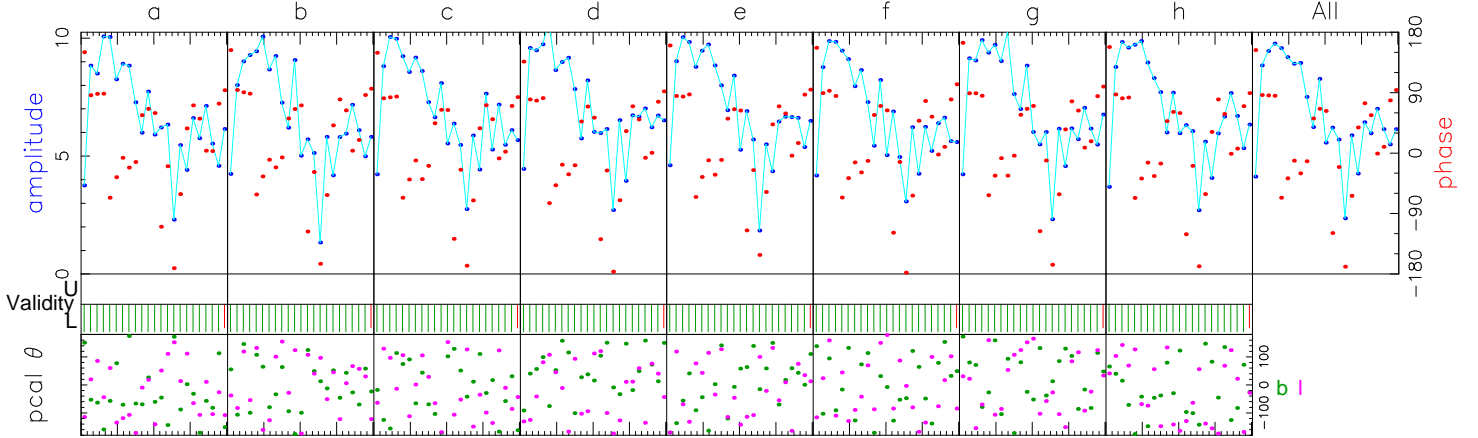


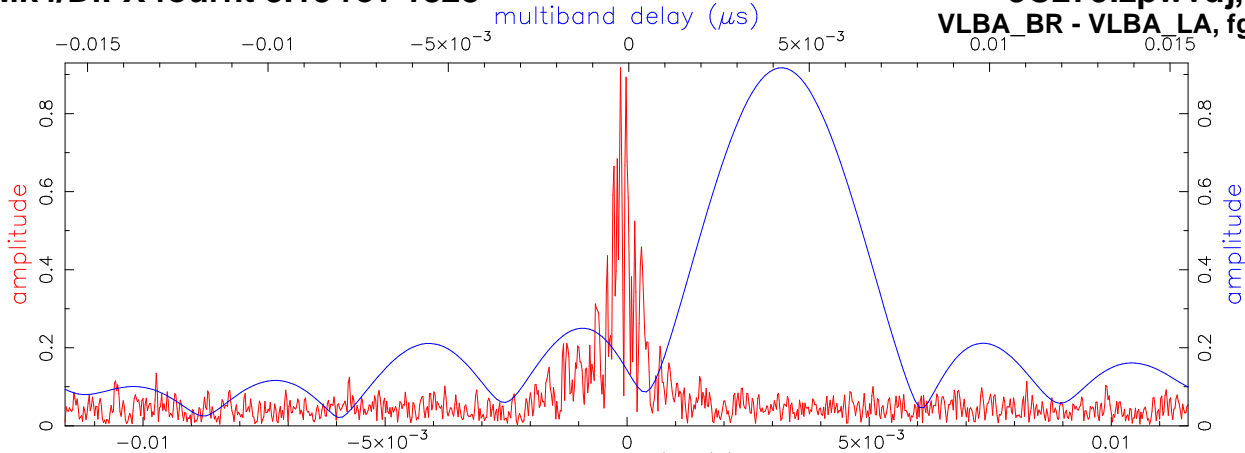
Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec



	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480		
b	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	APs used	
l	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
b:l	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
b:l	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	
l	1000	1000	1000	1000	1000	1000	1000	1000		
b	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
l	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	-5.05924852001E+03								4.94709E-03	+/- 2.1E-05
Sband delay (usec)	-5.05924842810E+03								5.03900E-03	+/- 1.7E-04
Phase delay (usec)	-5.05925346618E+03								9.25530E-07	+/- 3.6E-08
Delay rate (us/s)	4.55836431452E-02								-1.41605E-07	+/- 2.6E-10
Total phase (deg)		-207.6							28.7	+/- 1.1
			Apriori delay (usec)		-5.05925346710E+03				Resid mbdelay (usec)	
			Apriori clock (usec)		-1.9132376E-01				Resid sbdelay (usec)	
			Apriori clockrate (us/s)		1.1323990E-07				Resid phdelay (usec)	
			Apriori rate (us/s)		4.55837847504E-02				Resid rate (us/s)	
			Apriori accel (us/s/s)		2.50507436239E-05				Resid phase (deg)	
ph/seg (deg)	RMS 71.8	Theor. 2.7	Amplitude 3.418 +/- 0.033						PCal mode: MANUAL, MANUAL	PC period (AP's) 5, 5
amp/seg (%)	116.0	4.7	Search (1024X32) 3.303						PCal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us) -1.000 1.000
ph/frq (deg)	3.2	1.6	Interp. 0.000						Bits/sample: 2x2	mb window (us) -0.016 0.016
amp/frq (%)	4.1	2.8	Inc. seg. avg. 6.868						SampCntNorm: enabled	dr window (ns/s) -0.012 0.012
			Inc. frq. avg. 3.391						Sample rate(MSamp/s): 64	ion window (TEC) 0.00 0.00
									Data rate(Mb/s): 1024	
									nlags: 128 t_cohere infinite	

b: az 125.4 el 20.4 pa -33.2 l: az 132.7 el 35.9 pa -36.5 u,v (fr/asec) -243.941 1207.436 simultaneous interpolator

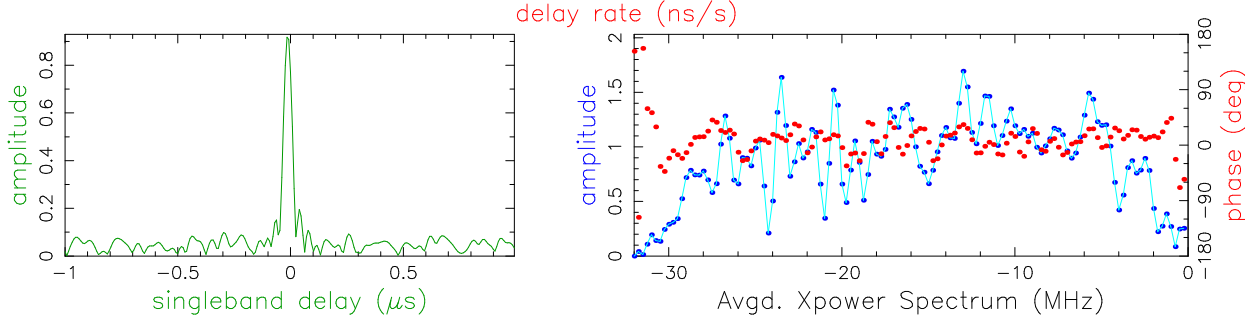
Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/bl..zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/bl.W.10.zpwwdj



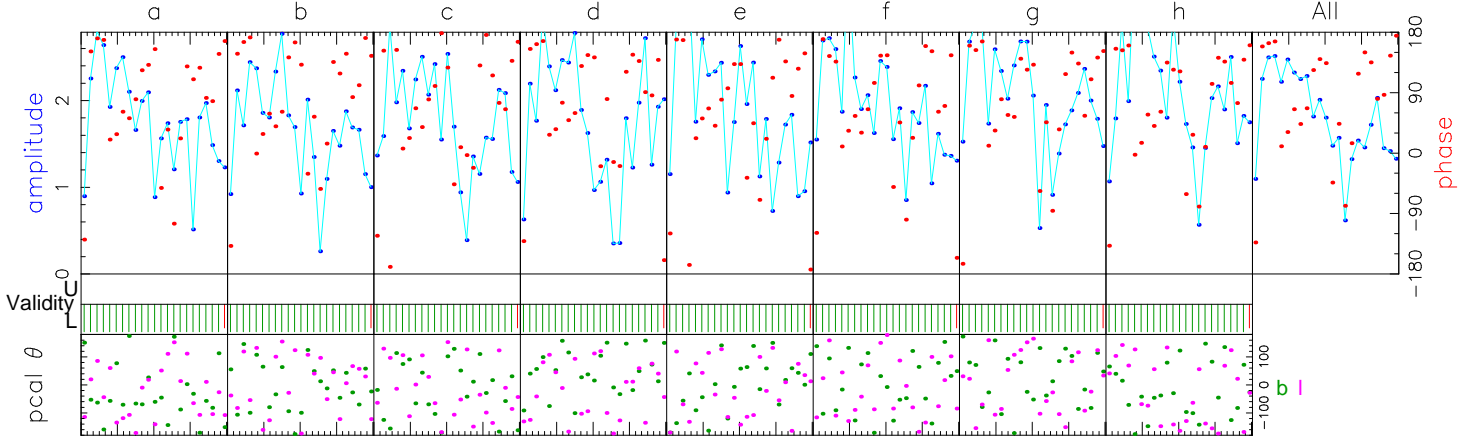
Fringe quality 7

SNR 27.8
Int time 239.988
Amp 0.930
Phase 284.2
PFD 0.0e+00
Delays (us)
SBD -0.012283
MBD 0.004233
Fringe rate (Hz)
-0.012154
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.500

Exp. c171a
Exper # 16383
Yr:day 2017:090
Start 050000.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052
2017:215:024400
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"



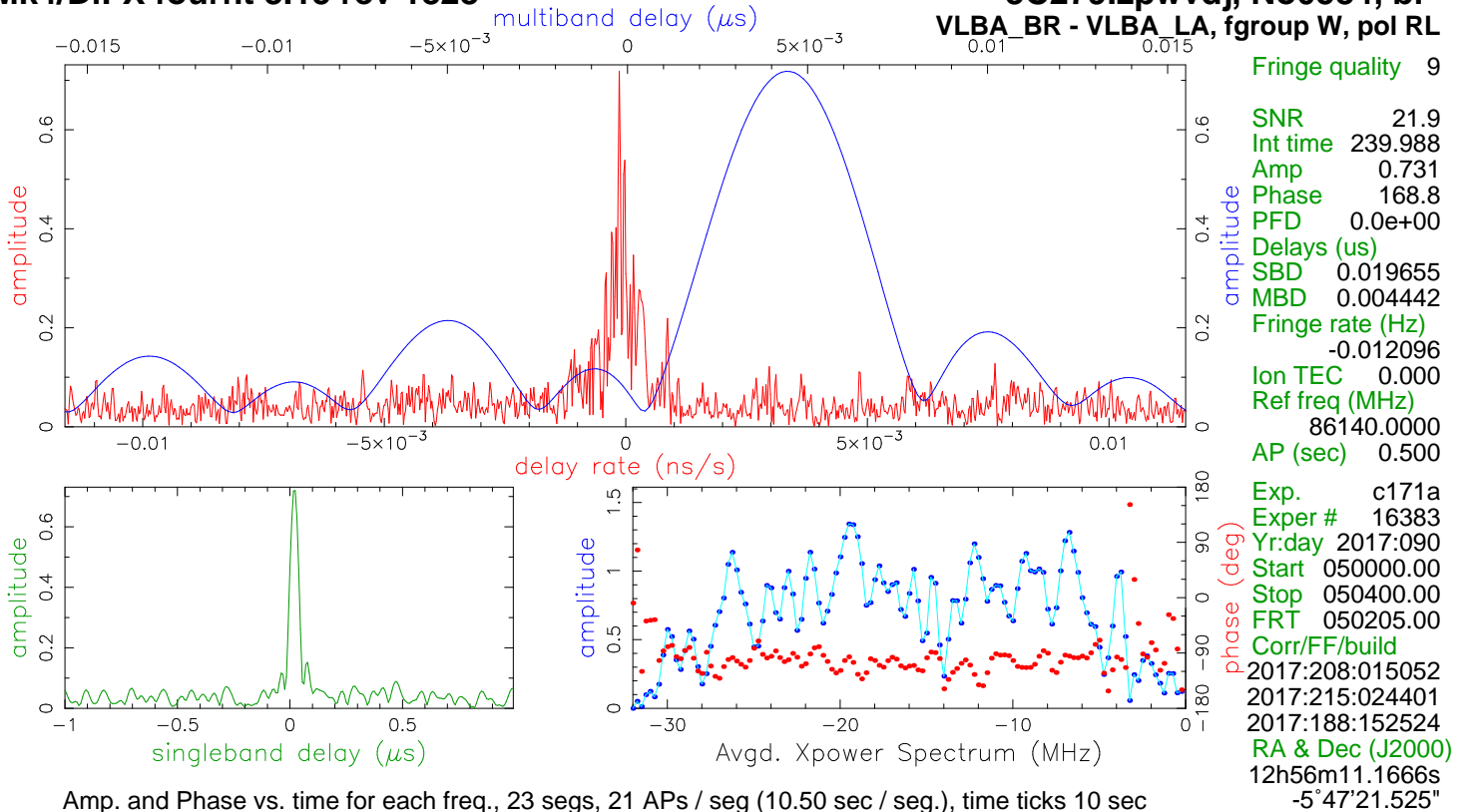
Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec



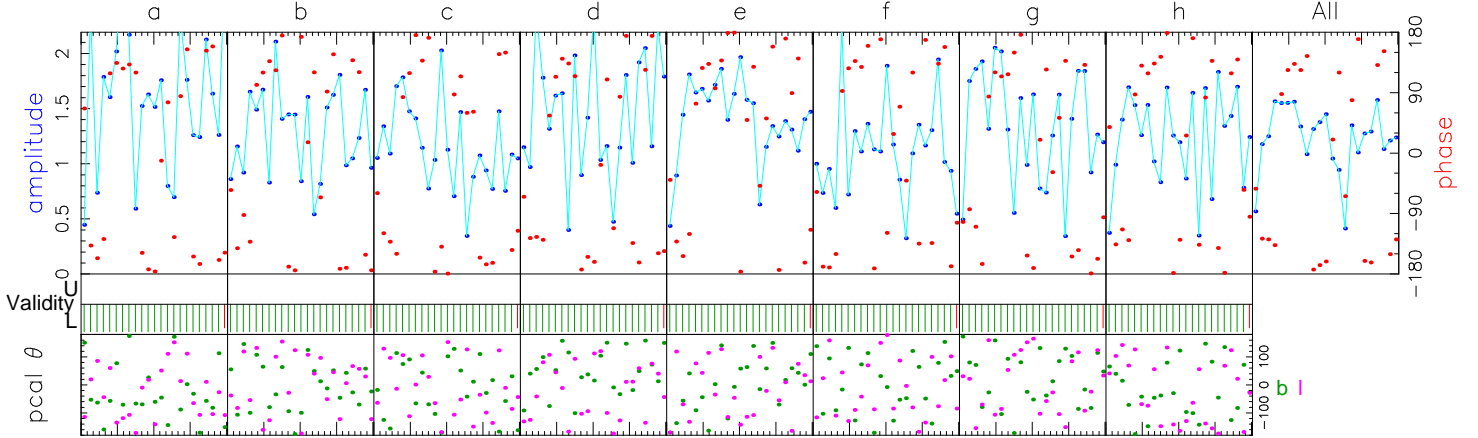
	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480	104.2	104.2
b	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	Ampl.	0.9
l	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	Sbd box	127.4
b:l	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	APs used	
b:l	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC freqs	
b	1000	1000	1000	1000	1000	1000	1000	1000	PC phase	
l	1000	1000	1000	1000	1000	1000	1000	1000	Manl PC	
b	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	PC amp	
l	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
									Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	-5.05928048420E+03		Apriori delay (usec)		-5.05925346710E+03		Resid mbdelay (usec)		4.23290E-03	+/- 7.8E-05
Sband delay (usec)	-5.05926575010E+03		Apriori clock (usec)		-1.9132376E-01		Resid sbdelay (usec)		-1.22830E-02	+/- 6.2E-04
Phase delay (usec)	-5.05925346374E+03		Apriori clockrate (us/s)		1.1323990E-07		Resid phdelay (usec)		3.35952E-06	+/- 1.3E-07
Delay rate (us/s)	4.55836436502E-02		Apriori rate (us/s)		4.55837847504E-02		Resid rate (us/s)		-1.41100E-07	+/- 9.6E-10
Total phase (deg)	47.9		Apriori accel (us/s/s)		2.50507436239E-05		Resid phase (deg)		284.2	+/- 4.1

ph/seg (deg) 73.6 9.9 Search (1024X32) 0.885 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 108.2 17.2 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 5.8 5.8 Inc. seg. avg. 1.780 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 16.5 10.2 Inc. frq. avg. 0.917 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 l: az 132.7 el 35.9 pa -36.5 u,v (fr/asec) -243.941 1207.436 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/bl..zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/bl.W.11.zpwvdj simultaneous interpolator

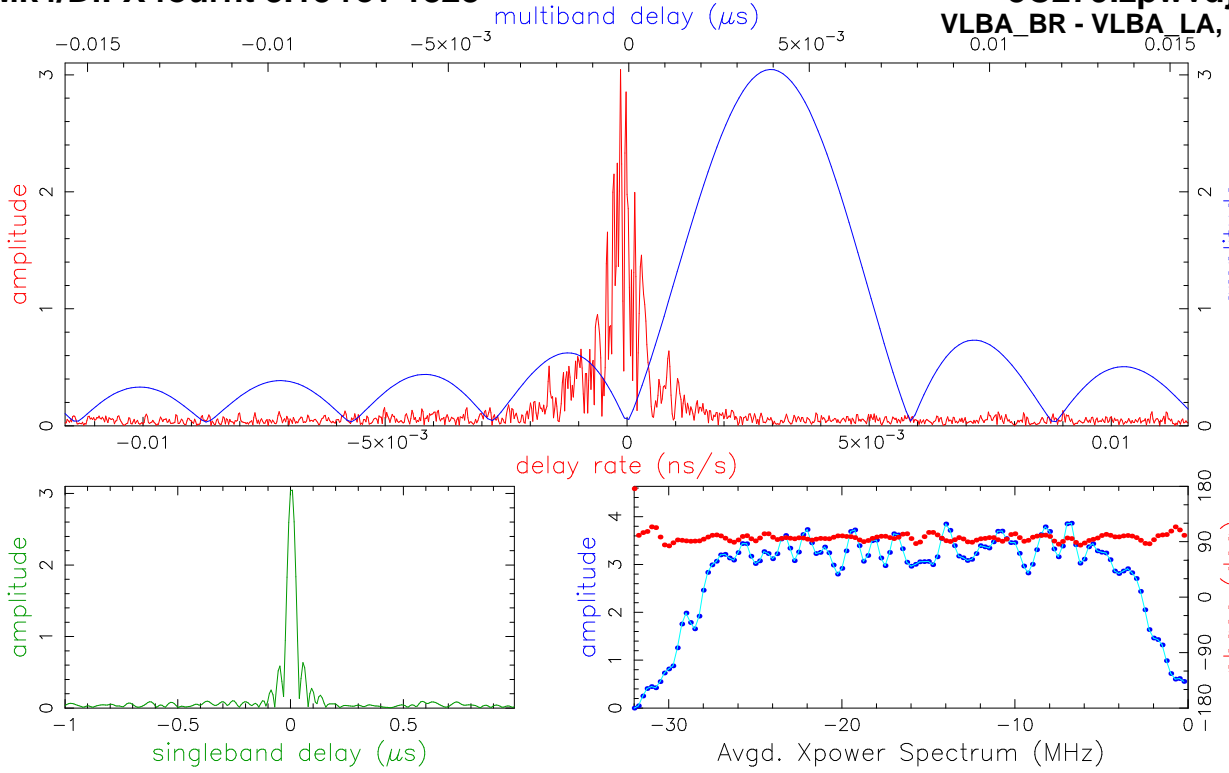


Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec



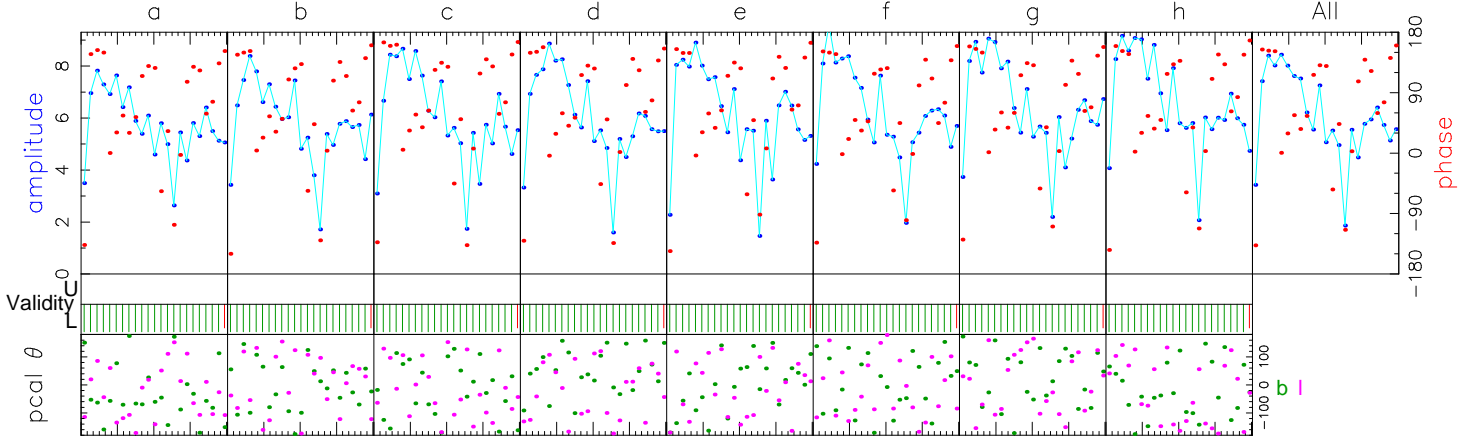
86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
166.7	164.0	176.8	-177.7	154.4	165.1	174.6	167.8	Phase	168.8
1.0	0.7	0.7	0.8	0.8	0.6	0.6	0.6	Ampl.	0.7
131.5	131.4	131.2	131.5	131.2	131.5	131.6	132.1	Sbd box	131.5
U/L 0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480	APs used	
b -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
l -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
b:l 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
b:l 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Man'l PC	
b 1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
l 1000	1000	1000	1000	1000	1000	1000	1000		
b W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
l W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
								Chan ids	
								Tracks	
Group delay (usec)(sbd)	-5.05924902495E+03		Apriori delay (usec)	-5.05925346710E+03		Resid mbdelay (usec)	4.44215E-03	+/-	9.9E-05
Sband delay (usec)	-5.05923381160E+03		Apriori clock (usec)	-1.9132376E-01		Resid sbdelay (usec)	1.96555E-02	+/-	7.9E-04
Phase delay (usec)	-5.05925346166E+03		Apriori clockrate (us/s)	1.1323990E-07		Resid phdelay (usec)	5.44361E-06	+/-	1.7E-07
Delay rate (us/s)	4.55836443322E-02		Apriori rate (us/s)	4.55837847504E-02		Resid rate (us/s)	-1.40418E-07	+/-	1.2E-09
Total phase (deg)		-67.5	Apriori accel (us/s/s)	2.50507436239E-05		Resid phase (deg)	168.8	+/-	5.2

ph/seg (deg) 66.7 12.5 Theor. Amplitude 0.731 +/- 0.033 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 79.4 21.9 Search (1024X32) 0.695 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 9.4 7.4 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 17.1 12.9 Inc. seg. avg. 1.205 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 l: az 132.7 el 35.9 pa -36.5 u,v (fr/asec) -243.941 1207.436 ion window (TEC) 0.00 0.00
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/bl..zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/bl.W.12.zpwwdj simultaneous interpolator



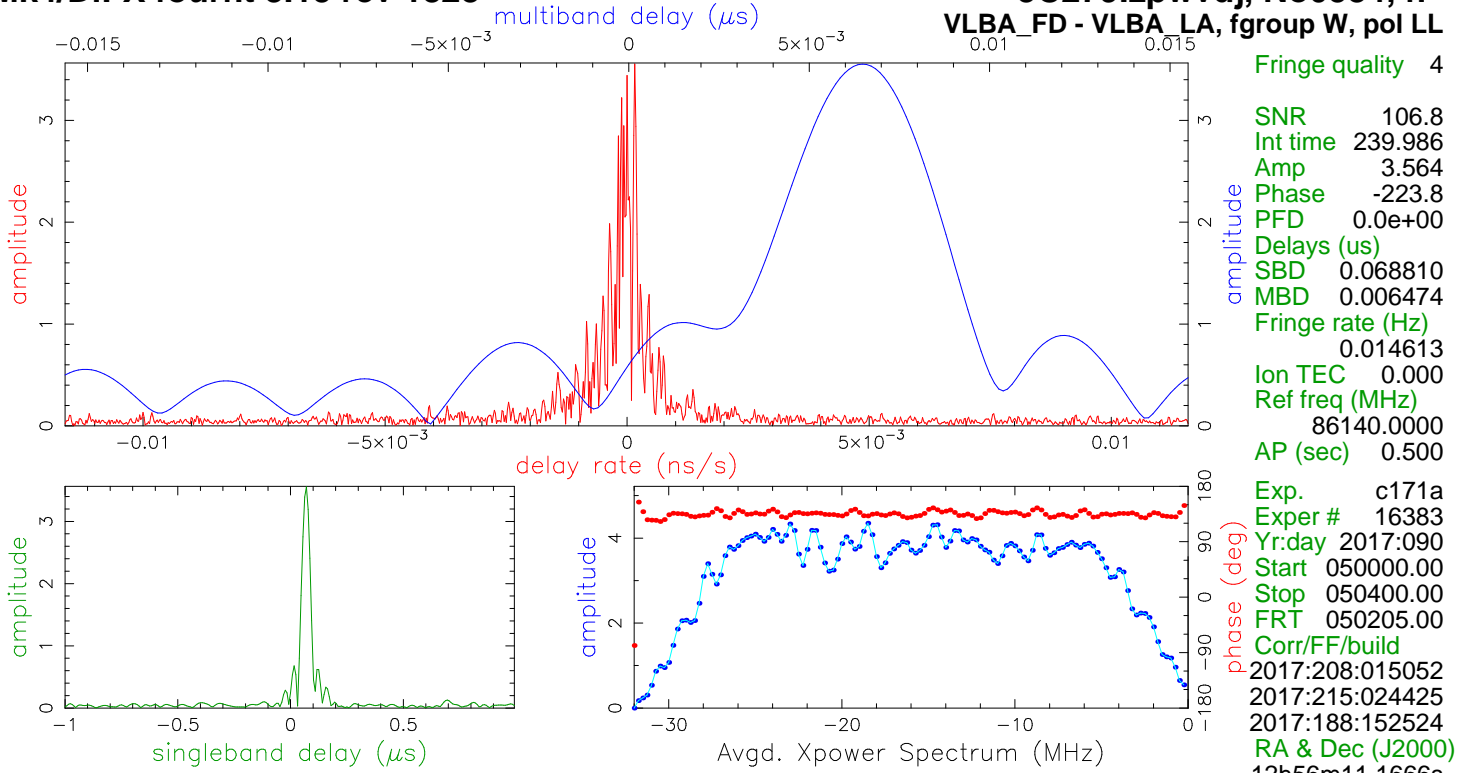
Fringe quality 5
 SNR 92.9
 Int time 239.988
 Amp 3.101
 Phase 94.8
 PFD 0.0e+00
 Delays (us)
 SBD 0.003963
 MBD 0.003925
 Fringe rate (Hz)
 -0.012151
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.500
 Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050000.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024358
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"

Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec

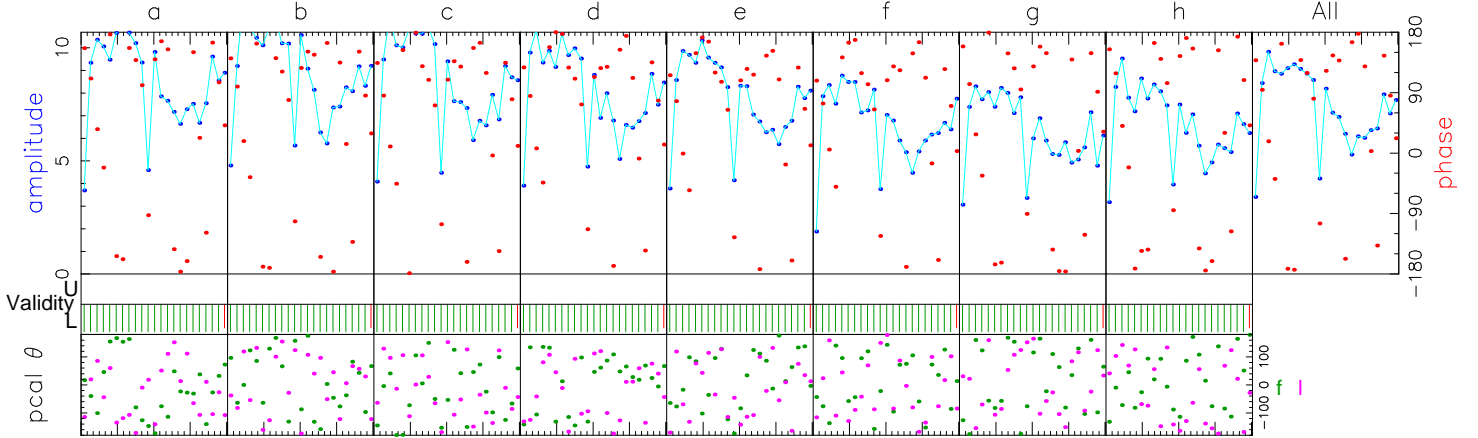


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All			
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480					
b	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000					
l	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000					
b:l	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0					
b:l	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0					
b	1000	1000	1000	1000	1000	1000	1000	1000					
l	1000	1000	1000	1000	1000	1000	1000	1000					
b	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL					
l	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL					
Group delay (usec)(sbd)		-5.05924954176E+03				-5.05925346710E+03			3.92534E-03	+/- 2.3E-05			
Sband delay (usec)		-5.05924950410E+03				-1.9132376E-01			3.96300E-03	+/- 1.9E-04			
Phase delay (usec)		-5.05925346405E+03				1.1323990E-07			3.05817E-06	+/- 4.0E-08			
Delay rate (us/s)		4.55836436893E-02				4.55837847504E-02			Resid rate (us/s)	-1.41061E-07	+/- 2.9E-10		
Total phase (deg)			-141.5			2.50507436239E-05			Resid phase (deg)	94.8	+/- 1.2		
ph/seg (deg)	RMS 71.1	Theor. 3.0	Amplitude 3.101 +/- 0.033	Search (1024X32) 2.986	Apriori delay (usec) -5.05925346710E+03	Apriori clock (usec) -1.9132376E-01	Apriori clockrate (us/s) 1.1323990E-07	Apriori rate (us/s) 4.55837847504E-02	Apriori accel (us/s/s) 2.50507436239E-05	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us) -1.000	1.000
amp/seg (%)	109.1	5.2	Interp. 0.000	2.986	Resid mbdelay (usec) 3.92534E-03	Resid sbdelay (usec) 3.96300E-03	Resid phdelay (usec) 3.05817E-06	Resid rate (us/s) -1.41061E-07	Resid phase (deg) 94.8	Bits/sample: 2x2	SampCntNorm: enabled	mb window (us) -0.016	0.016
ph/frq (deg)	2.3	1.7	Inc. seg. avg. 6.078	6.078	Sample rate(MSamp/s): 64	Data rate(Mb/s): 1024	nlags: 128	t_cohere infinite	ion window (TEC) 0.00	0.00			
amp/frq (%)	4.0	3.0	Inc. frq. avg. 3.046	3.046									

b: az 125.4 el 20.4 pa -33.2 l: az 132.7 el 35.9 pa -36.5 u,v (fr/asec) -243.941 1207.436 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/bl..zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/bl.W.9.zpwwdj



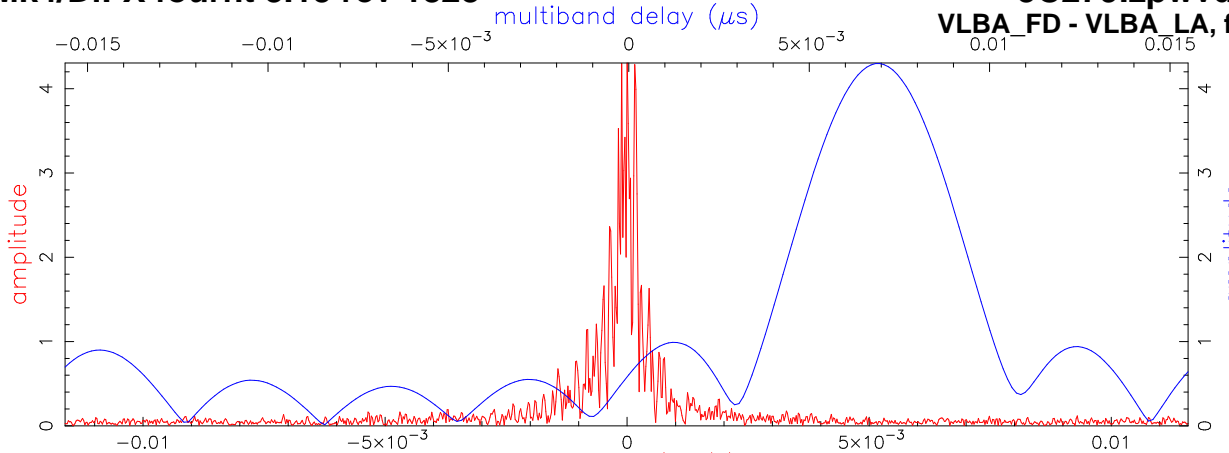
Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec



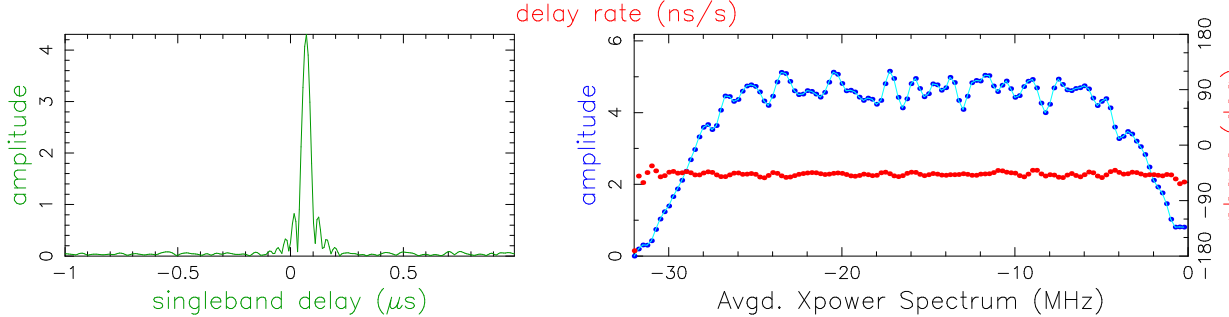
	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All	
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480			
f	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000			
l	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000			
f:l	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0			
f:l	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0			
f	1000	1000	1000	1000	1000	1000	1000	1000			
l	1000	1000	1000	1000	1000	1000	1000	1000			
f	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL			
l	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL			
Group delay (usec)(sbd)		1.42218546746E+03				1.42211649352E+03			6.47394E-03	+/- 2.0E-05	
Sband delay (usec)		1.42218530302E+03				3.5191231E+00			6.88095E-02	+/- 1.6E-04	
Phase delay (usec)		1.42211649791E+03				-3.2019450E-07			4.39050E-06	+/- 3.5E-08	
Delay rate (us/s)		9.20284081362E-04				9.20114440371E-04			1.69641E-07	+/- 2.5E-10	
Total phase (deg)			-313.2			-6.67583793182E-06			-223.8	+/- 1.1	
RMS	71.3	2.6									
Theor.											
Amplitude					3.564 +/- 0.033						
Search (1024X32)					3.314						
Interp.					0.000						
Inc. seg. avg.					7.382						
Inc. frq. avg.					3.685						
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					dr window (ns/s)	-0.012 0.012
Data rate(Mb/s):					1024					ion window (TEC)	0.00 0.00
nlags:					128						
t_cohere					infinite						

f: az 132.0 el 40.8 pa -39.8 l: az 132.7 el 35.9 pa -36.5 u,v (fr/asec) -10.352 -607.197 simultaneous interpolator

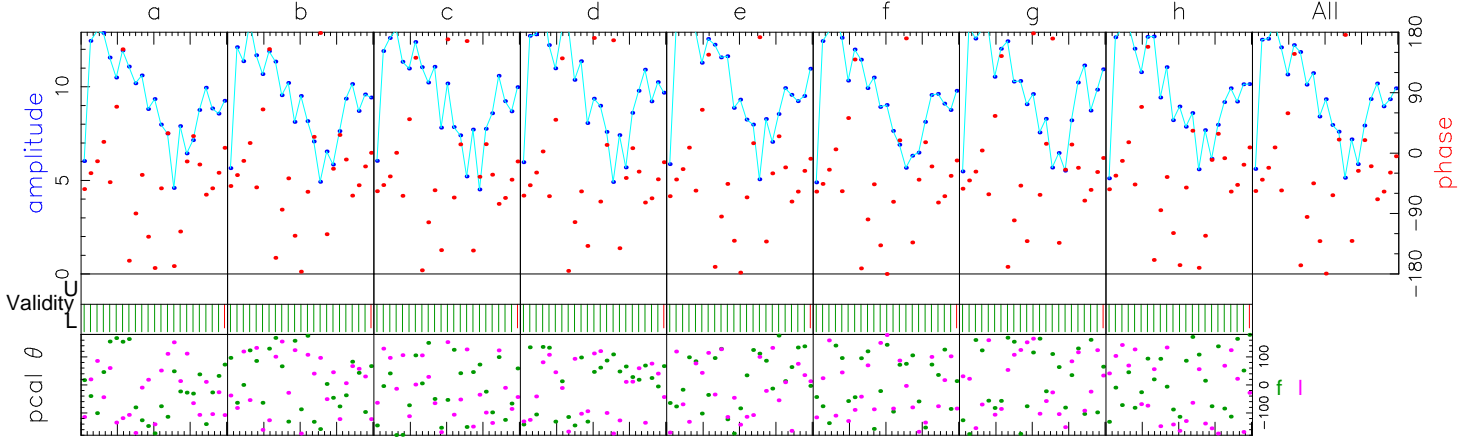
Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/fl.zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/fl.W.33.zpwwdj



Fringe quality 5
 SNR 129.0
 Int time 239.986
 Amp 4.306
 Phase -406.5
 PFD 0.0e+00
 Delays (us)
 SBD 0.069256
 MBD 0.006903
 Fringe rate (Hz)
 -0.009426
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.500
 Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050000.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024426
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"



Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec

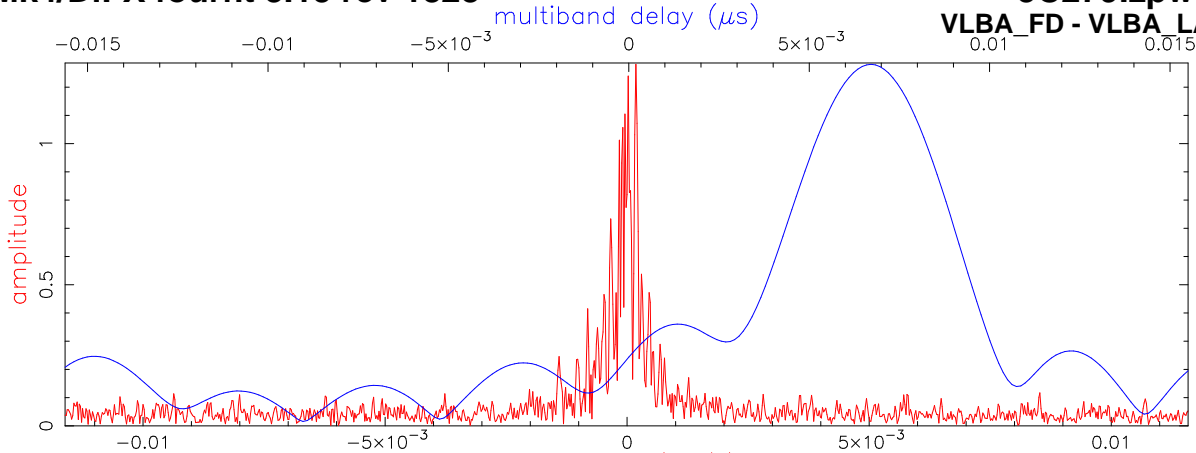


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480		
f	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000		
l	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000		
f:l	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f:l	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
l	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR		
l	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR		

Group delay (usec)(sbd)	1.42218589694E+03	Apriori delay (usec)	1.42211649352E+03	Resid mbdelay (usec)	6.90342E-03	+/-	1.7E-05
Sband delay (usec)	1.42218574902E+03	Apriori clock (usec)	3.5191231E+00	Resid sbdelay (usec)	6.92555E-02	+/-	1.3E-04
Phase delay (usec)	1.42211649202E+03	Apriori clockrate (us/s)	-3.2019450E-07	Resid phdelay (usec)	-1.49986E-06	+/-	2.9E-08
Delay rate (us/s)	9.20005016758E-04	Apriori rate (us/s)	9.20114440371E-04	Resid rate (us/s)	-1.09424E-07	+/-	2.1E-10
Total phase (deg)	-135.8	Apriori accel (us/s/s)	-6.67583793182E-06	Resid phase (deg)	-406.5	+/-	0.9

ph/seg (deg)	73.3	Theor.	2.1	Amplitude	4.306 +/- 0.033	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5	
amp/seg (%)	132.2	Search (1024X32)	4.207	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000	1.000		
ph/frq (deg)	8.2	Interp.	0.000	Bits/sample:	2x2	SampCntNorm:	enabled	mb window (us)	-0.016	0.016
amp/frq (%)	3.4	Inc. seg. avg.	9.509	Sample rate (MSamp/s):	64	dr window (ns/s)	-0.012	0.012		
		Inc. frq. avg.	4.332	Data rate (Mb/s):	1024	ion window (TEC)	0.00	0.00		

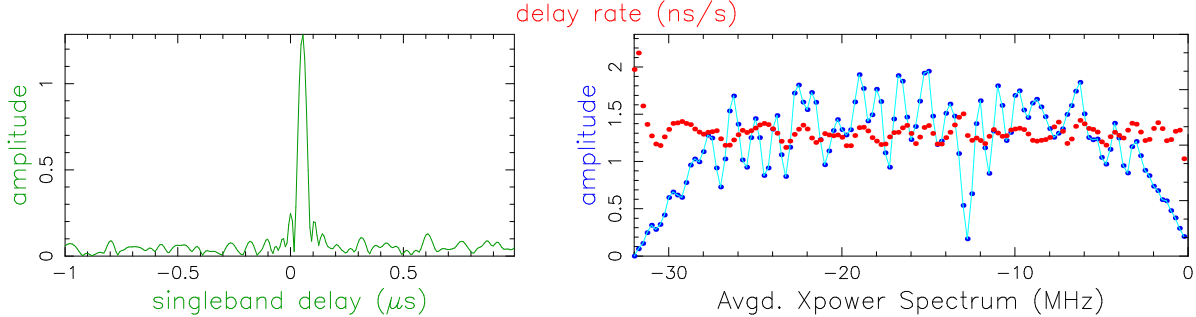
f: az 132.0 el 40.8 pa -39.8 l: az 132.7 el 35.9 pa -36.5 u,v (fr/asec) -10.352 -607.197 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/fl.zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/fl.W.34.zpwwdj



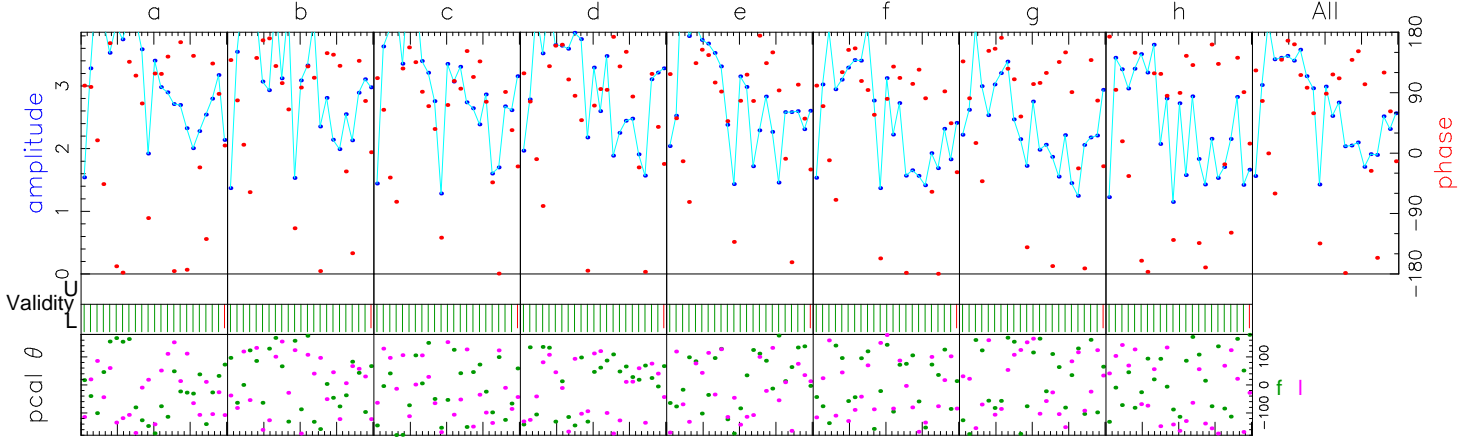
Fringe quality 6

SNR 38.5
Int time 239.986
Amp 1.286
Phase -67.7
PFD 0.0e+00
Delays (us)
SBD 0.052922
MBD 0.006708
Fringe rate (Hz) 0.014775
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.500

Exp. c171a
Exper # 16383
Yr:day 2017:090
Start 050000.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052
2017:215:024427
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"



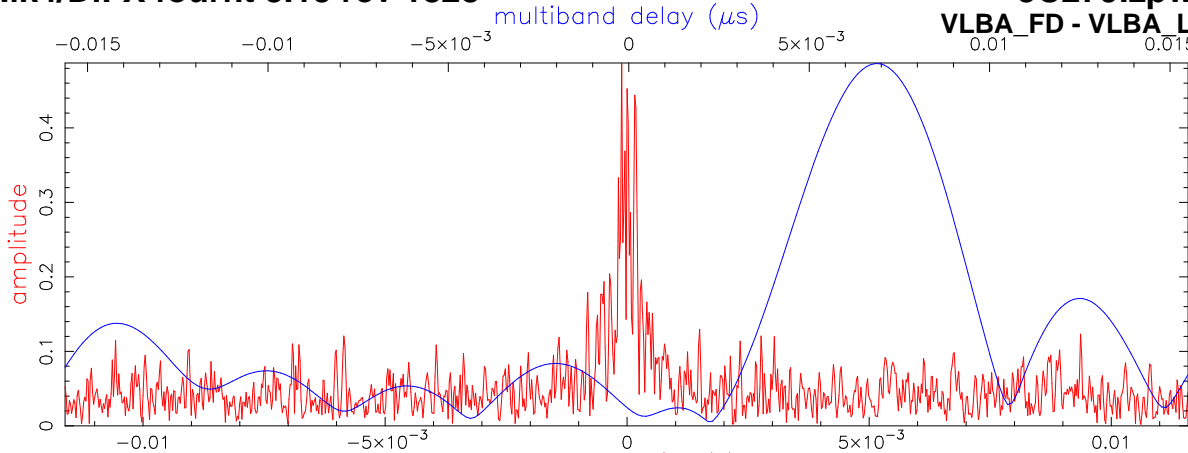
Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec



	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480		
f	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000		
l	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000		
f:l	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f:l	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
l	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL		
l	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR		
Group delay (usec)(sbd)		1.42215445102E+03			1.42211649352E+03			6.70750E-03		+/- 5.6E-05
Sband delay (usec)		1.42216941552E+03			3.5191231E+00			5.29220E-02		+/- 4.5E-04
Phase delay (usec)		1.42211649714E+03			-3.2019450E-07			3.62025E-06		+/- 9.6E-08
Delay rate (us/s)		9.20285963473E-04			9.20114440371E-04			1.71523E-07		+/- 6.9E-10
Total phase (deg)			-157.1		-6.67583793182E-06			-67.7		+/- 3.0
Apriori delay (usec)				1.231						
Apriori clock (usec)										
Apriori clockrate (us/s)										
Apriori rate (us/s)										
Apriori accel (us/s/s)										
Resid mbdelay (usec)										
Resid sbdelay (usec)										
Resid phdelay (usec)										
Resid rate (us/s)										
Resid phase (deg)										
RMS	71.6	7.1								
Theor.										
Amplitude				1.286 +/- 0.033						
Search (1024X32)				1.231						
Interp.				0.000						
Inc. seg. avg.				2.625						
Inc. frq. avg.				1.321						
PCal mode:	MANUAL	MANUAL								
PCal rate:	0.000E+00	0.000E+00								
Bits/sample:	2x2									
Sample rate(MSamp/s):	64									
Data rate(Mb/s):	1024									
nlags:	128									
t_cohere	infinite									
sb window (us)	-1.000	1.000								
mb window (us)	-0.016	0.016								
dr window (ns/s)	-0.012	0.012								
ion window (TEC)	0.00	0.00								

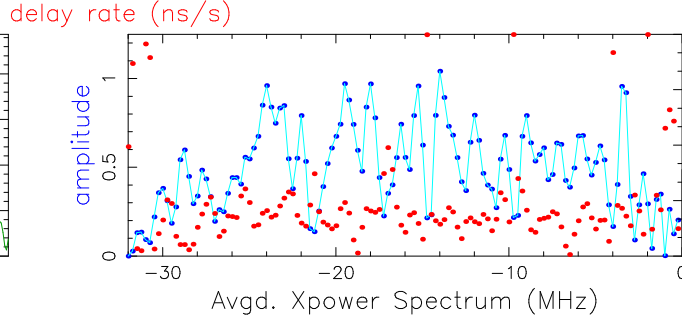
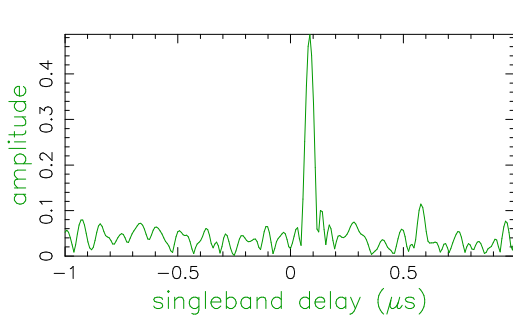
f: az 132.0 el 40.8 pa -39.8 l: az 132.7 el 35.9 pa -36.5 u,v (fr/asec) -10.352 -607.197 simultaneous interpolator

Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/fl.zpvdj Output file: /Exps/c171a/gmva/1234/No0584/fl.W.35.zpvdj



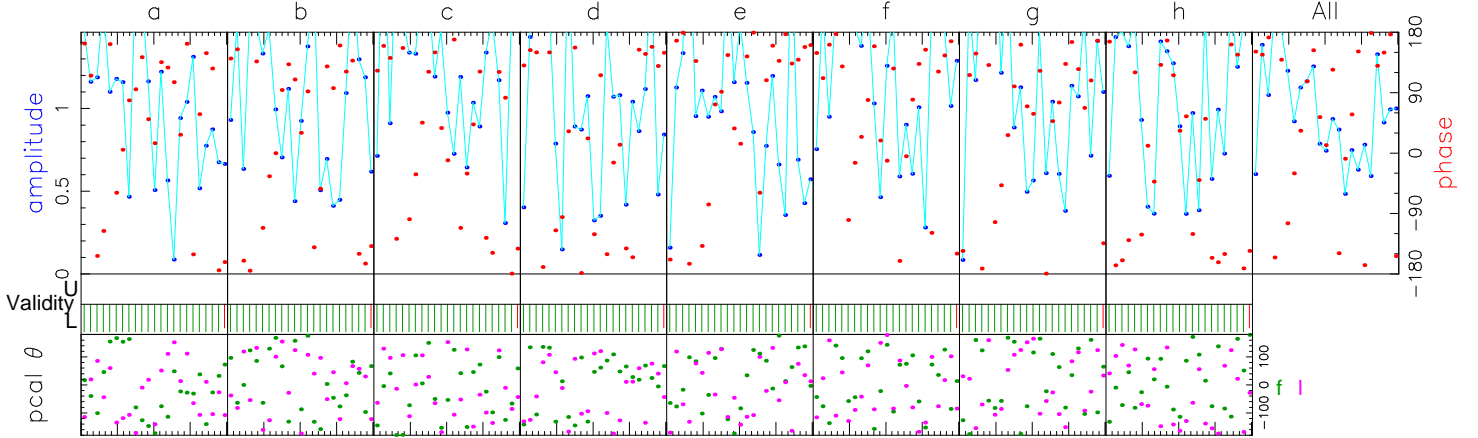
Fringe quality 9

SNR 14.6
 Int time 239.986
 Amp 0.487
 Phase -207.4
 PFD 4.7e-40
 Delays (us)
 SBD 0.084844
 MBD 0.006883
 Fringe rate (Hz)
 -0.009841
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.500



Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050000.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024428
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"

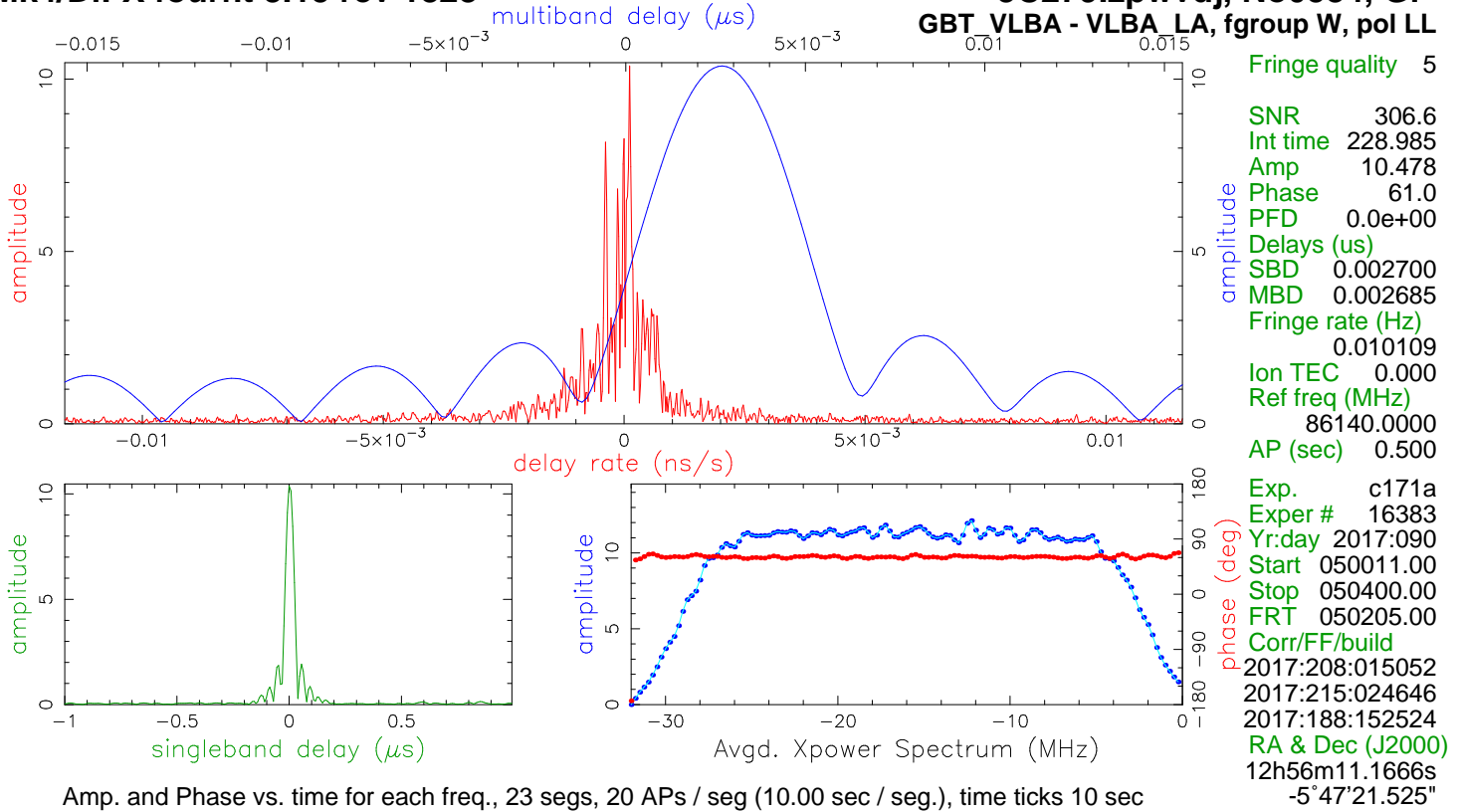
Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec



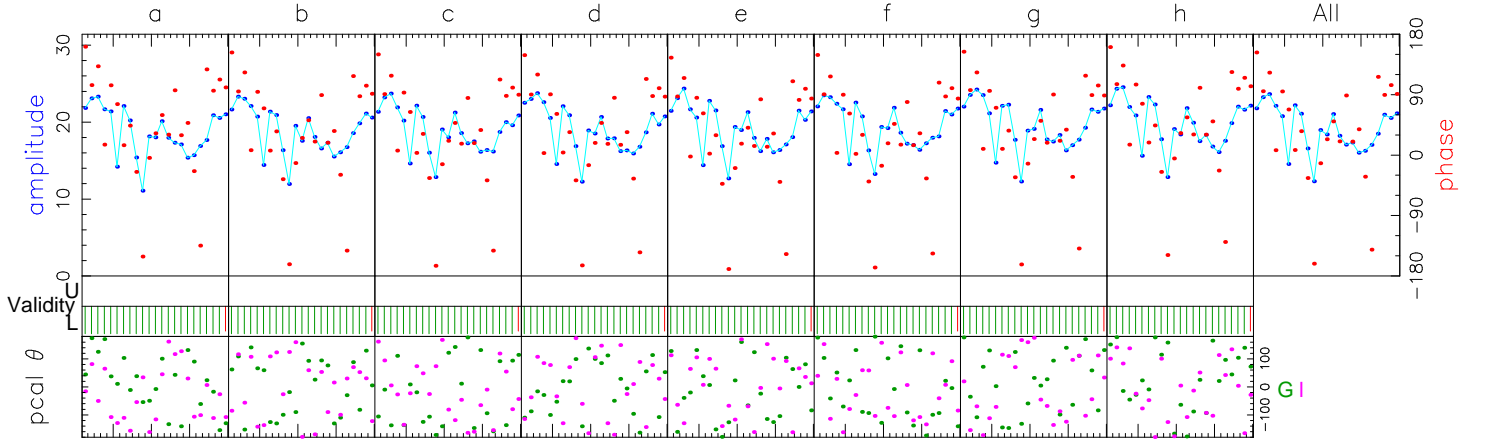
	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480	APs used	
f	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
l	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
f:l	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
f:l	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
l	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
l	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
									Tracks	
Group delay (usec)(sbd)		1.42218587675E+03		Apriori delay (usec)	1.42211649352E+03		Resid mbdelay (usec)	6.88323E-03		+/- 1.5E-04
Sband delay (usec)		1.42220133802E+03		Apriori clock (usec)	3.5191231E+00		Resid sbdelay (usec)	8.48445E-02		+/- 1.2E-03
Phase delay (usec)		1.42211649844E+03		Apriori clockrate (us/s)	-3.2019450E-07		Resid phdelay (usec)	4.91962E-06		+/- 2.5E-07
Delay rate (us/s)		9.20000190313E-04		Apriori rate (us/s)	9.20114440371E-04		Resid rate (us/s)	-1.14250E-07		+/- 1.8E-09
Total phase (deg)		-296.8		Apriori accel (us/s/s)	-6.67583793182E-06		Resid phase (deg)	-207.4		+/- 7.9

ph/seg (deg) 77.2 18.8 Theor. Amplitude 0.487 +/- 0.033 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 119.1 32.9 Search (1024X32) 0.484 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 16.8 11.1 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 13.3 19.4 Inc. seg. avg. 0.936 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. 0.493 ion window (TEC) 0.00 0.00

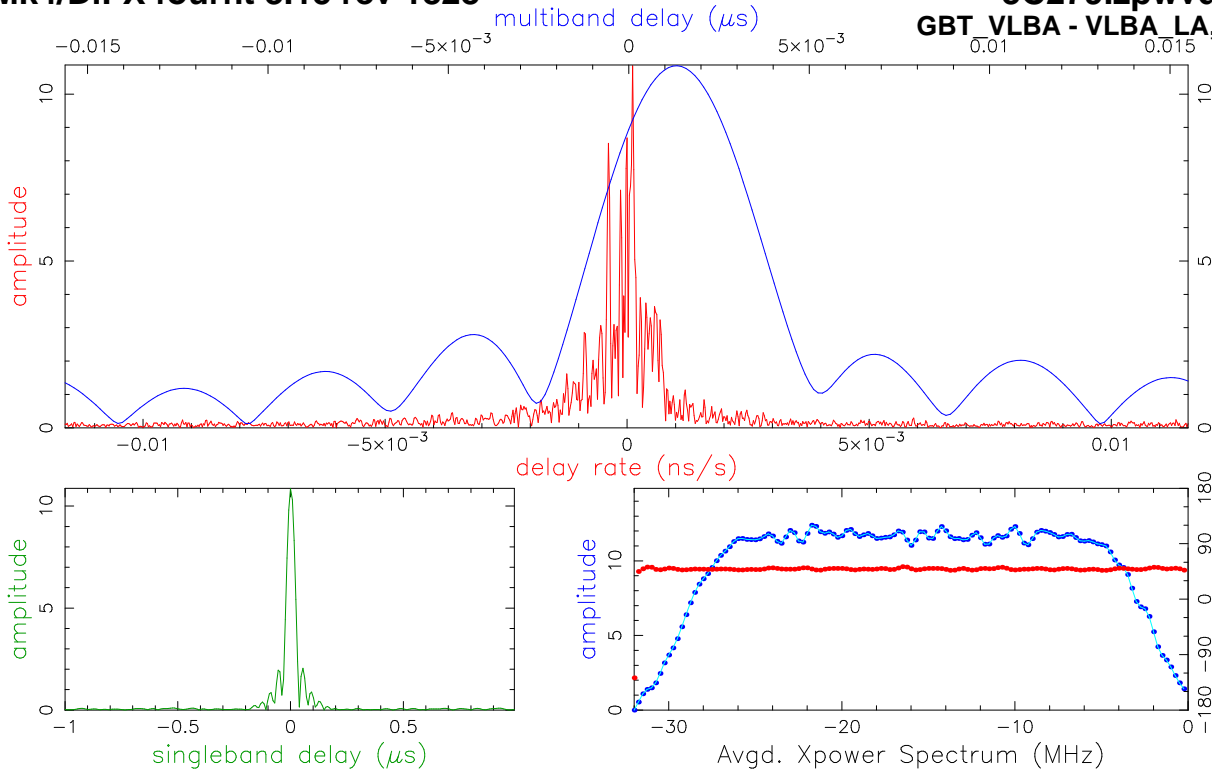
f: az 132.0 el 40.8 pa -39.8 l: az 132.7 el 35.9 pa -36.5 u,v (fr/asec) -10.352 -607.197 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/fl.zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/fl.W.36.zpwwdj



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										
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										
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)	10.172	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										66.3	Theor.	0.9	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	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							

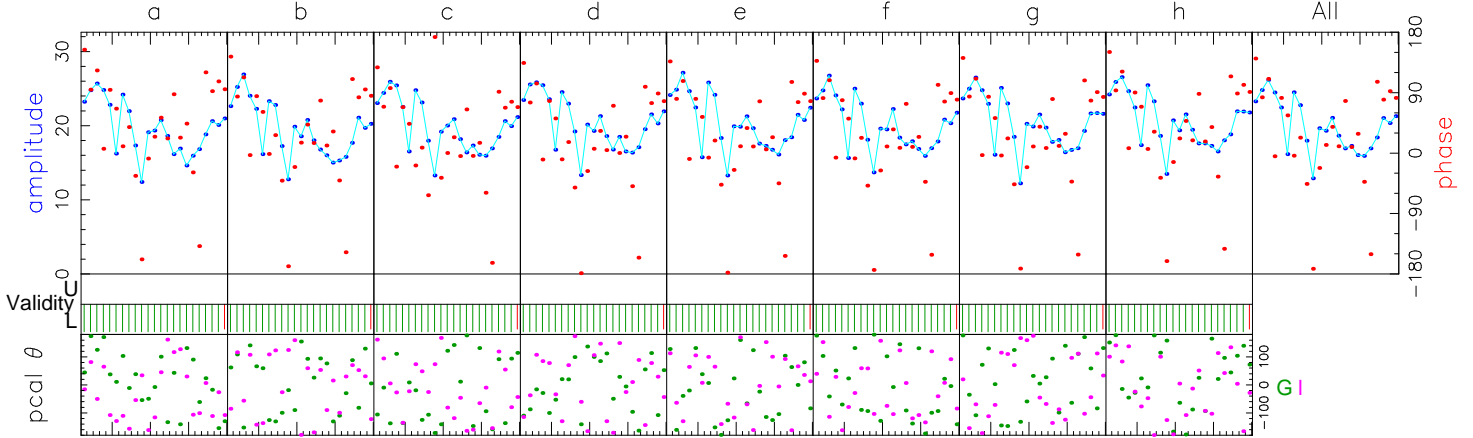


Fringe quality 5

SNR 318.1
Int time 228.985
Amp 10.873
Phase 49.4
PFD 0.0e+00
Delays (us)
SBD 0.001258
MBD 0.001324
Fringe rate (Hz) 0.010071
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
2017:215:024648
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

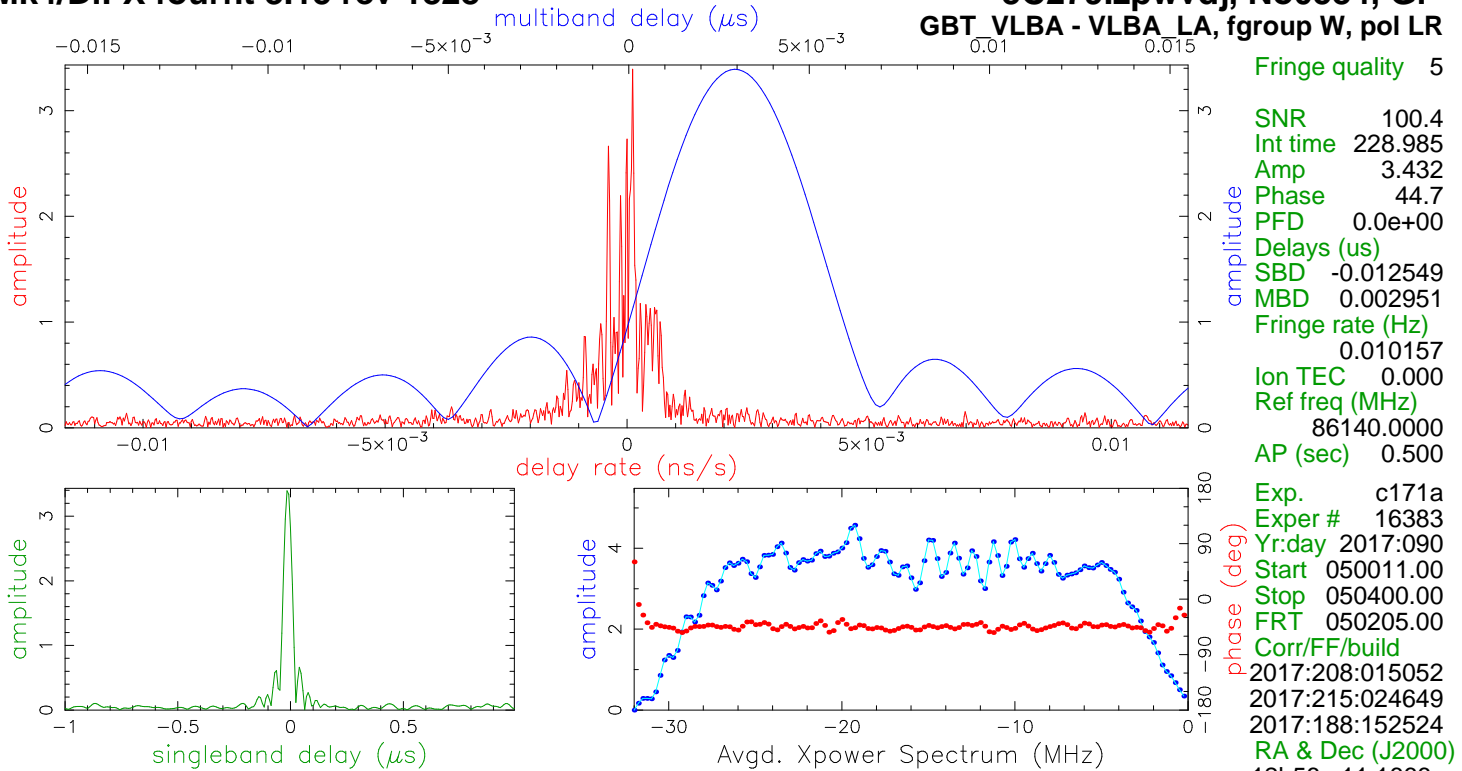


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	Phase	49.4
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	Ampl.	11.0
I	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	Sbd box	129.2
G:I	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	APs used	
G:I	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC freqs	
G	1000	1000	1000	1000	1000	1000	1000	1000	PC phase	
I	1000	1000	1000	1000	1000	1000	1000	1000	ManI PC	
G	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	PC amp	
I	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
									Tracks	
									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

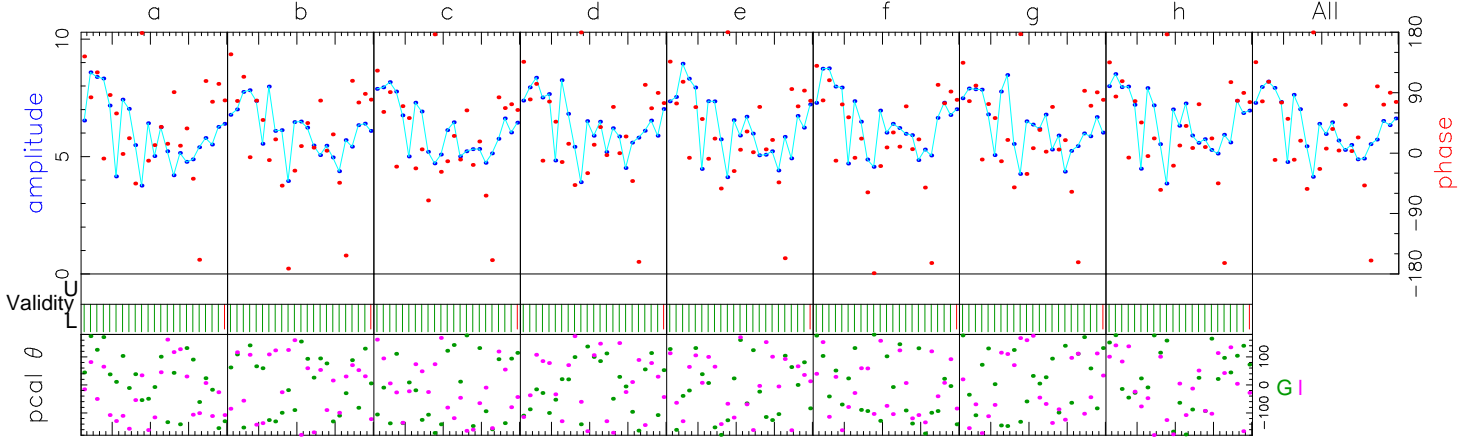
ph/seg (deg) 66.5 0.9 Theor. Amplitude 10.873 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 88.9 1.5 Search (1024X32) 10.608 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 9.5 0.5 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (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 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

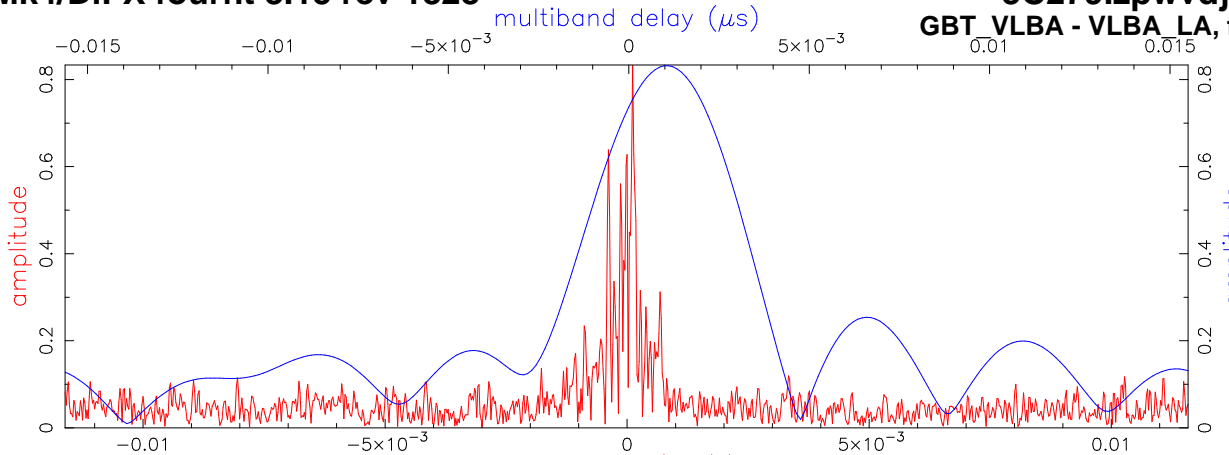


Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec

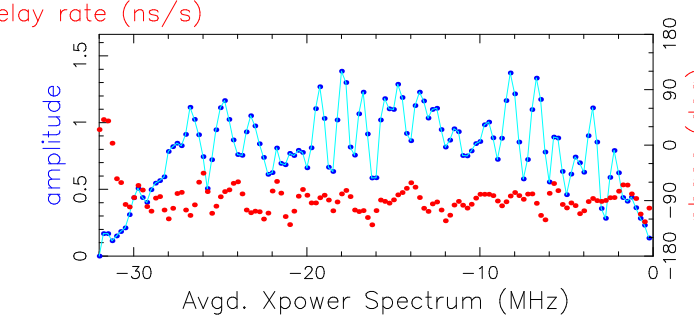
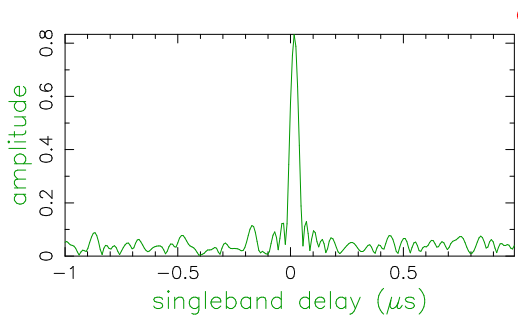


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
I	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G:I	0:0	0:0	0:0	0:0	0:0	0:0	0:0	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	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

ph/seg (deg) 65.7 2.7 Search (1024X32) 3.335 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 87.9 4.8 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 5.8 1.6 Inc. seg. avg. 6.229 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 4.6 2.8 Inc. frq. avg. 3.402 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 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

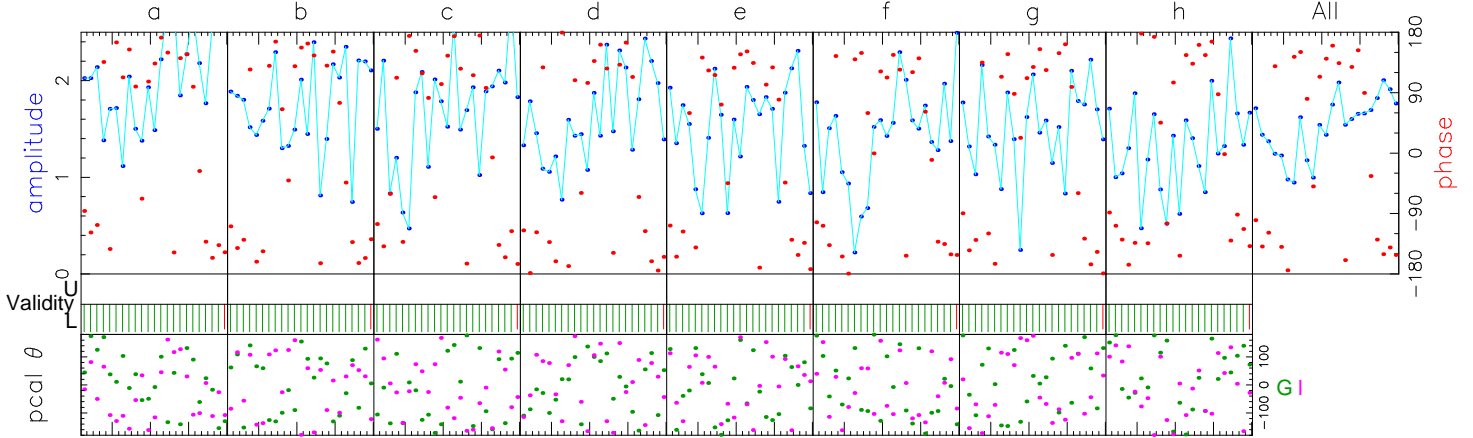


Fringe quality 7
 SNR 24.4
 Int time 228.985
 Amp 0.834
 Phase -0.5
 PFD 0.0e+00
 Delays (us)
 SBD 0.016788
 MBD 0.001048
 Fringe rate (Hz) 0.009825
 Ion TEC 0.000
 Ref freq (MHz) 86140.0000
 AP (sec) 0.500



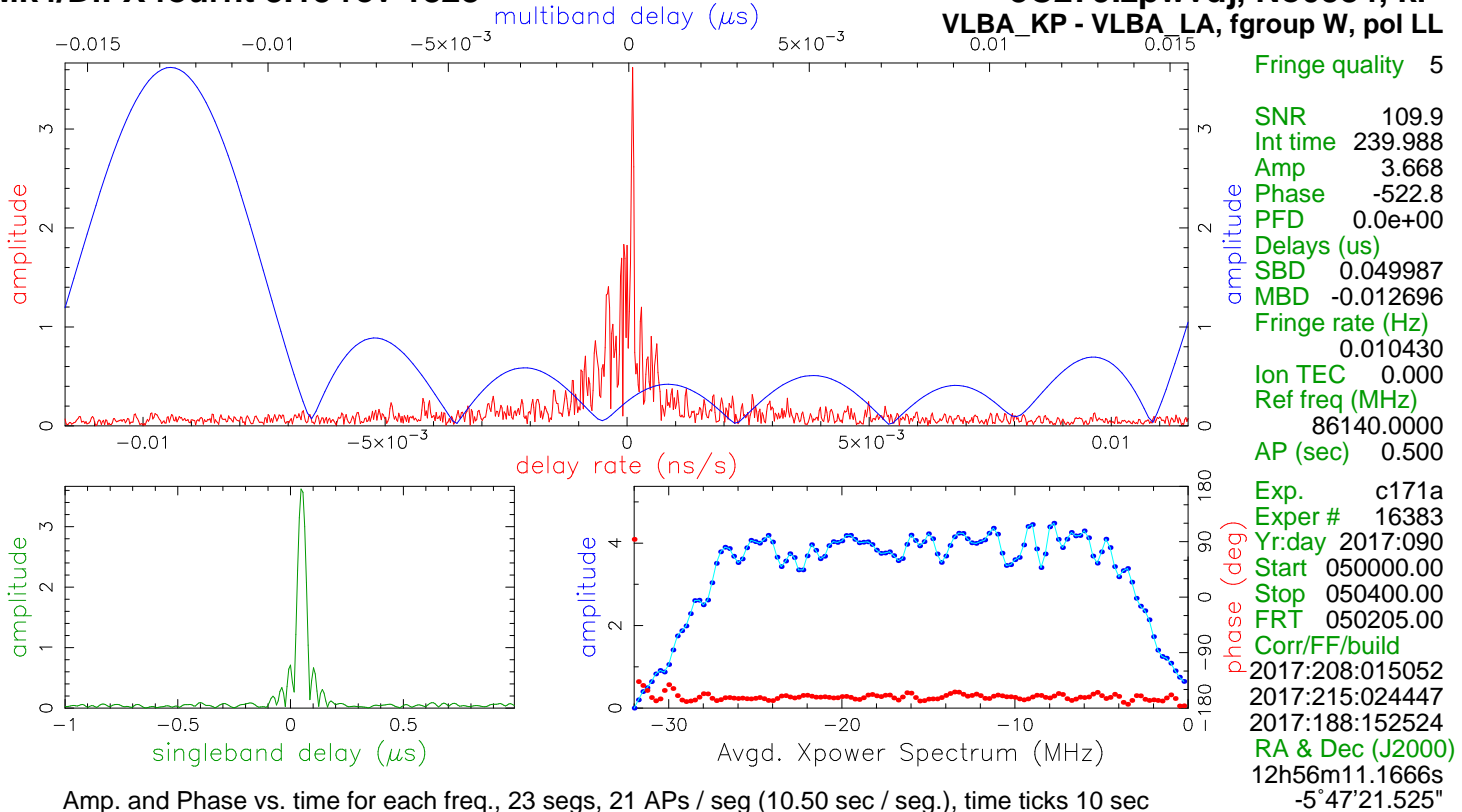
Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050011.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024649
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"

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

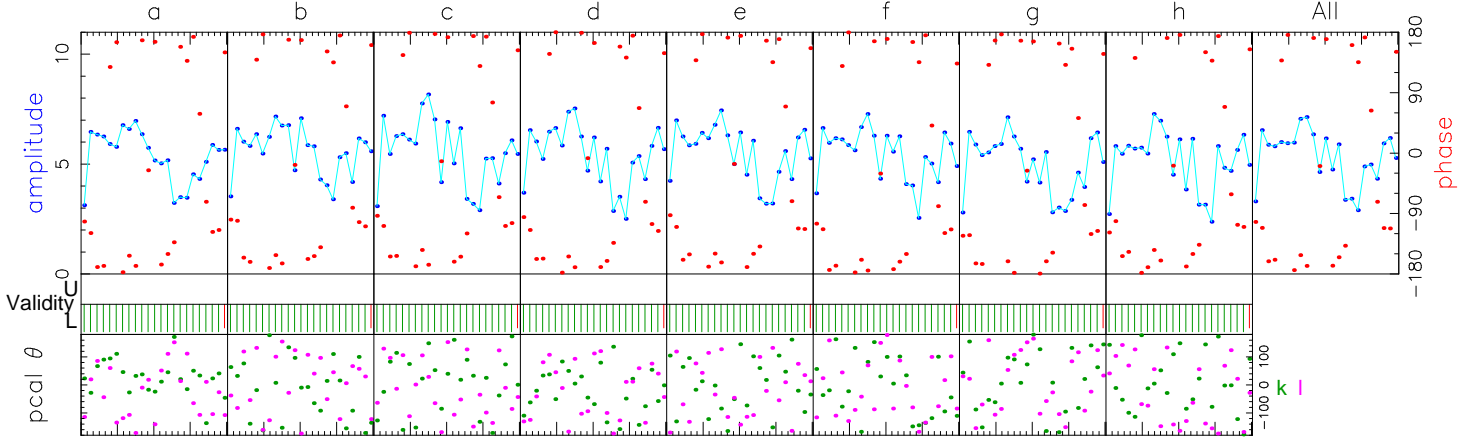


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	-175.2	179.6	177.0	-177.7	165.1	172.3	170.8	-158.3		179.5
	1.1	1.0	0.8	1.0	0.7	0.9	0.7	0.7		0.8
	130.7	131.1	131.2	131.0	130.8	131.4	131.9	131.3		131.1
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458		
G	-1000	-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		
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)			-50.2	Apriori accel (us/s/s)	-1.32285678582E-05		Resid phase (deg)	-0.5		+/- 4.7

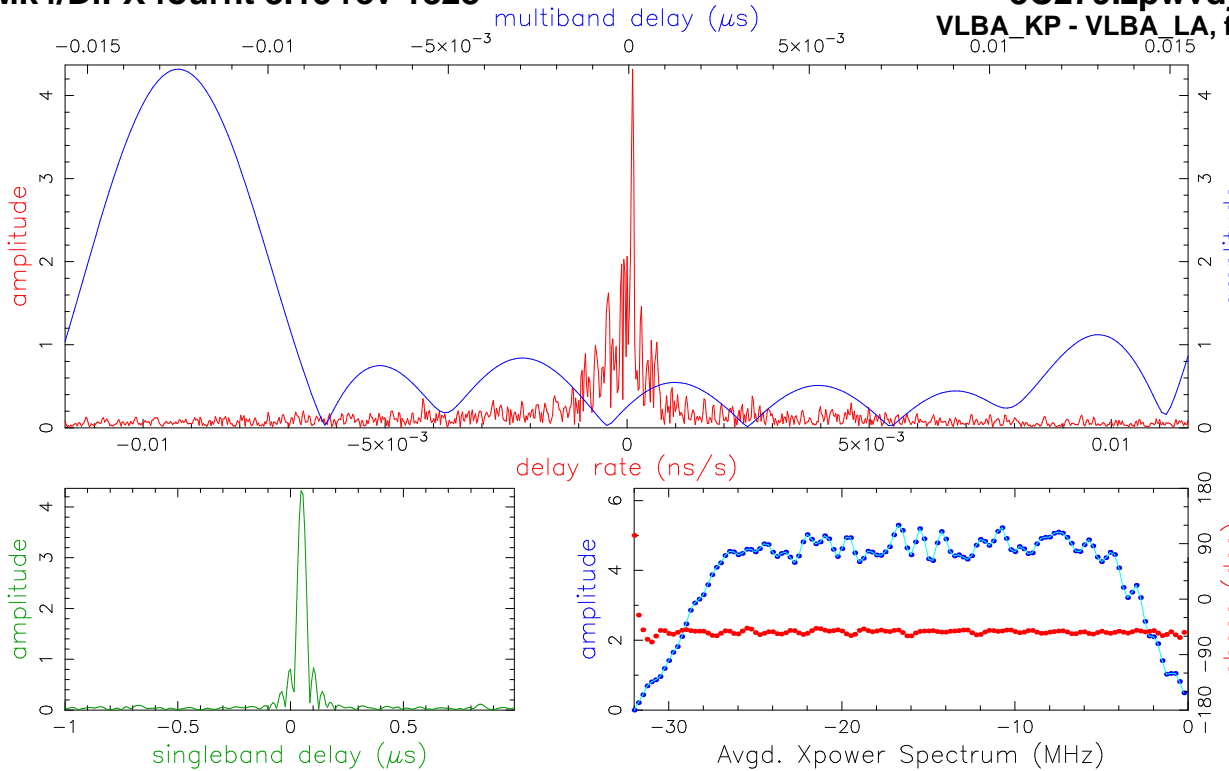
ph/seg (deg) 63.7 11.3 Theor. Amplitude 0.834 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 90.6 19.7 Search (1024X32) 0.830 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 12.0 6.6 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 19.5 11.6 Inc. seg. avg. 1.495 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. 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



Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec

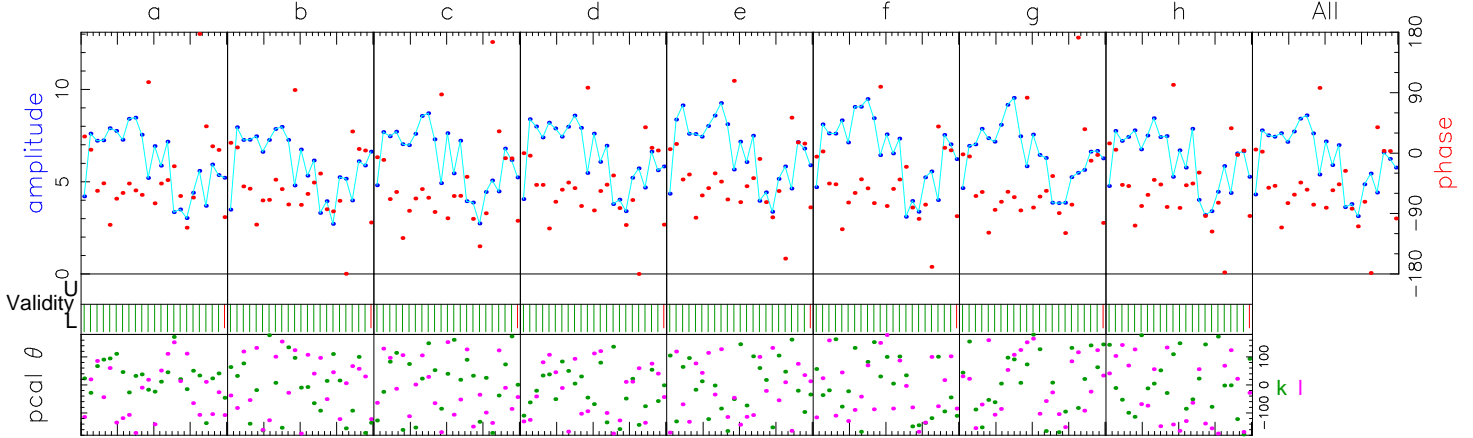


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480	APs used	
k	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
l	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
k:l	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
k:l	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
k	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
l	1000	1000	1000	1000	1000	1000	1000	1000		
k	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
l	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)		-3.04173405418E+02		Apriori delay (usec)		-3.04223209186E+02		Resid mbdelay (usec)		-1.26962E-02 +/- 2.0E-05
Sband delay (usec)		-3.04173222686E+02		Apriori clock (usec)		1.2080617E+00		Resid sbdelay (usec)		4.99865E-02 +/- 1.6E-04
Phase delay (usec)		-3.04223214436E+02		Apriori clockrate (us/s)		9.8593930E-08		Resid phdelay (usec)		-5.25065E-06 +/- 3.4E-08
Delay rate (us/s)		1.29265489525E-01		Apriori rate (us/s)		1.29265368445E-01		Resid rate (us/s)		1.21081E-07 +/- 2.4E-10
Total phase (deg)		-609.0		Apriori accel (us/s/s)		2.26369299418E-06		Resid phase (deg)		-522.8 +/- 1.0
RMS	56.2	2.5	Amplitude	3.668 +/- 0.033				Pcal mode: MANUAL, MANUAL		PC period (AP's) 5, 5
ph/seg (deg)	56.2	2.5	Search (1024X32)	3.489				Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us) -1.000 1.000
amp/seg (%)	55.9	4.4	Interp.	0.000				Bits/sample: 2x2		SampCntNorm: enabled mb window (us) -0.016 0.016
ph/frq (deg)	4.2	1.5	Inc. seg. avg.	5.336				Sample rate(MSamp/s): 64		dr window (ns/s) -0.012 0.012
amp/frq (%)	3.8	2.6	Inc. frq. avg.	3.630				Data rate(Mb/s): 1024		nlags: 128 t_cohere infinite ion window (TEC) 0.00 0.00



Fringe quality 5
 SNR 130.8
 Int time 239.988
 Amp 4.368
 Phase -412.3
 PFD 0.0e+00
 Delays (us)
 SBD 0.049941
 MBD -0.012481
 Fringe rate (Hz) 0.010392
 Ion TEC 0.000
 Ref freq (MHz) 86140.0000
 AP (sec) 0.500
 Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050000.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024448
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"

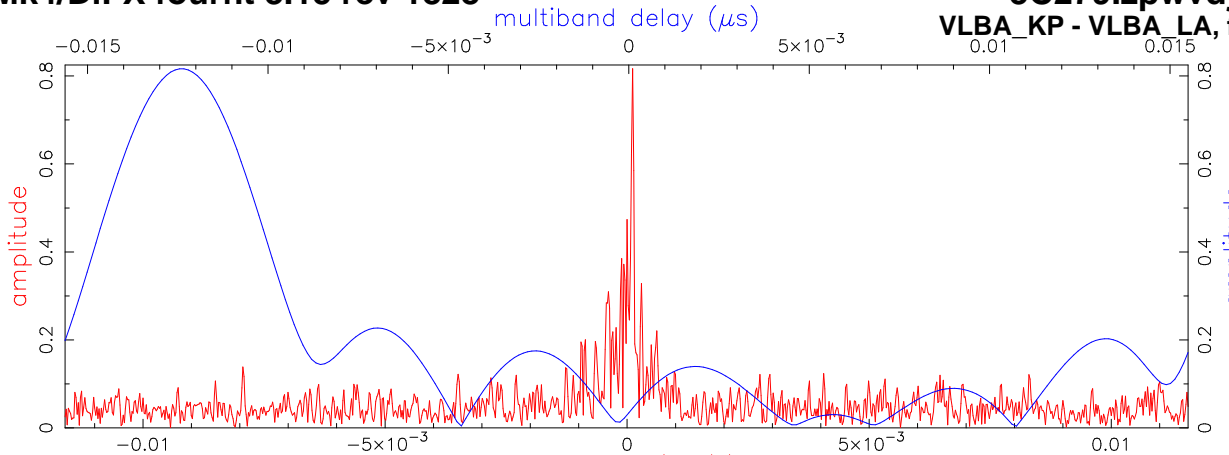
Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec



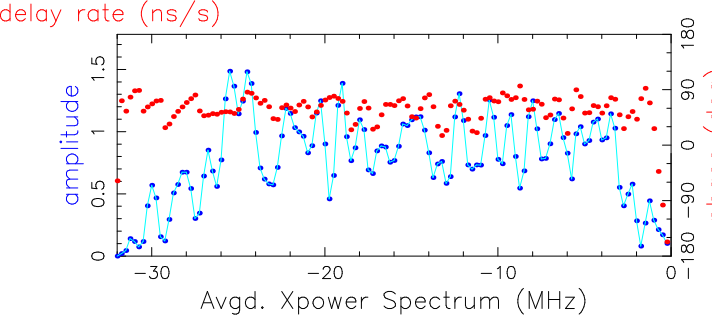
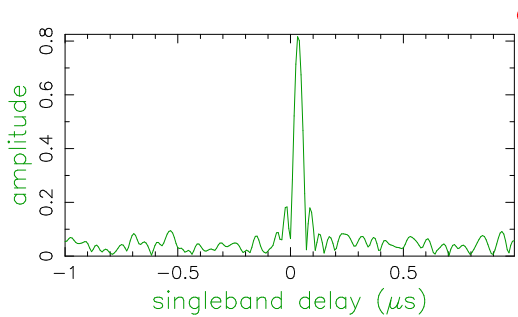
	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	-48.7	-52.2	-63.0	-53.1	-40.7	-50.1	-60.8	-50.7	Phase	-52.3
	4.1	4.1	4.2	4.4	4.6	4.5	4.5	4.2	Ampl.	4.3
	135.3	135.4	135.4	135.6	135.3	135.1	135.5	135.7	Sbd box	135.4
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480	APs used	
k	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
l	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
k:l	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
k:l	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
k	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
l	1000	1000	1000	1000	1000	1000	1000	1000		
k	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
l	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)		-3.04173189918E+02		Apriori delay (usec)		-3.04223209186E+02		Resid mbdelay (usec)	-1.24807E-02	+/- 1.7E-05
Sband delay (usec)		-3.04173267686E+02		Apriori clock (usec)		1.2080617E+00		Resid sbdelay (usec)	4.99415E-02	+/- 1.3E-04
Phase delay (usec)		-3.04223210872E+02		Apriori clockrate (us/s)		9.8593930E-08		Resid phdelay (usec)	-1.68673E-06	+/- 2.8E-08
Delay rate (us/s)		1.29265489088E-01		Apriori rate (us/s)		1.29265368445E-01		Resid rate (us/s)	1.20644E-07	+/- 2.0E-10
Total phase (deg)		-498.4		Apriori accel (us/s/s)		2.26369299418E-06		Resid phase (deg)	-412.3	+/- 0.9

ph/seg (deg) 55.9 2.1 Theor. Amplitude 4.368 +/- 0.033 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 56.2 3.7 Search (1024X32) 4.166 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 7.6 1.2 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 4.6 2.2 Inc. seg. avg. 6.239 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. 4.346 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite ion window (TEC) 0.00 0.00

k: az 125.6 el 34.9 pa -43.7 l: az 132.7 el 35.9 pa -36.5 u,v (fr/asec) -742.791 -506.145 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/kl.zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/kl.W.54.zpwwdj

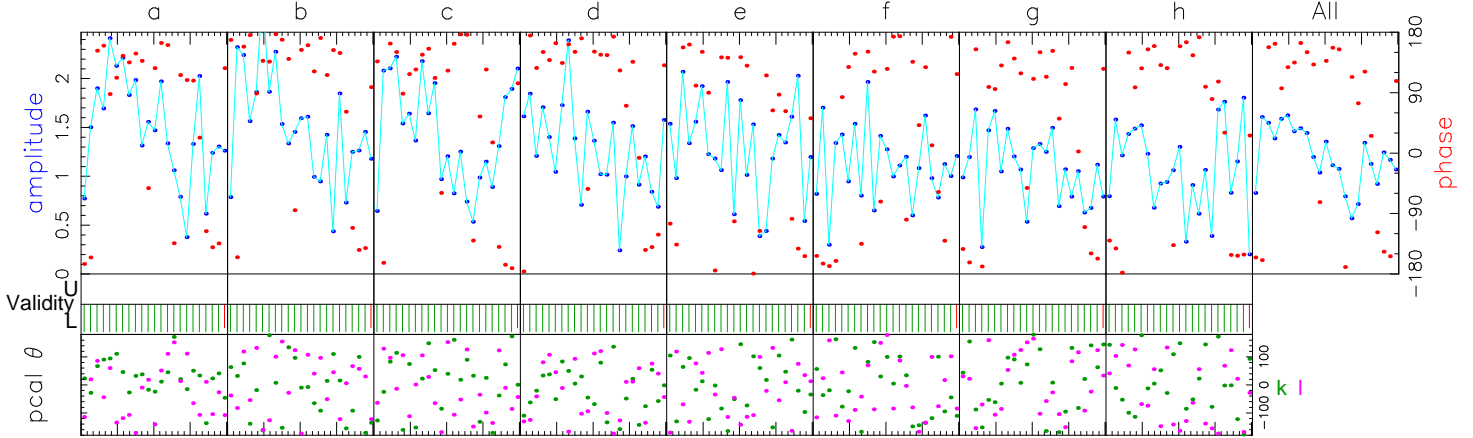


Fringe quality 7
SNR 24.7
Int time 239.988
Amp 0.825
Phase -26.8
PFD 0.0e+00
Delays (us)
SBD 0.034180
MBD -0.012376
Fringe rate (Hz) 0.010386
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.500



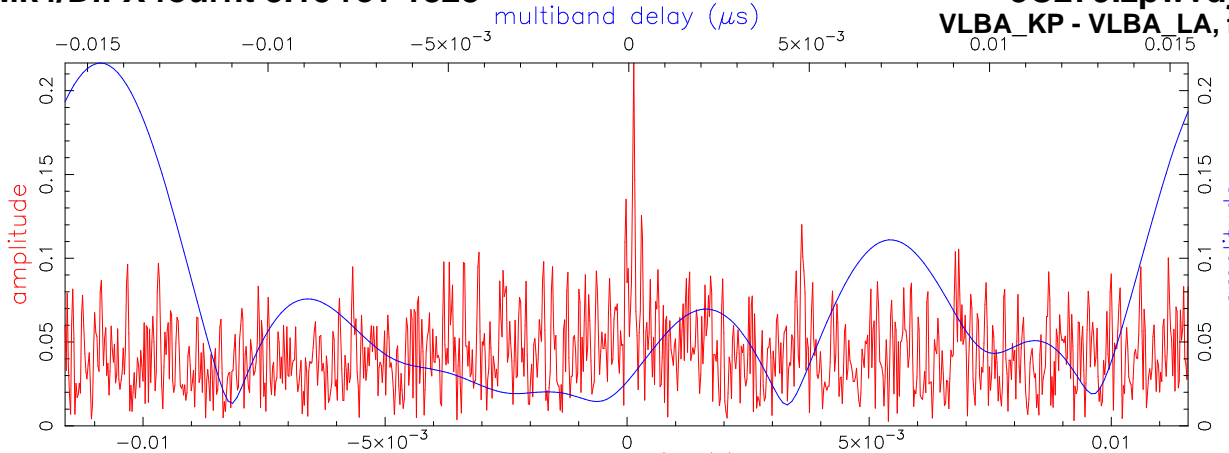
Exp. c171a
Exper # 16383
Yr:day 2017:090
Start 050000.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052
2017:215:024449
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"

Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec

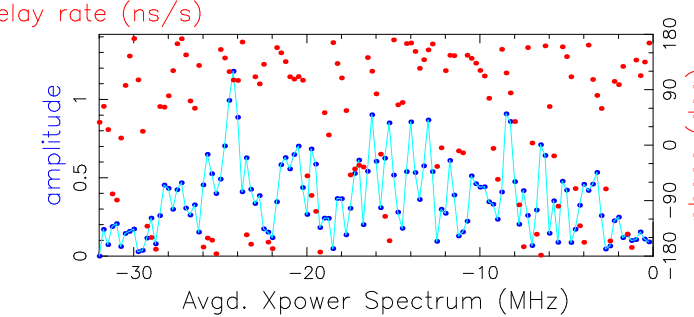
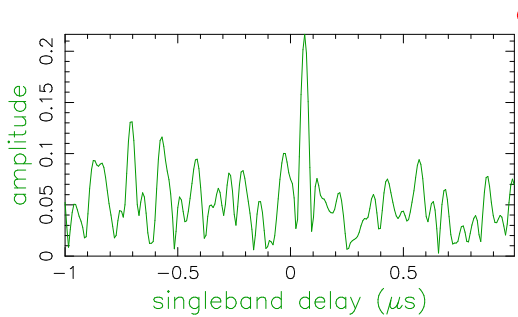


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480		
k	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
l	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
k:l	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
k	1000	1000	1000	1000	1000	1000	1000	1000	Manl PC	
l	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
k	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
l	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	
Group delay (usec)(sbd)		-3.04204335293E+02				-3.04223209186E+02			Resid mbdelay (usec)	-1.23761E-02 +/- 8.8E-05
Sband delay (usec)		-3.04189029186E+02				1.2080617E+00			Resid sbdelay (usec)	3.41800E-02 +/- 7.0E-04
Phase delay (usec)		-3.04223204244E+02				9.8593930E-08			Resid phdelay (usec)	4.94167E-06 +/- 1.5E-07
Delay rate (us/s)		1.29265489022E-01				1.29265368445E-01			Resid rate (us/s)	1.20577E-07 +/- 1.1E-09
Total phase (deg)			-112.9			2.26369299418E-06			Resid phase (deg)	-26.8 +/- 4.6
RMS	55.6	11.1			0.825 +/- 0.033				PCal mode: MANUAL, MANUAL	PC period (AP's) 5, 5
ph/seg (deg)	58.4	19.4			0.787				PCal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us) -1.000 1.000
amp/seg (%)	8.7	6.6			0.000				Bits/sample: 2x2	mb window (us) -0.016 0.016
ph/frq (deg)	21.4	11.4			1.183				Sample rate(MSamp/s): 64	dr window (ns/s) -0.012 0.012
amp/frq (%)					0.818				Data rate(Mb/s): 1024	ion window (TEC) 0.00 0.00
									nlags: 128	t_cohere infinite

k: az 125.6 el 34.9 pa -43.7 l: az 132.7 el 35.9 pa -36.5 u,v (fr/asec) -742.791 -506.145 simultaneous interpolator
Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/kl..zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/kl.W.55.zpwwdj

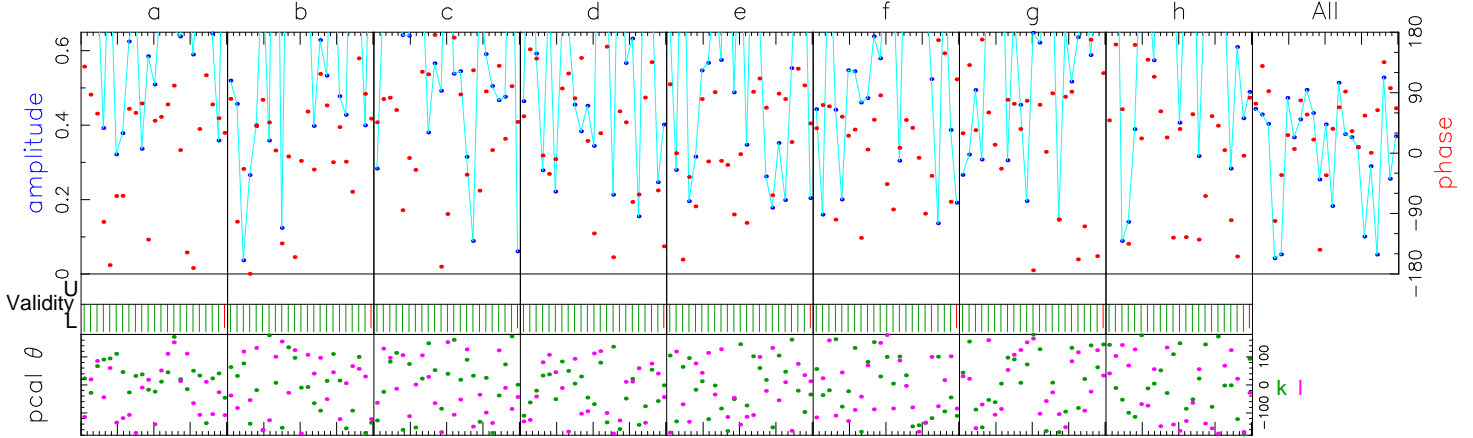


Fringe quality 0
 SNR 6.5
 Int time 239.988
 Amp 0.217
 Phase -301.8
 PFD 6.1e-03
 Delays (us)
 SBD 0.062102
 MBD -0.014646
 Fringe rate (Hz)
 0.010902
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.500
 Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050000.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024450
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"



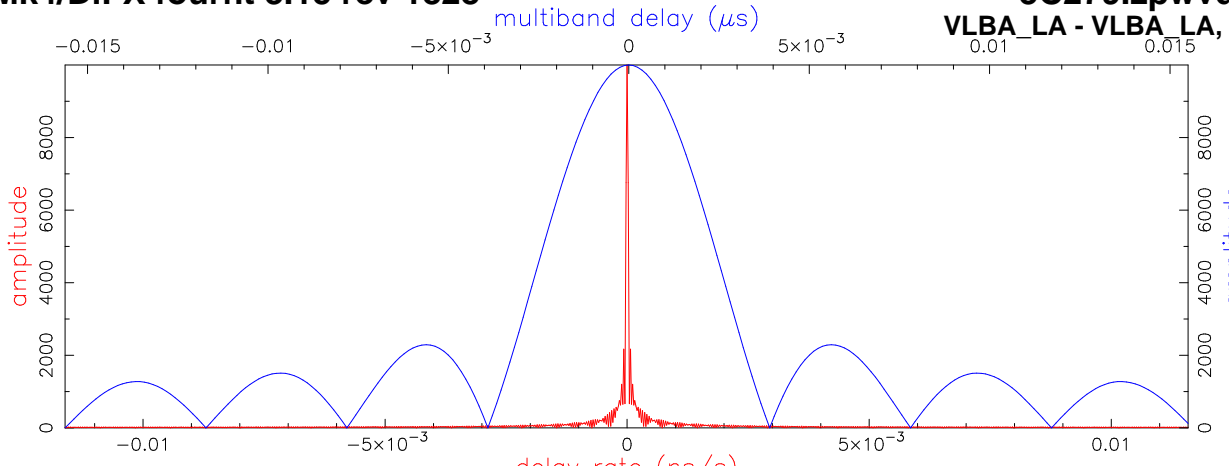
Avgd. Xpower Spectrum (MHz)

Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec

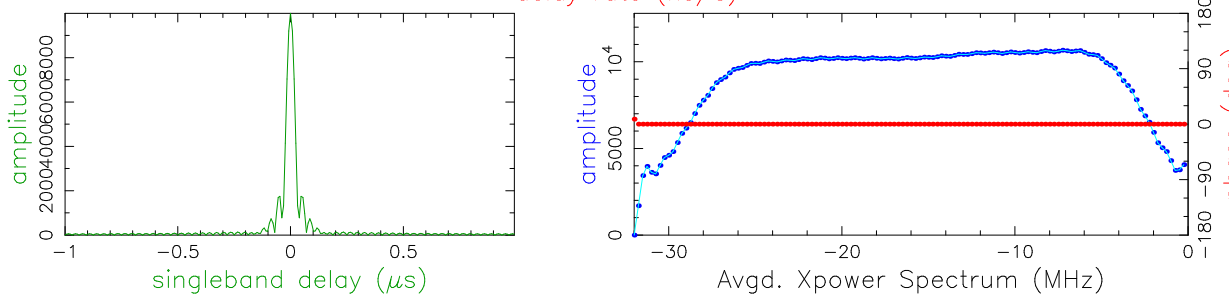


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480	APs used	
k	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
l	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
k:l	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
k:l	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
k	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
l	1000	1000	1000	1000	1000	1000	1000	1000		
k	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
l	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	-3.04175355339E+02		Apriori delay (usec)	-3.04223209186E+02	Resid mbdelay (usec)	-1.46462E-02	+/-	3.3E-04		
Sband delay (usec)	-3.04161107186E+02		Apriori clock (usec)	1.2080617E+00	Resid sbdelay (usec)	6.21020E-02	+/-	2.7E-03		
Phase delay (usec)	-3.04223207310E+02		Apriori clockrate (us/s)	9.8593930E-08	Resid phdelay (usec)	1.87612E-06	+/-	5.7E-07		
Delay rate (us/s)	1.29265495003E-01		Apriori rate (us/s)	1.29265368445E-01	Resid rate (us/s)	1.26559E-07	+/-	4.1E-09		
Total phase (deg)	-388.0		Apriori accel (us/s/s)	2.26369299418E-06	Resid phase (deg)	-301.8	+/-	17.7		

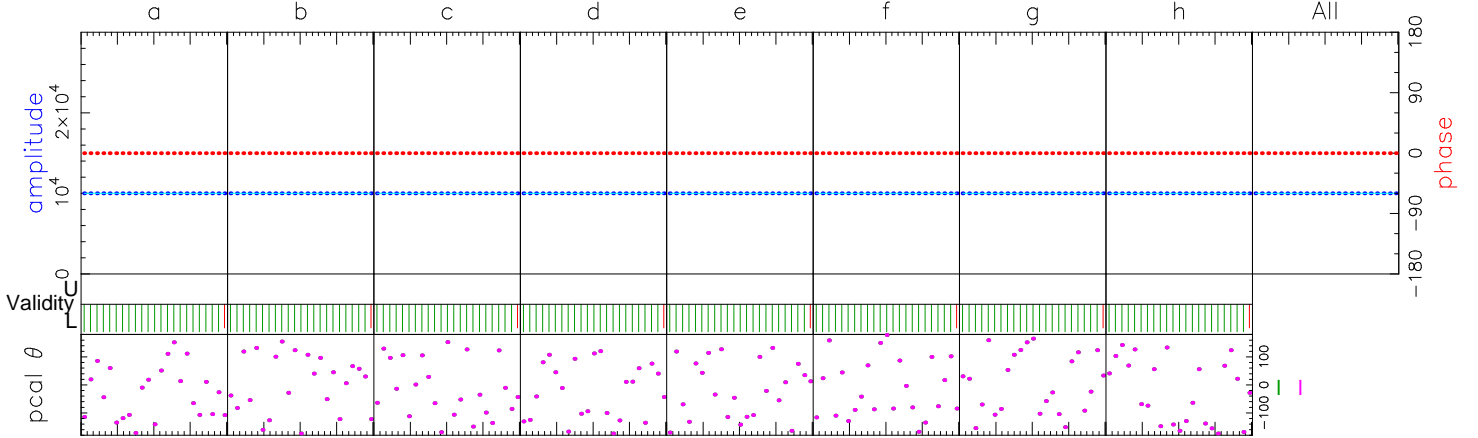
ph/seg (deg) 64.3 42.4 Search (1024X32) 0.202 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 86.0 73.9 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 28.4 25.0 Inc. seg. avg. 0.259 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 24.7 43.6 Inc. frq. avg. 0.219 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 k: az 125.6 el 34.9 pa -43.7 l: az 132.7 el 35.9 pa -36.5 u,v (fr/asec) -742.791 -506.145 ion window (TEC) 0.00 0.00 simultaneous interpolator



Fringe quality 9
 SNR 299555.2
 Int time 239.988
 Amp 9999.999
 Phase 0.0
 PFD 0.0e+00
 Delays (us)
 SBD 0.000000
 MBD 0.000000
 Fringe rate (Hz)
 0.000000
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.500
 Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050000.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024604
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"

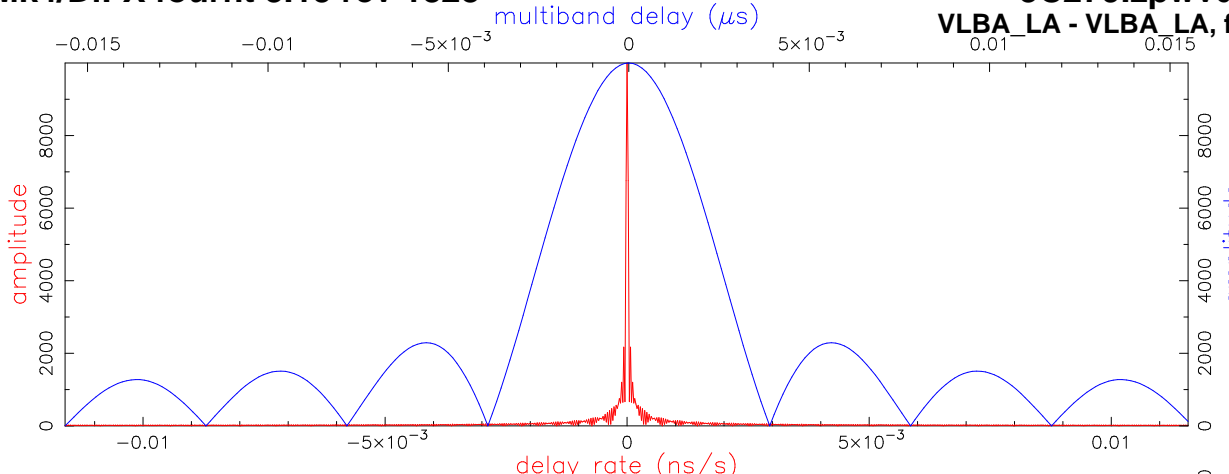


Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec

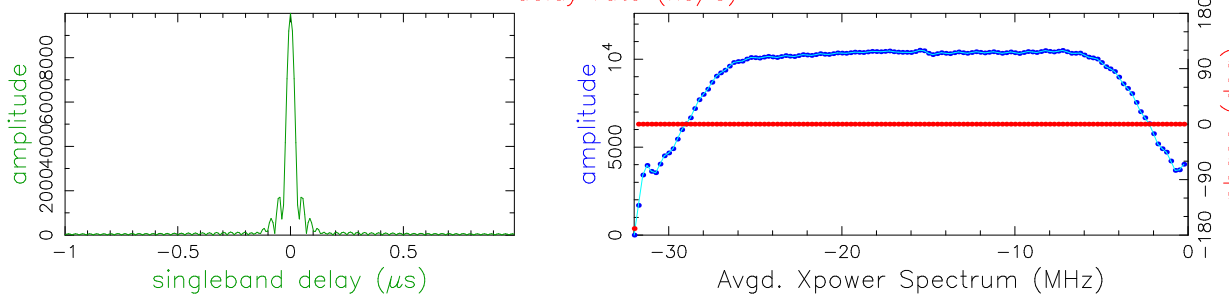


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480		
Validity	10000.0	10000.0	10000.0	10000.0	10000.0	10000.0	10000.0	10000.0	10000.0	10000.0
pcal θ	1000	1000	1000	1000	1000	1000	1000	1000		
Group delay (usec)(sbd)	0.0000000000E+00	0.0000000000E+00	0.0000000000E+00	0.0000000000E+00	0.0000000000E+00	0.0000000000E+00	0.0000000000E+00	0.0000000000E+00	0.00000E+00	+/- 7.2E-09
Sband delay (usec)	0.0000000000E+00	0.0000000000E+00	0.0000000000E+00	0.0000000000E+00	0.0000000000E+00	0.0000000000E+00	0.0000000000E+00	0.0000000000E+00	0.00000E+00	+/- 5.8E-08
Phase delay (usec)	0.0000000000E+00	0.0000000000E+00	0.0000000000E+00	0.0000000000E+00	0.0000000000E+00	0.0000000000E+00	0.0000000000E+00	0.0000000000E+00	0.00000E+00	+/- 1.2E-11
Delay rate (us/s)	0.0000000000E+00	0.0000000000E+00	0.0000000000E+00	0.0000000000E+00	0.0000000000E+00	0.0000000000E+00	0.0000000000E+00	0.0000000000E+00	0.00000E+00	+/- 8.9E-14
Total phase (deg)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	+/- 0.0

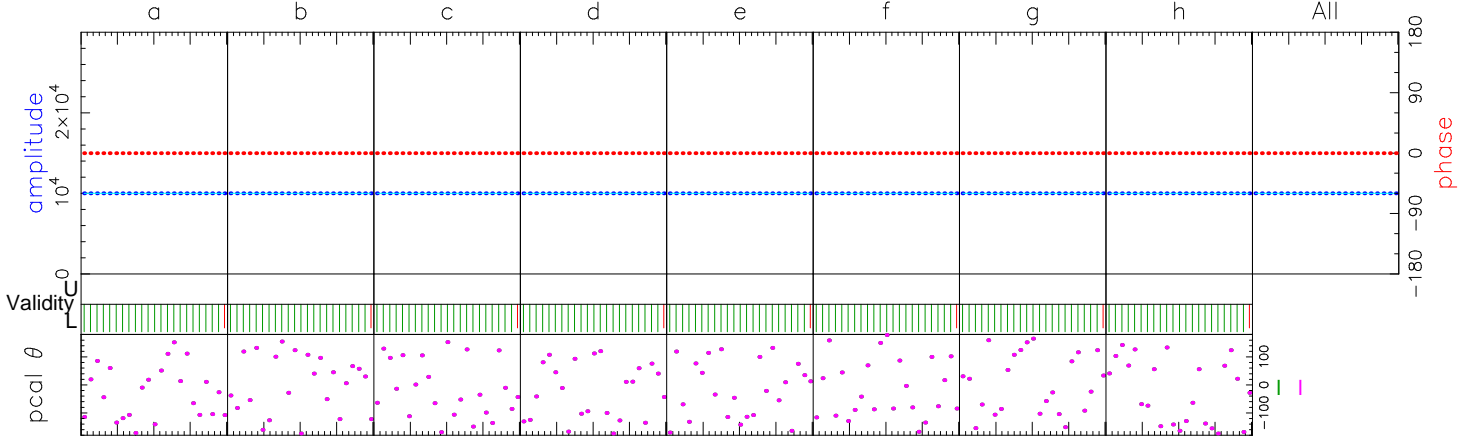
ph/seg (deg) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
 amp/seg (%) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
 ph/frq (deg) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
 amp/frq (%) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
 I: az 132.7 el 35.9 pa -36.5 I: az 132.7 el 35.9 pa -36.5 u,v (fr/asec) 0.000 0.000
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/ll.zpvdj Output file: /Exps/c171a/gmva/1234/No0584/ll.W.125.zpvdj



Fringe quality 9
 SNR 299555.2
 Int time 239.988
 Amp 9999.999
 Phase 0.0
 PFD 0.0e+00
 Delays (us)
 SBD 0.000000
 MBD 0.000000
 Fringe rate (Hz)
 0.000000
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.500
 Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050000.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024605
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"

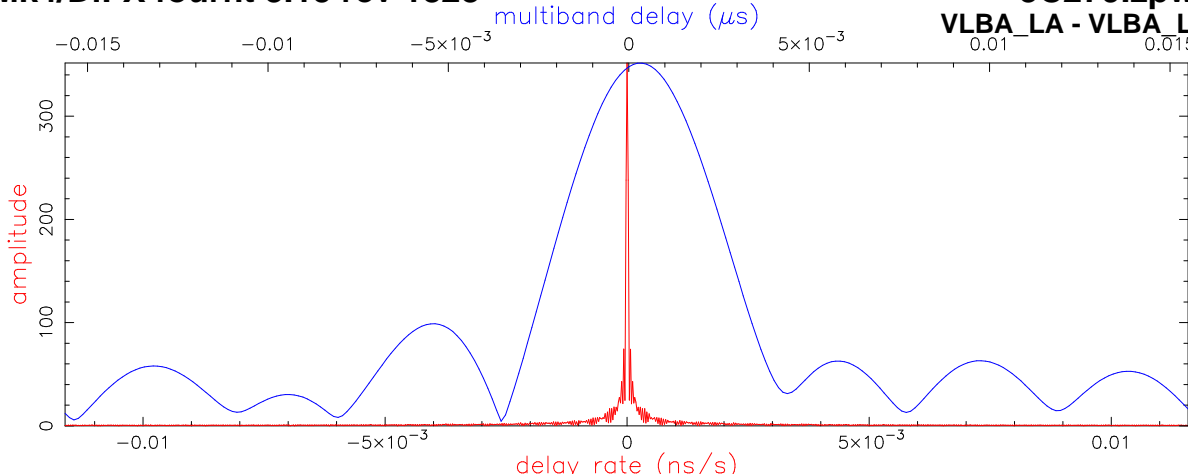


Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec

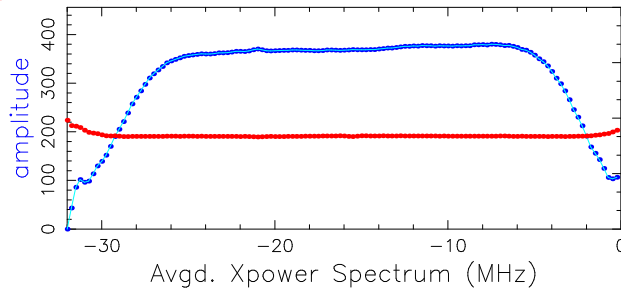
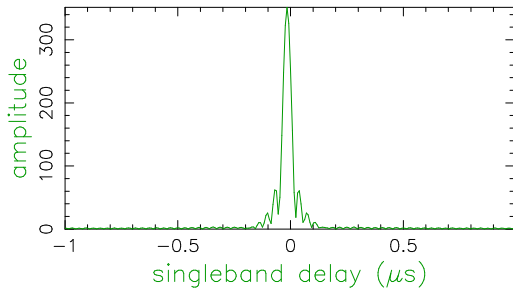


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480	10000.0	10000.0
Validity	10000.0	10000.0	10000.0	10000.0	10000.0	10000.0	10000.0	10000.0	10000.0	10000.0
pcal θ	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0
Group delay (usec)(sbd)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000000000E+00	+/- 7.2E-09
Sband delay (usec)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000000000E+00	+/- 5.8E-08
Phase delay (usec)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000000000E+00	+/- 1.2E-11
Delay rate (us/s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000000000E+00	+/- 8.9E-14
Total phase (deg)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	+/- 0.0

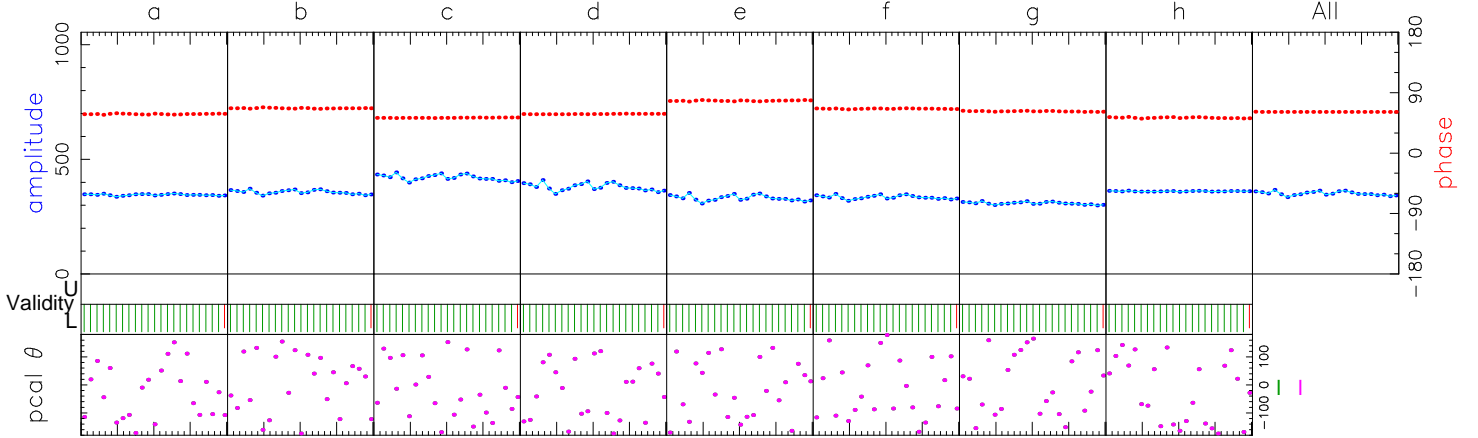
RMS Theor. Amplitude 9999.999 +/- 0.033 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 0.0 0.0 Search (1024X32) 9999.999 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 amp/seg (%) 0.0 0.0 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 ph/frq (deg) 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
 amp/frq (%) 0.0 0.0 Inc. frq. avg. 9999.999 ion window (TEC) 0.00 0.00
 I: az 132.7 el 35.9 pa -36.5 I: az 132.7 el 35.9 pa -36.5 u,v (fr/asec) 0.000 0.000 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/II.zpvdj Output file: /Exps/c171a/gmva/1234/No0584/II.W.126.zpvdj



Fringe quality 9
 SNR 10531.2
 Int time 239.988
 Amp 351.562
 Phase 241.4
 PFD 0.0e+00
 Delays (us)
 SBD -0.015370
 MBD 0.000316
 Fringe rate (Hz) 0.000002
 Ion TEC 0.000
 Ref freq (MHz) 86140.0000
 AP (sec) 0.500
 Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050000.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024606
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"



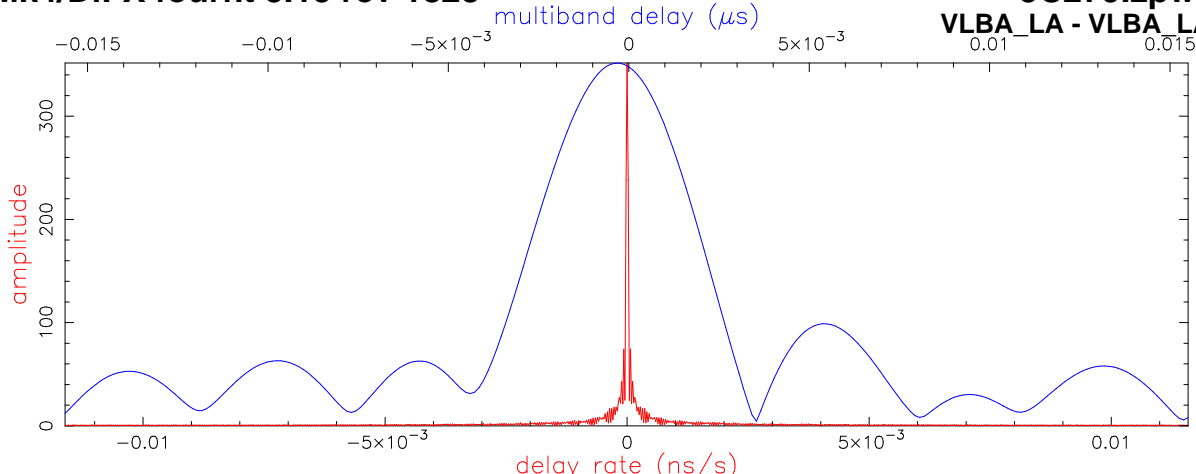
Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec



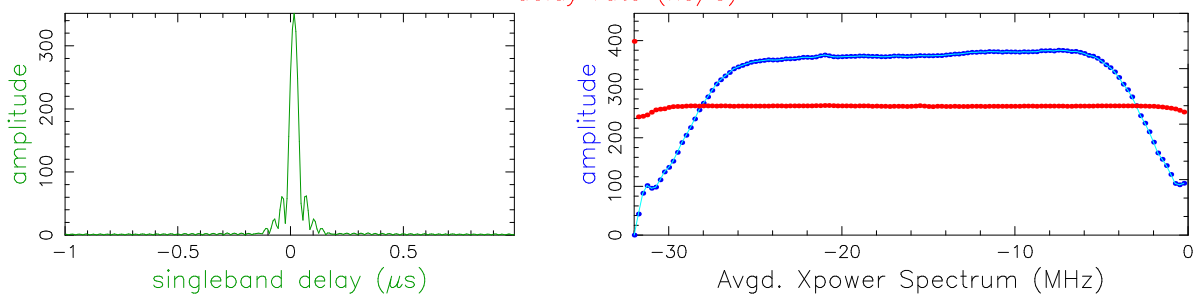
	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480		
Validity	1000	1000	1000	1000	1000	1000	1000	1000		
pcal θ	58.1	66.7	52.6	58.2	77.9	66.0	62.2	52.6		61.4
	345.3	357.3	420.6	379.6	331.5	335.0	308.6	361.0		354.9
	127.2	127.0	127.0	127.1	127.1	126.9	127.1	126.9		127.0
	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000		APs used
	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		PC freqs
	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		PC phase
	1000	1000	1000	1000	1000	1000	1000	1000		ManI PC
	1000	1000	1000	1000	1000	1000	1000	1000		PC amp
	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL		Chan ids
	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR		Tracks
										Chan ids
										Tracks
Group delay (usec)(sbd)	-3.09341250000E-02		Apriori delay (usec)		0.00000000000E+00		Resid mbdelay (usec)		3.15875E-04	+/- 2.1E-07
Sband delay (usec)	-1.53700000000E-02		Apriori clock (usec)		0.0000000E+00		Resid sbdelay (usec)		-1.53700E-02	+/- 1.6E-06
Phase delay (usec)	1.97844809680E-06		Apriori clockrate (us/s)		0.0000000E+00		Resid phdelay (usec)		1.97845E-06	+/- 3.5E-10
Delay rate (us/s)	1.88646389598E-11		Apriori rate (us/s)		0.00000000000E+00		Resid rate (us/s)		1.88646E-11	+/- 2.5E-12
Total phase (deg)	241.4		Apriori accel (us/s/s)		0.00000000000E+00		Resid phase (deg)		241.4	+/- 0.0

ph/seg (deg) 0.1 0.0 Theor. Amplitude 351.562 +/- 0.033 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 2.3 0.0 Search (1024X32) 347.863 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 9.1 0.0 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 9.1 0.0 Inc. seg. avg. 351.534 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. 354.874 ion window (TEC) 0.00 0.00

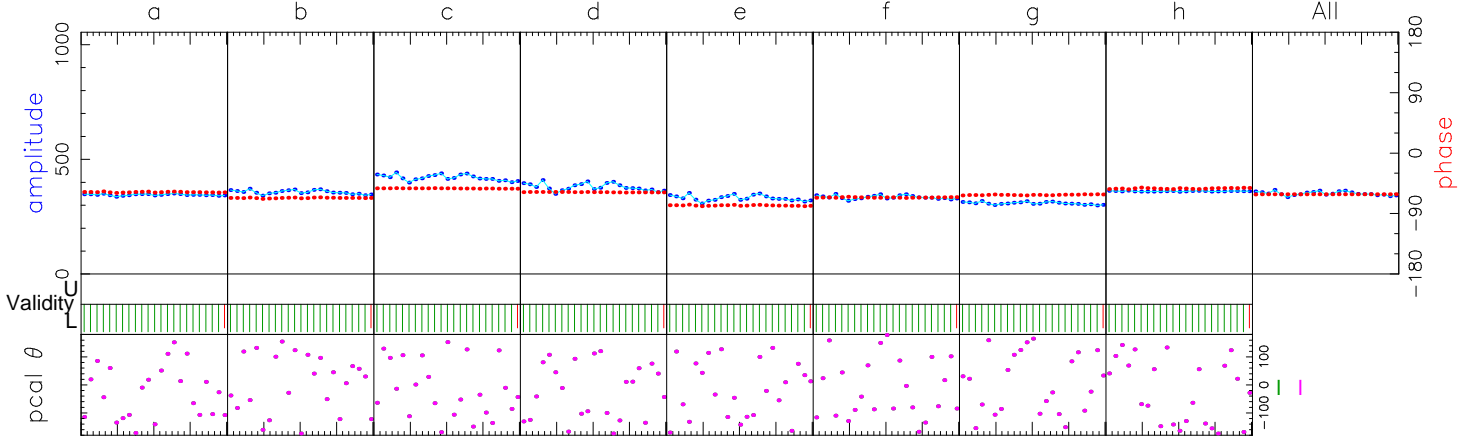
l: az 132.7 el 35.9 pa -36.5 l: az 132.7 el 35.9 pa -36.5 u,v (fr/asec) 0.000 0.000 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/II..zpvdj Output file: /Exps/c171a/gmva/1234/No0584/II.W.127.zpvdj



Fringe quality 9
 SNR 10531.2
 Int time 239.988
 Amp 351.562
 Phase -241.4
 PFD 0.0e+00
 Delays (us)
 SBD 0.015370
 MBD -0.000316
 Fringe rate (Hz)
 -0.000002
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.500
 Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050000.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024607
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"

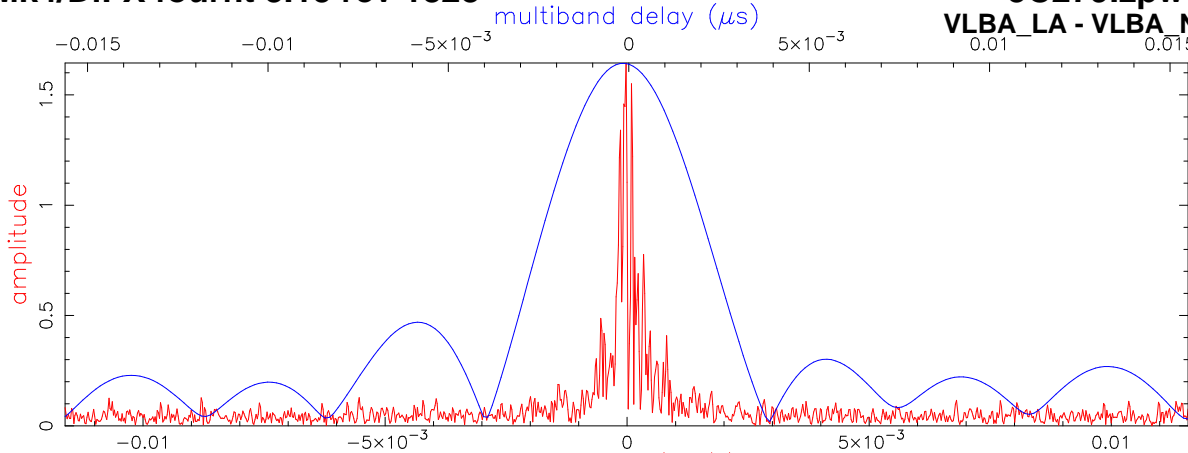


Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec



86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	86412.00	All
-58.1	-66.7	-52.6	-58.2	-77.9	-66.0	-62.2	-52.6	-61.4	Phase
345.3	357.3	420.6	379.6	331.5	335.0	308.6	361.0	354.9	Ampl.
130.8	131.0	131.0	130.9	130.9	131.1	130.9	131.1	131.0	Sbd box
U/L 0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480	APs used
I -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs
l:l 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase
l:l 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC
I 1000	1000	1000	1000	1000	1000	1000	1000	1000	PC amp
I 1000	1000	1000	1000	1000	1000	1000	1000	1000	
W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR		Chan ids
W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL		Tracks
									Tracks
Group delay (usec)(sbd)	3.09341250000E-02		Apriori delay (usec)	0.00000000000E+00		Resid mbdelay (usec)	-3.15875E-04	+/-	2.1E-07
Sband delay (usec)	1.53700000000E-02		Apriori clock (usec)	0.0000000E+00		Resid sbdelay (usec)	1.53700E-02	+/-	1.6E-06
Phase delay (usec)	-1.97844809663E-06		Apriori clockrate (us/s)	0.0000000E+00		Resid phdelay (usec)	-1.97845E-06	+/-	3.5E-10
Delay rate (us/s)	-1.88646389598E-11		Apriori rate (us/s)	0.00000000000E+00		Resid rate (us/s)	-1.88646E-11	+/-	2.5E-12
Total phase (deg)		-241.4	Apriori accel (us/s/s)	0.00000000000E+00		Resid phase (deg)	-241.4	+/-	0.0

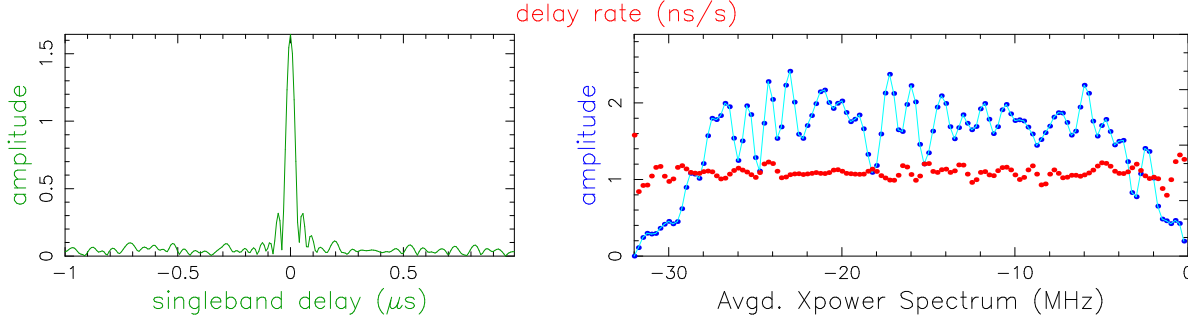
ph/seg (deg) 0.1 0.0 Theor. Amplitude 351.562 +/- 0.033 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 2.3 0.0 Search (1024X32) 347.863 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 9.1 0.0 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 9.1 0.0 Inc. seg. avg. 351.534 Sample rate(MSamp/s): 64 dr window (ns/s) -0.012 0.012
 amp/frq (%) 9.1 0.0 Inc. frq. avg. 354.874 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite ion window (TEC) 0.00 0.00



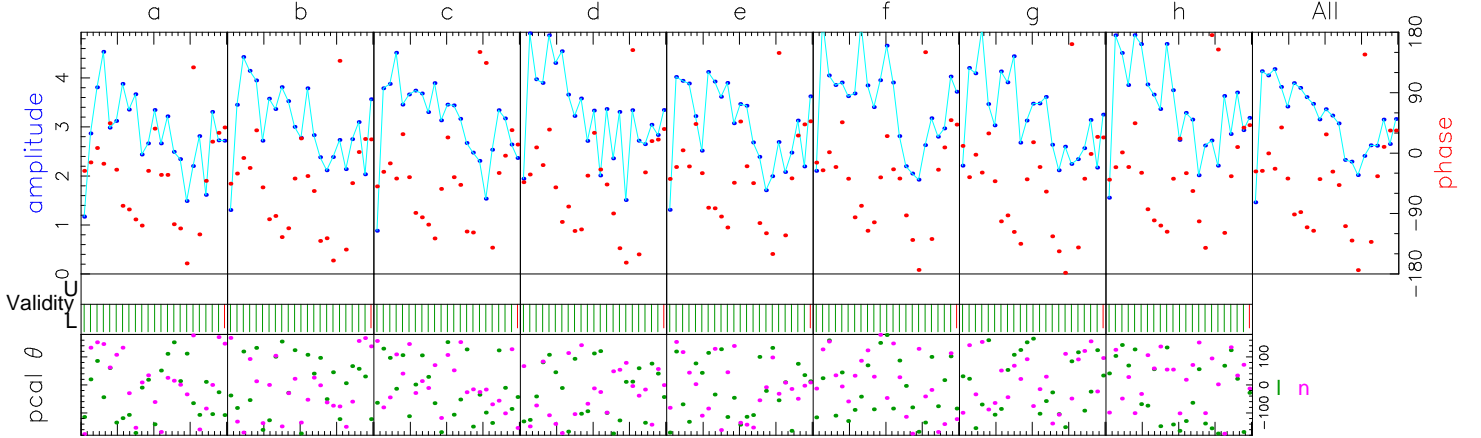
Fringe quality 5

SNR 49.3
 Int time 239.987
 Amp 1.645
 Phase -41.9
 PFD 0.0e+00
 Delays (us)
 SBD -0.000691
 MBD -0.000158
 Fringe rate (Hz) -0.002211
 Ion TEC 0.000
 Ref freq (MHz) 86140.0000
 AP (sec) 0.500

Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050000.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024508
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"



Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec

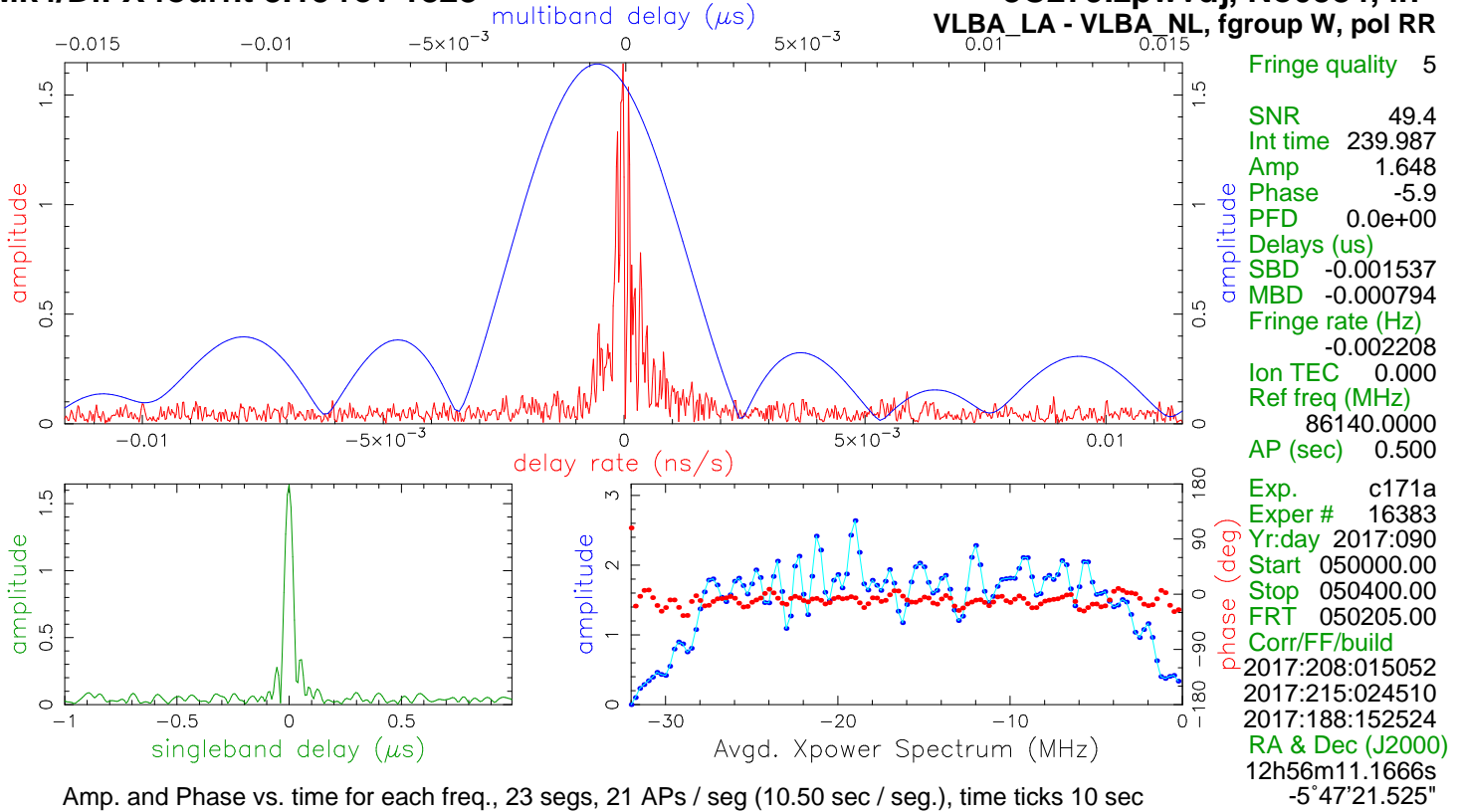


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480		
l	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	APs used	1.6
n	1000	1000	1000	1000	1000	1000	1000	1000	Sbd box	128.9
l	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	PC freqs	
n	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	PC phase	
									Manl PC	
									PC amp	
									Chan ids	
									Tracks	
									Chan ids	
									Tracks	

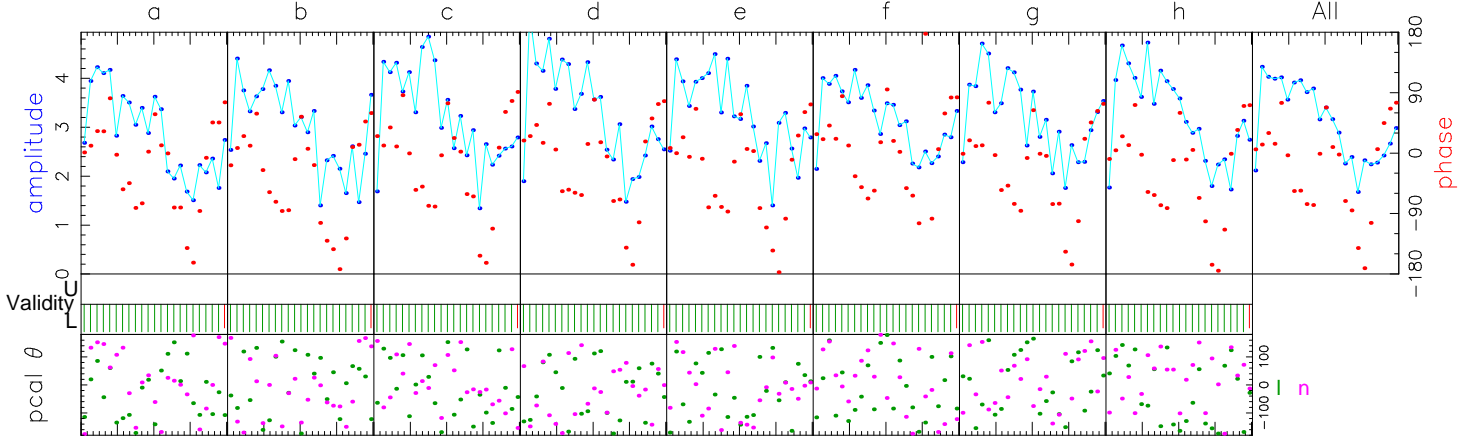
Group delay (usec)(sbd) -6.64167887431E+02 Apriori delay (usec) -6.64167729603E+02 Resid mbdelay (usec) -1.57829E-04 +/- 4.4E-05
 Sband delay (usec) -6.64168420603E+02 Apriori clock (usec) -9.6462507E+00 Resid sbdelay (usec) -6.91000E-04 +/- 3.5E-04
 Phase delay (usec) -6.64167730953E+02 Apriori clockrate (us/s) -3.9755959E-07 Resid phdelay (usec) -1.35046E-06 +/- 7.5E-08
 Delay rate (us/s) 3.17508414589E-01 Apriori rate (us/s) 3.17508440256E-01 Resid rate (us/s) -2.56675E-08 +/- 5.4E-10
 Total phase (deg) -123.9 Apriori accel (us/s/s) 4.42169587751E-06 Resid phase (deg) -41.9 +/- 2.3

ph/seg (deg) 69.2 5.6 RMS Theor. Amplitude 1.645 +/- 0.033 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 100.0 9.7 Search (1024X32) 1.631 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 6.8 3.3 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 5.8 5.7 Inc. seg. avg. 3.112 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. 1.649 ion window (TEC) 0.00 0.00

l: az 132.7 el 35.9 pa -36.5 n: az 151.6 el 38.3 pa -20.6 u,v (fr/asec) -1825.080 -754.050 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/ln..zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/ln.W.73.zpwwdj



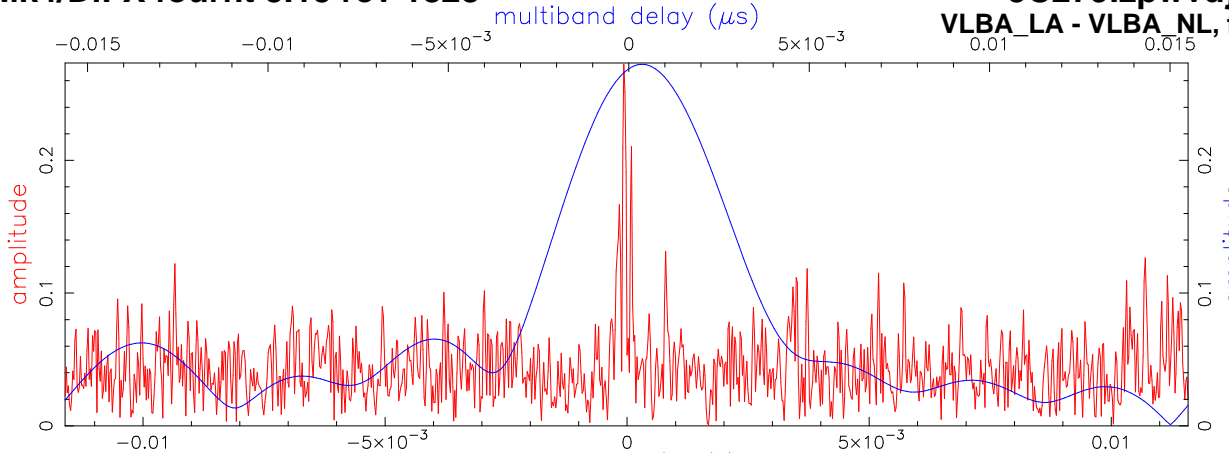
Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec



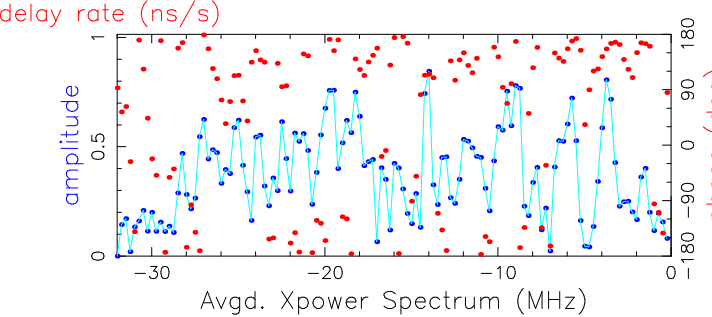
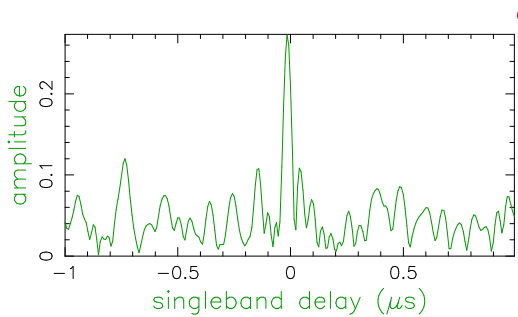
	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480		
l	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	APs used	
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
l:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
l:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
l	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
n	1000	1000	1000	1000	1000	1000	1000	1000		
l	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)	-6.64168523619E+02		Apriori delay (usec)	-6.64167729603E+02		Resid mbdelay (usec)	-7.94016E-04	+/-	4.4E-05	
Sband delay (usec)	-6.64169266603E+02		Apriori clock (usec)	-9.6462507E+00		Resid sbdelay (usec)	-1.53700E-03	+/-	3.5E-04	
Phase delay (usec)	-6.64167729793E+02		Apriori clockrate (us/s)	-3.9755959E-07		Resid phdelay (usec)	-1.90266E-07	+/-	7.5E-08	
Delay rate (us/s)	3.17508414627E-01		Apriori rate (us/s)	3.17508440256E-01		Resid rate (us/s)	-2.56298E-08	+/-	5.4E-10	
Total phase (deg)		-88.0	Apriori accel (us/s/s)	4.42169587751E-06		Resid phase (deg)	-5.9	+/-	2.3	
RMS	69.0	5.6	Amplitude	1.648 +/- 0.033		Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5	
ph/seg (deg)	69.0	5.6	Search (1024X32)	1.628		Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000	1.000
amp/seg (%)	99.4	9.7	Interp.	0.000		Bits/sample:	2x2	SampCntNorm:	enabled	
ph/frq (deg)	10.0	3.3	Inc. seg. avg.	3.082		Sample rate(MSamp/s):	64	mb window (us)	-0.016	0.016
amp/frq (%)	5.2	5.7	Inc. frq. avg.	1.659		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

l: az 132.7 el 35.9 pa -36.5 n: az 151.6 el 38.3 pa -20.6 u,v (fr/asec) -1825.080 -754.050 simultaneous interpolator

Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/ln..zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/ln.W.74.zpwvdj

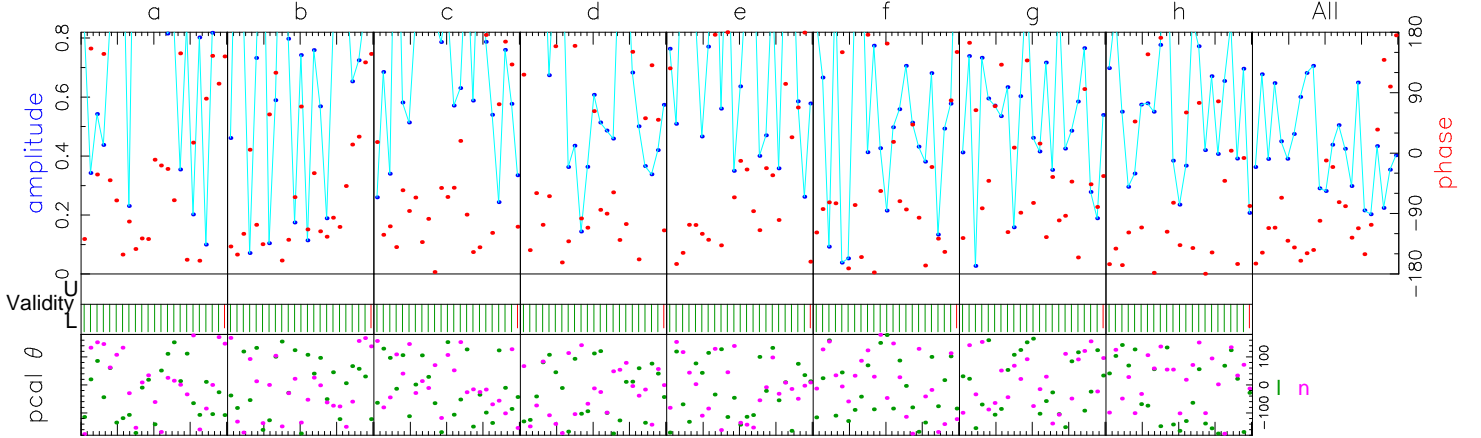


Fringe quality 9
 SNR 8.2
 Int time 239.987
 Amp 0.273
 Phase -123.9
 PFD 2.3e-08
 Delays (us)
 SBD -0.014035
 MBD 0.000362
 Fringe rate (Hz)
 -0.005172
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.500



Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050000.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024511
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"

Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec

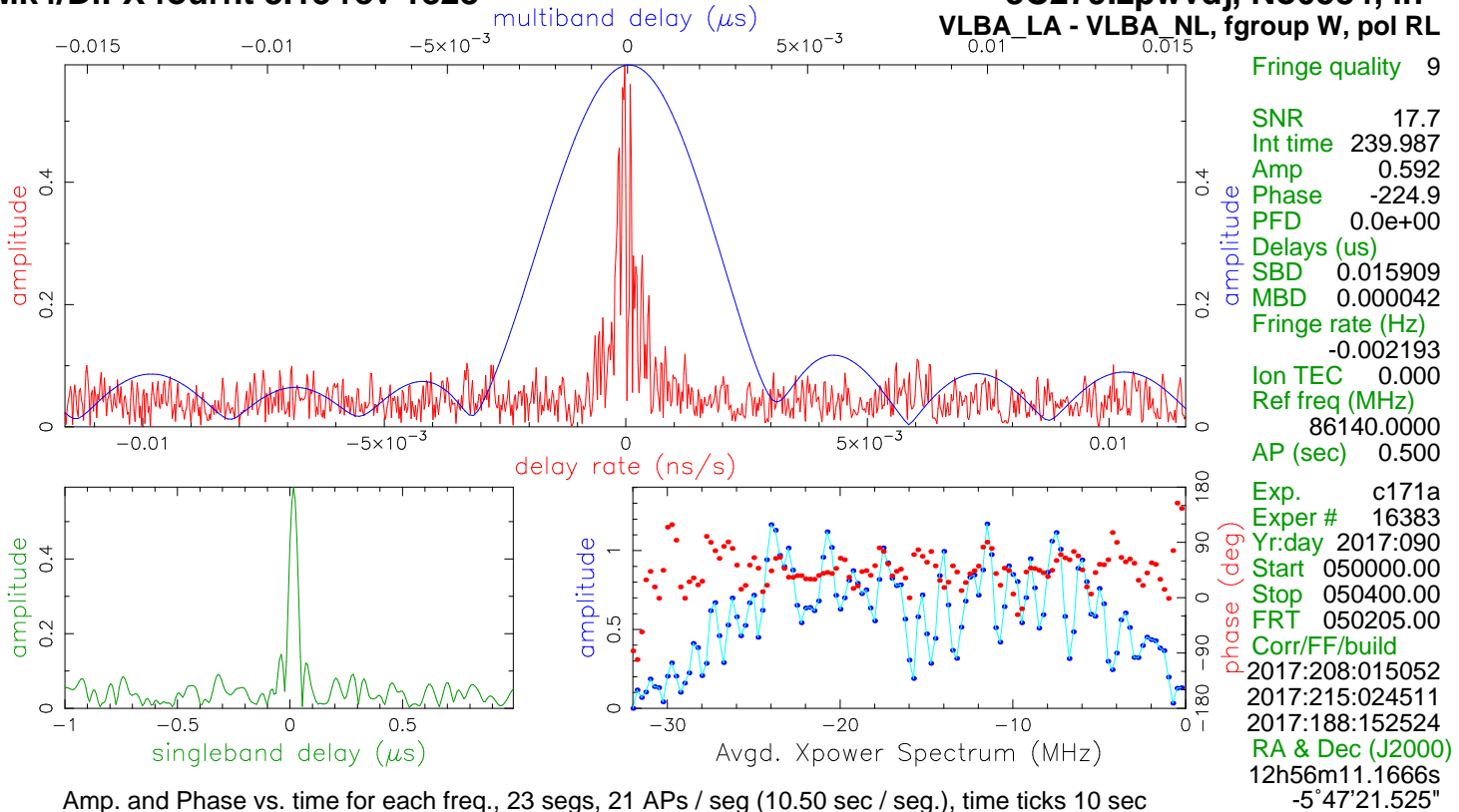


86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
-128.4	-128.3	-113.9	-135.3	-122.7	-113.6	-102.7	-144.7	Phase	-123.9
0.3	0.3	0.4	0.3	0.2	0.2	0.2	0.2	Ampl.	0.3
12.0	125.8	127.2	127.7	111.6	31.8	1.5	77.2	Sbd box	127.2
U/L 0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480	APs used	
l -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
n -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
l:n 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
l:n 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
l 1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
n 1000	1000	1000	1000	1000	1000	1000	1000		
l W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
n W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	

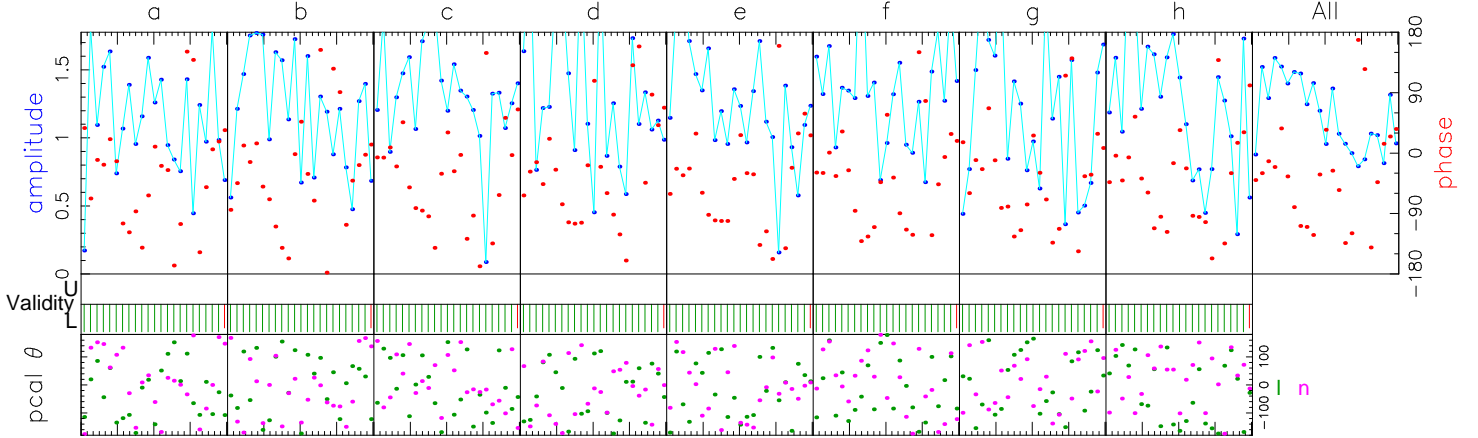
Group delay (usec)(sbd) -6.64167367838E+02 Apriori delay (usec) -6.64167729603E+02 Resid mbdelay (usec) 3.61764E-04 +/- 2.7E-04
 Sband delay (usec) -6.64181764103E+02 Apriori clock (usec) -9.6462507E+00 Resid sbdelay (usec) -1.40345E-02 +/- 2.1E-03
 Phase delay (usec) -6.64167733599E+02 Apriori clockrate (us/s) -3.9755959E-07 Resid phdelay (usec) -3.99594E-06 +/- 4.5E-07
 Delay rate (us/s) 3.17508380220E-01 Apriori rate (us/s) 3.17508440256E-01 Resid rate (us/s) -6.00360E-08 +/- 3.3E-09
 Total phase (deg) -206.0 Apriori accel (us/s/s) 4.42169587751E-06 Resid phase (deg) -123.9 +/- 14.0

RMS Theor. Amplitude 0.273 +/- 0.033 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 64.5 33.6 Search (1024X32) 0.263 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 amp/seg (%) 82.9 58.6 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 ph/frq (deg) 14.5 19.8 Inc. seg. avg. 0.375 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 (%) 29.1 34.5 Inc. frq. avg. 0.262 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite ion window (TEC) 0.00 0.00

l: az 132.7 el 35.9 pa -36.5 n: az 151.6 el 38.3 pa -20.6 u,v (fr/asec) -1825.080 -754.050 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/ln..zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/ln.W.75.zpwwdj



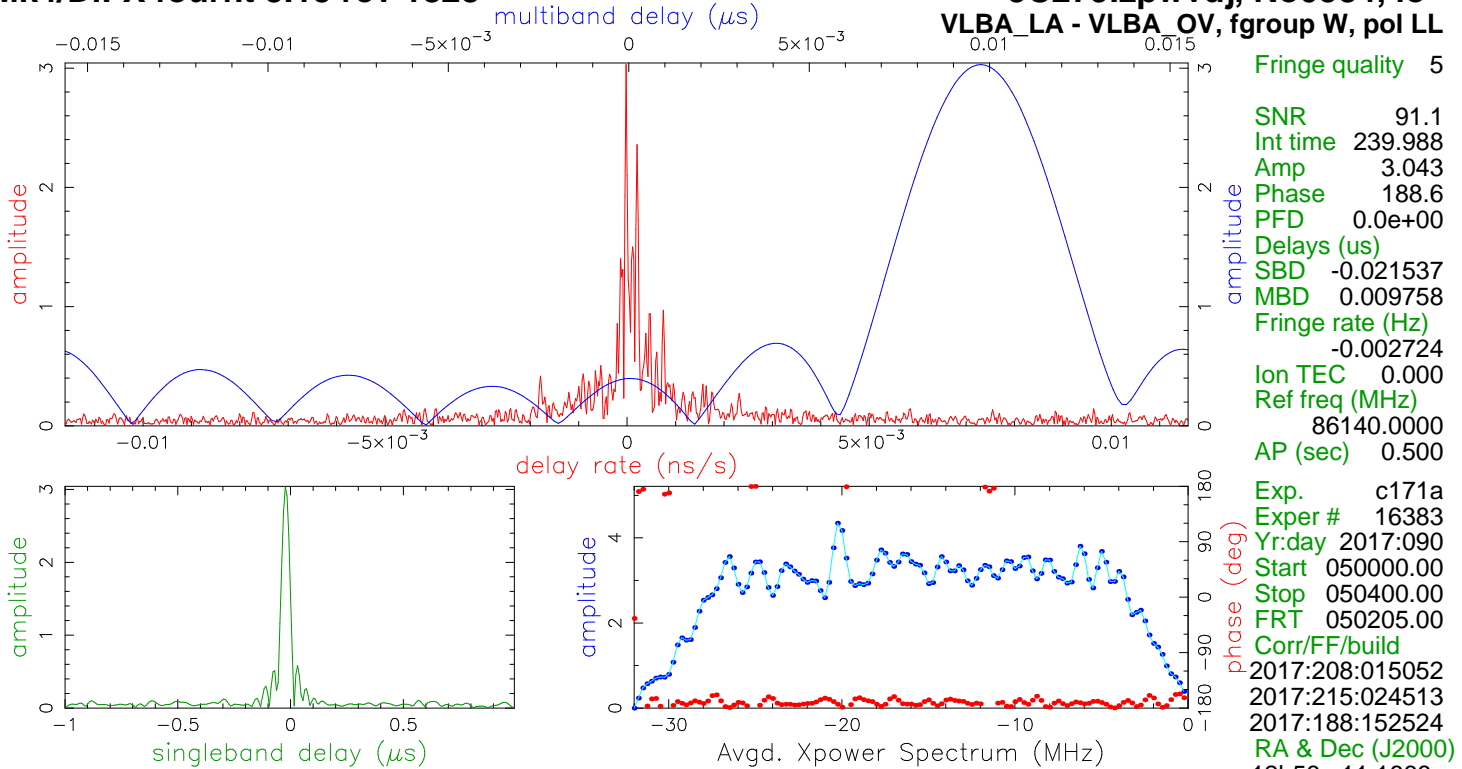
Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec



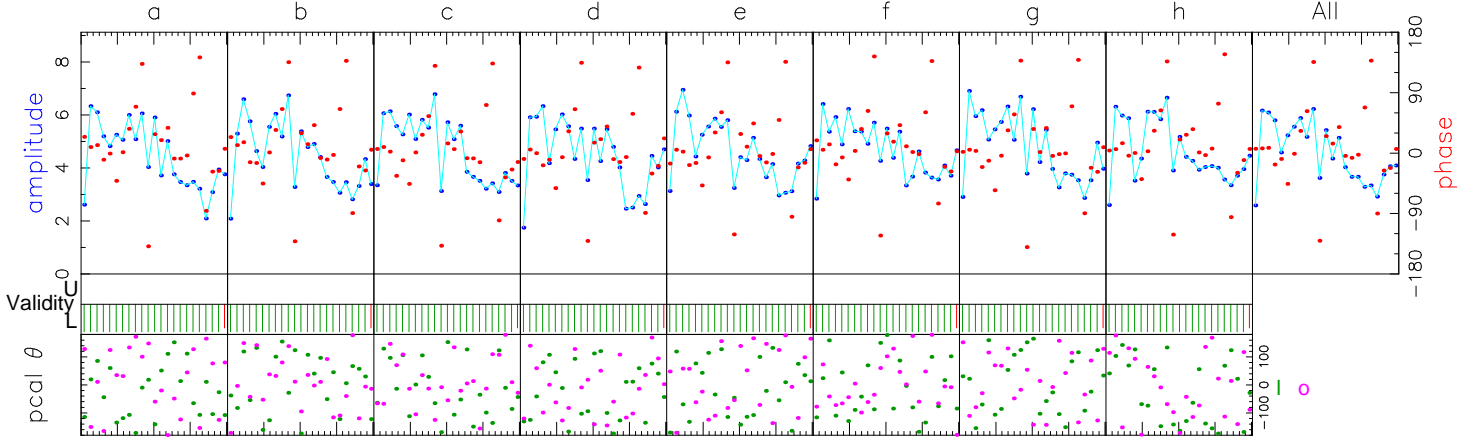
	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480		
l	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
l:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
l:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
l	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
n	1000	1000	1000	1000	1000	1000	1000	1000		
l	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
n	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
Group delay (usec)(sbd)	-6.64136437244E+02								4.23589E-05	+/- 1.2E-04
Sband delay (usec)	-6.64151820603E+02								1.59090E-02	+/- 9.7E-04
Phase delay (usec)	-6.64167731050E+02								-1.44744E-06	+/- 2.1E-07
Delay rate (us/s)	3.17508414798E-01								-2.54586E-08	+/- 1.5E-09
Total phase (deg)		-307.0							-224.9	+/- 6.5
Apriori delay (usec)										
Apriori clock (usec)										
Apriori clockrate (us/s)										
Apriori rate (us/s)										
Apriori accel (us/s/s)										
Resid mbdelay (usec)										
Resid sbdelay (usec)										
Resid phdelay (usec)										
Resid rate (us/s)										
Resid phase (deg)										
Pcal mode:	MANUAL	MANUAL							PC period (AP's)	5, 5
Pcal rate:	0.000E+00	0.000E+00							sb window (us)	-1.000 1.000
Bits/sample:	2x2								mb window (us)	-0.016 0.016
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
nlags:	128									
t_cohere	infinite									

l: az 132.7 el 35.9 pa -36.5 n: az 151.6 el 38.3 pa -20.6 u,v (fr/asec) -1825.080 -754.050 simultaneous interpolator

Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/ln..zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/ln.W.76.zpwwdj



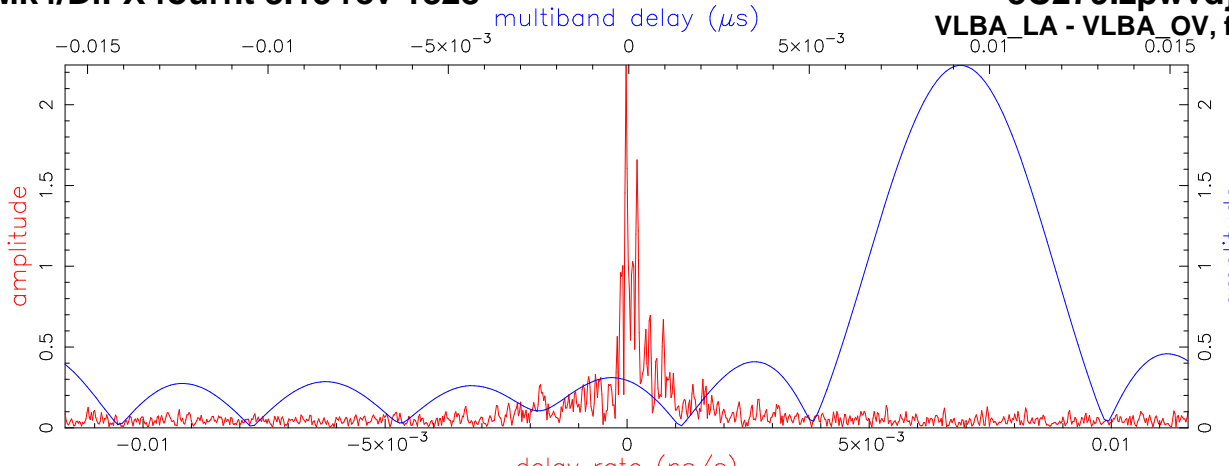
Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec



	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All	
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480			
l	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	APs used		
o	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs		
l:o	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase		
l:o	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC		
l	1000	1000	1000	1000	1000	1000	1000	1000	PC amp		
o	1000	1000	1000	1000	1000	1000	1000	1000			
l	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)	2.67472103570E+03		Apriori delay (usec)		2.67474252740E+03		Resid mbdelay (usec)		9.75830E-03	+/- 2.4E-05	
Sband delay (usec)	2.67472099040E+03		Apriori clock (usec)		-6.4515615E+00		Resid sbdelay (usec)		-2.15370E-02	+/- 1.9E-04	
Phase delay (usec)	2.67474252768E+03		Apriori clockrate (us/s)		-3.6045700E-07		Resid phdelay (usec)		2.75937E-07	+/- 4.1E-08	
Delay rate (us/s)	-1.77078250844E-01		Apriori rate (us/s)		-1.77078219217E-01		Resid rate (us/s)		-3.16273E-08	+/- 2.9E-10	
Total phase (deg)	300.3		Apriori accel (us/s/s)		-1.40215801985E-05		Resid phase (deg)		188.6	+/- 1.3	
	RMS	Theor.	Amplitude	3.043 +/- 0.033		Pcal mode: MANUAL, MANUAL		PC period (AP's) 5, 5			
ph/seg (deg)	57.9	3.0	Search (1024X32)	2.855		Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-1.000	1.000	
amp/seg (%)	61.4	5.3	Interp.	0.000		Bits/sample: 2x2		SampCntNorm: enabled	mb window (us)	-0.016	0.016
ph/frq (deg)	4.5	1.8	Inc. seg. avg.	4.550		Sample rate(MSamp/s): 64		dr window (ns/s)	-0.012	0.012	
amp/frq (%)	3.3	3.1	Inc. frq. avg.	3.035		Data rate(Mb/s): 1024		ion window (TEC)	0.00	0.00	

l: az 132.7 el 35.9 pa -36.5 o: az 122.6 el 27.4 pa -42.2 u,v (fr/asec) 1009.372 -65.529 simultaneous interpolator

Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/lo..zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/lo.W.77.zpwvdj



Fringe quality 5

SNR 67.3

Int time 239.988

Amp 2.246

Phase 290.0

PFD 0.0e+00

Delays (us)

SBD -0.022480

MBD 0.009200

Fringe rate (Hz)

-0.002702

Ion TEC 0.000

Ref freq (MHz)

86140.0000

AP (sec) 0.500

Exp. c171a

Exper # 16383

Yr:day 2017:090

Start 050000.00

Stop 050400.00

FRT 050205.00

Corr/FF/build

2017:208:015052

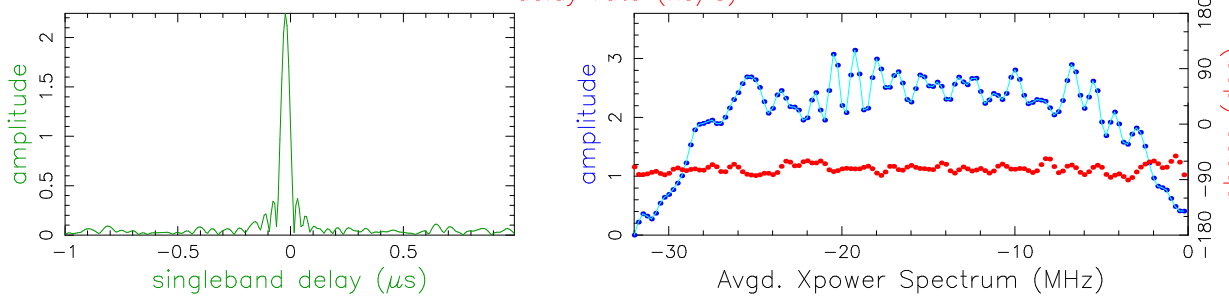
2017:215:024514

2017:188:152524

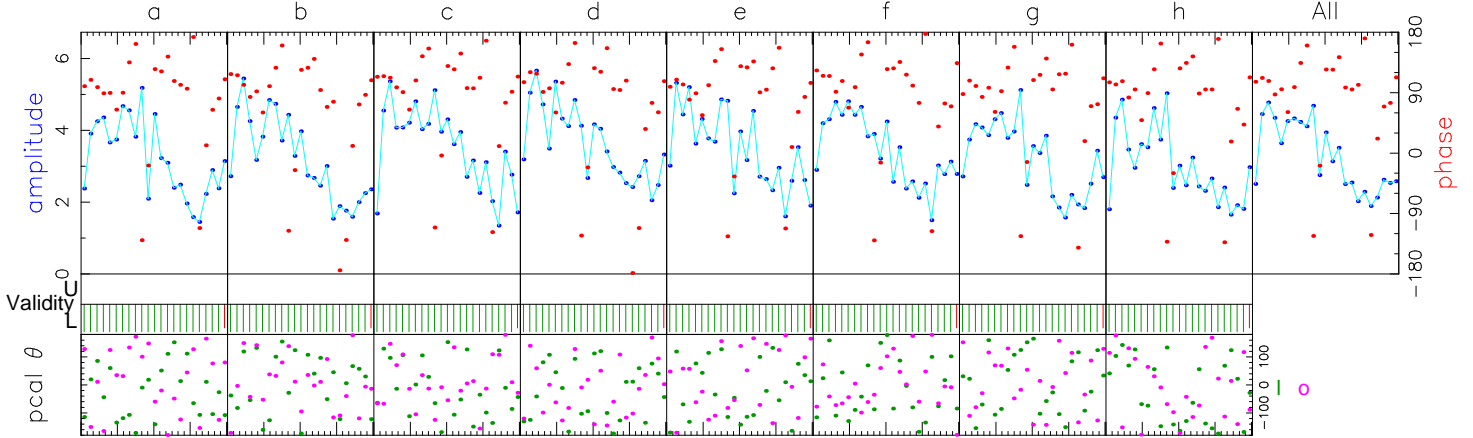
RA & Dec (J2000)

12h56m11.1666s

-5°47'21.525"



Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 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
	108.7	107.2	114.1	112.1	108.3	112.0	106.7	109.9	Phase	110.0
	2.2	2.1	2.4	2.5	2.4	2.4	2.2	1.9	Ampl.	2.2
	126.2	126.1	126.2	126.0	126.0	126.3	126.0	126.1	Sbd box	126.1
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480	APs used	
l	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
o	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
l:o	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
l:o	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
l	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
o	1000	1000	1000	1000	1000	1000	1000	1000		
l	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
o	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	
									Chan ids	
									Tracks	

Group delay (usec)(sbd) 2.67472047788E+03 Apriori delay (usec) 2.67474252740E+03 Resid mbdelay (usec) 9.20048E-03 +/- 3.2E-05

Sband delay (usec) 2.67472004790E+03 Apriori clock (usec) -6.4515615E+00 Resid sbdelay (usec) -2.24795E-02 +/- 2.6E-04

Phase delay (usec) 2.67474253095E+03 Apriori clockrate (us/s) -3.6045700E-07 Resid phdelay (usec) 3.54633E-06 +/- 5.5E-08

Delay rate (us/s) -1.77078250586E-01 Apriori rate (us/s) -1.77078219217E-01 Resid rate (us/s) -3.13690E-08 +/- 4.0E-10

Total phase (deg) 401.7 Apriori accel (us/s/s) -1.40215801985E-05 Resid phase (deg) 290.0 +/- 1.7

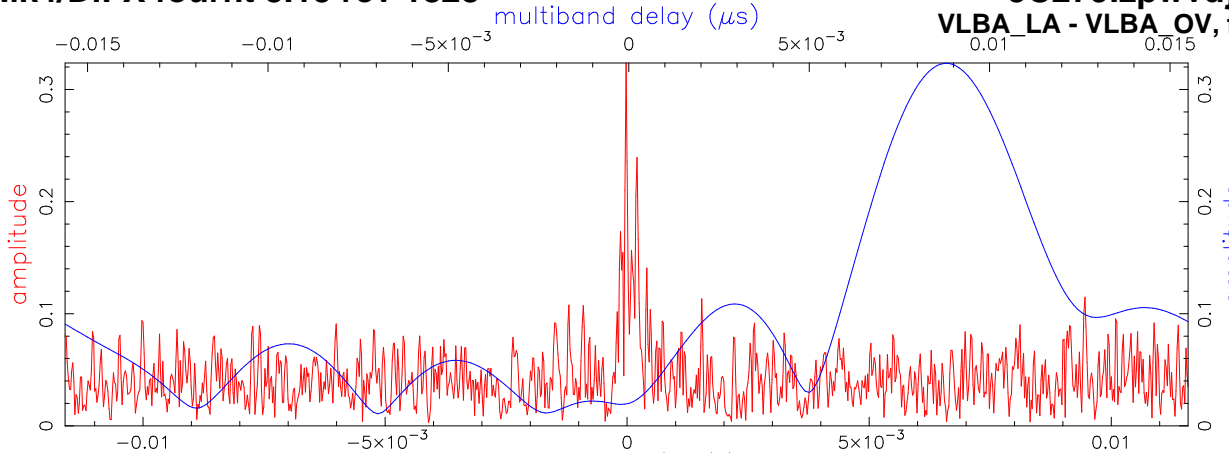
RMS Theor. Amplitude 2.246 +/- 0.033 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5

ph/seg (deg) 56.1 4.1 Search (1024X32) 2.094 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000

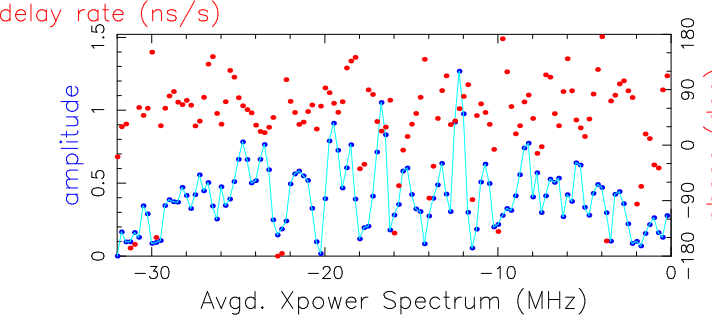
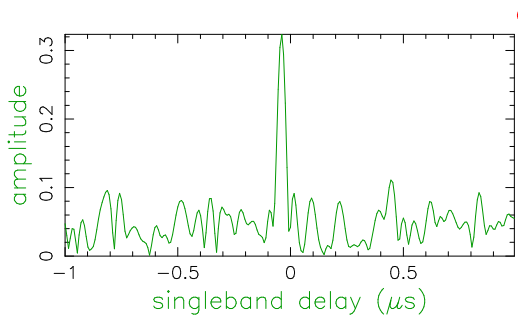
amp/seg (%) 63.0 7.1 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016

ph/frq (deg) 2.8 2.4 Inc. seg. avg. 3.295 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 (%) 7.4 4.2 Inc. frq. avg. 2.244 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite ion window (TEC) 0.00 0.00

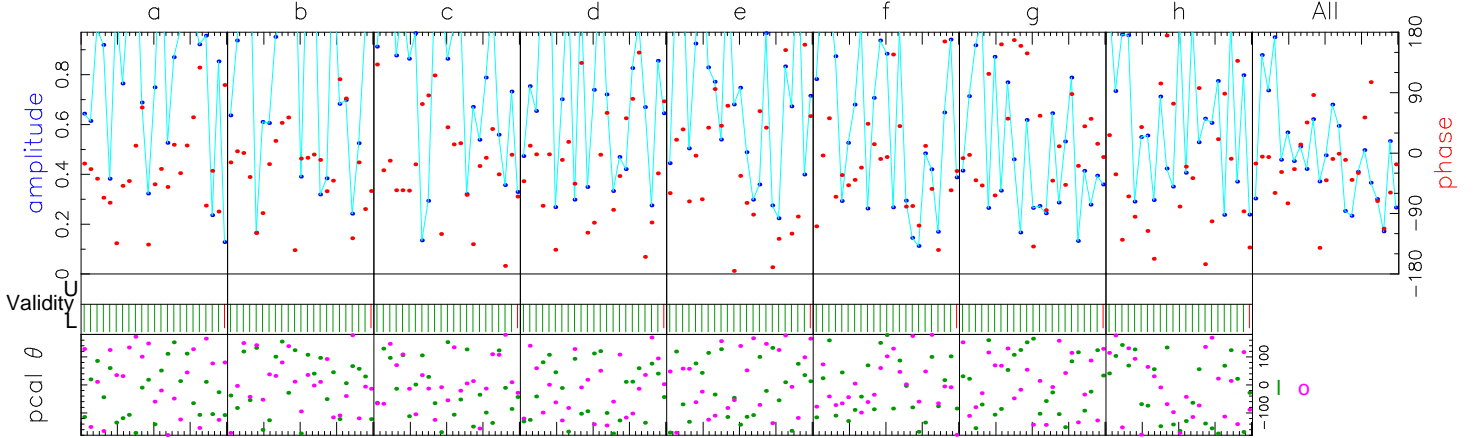


Fringe quality 9
SNR 9.7
Int time 239.988
Amp 0.324
Phase 342.4
PFD 3.3e-14
Delays (us)
SBD -0.039893
MBD 0.008805
Fringe rate (Hz)
-0.002269
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.500



Exp. c171a
Exper # 16383
Yr:day 2017:090
Start 050000.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052
2017:215:024515
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"

Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec



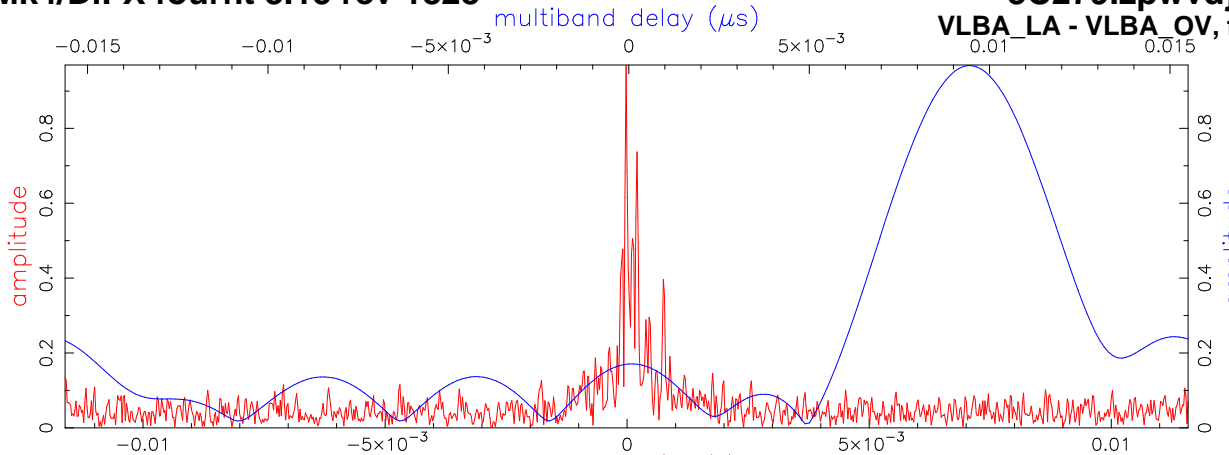
86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
-28.5	-15.7	-14.1	-6.3	3.7	-19.1	-6.3	-50.3	Phase	-17.6
0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	Ampl.	0.3
124.2	124.7	123.4	25.8	187.5	124.1	217.4	24.1	Sbd box	123.9
U/L 0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480	APs used	
l -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
o -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
l:o 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
l:o 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
l 1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
o 1000	1000	1000	1000	1000	1000	1000	1000		
l 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) 2.67468883257E+03 Apriori delay (usec) 2.67474252740E+03 Resid mbdelay (usec) 8.80517E-03 +/- 2.2E-04
 Sband delay (usec) 2.67470263440E+03 Apriori clock (usec) -6.4515615E+00 Resid sbdelay (usec) -3.98930E-02 +/- 1.8E-03
 Phase delay (usec) 2.67474252683E+03 Apriori clockrate (us/s) -3.6045700E-07 Resid phdelay (usec) -5.67324E-07 +/- 3.8E-07
 Delay rate (us/s) -1.77078245555E-01 Apriori rate (us/s) -1.77078219217E-01 Resid rate (us/s) -2.63379E-08 +/- 2.8E-09
 Total phase (deg) 454.1 Apriori accel (us/s/s) -1.40215801985E-05 Resid phase (deg) 342.4 +/- 11.8

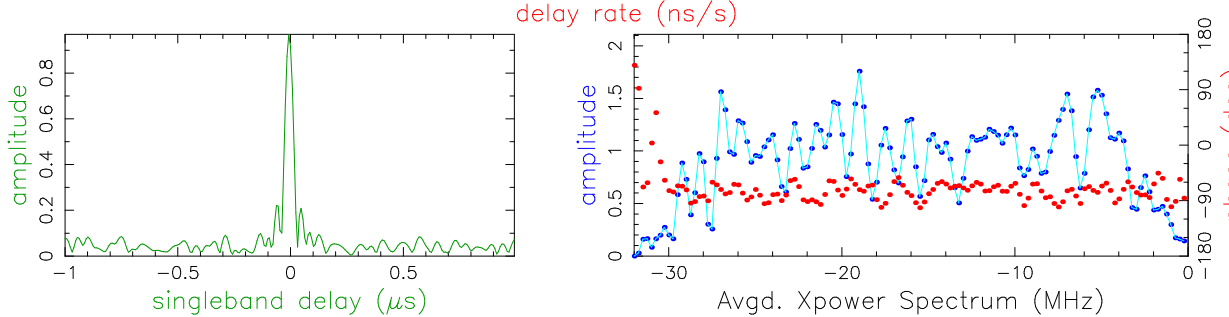
RMS Theor. Amplitude 0.324 +/- 0.033 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 56.0 28.3 Search (1024X32) 0.321 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 amp/seg (%) 77.9 49.5 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 ph/frq (deg) 17.9 16.7 Inc. seg. avg. 0.430 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 (%) 39.6 29.2 Inc. frq. avg. 0.318 ion window (TEC) 0.00 0.00

l: az 132.7 el 35.9 pa -36.5 o: az 122.6 el 27.4 pa -42.2 u,v (fr/asec) 1009.372 -65.529 simultaneous interpolator

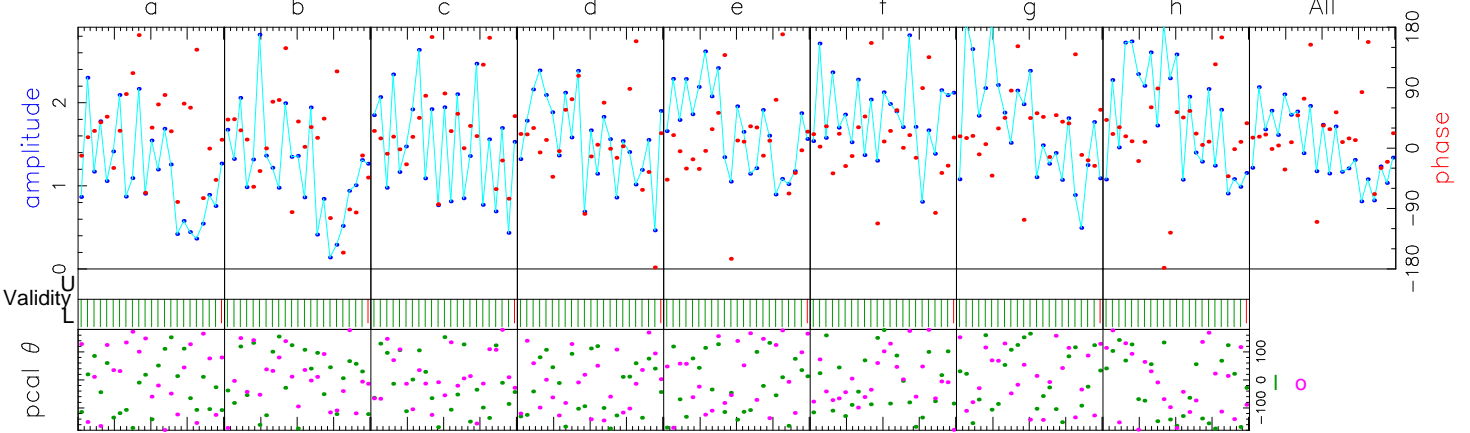
Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/lo..zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/lo.W.79.zpwvdj



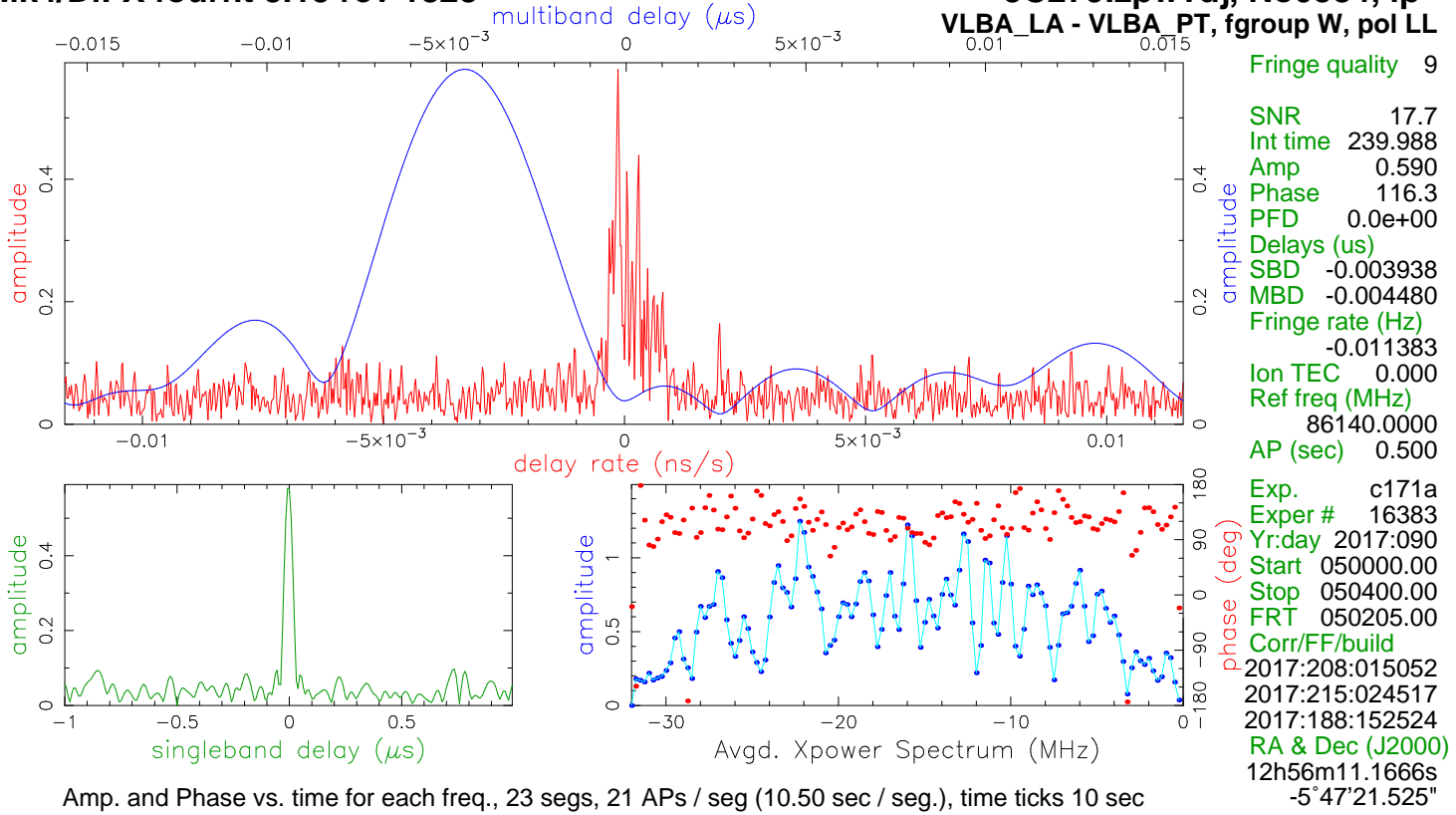
Fringe quality 5
 SNR 29.0
 Int time 239.988
 Amp 0.970
 Phase 198.0
 PFD 0.0e+00
 Delays (us)
 SBD -0.006671
 MBD 0.009454
 Fringe rate (Hz)
 -0.002817
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.500
 Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050000.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024516
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"



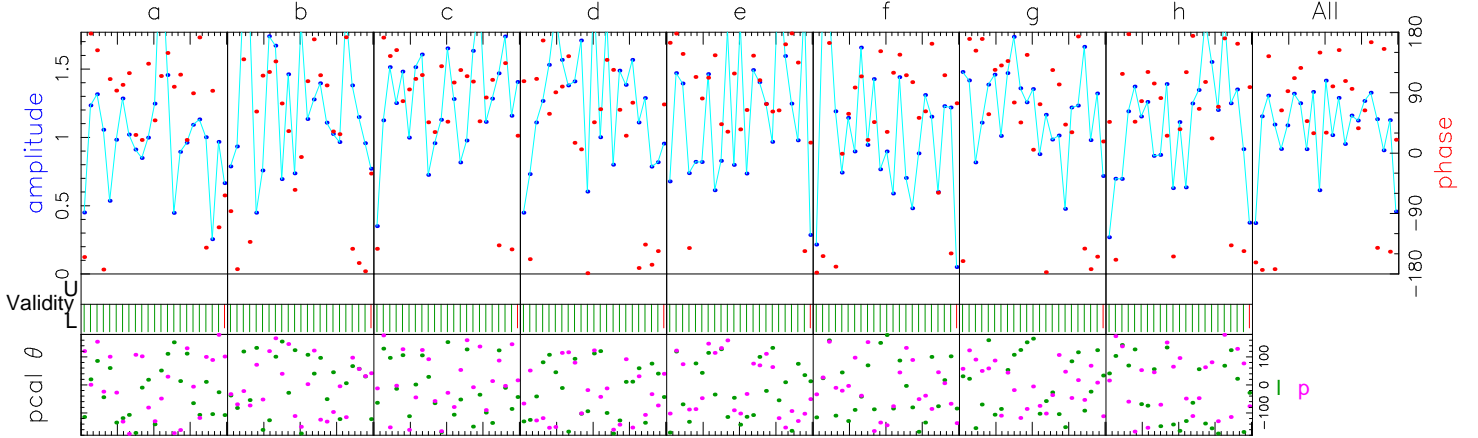
Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec



	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	32.1	7.2	28.2	18.7	3.3	7.2	20.5	31.7	Phase	18.0
	0.7	0.6	1.0	1.0	1.2	1.2	1.1	1.0	Ampl.	1.0
	127.8	128.0	128.2	128.1	128.4	128.2	128.0	128.4	Sbd box	128.1
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480	APs used	
l	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
o	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
l:o	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
l:o	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
l	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
o	1000	1000	1000	1000	1000	1000	1000	1000		
l	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)	2.67472073188E+03		Apriori delay (usec)		2.67474252740E+03		Resid mbdelay (usec)		9.45448E-03	+/- 7.5E-05
Sband delay (usec)	2.67473585590E+03		Apriori clock (usec)		-6.4515615E+00		Resid sbdelay (usec)		-6.67150E-03	+/- 5.9E-04
Phase delay (usec)	2.67474252798E+03		Apriori clockrate (us/s)		-3.6045700E-07		Resid phdelay (usec)		5.80176E-07	+/- 1.3E-07
Delay rate (us/s)	-1.77078251924E-01		Apriori rate (us/s)		-1.77078219217E-01		Resid rate (us/s)		-3.27069E-08	+/- 9.2E-10
Total phase (deg)	309.7		Apriori accel (us/s/s)		-1.40215801985E-05		Resid phase (deg)		198.0	+/- 3.9
	RMS	Theor.	Amplitude	0.970 +/- 0.033	Pcal mode: MANUAL, MANUAL		PC period (AP's) 5, 5			
ph/seg (deg)	58.7	9.5	Search (1024X32)	0.890	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)		-1.000	1.000
amp/seg (%)	65.0	16.5	Interp.	0.000	Bits/sample: 2x2		SampCntNorm: enabled		-0.016	0.016
ph/frq (deg)	12.6	5.6	Inc. seg. avg.	1.442	Sample rate(MSamp/s): 64		dr window (ns/s)		-0.012	0.012
amp/frq (%)	21.3	9.7	Inc. frq. avg.	0.981	Data rate(Mb/s): 1024		nlags: 128 t_cohere infinite		0.00	0.00
l: az 132.7 el 35.9 pa -36.5 o: az 122.6 el 27.4 pa -42.2 u,v (fr/asec) 1009.372 -65.529 simultaneous interpolator										
Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/lo..zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/lo.W.80.zpwvdj										



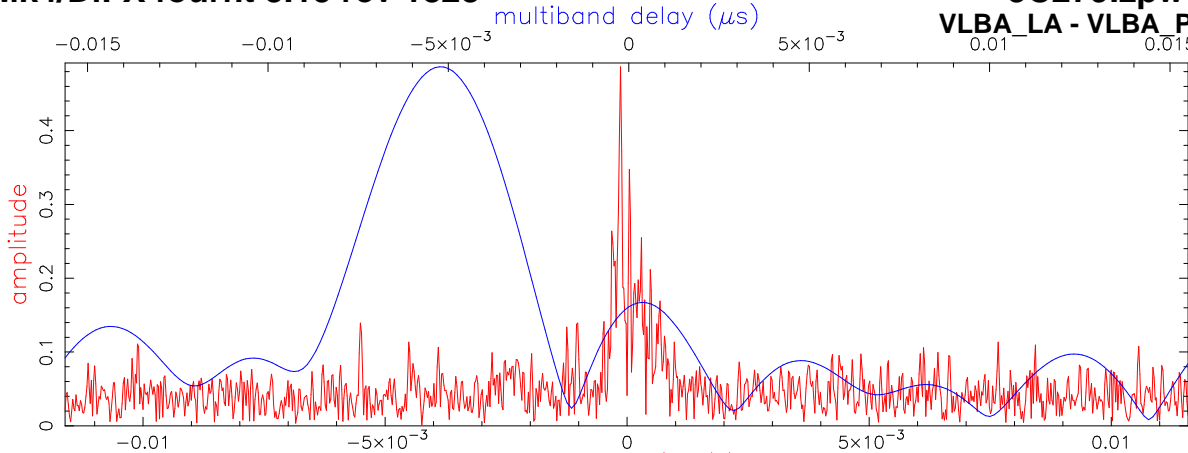
Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec



	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	123.8	137.4	107.5	95.9	113.9	120.3	132.0	111.1	Phase	116.3
	0.5	0.4	0.8	0.6	0.7	0.5	0.6	0.5	Ampl.	0.6
	129.1	128.9	129.2	128.2	127.8	127.8	128.6	128.5	Sbd box	128.5
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480	APs used	
l	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
p	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
l:p	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
l:p	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
l	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
p	1000	1000	1000	1000	1000	1000	1000	1000		
l	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)	4.12345459115E+01		Apriori delay (usec)		4.12390262579E+01		Resid mbdelay (usec)		-4.48035E-03	+/- 1.2E-04
Sband delay (usec)	4.12350877579E+01		Apriori clock (usec)		-6.6486692E+00		Resid sbdelay (usec)		-3.93850E-03	+/- 9.7E-04
Phase delay (usec)	4.12390300074E+01		Apriori clockrate (us/s)		-3.6714780E-07		Resid phdelay (usec)		3.74953E-06	+/- 2.1E-07
Delay rate (us/s)	-4.67450979373E-02		Apriori rate (us/s)		-4.67449657920E-02		Resid rate (us/s)		-1.32145E-07	+/- 1.5E-09
Total phase (deg)	16.1		Apriori accel (us/s/s)		-4.97744889946E-07		Resid phase (deg)		116.3	+/- 6.5
	RMS	Theor.	Amplitude	0.590 +/- 0.033	Pcal mode: MANUAL, MANUAL		PC period (AP's) 5, 5			
ph/seg (deg)	60.8	15.5	Search (1024X32)	0.565	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)		-1.000	1.000
amp/seg (%)	93.1	27.1	Interp.	0.000	Bits/sample: 2x2		SampCntNorm: enabled		-0.016	0.016
ph/frq (deg)	14.7	9.2	Inc. seg. avg.	1.032	Sample rate(MSamp/s): 64		dr window (ns/s)		-0.012	0.012
amp/frq (%)	19.3	16.0	Inc. frq. avg.	0.586	Data rate(Mb/s): 1024		ion window (TEC)		0.00	0.00

l: az 132.7 el 35.9 pa -36.5 p: az 130.1 el 35.7 pa -39.2 u,v (fr/asec) 268.839 189.438 simultaneous interpolator

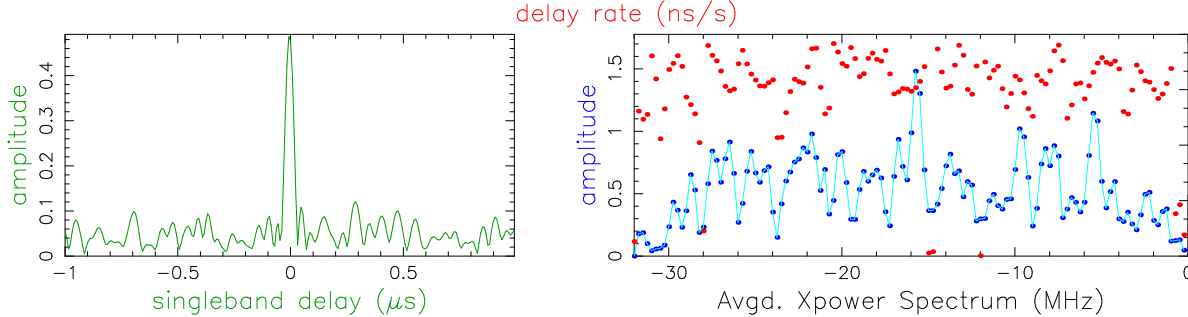
Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/lp..zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/lp.W.81.zpwvdj



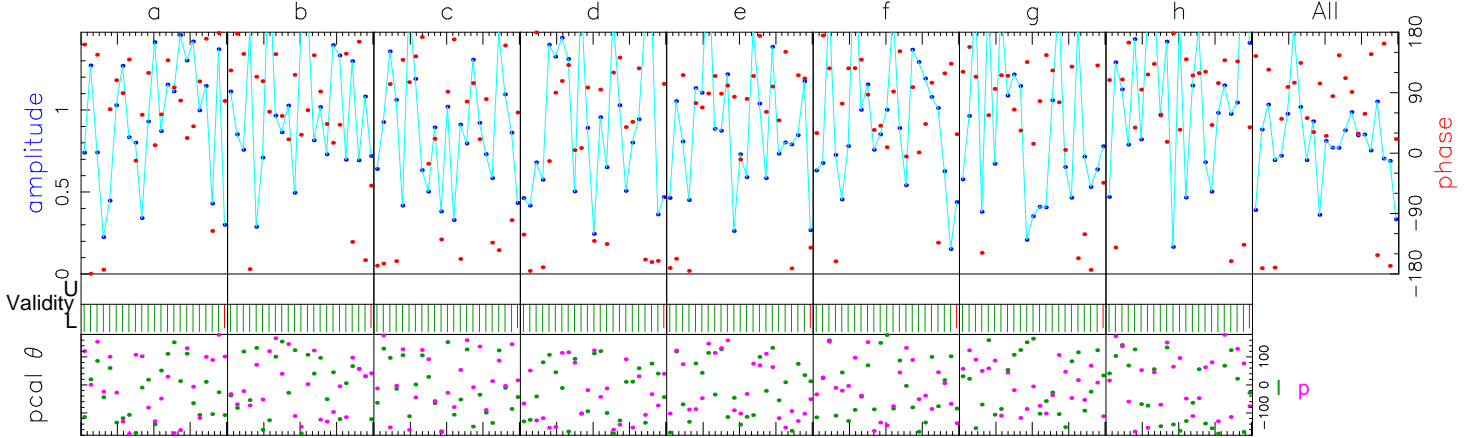
Fringe quality 9

SNR 14.7
Int time 239.988
Amp 0.492
Phase 109.6
PFD 6.8e-41
Delays (us)
SBD -0.004856
MBD -0.005200
Fringe rate (Hz)
-0.011205
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.500

Exp. c171a
Exper # 16383
Yr:day 2017:090
Start 050000.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052
2017:215:024518
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"



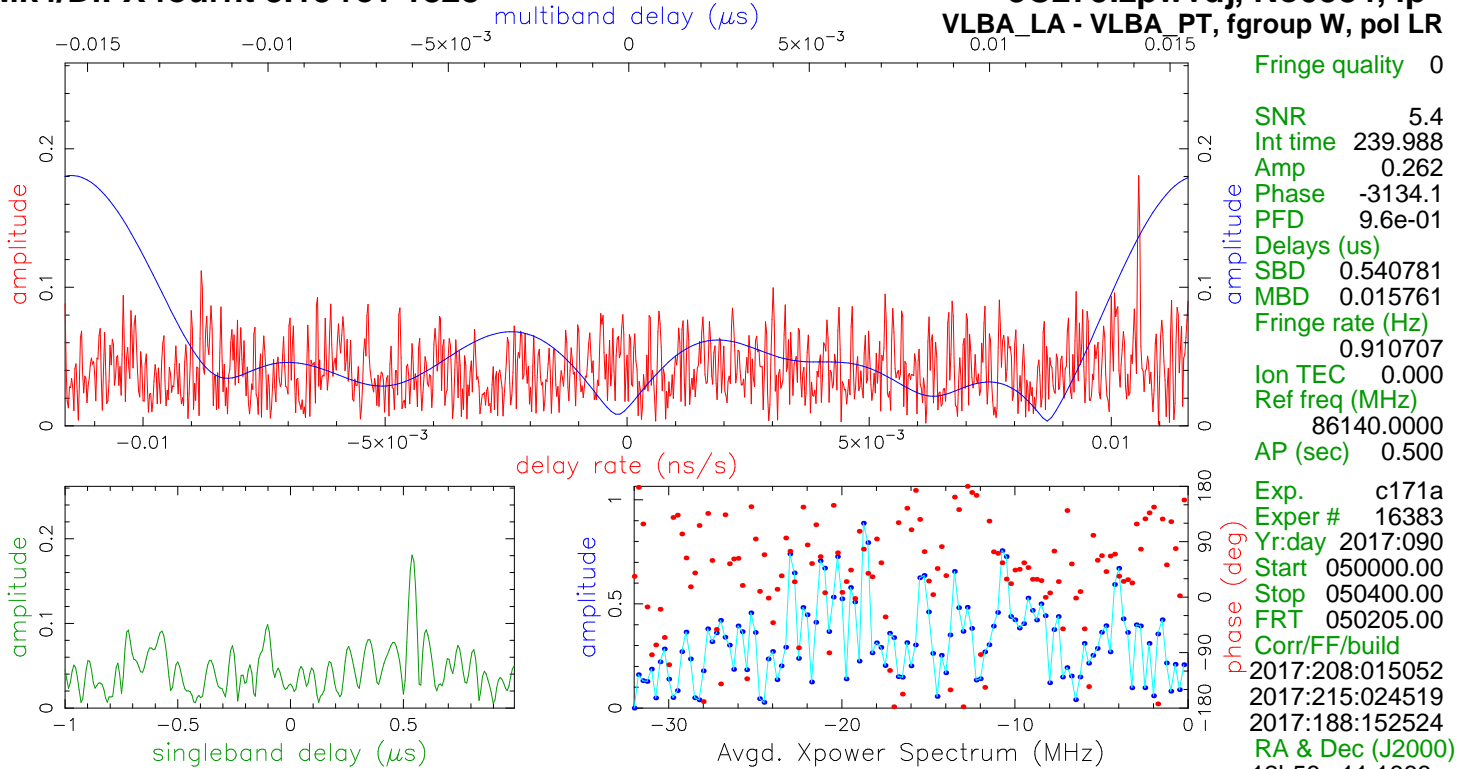
Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec



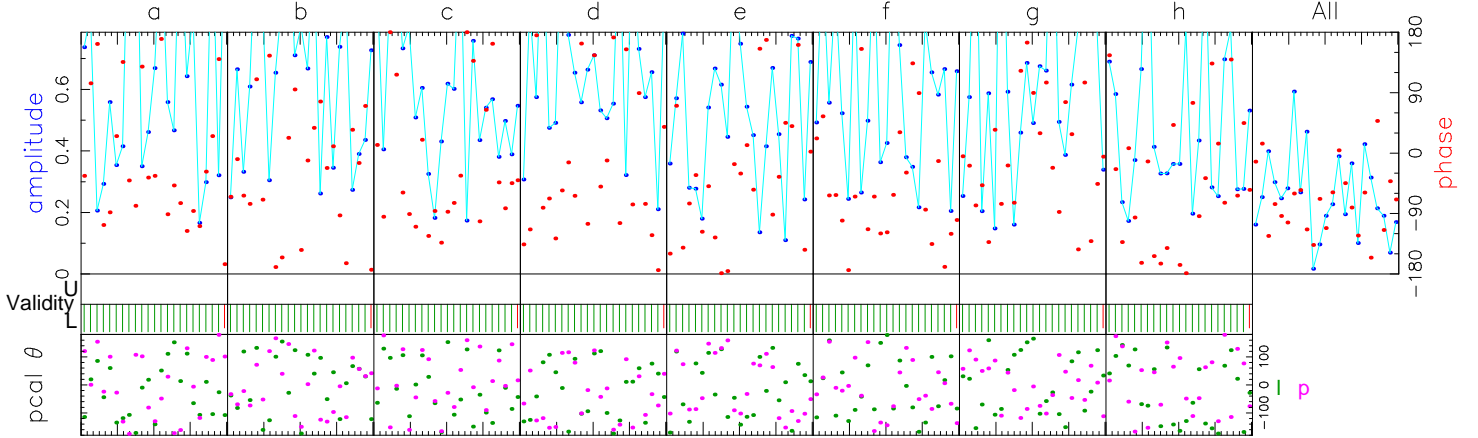
	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480		
l	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	APs used	
p	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
l:p	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
l:p	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
l	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
p	1000	1000	1000	1000	1000	1000	1000	1000		
l	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)	4.12338265365E+01		Apriori delay (usec)		4.12390262579E+01		Resid mbdelay (usec)		-5.19972E-03	+/- 1.5E-04
Sband delay (usec)	4.12341707579E+01		Apriori clock (usec)		-6.6486692E+00		Resid sbdelay (usec)		-4.85550E-03	+/- 1.2E-03
Phase delay (usec)	4.12390297908E+01		Apriori clockrate (us/s)		-3.6714780E-07		Resid phdelay (usec)		3.53294E-06	+/- 2.5E-07
Delay rate (us/s)	-4.67450958665E-02		Apriori rate (us/s)		-4.67449657920E-02		Resid rate (us/s)		-1.30075E-07	+/- 1.8E-09
Total phase (deg)	9.4		Apriori accel (us/s/s)		-4.97744889946E-07		Resid phase (deg)		109.6	+/- 7.8
RMS	56.8	18.7	Search (1024X32)	0.471	Pcal mode: MANUAL, MANUAL		PC period (AP's) 5, 5		sb window (us)	-1.000 1.000
ph/seg (deg)	81.9	32.6	Interp.	0.000	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		SampCntNorm: enabled		mb window (us)	-0.016 0.016
amp/seg (%)	17.1	11.0	Inc. seg. avg.	0.772	Bits/sample: 2x2		Sample rate(MSamp/s): 64		dr window (ns/s)	-0.012 0.012
amp/frq (%)	17.2	19.2	Inc. frq. avg.	0.491	Data rate(Mb/s): 1024		nlags: 128 t_cohere infinite		ion window (TEC)	0.00 0.00

l: az 132.7 el 35.9 pa -36.5 p: az 130.1 el 35.7 pa -39.2 u,v (fr/asec) 268.839 189.438 simultaneous interpolator

Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/lp..zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/lp.W.82.zpwvdj



Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec

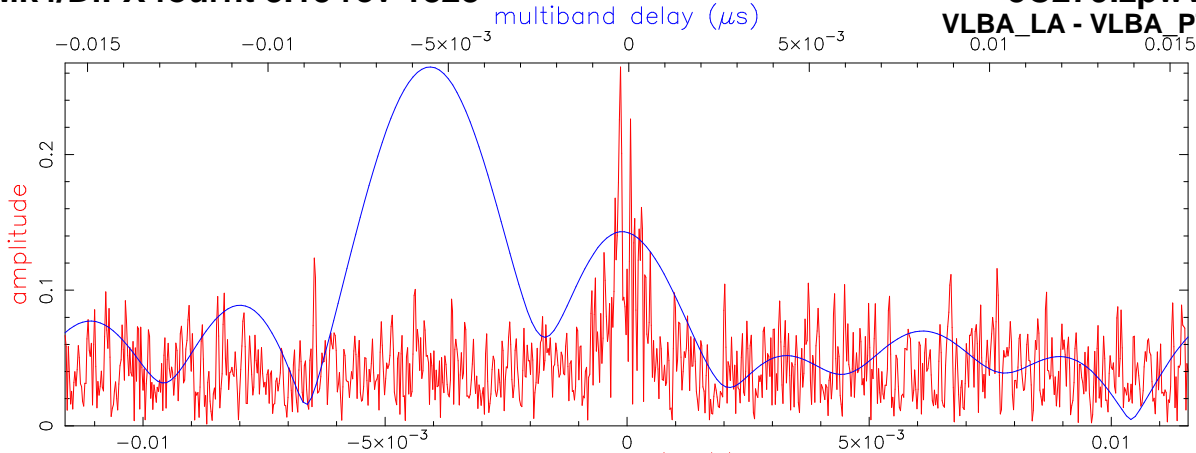


86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
-75.0	-20.2	-79.2	-94.1	-69.5	-71.8	-44.9	-93.4	Phase	-74.1
0.4	0.1	0.3	0.5	0.2	0.4	0.2	0.2	Ampl.	0.2
197.0	29.6	251.0	165.8	57.7	198.3	93.0	33.7	Sbd box	198.2
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	APs used	
l	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
p	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
l:p	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
l:p	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
l	1000	1000	1000	1000	1000	1000	1000	PC amp	
p	1000	1000	1000	1000	1000	1000	1000		
l	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	Chan ids	
p	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W07LR	Tracks	
								Chan ids	
								Tracks	

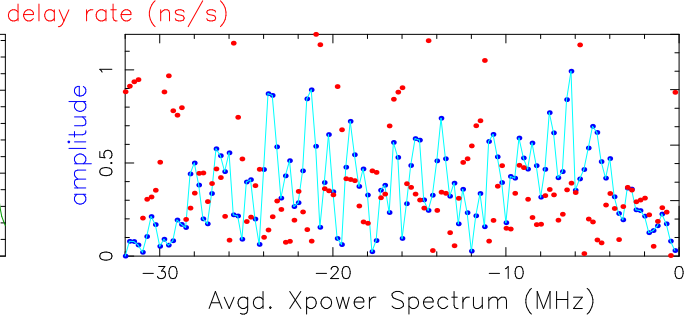
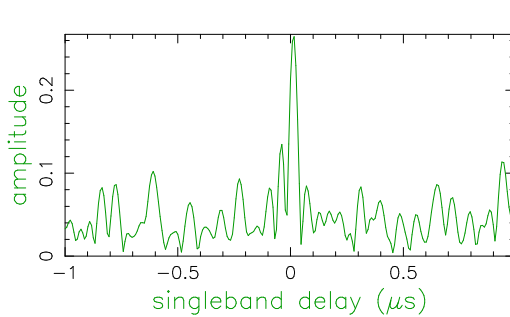
Group delay (usec)(sbd)	4.17860376329E+01	Apriori delay (usec)	4.12390262579E+01	Resid mbdelay (usec)	1.57614E-02	+/-	4.0E-04
Sband delay (usec)	4.17798077579E+01	Apriori clock (usec)	-6.6486692E+00	Resid sbdelay (usec)	5.40781E-01	+/-	3.2E-03
Phase delay (usec)	4.12390238689E+01	Apriori clockrate (us/s)	-3.6714780E-07	Resid phdelay (usec)	-2.38896E-06	+/-	6.8E-07
Delay rate (us/s)	-4.67343933837E-02	Apriori rate (us/s)	-4.67449657920E-02	Resid rate (us/s)	1.05724E-05	+/-	4.9E-09
Total phase (deg)	-2874.2	Apriori accel (us/s/s)	-4.97744889946E-07	Resid phase (deg)	-3134.1	+/-	21.1
RMS	Theor.	Amplitude	0.262 +/- 0.048	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5
ph/seg (deg)	49.8	Search (1024X32)	0.174	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000
amp/seg (%)	84.7	Interp.	0.000	Bits/sample:	2x2	SampCntNorm:	enabled
ph/frq (deg)	27.6	Inc. seg. avg.	0.267	Sample rate(MSamp/s):	64	mb window (us)	-0.016 0.016
amp/frq (%)	46.4	Inc. frq. avg.	0.242	Data rate(Mb/s):	1024	nlags:	128
						t_cohere	infinite
						ion window (TEC)	0.00 0.00

l: az 132.7 el 35.9 pa -36.5 p: az 130.1 el 35.7 pa -39.2 u,v (fr/asec) 268.839 189.438 simultaneous interpolator

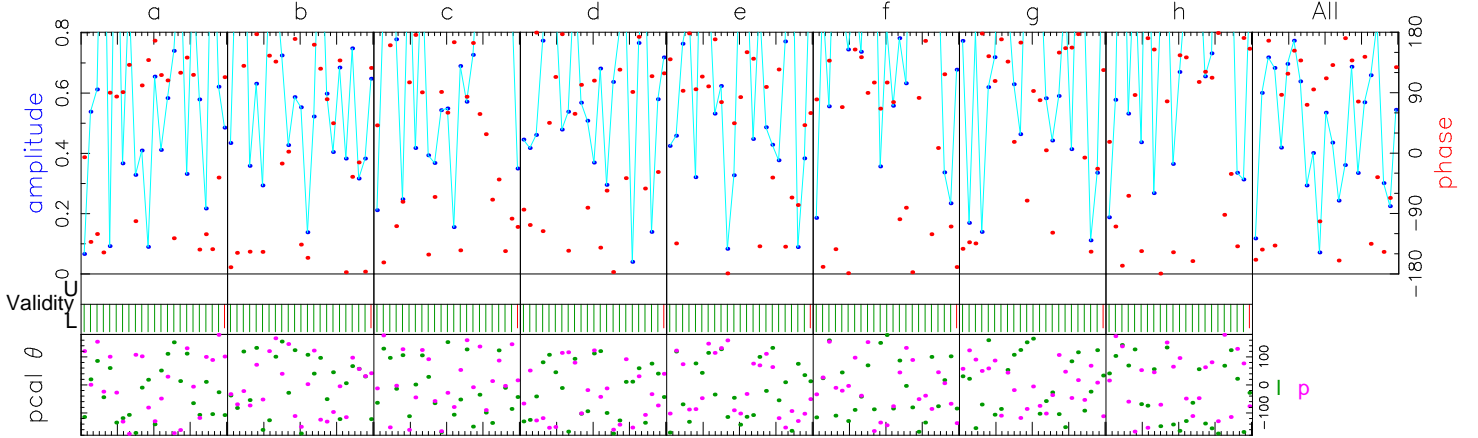
Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/lp..zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/lp.W.83.zpwvdj



Fringe quality 9
 SNR 8.0
 Int time 239.988
 Amp 0.267
 Phase -26.4
 PFD 9.6e-08
 Delays (us)
 SBD 0.012722
 MBD -0.005501
 Fringe rate (Hz)
 -0.011932
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.500
 Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050000.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024520
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"



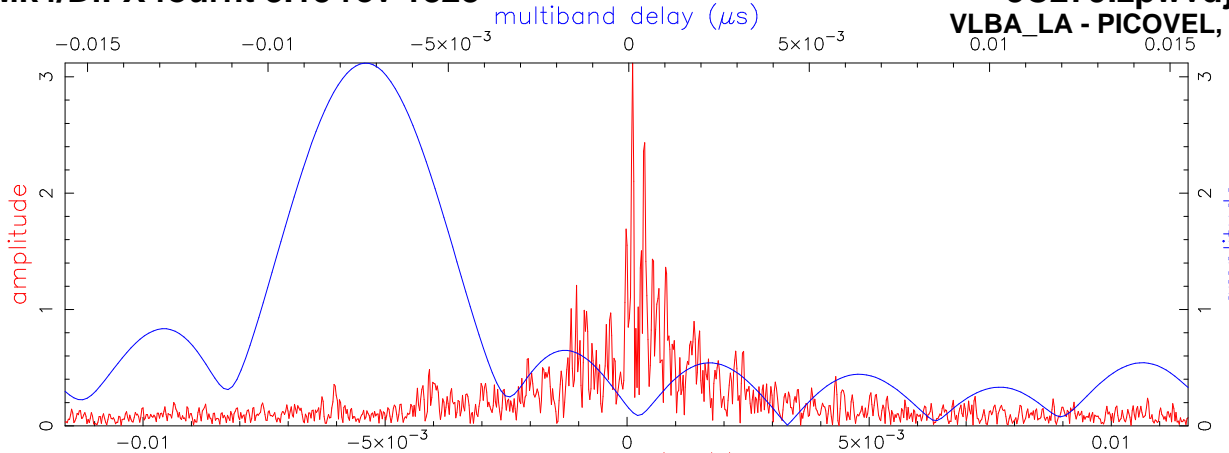
Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec



	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480		
l	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	APs used	
p	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
l:p	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
l:p	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Man'l PC	
l	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
p	1000	1000	1000	1000	1000	1000	1000	1000		
l	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
p	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
Group delay (usec)(sbd)		4.12647750990E+01		Apriori delay (usec)	4.12390262579E+01		Resid mbdelay (usec)	-5.50116E-03		+/- 2.7E-04
Sband delay (usec)		4.12517482579E+01		Apriori clock (usec)	-6.6486692E+00		Resid sbdelay (usec)	1.27220E-02		+/- 2.2E-03
Phase delay (usec)		4.12390312097E+01		Apriori clockrate (us/s)	-3.6714780E-07		Resid phdelay (usec)	4.95181E-06		+/- 4.6E-07
Delay rate (us/s)		-4.67451043092E-02		Apriori rate (us/s)	-4.67449657920E-02		Resid rate (us/s)	-1.38517E-07		+/- 3.3E-09
Total phase (deg)		-126.6		Apriori accel (us/s/s)	-4.97744889946E-07		Resid phase (deg)	-26.4		+/- 14.3

RMS 68.5 Theor. 34.3 Amplitude 0.267 +/- 0.033 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 68.5 34.3 Search (1024X32) 0.259 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 amp/seg (%) 113.3 59.9 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 ph/frq (deg) 16.2 20.2 Inc. seg. avg. 0.411 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 (%) 43.1 35.3 Inc. frq. avg. 0.256 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite ion window (TEC) 0.00 0.00

l: az 132.7 el 35.9 pa -36.5 p: az 130.1 el 35.7 pa -39.2 u,v (fr/asec) 268.839 189.438 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/lp..zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/lp.W.84.zpwvdj



Fringe quality 5

SNR 93.4

Int time 239.675

Amp 3.119

Phase 88.8

PFD 0.0e+00

Delays (us)

SBD -0.038582

MBD -0.007296

Fringe rate (Hz) 0.009749

Ion TEC 0.000

Ref freq (MHz) 86140.0000

AP (sec) 0.500

Exp. c171a

Exper # 16383

Yr:day 2017:090

Start 050000.00

Stop 050400.00

FRT 050205.00

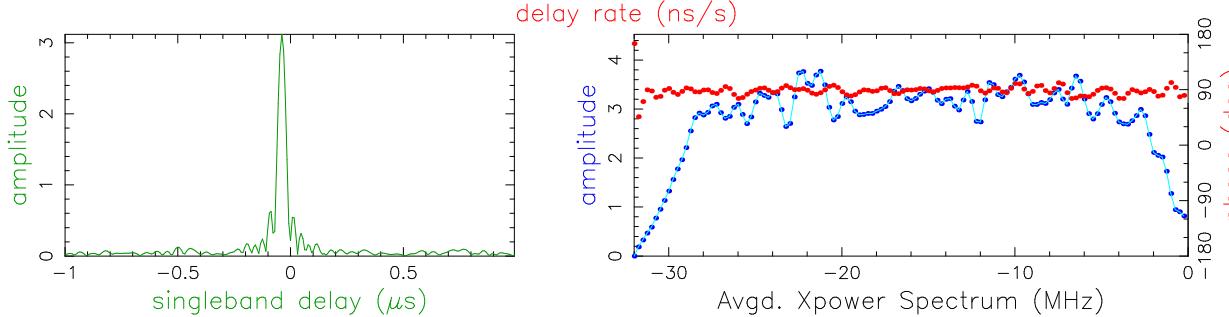
Corr/FF/build

2017:208:015052

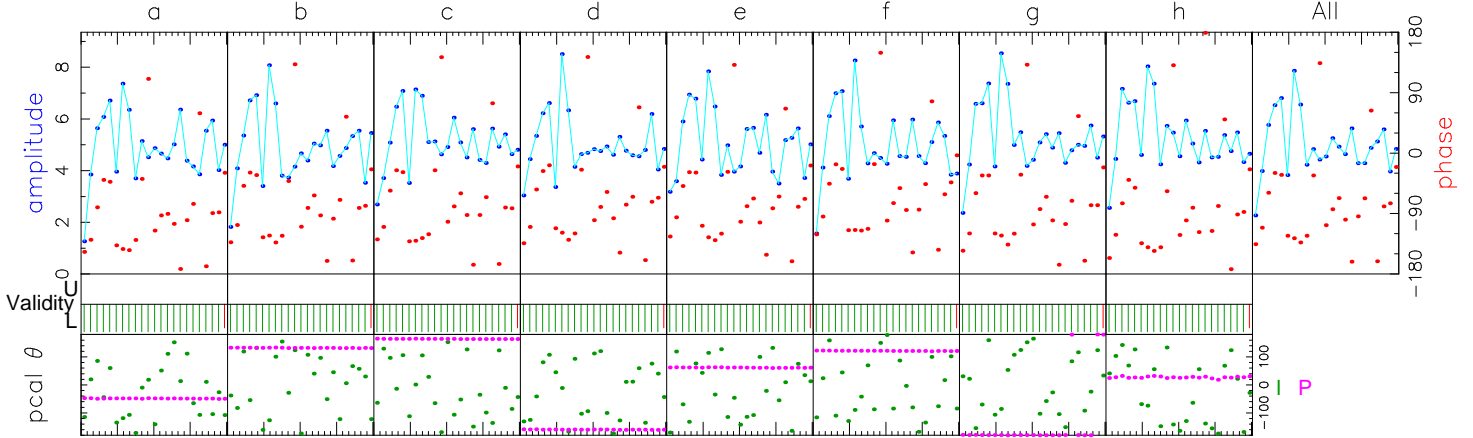
2017:215:024521

2017:188:152524

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



Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 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
	-103.4	-89.6	-89.9	-85.5	-86.0	-77.3	-90.7	-106.7	Phase	-91.2
	3.0	3.1	3.1	3.2	3.2	3.1	3.4	3.3	Ampl.	3.2
	124.2	124.1	124.2	124.1	124.0	124.0	123.9	124.1	Sbd box	124.1
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480	APs used	
I	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
P	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
I:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
I:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
I	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
P	1000	1000	1000	1000	1000	1000	1000	1000		
I	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
P	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	

Group delay (usec)(sbd) 7.19327050301E+03 Apriori delay (usec) 7.19330904899E+03 Resid mbdelay (usec) -7.29598E-03 +/- 2.3E-05

Sband delay (usec) 7.19327046699E+03 Apriori clock (usec) -4.6911712E+00 Resid sbdelay (usec) -3.85820E-02 +/- 1.8E-04

Phase delay (usec) 7.19330904605E+03 Apriori clockrate (us/s) -6.2261307E-07 Resid phdelay (usec) -2.94134E-06 +/- 4.0E-08

Delay rate (us/s) 1.87331482854E+00 Apriori rate (us/s) 1.87331471536E+00 Resid rate (us/s) 1.13176E-07 +/- 2.9E-10

Total phase (deg) 261.7 Apriori accel (us/s/s) -3.80625243916E-05 Resid phase (deg) 88.8 +/- 1.2

RMS Theor. Amplitude 3.119 +/- 0.033 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5

ph/seg (deg) 58.0 2.9 Search (1024X32) 3.038 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000

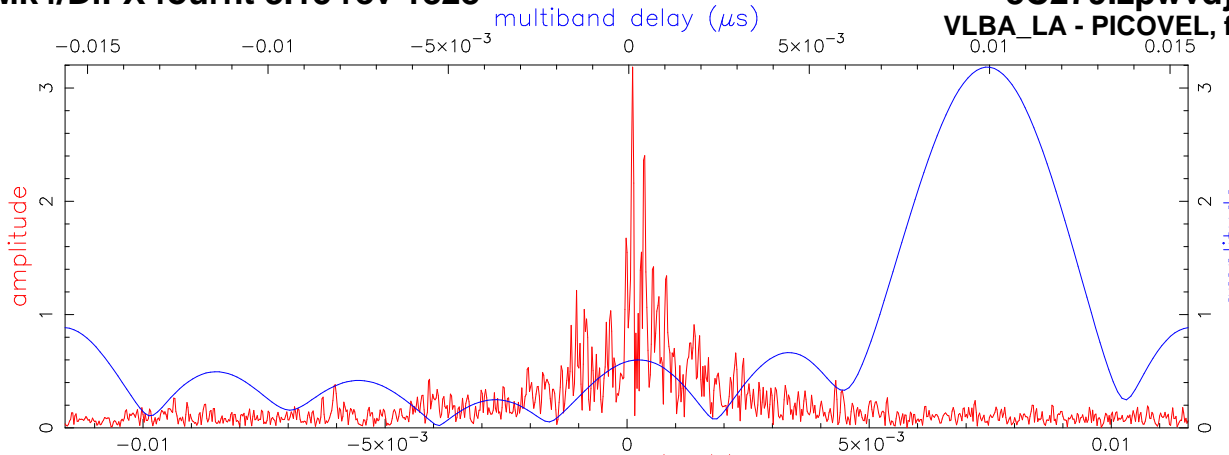
amp/seg (%) 71.0 5.1 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016

ph/frq (deg) 10.3 1.7 Inc. seg. avg. 4.998 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012

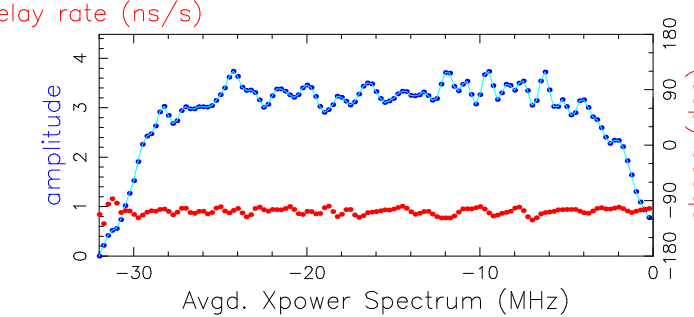
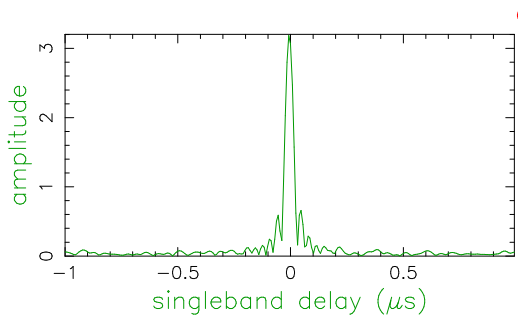
amp/frq (%) 3.6 3.0 Inc. frq. avg. 3.155 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite ion window (TEC) 0.00 0.00

I: az 132.7 el 35.9 pa -36.5 P: az 250.4 el 15.1 pa 49.1 u,v (fr/asec) -10811.859 142.117 simultaneous interpolator

Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/IP..zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/IP.W.85.zpwvdj

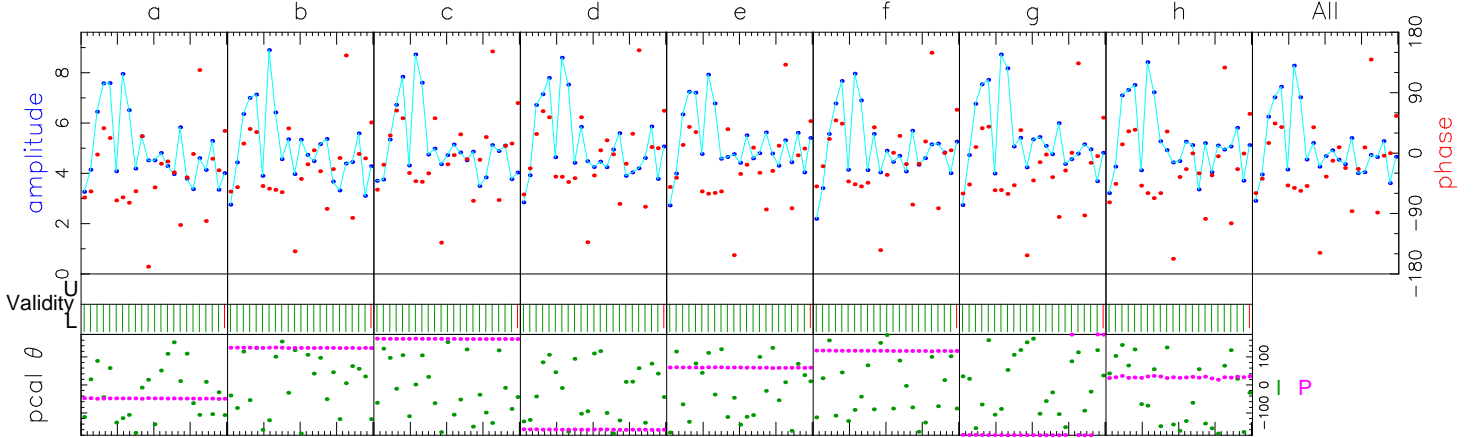


Fringe quality 5
 SNR 95.9
 Int time 239.675
 Amp 3.204
 Phase 162.9
 PFD 0.0e+00
 Delays (us)
 SBD -0.005732
 MBD 0.009943
 Fringe rate (Hz) 0.009737
 Ion TEC 0.000
 Ref freq (MHz) 86140.0000
 AP (sec) 0.500



Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050000.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024522
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"

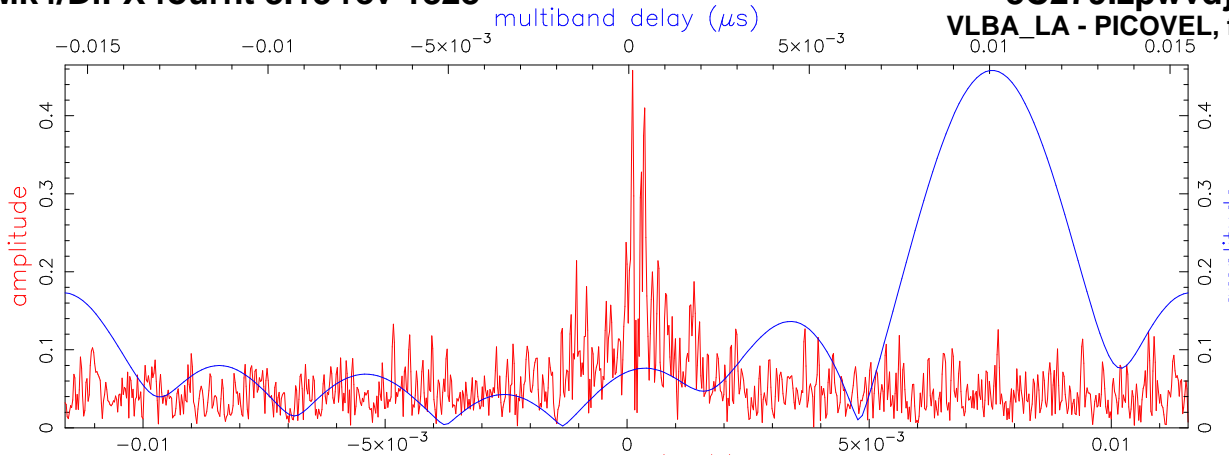
Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec



	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	-30.2	-22.2	-4.0	-3.9	-18.7	-9.0	-23.3	-24.7	Phase	-17.1
	3.0	3.3	3.2	3.2	3.3	3.1	3.4	3.2	Ampl.	3.2
	128.3	128.4	128.4	128.2	128.2	128.4	128.0	128.4	Sbd box	128.3
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480	APs used	
I	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
P	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
I:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
I:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
I	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
P	1000	1000	1000	1000	1000	1000	1000	1000		
I	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)	7.19328774189E+03		Apriori delay (usec)		7.19330904899E+03		Resid mbdelay (usec)		9.94289E-03	+/- 2.3E-05
Sband delay (usec)	7.19330331699E+03		Apriori clock (usec)		-4.6911712E+00		Resid sbdelay (usec)		-5.73200E-03	+/- 1.8E-04
Phase delay (usec)	7.19330904844E+03		Apriori clockrate (us/s)		-6.2261307E-07		Resid phdelay (usec)		-5.49872E-07	+/- 3.9E-08
Delay rate (us/s)	1.87331482840E+00		Apriori rate (us/s)		1.87331471536E+00		Resid rate (us/s)		1.13037E-07	+/- 2.8E-10
Total phase (deg)	335.9		Apriori accel (us/s/s)		-3.80625243916E-05		Resid phase (deg)		162.9	+/- 1.2

RMS Theor. Amplitude 3.204 +/- 0.033 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 57.7 2.9 Search (1024X32) 3.170 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 amp/seg (%) 70.3 5.0 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 ph/frq (deg) 10.9 1.7 Inc. seg. avg. 5.039 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 (%) 3.7 2.9 Inc. frq. avg. 3.227 ion window (TEC) 0.00 0.00

I: az 132.7 el 35.9 pa -36.5 P: az 250.4 el 15.1 pa 49.1 u,v (fr/asec) -10811.859 142.117 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/IP..zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/IP.W.86.zpwvdj



Fringe quality 9

SNR 13.9

Int time 239.675

Amp 0.465

Phase 337.1

PFD 6.8e-36

Delays (us)

SBD -0.020143

MBD 0.010095

Fringe rate (Hz) 0.010057

Ion TEC 0.000

Ref freq (MHz) 86140.0000

AP (sec) 0.500

Exp. c171a

Exper # 16383

Yr:day 2017:090

Start 050000.00

Stop 050400.00

FRT 050205.00

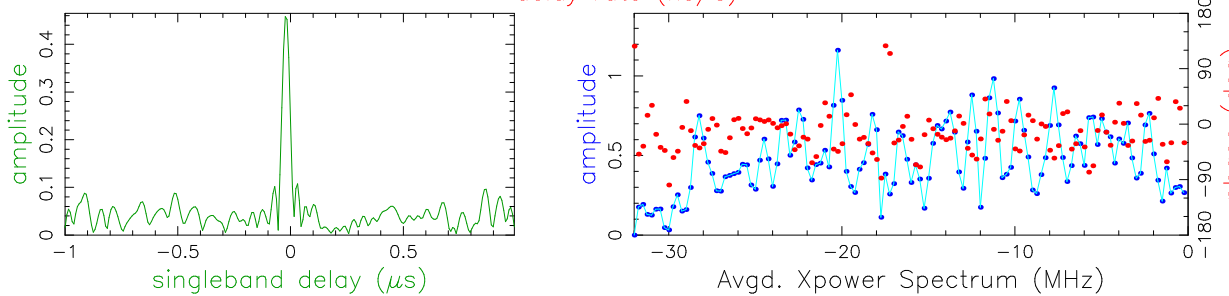
Corr/FF/build

2017:208:015052

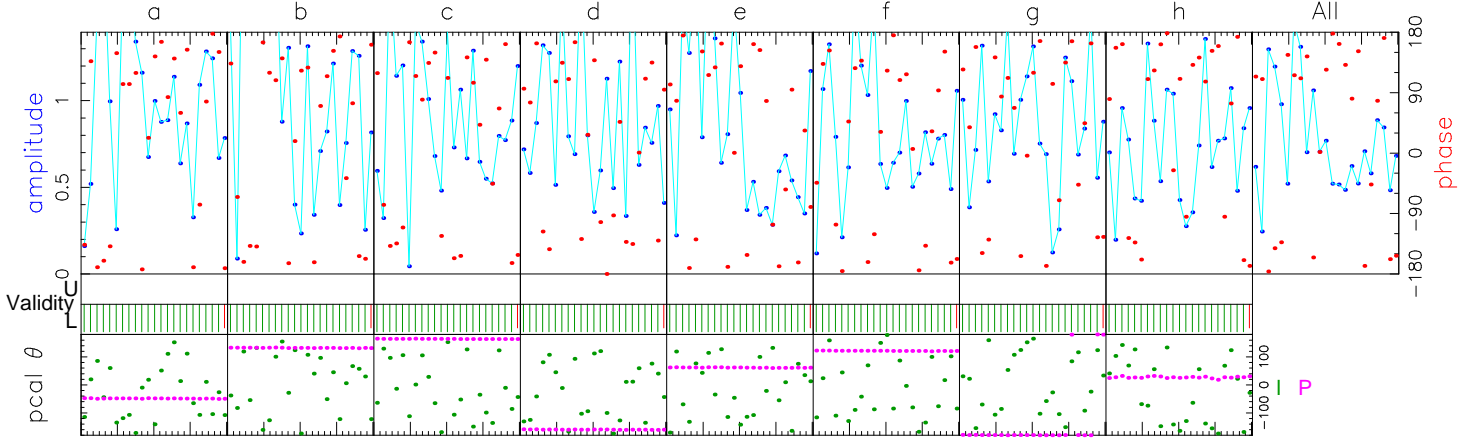
2017:215:024523

2017:188:152524

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



Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 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
148.8	158.1	161.1	177.0	161.5	154.0	149.8	152.5	Phase	157.1
0.6	0.7	0.4	0.4	0.4	0.4	0.4	0.4	Ampl.	0.5
126.4	126.8	125.8	126.7	126.6	126.6	124.7	127.0	Sbd box	126.4
U/L 0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480	APs used	
I -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
P -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
I:P 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
I:P 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
I 1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
P 1000	1000	1000	1000	1000	1000	1000	1000		
I 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)	7.19328789426E+03		Apriori delay (usec)	7.19330904899E+03		Resid mbdelay (usec)	1.00953E-02	+/-	1.6E-04
Sband delay (usec)	7.19328890599E+03		Apriori clock (usec)	-4.6911712E+00		Resid sbdelay (usec)	-2.01430E-02	+/-	1.2E-03
Phase delay (usec)	7.19330905406E+03		Apriori clockrate (us/s)	-6.2261307E-07		Resid phdelay (usec)	5.06548E-06	+/-	2.7E-07
Delay rate (us/s)	1.87331483211E+00		Apriori rate (us/s)	1.87331471536E+00		Resid rate (us/s)	1.16746E-07	+/-	1.9E-09
Total phase (deg)		510.0	Apriori accel (us/s/s)	-3.80625243916E-05		Resid phase (deg)	337.1	+/-	8.2

RMS Theor. Amplitude 0.465 +/- 0.033

ph/seg (deg) 62.1 19.7 Search (1024X32) 0.450

amp/seg (%) 93.3 34.4 Interp. 0.000

ph/frq (deg) 9.9 11.6 Inc. seg. avg. 0.728

amp/frq (%) 22.1 20.3 Inc. frq. avg. 0.453

Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5

Pcal rate: 0.000E+00, 0.000E+00 (us/s)

Bits/sample: 2x2 SampCntNorm: enabled

Sample rate(MSamp/s): 64

Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite

sb window (us) -1.000 1.000

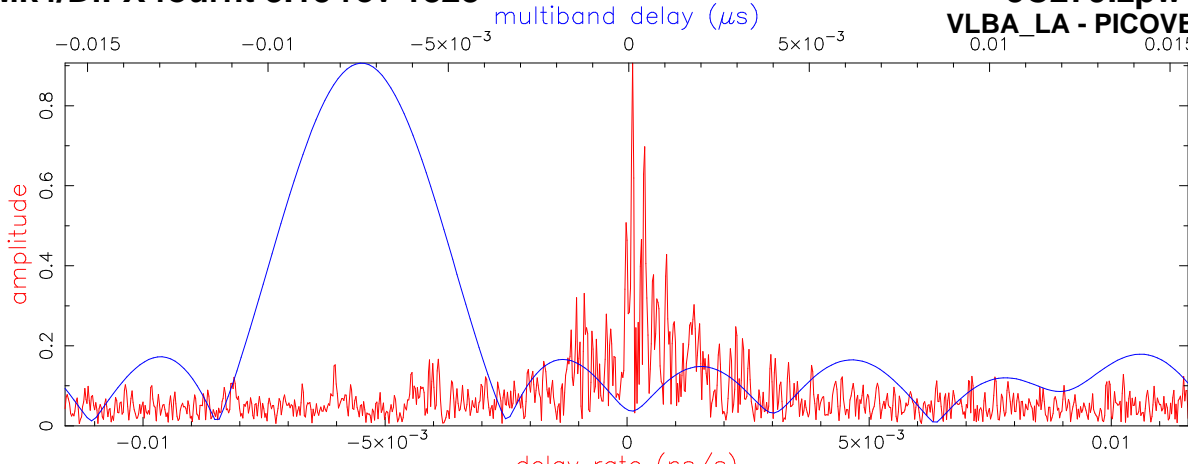
mb window (us) -0.016 0.016

dr window (ns/s) -0.012 0.012

ion window (TEC) 0.00 0.00

I: az 132.7 el 35.9 pa -36.5 P: az 250.4 el 15.1 pa 49.1 u,v (fr/asec) -10811.859 142.117 simultaneous interpolator

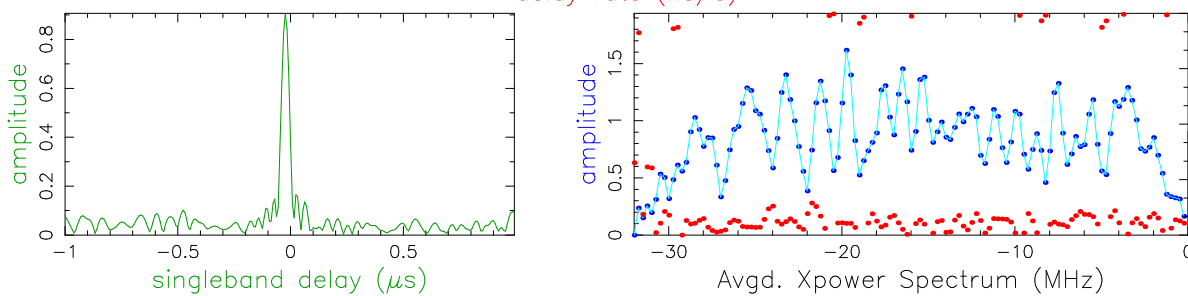
Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/IP..zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/IP.W.87.zpwvdj



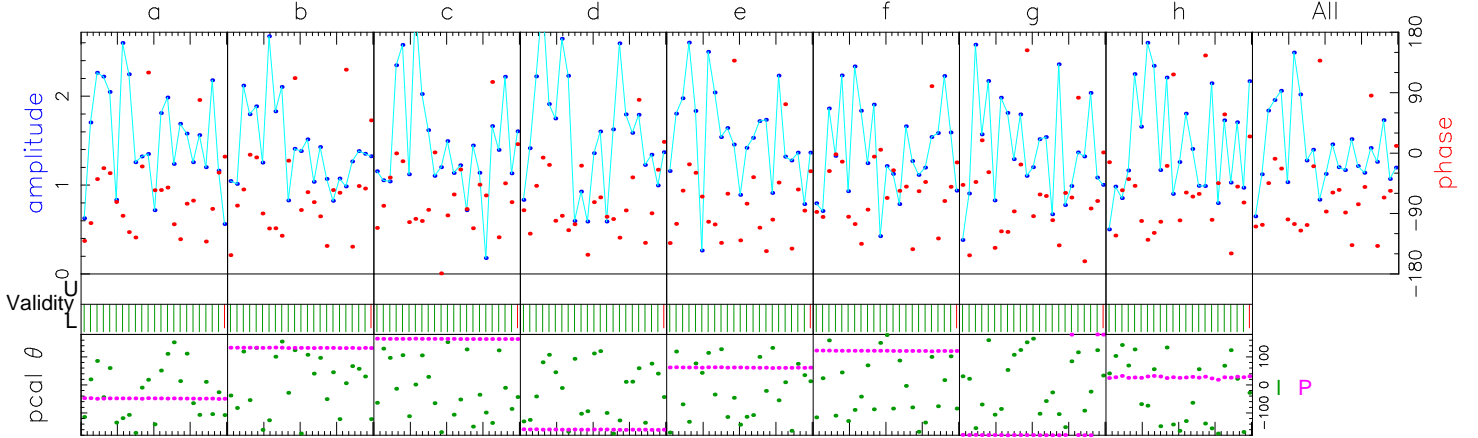
Fringe quality 7

SNR 27.1
Int time 239.675
Amp 0.907
Phase -72.7
PFD 0.0e+00
Delays (us)
SBD -0.022920
MBD -0.007412
Fringe rate (Hz) 0.009673
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.500

Exp. c171a
Exper # 16383
Yr:day 2017:090
Start 050000.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052
2017:215:024524
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"

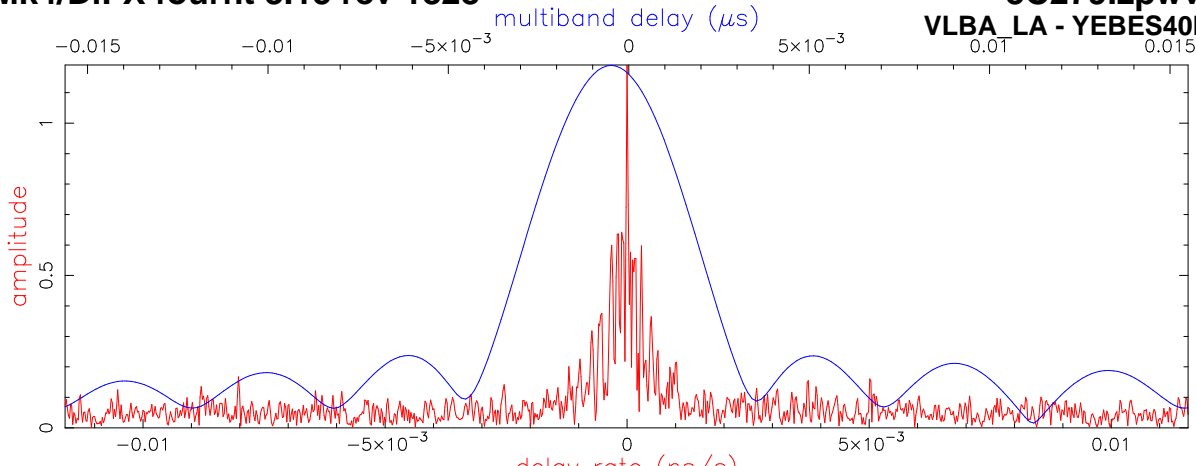


Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec



86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
-72.3	-77.7	-65.8	-73.4	-81.4	-60.1	-77.9	-73.3	Phase	-72.7
1.0	0.8	0.9	1.0	1.0	0.9	0.8	0.8	Ampl.	0.9
126.2	125.4	126.6	126.1	126.1	125.8	125.9	126.2	Sbd box	126.1
U/L 0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480	APs used	
I -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
P -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
I:P 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
I:P 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
I 1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
P 1000	1000	1000	1000	1000	1000	1000	1000		
I W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
P W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
Group delay (usec)(sbd)	7.19330163701E+03	Apriori delay (usec)	7.19330904899E+03	Resid mbdelay (usec)	-7.41198E-03	+/-	8.0E-05		
Sband delay (usec)	7.19328612899E+03	Apriori clock (usec)	-4.6911712E+00	Resid sbdelay (usec)	-2.29200E-02	+/-	6.3E-04		
Phase delay (usec)	7.19330904665E+03	Apriori clockrate (us/s)	-6.2261307E-07	Resid phdelay (usec)	-2.34445E-06	+/-	1.4E-07		
Delay rate (us/s)	1.87331482766E+00	Apriori rate (us/s)	1.87331471536E+00	Resid rate (us/s)	1.12300E-07	+/-	9.8E-10		
Total phase (deg)	100.2	Apriori accel (us/s/s)	-3.80625243916E-05	Resid phase (deg)	-72.7	+/-	4.2		

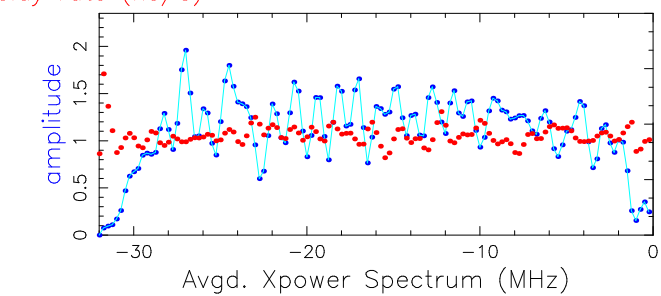
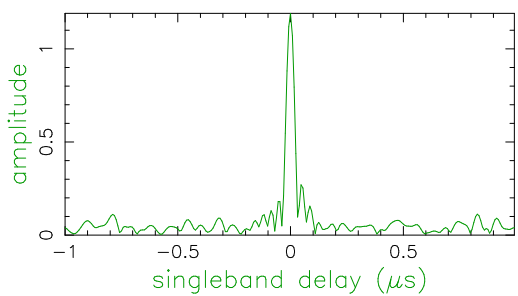
ph/seg (deg) 59.5 10.1 Theor. Amplitude 0.907 +/- 0.033 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 72.1 17.7 Search (1024X32) 0.890 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 7.5 6.0 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 9.0 10.4 Inc. seg. avg. 1.379 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 I: az 132.7 el 35.9 pa -36.5 P: az 250.4 el 15.1 pa 49.1 u,v (fr/asec) -10811.859 142.117 ion window (TEC) 0.00 0.00
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/IP..zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/IP.W.88.zpwvdj simultaneous interpolator



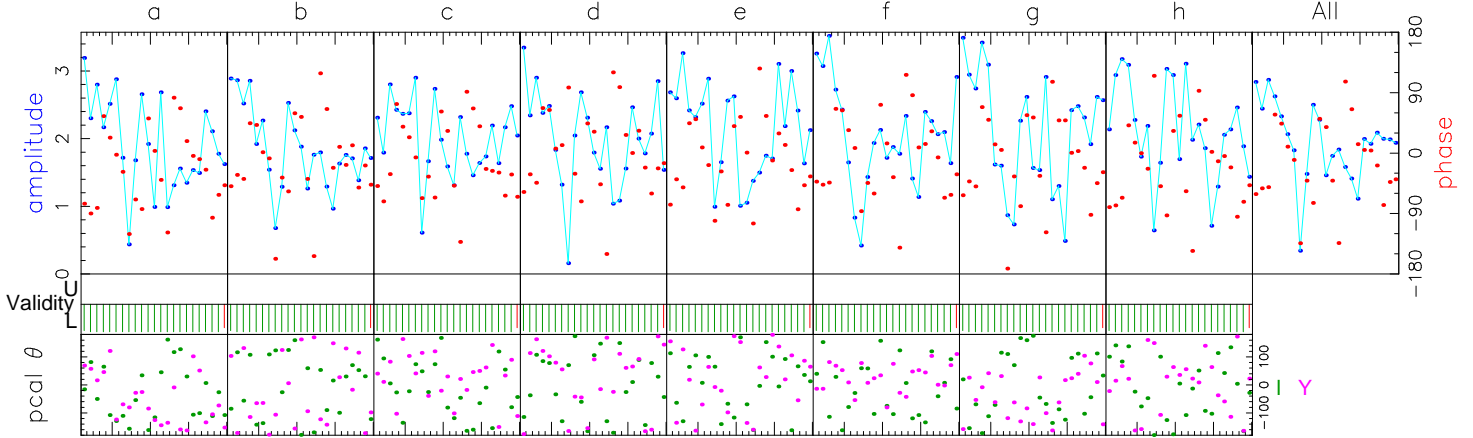
Fringe quality 7

SNR 34.8
Int time 228.084
Amp 1.191
Phase -16.6
PFD 0.0e+00
Delays (us)
SBD -0.001001
MBD -0.000500
Fringe rate (Hz) 0.000971
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
2017:215:024716
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"



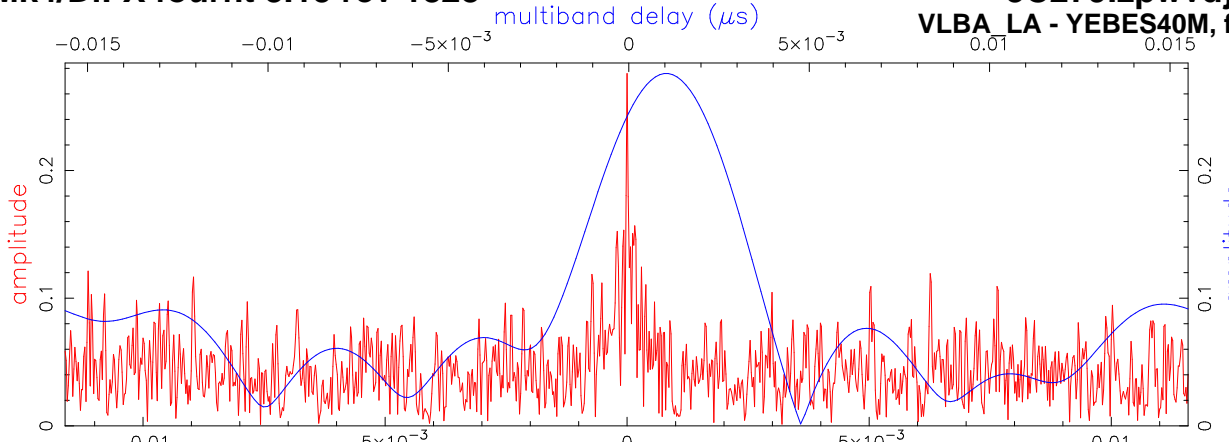
Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec



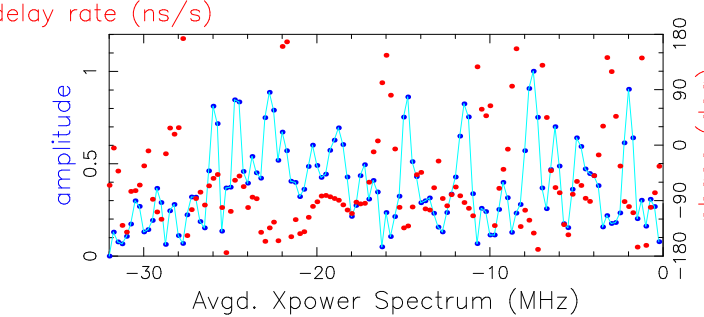
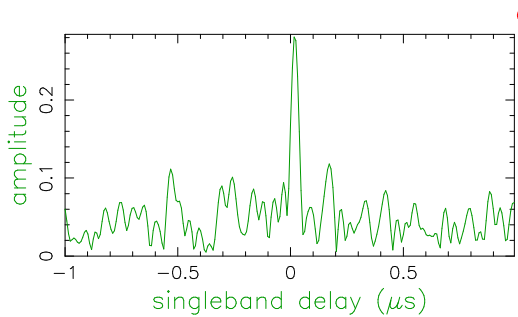
	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	-33.2	-8.2	-15.8	-8.8	-15.4	-7.5	-14.8	-29.8		-16.6
	1.2	1.2	1.2	1.2	1.4	1.1	1.2	1.2	Ampl.	1.2
	129.2	129.2	128.4	128.7	129.0	128.8	128.9	128.7	Sbd box	128.9
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
I	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
I:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
I:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
I	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y	1000	1000	1000	1000	1000	1000	1000	1000		
I	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
Y	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
									Tracks	
Group delay (usec)(sbd)	7.68962529070E+03		Apriori delay (usec)		7.68962579039E+03		Resid mbdelay (usec)		-4.99688E-04	+/- 6.2E-05
Sband delay (usec)	7.68962478889E+03		Apriori clock (usec)		-8.0387878E+00		Resid sbdelay (usec)		-1.00150E-03	+/- 5.0E-04
Phase delay (usec)	7.68962578986E+03		Apriori clockrate (us/s)		-5.6261311E-07		Resid phdelay (usec)		-5.35659E-07	+/- 1.1E-07
Delay rate (us/s)	1.82202109310E+00		Apriori rate (us/s)		1.82202108182E+00		Resid rate (us/s)		1.12767E-08	+/- 8.0E-10
Total phase (deg)	193.7		Apriori accel (us/s/s)		-4.01765689834E-05		Resid phase (deg)		-16.6	+/- 3.3

RMS Theor. Amplitude 1.191 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 60.1 7.9 Search (1024X32) 1.040 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 amp/seg (%) 78.5 13.8 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 ph/frq (deg) 10.6 4.7 Inc. seg. avg. 1.922 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 (%) 6.2 8.1 Inc. frq. avg. 1.200 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite ion window (TEC) 0.00 0.00

I: az 132.7 el 35.9 pa -36.5 Y: az 249.7 el 13.7 pa 45.9 u,v (fr/asec) -10518.241 -253.667 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/IY..zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/IY.W.193.zpwvdj

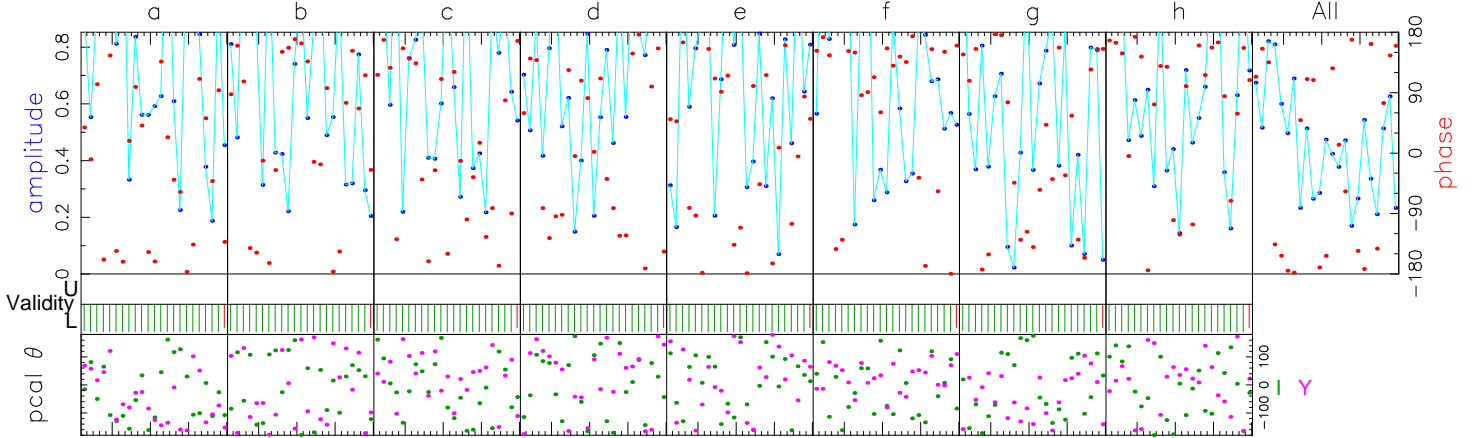


Fringe quality 9
SNR 8.3
Int time 228.084
Amp 0.284
Phase -17.1
PFD 9.1e-09
Delays (us)
SBD 0.018695
MBD 0.001072
Fringe rate (Hz) 0.000891
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.500



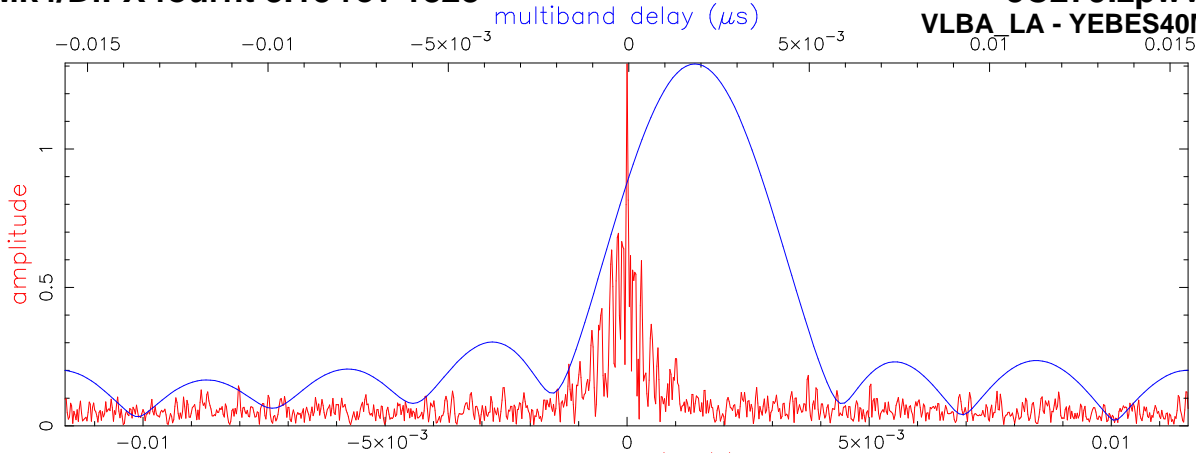
Exp. c171a
Exper # 16383
Yr:day 2017:090
Start 050011.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052
2017:215:024718
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"

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		
I	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	APs used	
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
I:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
I:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
I	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y	1000	1000	1000	1000	1000	1000	1000	1000		
I	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
Y	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)		7.68965811283E+03		Apriori delay (usec)	7.68962579039E+03		Resid mbdelay (usec)	1.07244E-03		+/- 2.6E-04
Sband delay (usec)		7.68964448539E+03		Apriori clock (usec)	-8.0387878E+00		Resid sbdelay (usec)	1.86950E-02		+/- 2.1E-03
Phase delay (usec)		7.68962579564E+03		Apriori clockrate (us/s)	-5.6261311E-07		Resid phdelay (usec)	5.25213E-06		+/- 4.5E-07
Delay rate (us/s)		1.82202109217E+00		Apriori rate (us/s)	1.82202108182E+00		Resid rate (us/s)	1.03436E-08		+/- 3.4E-09
Total phase (deg)		-166.8		Apriori accel (us/s/s)	-4.01765689834E-05		Resid phase (deg)	-17.1		+/- 13.8
	RMS	Theor.	Amplitude	0.284 +/- 0.034	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-1.000	1.000	
ph/seg (deg)	62.6	33.1	Search (1024X32)	0.256	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	mb window (us)	-0.016	0.016		
amp/seg (%)	89.9	57.8	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	dr window (ns/s)	-0.012	0.012	
ph/frq (deg)	16.7	19.5	Inc. seg. avg.	0.394	Sample rate(MSamp/s): 64	Data rate(Mb/s): 1024	ion window (TEC)	0.00	0.00	
amp/frq (%)	37.5	34.1	Inc. frq. avg.	0.269	nlags: 128	t_cohere infinite				

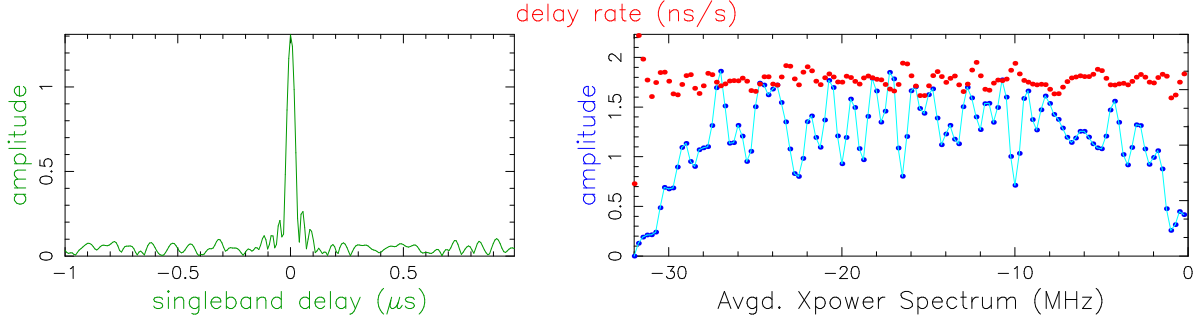
I: az 132.7 el 35.9 pa -36.5 Y: az 249.7 el 13.7 pa 45.9 u,v (fr/asec) -10518.241 -253.667 simultaneous interpolator
Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/IY..zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/IY.W.194.zpwvdj



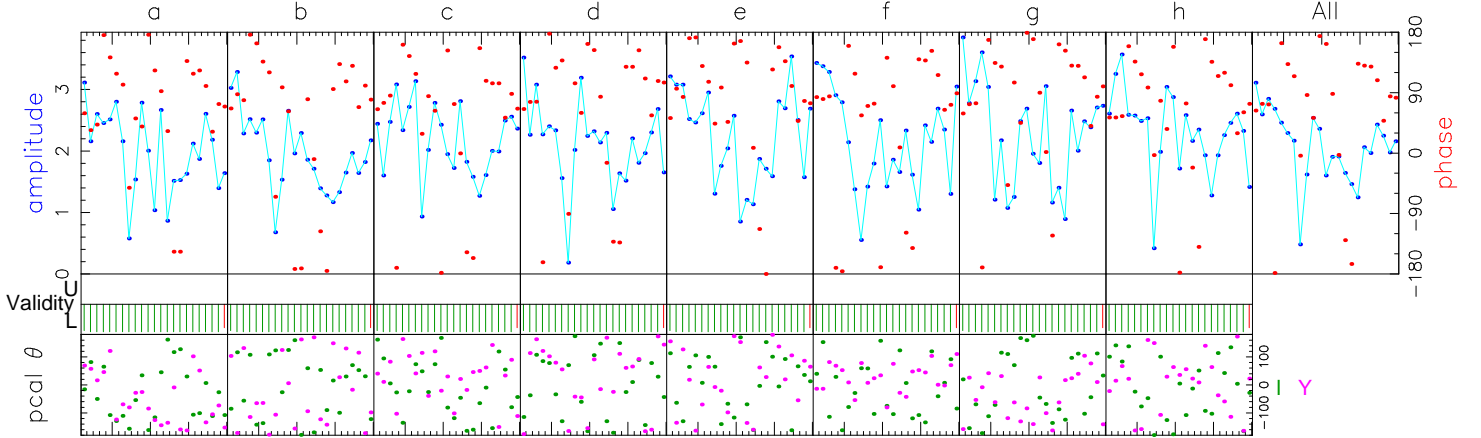
Fringe quality 7

SNR 38.3
Int time 228.084
Amp 1.311
Phase 107.6
PFD 0.0e+00
Delays (us)
SBD 0.001401
MBD 0.001848
Fringe rate (Hz) 0.000939
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.500

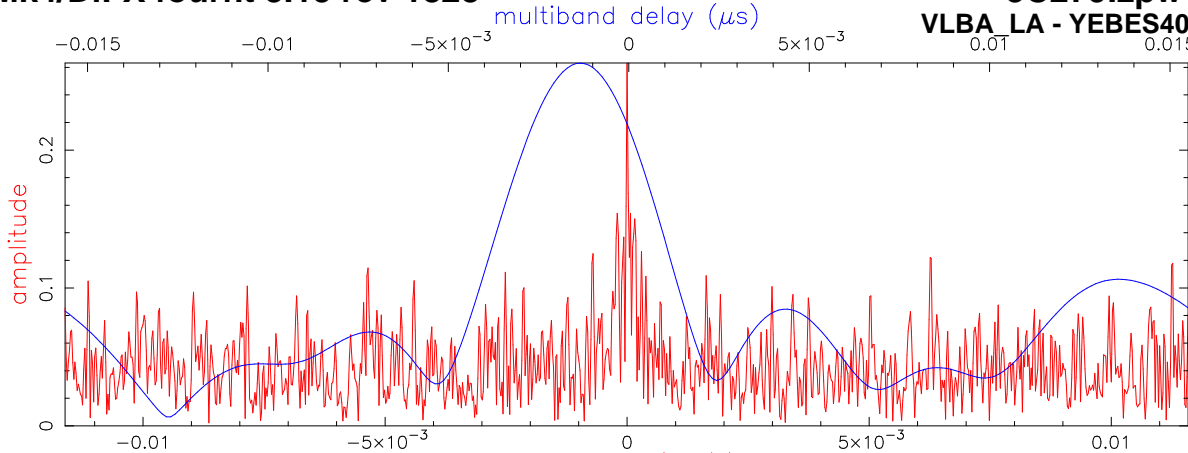
Exp. c171a
Exper # 16383
Yr:day 2017:090
Start 050011.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052
2017:215:024718
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"



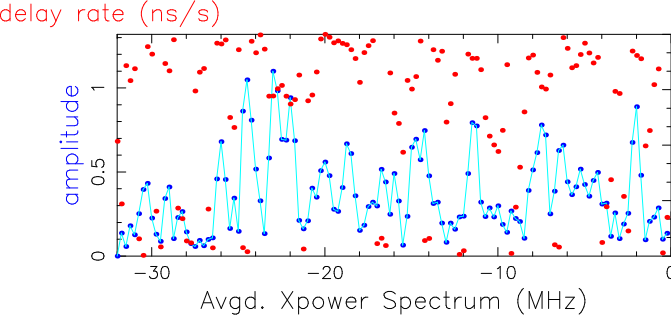
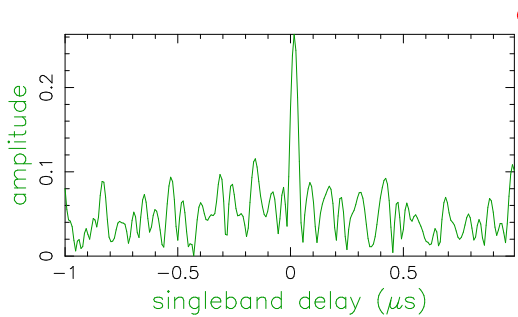
Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec



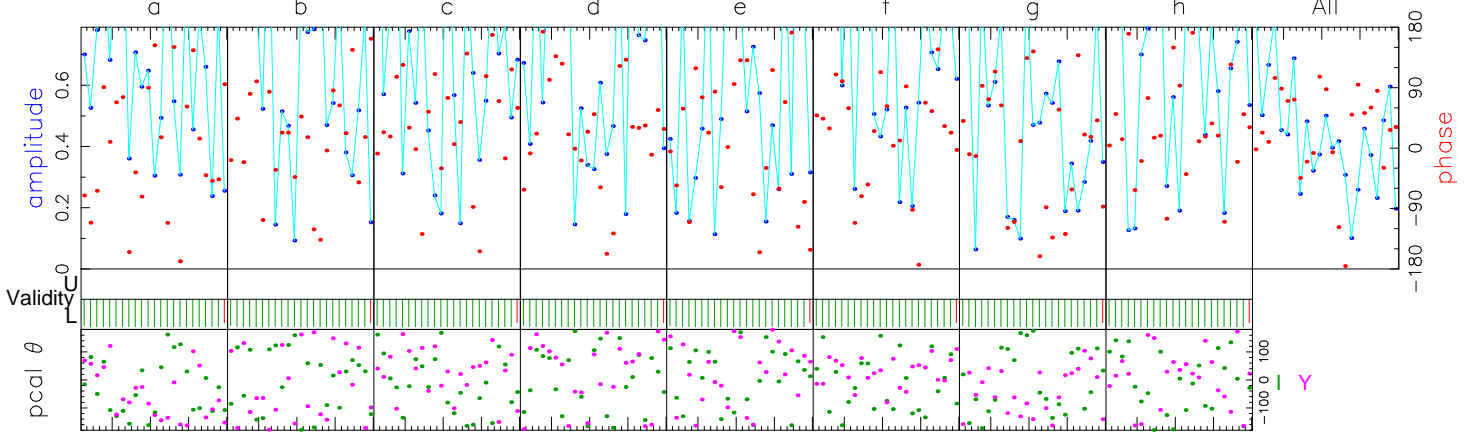
	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All	
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458			
I	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	APs used		
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs		
I:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase		
I:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC		
I	1000	1000	1000	1000	1000	1000	1000	1000	PC amp		
Y	1000	1000	1000	1000	1000	1000	1000	1000			
I	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)	7.68962763877E+03		Apriori delay (usec)		7.68962579039E+03		Resid mbdelay (usec)		1.84837E-03	+/- 5.7E-05	
Sband delay (usec)	7.68962719139E+03		Apriori clock (usec)		-8.0387878E+00		Resid sbdelay (usec)		1.40100E-03	+/- 4.5E-04	
Phase delay (usec)	7.68962579386E+03		Apriori clockrate (us/s)		-5.6261311E-07		Resid phdelay (usec)		3.47100E-06	+/- 9.7E-08	
Delay rate (us/s)	1.82202109272E+00		Apriori rate (us/s)		1.82202108182E+00		Resid rate (us/s)		1.08994E-08	+/- 7.3E-10	
Total phase (deg)	318.0		Apriori accel (us/s/s)		-4.01765689834E-05		Resid phase (deg)		107.6	+/- 3.0	
RMS	Theor.	Amplitude	1.311 +/- 0.034		Pcal mode: MANUAL, MANUAL		PC period (AP's) 5, 5				
ph/seg (deg)	58.6	7.2	Search (1024X32)		1.177		sb window (us)		-1.000	1.000	
amp/seg (%)	72.4	12.5	Interp.		0.000		SampCntNorm: enabled		-0.016	0.016	
ph/frq (deg)	9.5	4.2	Inc. seg. avg.		2.059		Sample rate(MSamp/s): 64		-0.012	0.012	
amp/frq (%)	6.5	7.4	Inc. frq. avg.		1.317		Data rate(Mb/s): 1024		0.00	0.00	
I: az 132.7 el 35.9 pa -36.5		Y: az 249.7 el 13.7 pa 45.9		u,v (fr/asec) -10518.241 -253.667		nlags: 128 t_cohere infinite		ion window (TEC)		0.00	0.00



Fringe quality 9
SNR 7.7
Int time 228.084
Amp 0.263
Phase -138.1
PFD 1.3e-06
Delays (us)
SBD 0.016175
MBD -0.001347
Fringe rate (Hz) 0.000866
Ion TEC 0.000
Ref freq (MHz) 86140.000
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
2017:215:024719
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		
11.7	34.9	57.9	51.0	42.9	45.8	63.9	25.3	Phase	41.9		
0.1	0.3	0.3	0.4	0.1	0.4	0.2	0.4	Ampl.	0.3		
230.7	129.5	130.2	130.3	116.1	131.4	174.3	132.3	Sbd box	131.1		
U/L 0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used			
I -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs			
Y -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs			
I:Y 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase			
I:Y 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC			
I 1000	1000	1000	1000	1000	1000	1000	1000	PC amp			
Y 1000	1000	1000	1000	1000	1000	1000	1000				
I W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids			
Y W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks			
Group delay (usec)(sbd)		7.68965569358E+03		Apriori delay (usec)		7.68962579039E+03		Resid mbdelay (usec)		-1.34681E-03 +/- 2.8E-04	
Sband delay (usec)		7.68964196539E+03		Apriori clock (usec)		-8.0387878E+00		Resid sbdelay (usec)		1.61750E-02 +/- 2.2E-03	
Phase delay (usec)		7.68962579174E+03		Apriori clockrate (us/s)		-5.6261311E-07		Resid phdelay (usec)		1.35018E-06 +/- 4.8E-07	
Delay rate (us/s)		1.82202109187E+00		Apriori rate (us/s)		1.82202108182E+00		Resid rate (us/s)		1.00505E-08 +/- 3.6E-09	
Total phase (deg)		72.2		Apriori accel (us/s/s)		-4.01765689834E-05		Resid phase (deg)		-138.1 +/- 14.9	
ph/seg (deg)	RMS 62.7	Theor. 35.8	Amplitude 0.263 +/- 0.034	Pcal mode: MANUAL, MANUAL		PC period (AP's) 5, 5		sb window (us)	-1.000	1.000	
amp/seg (%)	97.1	62.4	Search (1024X32) 0.237	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		SampCntNorm: enabled		mb window (us)	-0.016	0.016	
ph/frq (deg)	18.6	21.1	Interp. 0.000	Bits/sample: 2x2		Data rate (Mb/s): 1024		dr window (ns/s)	-0.012	0.012	
amp/frq (%)	43.4	36.8	Inc. seg. avg. 0.370	Sample rate (MSamp/s): 64		nlags: 128 t_cohere infinite		ion window (TEC)	0.00	0.00	
I: az 132.7 el 35.9 pa -36.5		Y: az 249.7 el 13.7 pa 45.9		u,v (fr/asec) -10518.241 -253.667				simultaneous interpolator			

Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/IY..zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/IY.W.196.zpwvdj