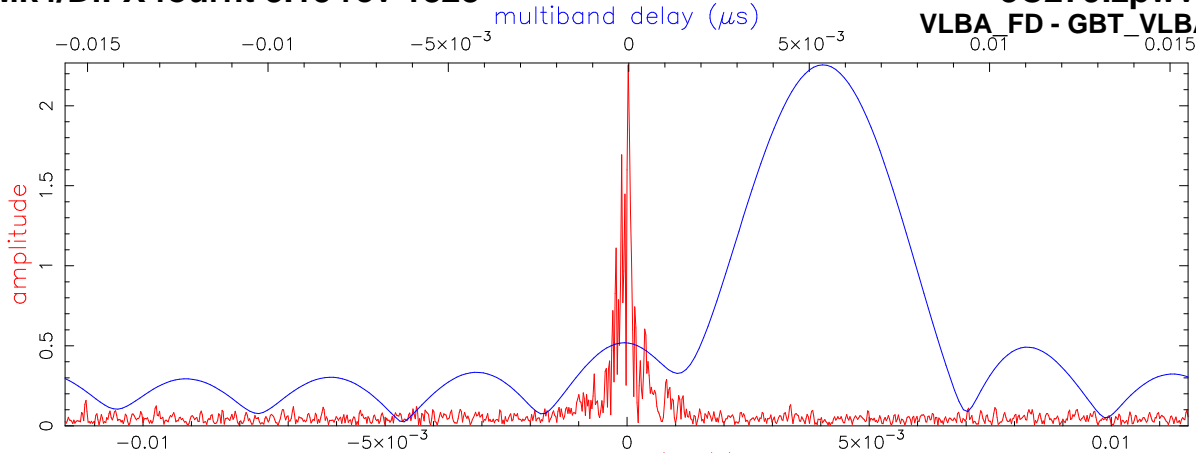
Fringe quality 5
 SNR 303.2
 Int time 228.985
 Amp 10.360
 Phase -230.9
 PFD 0.0e+00
 Delays (us)
 SBD 0.066388
 MBD 0.003757
 Fringe rate (Hz) 0.002263
 Ion TEC 0.000
 Ref freq (MHz) 86140.0000
 AP (sec) 0.500
 Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050011.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024634
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"

Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec



	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	138.2	132.0	123.6	122.1	119.7	118.2	137.5	143.4	Phase	129.1
	12.2	12.0	11.7	10.9	10.2	8.8	8.2	8.4	Ampl.	10.3
	137.7	137.3	137.5	137.6	137.3	137.6	137.5	137.4	Sbd box	137.5
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
f	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
f:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
f:G	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	
G	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
G	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	-9.78346270754E+02		Apriori delay (usec)		-9.78412527396E+02		Resid mbdelay (usec)		3.75664E-03	+/- 7.2E-06
Sband delay (usec)	-9.78346139396E+02		Apriori clock (usec)		1.0508989E+01		Resid sbdelay (usec)		6.63880E-02	+/- 5.7E-05
Phase delay (usec)	-9.78412523233E+02		Apriori clockrate (us/s)		-6.5280756E-07		Resid phdelay (usec)		4.16285E-06	+/- 1.2E-08
Delay rate (us/s)	5.35433990583E-01		Apriori rate (us/s)		5.35433964311E-01		Resid rate (us/s)		2.62712E-08	+/- 9.2E-11
Total phase (deg)	-270.5		Apriori accel (us/s/s)		6.55272992641E-06		Resid phase (deg)		-230.9	+/- 0.4

ph/seg (deg) 51.7 0.9 Theor. Amplitude 10.360 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 53.6 1.6 Search (1024X32) 10.074 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 10.4 0.5 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 15.1 0.9 Inc. seg. avg. 15.728 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 f: az 132.0 el 40.8 pa -39.8 G: az 165.5 el 44.7 pa -11.0 u,v (fr/asec) -3078.286 -1040.769 ion window (TEC) 0.00 0.00
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/fG.zpvdj Output file: /Exps/c171a/gmva/1234/No0584/fG.W.153.zpvdj simultaneous interpolator



Fringe quality 5

SNR 66.3

Int time 228.985

Amp 2.267

Phase -257.4

PFD 0.0e+00

Delays (us)

SBD 0.052685

MBD 0.005378

Fringe rate (Hz) 0.002210

Ion TEC 0.000

Ref freq (MHz) 86140.0000

AP (sec) 0.500

Exp. c171a

Exper # 16383

Yr:day 2017:090

Start 050011.00

Stop 050400.00

FRT 050205.00

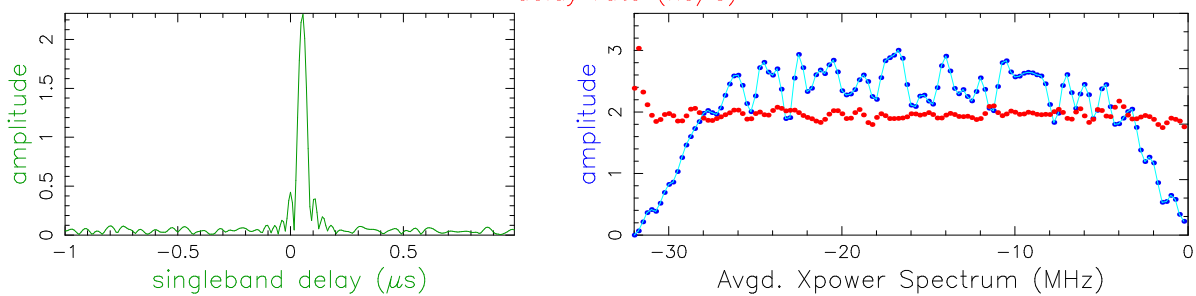
Corr/FF/build

2017:208:015052

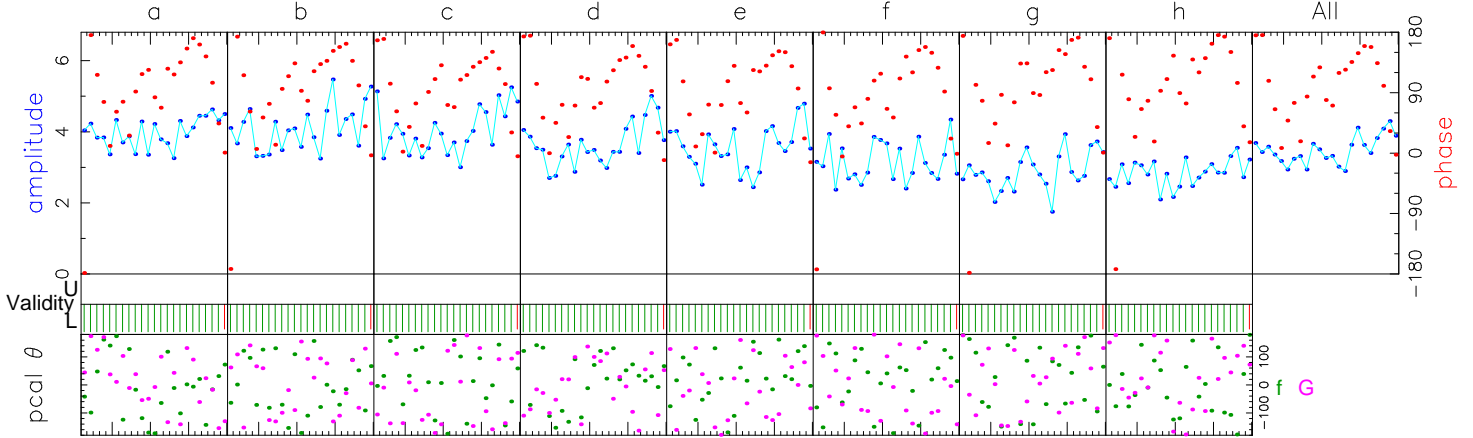
2017:215:024636

2017:188:152524

RA & Dec (J2000) 12h56m11.1666s -5°47'21.525"



Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec



	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	2.3
f	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	135.7
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC phase	
f:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
f:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC amp	
f	1000	1000	1000	1000	1000	1000	1000	1000	Chan ids	
G	1000	1000	1000	1000	1000	1000	1000	1000	Tracks	
f	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
G	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	

Group delay (usec)(sbd) -9.78344649754E+02 Apriori delay (usec) -9.78412527396E+02 Resid mbdelay (usec) 5.37764E-03 +/- 3.3E-05

Sband delay (usec) -9.78359841896E+02 Apriori clock (usec) 1.0508989E+01 Resid sbdelay (usec) 5.26855E-02 +/- 2.6E-04

Phase delay (usec) -9.78412524088E+02 Apriori clockrate (us/s) -6.5280756E-07 Resid phdelay (usec) 3.30753E-06 +/- 5.6E-08

Delay rate (us/s) 5.35433989962E-01 Apriori rate (us/s) 5.35433964311E-01 Resid rate (us/s) 2.56501E-08 +/- 4.2E-10

Total phase (deg) -297.0 Apriori accel (us/s/s) 6.55272992641E-06 Resid phase (deg) -257.4 +/- 1.7

RMS Theor. Amplitude 2.267 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5

ph/seg (deg) 51.5 4.1 Search (1024X32) 2.192 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000

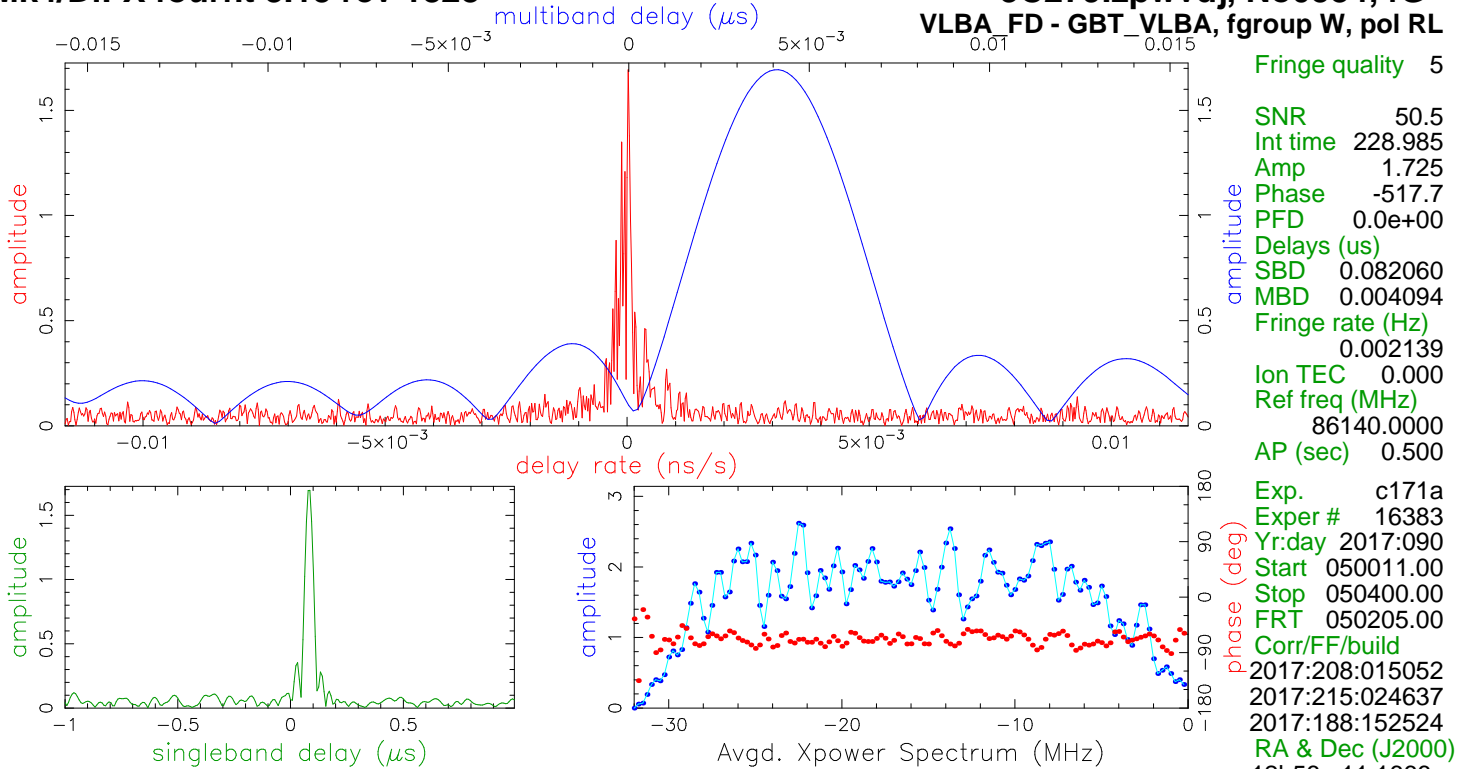
amp/seg (%) 56.3 7.2 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016

ph/frq (deg) 5.8 2.4 Inc. seg. avg. 3.478 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012

amp/frq (%) 14.5 4.3 Inc. frq. avg. 2.262 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite ion window (TEC) 0.00 0.00

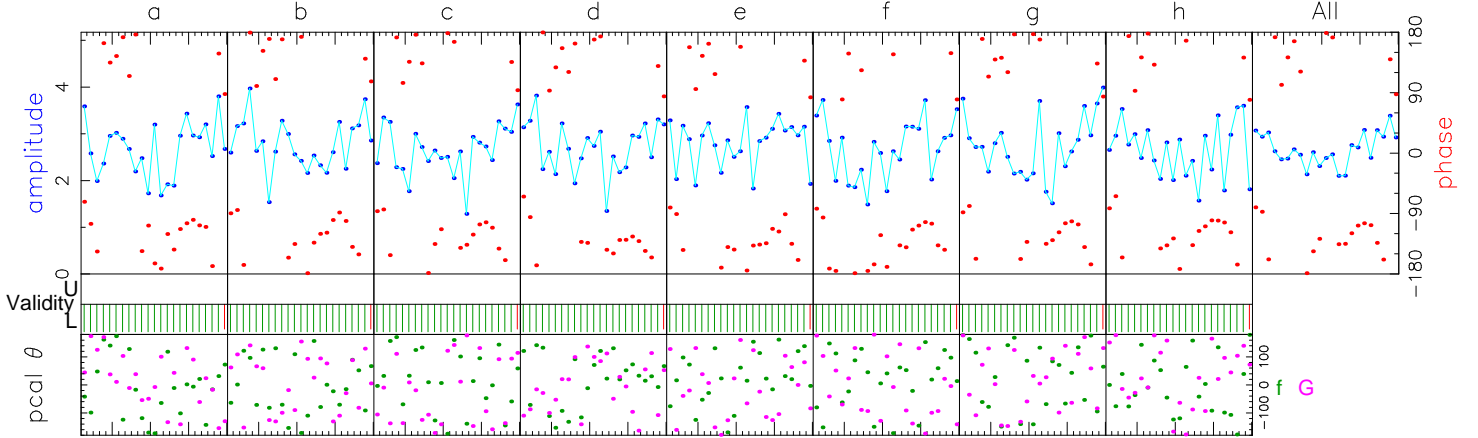
f: az 132.0 el 40.8 pa -39.8 G: az 165.5 el 44.7 pa -11.0 u,v (fr/asec) -3078.286 -1040.769 simultaneous interpolator

Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/fG.zpvdj Output file: /Exps/c171a/gmva/1234/No0584/fG.W.155.zpvdj



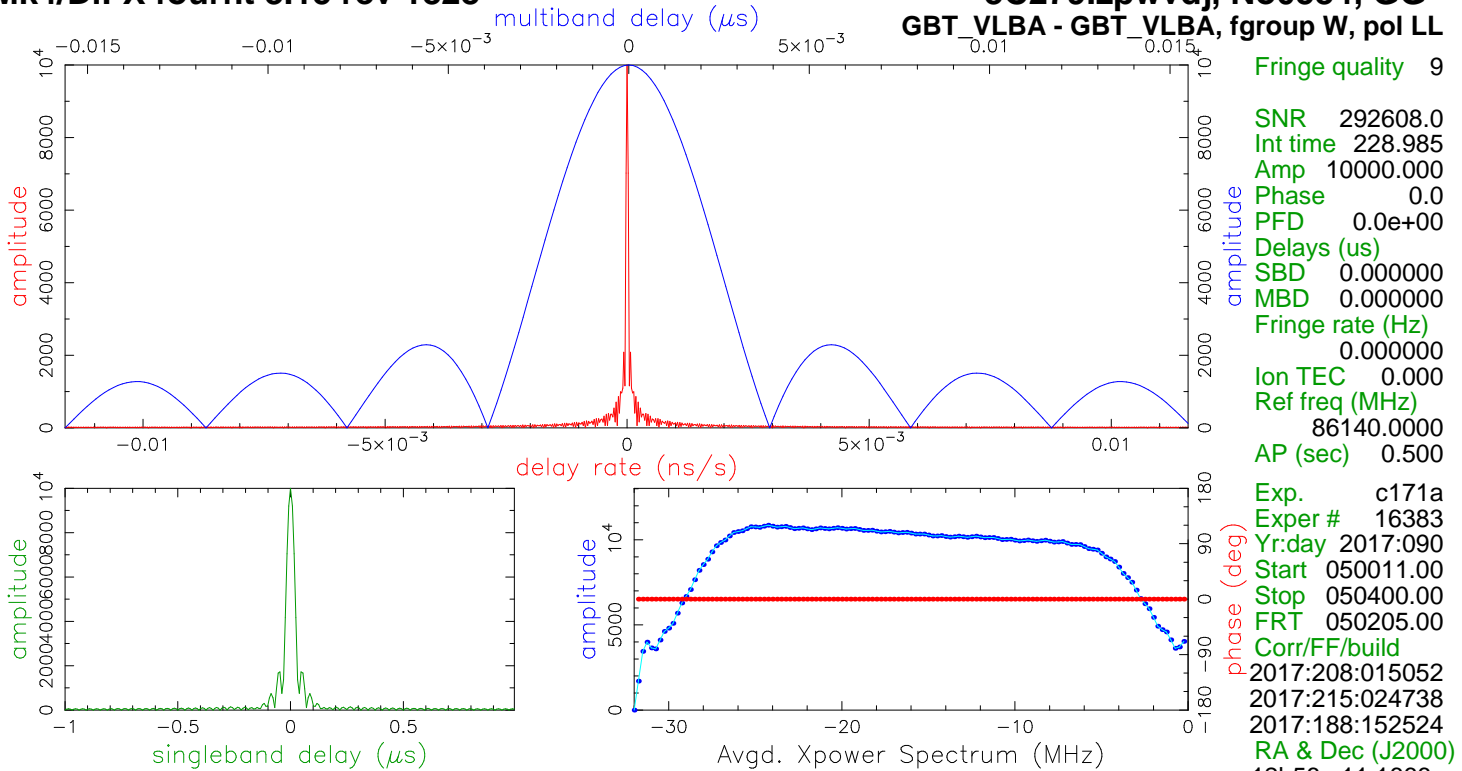
Fringe quality 5
 SNR 50.5
 Int time 228.985
 Amp 1.725
 Phase -517.7
 PFD 0.0e+00
 Delays (us)
 SBD 0.082060
 MBD 0.004094
 Fringe rate (Hz) 0.002139
 Ion TEC 0.000
 Ref freq (MHz) 86140.0000
 AP (sec) 0.500
 Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050011.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024637
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"

Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec

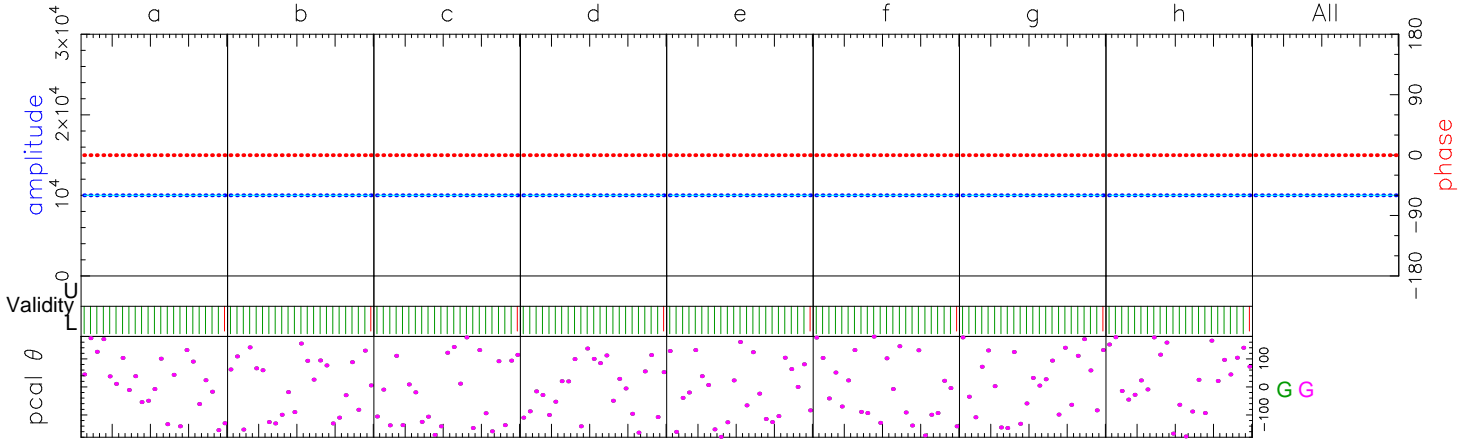


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	-153.1	-159.1	-156.7	-166.5	-158.1	-151.4	-164.2	-152.0	Phase	-157.7
	1.7	1.8	1.7	1.7	1.7	1.6	1.6	1.6	Ampl.	1.7
	139.6	139.5	139.2	139.7	139.6	139.5	139.5	139.6	Sbd box	139.5
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
f	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
f:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
f:G	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	
G	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
G	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	-9.78345933129E+02		Apriori delay (usec)		-9.78412527396E+02		Resid mbdelay (usec)		4.09427E-03	+/- 4.3E-05
Sband delay (usec)	-9.78330467896E+02		Apriori clock (usec)		1.0508989E+01		Resid sbdelay (usec)		8.20595E-02	+/- 3.4E-04
Phase delay (usec)	-9.78412532481E+02		Apriori clockrate (us/s)		-6.5280756E-07		Resid phdelay (usec)		-5.08512E-06	+/- 7.3E-08
Delay rate (us/s)	5.35433989145E-01		Apriori rate (us/s)		5.35433964311E-01		Resid rate (us/s)		2.48331E-08	+/- 5.5E-10
Total phase (deg)	-557.2		Apriori accel (us/s/s)		6.55272992641E-06		Resid phase (deg)		-517.7	+/- 2.3

RMS Theor. Amplitude 1.725 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 52.5 5.4 Search (1024X32) 1.683 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 amp/seg (%) 58.2 9.5 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 ph/frq (deg) 6.0 3.2 Inc. seg. avg. 2.660 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 amp/frq (%) 4.6 5.6 Inc. frq. avg. 1.698 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite ion window (TEC) 0.00 0.00
 f: az 132.0 el 40.8 pa -39.8 G: az 165.5 el 44.7 pa -11.0 u,v (fr/asec) -3078.286 -1040.769 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/fG.zpvdj Output file: /Exps/c171a/gmva/1234/No0584/fG.W.156.zpvdj



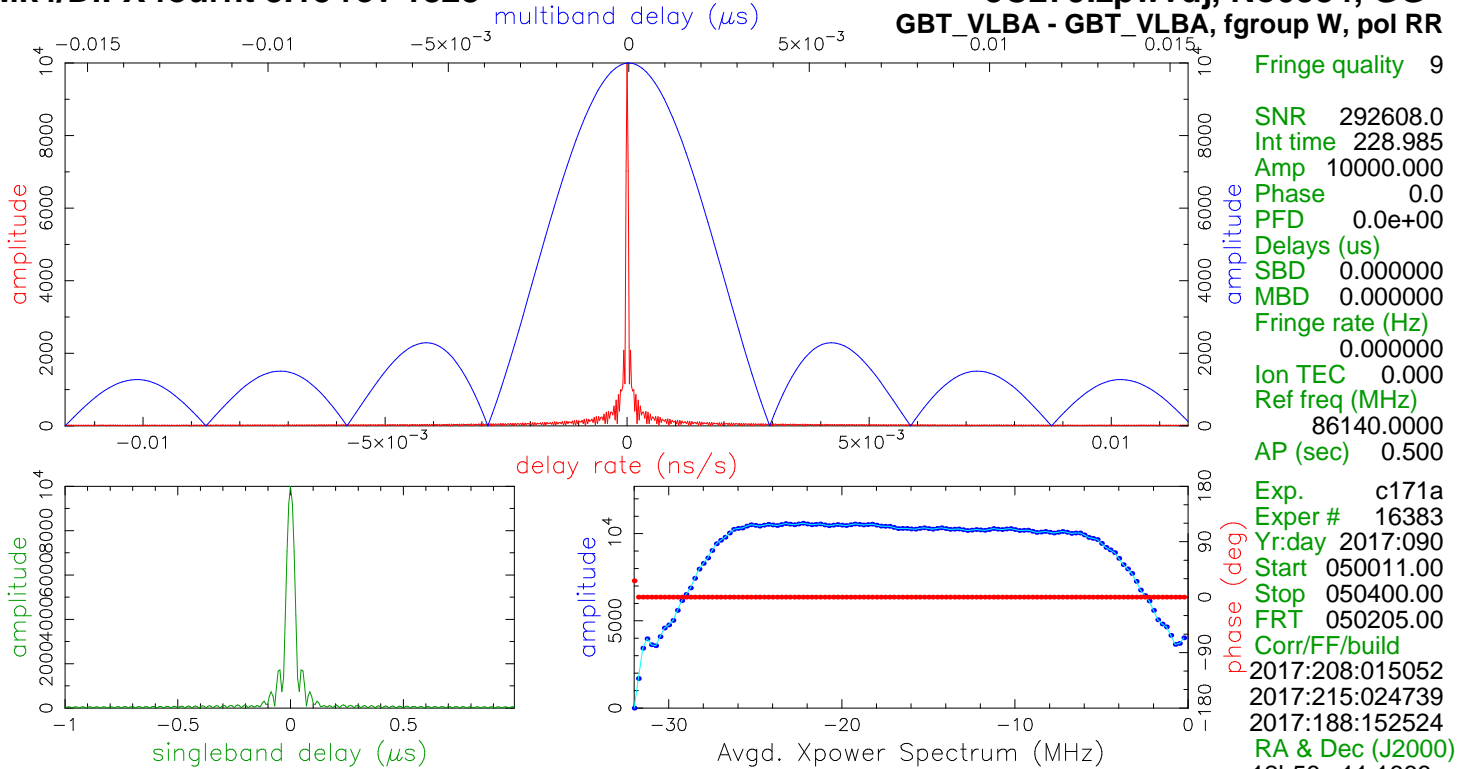
Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec



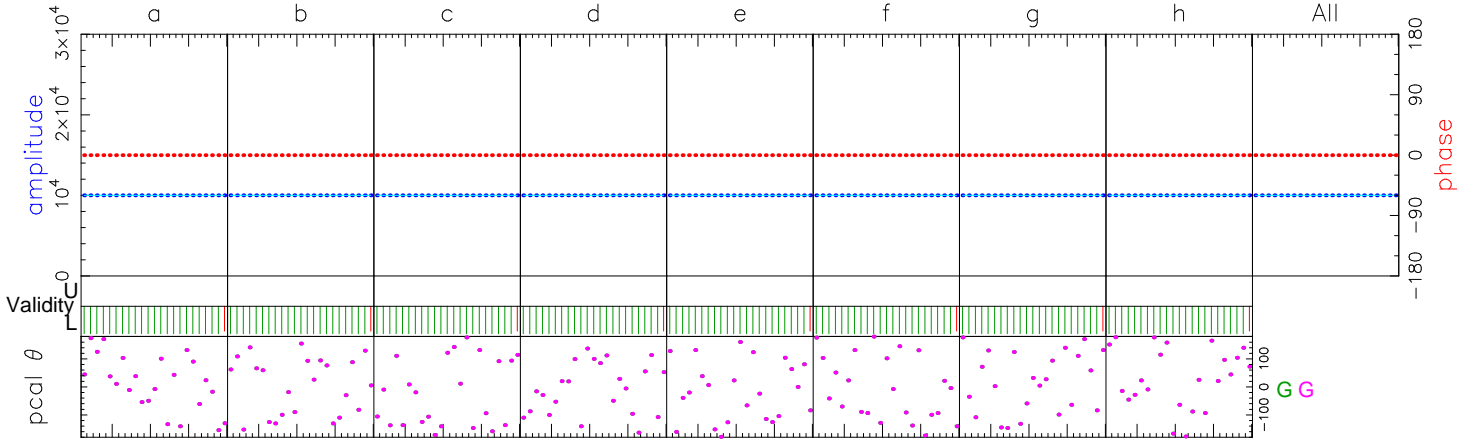
	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	10000.0	10000.0
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	129.0	129.0
G:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0.0	0.0
G:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0.0	0.0
G	1000	1000	1000	1000	1000	1000	1000	1000	10000.0	10000.0
G	1000	1000	1000	1000	1000	1000	1000	1000	129.0	129.0
G	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL		
G	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL		

Group delay (usec)(sbd)	0.0000000000E+00	Apriori delay (usec)	0.0000000000E+00	Resid mbdelay (usec)	0.00000E+00	+/-	7.4E-09
Sband delay (usec)	0.0000000000E+00	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	0.00000E+00	+/-	5.9E-08
Phase delay (usec)	0.0000000000E+00	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	0.00000E+00	+/-	1.3E-11
Delay rate (us/s)	0.0000000000E+00	Apriori rate (us/s)	0.0000000000E+00	Resid rate (us/s)	0.00000E+00	+/-	9.6E-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	Theor.	Amplitude	10000.000 +/- 0.034	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-1.000	1.000
amp/seg (%)	0.0	0.0	Search (1024X32)	0.000	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		mb window (us)	-0.016	0.016
ph/frq (deg)	0.0	0.0	Inc. seg. avg.	10000.000	Bits/sample: 2x2	SampCntNorm: enabled	dr window (ns/s)	-0.012	0.012
amp/frq (%)	0.0	0.0	Inc. frq. avg.	10000.000	Sample rate(MSamp/s): 64	Data rate(Mb/s): 1024	ion window (TEC)	0.00	0.00

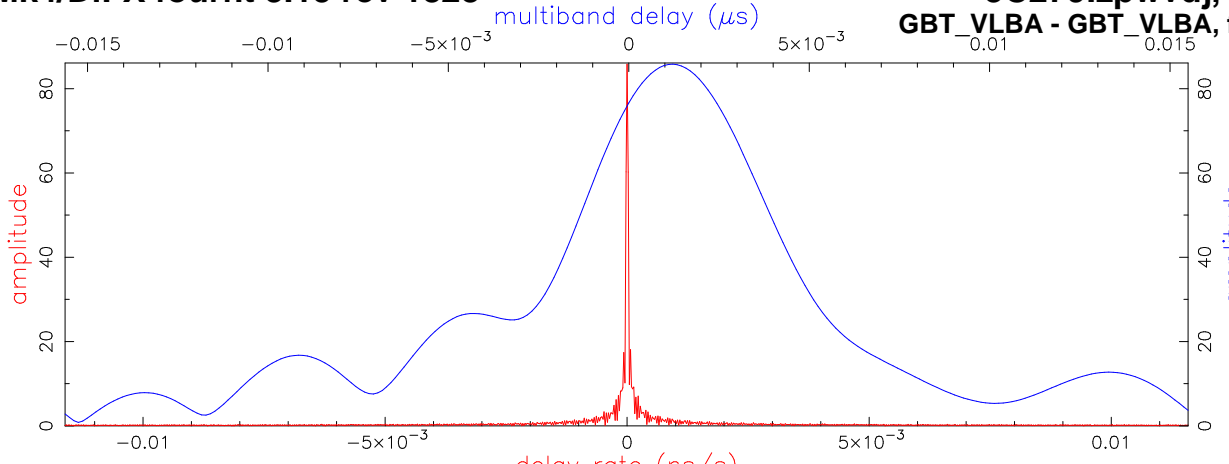


Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec



86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Phase	0.0
10000.0	10000.0	10000.0	10000.0	10000.0	10000.0	10000.0	10000.0	Ampl.	10000.0
129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	Sbd box	129.0
U/L 0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
G -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G:G 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:G 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
G 1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
G 1000	1000	1000	1000	1000	1000	1000	1000		
G W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
G W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	
G W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
G W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	
Group delay (usec)(sbd)	0.0000000000E+00	Apriori delay (usec)	0.0000000000E+00	Resid mbdelay (usec)	0.000000E+00	+/-	7.4E-09		
Sband delay (usec)	0.0000000000E+00	Apriori clock (usec)	0.000000E+00	Resid sbdelay (usec)	0.000000E+00	+/-	5.9E-08		
Phase delay (usec)	0.0000000000E+00	Apriori clockrate (us/s)	0.000000E+00	Resid phdelay (usec)	0.000000E+00	+/-	1.3E-11		
Delay rate (us/s)	0.0000000000E+00	Apriori rate (us/s)	0.0000000000E+00	Resid rate (us/s)	0.000000E+00	+/-	9.6E-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 0.0 Theor. Amplitude 10000.000 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 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 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 0.0 0.0 Inc. seg. avg. 10000.000 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 G: az 165.5 el 44.7 pa -11.0 G: az 165.5 el 44.7 pa -11.0 u,v (fr/asec) 0.000 0.000 ion window (TEC) 0.00 0.00
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/GG..zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/GG.W.214.zpwwdj simultaneous interpolator



Fringe quality 6

SNR 2519.6

Int time 228.985

Amp 86.108

Phase 120.2

PFD 0.0e+00

Delays (us)

SBD -0.013999

MBD 0.001215

Fringe rate (Hz)

-0.000004

Ion TEC 0.000

Ref freq (MHz)

86140.0000

AP (sec) 0.500

Exp. c171a

Exper # 16383

Yr:day 2017:090

Start 050011.00

Stop 050400.00

FRT 050205.00

Corr/FF/build

2017:208:015052

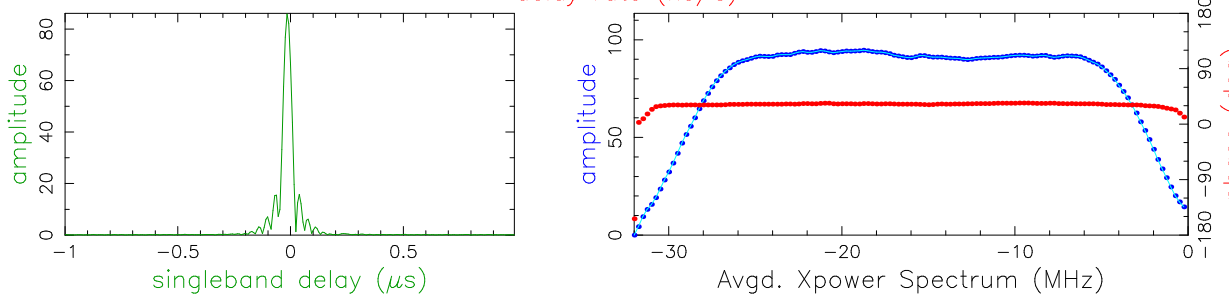
2017:215:024740

2017:188:152524

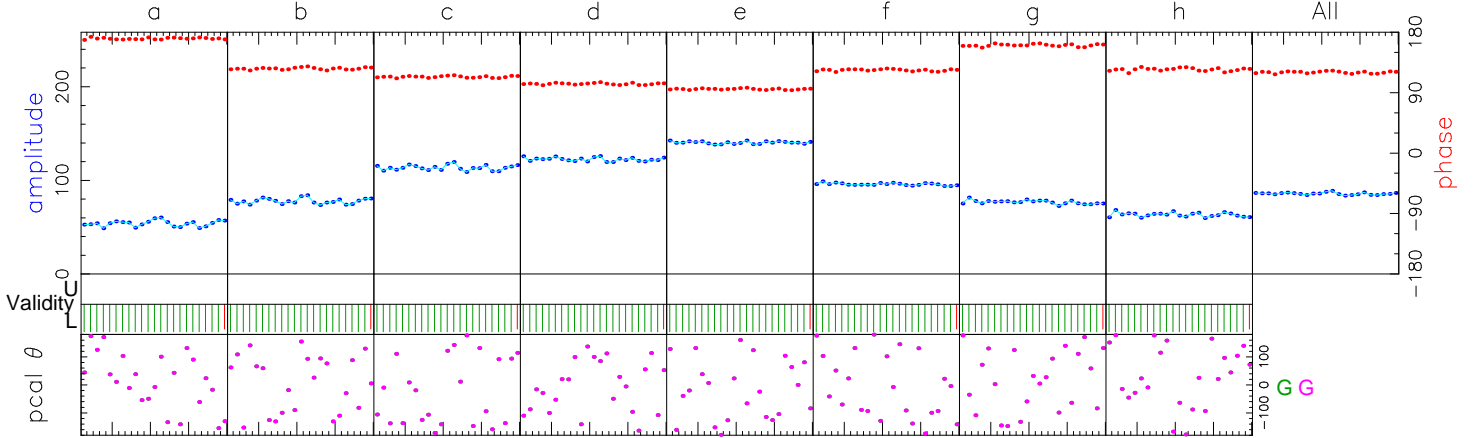
RA & Dec (J2000)

12h56m11.1666s

-5°47'21.525"



Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec



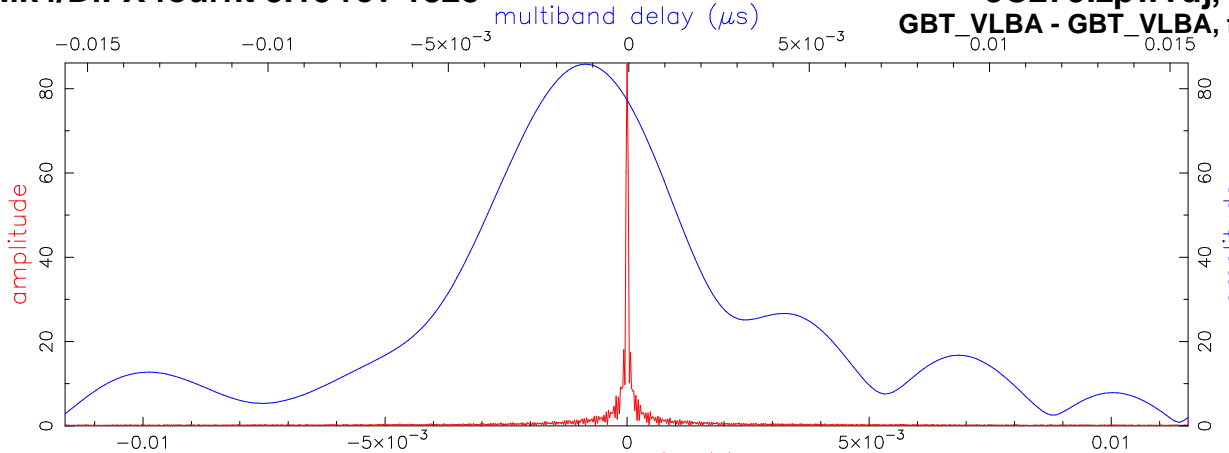
86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
170.4	125.8	113.5	103.0	95.2	123.5	160.5	124.4	Phase	120.2
54.0	77.9	113.6	122.5	140.4	95.9	76.8	63.3	Ampl.	93.0
126.2	127.1	127.0	127.0	127.3	127.4	127.0	127.4	Sbd box	127.2
U/L 0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
G -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G:G 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:G 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
G 1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
G 1000	1000	1000	1000	1000	1000	1000	1000		
G W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
G W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	
								Chan ids	
								Tracks	

Group delay (usec)(sbd)	1.21481250000E-03	Apriori delay (usec)	0.00000000000E+00	Resid mbdelay (usec)	1.21481E-03	+/-	8.6E-07
Sband delay (usec)	-1.39990000000E-02	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	-1.39990E-02	+/-	6.8E-06
Phase delay (usec)	3.87722869644E-06	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	3.87723E-06	+/-	1.5E-09
Delay rate (us/s)	-5.07894125842E-11	Apriori rate (us/s)	0.00000000000E+00	Resid rate (us/s)	-5.07894E-11	+/-	1.1E-11
Total phase (deg)	120.2	Apriori accel (us/s/s)	0.00000000000E+00	Resid phase (deg)	120.2	+/-	0.0

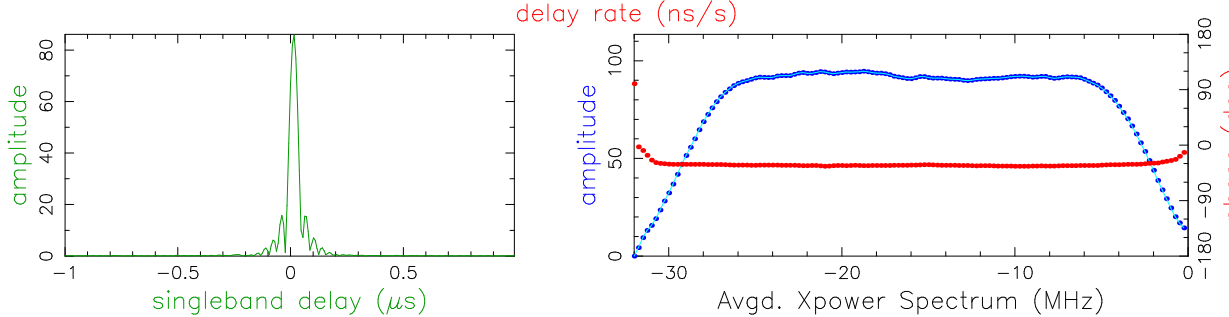
ph/seg (deg)	1.5	Theor.	0.1	Amplitude	86.108 +/- 0.034	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5
amp/seg (%)	1.4		0.2	Search (1024X32)	85.497	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000
ph/frq (deg)	29.3		0.1	Inc. seg. avg.	85.852	Bits/sample:	2x2	SampCntNorm:	enabled
amp/frq (%)	33.9		0.1	Inc. frq. avg.	93.038	Sample rate (MSamp/s):	64	mb window (us)	-0.016 0.016
						Data rate (Mb/s):	1024	dr window (ns/s)	-0.012 0.012
						nlags:	128	t_cohere	infinite
								ion window (TEC)	0.00 0.00

G: az 165.5 el 44.7 pa -11.0 G: az 165.5 el 44.7 pa -11.0 u,v (fr/asec) 0.000 0.000 simultaneous interpolator

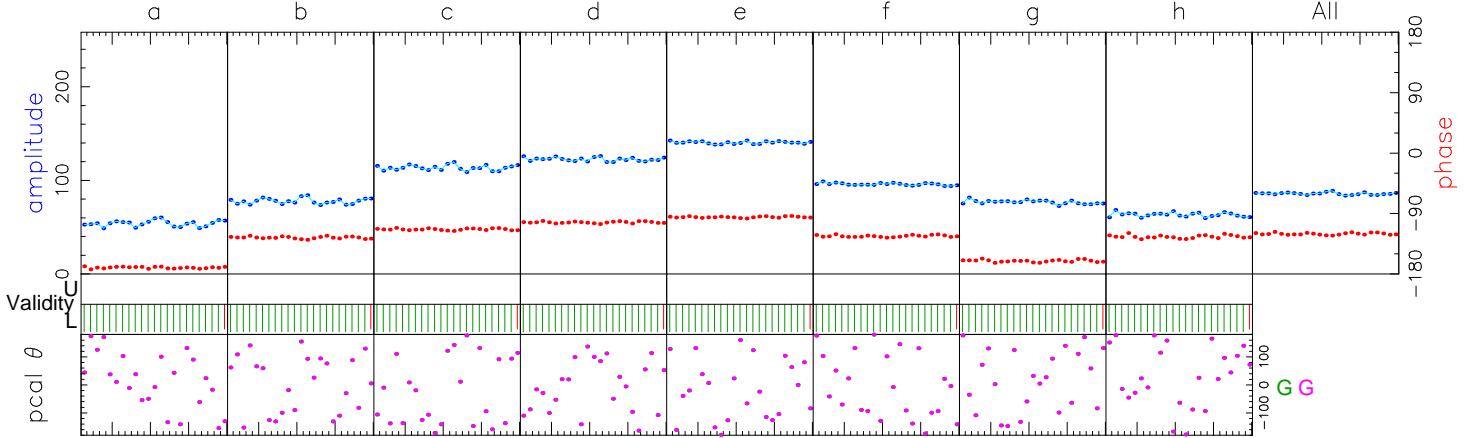
Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/GG..zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/GG.W.215.zpwwdj



Fringe quality 6
 SNR 2519.6
 Int time 228.985
 Amp 86.108
 Phase -120.2
 PFD 0.0e+00
 Delays (us)
 SBD 0.013999
 MBD -0.001215
 Fringe rate (Hz) 0.000004
 Ion TEC 0.000
 Ref freq (MHz) 86140.0000
 AP (sec) 0.500
 Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050011.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024741
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"



Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec

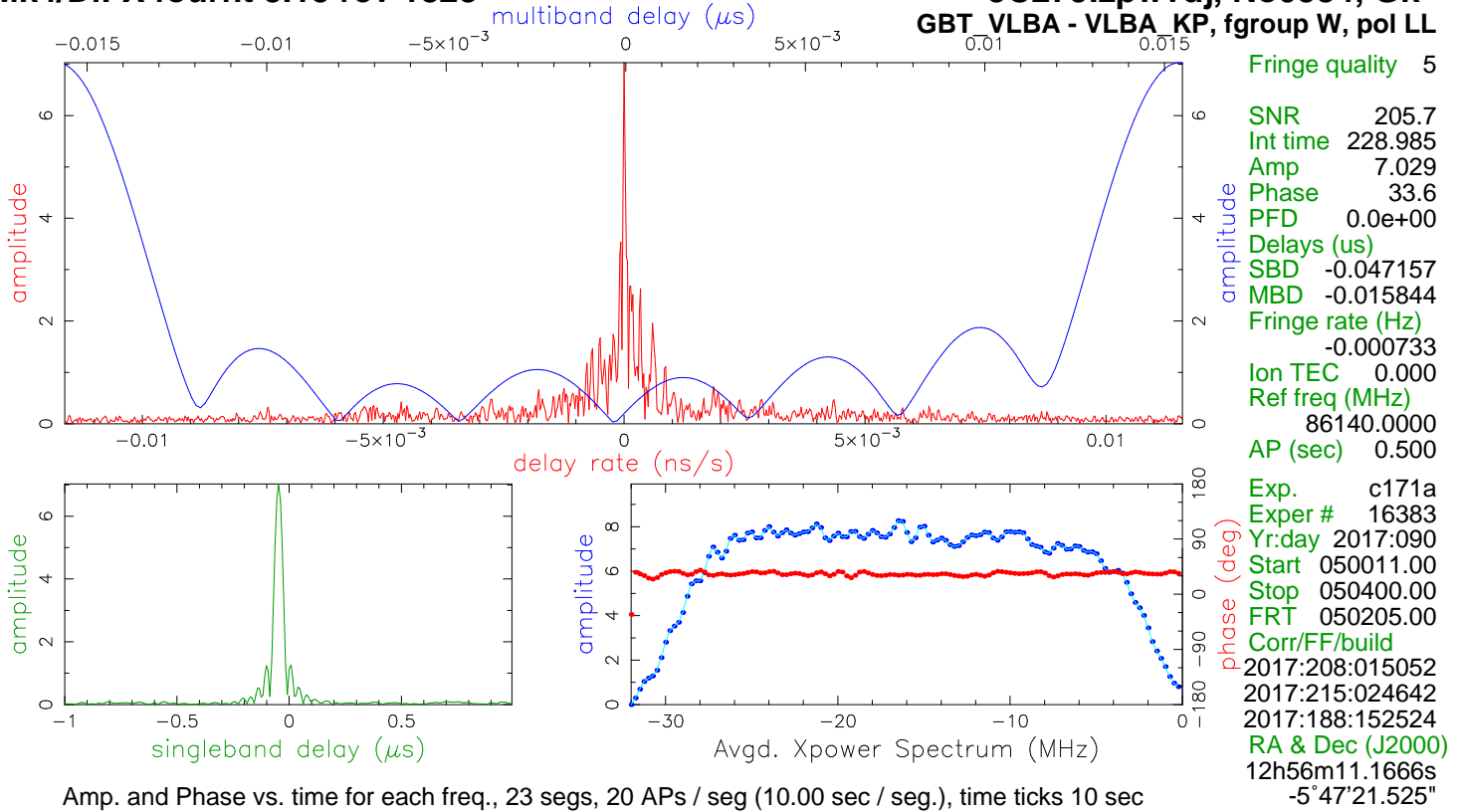


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	-170.4	-125.8	-113.5	-103.0	-95.2	-123.5	-160.5	-124.4	Phase	-120.2
	54.0	77.9	113.6	122.5	140.4	95.9	76.8	63.3	Ampl.	93.0
	131.8	130.9	131.0	131.0	130.7	130.6	131.0	130.6	Sbd box	130.8
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
G	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
G	1000	1000	1000	1000	1000	1000	1000	1000		
G	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
G	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
									Chan ids	
									Tracks	

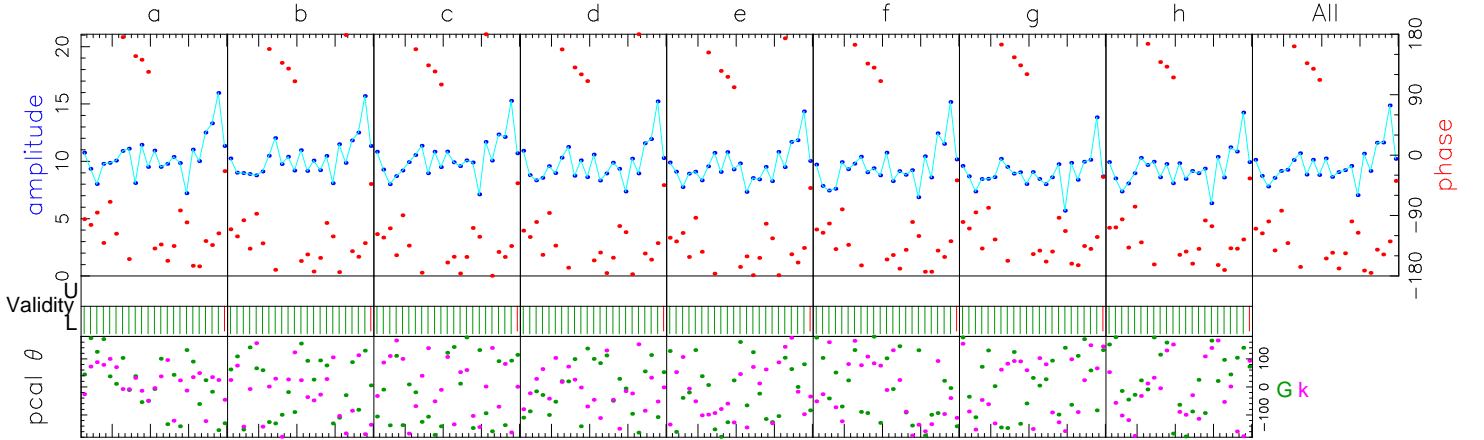
Group delay (usec)(sbd)	-1.21481250000E-03	Apriori delay (usec)	0.00000000000E+00	Resid mbdelay (usec)	-1.21481E-03	+/-	8.6E-07
Sband delay (usec)	1.39990000000E-02	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	1.39990E-02	+/-	6.8E-06
Phase delay (usec)	-3.87722869653E-06	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	-3.87723E-06	+/-	1.5E-09
Delay rate (us/s)	5.07894125842E-11	Apriori rate (us/s)	0.00000000000E+00	Resid rate (us/s)	5.07894E-11	+/-	1.1E-11
Total phase (deg)	-120.2	Apriori accel (us/s/s)	0.00000000000E+00	Resid phase (deg)	-120.2	+/-	0.0

ph/seg (deg)	1.5	Theor.	0.1	Amplitude	86.108 +/- 0.034	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5
amp/seg (%)	1.4		0.2	Search (1024X32)	85.497	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000
ph/frq (deg)	29.3		0.1	Inc. seg. avg.	85.852	Bits/sample:	2x2	SampCntNorm:	enabled
amp/frq (%)	33.9		0.1	Inc. frq. avg.	93.038	Sample rate(MSamp/s):	64	mb window (us)	-0.016 0.016
						Data rate(Mb/s):	1024	dr window (ns/s)	-0.012 0.012
						nlags:	128	ion window (TEC)	0.00 0.00

G: az 165.5 el 44.7 pa -11.0 G: az 165.5 el 44.7 pa -11.0 u,v (fr/asec) 0.000 0.000 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/GG..zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/GG.W.216.zpwwdj

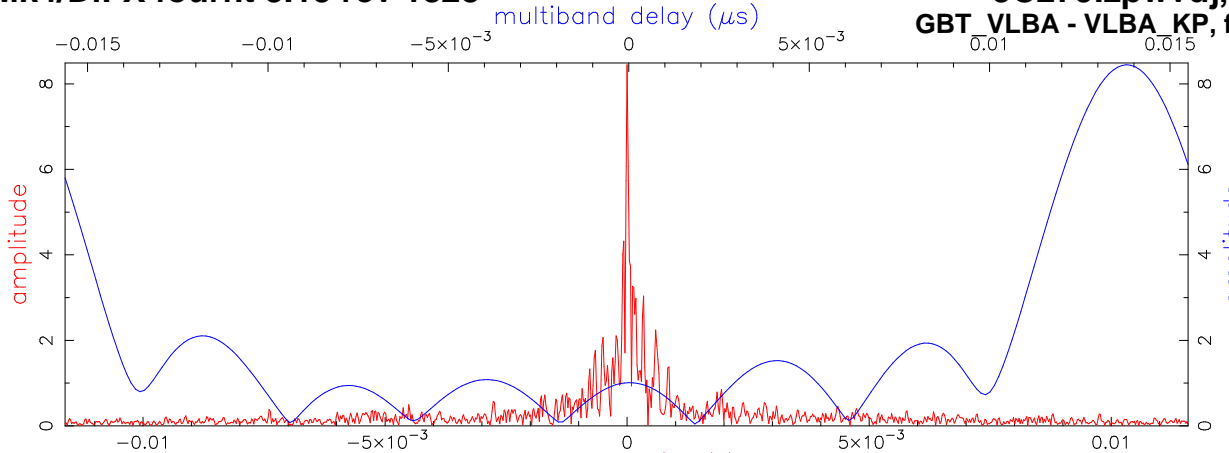


Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec

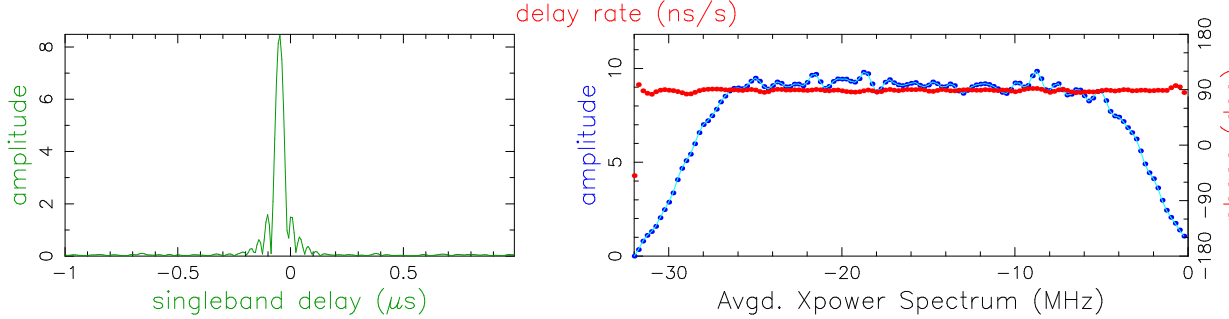


86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
-133.8	-149.4	-153.1	-150.1	-156.6	-146.7	-139.9	-141.5	Phase	-146.4
7.5	7.5	7.5	7.1	6.9	6.9	6.5	6.8	Ampl.	7.1
122.8	122.9	123.0	123.0	123.0	123.1	123.1	122.9	Sbd box	123.0
U/L 0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
G -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
k -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G:k 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:k 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
G 1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
k 1000	1000	1000	1000	1000	1000	1000	1000		
G W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
k W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
Group delay (usec)(sbd)		2.70470513654E+03	Apriori delay (usec)		2.70475223010E+03	Resid mbdelay (usec)		-1.58436E-02	+/- 1.1E-05
Sband delay (usec)		2.70470507310E+03	Apriori clock (usec)		-8.1979284E+00	Resid sbdelay (usec)		-4.71570E-02	+/- 8.4E-05
Phase delay (usec)		2.70475222538E+03	Apriori clockrate (us/s)		2.3401918E-07	Resid phdelay (usec)		-4.72242E-06	+/- 1.8E-08
Delay rate (us/s)		-6.63779226825E-01	Apriori rate (us/s)		-6.63779218316E-01	Resid rate (us/s)		-8.50940E-09	+/- 1.4E-10
Total phase (deg)		69.9	Apriori accel (us/s/s)		-1.54922608524E-05	Resid phase (deg)		33.6	+/- 0.6

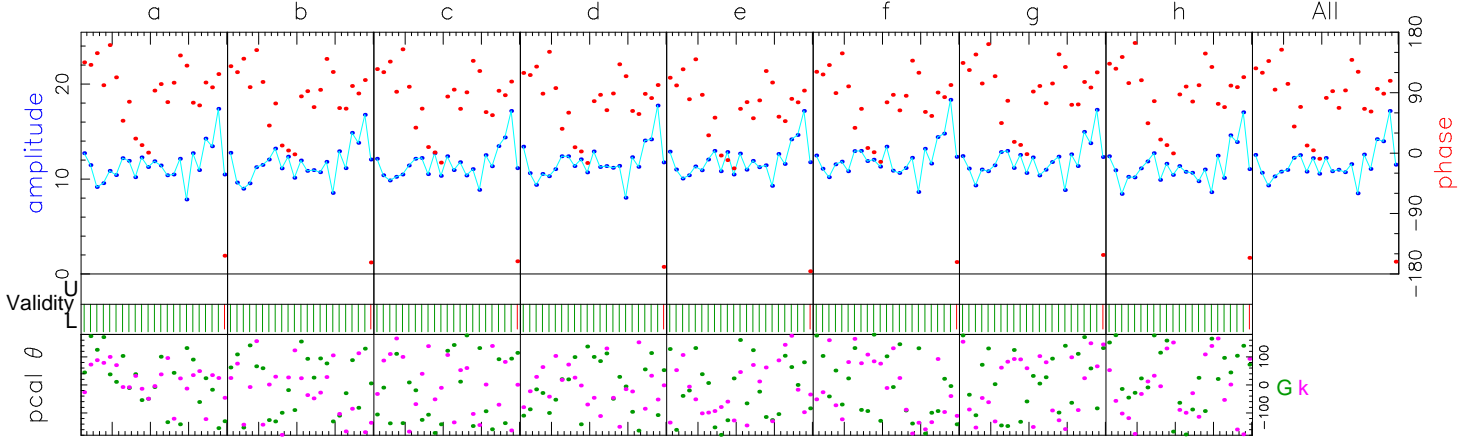
ph/seg (deg)	RMS 47.5	Theor. 1.3	Amplitude 7.029 +/- 0.034	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-1.000	1.000
amp/seg (%)	44.5	2.3	Search (1024X32) 6.665	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		mb window (us)	-0.016	0.016
ph/frq (deg)	8.1	0.8	Interp. 0.000	Bits/sample: 2x2	SampCntNorm: enabled	dr window (ns/s)	-0.012	0.012
amp/frq (%)	4.8	1.4	Inc. seg. avg. 9.748	Sample rate(MSamp/s): 64		ion window (TEC)	0.00	0.00
			Inc. frq. avg. 7.081	Data rate(Mb/s): 1024	nlags: 128 t_cohere infinite			



Fringe quality 5
SNR 248.4
Int time 228.985
Amp 8.489
Phase 449.7
PFD 0.0e+00
Delays (us)
SBD -0.048870
MBD 0.013800
Fringe rate (Hz) -0.000766
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.500
Exp. c171a
Exper # 16383
Yr:day 2017:090
Start 050011.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052
2017:215:024643
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"

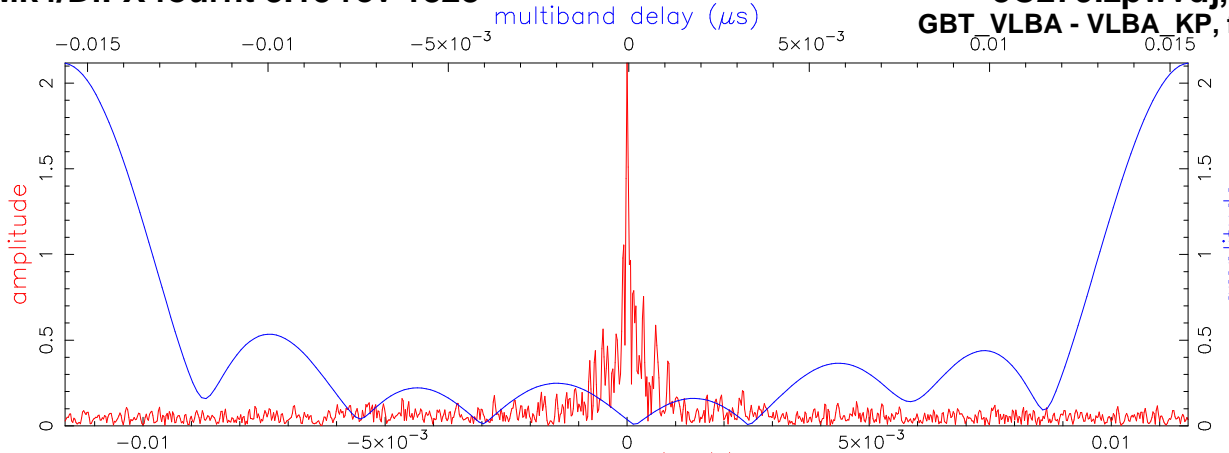


Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec

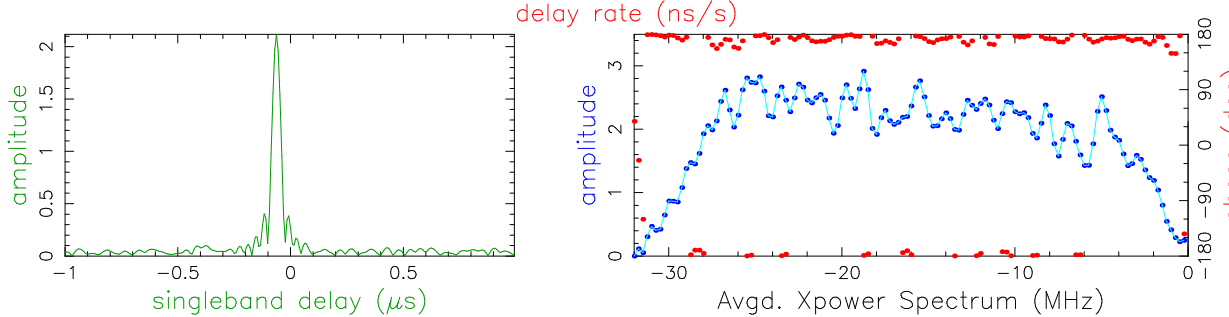


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	99.1	91.8	87.7	84.0	75.0	85.1	98.6	97.0	Phase	89.7
	8.4	8.5	8.3	8.7	8.7	8.8	8.6	8.3	Ampl.	8.5
	122.6	122.7	122.8	122.7	122.8	122.9	122.8	122.6	Sbd box	122.7
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
k	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G:k	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:k	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
G	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
k	1000	1000	1000	1000	1000	1000	1000	1000		
G	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
k	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	2.70470352979E+03		Apriori delay (usec)		2.70475223010E+03		Resid mbdelay (usec)		1.37997E-02	+/- 8.7E-06
Sband delay (usec)	2.70470336060E+03		Apriori clock (usec)		-8.1979284E+00		Resid sbdelay (usec)		-4.88695E-02	+/- 6.9E-05
Phase delay (usec)	2.70475223299E+03		Apriori clockrate (us/s)		2.3401918E-07		Resid phdelay (usec)		2.89249E-06	+/- 1.5E-08
Delay rate (us/s)	-6.63779227202E-01		Apriori rate (us/s)		-6.63779218316E-01		Resid rate (us/s)		-8.88670E-09	+/- 1.1E-10
Total phase (deg)	486.1		Apriori accel (us/s/s)		-1.54922608524E-05		Resid phase (deg)		449.7	+/- 0.5

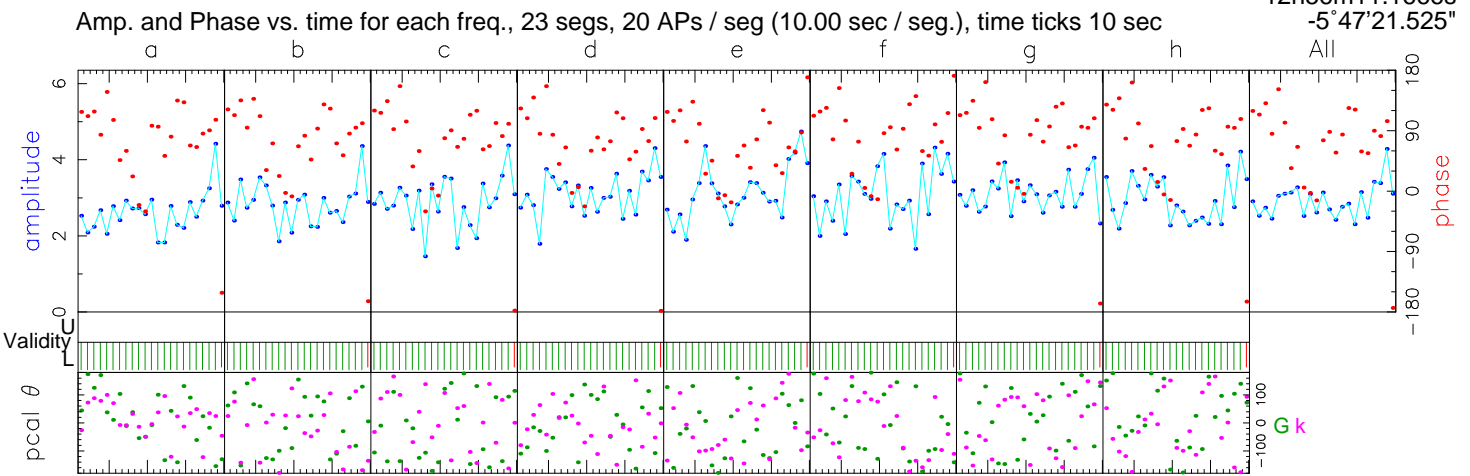
ph/seg (deg) 47.3 1.1 Search (1024X32) 8.001 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 42.6 1.9 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 9.1 0.7 Inc. seg. avg. 11.660 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 2.2 1.1 Inc. frq. avg. 8.528 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 G: az 165.5 el 44.7 pa -11.0 k: az 125.6 el 34.9 pa -43.7 u,v (fr/asec) 3810.725 939.717 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/Gk.zpvdj Output file: /Exps/c171a/gmva/1234/No0584/Gk.W.162.zpvdj



Fringe quality 5
 SNR 62.0
 Int time 228.985
 Amp 2.118
 Phase 445.2
 PFD 0.0e+00
 Delays (us)
 SBD -0.062719
 MBD -0.015702
 Fringe rate (Hz)
 -0.000718
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.500
 Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050011.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024644
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"



Amplitude vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec



86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
87.3	89.4	88.6	82.8	68.9	84.9	91.9	88.5	Phase	85.2
1.8	2.1	2.1	2.2	2.3	2.1	2.4	2.0	Ampl.	2.1
121.0	121.0	121.0	120.8	121.0	121.2	121.2	120.6	Sbd box	121.0
U/L 0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
G -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
k -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G:k 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:k 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
G 1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
k 1000	1000	1000	1000	1000	1000	1000	1000		
G W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
k W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	
								Chan ids	
								Tracks	
Group delay (usec)(sbd)	2.70467402829E+03		Apriori delay (usec)	2.70475223010E+03		Resid mbdelay (usec)	-1.57018E-02	+/-	3.5E-05
Sband delay (usec)	2.70468951160E+03		Apriori clock (usec)	-8.1979284E+00		Resid sbdelay (usec)	-6.27185E-02	+/-	2.8E-04
Phase delay (usec)	2.70475223285E+03		Apriori clockrate (us/s)	2.3401918E-07		Resid phdelay (usec)	2.74763E-06	+/-	6.0E-08
Delay rate (us/s)	-6.63779226655E-01		Apriori rate (us/s)	-6.63779218316E-01		Resid rate (us/s)	-8.33962E-09	+/-	4.5E-10
Total phase (deg)		481.6	Apriori accel (us/s/s)	-1.54922608524E-05		Resid phase (deg)	445.2	+/-	1.8

ph/seg (deg) 46.9 4.4
 amp/seg (%) 43.5 7.7
 ph/frq (deg) 7.8 2.6
 amp/frq (%) 6.8 4.6

RMS Theor. Amplitude 2.118 +/- 0.034
 Search (1024X32) 2.020
 Interp. 0.000
 Inc. seg. avg. 2.923
 Inc. frq. avg. 2.131

Group delay (usec)(sbd) 2.70467402829E+03
 Sband delay (usec) 2.70468951160E+03
 Phase delay (usec) 2.70475223285E+03
 Delay rate (us/s) -6.63779226655E-01
 Total phase (deg) 481.6

Apriori delay (usec) 2.70475223010E+03
 Apriori clock (usec) -8.1979284E+00
 Apriori clockrate (us/s) 2.3401918E-07
 Apriori rate (us/s) -6.63779218316E-01
 Apriori accel (us/s/s) -1.54922608524E-05

Resid mbdelay (usec) -1.57018E-02
 Resid sbdelay (usec) -6.27185E-02
 Resid phdelay (usec) 2.74763E-06
 Resid rate (us/s) -8.33962E-09
 Resid phase (deg) 445.2

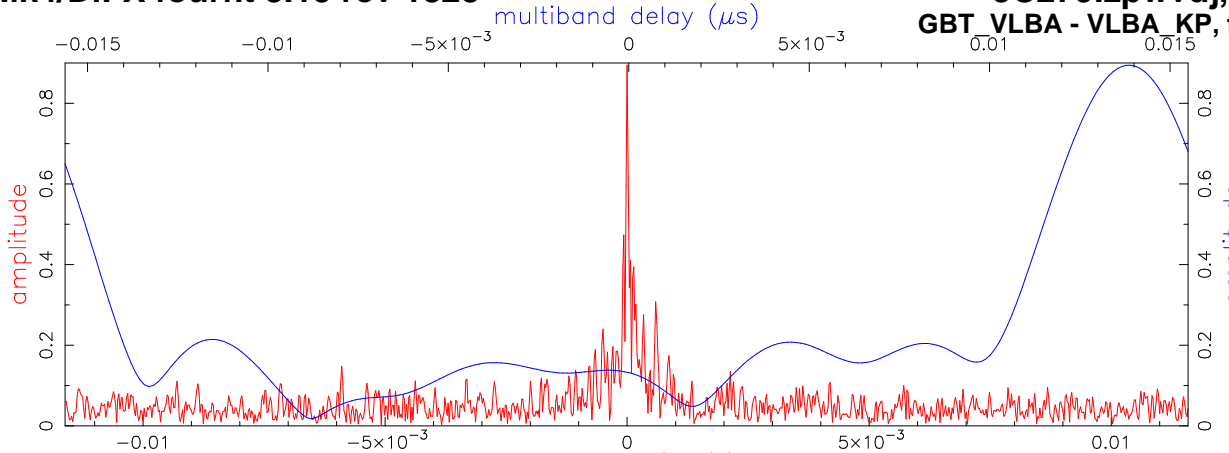
PCal mode: MANUAL, MANUAL
 PCal rate: 0.000E+00, 0.000E+00 (us/s)
 Bits/sample: 2x2
 Sample rate(MSamp/s): 64
 Data rate(Mb/s): 1024

PC period (AP's) 5, 5
 sb window (us) -1.000 1.000
 SampCntNorm: enabled
 mb window (us) -0.016 0.016
 dr window (ns/s) -0.012 0.012
 ion window (TEC) 0.00 0.00

nlags: 128 t_cohere infinite

G: az 165.5 el 44.7 pa -11.0 k: az 125.6 el 34.9 pa -43.7 u,v (fr/asec) 3810.725 939.717 simultaneous interpolator

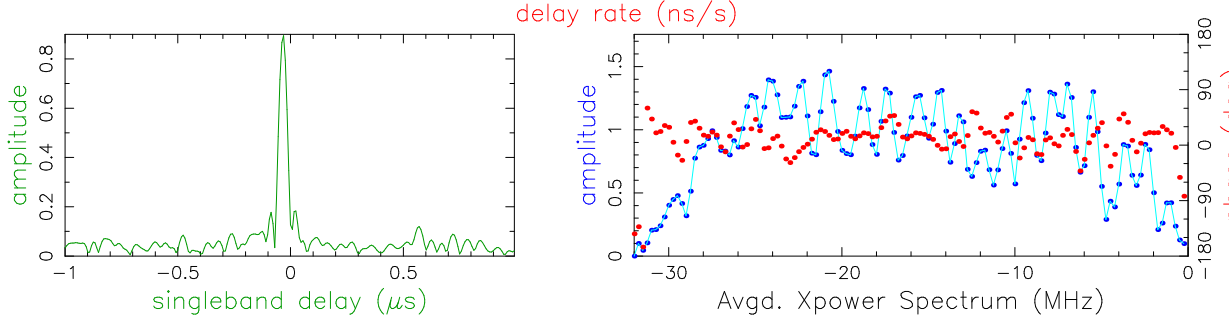
Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/Gk..zpvdj Output file: /Exps/c171a/gmva/1234/No0584/Gk.W.163.zpvdj



Fringe quality 7

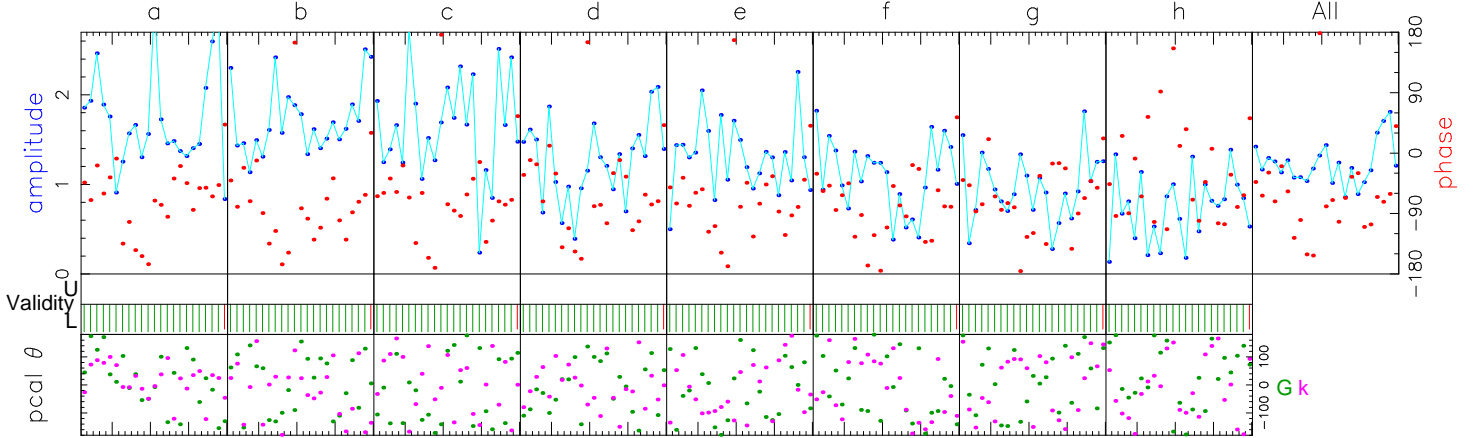
SNR 26.3
Int time 228.985
Amp 0.900
Phase 285.3
PFD 0.0e+00
Delays (us)
SBD -0.033446
MBD 0.013844
Fringe rate (Hz)
-0.000880
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.500

Exp. c171a
Exper # 16383
Yr:day 2017:090
Start 050011.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052
2017:215:024645
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"



Avgd. Xpower Spectrum (MHz)

Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec



	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	-64.7	-88.2	-77.9	-61.2	-82.0	-86.1	-66.0	-63.9	Phase	-74.7
	1.3	1.1	1.2	0.8	0.9	0.7	0.4	0.4	Ampl.	0.9
	124.5	124.5	124.9	124.8	124.9	125.1	124.9	124.3	Sbd box	124.7
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
k	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G:k	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:k	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
G	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
k	1000	1000	1000	1000	1000	1000	1000	1000		
G	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
k	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	

Group delay (usec)(sbd) 2.70470357416E+03 Apriori delay (usec) 2.70475223010E+03 Resid mbdelay (usec) 1.38441E-02 +/- 8.2E-05

Sband delay (usec) 2.70471878410E+03 Apriori clock (usec) -8.1979284E+00 Resid sbdelay (usec) -3.34460E-02 +/- 6.5E-04

Phase delay (usec) 2.70475222769E+03 Apriori clockrate (us/s) 2.3401918E-07 Resid phdelay (usec) -2.40820E-06 +/- 1.4E-07

Delay rate (us/s) -6.63779228536E-01 Apriori rate (us/s) -6.63779218316E-01 Resid rate (us/s) -1.02203E-08 +/- 1.1E-09

Total phase (deg) 321.7 Apriori accel (us/s/s) -1.54922608524E-05 Resid phase (deg) 285.3 +/- 4.4

RMS Theor. Amplitude 0.900 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5

ph/seg (deg) 47.6 10.4 Search (1024X32) 0.826 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000

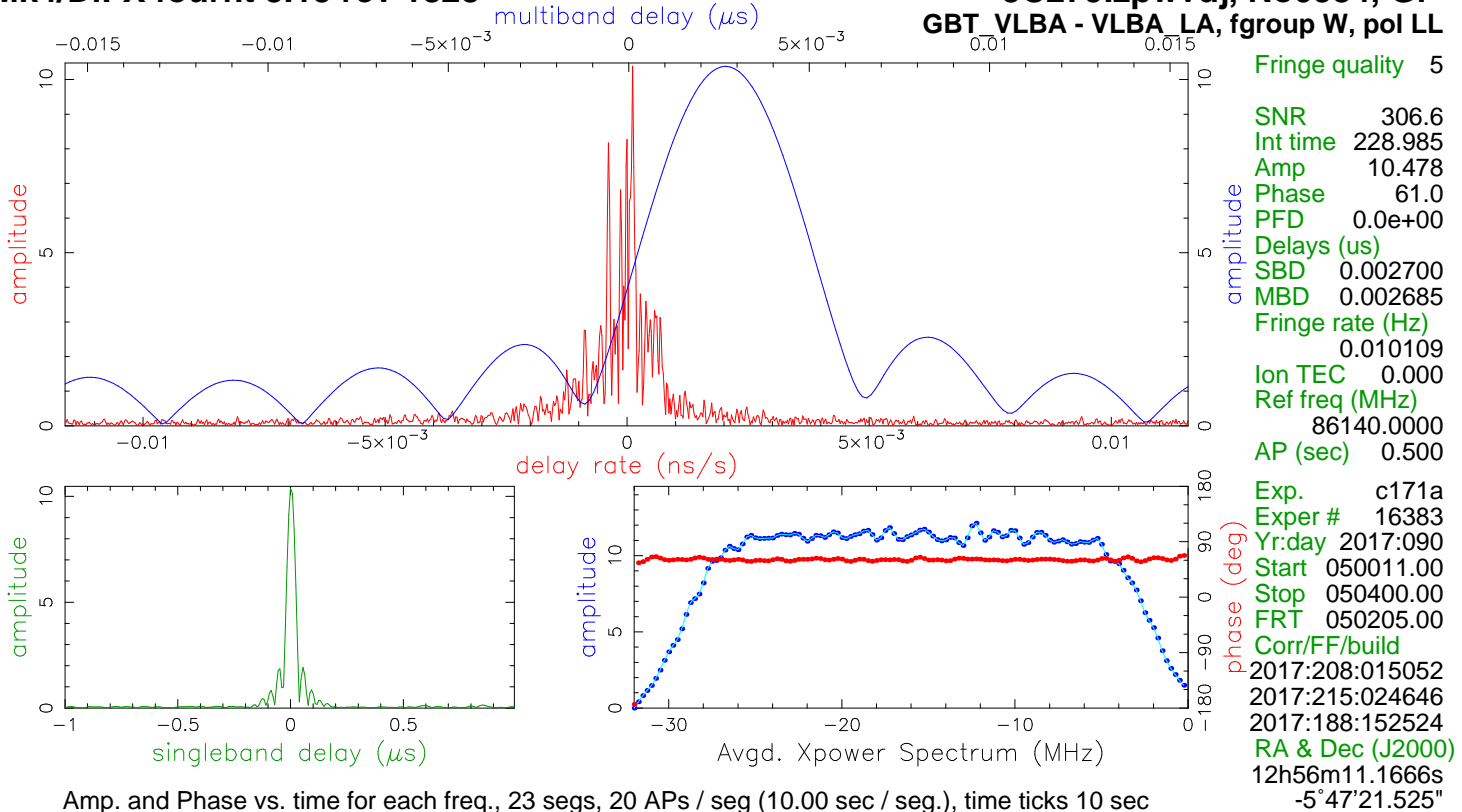
amp/seg (%) 45.1 18.2 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016

ph/frq (deg) 11.9 6.2 Inc. seg. avg. 1.213 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012

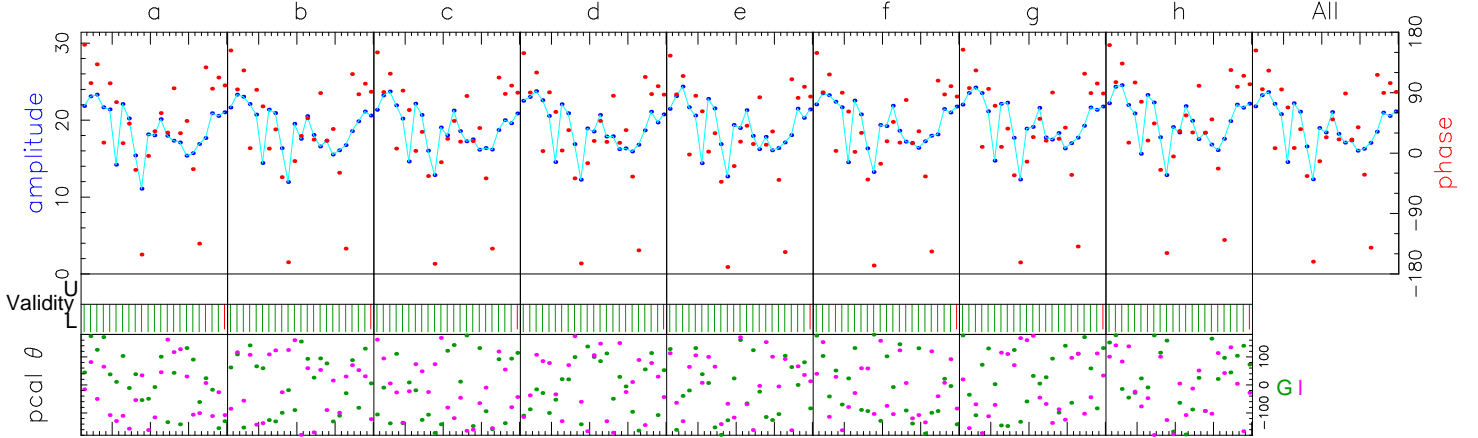
amp/frq (%) 30.8 10.7 Inc. frq. avg. 0.904 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite ion window (TEC) 0.00 0.00

G: az 165.5 el 44.7 pa -11.0 k: az 125.6 el 34.9 pa -43.7 u,v (fr/asec) 3810.725 939.717 simultaneous interpolator

Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/Gk..zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/Gk.W.164.zpwwdj



Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec

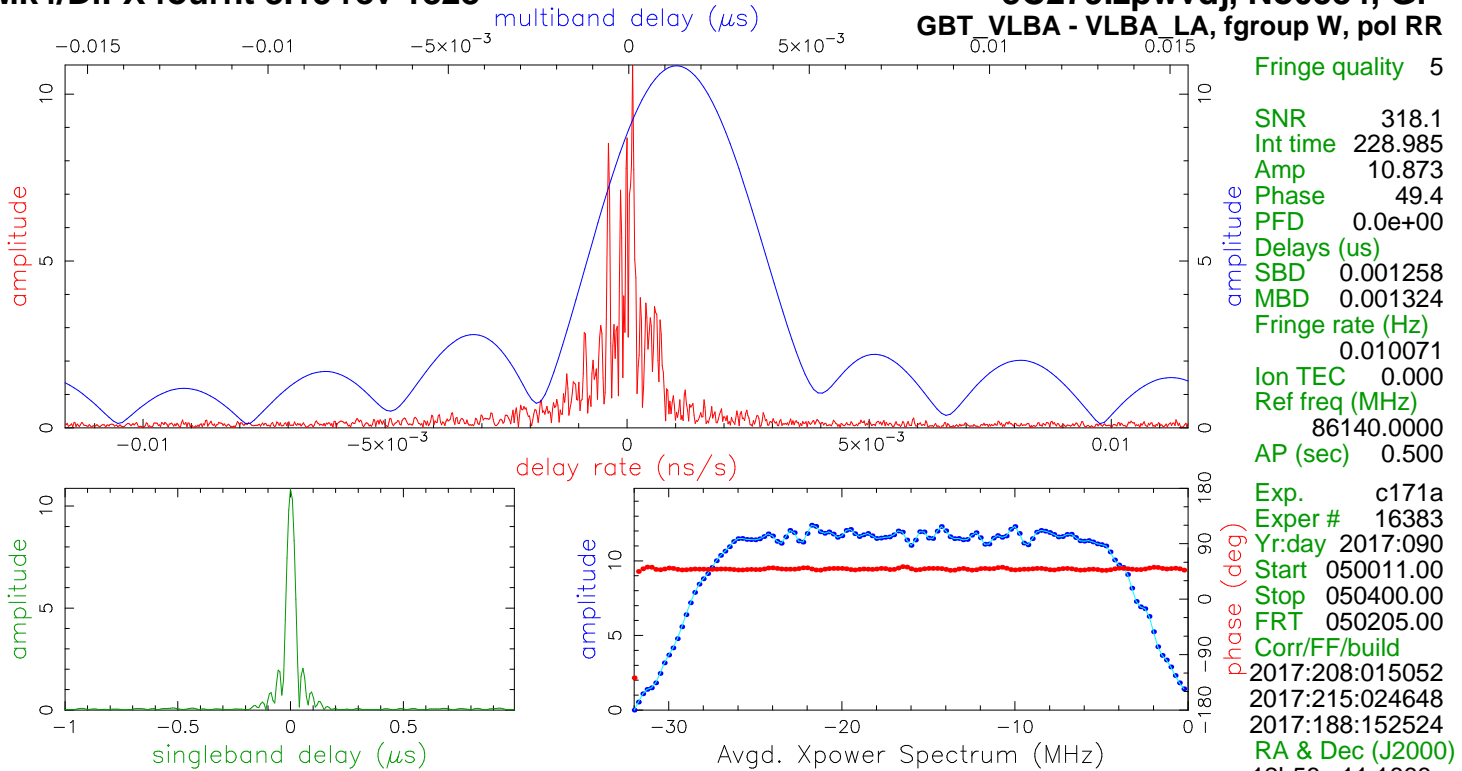


86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
70.5	61.0	57.9	57.5	53.5	55.6	61.3	70.6	Phase	61.0
10.2	10.2	10.4	10.3	10.4	10.6	10.7	10.7	Ampl.	10.4
129.2	129.3	129.4	129.3	129.3	129.4	129.4	129.5	Sbd box	129.3
U/L 0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
G -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
I -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G:I 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:I 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
G 1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
I 1000	1000	1000	1000	1000	1000	1000	1000		
G W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
I W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
								Chan ids	
								Tracks	
Group delay (usec)(sbd)	2.40053170637E+03		Apriori delay (usec)	2.40052902092E+03		Resid mbdelay (usec)	2.68546E-03	+/-	7.1E-06
Sband delay (usec)	2.40053172142E+03		Apriori clock (usec)	-6.9898667E+00		Resid sbdelay (usec)	2.70050E-03	+/-	5.6E-05
Phase delay (usec)	2.40052902288E+03		Apriori clockrate (us/s)	3.3261311E-07		Resid phdelay (usec)	1.96729E-06	+/-	1.2E-08
Delay rate (us/s)	-5.34513732521E-01		Apriori rate (us/s)	-5.34513849871E-01		Resid rate (us/s)	1.17350E-07	+/-	9.1E-11
Total phase (deg)		11.2	Apriori accel (us/s/s)	-1.32285678582E-05		Resid phase (deg)	61.0	+/-	0.4

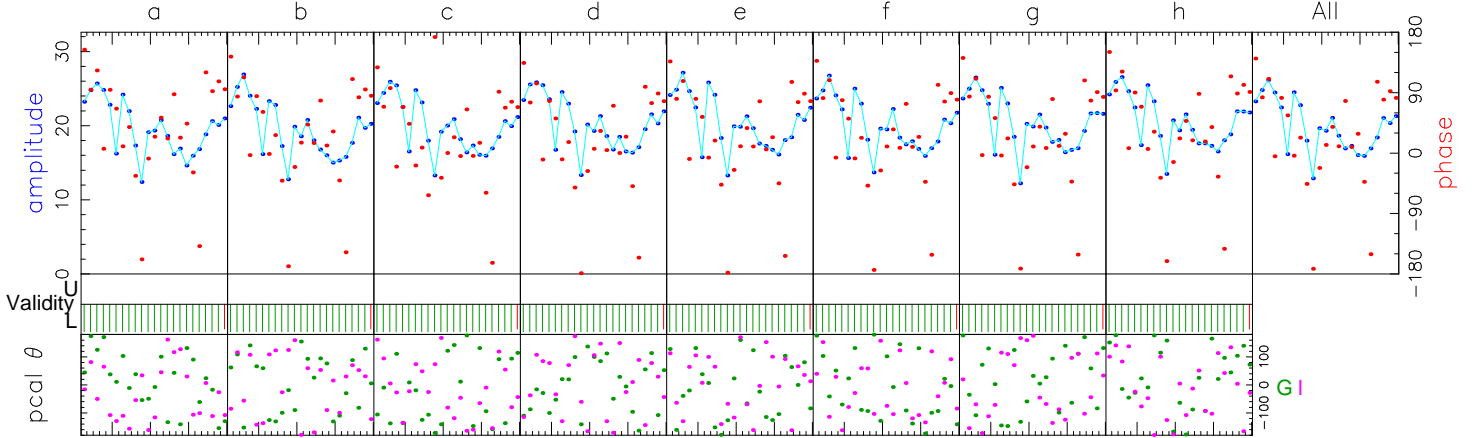
RMS Theor. Amplitude 10.478 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 66.3 0.9 Search (1024X32) 10.172 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 amp/seg (%) 86.8 1.6 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 ph/frq (deg) 7.0 0.5 Inc. seg. avg. 19.114 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 amp/frq (%) 1.7 0.9 Inc. frq. avg. 10.440 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite ion window (TEC) 0.00 0.00

G: az 165.5 el 44.7 pa -11.0 I: az 132.7 el 35.9 pa -36.5 u,v (fr/asec) 3067.934 433.572 simultaneous interpolator

Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/GI.zpvdj Output file: /Exps/c171a/gmva/1234/No0584/GI.W.165.zpvdj

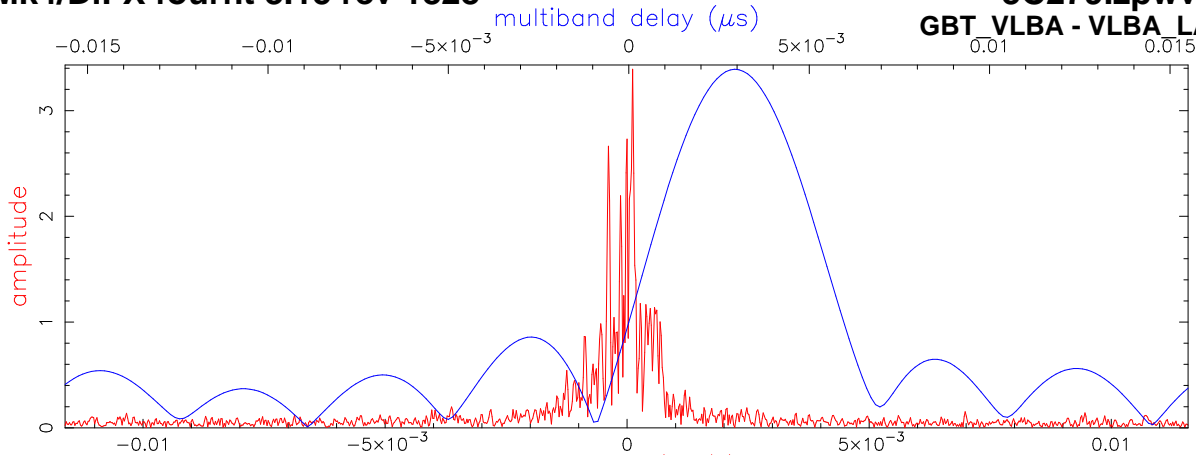


Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec



	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
62.6	52.9	35.1	43.4	46.7	46.5	49.1	59.3	59.3	Phase	49.4
10.7	10.7	10.7	11.1	11.1	11.0	11.0	11.2	11.2	Ampl.	11.0
129.0	129.0	129.1	129.3	129.2	129.1	129.3	129.2	129.2	Sbd box	129.2
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
I	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G:I	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:I	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
G	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
I	1000	1000	1000	1000	1000	1000	1000	1000		
G	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
I	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	2.40053034444E+03		Apriori delay (usec)	2.40052902092E+03		Resid mbdelay (usec)	1.32352E-03	+/-	6.8E-06	
Sband delay (usec)	2.40053027892E+03		Apriori clock (usec)	-6.9898667E+00		Resid sbdelay (usec)	1.25800E-03	+/-	5.4E-05	
Phase delay (usec)	2.40052902251E+03		Apriori clockrate (us/s)	3.3261311E-07		Resid phdelay (usec)	1.59450E-06	+/-	1.2E-08	
Delay rate (us/s)	-5.34513732961E-01		Apriori rate (us/s)	-5.34513849871E-01		Resid rate (us/s)	1.16910E-07	+/-	8.8E-11	
Total phase (deg)		359.7	Apriori accel (us/s/s)	-1.32285678582E-05		Resid phase (deg)	49.4	+/-	0.4	

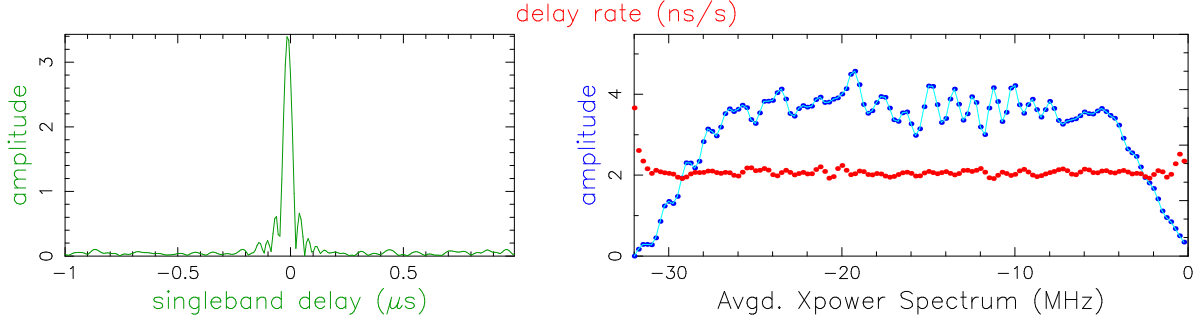
ph/seg (deg) 66.5 0.9 Theor. Amplitude 10.873 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 88.9 1.5 Search (1024X32) 10.608 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 9.5 0.5 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 1.9 0.9 Inc. seg. avg. 19.926 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 Inc. frq. avg. 10.960 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite ion window (TEC) 0.00 0.00
 G: az 165.5 el 44.7 pa -11.0 I: az 132.7 el 35.9 pa -36.5 u,v (fr/asec) 3067.934 433.572 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/GI.zpvdj Output file: /Exps/c171a/gmva/1234/No0584/GI.W.166.zpvdj



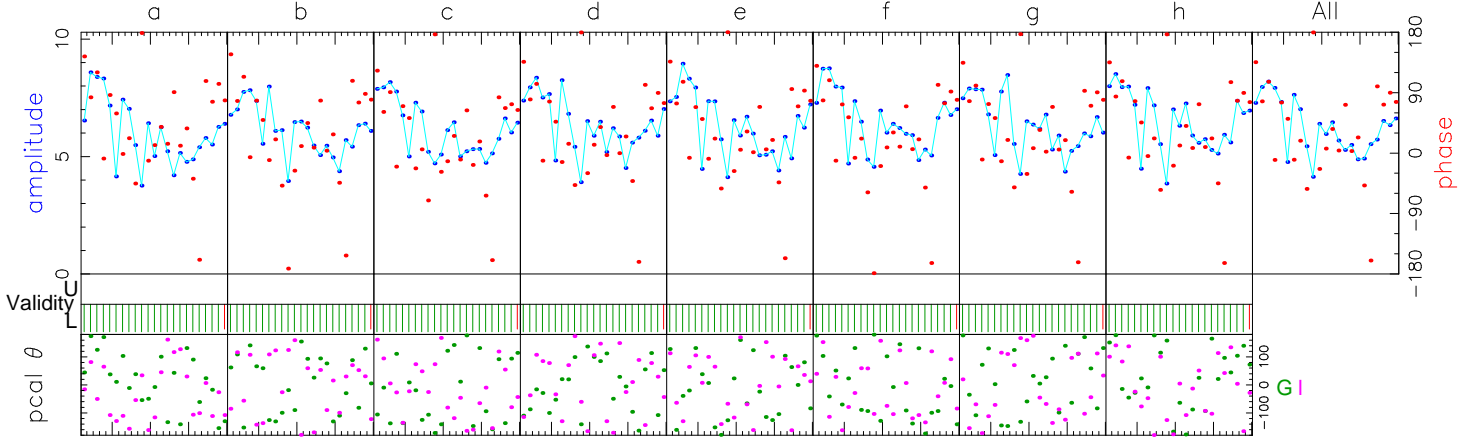
Fringe quality 5

SNR 100.4
Int time 228.985
Amp 3.432
Phase 44.7
PFD 0.0e+00
Delays (us)
SBD -0.012549
MBD 0.002951
Fringe rate (Hz) 0.010157
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.500

Exp. c171a
Exper # 16383
Yr:day 2017:090
Start 050011.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052
2017:215:024649
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"



Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec

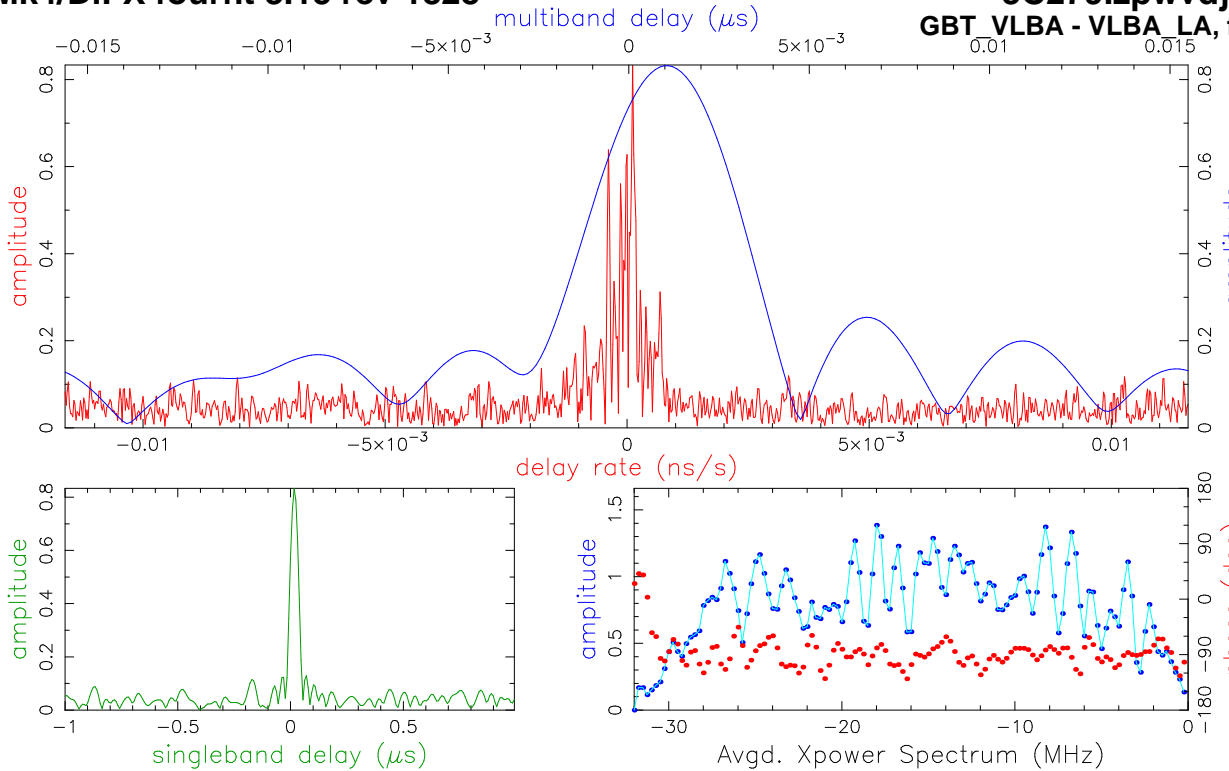


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	Ampl.	3.4
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	Sbd box	127.4
I	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	APs used	
G:I	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC freqs	
G:I	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G	1000	1000	1000	1000	1000	1000	1000	1000	ManI PC	
I	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
G	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
I	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	2.40053197212E+03		Apriori delay (usec)		2.40052902092E+03		Resid mbdelay (usec)		2.95121E-03	+/- 2.2E-05
Sband delay (usec)	2.40051647192E+03		Apriori clock (usec)		-6.9898667E+00		Resid sbdelay (usec)		-1.25490E-02	+/- 1.7E-04
Phase delay (usec)	2.40052902236E+03		Apriori clockrate (us/s)		3.3261311E-07		Resid phdelay (usec)		1.44258E-06	+/- 3.7E-08
Delay rate (us/s)	-5.34513731954E-01		Apriori rate (us/s)		-5.34513849871E-01		Resid rate (us/s)		1.17917E-07	+/- 2.8E-10
Total phase (deg)	355.0		Apriori accel (us/s/s)		-1.32285678582E-05		Resid phase (deg)		44.7	+/- 1.1

RMS Theor. Amplitude 3.432 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 65.7 2.7 Search (1024X32) 3.335 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 amp/seg (%) 87.9 4.8 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 ph/frq (deg) 5.8 1.6 Inc. seg. avg. 6.229 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 amp/frq (%) 4.6 2.8 Inc. frq. avg. 3.402 simultaneous interpolator ion window (TEC) 0.00 0.00

G: az 165.5 el 44.7 pa -11.0 I: az 132.7 el 35.9 pa -36.5 u,v (fr/asec) 3067.934 433.572 simultaneous interpolator

Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/GI.zpvdj Output file: /Exps/c171a/gmva/1234/No0584/GI.W.167.zpvdj

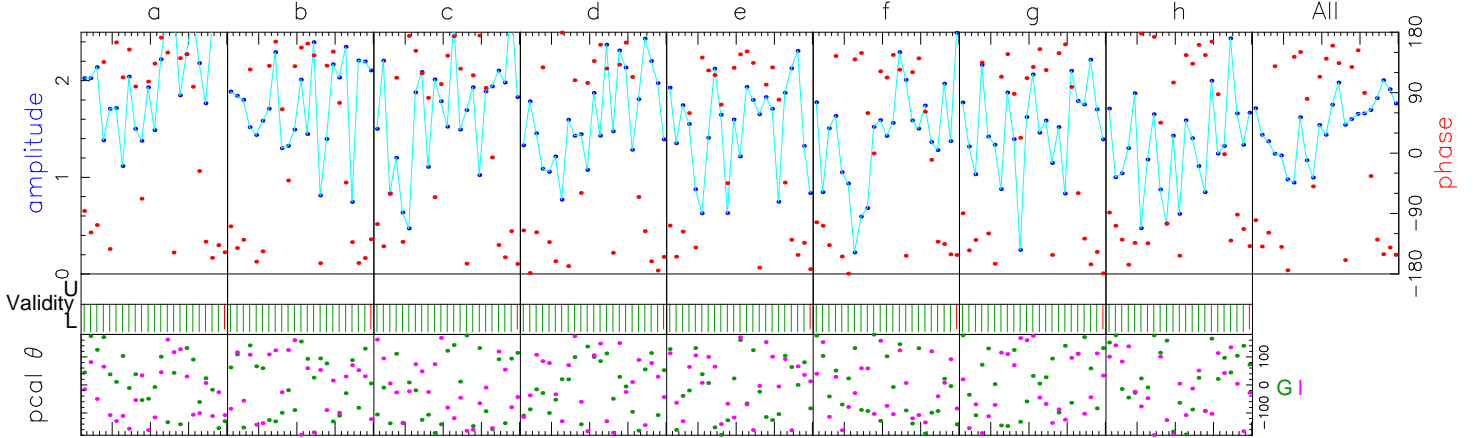


Fringe quality 7

SNR 24.4
Int time 228.985
Amp 0.834
Phase -0.5
PFD 0.0e+00
Delays (us)
SBD 0.016788
MBD 0.001048
Fringe rate (Hz) 0.009825
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.500

Exp. c171a
Exper # 16383
Yr:day 2017:090
Start 050011.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052
2017:215:024649
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"

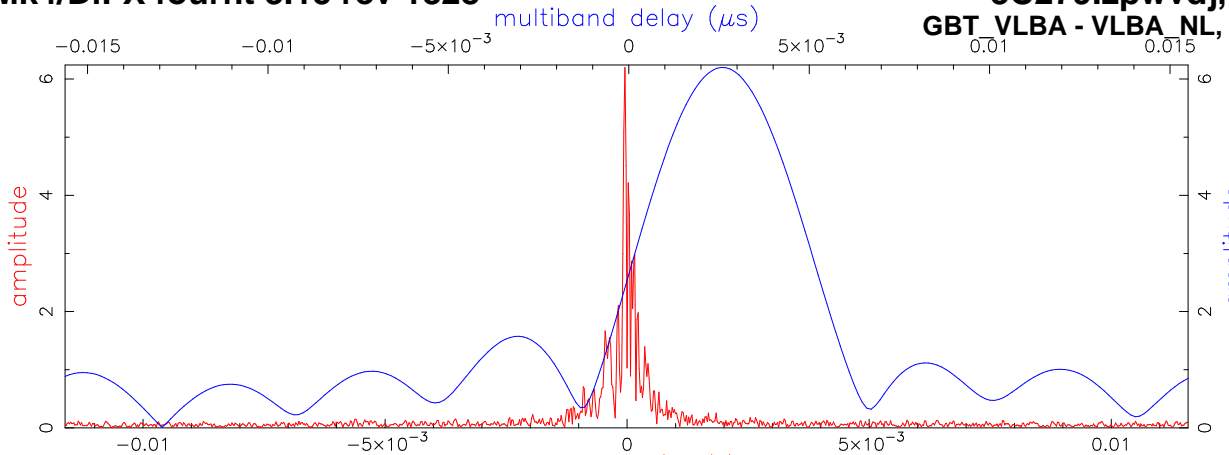
Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec



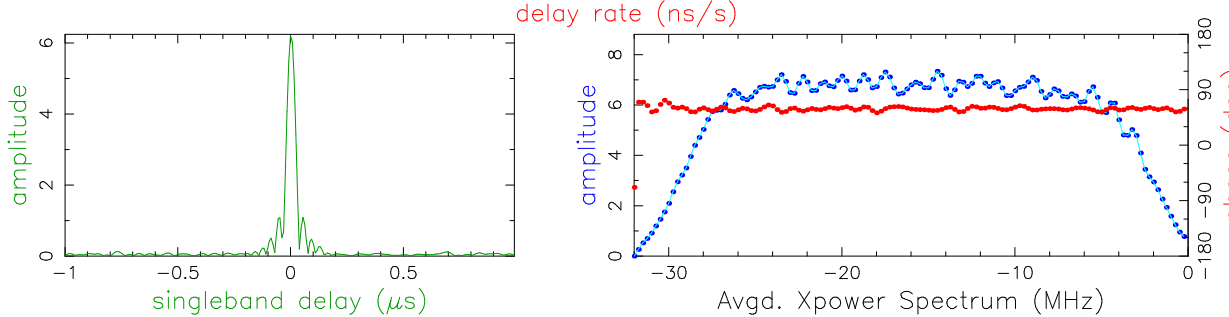
	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All	
	-175.2	179.6	177.0	-177.7	165.1	172.3	170.8	-158.3		179.5	
	1.1	1.0	0.8	1.0	0.7	0.9	0.7	0.7		0.8	
	130.7	131.1	131.2	131.0	130.8	131.4	131.9	131.3		131.1	
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458			
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000			
I	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000			
G:I	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0			
G:I	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0			
G	1000	1000	1000	1000	1000	1000	1000	1000			
I	1000	1000	1000	1000	1000	1000	1000	1000			
G	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR			
I	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL			
									Chan ids		
									Tracks		
									Tracks		
Group delay (usec)(sbd)	2.40056131862E+03		Apriori delay (usec)		2.40052902092E+03		Resid mbdelay (usec)		1.04771E-03	+/- 8.9E-05	
Sband delay (usec)	2.40054580892E+03		Apriori clock (usec)		-6.9898667E+00		Resid sbdelay (usec)		1.67880E-02	+/- 7.1E-04	
Phase delay (usec)	2.40052902671E+03		Apriori clockrate (us/s)		3.3261311E-07		Resid phdelay (usec)		5.78889E-06	+/- 1.5E-07	
Delay rate (us/s)	-5.34513735810E-01		Apriori rate (us/s)		-5.34513849871E-01		Resid rate (us/s)		1.14061E-07	+/- 1.1E-09	
Total phase (deg)			Apriori accel (us/s/s)		-1.32285678582E-05		Resid phase (deg)		-0.5	+/- 4.7	
	RMS	Theor.	Amplitude	0.834 +/- 0.034	Pcal mode: MANUAL, MANUAL		PC period (AP's) 5, 5				
ph/seg (deg)	63.7	11.3	Search (1024X32)	0.830	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)		-1.000	1.000	
amp/seg (%)	90.6	19.7	Interp.	0.000	Bits/sample: 2x2		SampCntNorm: enabled		mb window (us)	-0.016	0.016
ph/frq (deg)	12.0	6.6	Inc. seg. avg.	1.495	Sample rate(MSamp/s): 64		Data rate(Mb/s): 1024		dr window (ns/s)	-0.012	0.012
amp/frq (%)	19.5	11.6	Inc. frq. avg.	0.838	Data rate(Mb/s): 1024		nlags: 128 t_cohere infinite		ion window (TEC)	0.00	0.00

G: az 165.5 el 44.7 pa -11.0 I: az 132.7 el 35.9 pa -36.5 u,v (fr/asec) 3067.934 433.572 simultaneous interpolator

Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/GI.zpvdj Output file: /Exps/c171a/gmva/1234/No0584/GI.W.168.zpvdj

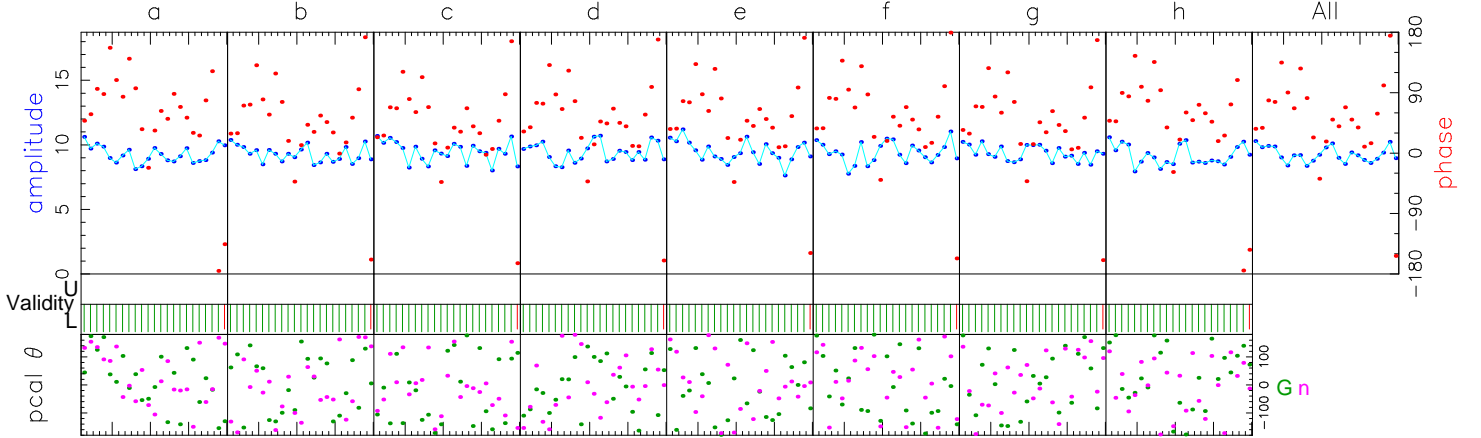


Fringe quality 5
SNR 182.7
Int time 228.985
Amp 6.243
Phase 60.2
PFD 0.0e+00
Delays (us)
SBD 0.002419
MBD 0.002609
Fringe rate (Hz) -0.003408
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.500



Exp. c171a
Exper # 16383
Yr:day 2017:090
Start 050011.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052
2017:215:024651
2017:188:152524
RA & Dec (J2000) 12h56m11.1666s -5°47'21.525"

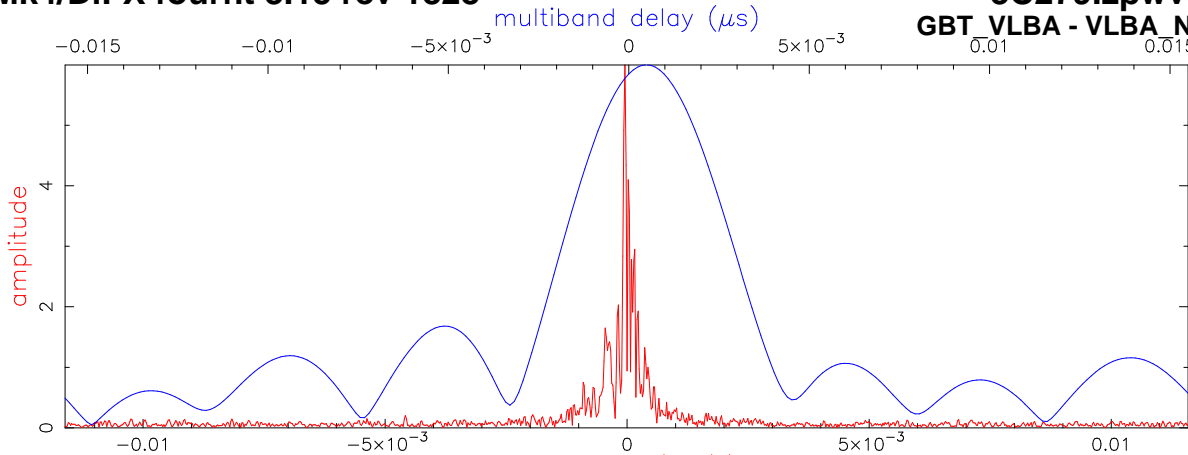
Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec



	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	77.1	53.0	50.2	58.4	59.6	61.2	53.1	70.1	Phase	60.2
	6.1	6.2	6.5	6.4	6.4	6.1	6.3	6.2	Ampl.	6.3
	129.1	129.1	129.5	129.3	129.5	129.1	129.5	129.5	Sbd box	129.3
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
G	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
n	1000	1000	1000	1000	1000	1000	1000	1000		
G	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
n	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	

Group delay (usec)(sbd)	1.73636389984E+03	Apriori delay (usec)	1.73636129131E+03	Resid mbdelay (usec)	2.60853E-03	+/-	1.2E-05
Sband delay (usec)	1.73636371081E+03	Apriori clock (usec)	-1.6636118E+01	Resid sbdelay (usec)	2.41950E-03	+/-	9.4E-05
Phase delay (usec)	1.73636129325E+03	Apriori clockrate (us/s)	-6.4946502E-08	Resid phdelay (usec)	1.94073E-06	+/-	2.0E-08
Delay rate (us/s)	-2.17005449183E-01	Apriori rate (us/s)	-2.17005409615E-01	Resid rate (us/s)	-3.95679E-08	+/-	1.5E-10
Total phase (deg)	288.3	Apriori accel (us/s/s)	-8.80687198072E-06	Resid phase (deg)	60.2	+/-	0.6

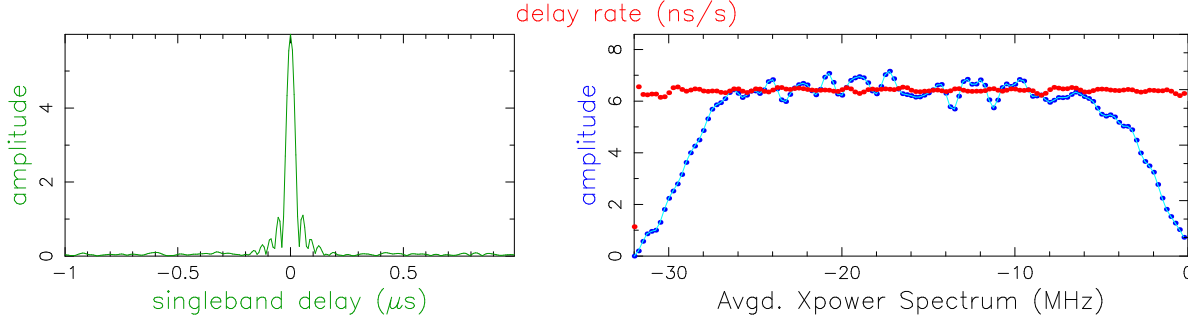
ph/seg (deg)	53.6	RMS	53.6	Theor.	1.5	Amplitude	6.243 +/- 0.034	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5	
amp/seg (%)	49.3	Search (1024X32)	6.038	Interp.	0.000	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000	1.000		
ph/frq (deg)	9.9	Inc. seg. avg.	9.265	Inc. frq. avg.	6.269	Bits/sample:	2x2	SampCntNorm:	enabled	mb window (us)	-0.016	0.016
amp/frq (%)	2.2	Inc. frq. avg.	6.269	u,v (fr/asec)	1242.854 -320.477	Sample rate (MSamp/s):	64	dr window (ns/s)	-0.012	0.012		
						Data rate (Mb/s):	1024	ion window (TEC)	0.00	0.00		



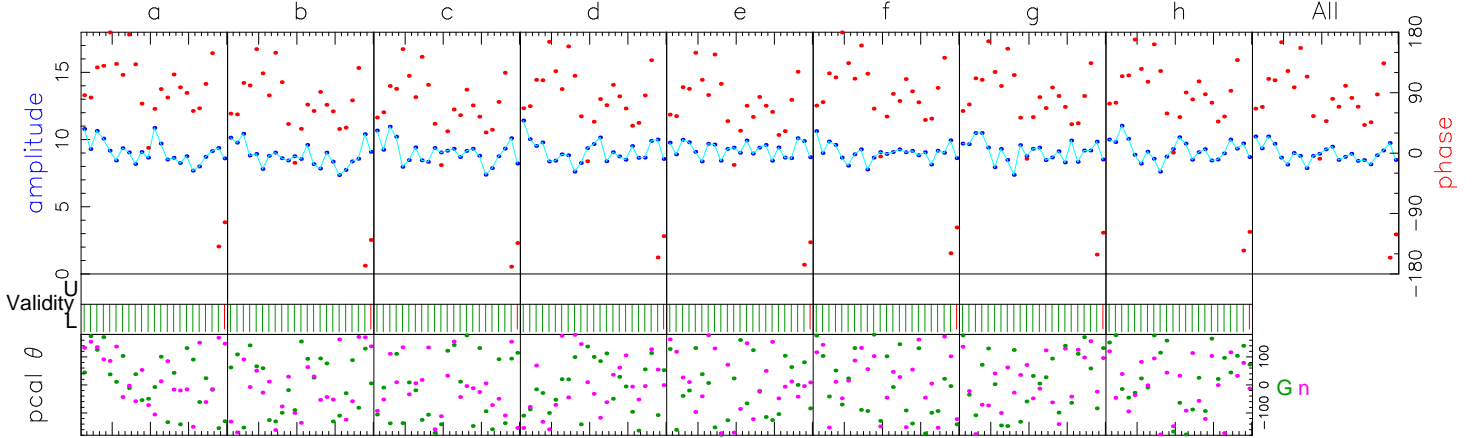
Fringe quality 5

SNR 175.4
 Int time 228.985
 Amp 5.995
 Phase 91.5
 PFD 0.0e+00
 Delays (us)
 SBD 0.000088
 MBD 0.000487
 Fringe rate (Hz)
 -0.003426
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.500

Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050011.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024652
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"

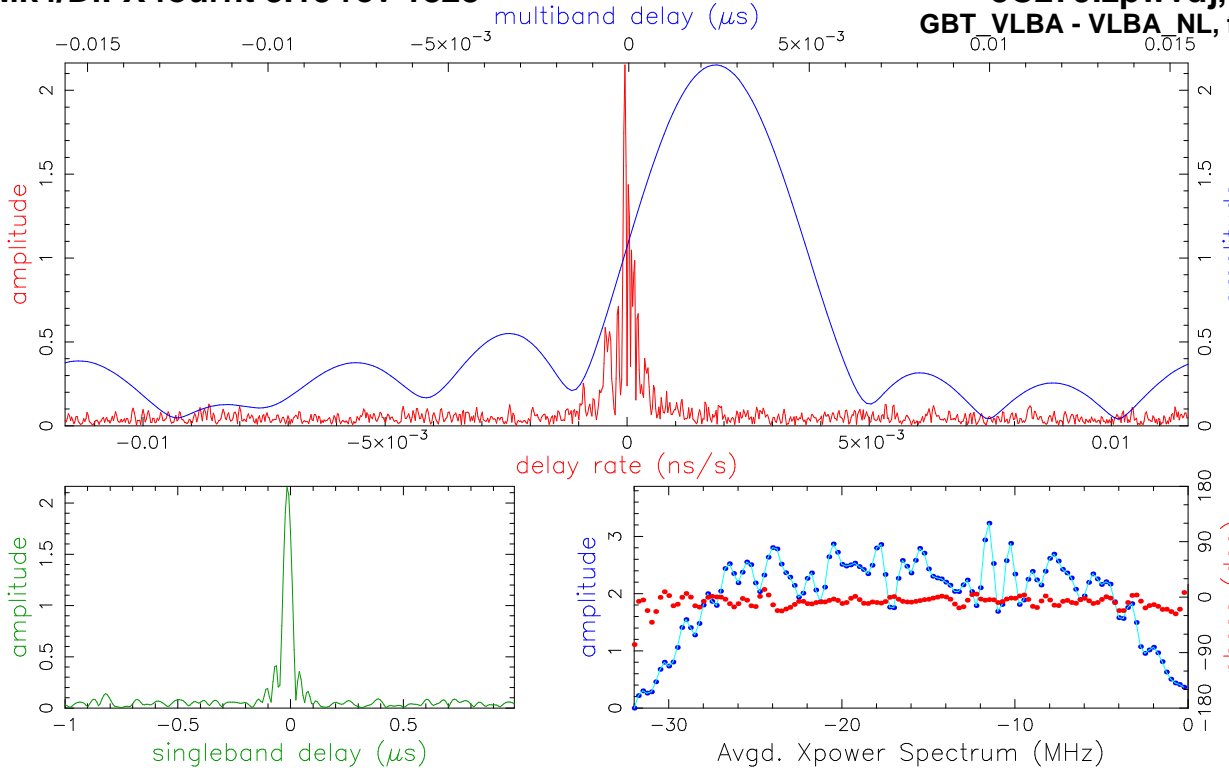


Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec



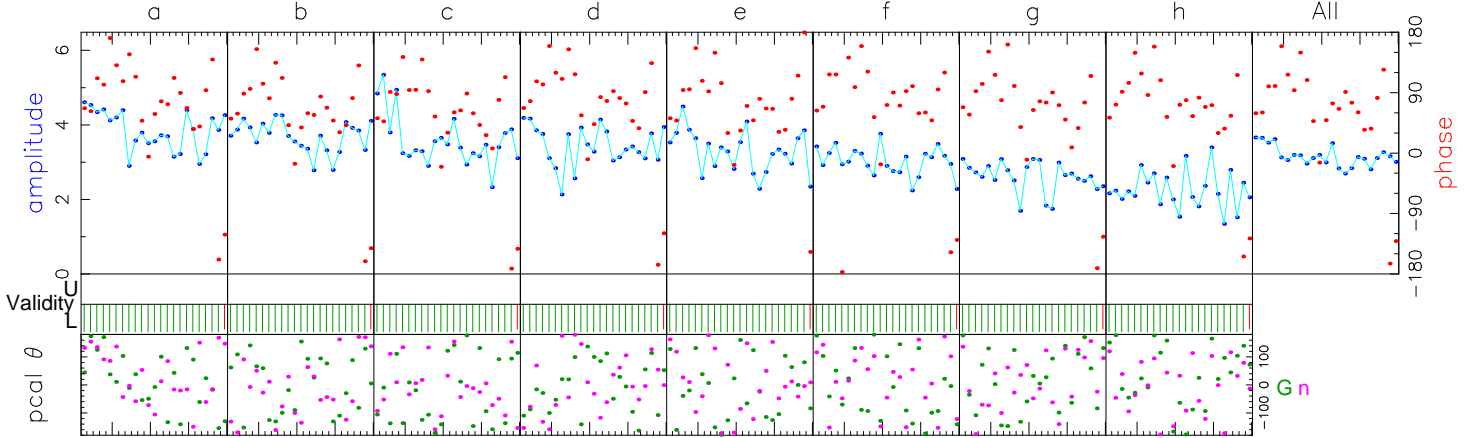
	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	108.9	84.4	79.9	91.0	79.9	99.4	91.3	97.4	Phase	91.5
	6.2	5.8	6.1	6.0	6.2	6.0	6.1	6.2	Ampl.	6.1
	128.8	129.0	129.2	129.0	129.1	129.2	128.8	129.2	Sbd box	129.0
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
G	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
n	1000	1000	1000	1000	1000	1000	1000	1000		
G	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
n	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	1.73636177791E+03		Apriori delay (usec)		1.73636129131E+03		Resid mbdelay (usec)		4.86592E-04	+/- 1.2E-05
Sband delay (usec)	1.73636137981E+03		Apriori clock (usec)		-1.6636118E+01		Resid sbdelay (usec)		8.85000E-05	+/- 9.8E-05
Phase delay (usec)	1.73636129427E+03		Apriori clockrate (us/s)		-6.4946502E-08		Resid phdelay (usec)		2.95167E-06	+/- 2.1E-08
Delay rate (us/s)	-2.17005449393E-01		Apriori rate (us/s)		-2.17005409615E-01		Resid rate (us/s)		-3.97783E-08	+/- 1.6E-10
Total phase (deg)	319.7		Apriori accel (us/s/s)		-8.80687198072E-06		Resid phase (deg)		91.5	+/- 0.7

ph/seg (deg) 53.7 1.6 Theor. Amplitude 5.995 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 50.4 2.7 Search (1024X32) 5.767 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 11.0 0.9 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 2.6 1.6 Inc. seg. avg. 8.948 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 G: az 165.5 el 44.7 pa -11.0 n: az 151.6 el 38.3 pa -20.6 u,v (fr/asec) 1242.854 -320.477 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/Gn..zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/Gn.W.170.zpwwdj



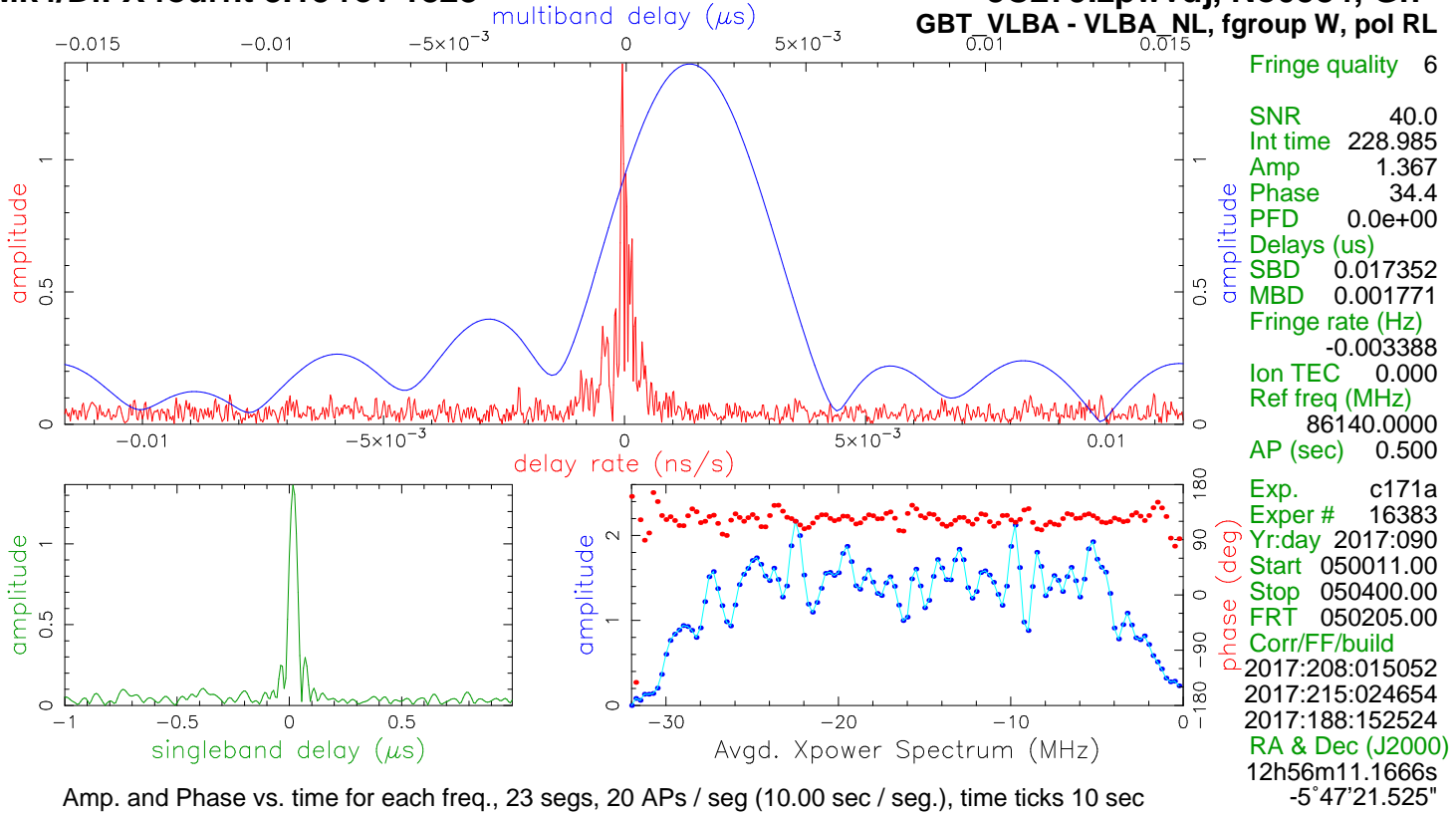
Fringe quality 5
 SNR 63.3
 Int time 228.985
 Amp 2.163
 Phase 264.9
 PFD 0.0e+00
 Delays (us)
 SBD -0.013453
 MBD 0.002412
 Fringe rate (Hz)
 -0.003417
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.500
 Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050011.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024653
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"

Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec

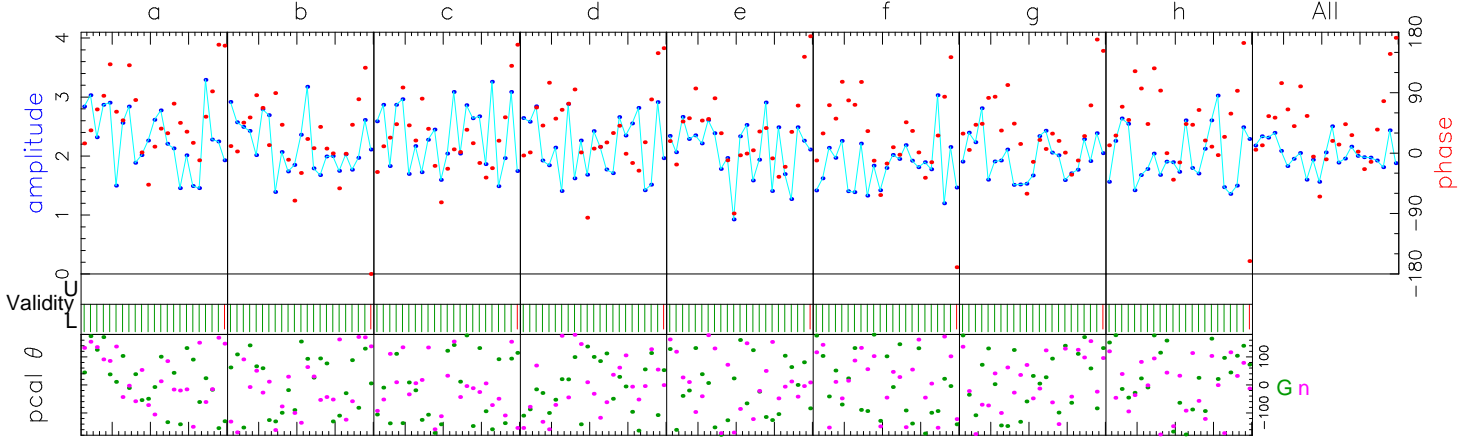


86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
93.6	80.4	73.9	90.9	79.2	96.3	81.5	84.0	Phase	84.9
2.5	2.5	2.5	2.3	2.3	2.0	1.8	1.5	Ampl.	2.2
127.1	127.2	127.4	127.2	127.6	127.6	127.1	127.0	Sbd box	127.3
U/L 0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
G -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
n -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G:n 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:n 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
G 1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
n 1000	1000	1000	1000	1000	1000	1000	1000		
G W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
n W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	
								Chan ids	
								Tracks	
Group delay (usec)(sbd)	1.73633245291E+03		Apriori delay (usec)	1.73636129131E+03		Resid mbdelay (usec)	2.41159E-03	+/-	3.4E-05
Sband delay (usec)	1.73634783881E+03		Apriori clock (usec)	-1.6636118E+01		Resid sbdelay (usec)	-1.34525E-02	+/-	2.7E-04
Phase delay (usec)	1.73636129405E+03		Apriori clockrate (us/s)	-6.4946502E-08		Resid phdelay (usec)	2.73782E-06	+/-	5.8E-08
Delay rate (us/s)	-2.17005449284E-01		Apriori rate (us/s)	-2.17005409615E-01		Resid rate (us/s)	-3.96694E-08	+/-	4.4E-10
Total phase (deg)	493.1		Apriori accel (us/s/s)	-8.80687198072E-06		Resid phase (deg)	264.9	+/-	1.8

RMS Theor. Amplitude 2.163 +/- 0.034
 ph/seg (deg) 52.9 4.3 Search (1024X32) 2.070
 amp/seg (%) 47.9 7.6 Interp. 0.000
 ph/frq (deg) 8.5 2.6 Inc. seg. avg. 3.155
 amp/frq (%) 16.0 4.5 Inc. frq. avg. 2.168
 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 ion window (TEC) 0.00 0.00
 G: az 165.5 el 44.7 pa -11.0 n: az 151.6 el 38.3 pa -20.6 u,v (fr/asec) 1242.854 -320.477 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/Gn..zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/Gn.W.171.zpwwdj



Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec



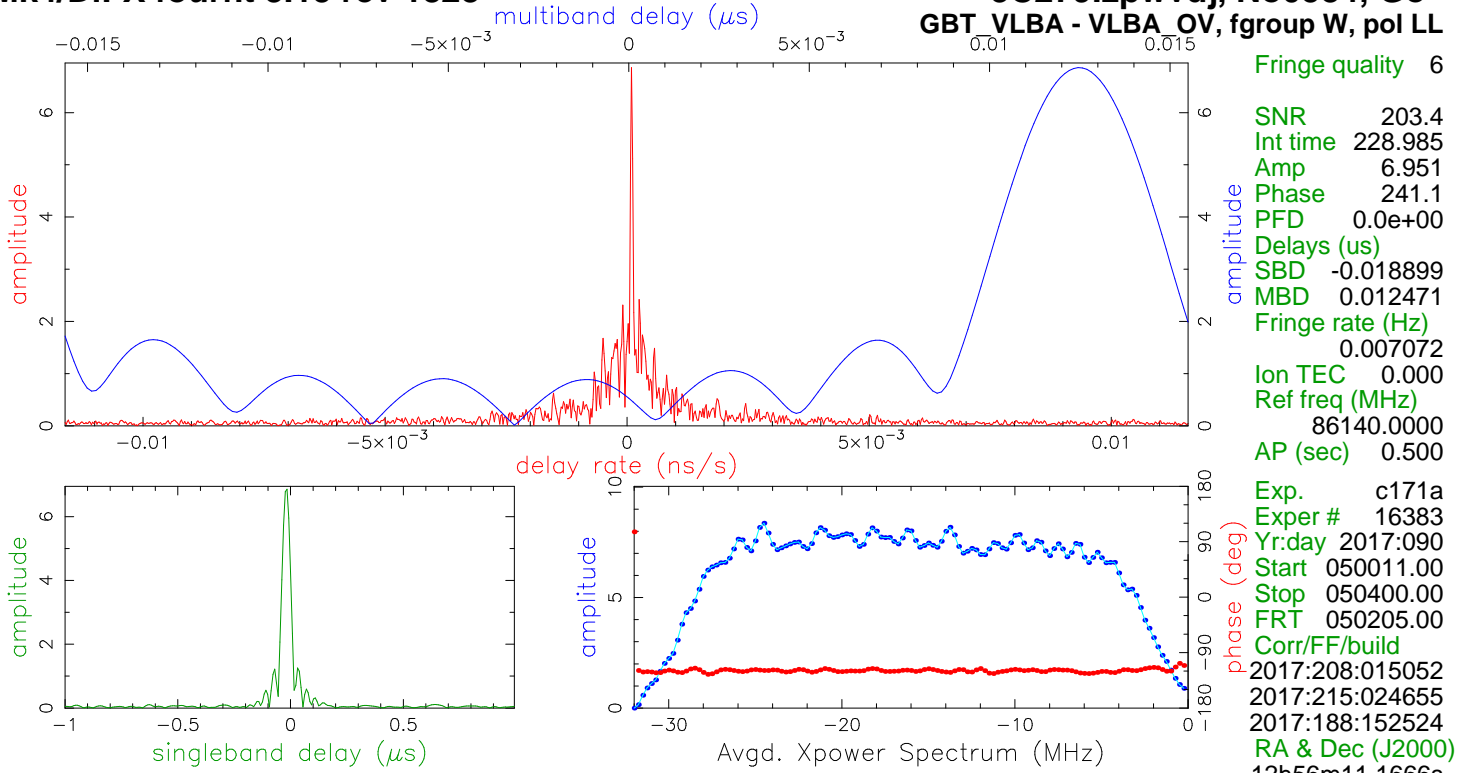
	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458		
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	APs used	
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
G	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
n	1000	1000	1000	1000	1000	1000	1000	1000		
G	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
n	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	

Group delay (usec)(sbd)	1.73636306241E+03	Apriori delay (usec)	1.73636129131E+03	Resid mbdelay (usec)	1.77109E-03	+/-	5.4E-05
Sband delay (usec)	1.73637864281E+03	Apriori clock (usec)	-1.6636118E+01	Resid sbdelay (usec)	1.73515E-02	+/-	4.3E-04
Phase delay (usec)	1.73636129242E+03	Apriori clockrate (us/s)	-6.4946502E-08	Resid phdelay (usec)	1.10784E-06	+/-	9.2E-08
Delay rate (us/s)	-2.17005448949E-01	Apriori rate (us/s)	-2.17005409615E-01	Resid rate (us/s)	-3.93342E-08	+/-	7.0E-10
Total phase (deg)	262.5	Apriori accel (us/s/s)	-8.80687198072E-06	Resid phase (deg)	34.4	+/-	2.9

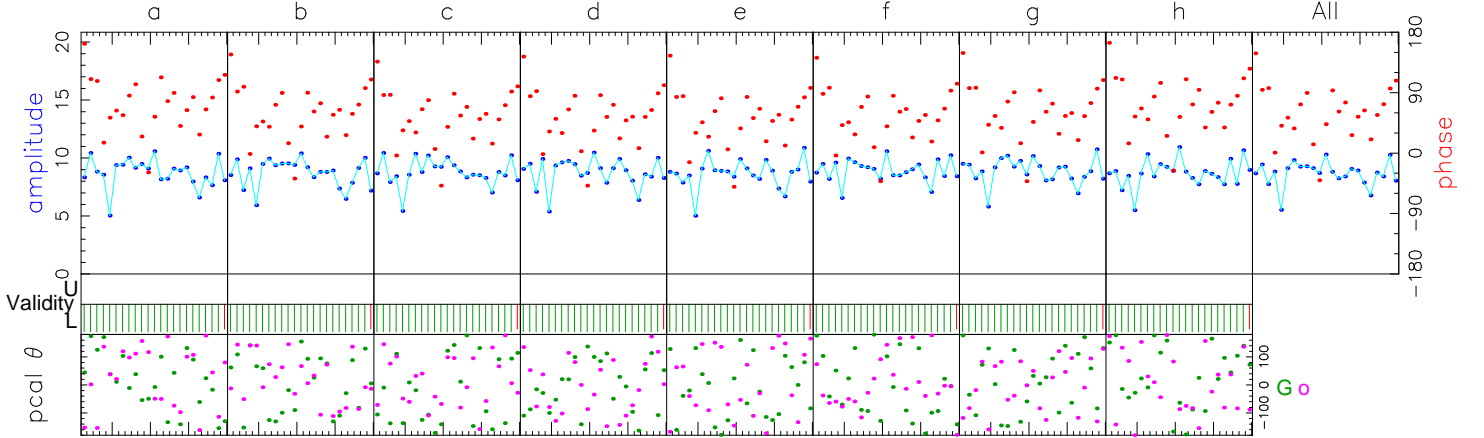
ph/seg (deg)	53.3	Theor.	6.9	Amplitude	1.367 +/- 0.034	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5	sb window (us)	-1.000	1.000
amp/seg (%)	52.0		12.0	Search (1024X32)	1.336	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	SampCntNorm:	enabled	mb window (us)	-0.016	0.016
ph/frq (deg)	12.3		4.1	Inc. seg. avg.	2.022	Bits/sample:	2x2	Sample rate(MSamp/s):	64	dr window (ns/s)	-0.012	0.012
amp/frq (%)	10.6		7.1	Inc. frq. avg.	1.385	Data rate(Mb/s):	1024	nlags:	128	ion window (TEC)	0.00	0.00

G: az 165.5 el 44.7 pa -11.0 n: az 151.6 el 38.3 pa -20.6 u,v (fr/asec) 1242.854 -320.477 simultaneous interpolator

Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/Gn..zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/Gn.W.172.zpwwdj

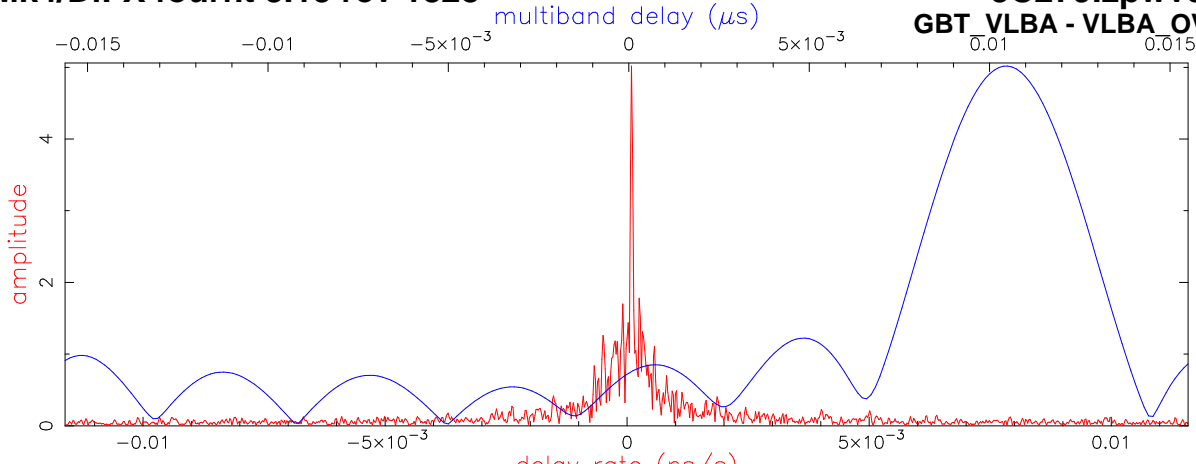


Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec



86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
74.4	60.2	55.4	54.5	52.3	55.8	62.3	74.3	Phase	61.1
6.9	6.9	7.0	6.9	6.8	7.1	7.0	6.8	Ampl.	6.9
126.4	126.6	126.5	126.6	126.6	126.6	126.8	126.7	Sbd box	126.6
U/L 0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
G -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
o -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G:0 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:0 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
G 1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
o 1000	1000	1000	1000	1000	1000	1000	1000		
G W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
o W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
								Chan ids	
								Tracks	
Group delay (usec)(sbd)	5.07525276895E+03	Apriori delay (usec)	5.07527154832E+03	Resid mbdelay (usec)	1.24706E-02	+/-	1.1E-05		
Sband delay (usec)	5.07525264932E+03	Apriori clock (usec)	-1.3441428E+01	Resid sbdelay (usec)	-1.88990E-02	+/-	8.5E-05		
Phase delay (usec)	5.07527155029E+03	Apriori clockrate (us/s)	-2.7843897E-08	Resid phdelay (usec)	1.96963E-06	+/-	1.8E-08		
Delay rate (us/s)	-7.11591986990E-01	Apriori rate (us/s)	-7.11592069088E-01	Resid rate (us/s)	8.20975E-08	+/-	1.4E-10		
Total phase (deg)	303.0	Apriori accel (us/s/s)	-2.72501480567E-05	Resid phase (deg)	241.1	+/-	0.6		

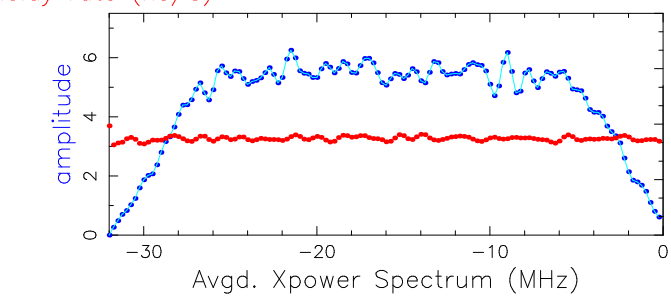
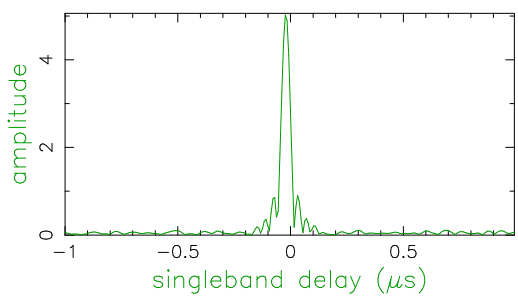
RMS Theor. Amplitude 6.951 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 39.7 1.4 Search (1024X32) 6.524 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 amp/seg (%) 28.9 2.4 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 ph/frq (deg) 9.4 0.8 Inc. seg. avg. 8.674 Sample rate(MSamp/s): 64 dr window (ns/s) -0.012 0.012
 amp/frq (%) 1.6 1.4 Inc. frq. avg. 6.931 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite ion window (TEC) 0.00 0.00
 G: az 165.5 el 44.7 pa -11.0 o: az 122.6 el 27.4 pa -42.2 u,v (fr/asec) 4077.306 368.044 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/Go.zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/Go.W.173.zpwwdj



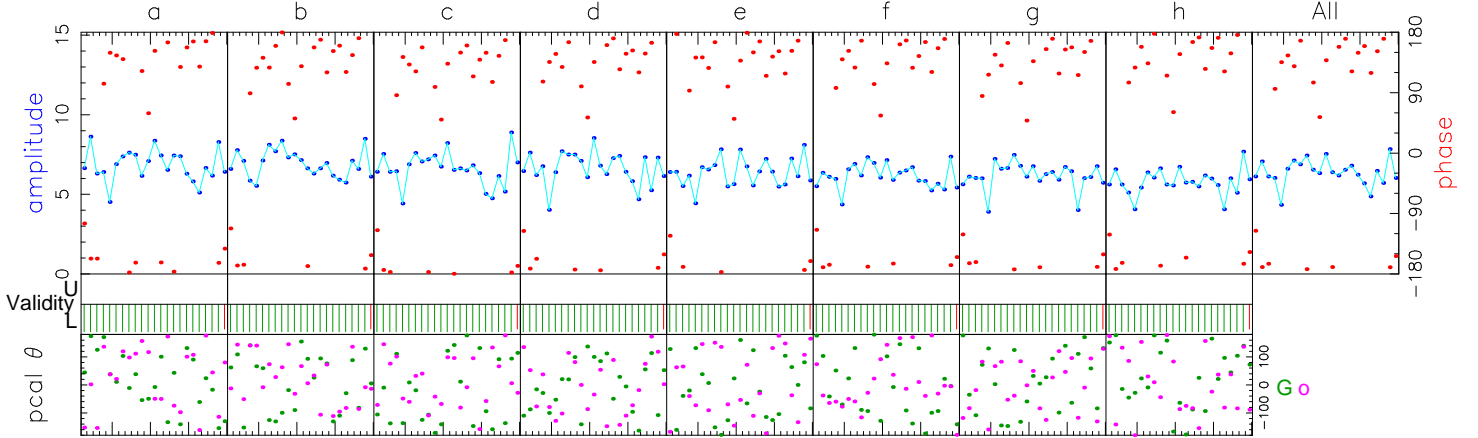
Fringe quality 6

SNR 148.1
Int time 228.985
Amp 5.060
Phase 337.1
PFD 0.0e+00
Delays (us)
SBD -0.020786
MBD 0.010468
Fringe rate (Hz) 0.007054
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.500

Exp. c171a
Exper # 16383
Yr:day 2017:090
Start 050011.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052
2017:215:024656
2017:188:152524
RA & Dec (J2000) 12h56m11.1666s
-5°47'21.525"



Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec

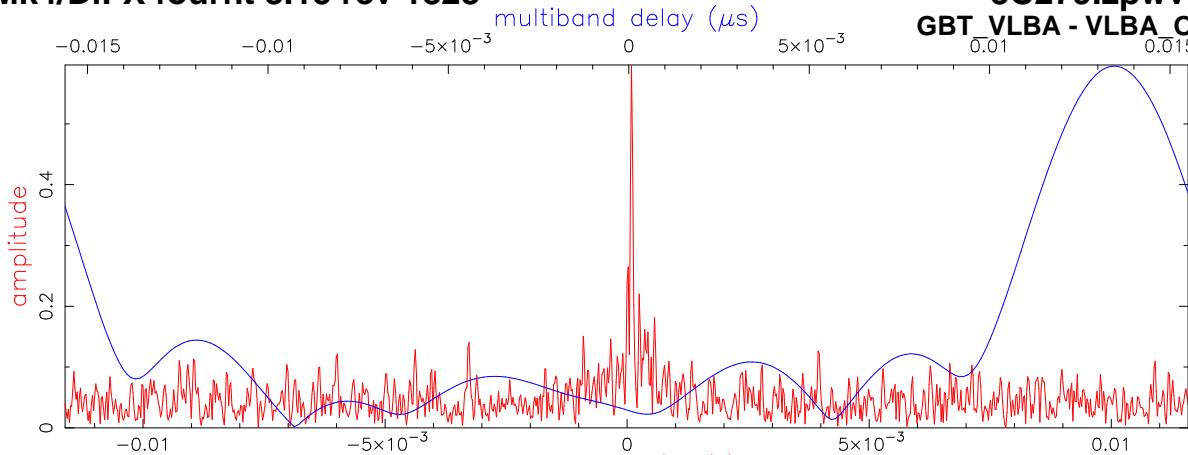


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	167.6	154.5	149.0	156.0	153.1	157.3	155.8	163.4	Phase	157.1
	5.3	5.3	5.1	5.2	5.1	4.8	4.7	4.6	Ampl.	5.0
	126.2	126.3	126.4	126.4	126.3	126.4	126.3	126.3	Sbd box	126.3
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
o	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G:o	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:o	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
G	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
o	1000	1000	1000	1000	1000	1000	1000	1000		
G	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
o	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	

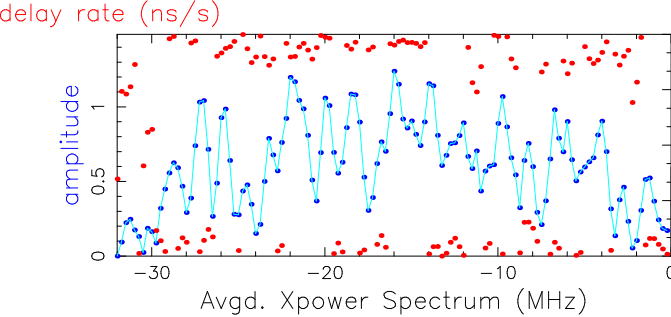
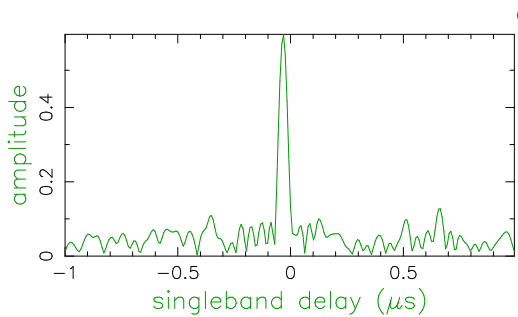
Group delay (usec)(sbd) 5.07525076626E+03 Apriori delay (usec) 5.07527154832E+03 Resid mbdelay (usec) 1.04679E-02 +/- 1.5E-05
 Sband delay (usec) 5.07525076182E+03 Apriori clock (usec) -1.3441428E+01 Resid sbdelay (usec) -2.07865E-02 +/- 1.2E-04
 Phase delay (usec) 5.07527155338E+03 Apriori clockrate (us/s) -2.7843897E-08 Resid phdelay (usec) 5.06474E-06 +/- 2.5E-08
 Delay rate (us/s) -7.11591987195E-01 Apriori rate (us/s) -7.11592069088E-01 Resid rate (us/s) 8.18928E-08 +/- 1.9E-10
 Total phase (deg) 399.0 Apriori accel (us/s/s) -2.72501480567E-05 Resid phase (deg) 337.1 +/- 0.8

RMS Theor. Amplitude 5.060 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 40.5 1.9 Search (1024X32) 4.749 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 amp/seg (%) 30.5 3.2 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 ph/frq (deg) 6.3 1.1 Inc. seg. avg. 6.390 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 amp/frq (%) 5.1 1.9 Inc. frq. avg. 5.041 ion window (TEC) 0.00 0.00

G: az 165.5 el 44.7 pa -11.0 o: az 122.6 el 27.4 pa -42.2 u,v (fr/asec) 4077.306 368.044 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/Go.zpvdj Output file: /Exps/c171a/gmva/1234/No0584/Go.W.174.zpvdj

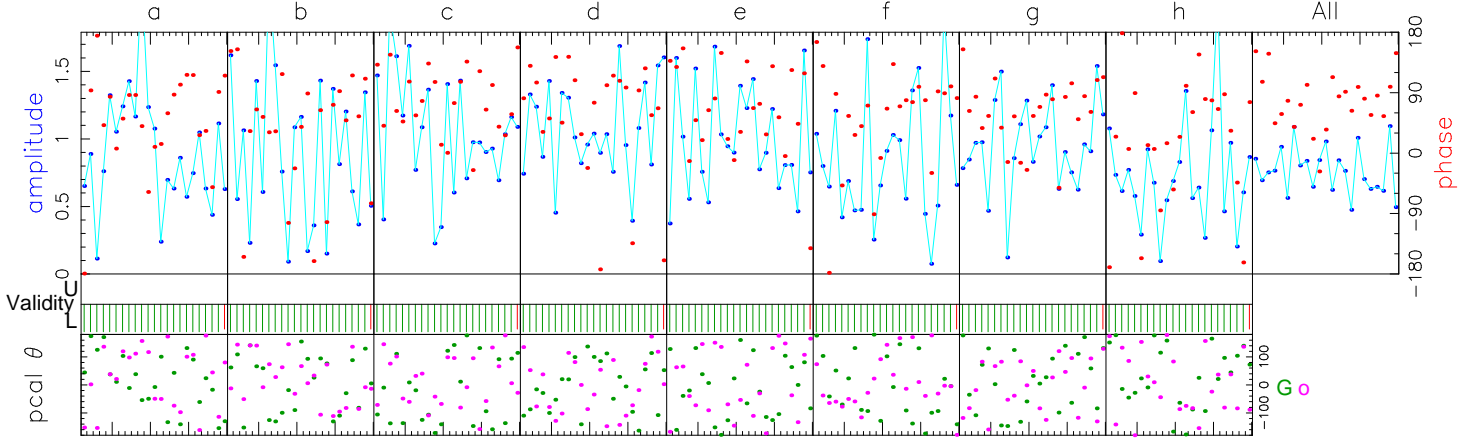


Fringe quality 9
 SNR 17.5
 Int time 228.985
 Amp 0.597
 Phase 257.8
 PFD 0.0e+00
 Delays (us)
 SBD -0.032896
 MBD 0.013449
 Fringe rate (Hz) 0.007315
 Ion TEC 0.000
 Ref freq (MHz) 86140.0000
 AP (sec) 0.500



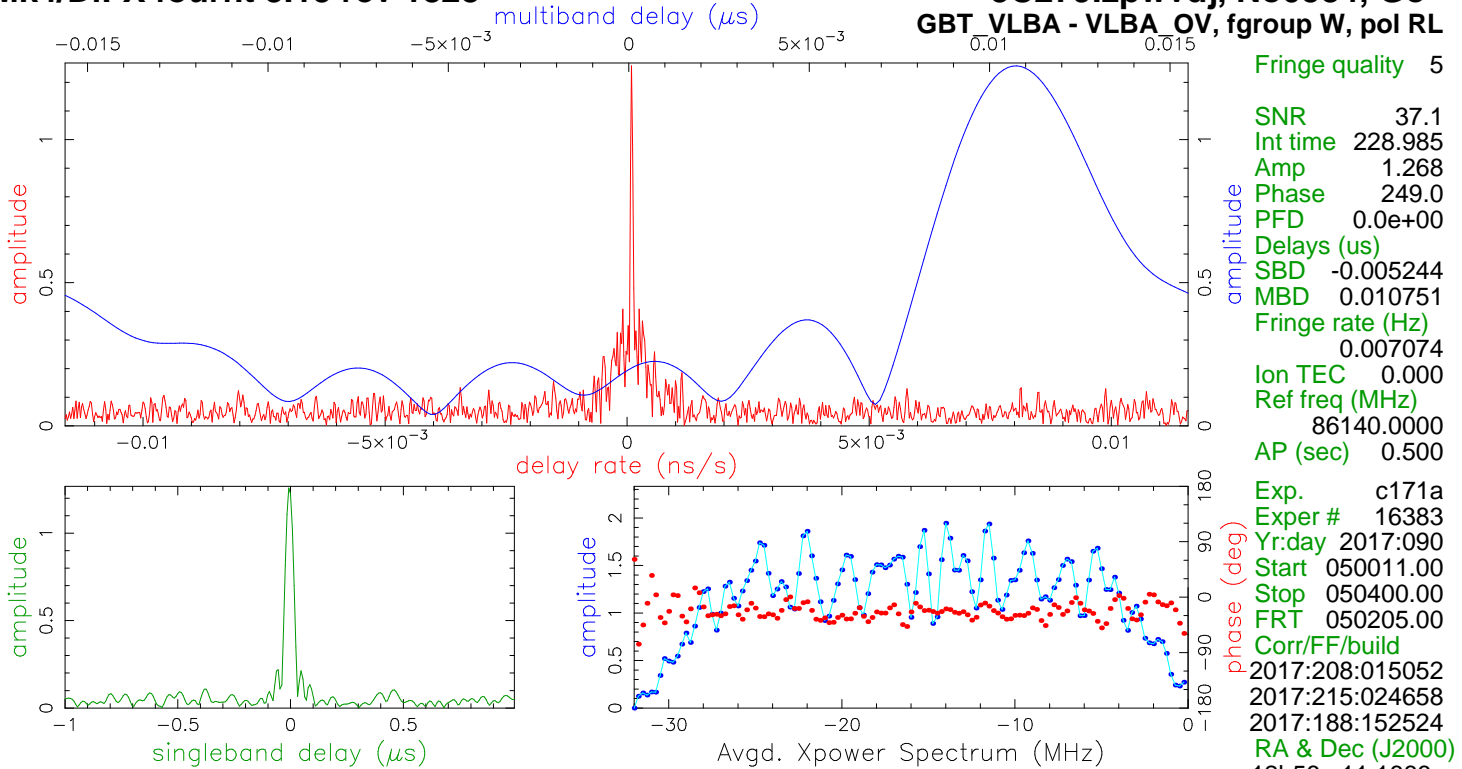
Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050011.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024657
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"

Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec

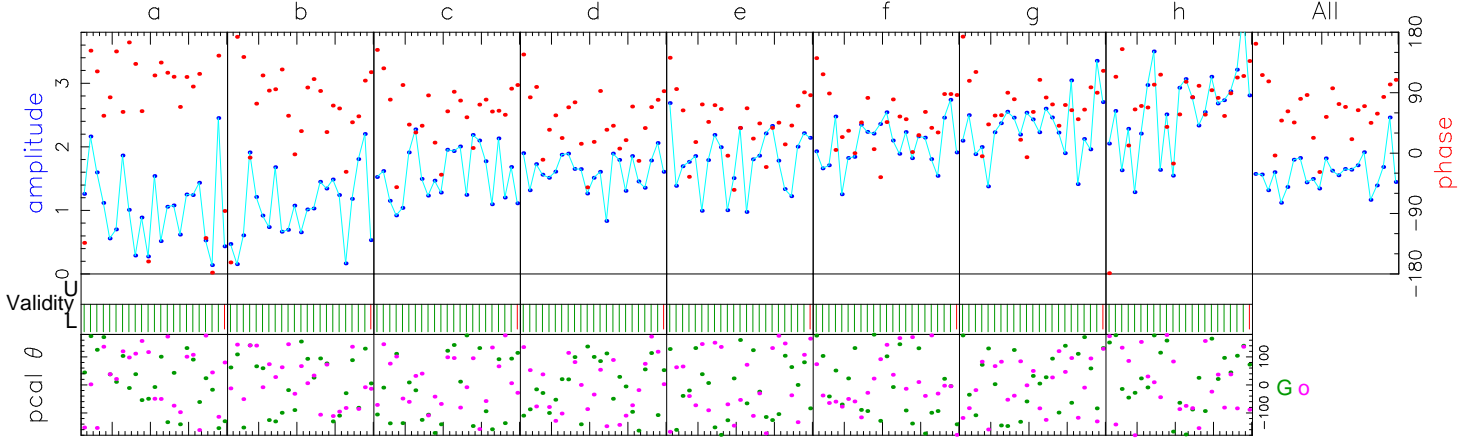


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	61.8	70.2	85.8	96.5	80.4	86.6	68.5	62.2	Phase	77.8
	0.6	0.5	0.7	0.7	0.6	0.7	0.4	0.4	Ampl.	0.6
	124.6	124.9	125.1	124.6	124.4	125.6	124.9	123.7	Sbd box	124.8
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
o	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G:o	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:o	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
G	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
o	1000	1000	1000	1000	1000	1000	1000	1000		
G	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
o	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	5.07525374682E+03		Apriori delay (usec)		5.07527154832E+03		Resid mbdelay (usec)		1.34485E-02	+/- 1.2E-04
Sband delay (usec)	5.07523865282E+03		Apriori clock (usec)		-1.3441428E+01		Resid sbdelay (usec)		-3.28955E-02	+/- 9.9E-04
Phase delay (usec)	5.07527155083E+03		Apriori clockrate (us/s)		-2.7843897E-08		Resid phdelay (usec)		2.50999E-06	+/- 2.1E-07
Delay rate (us/s)	-7.11591984172E-01		Apriori rate (us/s)		-7.11592069088E-01		Resid rate (us/s)		8.49155E-08	+/- 1.6E-09
Total phase (deg)	319.8		Apriori accel (us/s/s)		-2.72501480567E-05		Resid phase (deg)		257.8	+/- 6.6

ph/seg (deg) 41.2 15.7 Search (1024X32) 0.577 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 40.6 27.5 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 13.8 9.3 Inc. seg. avg. 0.741 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 18.3 16.2 Inc. frq. avg. 0.600 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 G: az 165.5 el 44.7 pa -11.0 o: az 122.6 el 27.4 pa -42.2 u,v (fr/asec) 4077.306 368.044 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/Go.zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/Go.W.175.zpwwdj

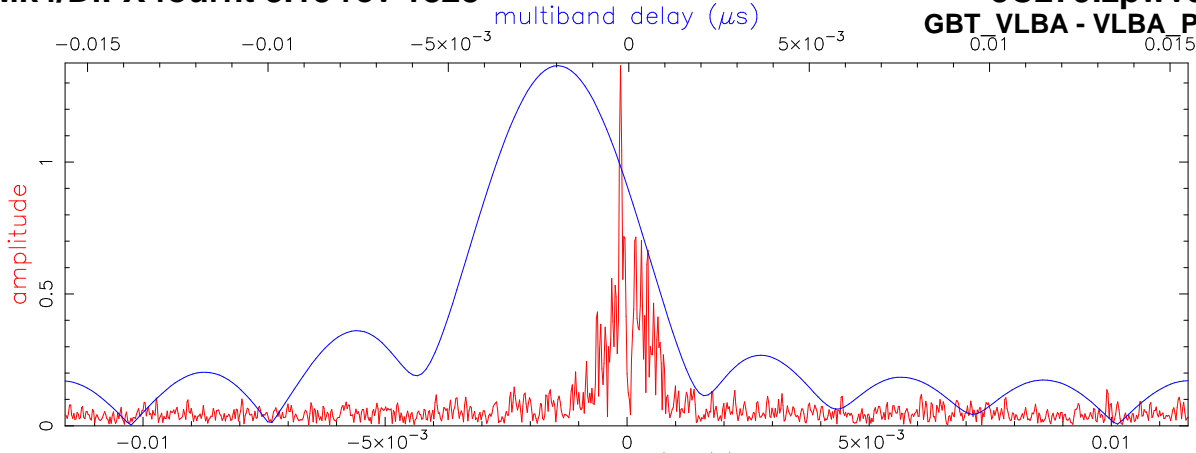


Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec

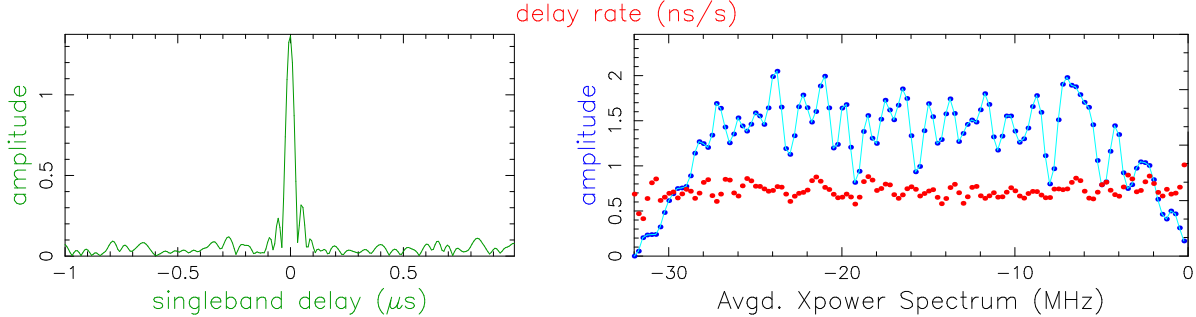


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	122.4	74.2	63.8	49.9	47.9	49.9	73.0	88.7	Phase	69.0
	0.8	0.8	1.2	1.2	1.3	1.6	1.8	2.1	Ampl.	1.3
	127.8	128.0	128.1	128.5	128.6	128.5	128.5	128.4	Sbd box	128.3
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
o	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G:o	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:o	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
G	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
o	1000	1000	1000	1000	1000	1000	1000	1000		
G	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
o	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	5.07525104932E+03		Apriori delay (usec)		5.07527154832E+03		Resid mbdelay (usec)		1.07510E-02	+/- 5.9E-05
Sband delay (usec)	5.07526630482E+03		Apriori clock (usec)		-1.3441428E+01		Resid sbdelay (usec)		-5.24350E-03	+/- 4.6E-04
Phase delay (usec)	5.07527155054E+03		Apriori clockrate (us/s)		-2.7843897E-08		Resid phdelay (usec)		2.22561E-06	+/- 1.0E-07
Delay rate (us/s)	-7.11591986966E-01		Apriori rate (us/s)		-7.11592069088E-01		Resid rate (us/s)		8.21221E-08	+/- 7.5E-10
Total phase (deg)	311.0		Apriori accel (us/s/s)		-2.72501480567E-05		Resid phase (deg)		249.0	+/- 3.1

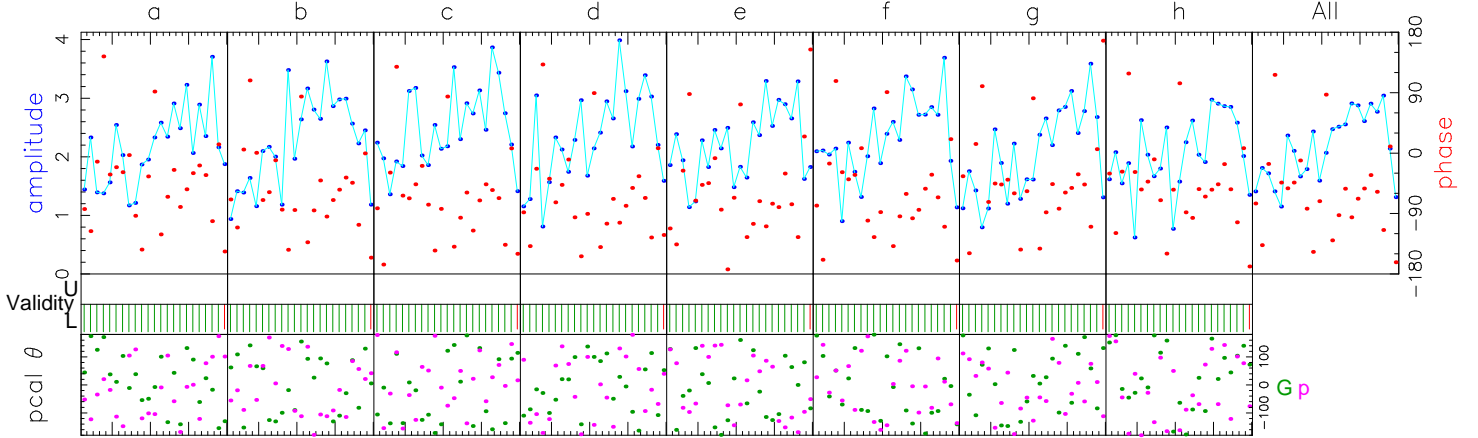
ph/seg (deg) 40.5 7.4 Search (1024X32) 1.207 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 33.3 12.9 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 27.3 4.4 Inc. seg. avg. 1.575 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 34.8 7.6 Inc. frq. avg. 1.339 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 G: az 165.5 el 44.7 pa -11.0 o: az 122.6 el 27.4 pa -42.2 u,v (fr/asec) 4077.306 368.044 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/Go...zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/Go.W.176.zpwvdj



Fringe quality 7
SNR 40.3
Int time 228.985
Amp 1.376
Phase -71.0
PFD 0.0e+00
Delays (us)
SBD -0.002427
MBD -0.001980
Fringe rate (Hz)
-0.011912
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.500
Exp. c171a
Exper # 16383
Yr:day 2017:090
Start 050011.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052
2017:215:024659
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"

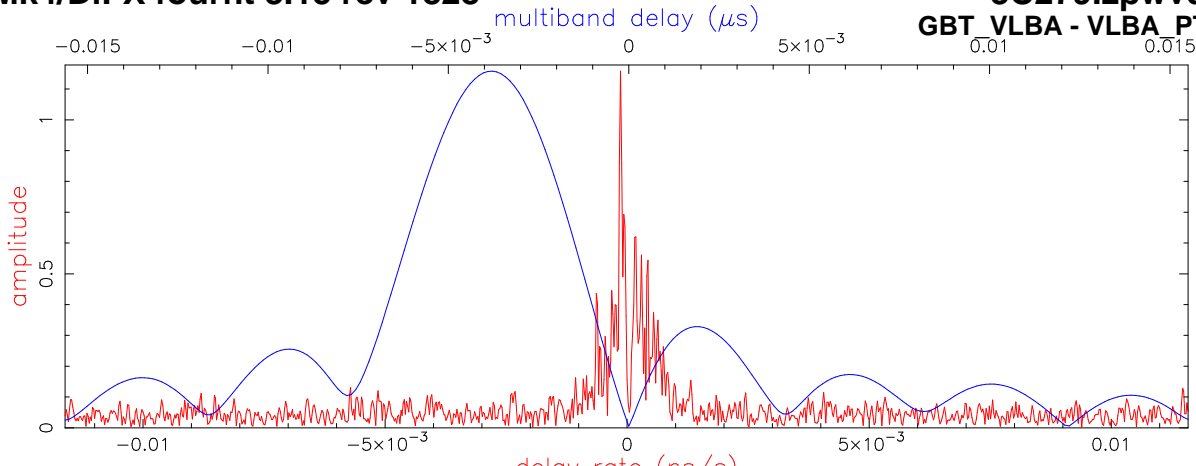


Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec

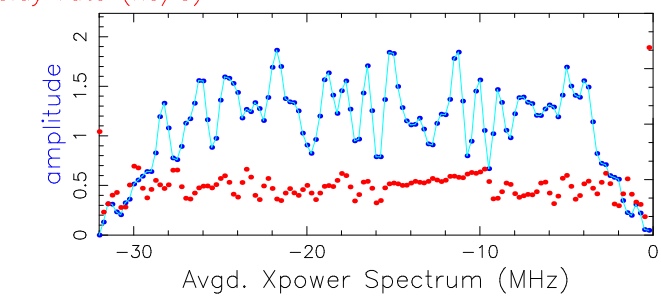
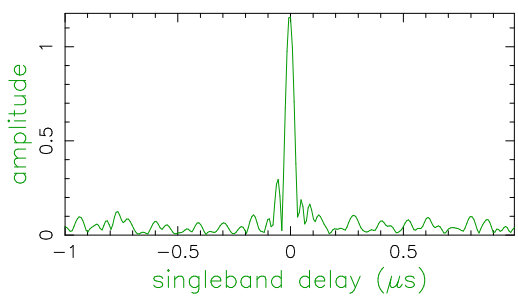


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	-55.4	-69.1	-80.1	-79.5	-81.6	-76.1	-63.0	-60.5	Phase	-71.0
	1.3	1.4	1.6	1.5	1.3	1.3	1.3	1.3	Ampl.	1.4
	128.7	128.6	128.4	128.8	128.7	129.3	128.7	128.6	Sbd box	128.7
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
p	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G:p	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:p	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
G	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
p	1000	1000	1000	1000	1000	1000	1000	1000		
G	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
p	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	2.44176606751E+03		Apriori delay (usec)		2.44176804717E+03		Resid mbdelay (usec)		-1.97966E-03	+/- 5.4E-05
Sband delay (usec)	2.44176562017E+03		Apriori clock (usec)		-1.3638536E+01		Resid sbdelay (usec)		-2.42700E-03	+/- 4.3E-04
Phase delay (usec)	2.44176804488E+03		Apriori clockrate (us/s)		-3.4534699E-08		Resid phdelay (usec)		-2.29090E-06	+/- 9.2E-08
Delay rate (us/s)	-5.81258953951E-01		Apriori rate (us/s)		-5.81258815663E-01		Resid rate (us/s)		-1.38288E-07	+/- 6.9E-10
Total phase (deg)	139.1		Apriori accel (us/s/s)		-1.37263127482E-05		Resid phase (deg)		-71.0	+/- 2.8
	RMS	Theor.	Amplitude	1.376 +/- 0.034	Pcal mode: MANUAL, MANUAL		PC period (AP's) 5, 5			
ph/seg (deg)	64.8	6.8	Search (1024X32)	1.357	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)		-1.000	1.000
amp/seg (%)	70.3	11.9	Interp.	0.000	Bits/sample: 2x2		SampCntNorm: enabled		-0.016	0.016
ph/frq (deg)	10.9	4.0	Inc. seg. avg.	2.146	Sample rate(MSamp/s): 64		dr window (ns/s)		-0.012	0.012
amp/frq (%)	7.2	7.0	Inc. frq. avg.	1.381	Data rate(Mb/s): 1024		ion window (TEC)		0.00	0.00
					nlags: 128 t_cohere infinite					

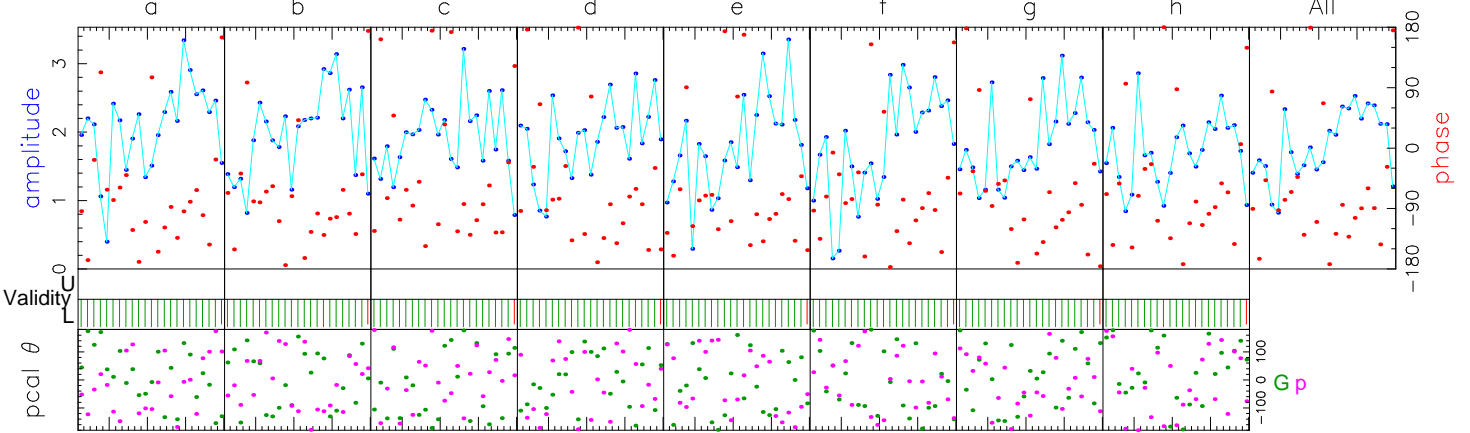
G: az 165.5 el 44.7 pa -11.0 p: az 130.1 el 35.7 pa -39.2 u,v (fr/asec) 3336.773 623.010 simultaneous interpolator
Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/Gp..zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/Gp.W.177.zpwwdj



Fringe quality 7
SNR 34.5
Int time 228.985
Amp 1.178
Phase -102.2
PFD 0.0e+00
Delays (us)
SBD -0.003677
MBD -0.003811
Fringe rate (Hz)
-0.011894
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.500
Exp. c171a
Exper # 16383
Yr:day 2017:090
Start 050011.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052
2017:215:024700
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"

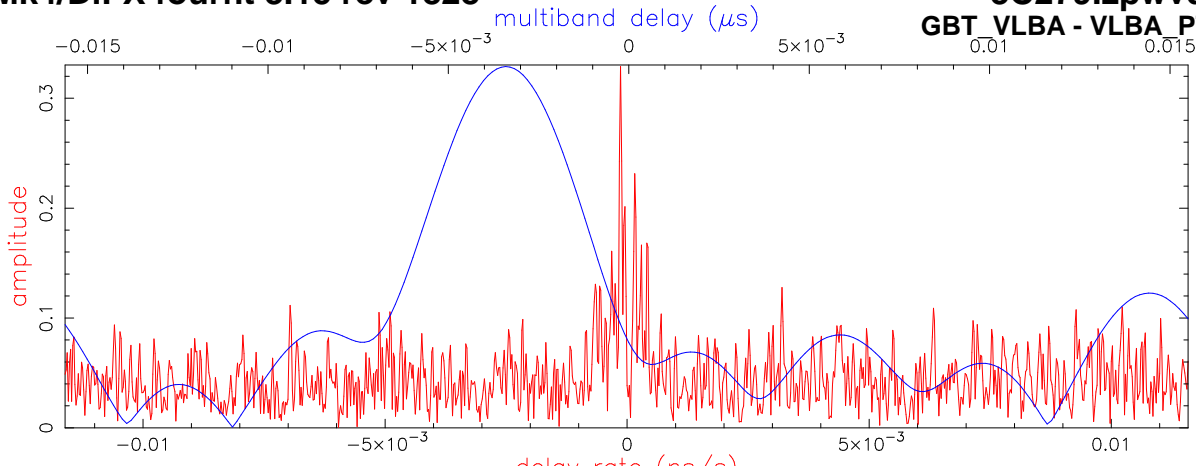


Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec

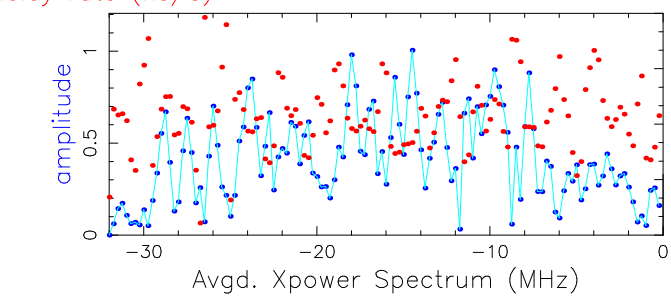
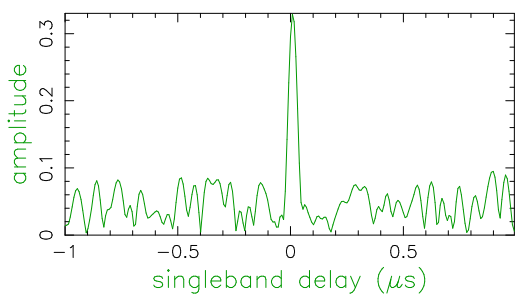


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	-101.3	-96.8	-103.5	-104.1	-111.2	-107.2	-100.3	-93.4	Phase	-102.2
	1.3	1.4	1.2	1.2	1.1	1.2	1.1	0.9	Ampl.	1.2
	128.4	128.4	128.7	128.4	128.2	128.5	128.6	129.0	Sbd box	128.5
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
p	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G:p	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:p	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
G	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
p	1000	1000	1000	1000	1000	1000	1000	1000		
G	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
									Tracks	
p	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
									Tracks	
Group delay (usec)(sbd)	2.44176423632E+03		Apriori delay (usec)		2.44176804717E+03		Resid mbdelay (usec)		-3.81085E-03	+/- 6.3E-05
Sband delay (usec)	2.44176437017E+03		Apriori clock (usec)		-1.3638536E+01		Resid sbdelay (usec)		-3.67700E-03	+/- 5.0E-04
Phase delay (usec)	2.44176804388E+03		Apriori clockrate (us/s)		-3.4534699E-08		Resid phdelay (usec)		-3.29675E-06	+/- 1.1E-07
Delay rate (us/s)	-5.81258953735E-01		Apriori rate (us/s)		-5.81258815663E-01		Resid rate (us/s)		-1.38072E-07	+/- 8.1E-10
Total phase (deg)	107.9		Apriori accel (us/s/s)		-1.37263127482E-05		Resid phase (deg)		-102.2	+/- 3.3

ph/seg (deg) 66.2 8.0 Search (1024X32) 1.150 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
amp/seg (%) 67.9 13.9 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
ph/frq (deg) 6.1 4.7 Inc. seg. avg. 1.798 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
amp/frq (%) 10.3 8.2 Inc. frq. avg. 1.159 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
G: az 165.5 el 44.7 pa -11.0 p: az 130.1 el 35.7 pa -39.2 u,v (fr/asec) 3336.773 623.010 simultaneous interpolator
Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/Gp..zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/Gp.W.178.zpwwdj

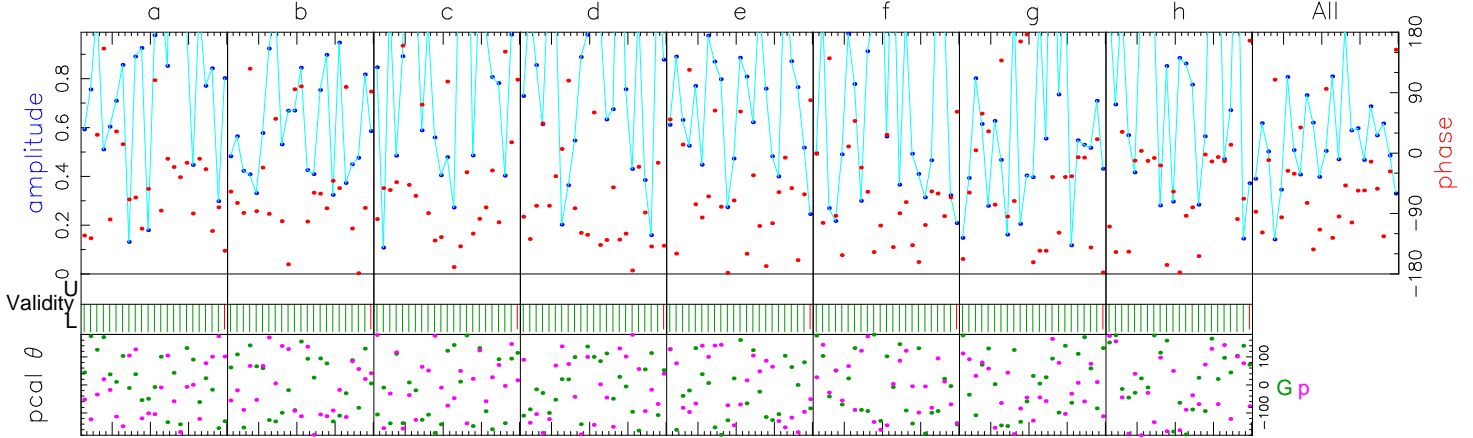


Fringe quality 9
 SNR 9.7
 Int time 228.985
 Amp 0.330
 Phase -70.1
 PFD 4.4e-14
 Delays (us)
 SBD 0.009794
 MBD -0.003428
 Fringe rate (Hz)
 -0.011679
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.500



Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050011.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024702
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"

Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec

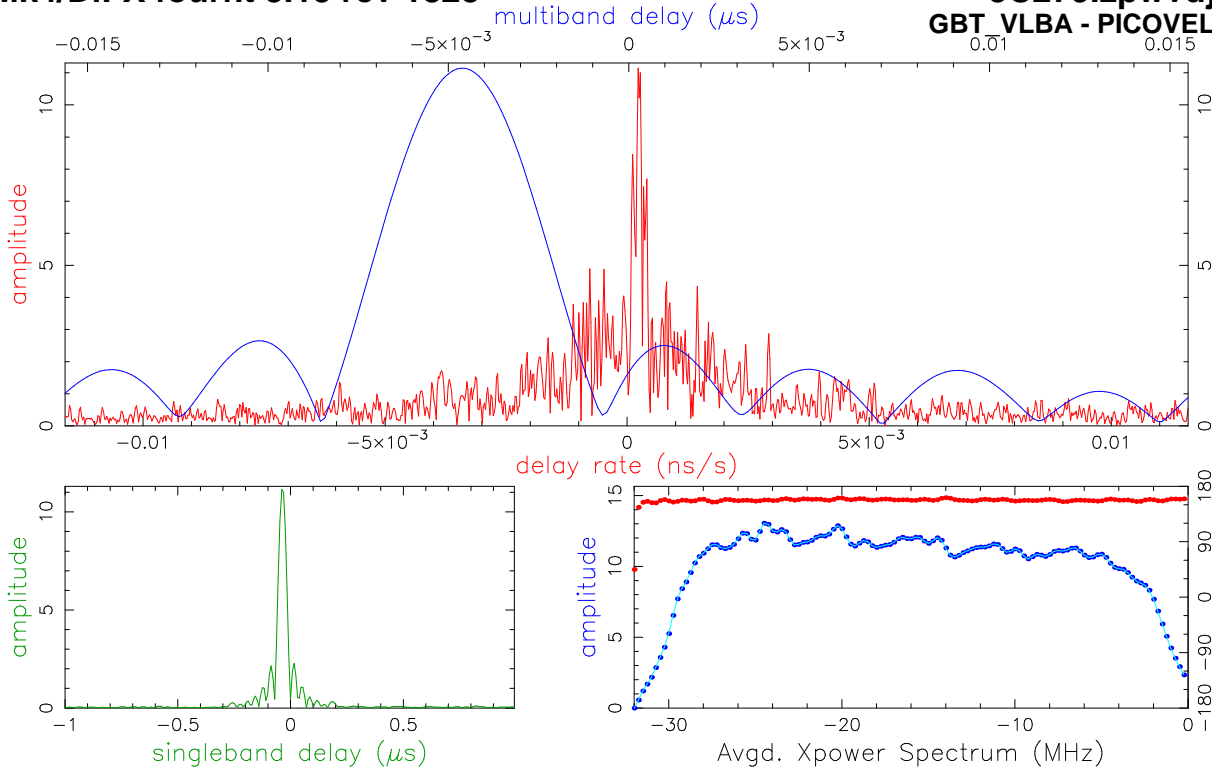


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458		
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000		
p	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000		
G:p	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
G:p	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
G	1000	1000	1000	1000	1000	1000	1000	1000		
p	1000	1000	1000	1000	1000	1000	1000	1000		
G	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR		
p	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL		

Group delay (usec)(sbd)	2.44176461926E+03	Apriori delay (usec)	2.44176804717E+03	Resid mbdelay (usec)	-3.42791E-03	+/-	2.2E-04
Sband delay (usec)	2.44177784067E+03	Apriori clock (usec)	-1.3638536E+01	Resid sbdelay (usec)	9.79350E-03	+/-	1.8E-03
Phase delay (usec)	2.44176804492E+03	Apriori clockrate (us/s)	-3.4534699E-08	Resid phdelay (usec)	-2.25903E-06	+/-	3.8E-07
Delay rate (us/s)	-5.81258951243E-01	Apriori rate (us/s)	-5.81258815663E-01	Resid rate (us/s)	-1.35580E-07	+/-	2.9E-09
Total phase (deg)	140.0	Apriori accel (us/s/s)	-1.37263127482E-05	Resid phase (deg)	-70.1	+/-	11.9

ph/seg (deg)	72.3	Theor.	28.4	Amplitude	0.330 +/- 0.034	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5
amp/seg (%)	86.2	Search (1024X32)	0.321	Apriori clock (usec)	0.321	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000
ph/frq (deg)	18.7	Interp.	0.000	Apriori clockrate (us/s)	0.000	Bits/sample:	2x2	SampCntNorm:	enabled
amp/frq (%)	28.4	Inc. seg. avg.	0.489	Apriori rate (us/s)	0.331	Sample rate(MSamp/s):	64	mb window (us)	-0.016 0.016
		Inc. frq. avg.	0.331	Apriori accel (us/s/s)	-1.37263127482E-05	Data rate(Mb/s):	1024	dr window (ns/s)	-0.012 0.012
						nlags:	128	ion window (TEC)	0.00 0.00

G: az 165.5 el 44.7 pa -11.0 p: az 130.1 el 35.7 pa -39.2 u,v (fr/asec) 3336.773 623.010 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/Gp..zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/Gp.W.180.zpwvdj

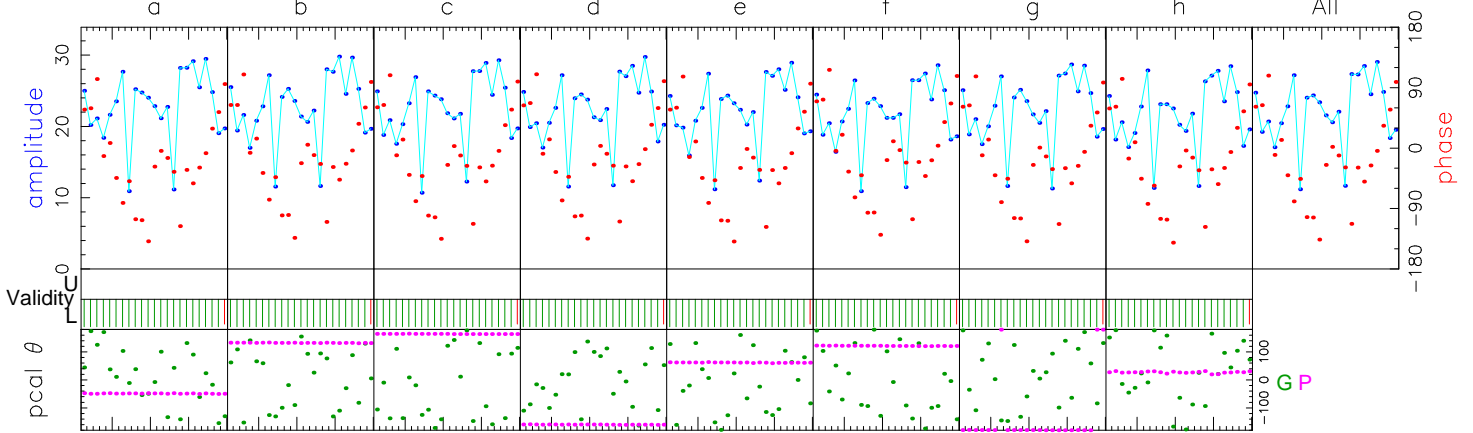


Fringe quality 5

SNR 330.6
 Int time 228.673
 Amp 11.307
 Phase 157.6
 PFD 0.0e+00
 Delays (us)
 SBD -0.035833
 MBD -0.004614
 Fringe rate (Hz) 0.019818
 Ion TEC 0.000
 Ref freq (MHz) 86140.0000
 AP (sec) 0.500

Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050011.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024704
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"

Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec

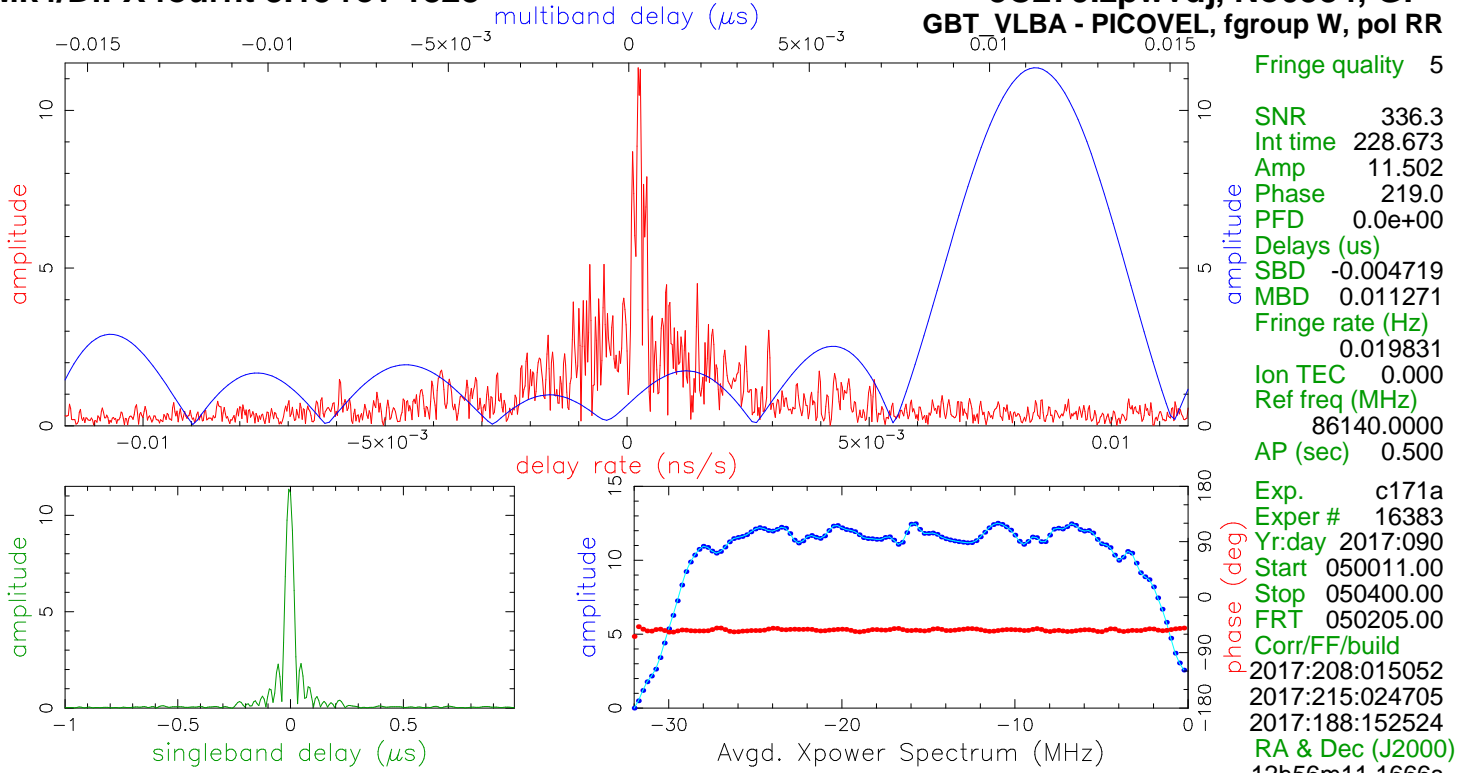


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
P	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
G	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
P	1000	1000	1000	1000	1000	1000	1000	1000		
G	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
P	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	

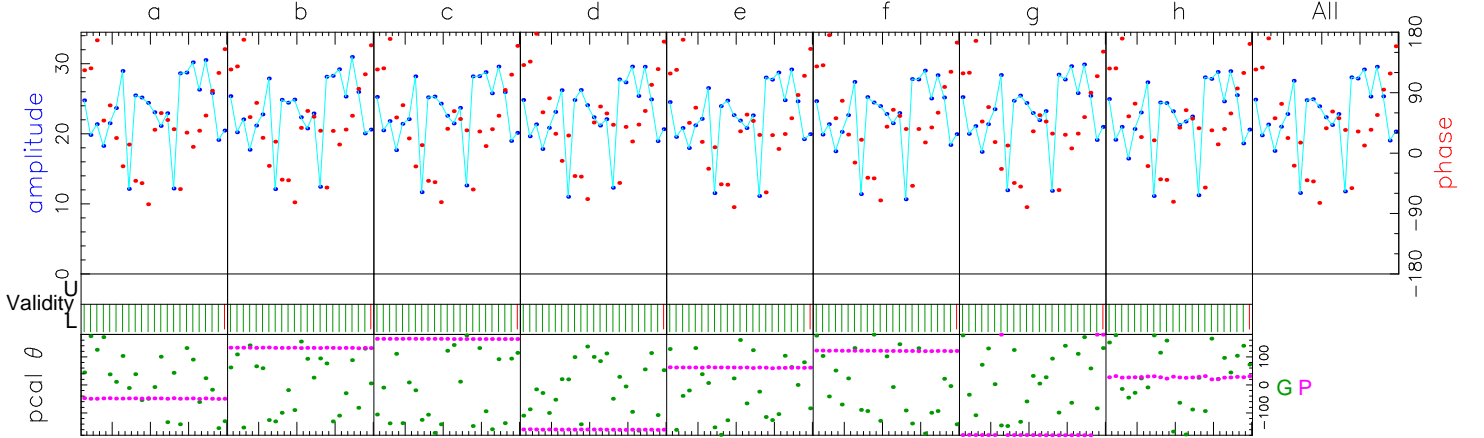
Group delay (usec)(sbd) 9.59380220576E+03 Apriori delay (usec) 9.593806991E+03 Resid mbdelay (usec) -4.61415E-03 +/- 6.6E-06
 Sband delay (usec) 9.59380223691E+03 Apriori clock (usec) -1.1681038E+01 Resid sbdelay (usec) -3.58330E-02 +/- 5.2E-05
 Phase delay (usec) 9.59383806919E+03 Apriori clockrate (us/s) -2.8999998E-07 Resid phdelay (usec) -7.23229E-07 +/- 1.1E-08
 Delay rate (us/s) 1.33880109556E+00 Apriori rate (us/s) 1.33880086549E+00 Resid rate (us/s) 2.30066E-07 +/- 8.5E-11
 Total phase (deg) 280.7 Apriori accel (us/s/s) -5.12910922499E-05 Resid phase (deg) 157.6 +/- 0.3

RMS Theor. Amplitude 11.307 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 64.6 0.8 Search (1024X32) 10.973 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 amp/seg (%) 104.7 1.5 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 ph/frq (deg) 4.3 0.5 Inc. seg. avg. 22.202 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 amp/frq (%) 2.5 0.9 Inc. frq. avg. 11.173 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite ion window (TEC) 0.00 0.00

G: az 165.5 el 44.7 pa -11.0 P: az 250.4 el 15.1 pa 49.1 u,v (fr/asec) -7743.925 575.690 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/GP..zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/GP.W.181.zpwwdj



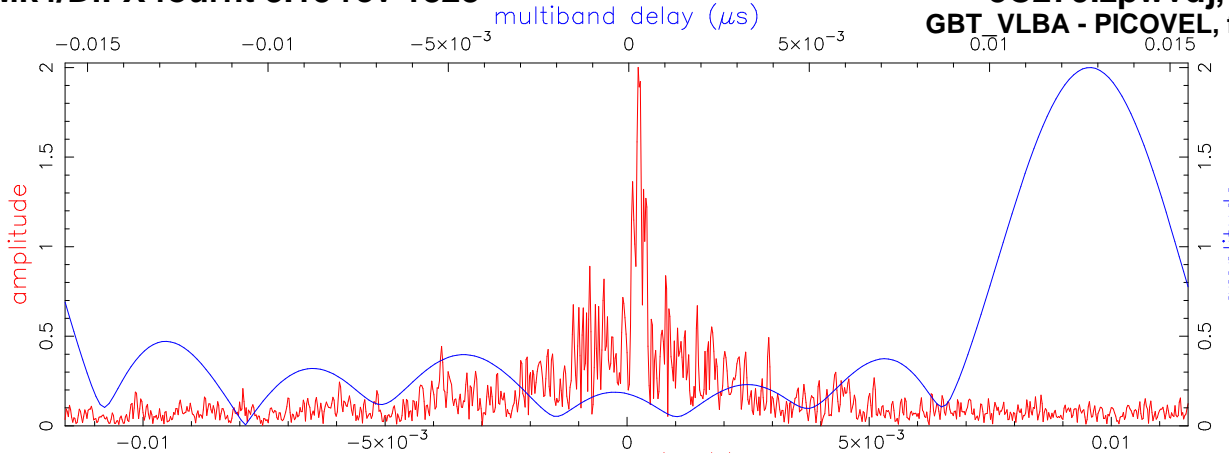
Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec



	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	36.9	40.3	38.4	46.3	33.7	42.1	34.1	40.6	Phase	39.0
	11.7	11.5	11.5	11.2	11.1	11.2	11.6	11.2	Ampl.	11.4
	128.2	128.5	128.5	128.5	128.3	128.5	128.2	128.6	Sbd box	128.4
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
P	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
G	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
P	1000	1000	1000	1000	1000	1000	1000	1000		
G	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
P	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)		9.59381809139E+03		Apriori delay (usec)		9.59383806991E+03		Resid mbdelay (usec)	1.12715E-02	+/- 6.5E-06
Sband delay (usec)		9.59383335041E+03		Apriori clock (usec)		-1.1681038E+01		Resid sbdelay (usec)	-4.71950E-03	+/- 5.1E-05
Phase delay (usec)		9.59383807117E+03		Apriori clockrate (us/s)		-2.8999998E-07		Resid phdelay (usec)	1.25880E-06	+/- 1.1E-08
Delay rate (us/s)		1.33880109571E+00		Apriori rate (us/s)		1.33880086549E+00		Resid rate (us/s)	2.30223E-07	+/- 8.3E-11
Total phase (deg)			342.2	Apriori accel (us/s/s)		-5.12910922499E-05		Resid phase (deg)	219.0	+/- 0.3

	RMS	Theor.	Amplitude	11.502 +/- 0.034	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5			
ph/seg (deg)	64.8	0.8	Search (1024X32)	10.962	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000	1.000	
amp/seg (%)	106.0	1.4	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	mb window (us)	-0.016	0.016
ph/frq (deg)	4.5	0.5	Inc. seg. avg.	22.757	Sample rate(MSamp/s): 64		dr window (ns/s)	-0.012	0.012
amp/frq (%)	2.1	0.8	Inc. frq. avg.	11.379	Data rate(Mb/s): 1024	nlags: 128 t_cohere infinite	ion window (TEC)	0.00	0.00

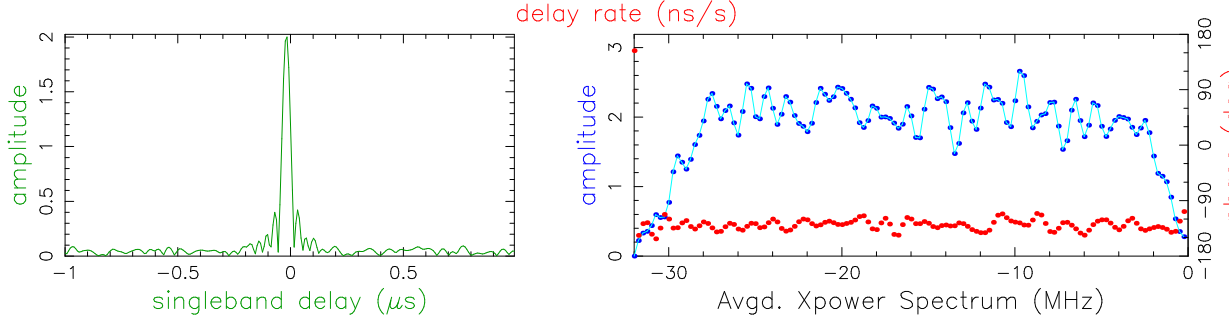
G: az 165.5 el 44.7 pa -11.0 P: az 250.4 el 15.1 pa 49.1 u,v (fr/asec) -7743.925 575.690 simultaneous interpolator
Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/GP.zpvdj Output file: /Exps/c171a/gmva/1234/No0584/GP.W.182.zpvdj



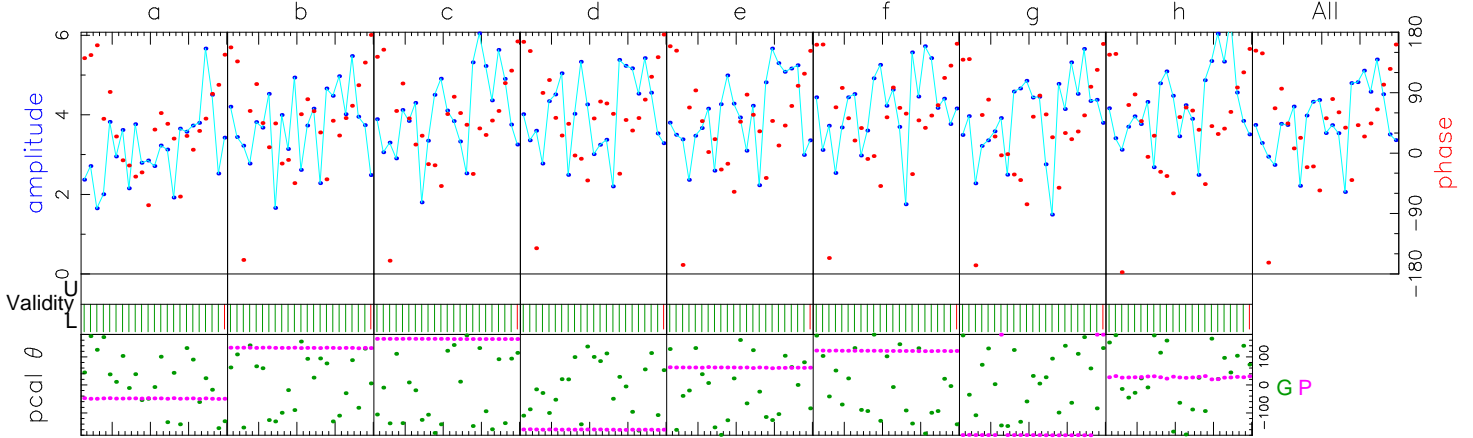
Fringe quality 5

SNR 59.2
Int time 228.673
Amp 2.026
Phase 231.2
PFD 0.0e+00
Delays (us)
SBD -0.018631
MBD 0.012771
Fringe rate (Hz) 0.020238
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.500

Exp. c171a
Exper # 16383
Yr:day 2017:090
Start 050011.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052
2017:215:024706
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"

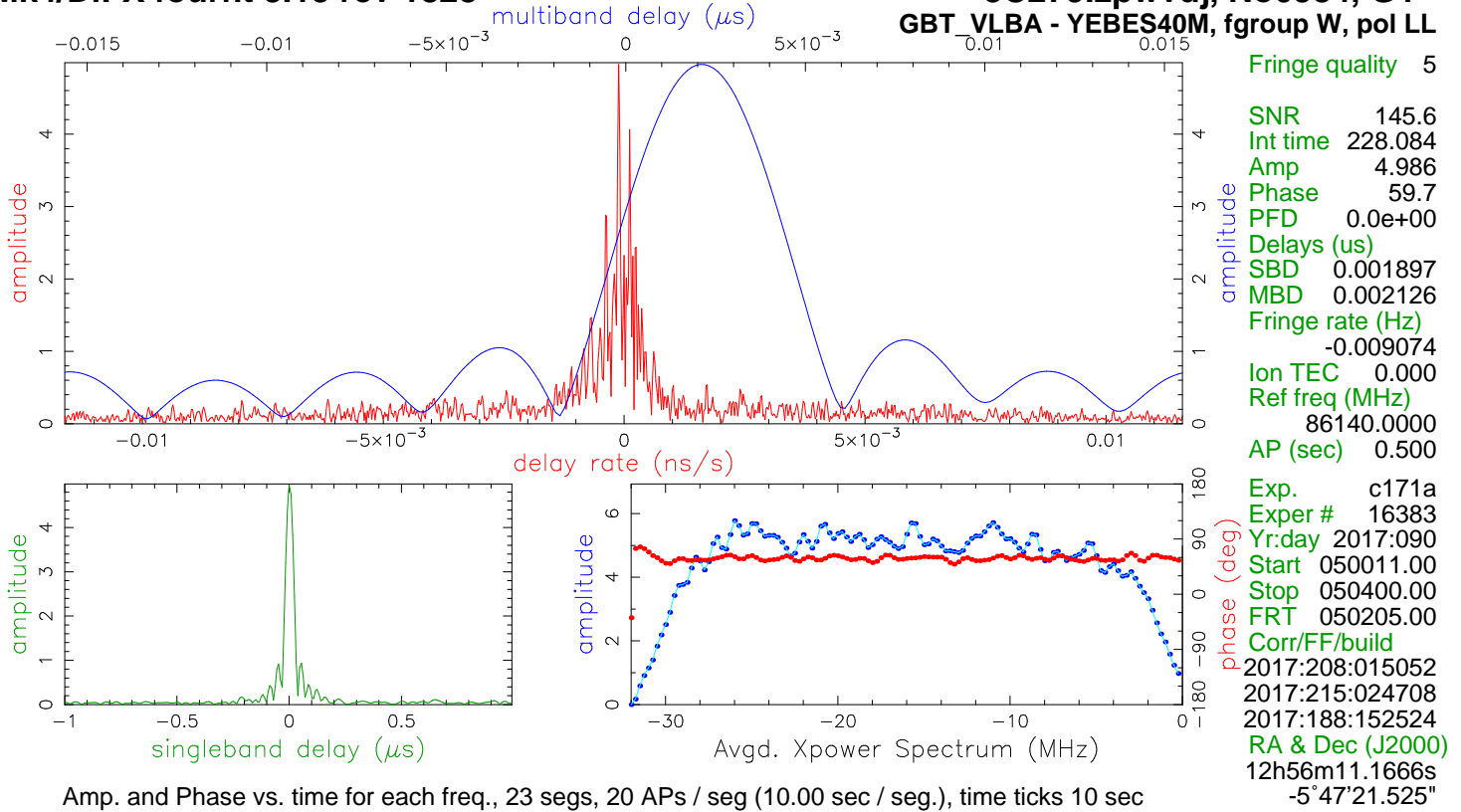


Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec

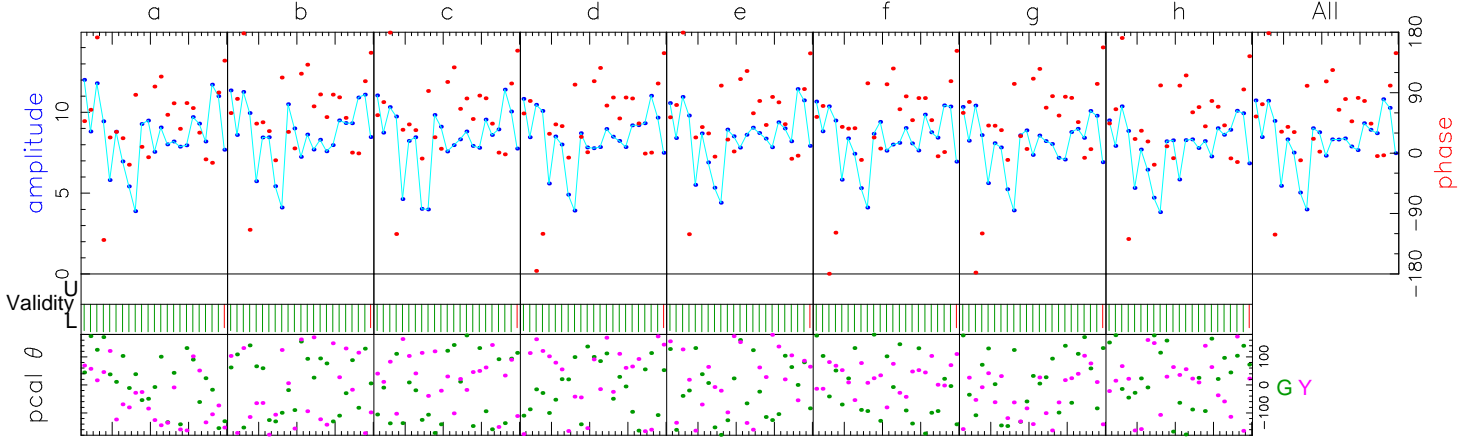


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	37.9	55.3	53.1	59.9	48.5	59.9	43.0	48.4	Phase	51.2
	1.7	2.0	2.2	2.1	2.1	2.1	1.8	2.2	Ampl.	2.0
	126.3	126.7	126.8	126.7	126.5	126.7	126.4	126.9	Sbd box	126.6
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
P	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
G	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
P	1000	1000	1000	1000	1000	1000	1000	1000		
G	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
P	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	9.59381959089E+03		Apriori delay (usec)		9.59383806991E+03		Resid mbdelay (usec)		1.27710E-02	+/- 3.7E-05
Sband delay (usec)	9.59381943891E+03		Apriori clock (usec)		-1.1681038E+01		Resid sbdelay (usec)		-1.86310E-02	+/- 2.9E-04
Phase delay (usec)	9.59383807156E+03		Apriori clockrate (us/s)		-2.8999998E-07		Resid phdelay (usec)		1.65055E-06	+/- 6.2E-08
Delay rate (us/s)	1.33880110043E+00		Apriori rate (us/s)		1.33880086549E+00		Resid rate (us/s)		2.34940E-07	+/- 4.7E-10
Total phase (deg)	354.3		Apriori accel (us/s/s)		-5.12910922499E-05		Resid phase (deg)		231.2	+/- 1.9

ph/seg (deg) 65.2 4.6 Theor. Amplitude 2.026 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 98.8 8.1 Search (1024X32) 1.939 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 8.5 2.7 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 8.8 4.8 Inc. seg. avg. 3.829 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 G: az 165.5 el 44.7 pa -11.0 P: az 250.4 el 15.1 pa 49.1 u,v (fr/asec) -7743.925 575.690 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/GP.zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/GP.W.183.zpwwdj



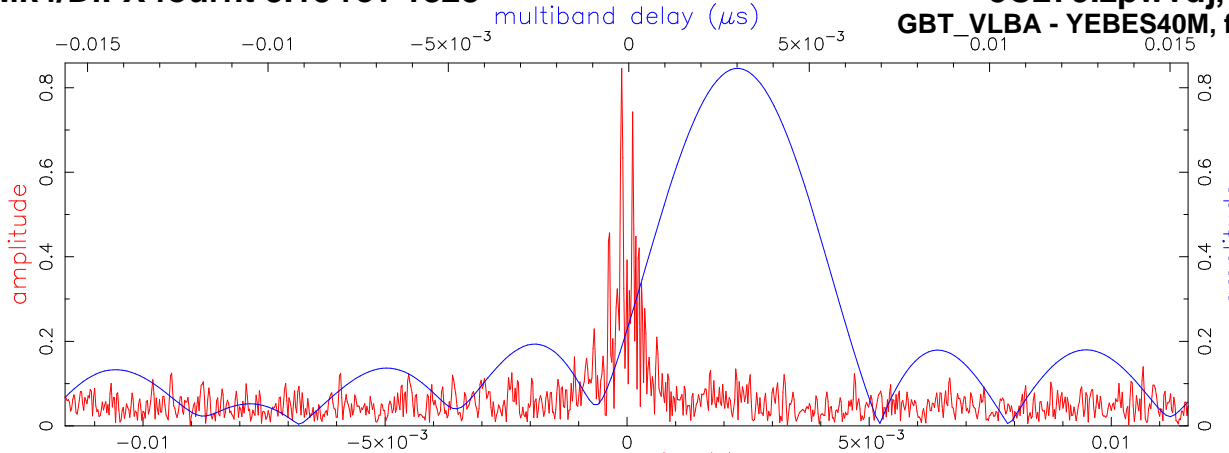
Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec



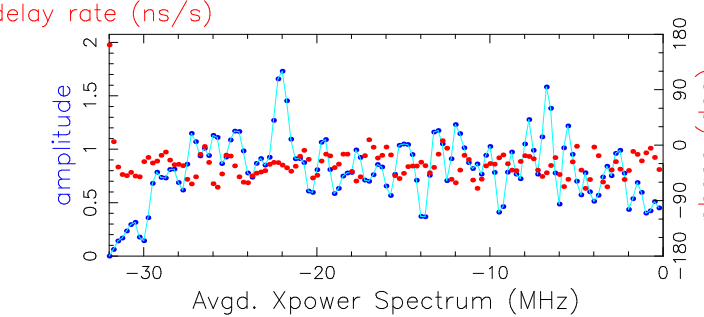
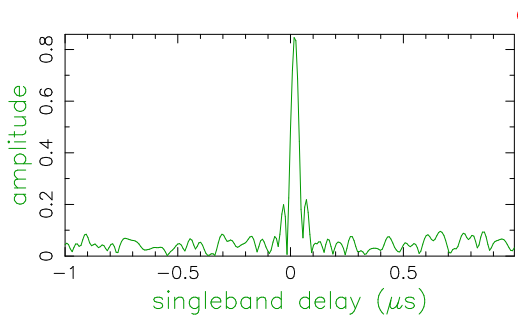
	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458		
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000		
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000		
G:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
G:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
G	1000	1000	1000	1000	1000	1000	1000	1000		
Y	1000	1000	1000	1000	1000	1000	1000	1000		
G	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL		
Y	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL		
Group delay (usec)(sbd)		1.00901569378E+04		Apriori delay (usec)		1.00901548113E+04		Resid mbdelay (usec)	2.12648E-03	+/- 1.5E-05
Sband delay (usec)		1.00901567083E+04		Apriori clock (usec)		-1.5028654E+01		Resid sbdelay (usec)	1.89700E-03	+/- 1.2E-04
Phase delay (usec)		1.00901548132E+04		Apriori clockrate (us/s)		-2.2999999E-07		Resid phdelay (usec)	1.92563E-06	+/- 2.5E-08
Delay rate (us/s)		1.28750712661E+00		Apriori rate (us/s)		1.28750723195E+00		Resid rate (us/s)	-1.05339E-07	+/- 1.9E-10
Total phase (deg)			220.3	Apriori accel (us/s/s)		-5.34051368417E-05		Resid phase (deg)	59.7	+/- 0.8

	RMS	Theor.	Amplitude	4.986 +/- 0.034	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-1.000	1.000
ph/seg (deg)	60.8	1.9	Search (1024X32)	4.763	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		mb window (us)	-0.016	0.016
amp/seg (%)	74.7	3.3	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	dr window (ns/s)	-0.012	0.012
ph/frq (deg)	6.0	1.1	Inc. seg. avg.	8.296	Sample rate(MSamp/s): 64		ion window (TEC)	0.00	0.00
amp/frq (%)	3.2	1.9	Inc. frq. avg.	4.982	Data rate(Mb/s): 1024	nlags: 128 t_cohere infinite			

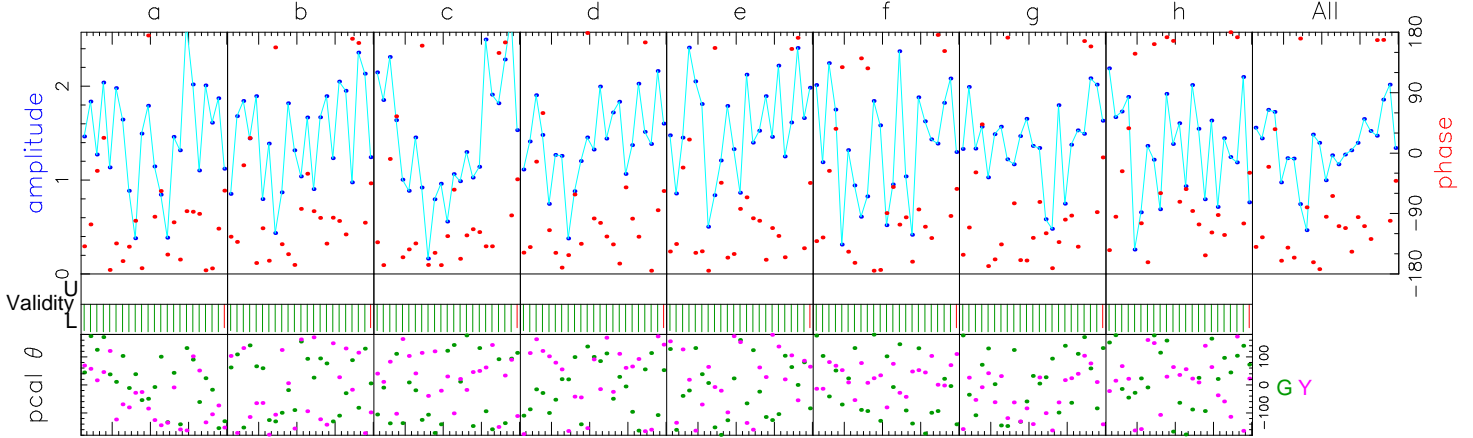
G: az 165.5 el 44.7 pa -11.0 Y: az 249.7 el 13.7 pa 45.9 u,v (fr/asec) -7450.307 179.905 simultaneous interpolator
Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/GY..zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/GY.W.185.zpwvdj



Fringe quality 7
SNR 25.1
Int time 228.084
Amp 0.859
Phase -305.6
PFD 0.0e+00
Delays (us)
SBD 0.018894
MBD 0.003030
Fringe rate (Hz)
-0.009207
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.500
Exp. c171a
Exper # 16383
Yr:day 2017:090
Start 050011.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052
2017:215:024709
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"



Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec

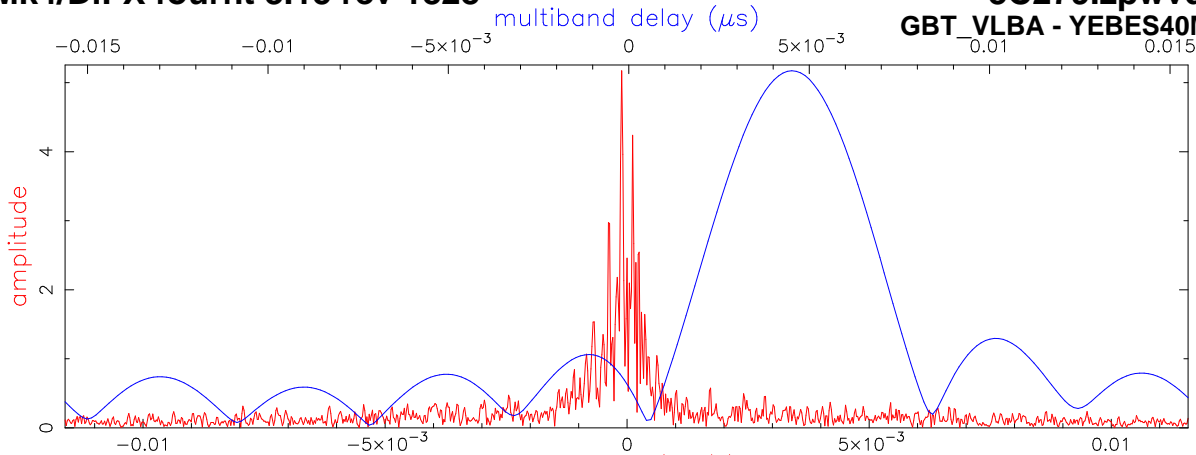


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	-122.6	-119.6	-136.4	-123.5	-127.7	-124.3	-130.9	-119.7	Phase	-125.6
	0.9	0.9	0.8	0.9	0.9	0.7	0.8	0.7	Ampl.	0.8
	131.2	131.8	131.6	131.4	131.6	131.5	131.5	130.8	Sbd box	131.4
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
G	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y	1000	1000	1000	1000	1000	1000	1000	1000		
G	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
									Tracks	
Y	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
									Tracks	

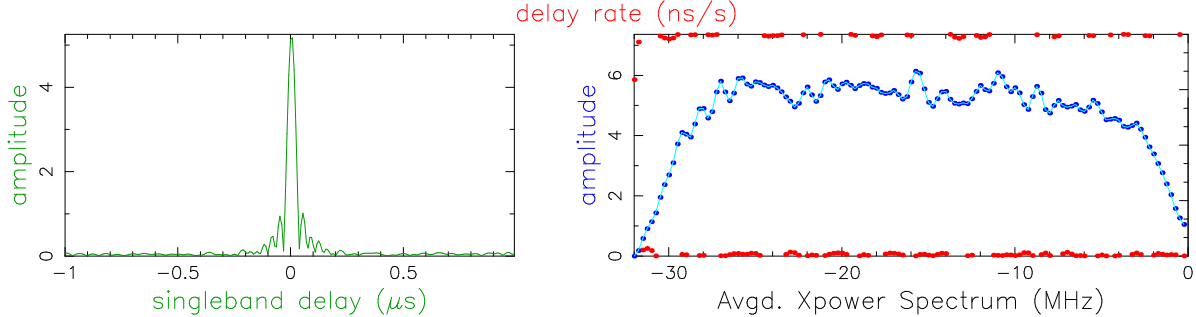
Group delay (usec)(sbd)	1.00901890913E+04	Apriori delay (usec)	1.00901548113E+04	Resid mbdelay (usec)	3.03004E-03	+/-	8.7E-05
Sband delay (usec)	1.00901737053E+04	Apriori clock (usec)	-1.5028654E+01	Resid sbdelay (usec)	1.88940E-02	+/-	6.9E-04
Phase delay (usec)	1.00901548073E+04	Apriori clockrate (us/s)	-2.2999999E-07	Resid phdelay (usec)	-4.04875E-06	+/-	1.5E-07
Delay rate (us/s)	1.28750712507E+00	Apriori rate (us/s)	1.28750723195E+00	Resid rate (us/s)	-1.06887E-07	+/-	1.1E-09
Total phase (deg)	-145.0	Apriori accel (us/s/s)	-5.34051368417E-05	Resid phase (deg)	-305.6	+/-	4.6

ph/seg (deg)	56.0	RMS	11.0	Theor.	11.0	Amplitude	0.859 +/- 0.034	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5
amp/seg (%)	70.9	Search (1024X32)	0.825	Interp.	0.000	Apriori rate (us/s)	1.28750723195E+00	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000
ph/frq (deg)	6.3	Inc. seg. avg.	1.336	Inc. frq. avg.	0.844	Bits/sample:	2x2	SampCntNorm:	enabled	mb window (us)	-0.016 0.016
amp/frq (%)	8.8	Inc. frq. avg.	0.844	u,v (fr/asec)	-7450.307 179.905	Sample rate (MSamp/s):	64	Data rate (Mb/s):	1024	dr window (ns/s)	-0.012 0.012
						Data rate (Mb/s):	1024	nlags:	128	ion window (TEC)	0.00 0.00

G: az 165.5 el 44.7 pa -11.0 Y: az 249.7 el 13.7 pa 45.9 u,v (fr/asec) -7450.307 179.905 simultaneous interpolator
Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/GY..zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/GY.W.186.zpwwdj

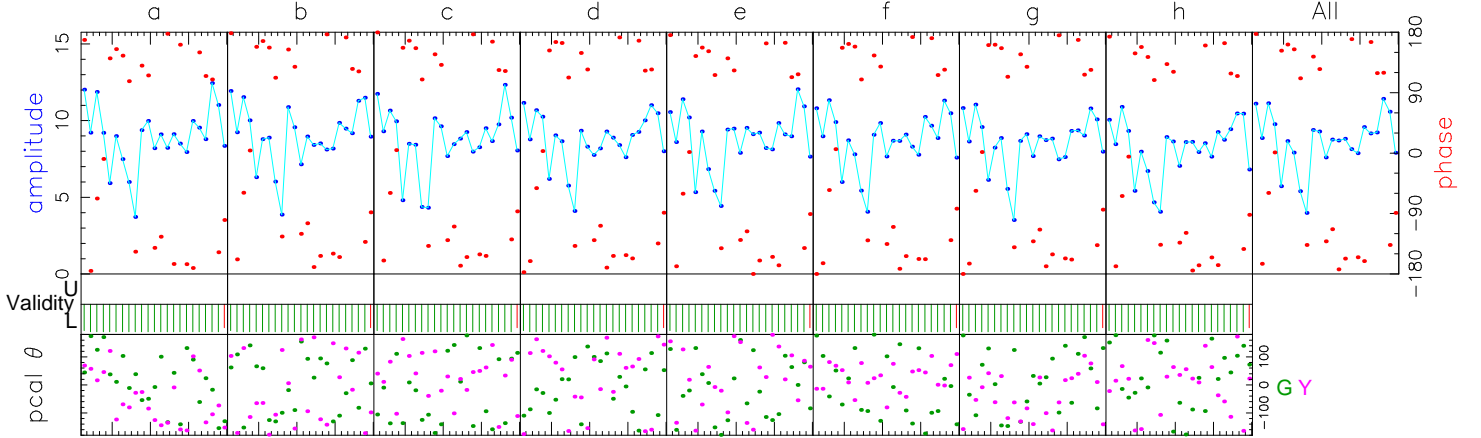


Fringe quality 5
SNR 153.5
Int time 228.084
Amp 5.256
Phase -178.1
PFD 0.0e+00
Delays (us)
SBD 0.004337
MBD 0.004506
Fringe rate (Hz)
-0.009077
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.500

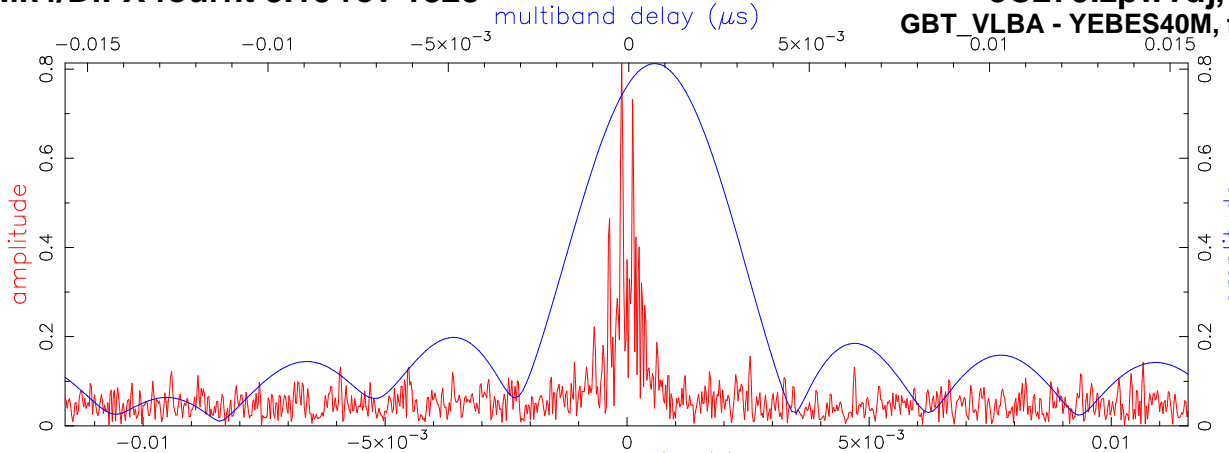


Exp. c171a
Exper # 16383
Yr:day 2017:090
Start 050011.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052
2017:215:024710
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"

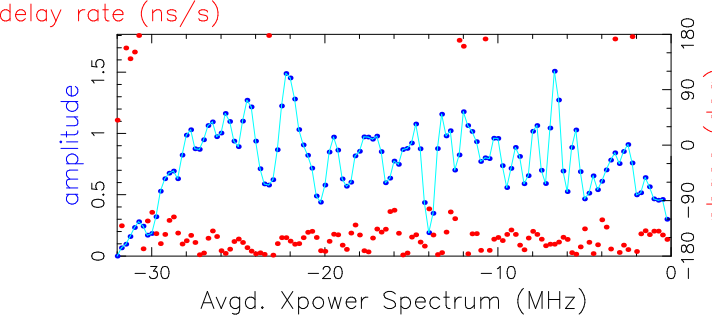
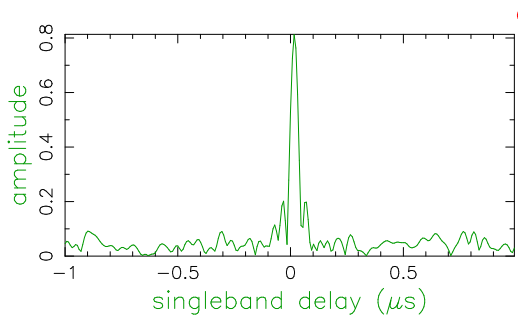
Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec



	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All	
	172.1	-172.5	-174.2	-175.4	178.9	-175.9	-175.6	177.6	Phase	-178.1	
	5.4	5.3	5.3	5.2	5.2	5.2	5.1	4.9	Ampl.	5.2	
	129.7	129.7	129.5	129.5	129.5	129.6	129.6	129.3	Sbd box	129.6	
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used		
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs		
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs		
G:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase		
G:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC		
G	1000	1000	1000	1000	1000	1000	1000	1000	PC amp		
Y	1000	1000	1000	1000	1000	1000	1000	1000			
G	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids		
Y	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks		
									Chan ids		
									Tracks		
Group delay (usec)(sbd)	1.00901593176E+04		Apriori delay (usec)		1.00901548113E+04		Resid mbdelay (usec)		4.50629E-03	+/- 1.4E-05	
Sband delay (usec)	1.00901591488E+04		Apriori clock (usec)		-1.5028654E+01		Resid sbdelay (usec)		4.33750E-03	+/- 1.1E-04	
Phase delay (usec)	1.00901548056E+04		Apriori clockrate (us/s)		-2.2999999E-07		Resid phdelay (usec)		-5.74415E-06	+/- 2.4E-08	
Delay rate (us/s)	1.28750712657E+00		Apriori rate (us/s)		1.28750723195E+00		Resid rate (us/s)		-1.05378E-07	+/- 1.8E-10	
Total phase (deg)			Apriori accel (us/s/s)		-5.34051368417E-05		Resid phase (deg)		-178.1	+/- 0.7	
	RMS	Theor.	Amplitude	5.256 +/- 0.034		Pcal mode: MANUAL, MANUAL		PC period (AP's) 5, 5			
ph/seg (deg)	60.8	1.8	Search (1024X32)	4.924		Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-1.000	1.000	
amp/seg (%)	72.8	3.1	Interp.	0.000		Bits/sample: 2x2		SampCntNorm: enabled	mb window (us)	-0.016	0.016
ph/frq (deg)	5.6	1.1	Inc. seg. avg.	8.650		Sample rate(MSamp/s): 64		dr window (ns/s)	-0.012	0.012	
amp/frq (%)	3.0	1.8	Inc. frq. avg.	5.191		Data rate(Mb/s): 1024		nlags: 128 t_cohere infinite	ion window (TEC)	0.00	0.00
G: az 165.5 el 44.7 pa -11.0	Y: az 249.7 el 13.7 pa 45.9		u,v (fr/asec) -7450.307 179.905						simultaneous interpolator		

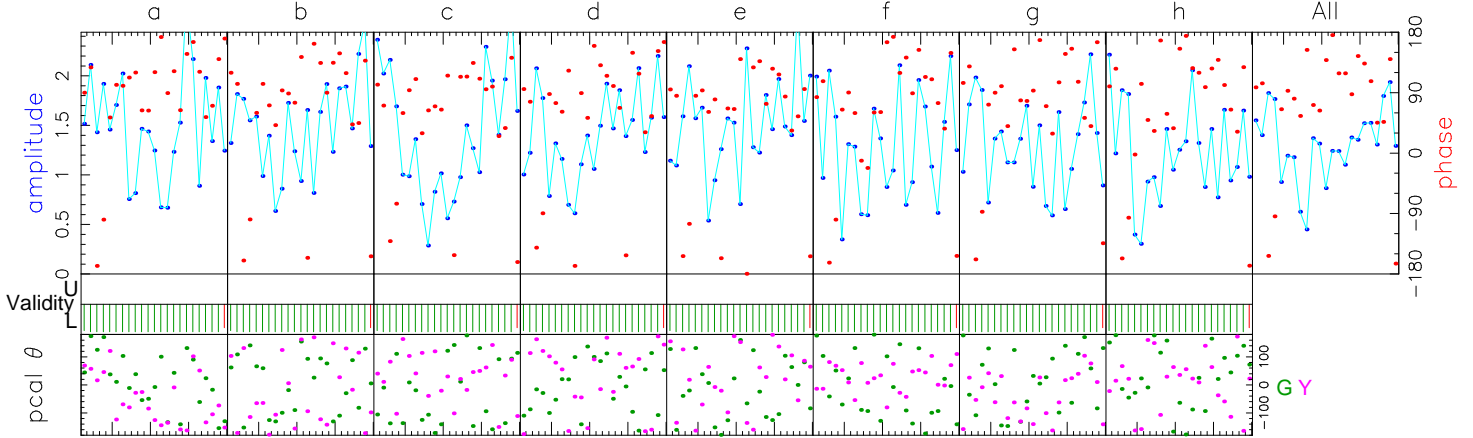


Fringe quality 9
 SNR 23.8
 Int time 228.084
 Amp 0.814
 Phase -68.7
 PFD 0.0e+00
 Delays (us)
 SBD 0.016724
 MBD 0.000723
 Fringe rate (Hz)
 -0.009253
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.500



Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050011.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024711
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"

Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec



	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	113.7	114.9	101.5	115.1	107.6	113.7	107.0	116.1	Phase	111.3
	1.0	0.9	0.8	0.8	0.9	0.7	0.7	0.7	Ampl.	0.8
	131.0	131.5	131.1	131.2	131.3	131.1	131.5	130.5	Sbd box	131.1
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
G	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y	1000	1000	1000	1000	1000	1000	1000	1000		
G	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
									Tracks	
Y	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
									Tracks	
Group delay (usec)(sbd)	1.00901867845E+04		Apriori delay (usec)		1.00901548113E+04		Resid mbdelay (usec)		7.23229E-04	+/- 9.1E-05
Sband delay (usec)	1.00901715348E+04		Apriori clock (usec)		-1.5028654E+01		Resid sbdelay (usec)		1.67235E-02	+/- 7.3E-04
Phase delay (usec)	1.00901548149E+04		Apriori clockrate (us/s)		-2.2999999E-07		Resid phdelay (usec)		3.58845E-06	+/- 1.6E-07
Delay rate (us/s)	1.28750712453E+00		Apriori rate (us/s)		1.28750723195E+00		Resid rate (us/s)		-1.07421E-07	+/- 1.2E-09
Total phase (deg)	91.9		Apriori accel (us/s/s)		-5.34051368417E-05		Resid phase (deg)		-68.7	+/- 4.8

ph/seg (deg) 54.6 11.6 Theor. Amplitude 0.814 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 75.3 20.2 Search (1024X32) 0.789 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 5.6 6.8 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 12.6 11.9 Inc. seg. avg. 1.286 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 G: az 165.5 el 44.7 pa -11.0 Y: az 249.7 el 13.7 pa 45.9 u,v (fr/asec) -7450.307 179.905 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/GY..zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/GY.W.188.zpwwdj