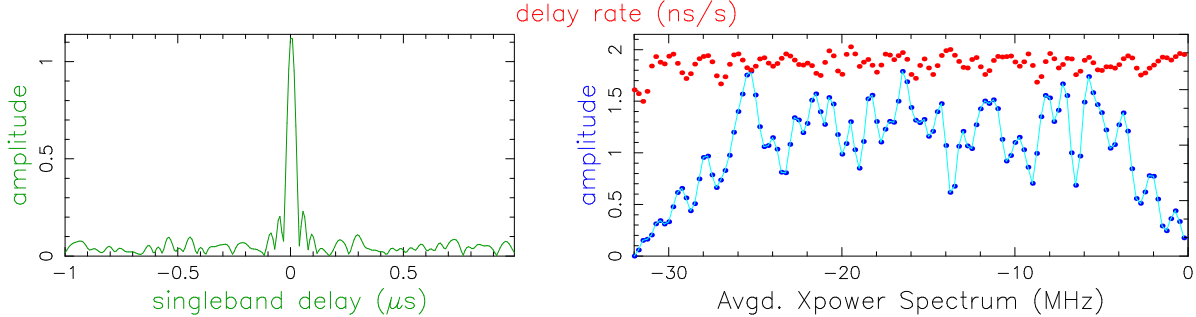


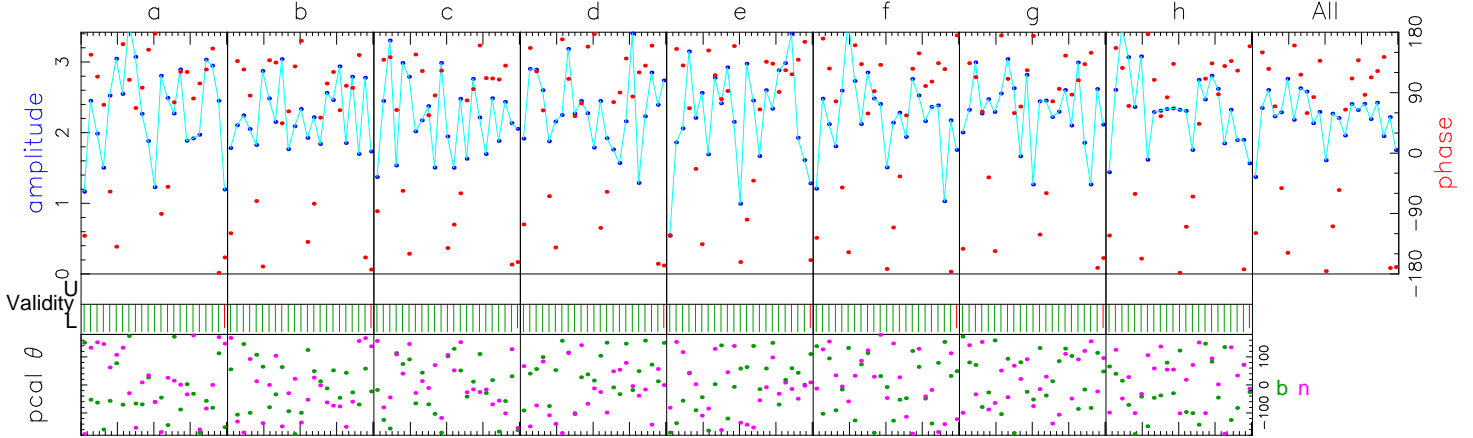
Fringe quality 7

SNR 34.2
Int time 239.987
Amp 1.141
Phase 133.9
PFD 0.0e+00
Delays (us)
SBD 0.003792
MBD 0.003782
Fringe rate (Hz)
-0.004962
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
2017:215:024403
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



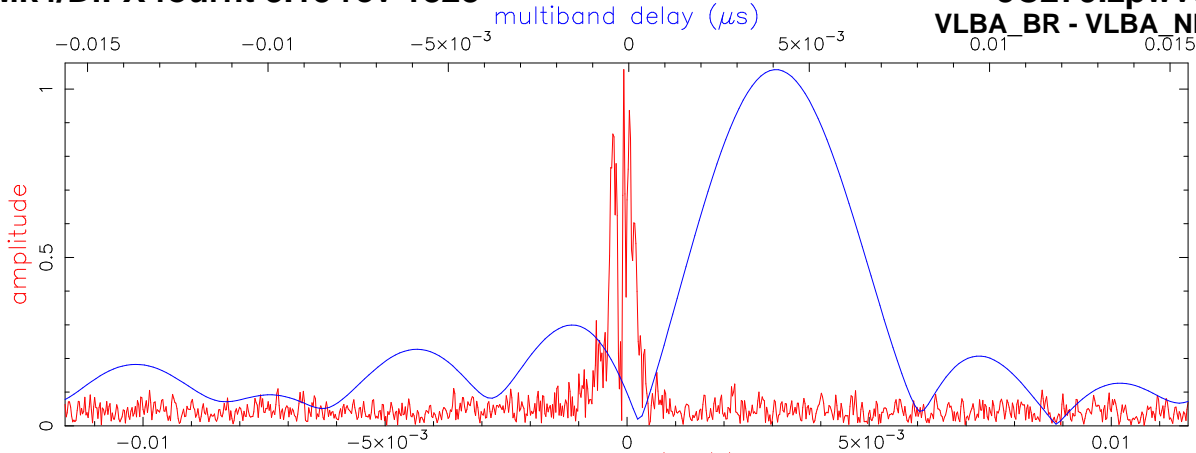
	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	134.4	128.8	138.9	140.4	126.7	139.5	131.2	132.1	Phase	133.9
	1.1	1.1	1.0	1.1	1.2	1.1	1.1	1.2	Ampl.	1.1
	129.7	129.3	129.9	129.3	129.2	129.6	129.5	129.4	Sbd box	129.5
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480	APs used	
b	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
b:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
b:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
b	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
n	1000	1000	1000	1000	1000	1000	1000	1000		
b	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
n	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	

Group delay (usec)(sbd)	-5.72341741507E+03	Apriori delay (usec)	-5.72342119671E+03	Resid mbdelay (usec)	3.78164E-03	+/-	6.4E-05
Sband delay (usec)	-5.72341740521E+03	Apriori clock (usec)	-9.8375740E+00	Resid sbdelay (usec)	3.79150E-03	+/-	5.0E-04
Phase delay (usec)	-5.72342119239E+03	Apriori clockrate (us/s)	-2.8431971E-07	Resid phdelay (usec)	4.31809E-06	+/-	1.1E-07
Delay rate (us/s)	3.63092167406E-01	Apriori rate (us/s)	3.63092225007E-01	Resid rate (us/s)	-5.76010E-08	+/-	7.8E-10
Total phase (deg)	-184.5	Apriori accel (us/s/s)	2.94724395014E-05	Resid phase (deg)	133.9	+/-	3.4

ph/seg (deg)	72.7	Theor.	8.0	Amplitude	1.141 +/- 0.033	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5
amp/seg (%)	99.2	Search (1024X32)	1.028	Apriori clock (usec)	1.028	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000
ph/frq (deg)	5.6	Interp.	0.000	Apriori clockrate (us/s)	0.000	Bits/sample:	2x2	SampCntNorm:	enabled
amp/frq (%)	4.2	Inc. seg. avg.	2.204	Apriori rate (us/s)	3.63092225007E-01	Sample rate (MSamp/s):	64	mb window (us)	-0.016 0.016
		Inc. frq. avg.	1.121	Apriori accel (us/s/s)	2.94724395014E-05	Data rate (Mb/s):	1024	dr window (ns/s)	-0.012 0.012

b: az 125.4 el 20.4 pa -33.2 n: az 151.6 el 38.3 pa -20.6 u,v (fr/asec) -2069.021 453.386 simultaneous interpolator

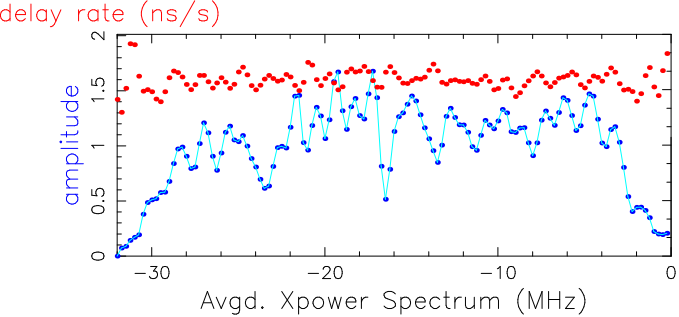
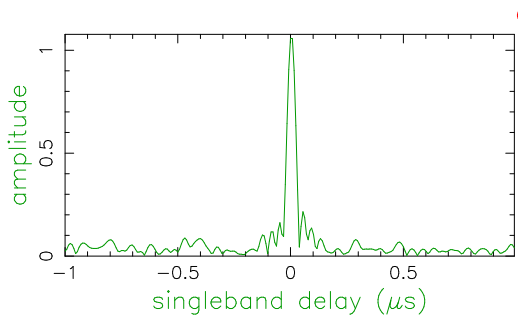
Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/bn.zpvdj Output file: /Exps/c171a/gmva/1234/No0584/bn.W.13.zpvdj



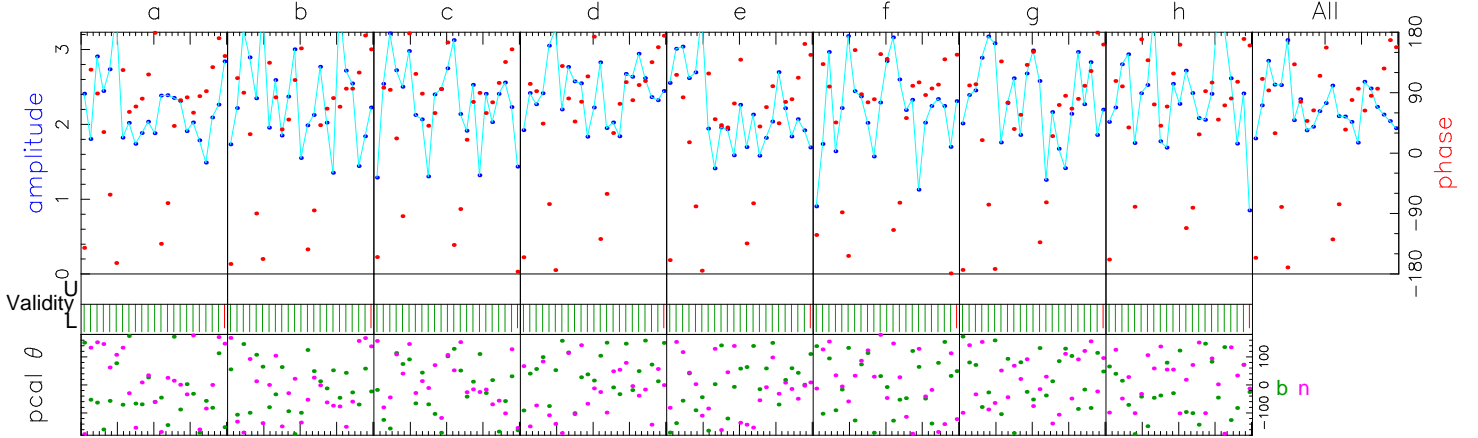
Fringe quality 7

SNR 32.3
Int time 239.987
Amp 1.077
Phase 108.1
PFD 0.0e+00
Delays (us)
SBD 0.003865
MBD 0.004100
Fringe rate (Hz)
-0.005050
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
2017:215:024404
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"



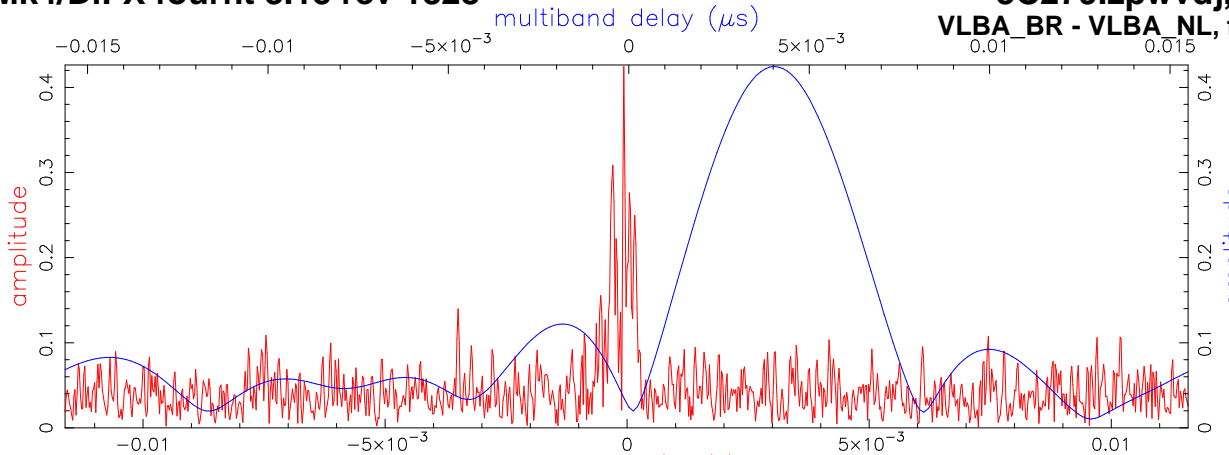
Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec



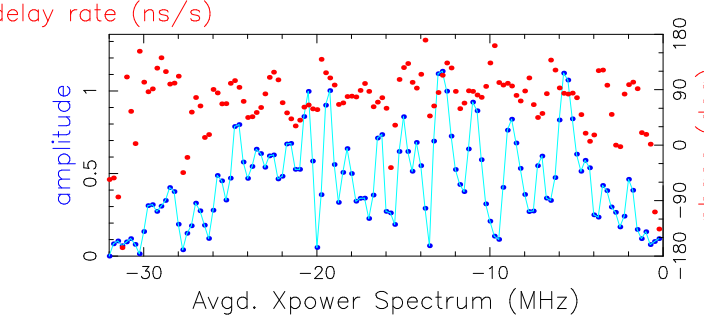
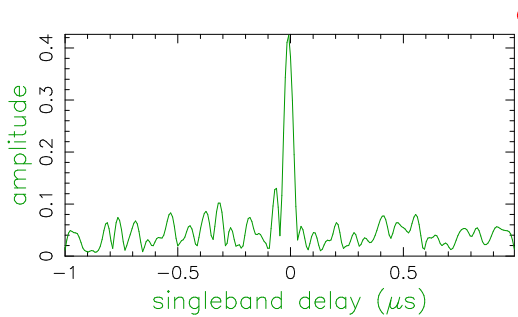
	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480	108.1	108.1
b	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	1.1	1.1
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	129.5	129.5
b:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	APs used	
b:n	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	
n	1000	1000	1000	1000	1000	1000	1000	1000	ManI PC	
b	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	PC amp	
n	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
									Tracks	
									Tracks	
Group delay (usec)(sbd)	-5.72341709626E+03		Apriori delay (usec)		-5.72342119671E+03		Resid mbdelay (usec)		4.10045E-03	+/- 6.7E-05
Sband delay (usec)	-5.72341733121E+03		Apriori clock (usec)		-9.8375740E+00		Resid sbdelay (usec)		3.86550E-03	+/- 5.3E-04
Phase delay (usec)	-5.72342119322E+03		Apriori clockrate (us/s)		-2.8431971E-07		Resid phdelay (usec)		3.48631E-06	+/- 1.1E-07
Delay rate (us/s)	3.63092166381E-01		Apriori rate (us/s)		3.63092225007E-01		Resid rate (us/s)		-5.86255E-08	+/- 8.3E-10
Total phase (deg)			Apriori accel (us/s/s)		2.94724395014E-05		Resid phase (deg)		108.1	+/- 3.6

ph/seg (deg) 73.2 8.5 Search (1024X32) 0.983 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 113.1 14.9 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 10.4 5.0 Inc. seg. avg. 2.228 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 8.7 8.8 Inc. frq. avg. 1.067 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 Total phase (deg) -210.2 ion window (TEC) 0.00 0.00

b: az 125.4 el 20.4 pa -33.2 n: az 151.6 el 38.3 pa -20.6 u,v (fr/asec) -2069.021 453.386 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/bn.zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/bn.W.14.zpwvdj

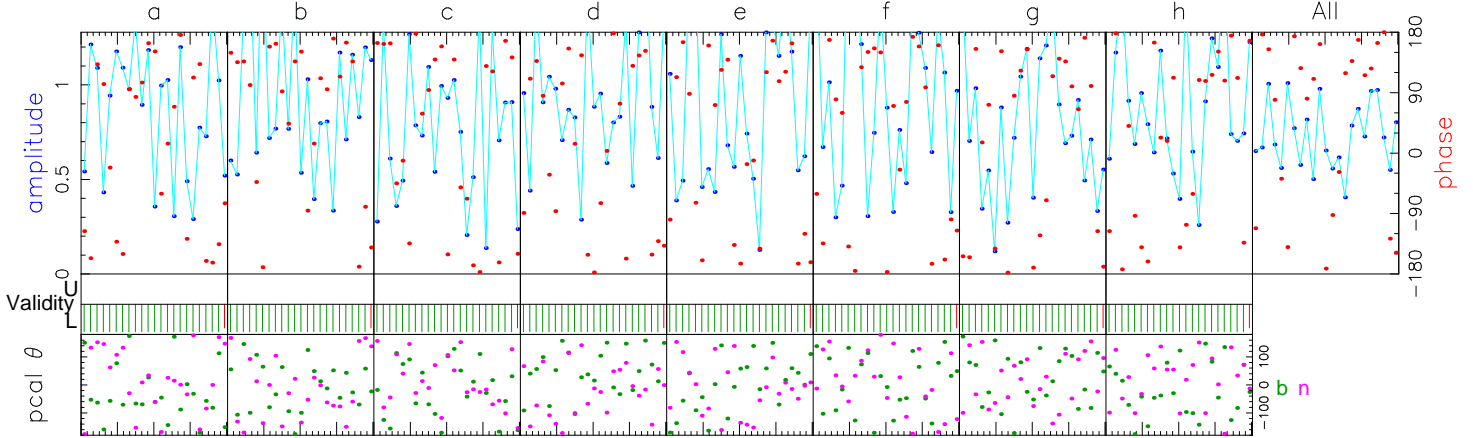


Fringe quality 9
SNR 12.8
Int time 239.987
Amp 0.426
Phase 163.8
PFD 3.2e-29
Delays (us)
SBD -0.009871
MBD 0.004011
Fringe rate (Hz)
-0.005320
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.500



Exp. c171a
Exper # 16383
Yr:day 2017:090
Start 050000.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052
2017:215:024405
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

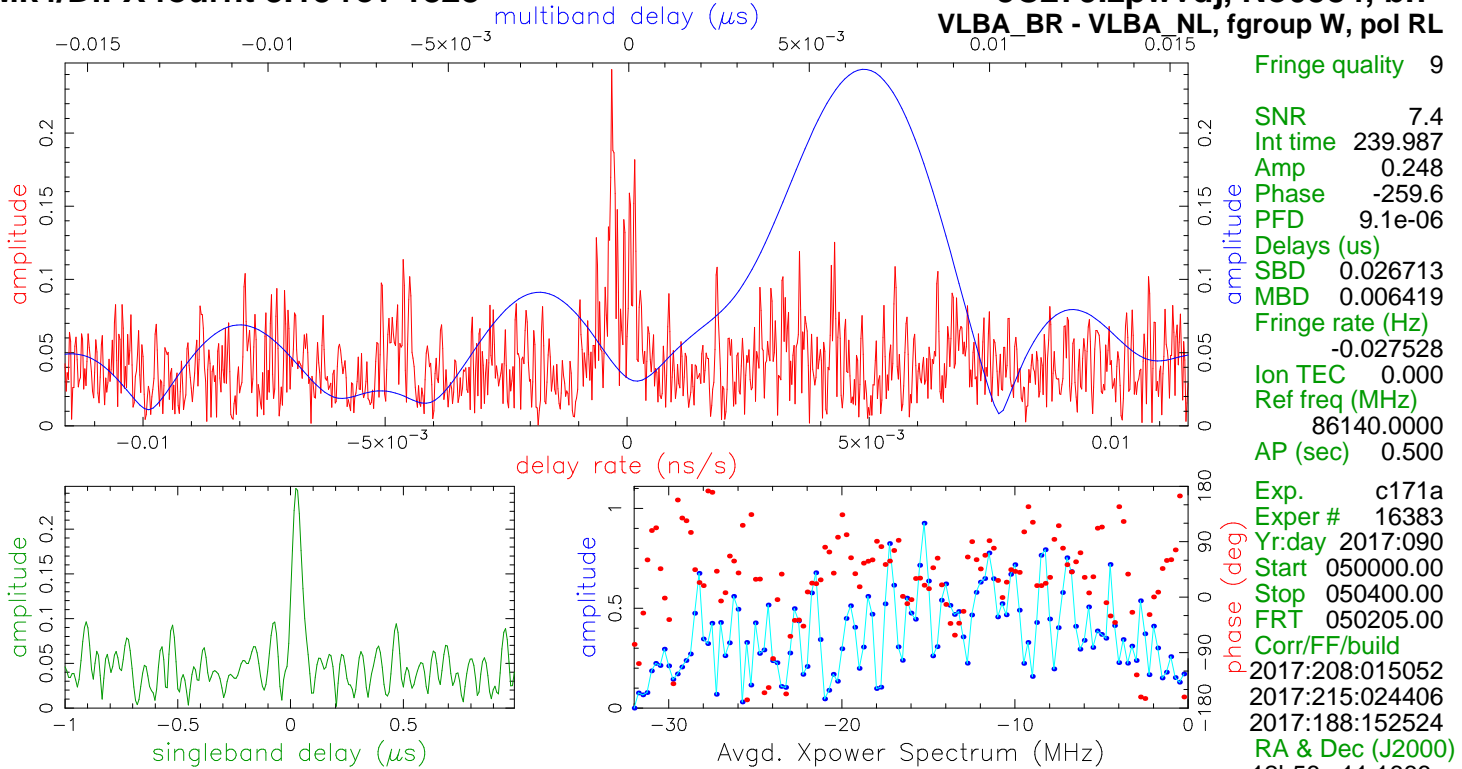


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	176.0	143.4	164.9	178.9	158.9	177.1	151.0	164.5	Phase	163.8
	0.3	0.5	0.5	0.4	0.4	0.5	0.4	0.4	Ampl.	0.4
	127.0	128.0	128.4	126.5	127.1	128.4	128.3	127.8	Sbd box	127.7
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480	APs used	
b	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
b:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
b:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
b	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
n	1000	1000	1000	1000	1000	1000	1000	1000		
b	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
n	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	
									Chan ids	
									Tracks	

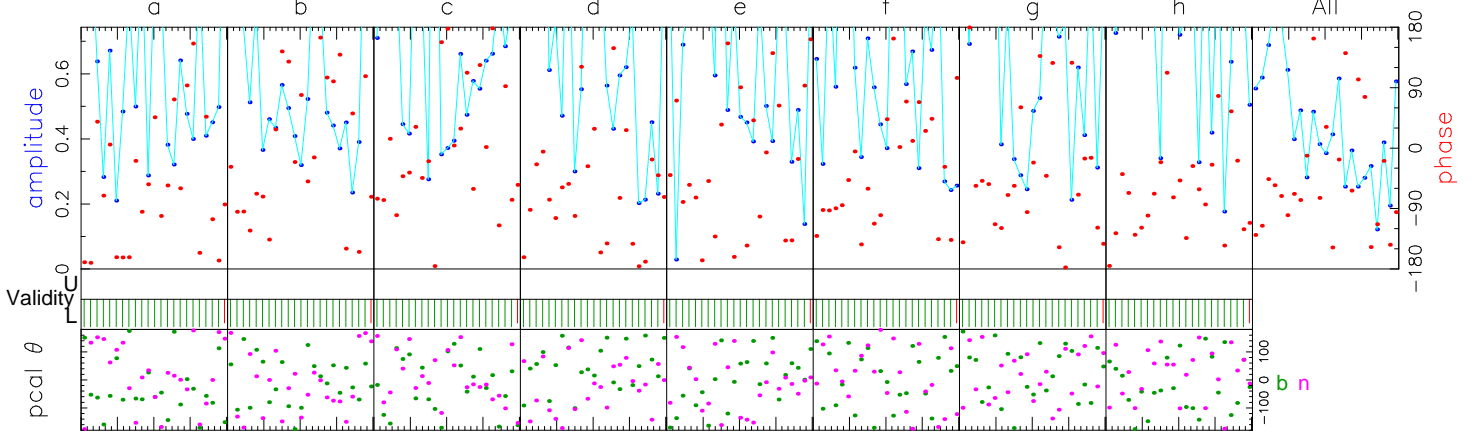
Group delay (usec)(sbd) -5.72341718532E+03 Apriori delay (usec) -5.72342119671E+03 Resid mbdelay (usec) 4.01139E-03 +/- 1.7E-04
 Sband delay (usec) -5.72343106721E+03 Apriori clock (usec) -9.8375740E+00 Resid sbdelay (usec) -9.87050E-03 +/- 1.3E-03
 Phase delay (usec) -5.72342119143E+03 Apriori clockrate (us/s) -2.8431971E-07 Resid phdelay (usec) 5.28145E-06 +/- 2.9E-07
 Delay rate (us/s) 3.63092163245E-01 Apriori rate (us/s) 3.63092225007E-01 Resid rate (us/s) -6.17614E-08 +/- 2.1E-09
 Total phase (deg) -154.6 Apriori accel (us/s/s) 2.94724395014E-05 Resid phase (deg) 163.8 +/- 9.0

RMS Theor. Amplitude 0.426 +/- 0.033 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 68.4 21.5 Search (1024X32) 0.410 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 amp/seg (%) 82.3 37.6 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 ph/frq (deg) 13.9 12.7 Inc. seg. avg. 0.684 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 (%) 15.6 22.1 Inc. frq. avg. 0.424 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite ion window (TEC) 0.00 0.00

b: az 125.4 el 20.4 pa -33.2 n: az 151.6 el 38.3 pa -20.6 u,v (fr/asec) -2069.021 453.386 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/bn.zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/bn.W.15.zpwvdj

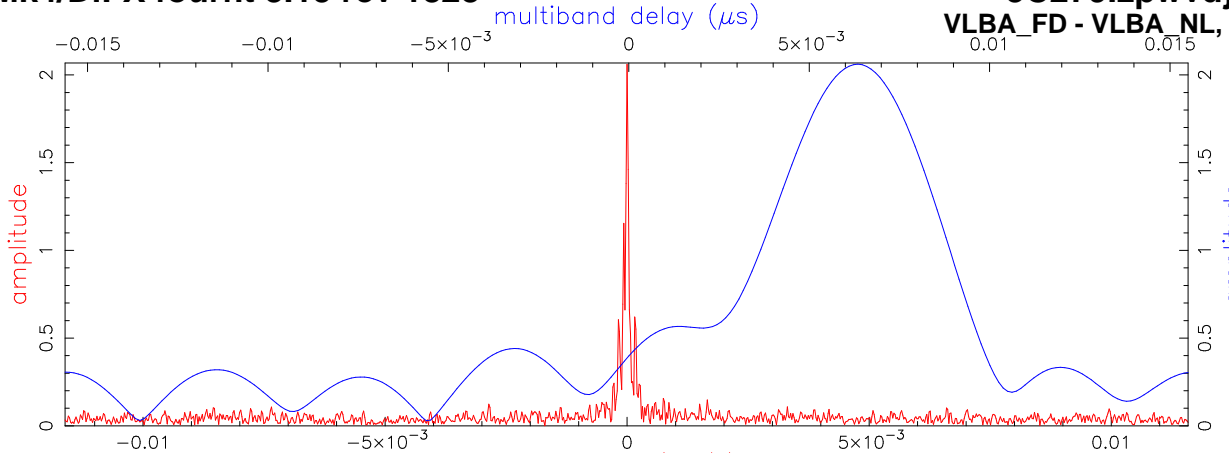


Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec

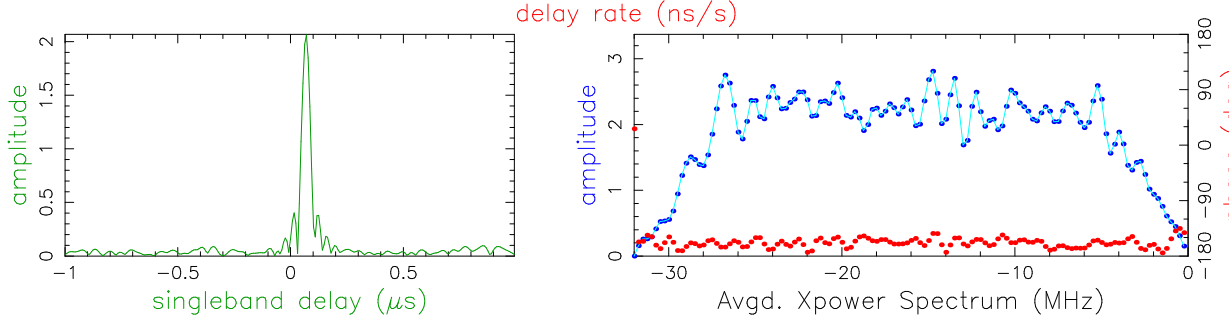


86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
-115.1	-97.6	-64.3	-62.4	-87.6	-60.5	-88.1	-83.9	Phase	-79.6
0.2	0.1	0.2	0.4	0.2	0.3	0.4	0.4	Ampl.	0.2
147.9	54.8	211.4	132.0	141.3	131.8	131.9	132.6	Sbd box	132.4
U/L 0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480	APs used	
b -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
n -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
b:n 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
b:n 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
b 1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
n 1000	1000	1000	1000	1000	1000	1000	1000		
b W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
								Tracks	
n W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
								Tracks	
Group delay (usec)(sbd)	-5.72338352756E+03		Apriori delay (usec)	-5.72342119671E+03		Resid mbdelay (usec)	6.41915E-03	+/-	2.9E-04
Sband delay (usec)	-5.72339448371E+03		Apriori clock (usec)	-9.8375740E+00		Resid sbdelay (usec)	2.67130E-02	+/-	2.3E-03
Phase delay (usec)	-5.72342119927E+03		Apriori clockrate (us/s)	-2.8431971E-07		Resid phdelay (usec)	-2.56566E-06	+/-	5.0E-07
Delay rate (us/s)	3.63091905430E-01		Apriori rate (us/s)	3.63092225007E-01		Resid rate (us/s)	-3.19577E-07	+/-	3.6E-09
Total phase (deg)		-217.9	Apriori accel (us/s/s)	2.94724395014E-05		Resid phase (deg)	-259.6	+/-	15.4

ph/seg (deg) 76.8 Theor. 37.0 Amplitude 0.248 +/- 0.033 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 107.2 64.6 Search (1024X32) 0.240 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 21.0 21.8 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 42.4 38.1 Inc. seg. avg. 0.366 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 n: az 151.6 el 38.3 pa -20.6 u,v (fr/asec) -2069.021 453.386 ion window (TEC) 0.00 0.00 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/bn.zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/bn.W.16.zpwvdj

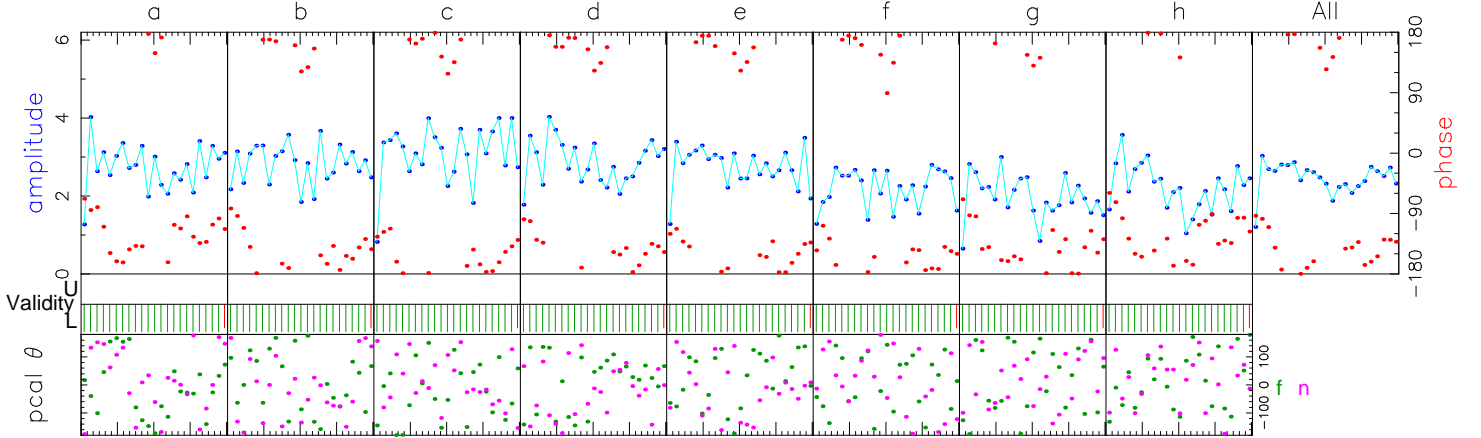


Fringe quality 5
 SNR 62.0
 Int time 239.986
 Amp 2.068
 Phase -517.6
 PFD 0.0e+00
 Delays (us)
 SBD 0.068623
 MBD 0.006324
 Fringe rate (Hz)
 -0.000967
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.500



Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050000.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024429
 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



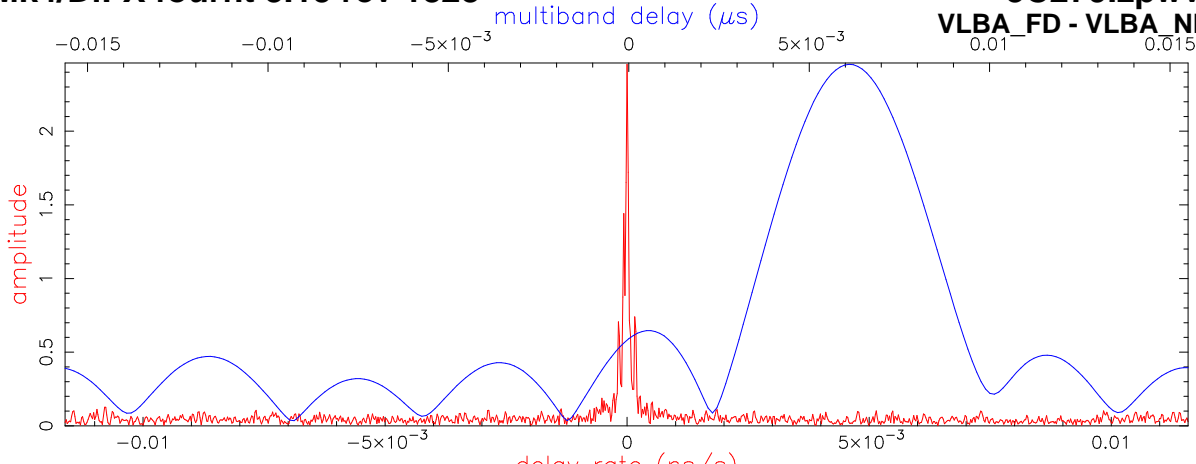
	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480		
f	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000		
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000		
f:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
n	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL		
n	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL		

Group delay (usec)(sbd)	7.58017587543E+02	Apriori delay (usec)	7.57948763918E+02	Resid mbdelay (usec)	6.32362E-03	+/-	3.5E-05
Sband delay (usec)	7.58017387418E+02	Apriori clock (usec)	-6.1271276E+00	Resid sbdelay (usec)	6.86235E-02	+/-	2.8E-04
Phase delay (usec)	7.57948758835E+02	Apriori clockrate (us/s)	-7.1775409E-07	Resid phdelay (usec)	-5.08359E-06	+/-	6.0E-08
Delay rate (us/s)	3.18428543468E-01	Apriori rate (us/s)	3.18428554697E-01	Resid rate (us/s)	-1.12288E-08	+/-	4.3E-10
Total phase (deg)	-329.0	Apriori accel (us/s/s)	-2.25414205431E-06	Resid phase (deg)	-517.6	+/-	1.8

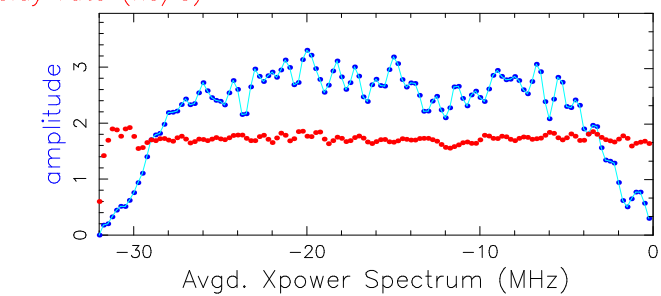
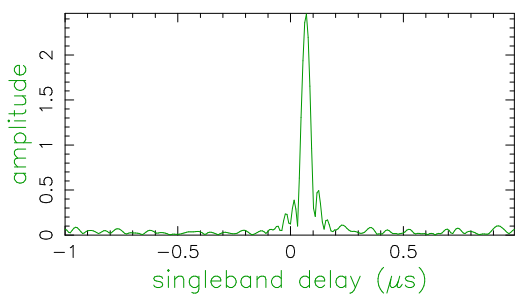
ph/seg (deg)	35.4	Theor.	4.4	Amplitude	2.068 +/- 0.033	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5	sb window (us)	-1.000	1.000
amp/seg (%)	26.5		7.7	Search (1024X32)	1.855	Pcal rate:	0.000E+00, 0.000E+00 (us/s)			mb window (us)	-0.016	0.016
ph/frq (deg)	19.2		2.6	Interp.	0.000	Bits/sample:	2x2	SampCntNorm:	enabled	dr window (ns/s)	-0.012	0.012
amp/frq (%)	16.8		4.6	Inc. seg. avg.	2.456	Sample rate(MSamp/s):	64			ion window (TEC)	0.00	0.00
				Inc. frq. avg.	2.146	Data rate(Mb/s):	1024	nlags:	128	t_cohere	infinite	

f: az 132.0 el 40.8 pa -39.8 n: az 151.6 el 38.3 pa -20.6 u,v (fr/asec) -1835.432 -1361.247 simultaneous interpolator

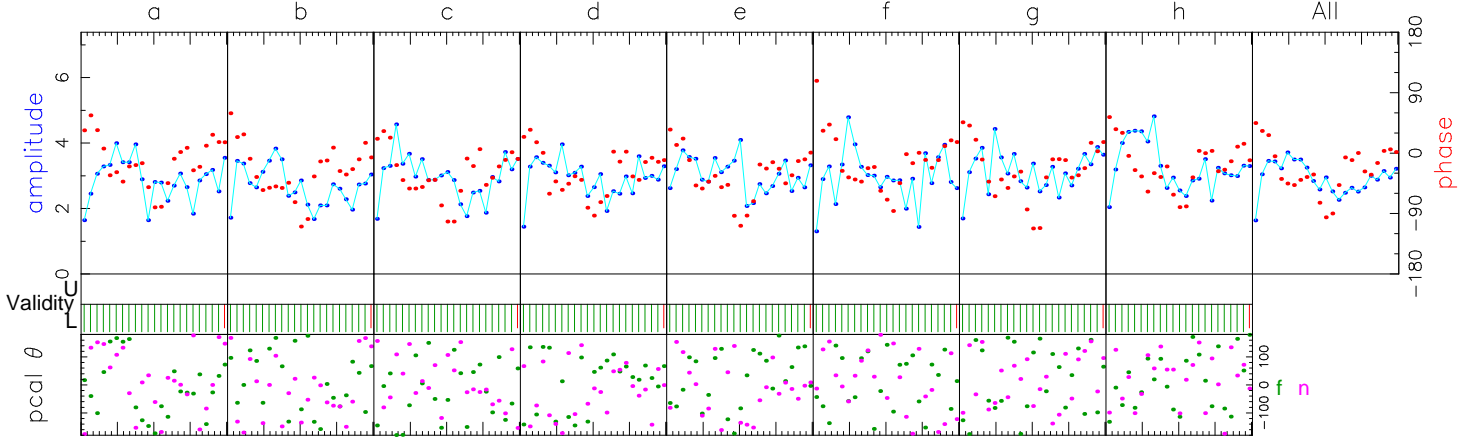
Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/fn..zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/fn.W.37.zpwvdj



Fringe quality 6
SNR 73.8
Int time 239.986
Amp 2.463
Phase -383.3
PFD 0.0e+00
Delays (us)
SBD 0.068517
MBD 0.006114
Fringe rate (Hz) -0.000906
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
2017:215:024430
2017:188:152524
RA & Dec (J2000) 12h56m11.1666s -5°47'21.525"

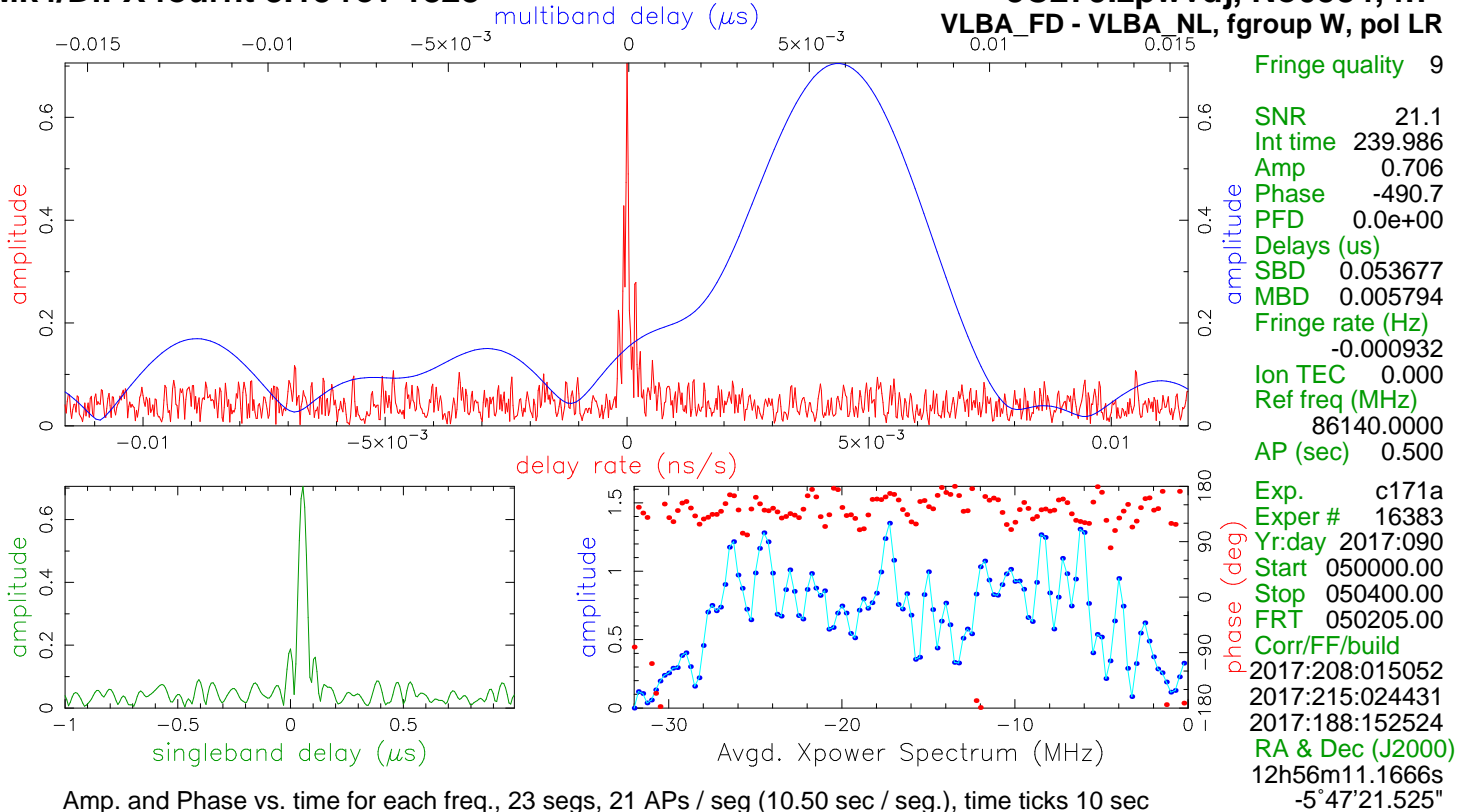


Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec

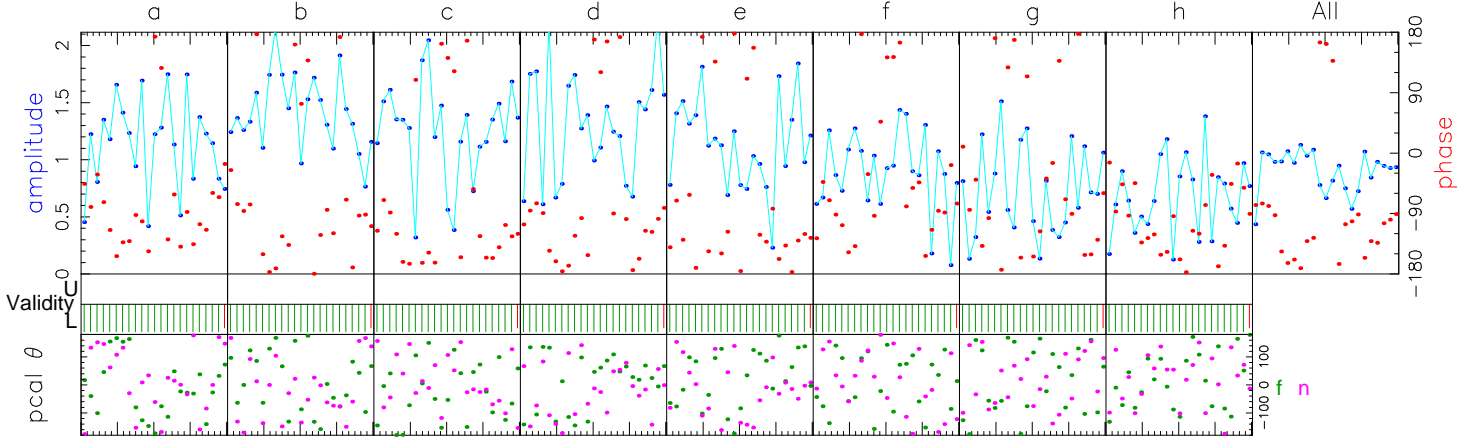


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480		
f	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000		
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000		
f:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
n	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR		
n	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR		
Group delay (usec)(sbd)		7.58017377668E+02		Apriori delay (usec)	7.57948763918E+02		Resid mbdelay (usec)	6.11375E-03	+/-	2.9E-05
Sband delay (usec)		7.58017280418E+02		Apriori clock (usec)	-6.1271276E+00		Resid sbdelay (usec)	6.85165E-02	+/-	2.3E-04
Phase delay (usec)		7.57948763168E+02		Apriori clockrate (us/s)	-7.1775409E-07		Resid phdelay (usec)	-7.49840E-07	+/-	5.0E-08
Delay rate (us/s)		3.18428544176E-01		Apriori rate (us/s)	3.18428554697E-01		Resid rate (us/s)	-1.05207E-08	+/-	3.6E-10
Total phase (deg)		-194.6		Apriori accel (us/s/s)	-2.25414205431E-06		Resid phase (deg)	-383.3	+/-	1.6
ph/seg (deg)	RMS 35.3	Theor. 3.7	Amplitude 2.463 +/- 0.033							
amp/seg (%)	26.9	6.5	Search (1024X32) 0.000							
ph/frq (deg)	8.1	2.2	Inc. seg. avg. 2.923							
amp/frq (%)	6.9	3.8	Inc. frq. avg. 2.471							
f: az 132.0 el 40.8 pa -39.8		n: az 151.6 el 38.3 pa -20.6		u,v (fr/asec) -1835.432 -1361.247						

Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/fn..zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/fn.W.38.zpwvdj



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



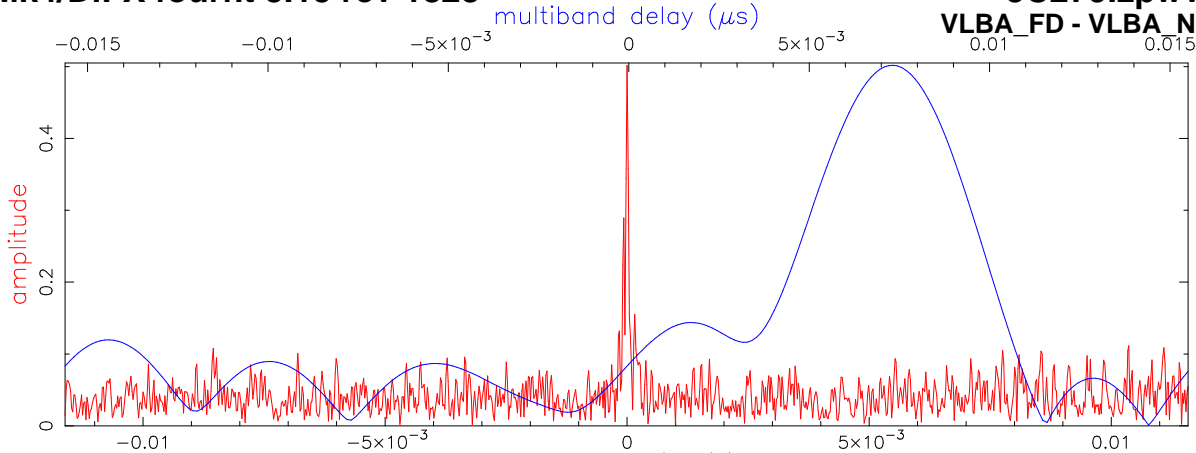
86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
-107.3	-139.6	-142.4	-130.1	-149.0	-111.0	-142.2	-109.4	Phase	-130.7
0.8	0.9	1.0	1.0	0.9	0.5	0.4	0.5	Ampl.	0.7
135.6	135.6	136.3	135.7	135.6	136.3	136.6	136.6	Sbd box	135.9
U/L 0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480	APs used	
f -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
n -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
f:n 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
f:n 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	
n 1000	1000	1000	1000	1000	1000	1000	1000		
f W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
n W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	

Group delay (usec)(sbd)	7.58017057793E+02	Apriori delay (usec)	7.57948763918E+02	Resid mbdelay (usec)	5.79388E-03	+/-	1.0E-04
Sband delay (usec)	7.58002440918E+02	Apriori clock (usec)	-6.1271276E+00	Resid sbdelay (usec)	5.36770E-02	+/-	8.1E-04
Phase delay (usec)	7.57948759705E+02	Apriori clockrate (us/s)	-7.1775409E-07	Resid phdelay (usec)	-4.21345E-06	+/-	1.7E-07
Delay rate (us/s)	3.18428543880E-01	Apriori rate (us/s)	3.18428554697E-01	Resid rate (us/s)	-1.08167E-08	+/-	1.3E-09
Total phase (deg)	-302.1	Apriori accel (us/s/s)	-2.25414205431E-06	Resid phase (deg)	-490.7	+/-	5.4

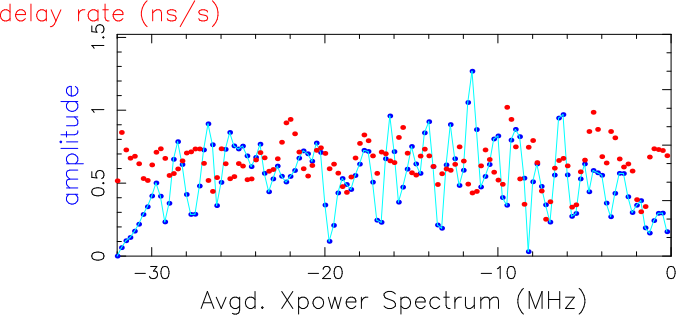
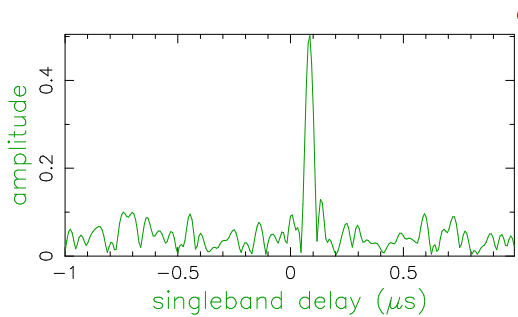
ph/seg (deg)	41.2	Theor.	13.0	Amplitude	0.706 +/- 0.033	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5
amp/seg (%)	37.5	Search (1024X32)	0.648	Interp.	0.000	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000
ph/frq (deg)	18.6	Inc. seg. avg.	0.881	Inc. seg. avg.	0.881	Bits/sample:	2x2	SampCntNorm:	enabled
amp/frq (%)	33.5	Inc. frq. avg.	0.725	Inc. frq. avg.	0.725	Sample rate(MSamp/s):	64	mb window (us)	-0.016 0.016
						Data rate(Mb/s):	1024	dr window (ns/s)	-0.012 0.012
						nlags:	128	t_cohere	infinite
								ion window (TEC)	0.00 0.00

f: az 132.0 el 40.8 pa -39.8 n: az 151.6 el 38.3 pa -20.6 u,v (fr/asec) -1835.432 -1361.247 simultaneous interpolator

Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/fn..zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/fn.W.39.zpwvdj

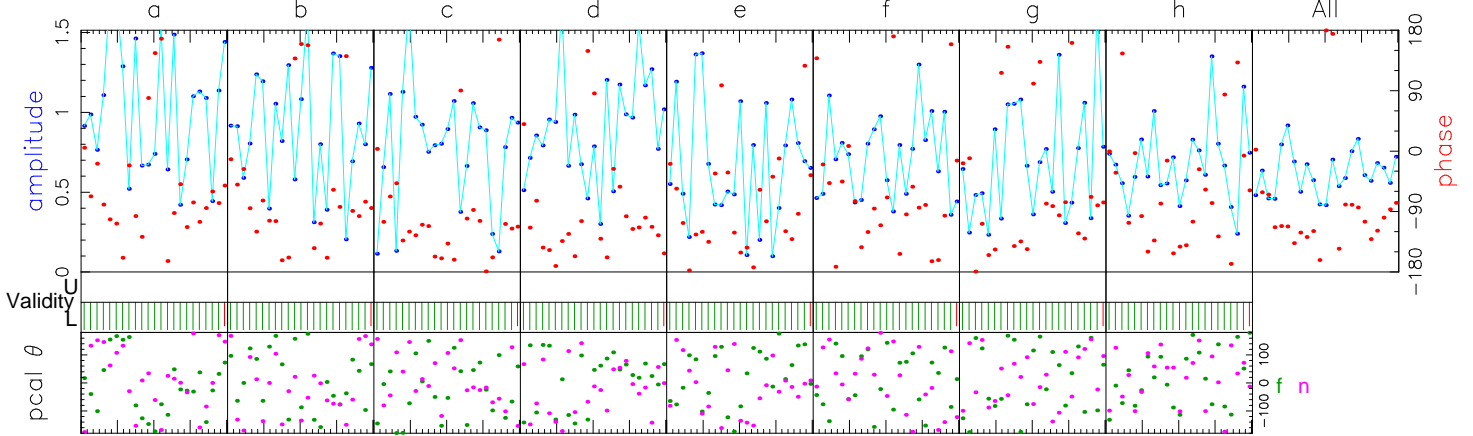


Fringe quality 9
 SNR 15.1
 Int time 239.986
 Amp 0.505
 Phase -468.9
 PFD 1.7e-43
 Delays (us)
 SBD 0.083738
 MBD 0.007289
 Fringe rate (Hz)
 -0.000618
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.500



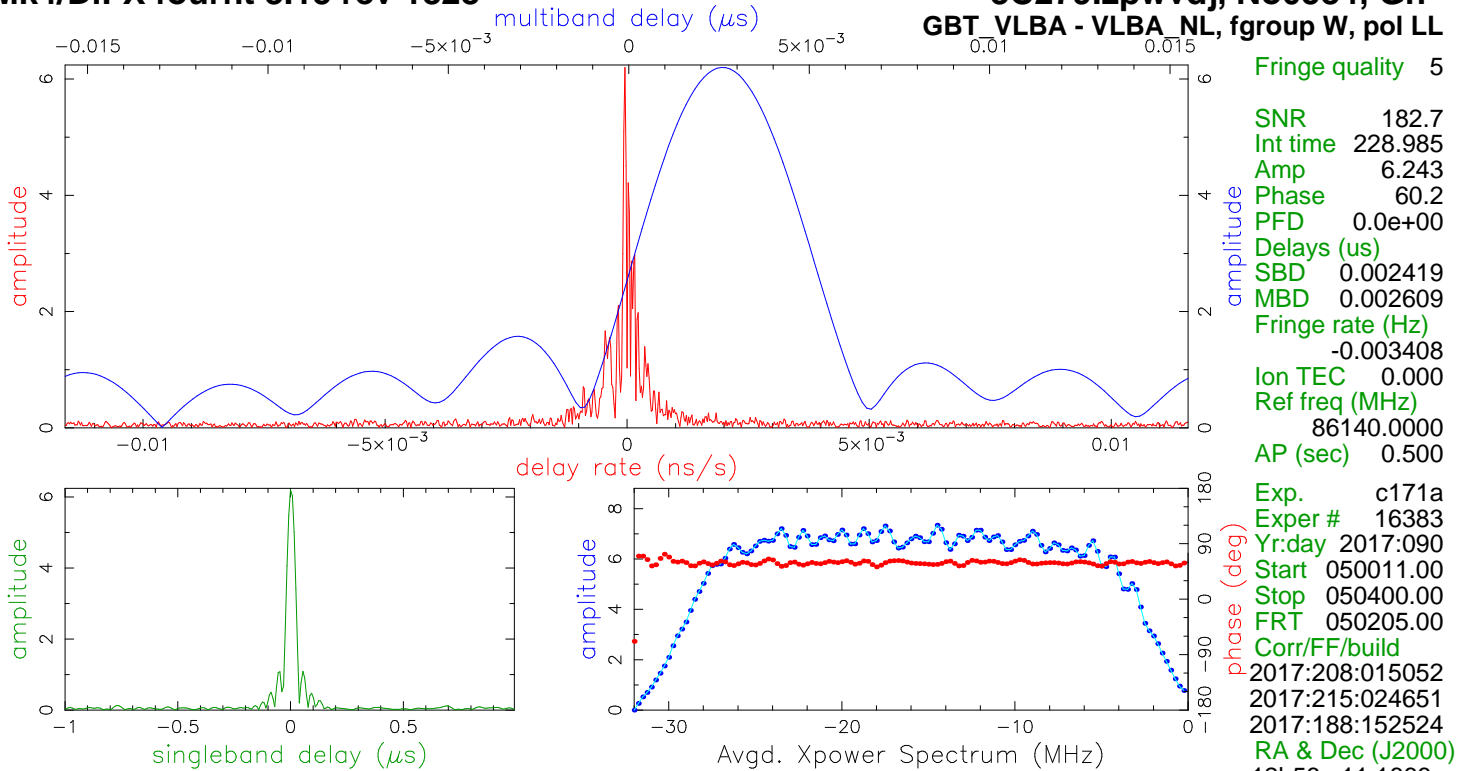
Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050000.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024432
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"

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

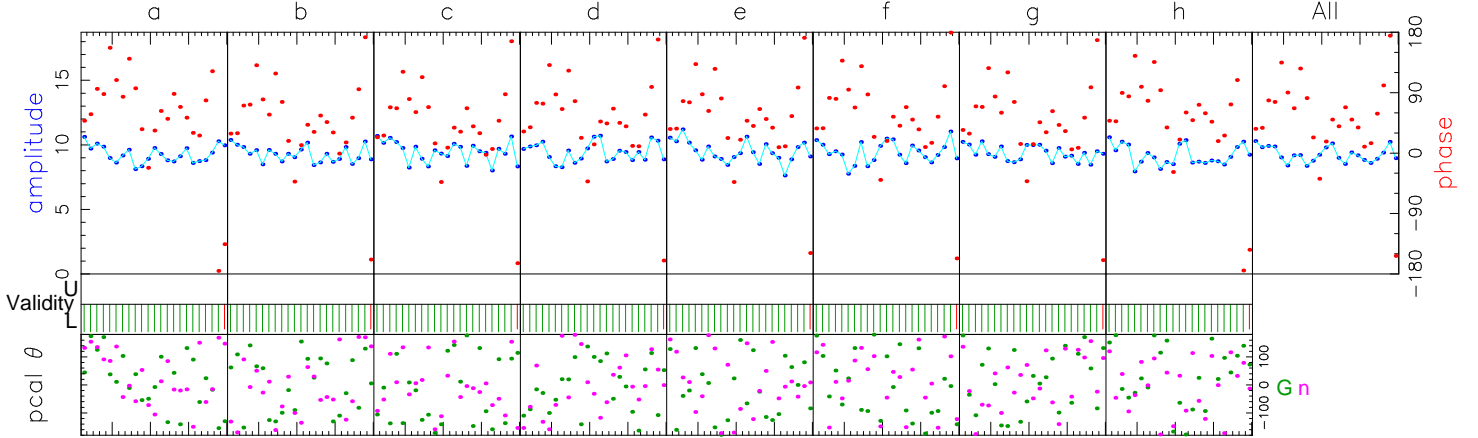


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480		
f	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	APs used	
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
f:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
f:n	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	
n	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
n	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
									Tracks	
Group delay (usec)(sbd)	7.58018552793E+02		Apriori delay (usec)		7.57948763918E+02		Resid mbdelay (usec)		7.28888E-03	+/- 1.4E-04
Sband delay (usec)	7.58032502418E+02		Apriori clock (usec)		-6.1271276E+00		Resid sbdelay (usec)		8.37385E-02	+/- 1.1E-03
Phase delay (usec)	7.57948760405E+02		Apriori clockrate (us/s)		-7.1775409E-07		Resid phdelay (usec)		-3.51316E-06	+/- 2.4E-07
Delay rate (us/s)	3.18428547522E-01		Apriori rate (us/s)		3.18428554697E-01		Resid rate (us/s)		-7.17437E-09	+/- 1.8E-09
Total phase (deg)			Apriori accel (us/s/s)		-2.25414205431E-06		Resid phase (deg)		-468.9	+/- 7.6
	RMS	Theor.	Amplitude	0.505 +/- 0.033	Pcal mode: MANUAL, MANUAL		PC period (AP's) 5, 5			
ph/seg (deg)	40.5	18.2	Search (1024X32)	0.474	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)		-1.000	1.000
amp/seg (%)	34.5	31.7	Interp.	0.000	Bits/sample: 2x2		SampCntNorm: enabled		-0.016	0.016
ph/frq (deg)	16.1	10.7	Inc. seg. avg.	0.590	Sample rate(MSamp/s): 64		dr window (ns/s)		-0.012	0.012
amp/frq (%)	24.1	18.7	Inc. frq. avg.	0.507	Data rate(Mb/s): 1024		nlags: 128 t_cohere infinite		ion window (TEC)	0.00 0.00

f: az 132.0 el 40.8 pa -39.8 n: az 151.6 el 38.3 pa -20.6 u,v (fr/asec) -1835.432 -1361.247 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/fn..zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/fn.W.40.zpwvdj



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



86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
77.1	53.0	50.2	58.4	59.6	61.2	53.1	70.1	Phase	60.2
6.1	6.2	6.5	6.4	6.4	6.1	6.3	6.2	Ampl.	6.3
129.1	129.1	129.5	129.3	129.5	129.1	129.5	129.5	Sbd box	129.3
U/L 0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
G -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
n -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G:n 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:n 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
G 1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
n 1000	1000	1000	1000	1000	1000	1000	1000		
G W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
n W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
								Chan ids	
								Tracks	
Group delay (usec)(sbd)	1.73636389984E+03		Apriori delay (usec)	1.73636129131E+03		Resid mbdelay (usec)	2.60853E-03	+/-	1.2E-05
Sband delay (usec)	1.73636371081E+03		Apriori clock (usec)	-1.6636118E+01		Resid sbdelay (usec)	2.41950E-03	+/-	9.4E-05
Phase delay (usec)	1.73636129325E+03		Apriori clockrate (us/s)	-6.4946502E-08		Resid phdelay (usec)	1.94073E-06	+/-	2.0E-08
Delay rate (us/s)	-2.17005449183E-01		Apriori rate (us/s)	-2.17005409615E-01		Resid rate (us/s)	-3.95679E-08	+/-	1.5E-10
Total phase (deg)		288.3	Apriori accel (us/s/s)	-8.80687198072E-06		Resid phase (deg)	60.2	+/-	0.6

RMS Theor. Amplitude 6.243 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5

ph/seg (deg) 53.6 1.5 Search (1024X32) 6.038 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000

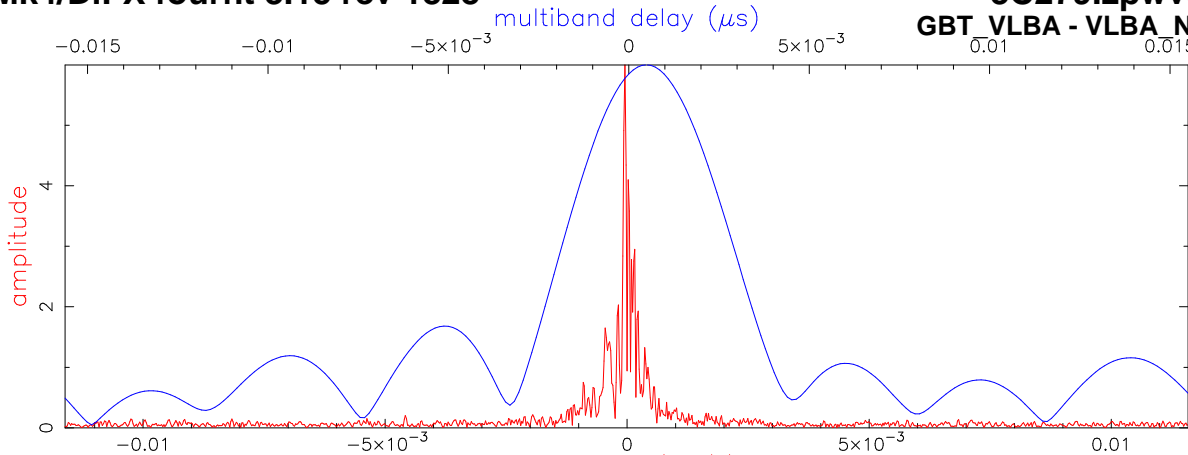
amp/seg (%) 49.3 2.6 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016

ph/frq (deg) 9.9 0.9 Inc. seg. avg. 9.265 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012

amp/frq (%) 2.2 1.5 Inc. frq. avg. 6.269 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 n: az 151.6 el 38.3 pa -20.6 u,v (fr/asec) 1242.854 -320.477 simultaneous interpolator

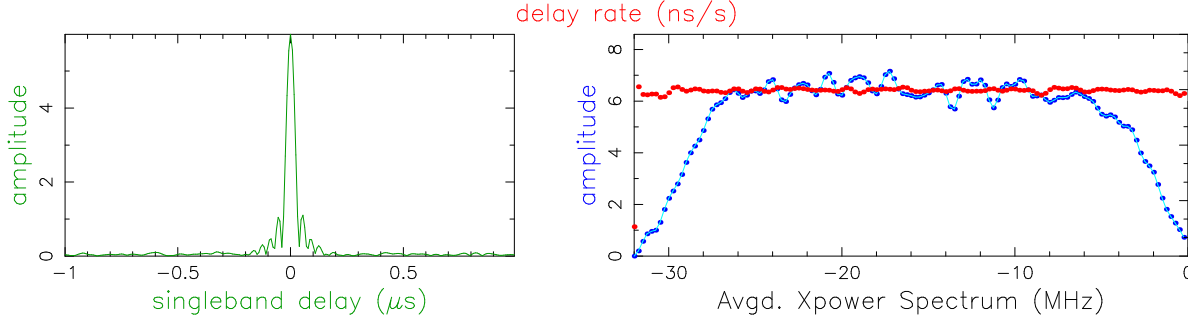
Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/Gn..zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/Gn.W.169.zpwwdj



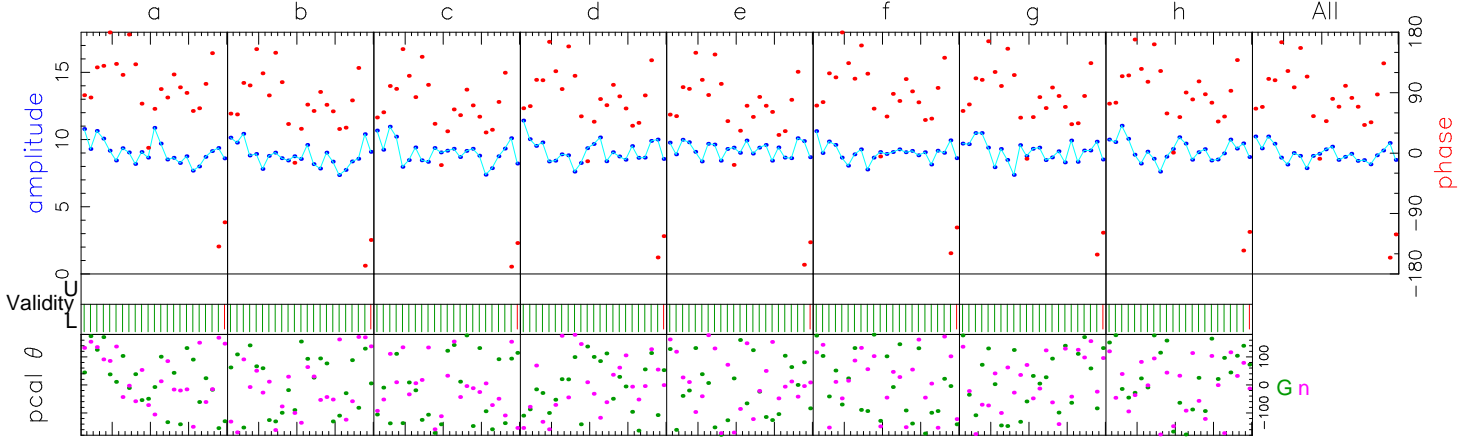
Fringe quality 5

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

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



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



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

RMS Theor. Amplitude 5.995 +/- 0.034
 ph/seg (deg) 53.7 1.6 Search (1024X32) 5.767
 amp/seg (%) 50.4 2.7 Interp. 0.000
 ph/frq (deg) 11.0 0.9 Inc. seg. avg. 8.948
 amp/frq (%) 2.6 1.6 Inc. frq. avg. 6.080

Group delay (usec)(sbd) 1.73636177791E+03
 Sband delay (usec) 1.73636137981E+03
 Phase delay (usec) 1.73636129427E+03
 Delay rate (us/s) -2.17005449393E-01
 Total phase (deg) 319.7

Apriori delay (usec) 1.73636129131E+03
 Apriori clock (usec) -1.6636118E+01
 Apriori clockrate (us/s) -6.4946502E-08
 Apriori rate (us/s) -2.17005409615E-01
 Apriori accel (us/s/s) -8.80687198072E-06

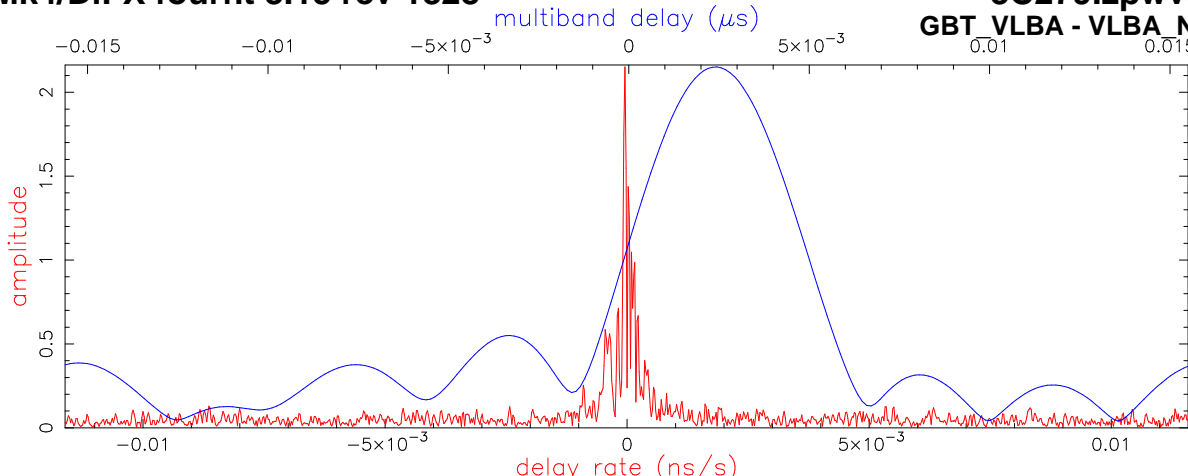
Resid mbdelay (usec) 4.86592E-04 +/- 1.2E-05
 Resid sbdelay (usec) 8.85000E-05 +/- 9.8E-05
 Resid phdelay (usec) 2.95167E-06 +/- 2.1E-08
 Resid rate (us/s) -3.97783E-08 +/- 1.6E-10
 Resid phase (deg) 91.5 +/- 0.7

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

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

Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/Gn.zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/Gn.W.170.zpwwdj



Fringe quality 5

SNR 63.3

Int time 228.985

Amp 2.163

Phase 264.9

PFD 0.0e+00

Delays (us)

SBD -0.013453

MBD 0.002412

Fringe rate (Hz)

-0.003417

Ion TEC 0.000

Ref freq (MHz)

86140.0000

AP (sec) 0.500

Exp. c171a

Exper # 16383

Yr:day 2017:090

Start 050011.00

Stop 050400.00

FRT 050205.00

Corr/FF/build

2017:208:015052

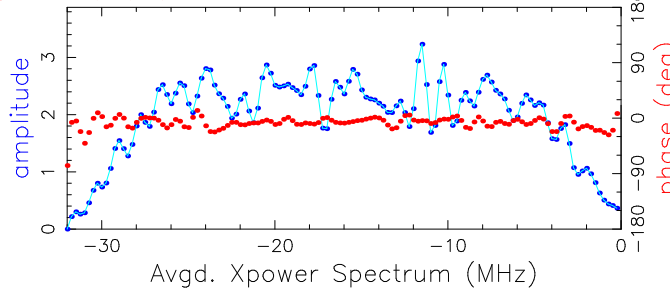
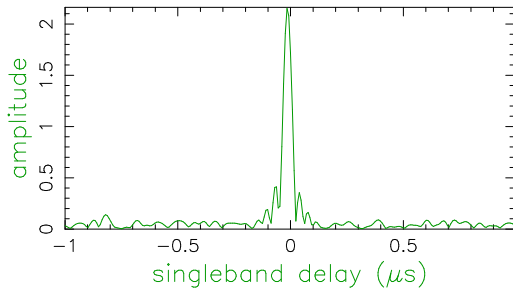
2017:215:024653

2017:188:152524

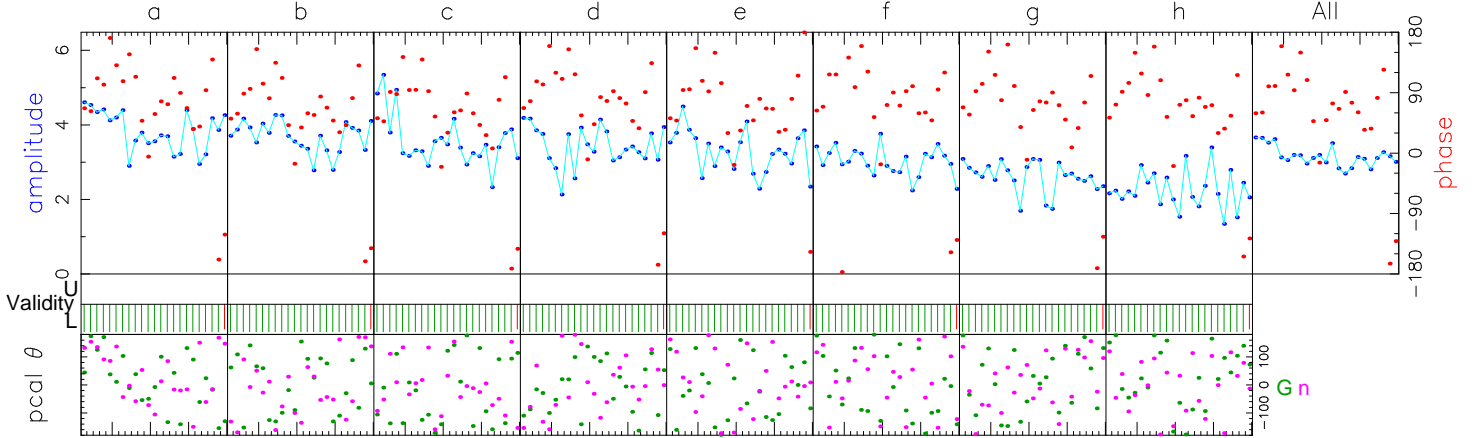
RA & Dec (J2000)

12h56m11.1666s

-5°47'21.525"



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



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

RMS Theor. Amplitude 2.163 +/- 0.034

ph/seg (deg) 52.9 4.3 Search (1024X32) 2.070

amp/seg (%) 47.9 7.6 Interp. 0.000

ph/frq (deg) 8.5 2.6 Inc. seg. avg. 3.155

amp/frq (%) 16.0 4.5 Inc. frq. avg. 2.168

Group delay (usec)(sbd) 1.73633245291E+03

Sband delay (usec) 1.73634783881E+03

Phase delay (usec) 1.73636129405E+03

Delay rate (us/s) -2.17005449284E-01

Total phase (deg) 493.1

Apriori delay (usec) 1.73636129131E+03

Apriori clock (usec) -1.6636118E+01

Apriori clockrate (us/s) -6.4946502E-08

Apriori rate (us/s) -2.17005409615E-01

Apriori accel (us/s/s) -8.80687198072E-06

Resid mbdelay (usec) 2.41159E-03

Resid sbdelay (usec) -1.34525E-02

Resid phdelay (usec) 2.73782E-06

Resid rate (us/s) -3.96694E-08

Resid phase (deg) 264.9

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

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

Bits/sample: 2x2 SampCntNorm: enabled

Sample rate(MSamp/s): 64

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

sb window (us) -1.000 1.000

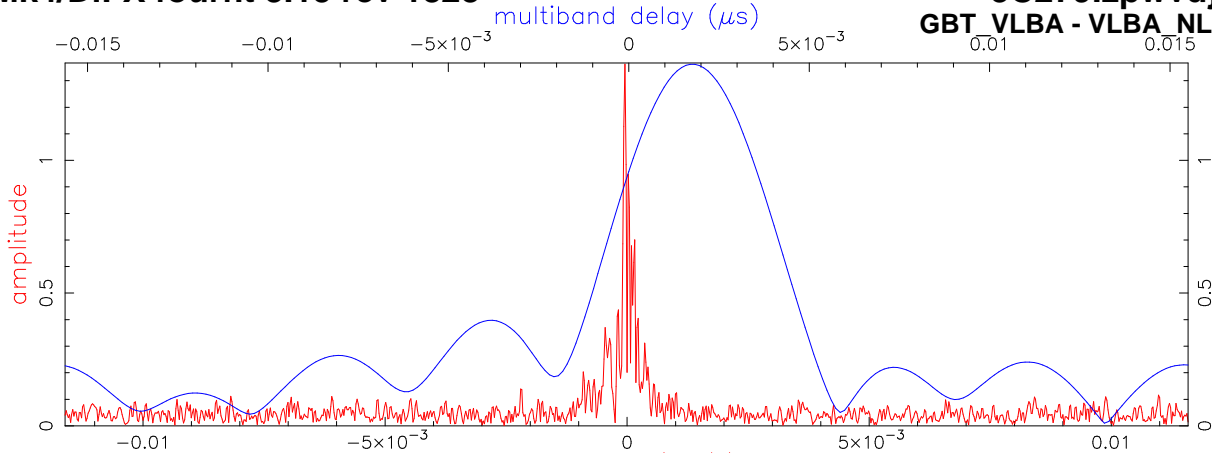
mb window (us) -0.016 0.016

dr window (ns/s) -0.012 0.012

ion window (TEC) 0.00 0.00

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

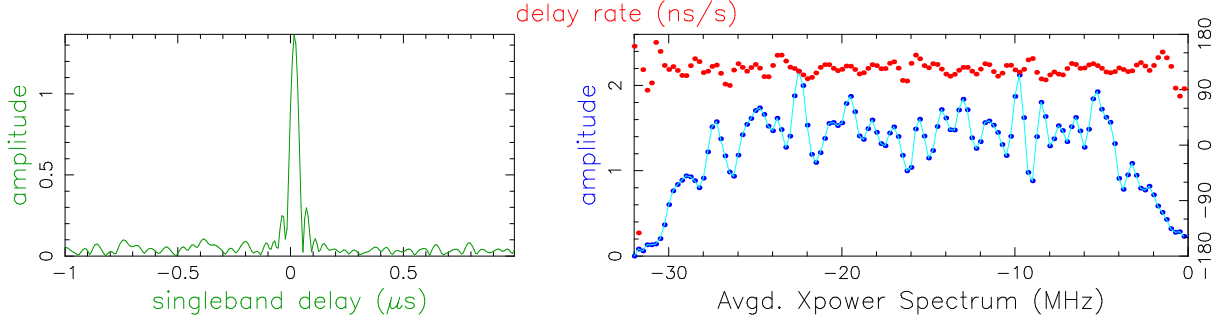
Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/Gn...zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/Gn.W.171.zpwwdj



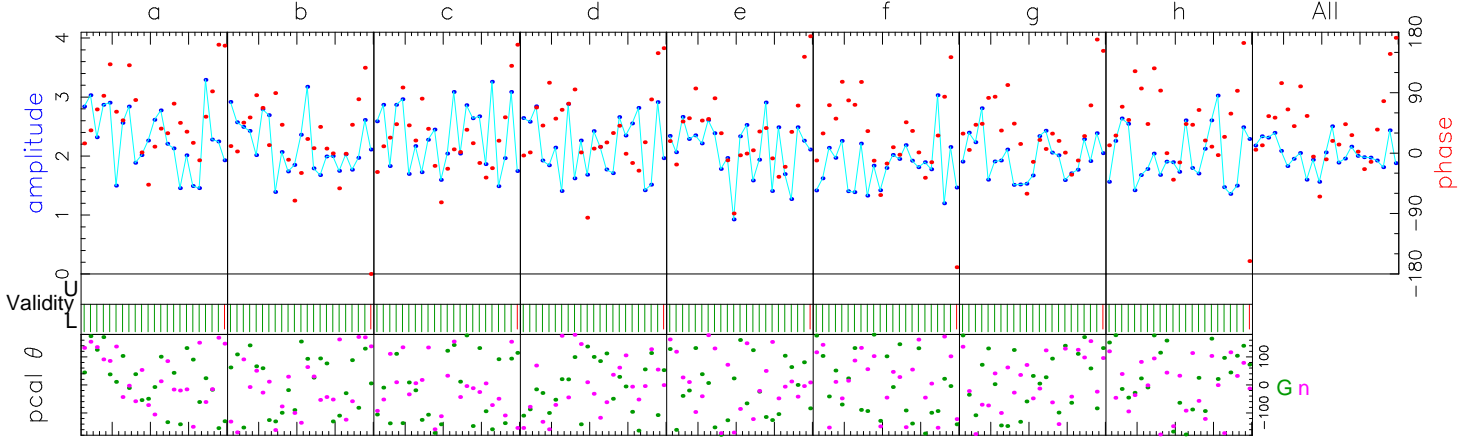
Fringe quality 6

SNR 40.0
Int time 228.985
Amp 1.367
Phase 34.4
PFD 0.0e+00
Delays (us)
SBD 0.017352
MBD 0.001771
Fringe rate (Hz) -0.003388
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
2017:215:024654
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"



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



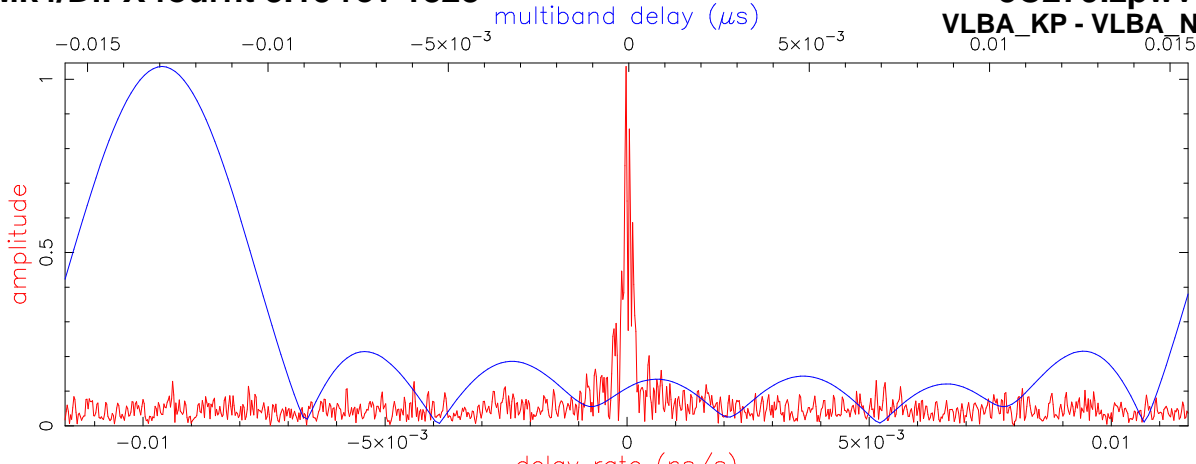
	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	Ampl.	1.4
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	Sbd box	131.2
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	APs used	
G:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC freqs	
G:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G	1000	1000	1000	1000	1000	1000	1000	1000	ManI PC	
n	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
G	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
n	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	

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

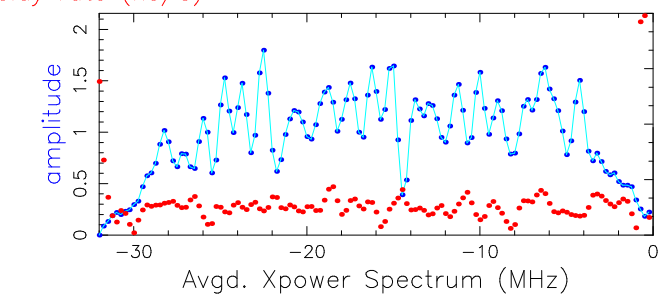
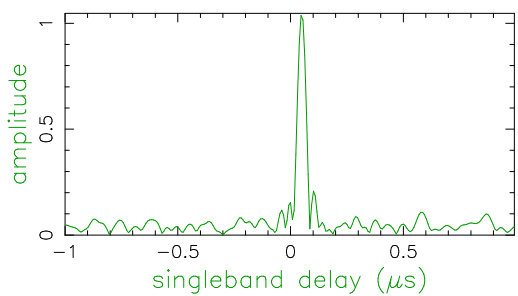
ph/seg (deg)	53.3	Theor.	6.9	Amplitude	1.367 +/- 0.034	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5
amp/seg (%)	52.0	Search (1024X32)	1.336	Search	0.000	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000
ph/frq (deg)	12.3	Interp.	0.000	Inc. seg. avg.	2.022	Bits/sample:	2x2	SampCntNorm: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

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

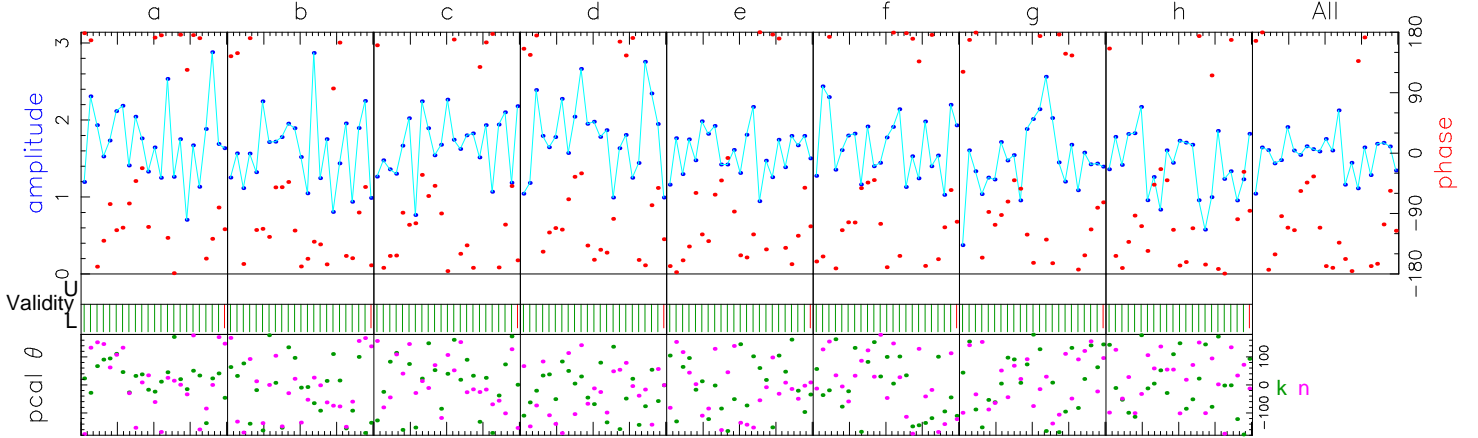
Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/Gn.zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/Gn.W.172.zpwwdj



Fringe quality 7
SNR 31.4
Int time 239.987
Amp 1.047
Phase -495.2
PFD 0.0e+00
Delays (us)
SBD 0.049696
MBD -0.012923
Fringe rate (Hz)
-0.002209
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
2017:215:024451
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"

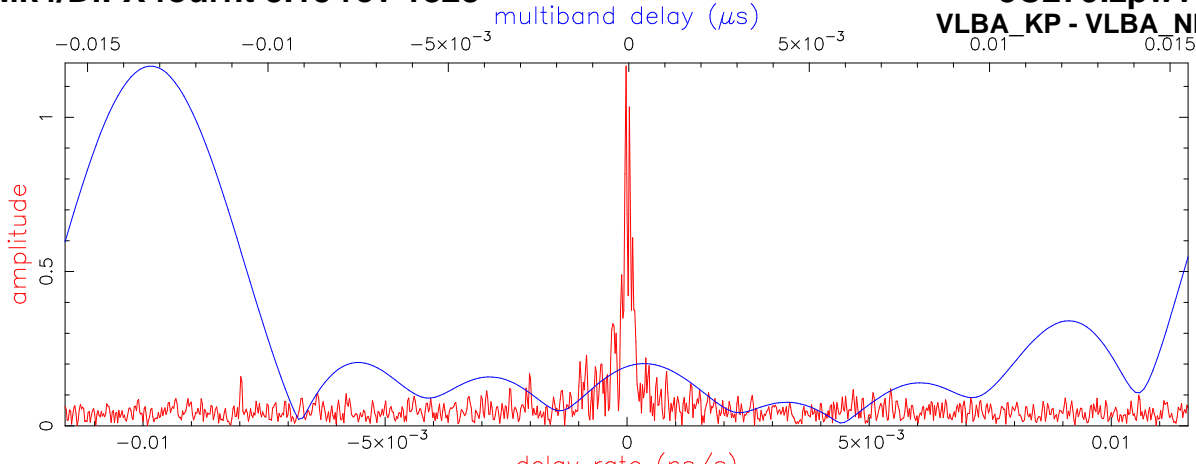


Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec



	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	-136.3	-131.3	-139.2	-133.9	-128.1	-139.4	-139.4	-133.9	Phase	-135.2
	1.1	1.0	1.0	1.1	1.1	1.1	1.0	0.9	Ampl.	1.0
	135.4	135.0	135.2	135.6	135.0	135.4	135.5	135.9	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	
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
k:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
k:n	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	
n	1000	1000	1000	1000	1000	1000	1000	1000		
k	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
n	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	-9.68341361804E+02		Apriori delay (usec)		-9.68390938788E+02		Resid mbdelay (usec)		-1.29230E-02	+/- 6.9E-05
Sband delay (usec)	-9.68341242788E+02		Apriori clock (usec)		-8.4381886E+00		Resid sbdelay (usec)		4.96960E-02	+/- 5.5E-04
Phase delay (usec)	-9.68390943148E+02		Apriori clockrate (us/s)		-2.9896566E-07		Resid phdelay (usec)		-4.35946E-06	+/- 1.2E-07
Delay rate (us/s)	4.46773783058E-01		Apriori rate (us/s)		4.46773808701E-01		Resid rate (us/s)		-2.56428E-08	+/- 8.5E-10
Total phase (deg)	-663.4		Apriori accel (us/s/s)		6.68538887169E-06		Resid phase (deg)		-495.2	+/- 3.7

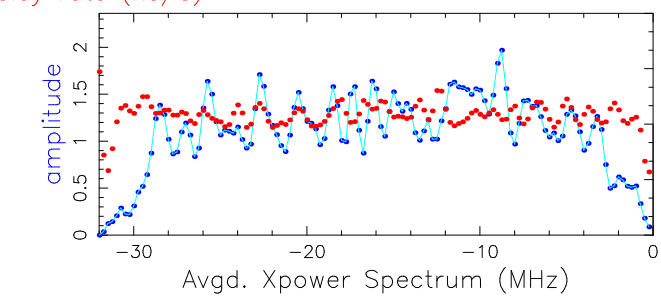
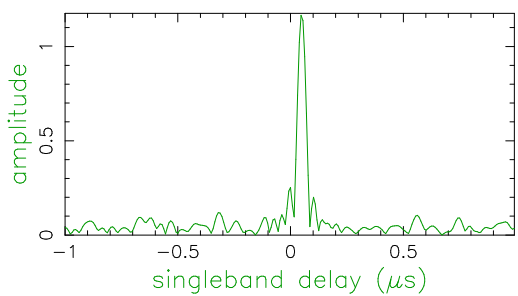
ph/seg (deg) 51.0 8.8 Theor. Amplitude 1.047 +/- 0.033 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 53.5 15.3 Search (1024X32) 1.025 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 4.5 5.2 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 7.5 9.0 Inc. seg. avg. 1.535 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 n: az 151.6 el 38.3 pa -20.6 u,v (fr/asec) -2567.871 -1260.195 ion window (TEC) 0.00 0.00
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/kn..zpvdj Output file: /Exps/c171a/gmva/1234/No0584/kn.W.57.zpvdj simultaneous interpolator



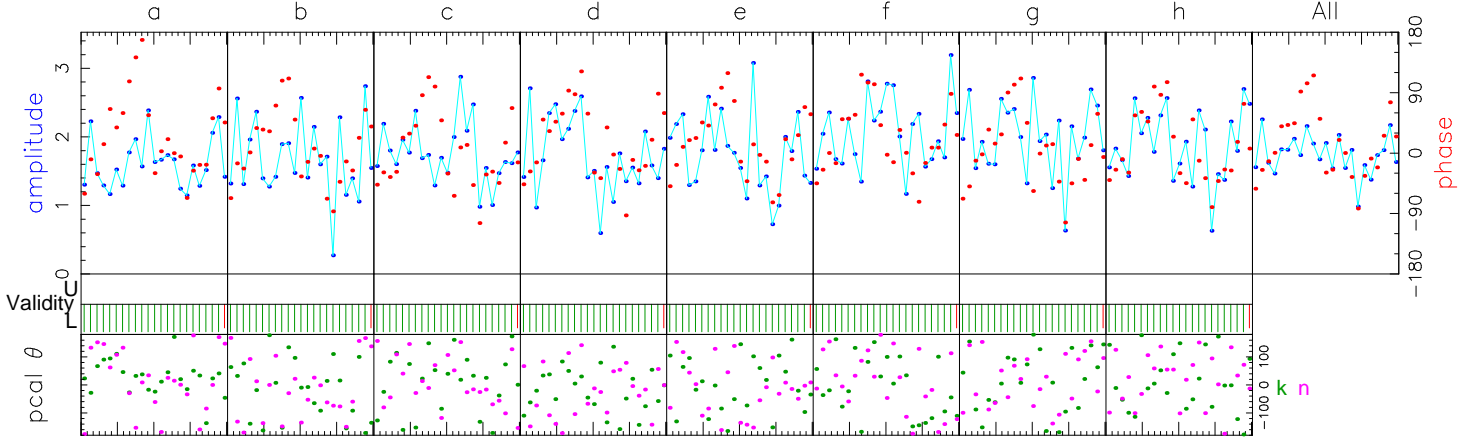
Fringe quality 7

SNR 35.2
Int time 239.987
Amp 1.176
Phase -344.9
PFD 0.0e+00
Delays (us)
SBD 0.049505
MBD -0.013234
Fringe rate (Hz)
-0.001963
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
2017:215:024452
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"



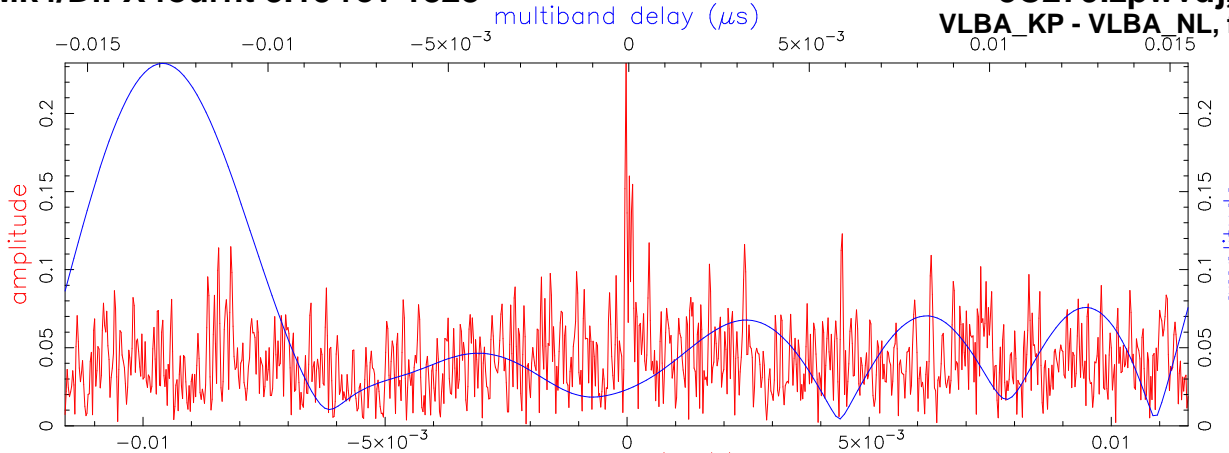
Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec



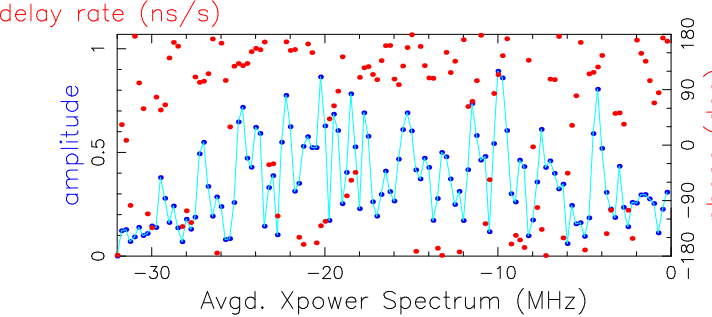
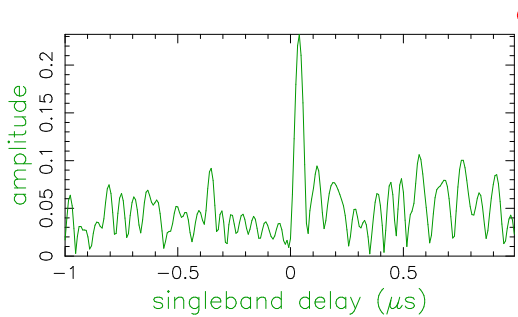
	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480		
k	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	APs used	15.1
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	Ampl.	1.2
k:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Sbd box	135.3
k:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC freqs	
k	1000	1000	1000	1000	1000	1000	1000	1000	PC phase	
n	1000	1000	1000	1000	1000	1000	1000	1000	Manl PC	
k	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	PC amp	
n	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
									Tracks	
									Tracks	
Group delay (usec)(sbd)	-9.68341672492E+02		Apriori delay (usec)	-9.68390938788E+02	Resid mbdelay (usec)	-1.32337E-02	+/-	6.2E-05		
Sband delay (usec)	-9.68341433288E+02		Apriori clock (usec)	-8.4381886E+00	Resid sbdelay (usec)	4.95055E-02	+/-	4.9E-04		
Phase delay (usec)	-9.68390938302E+02		Apriori clockrate (us/s)	-2.9896566E-07	Resid phdelay (usec)	4.86206E-07	+/-	1.0E-07		
Delay rate (us/s)	4.46773785907E-01		Apriori rate (us/s)	4.46773808701E-01	Resid rate (us/s)	-2.27943E-08	+/-	7.6E-10		
Total phase (deg)		-513.1	Apriori accel (us/s/s)	6.68538887169E-06	Resid phase (deg)	-344.9	+/-	3.3		
	RMS	Theor.	Amplitude	1.176 +/- 0.033	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5				
ph/seg (deg)	50.6	7.8	Search (1024X32)	1.144	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000	1.000		
amp/seg (%)	53.9	13.6	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	mb window (us)	-0.016	0.016	
ph/frq (deg)	11.0	4.6	Inc. seg. avg.	1.729	Sample rate(MSamp/s): 64		dr window (ns/s)	-0.012	0.012	
amp/frq (%)	11.3	8.0	Inc. frq. avg.	1.178	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 n: az 151.6 el 38.3 pa -20.6 u,v (fr/asec) -2567.871 -1260.195 simultaneous interpolator

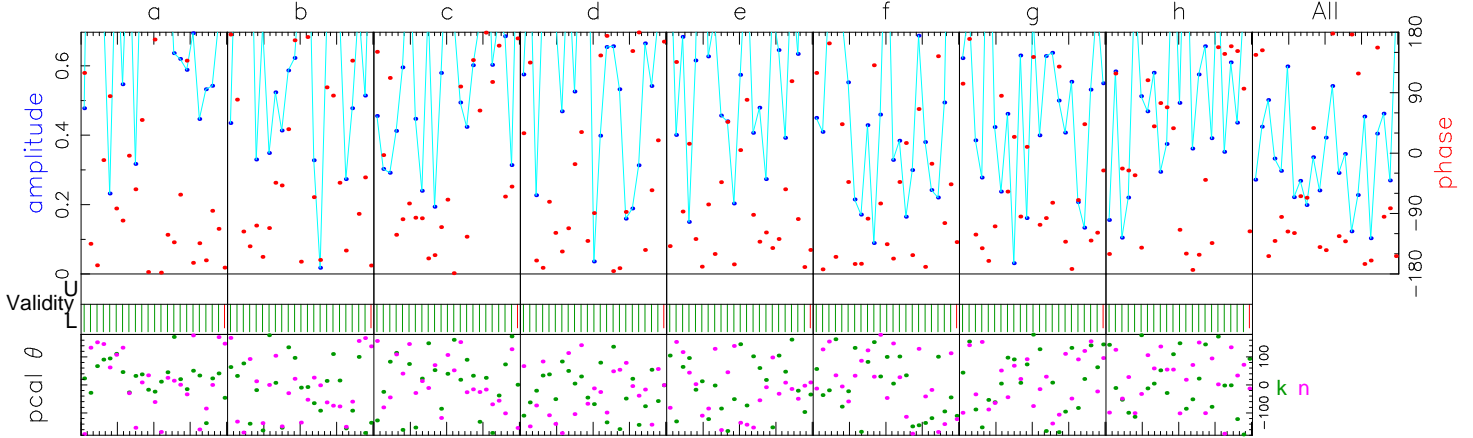
Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/kn.zpvdj Output file: /Exps/c171a/gmva/1234/No0584/kn.W.58.zpvdj



Fringe quality 0
SNR 7.0
Int time 239.987
Amp 0.232
Phase -505.0
PFD 2.6e-04
Delays (us)
SBD 0.037914
MBD -0.012896
Fringe rate (Hz) -0.001588
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
2017:215:024453
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"

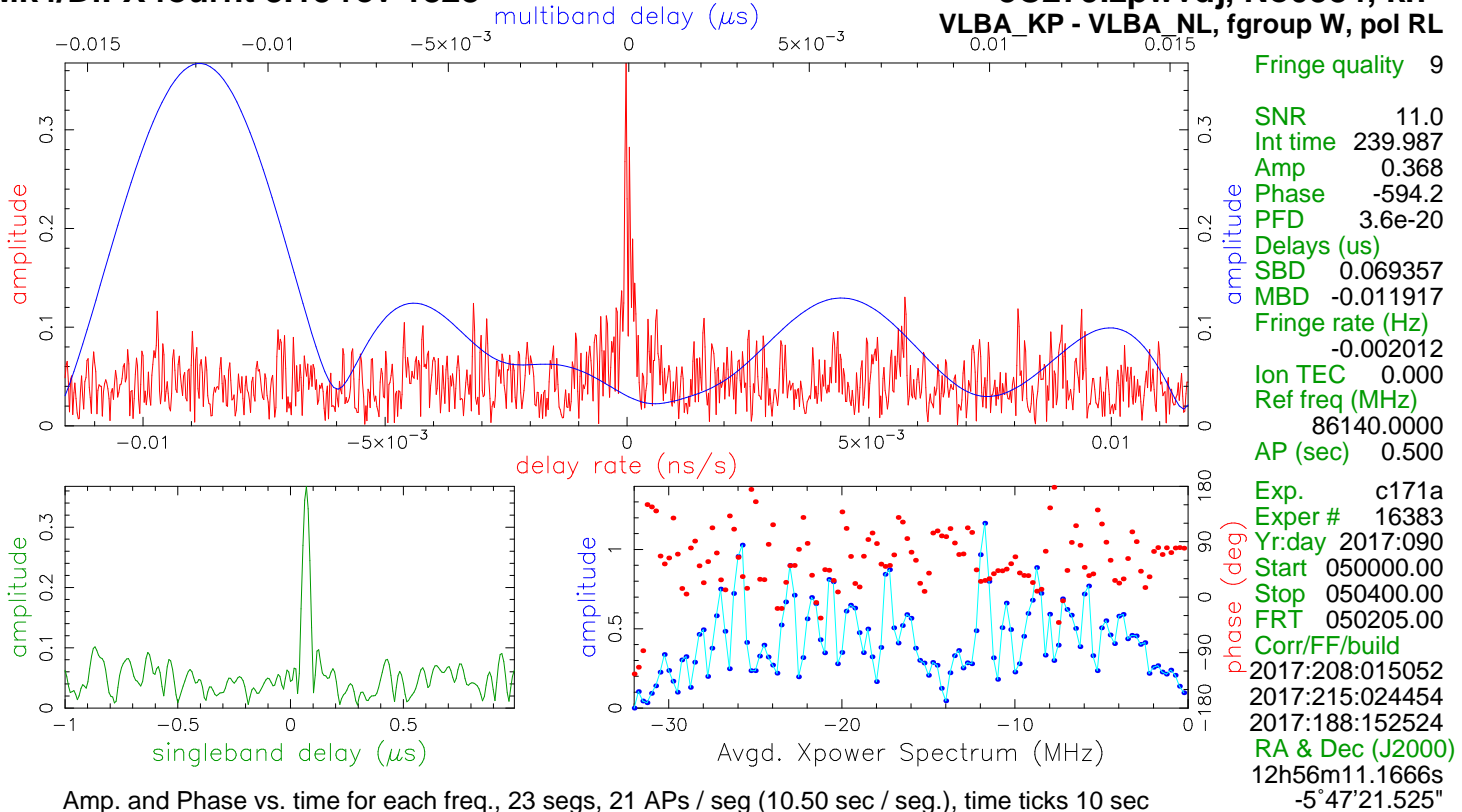


Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec

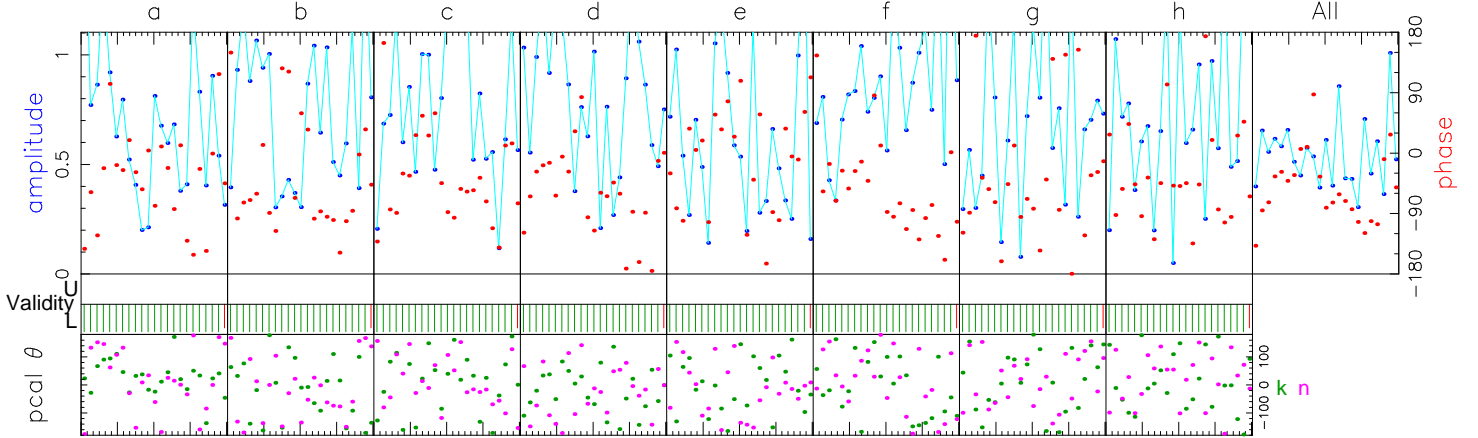


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480		
k	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000		
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000		
k:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
k:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
k	1000	1000	1000	1000	1000	1000	1000	1000		
n	1000	1000	1000	1000	1000	1000	1000	1000		
k	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL		
n	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR		
Group delay (usec)(sbd)		-9.68341335242E+02		Apriori delay (usec)	-9.68390938788E+02		Resid mbdelay (usec)	-1.28965E-02	+/-	3.1E-04
Sband delay (usec)		-9.68353024288E+02		Apriori clock (usec)	-8.4381886E+00		Resid sbdelay (usec)	3.79145E-02	+/-	2.5E-03
Phase delay (usec)		-9.68390943464E+02		Apriori clockrate (us/s)	-2.9896566E-07		Resid phdelay (usec)	-4.67522E-06	+/-	5.3E-07
Delay rate (us/s)		4.46773790266E-01		Apriori rate (us/s)	4.46773808701E-01		Resid rate (us/s)	-1.84351E-08	+/-	3.8E-09
Total phase (deg)		-673.2		Apriori accel (us/s/s)	6.68538887169E-06		Resid phase (deg)	-505.0	+/-	16.5
RMS	59.4	39.5		Search (1024X32)	0.228		PCal mode: MANUAL, MANUAL			
amp/seg (%)	79.9	68.9		Interp.	0.000		PCal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-1.000 1.000
ph/frq (deg)	20.0	23.3		Inc. seg. avg.	0.281		Bits/sample: 2x2		mb window (us)	-0.016 0.016
amp/frq (%)	32.9	40.6		Inc. frq. avg.	0.221		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			

k: az 125.6 el 34.9 pa -43.7 n: az 151.6 el 38.3 pa -20.6 u,v (fr/asec) -2567.871 -1260.195 simultaneous interpolator
Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/kn.zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/kn.W.59.zpwvdj



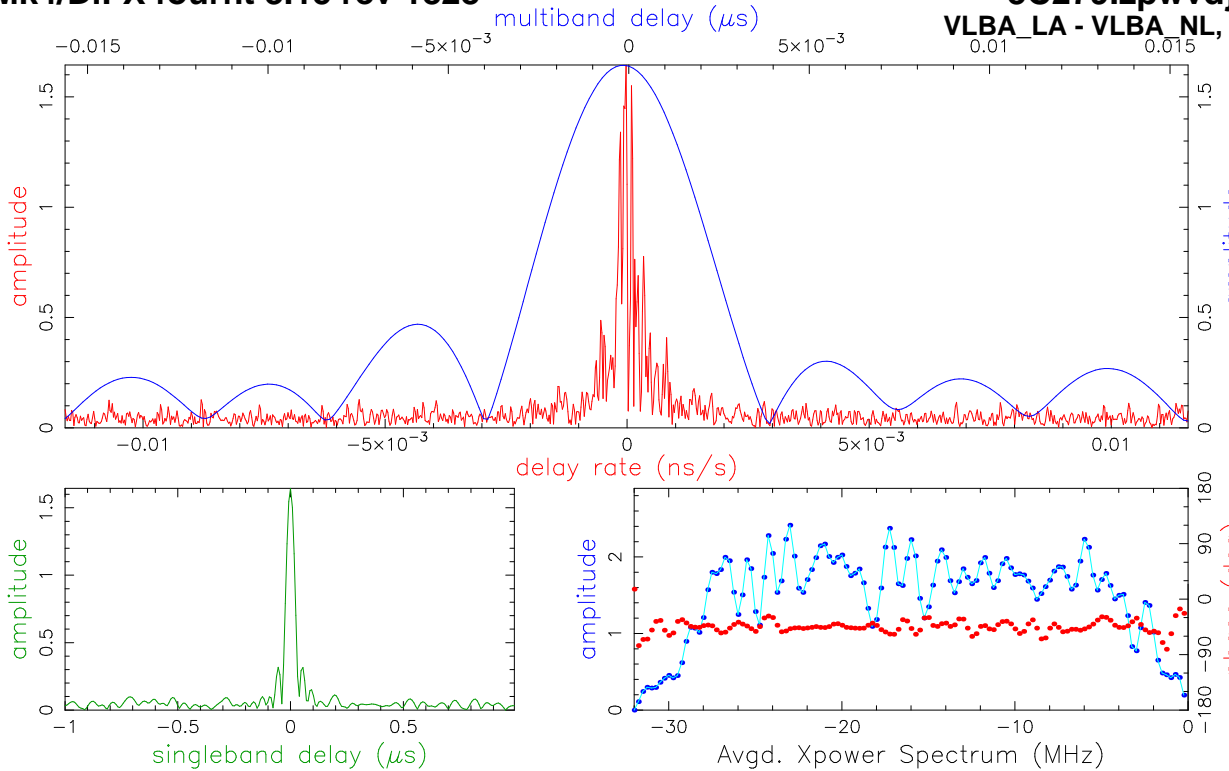
Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec



	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	-55.9	-67.1	-47.2	-62.2	10.4	-66.7	-71.7	-46.3	Phase	-54.2
	0.3	0.4	0.5	0.4	0.3	0.5	0.4	0.4	Ampl.	0.4
	138.8	137.9	137.8	138.1	137.7	137.0	137.4	138.1	Sbd box	137.9
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	
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
k:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
k:n	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	
n	1000	1000	1000	1000	1000	1000	1000	1000		
k	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
n	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)		-9.68309105929E+02		Apriori delay (usec)		-9.68390938788E+02		Resid mbdelay (usec)		-1.19171E-02 +/- 2.0E-04
Sband delay (usec)		-9.68321581788E+02		Apriori clock (usec)		-8.4381886E+00		Resid sbdelay (usec)		6.93570E-02 +/- 1.6E-03
Phase delay (usec)		-9.68390940537E+02		Apriori clockrate (us/s)		-2.9896566E-07		Resid phdelay (usec)		-1.74815E-06 +/- 3.4E-07
Delay rate (us/s)		4.46773785342E-01		Apriori rate (us/s)		4.46773808701E-01		Resid rate (us/s)		-2.33588E-08 +/- 2.4E-09
Total phase (deg)		-762.4		Apriori accel (us/s/s)		6.68538887169E-06		Resid phase (deg)		-594.2 +/- 10.4
RMS	51.5	24.9		Amplitude	0.368 +/- 0.033					
ph/seg (deg)	65.7	43.5		Search (1024X32)	0.366					
amp/seg (%)	28.8	14.7		Interp.	0.000					
ph/frq (deg)	21.5	25.7		Inc. seg. avg.	0.503					
amp/frq (%)				Inc. frq. avg.	0.383					
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	

k: az 125.6 el 34.9 pa -43.7 n: az 151.6 el 38.3 pa -20.6 u,v (fr/asec) -2567.871 -1260.195 simultaneous interpolator

Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/kn.zpvdj Output file: /Exps/c171a/gmva/1234/No0584/kn.W.60.zpvdj



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

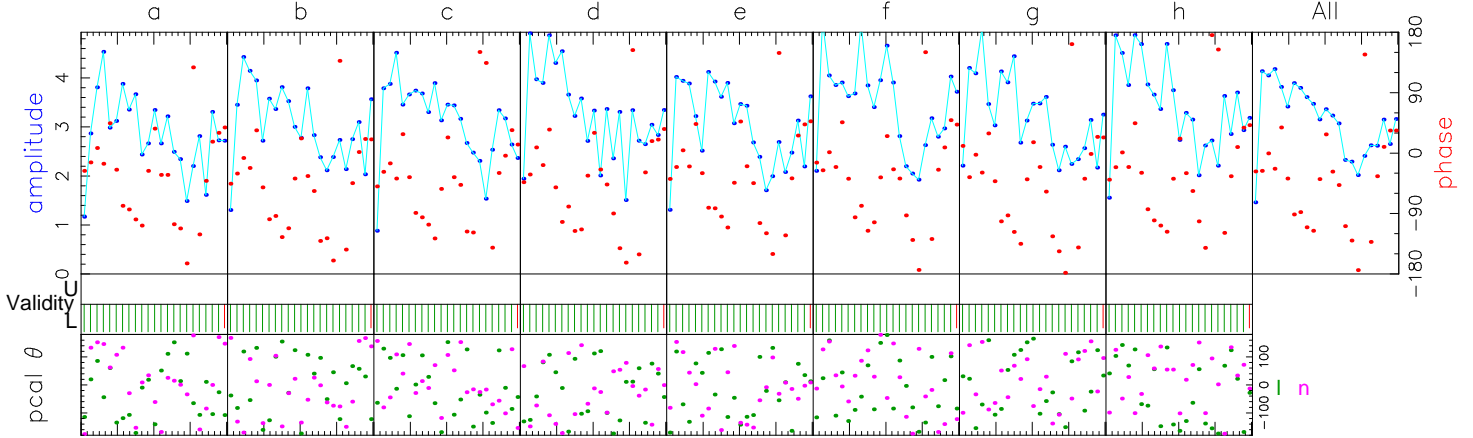
2017:208:015052

2017:215:024508

2017:188:152524

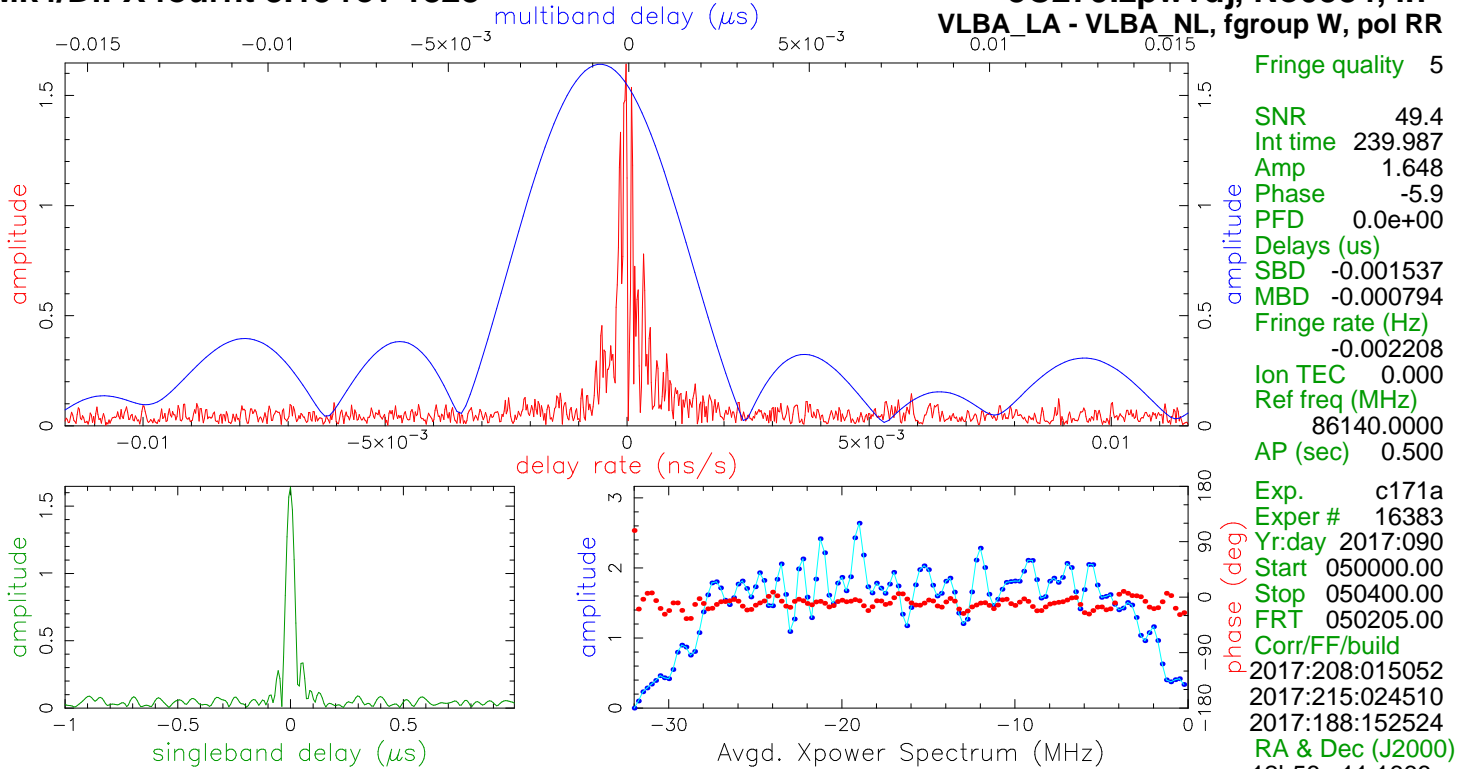
RA & Dec (J2000) 12h56m11.1666s -5°47'21.525"

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
-33.4	-49.0	-48.4	-42.7	-37.7	-34.2	-47.9	-41.7	Phase	-41.9
1.6	1.6	1.7	1.6	1.6	1.8	1.7	1.7	Ampl.	1.6
128.9	128.8	128.9	128.8	129.2	128.9	128.9	129.0	Sbd box	128.9
U/L 0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480	APs used	
-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC phase	
l:n 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Man'l PC	
l:n 1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
n 1000	1000	1000	1000	1000	1000	1000	1000		
-	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	Chan ids	
n	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	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	RMS Theor. 5.6	Amplitude 1.645 +/- 0.033	Pcal mode: MANUAL, MANUAL			PC period (AP's) 5, 5		sb window (us) -1.000	1.000
amp/seg (%) 100.0	69.2 5.6	Search (1024X32) 1.631	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		SampCntNorm: enabled		mb window (us) -0.016	0.016	
ph/frq (deg) 6.8	100.0 9.7	Interp. 0.000	Bits/sample: 2x2		Sample rate(MSamp/s): 64		dr window (ns/s) -0.012	0.012	
amp/frq (%) 5.8	6.8 3.3	Inc. seg. avg. 3.112	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..zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/ln.W.73.zpwvdj



Fringe quality 5

SNR 49.4

Int time 239.987

Amp 1.648

Phase -5.9

PFD 0.0e+00

Delays (us)

SBD -0.001537

MBD -0.000794

Fringe rate (Hz) -0.002208

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

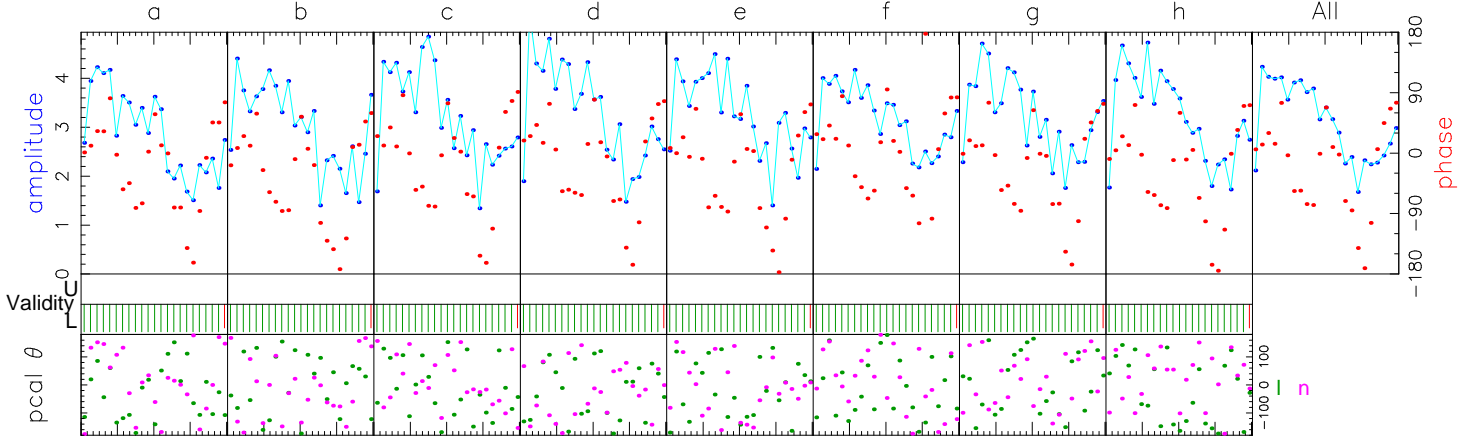
2017:208:015052

2017:215:024510

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
	-2.2	-17.1	-4.9	4.4	-19.0	6.6	-5.7	-11.1	Phase	-5.9
	1.6	1.6	1.6	1.8	1.7	1.7	1.7	1.7	Ampl.	1.7
	128.6	128.8	129.1	128.6	129.0	129.3	128.3	129.1	Sbd box	128.8
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	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)			Apriori accel (us/s/s)		4.42169587751E-06		Resid phase (deg)		-5.9	+/- 2.3

ph/seg (deg) 69.0 5.6 Theor. Amplitude 1.648 +/- 0.033 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5

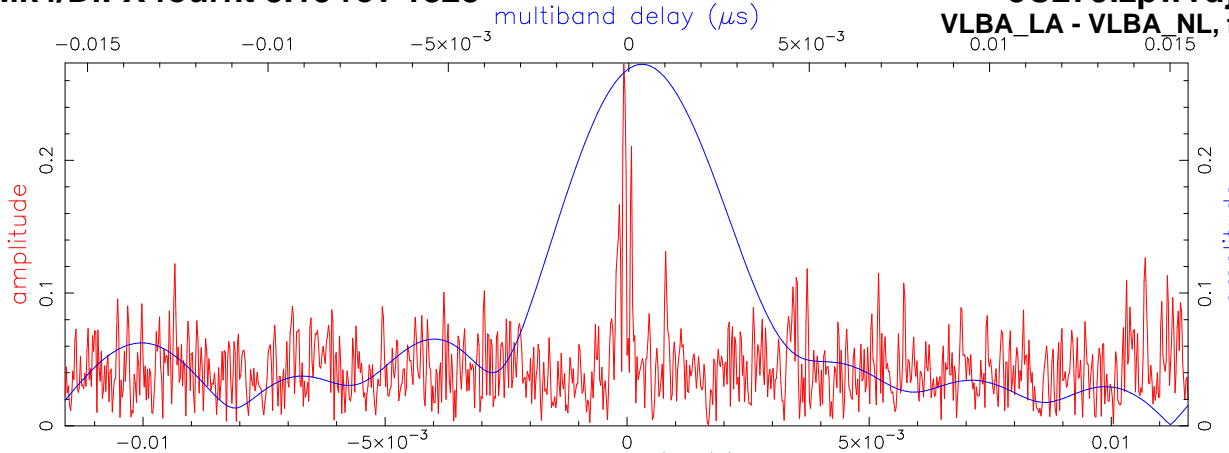
amp/seg (%) 99.4 9.7 Search (1024X32) 1.628 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000

ph/frq (deg) 10.0 3.3 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016

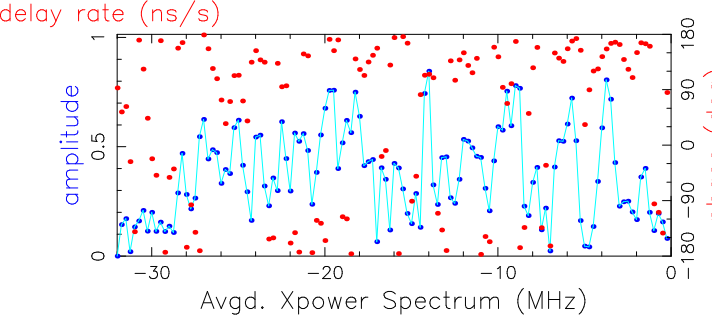
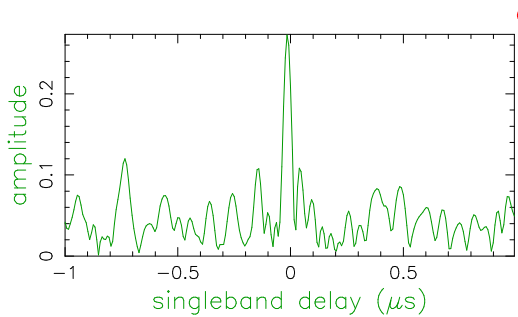
amp/frq (%) 5.2 5.7 Inc. seg. avg. 3.082 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012

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 ion window (TEC) 0.00 0.00 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

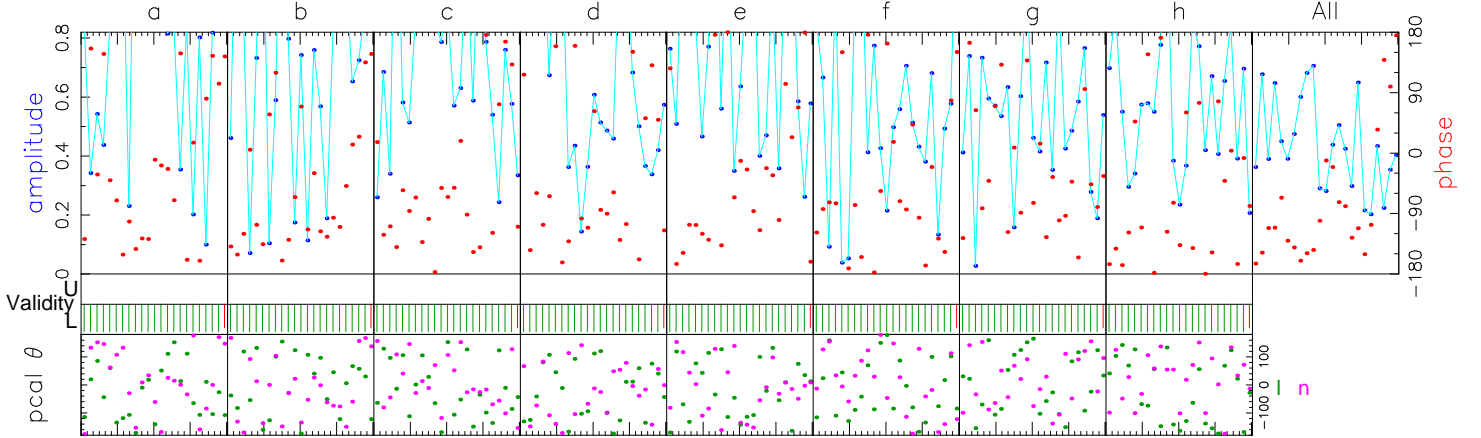


Fringe quality 9
SNR 8.2
Int time 239.987
Amp 0.273
Phase -123.9
PFD 2.3e-08
Delays (us)
SBD -0.014035
MBD 0.000362
Fringe rate (Hz)
-0.005172
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.500



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

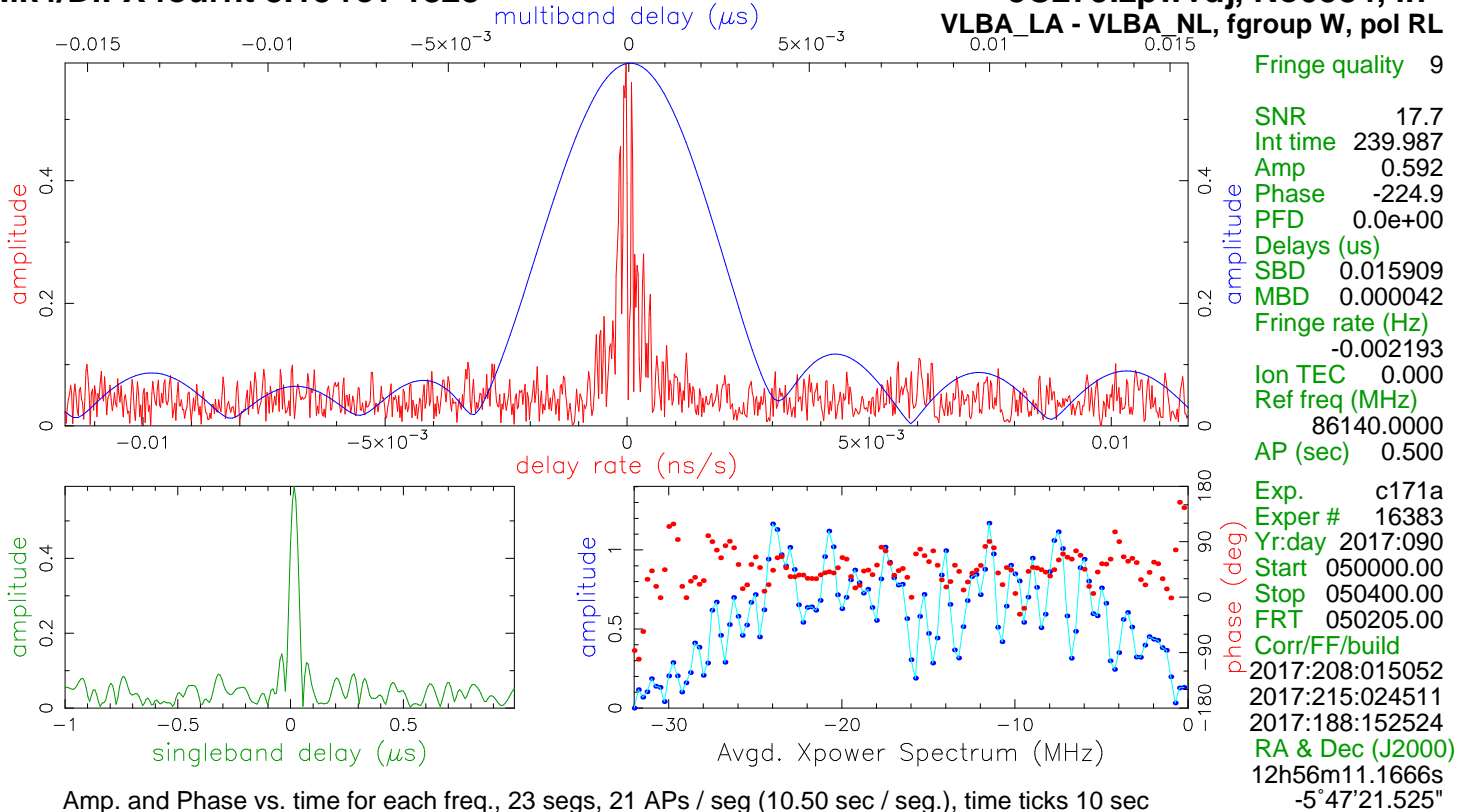


86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
-128.4	-128.3	-113.9	-135.3	-122.7	-113.6	-102.7	-144.7	Phase	-123.9
0.3	0.3	0.4	0.3	0.2	0.2	0.2	0.2	Ampl.	0.3
12.0	125.8	127.2	127.7	111.6	31.8	1.5	77.2	Sbd box	127.2
U/L 0/480	0/480	0/480	0/480	0/480	0/480	0/480	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	

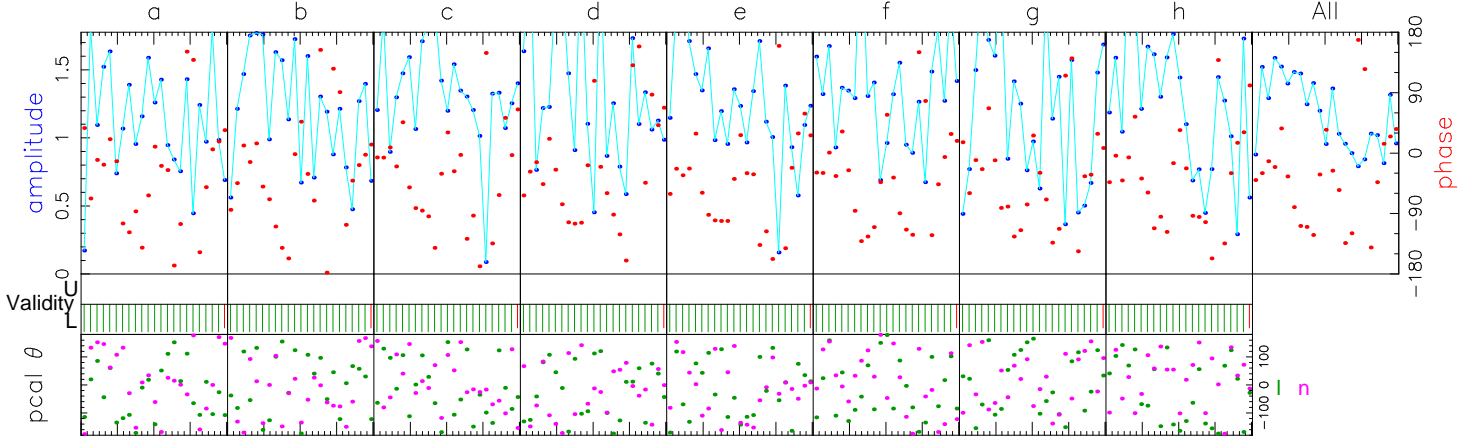
Group delay (usec)(sbd) -6.64167367838E+02 Apriori delay (usec) -6.64167729603E+02 Resid mbdelay (usec) 3.61764E-04 +/- 2.7E-04
 Sband delay (usec) -6.64181764103E+02 Apriori clock (usec) -9.6462507E+00 Resid sbdelay (usec) -1.40345E-02 +/- 2.1E-03
 Phase delay (usec) -6.64167733599E+02 Apriori clockrate (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..zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/ln.W.75.zpwvdj

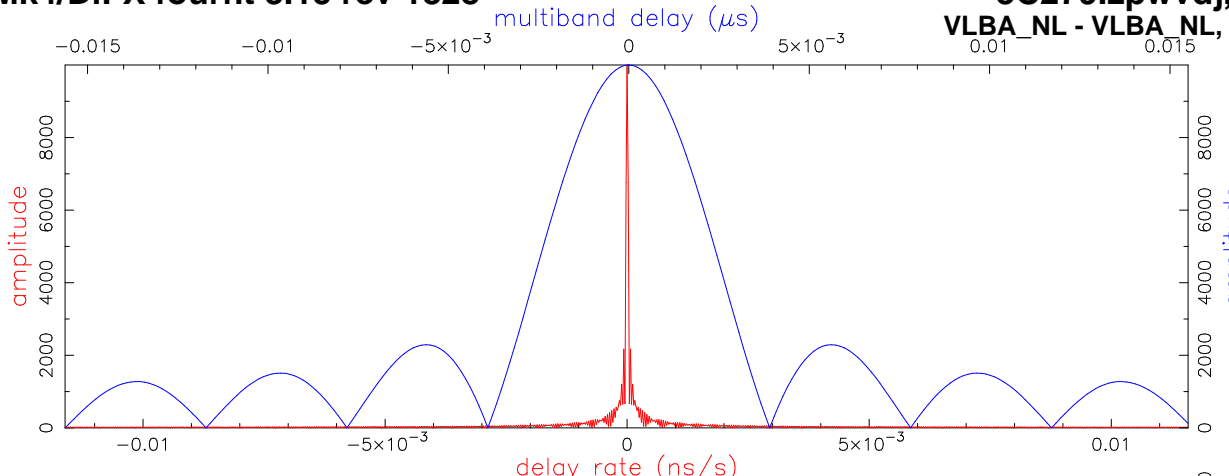


Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec

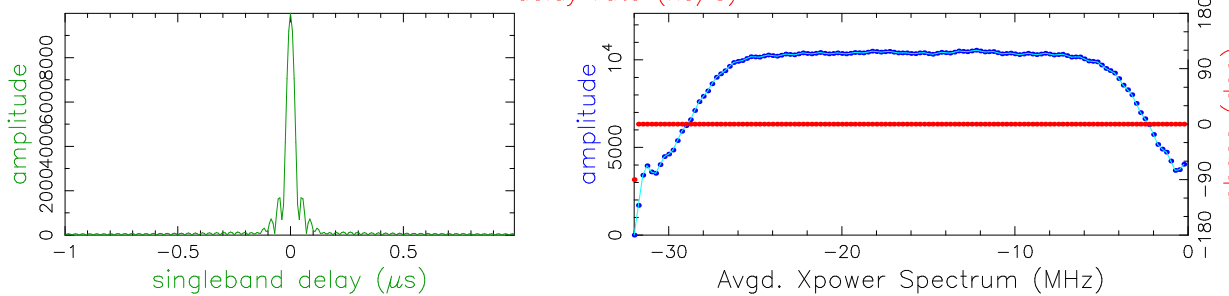


86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
-45.5	-35.9	-42.9	-49.2	-50.1	-49.6	-46.4	-36.0	Phase	-44.9
0.5	0.5	0.7	0.6	0.7	0.6	0.6	0.6	Ampl.	0.6
130.8	130.1	131.9	130.6	131.7	131.0	130.9	131.1	Sbd box	131.0
U/L 0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480	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 W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
n W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
								Tracks	
Group delay (usec)(sbd)	-6.64136437244E+02		Apriori delay (usec)	-6.64167729603E+02		Resid mbdelay (usec)	4.23589E-05	+/-	1.2E-04
Sband delay (usec)	-6.64151820603E+02		Apriori clock (usec)	-9.6462507E+00		Resid sbdelay (usec)	1.59090E-02	+/-	9.7E-04
Phase delay (usec)	-6.64167731050E+02		Apriori clockrate (us/s)	-3.9755959E-07		Resid phdelay (usec)	-1.44744E-06	+/-	2.1E-07
Delay rate (us/s)	3.17508414798E-01		Apriori rate (us/s)	3.17508440256E-01		Resid rate (us/s)	-2.54586E-08	+/-	1.5E-09
Total phase (deg)	-307.0		Apriori accel (us/s/s)	4.42169587751E-06		Resid phase (deg)	-224.9	+/-	6.5

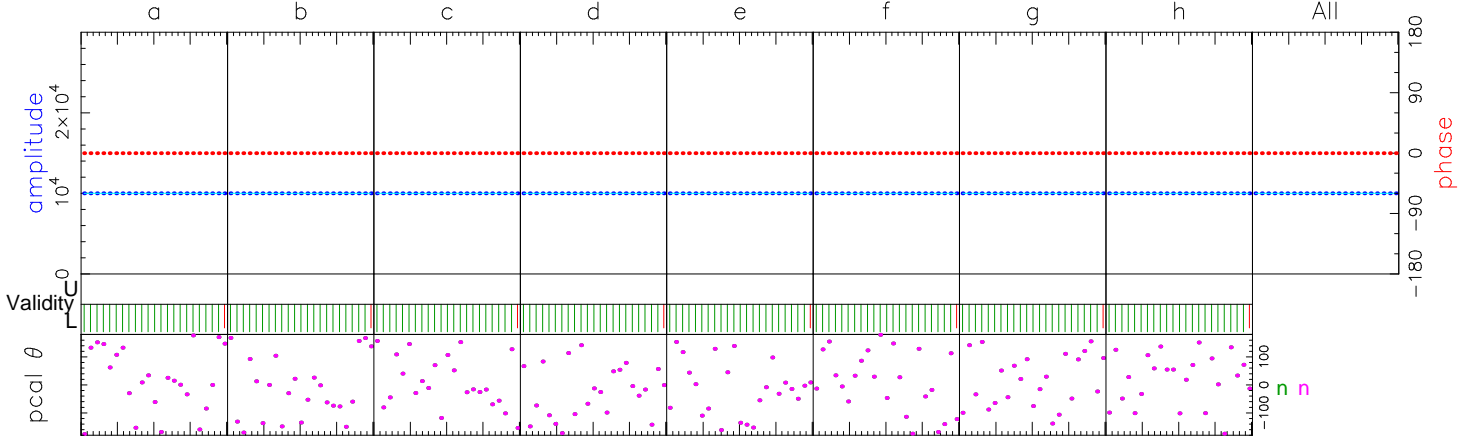
ph/seg (deg) 71.8 15.5 Theor. Amplitude 0.592 +/- 0.033 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 107.6 27.0 Search (1024X32) 0.589 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 6.2 9.1 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 12.7 15.9 Inc. seg. avg. 1.133 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 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 ion window (TEC) 0.00 0.00
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/ln..zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/ln.W.76.zpwwdj simultaneous interpolator



Fringe quality 9
 SNR 299554.8
 Int time 239.987
 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
 2017:215:024608
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"

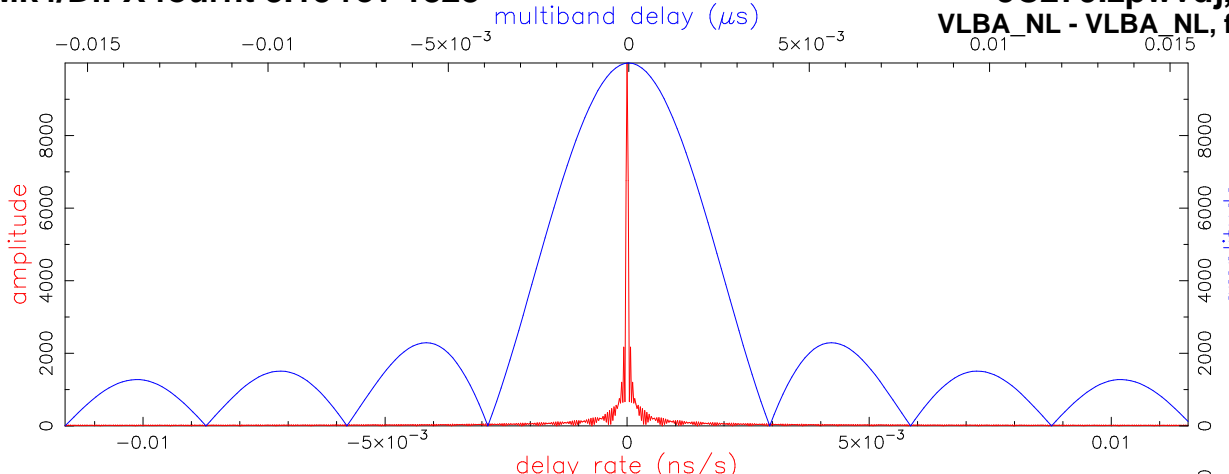


Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec

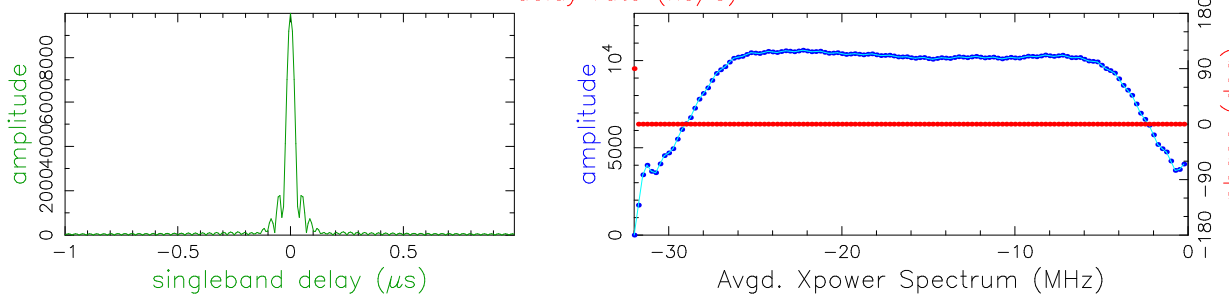


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All	
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480			
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000			
n:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0			
n	1000	1000	1000	1000	1000	1000	1000	1000			
n	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL			
n	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL			
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		+/- 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		+/- 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		+/- 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		+/- 8.9E-14	
Total phase (deg)			0.0							0.0	+/- 0.0
Apriori delay (usec)											
Apriori clock (usec)											
Apriori clockrate (us/s)											
Apriori rate (us/s)											
Apriori accel (us/s/s)											
Resid mbdelay (usec)											
Resid sbdelay (usec)											
Resid phdelay (usec)											
Resid rate (us/s)											
Resid phase (deg)											
Pcal mode: MANUAL, MANUAL											
Pcal rate: 0.000E+00, 0.000E+00 (us/s)											
PCal period (AP's) 5, 5											
sb window (us)											-1.000 1.000
Bits/sample: 2x2											-0.016 0.016
SampCntNorm: enabled											-0.012 0.012
Sample rate(MSamp/s): 64											0.00 0.00
Data rate(Mb/s): 1024											
nlags: 128 t_cohere infinite											
ion window (TEC)											

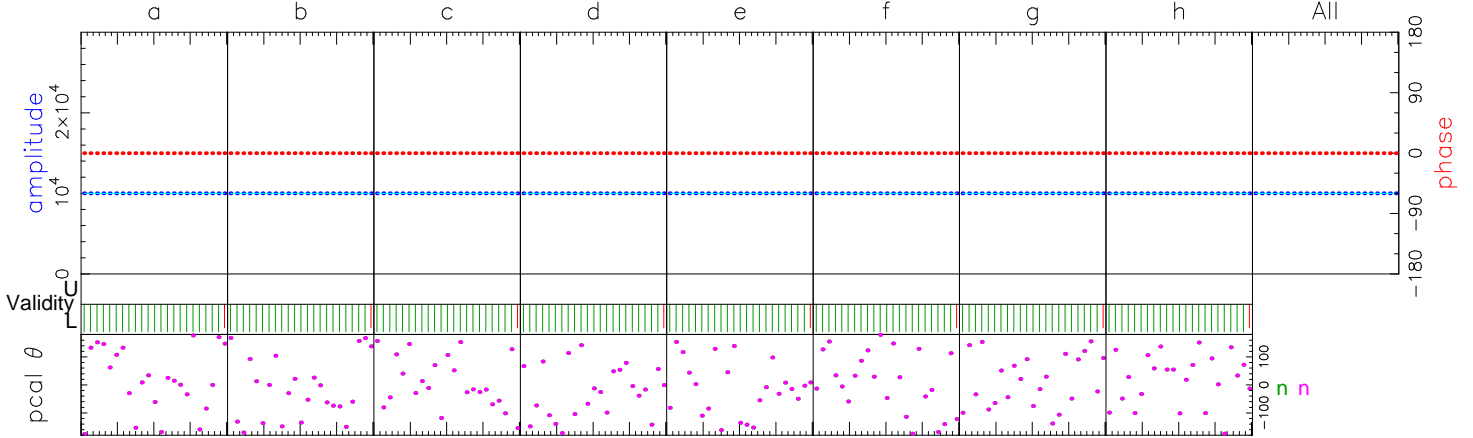
n: az 151.6 el 38.3 pa -20.6 n: az 151.6 el 38.3 pa -20.6 u,v (fr/asec) 0.000 0.000 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/nn.zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/nn.W.129.zpwvdj



Fringe quality 9
SNR 299554.8
Int time 239.987
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
2017:215:024609
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"

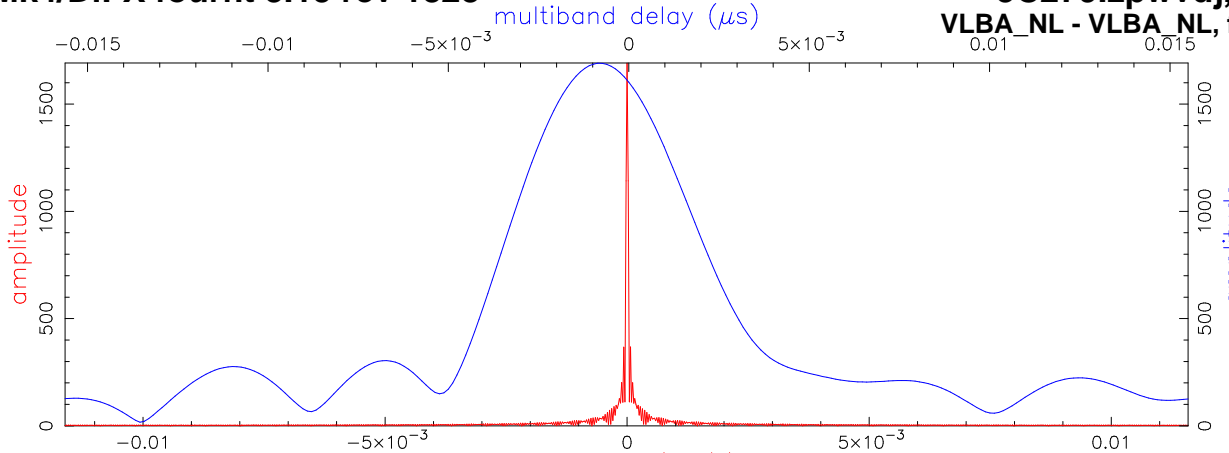


Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec

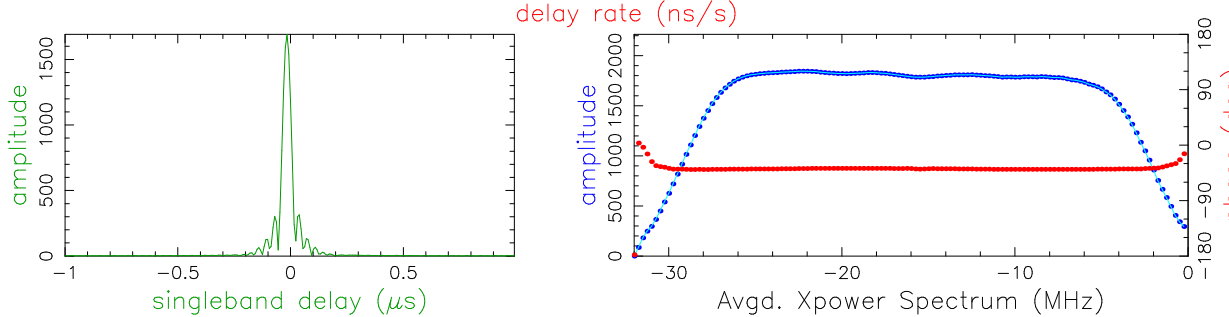


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All	
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480			
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000			
n:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0			
n	1000	1000	1000	1000	1000	1000	1000	1000			
n	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR			
n	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR			
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		+/- 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		+/- 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		+/- 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		+/- 8.9E-14	
Total phase (deg)			0.0							0.0	+/- 0.0

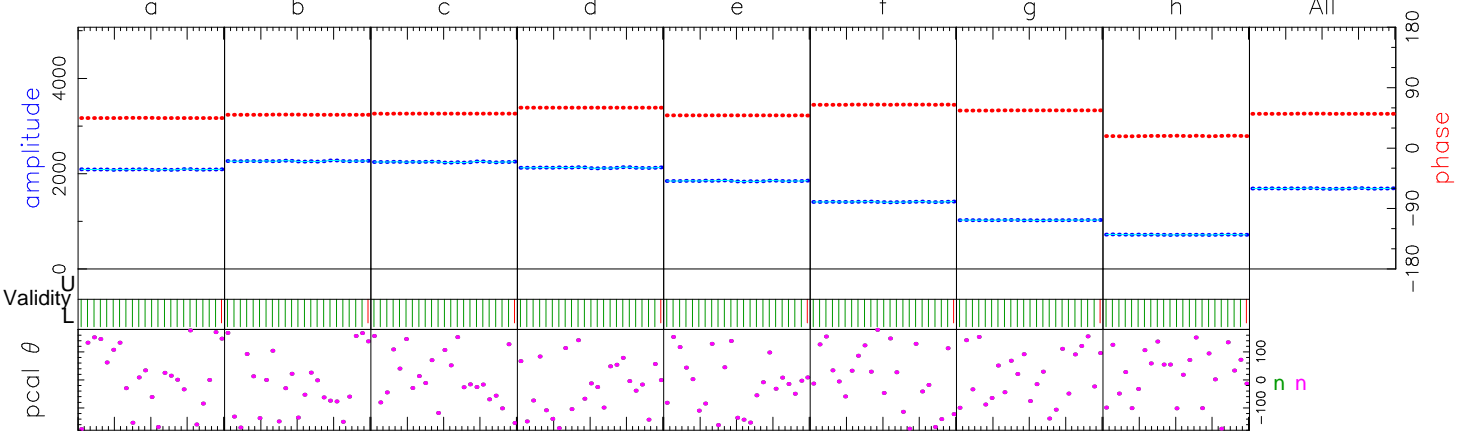
RMS Theor. Amplitude 9999.999 +/- 0.033 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 0.0 0.0 Search (1024X32) 10000.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 amp/seg (%) 0.0 0.0 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 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. 10000.000 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite ion window (TEC) 0.00 0.00



Fringe quality 7
 SNR 50681.6
 Int time 239.987
 Amp 1691.898
 Phase 51.1
 PFD 0.0e+00
 Delays (us)
 SBD -0.016337
 MBD -0.000815
 Fringe rate (Hz) 0.000008
 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
 2017:215:024610
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"

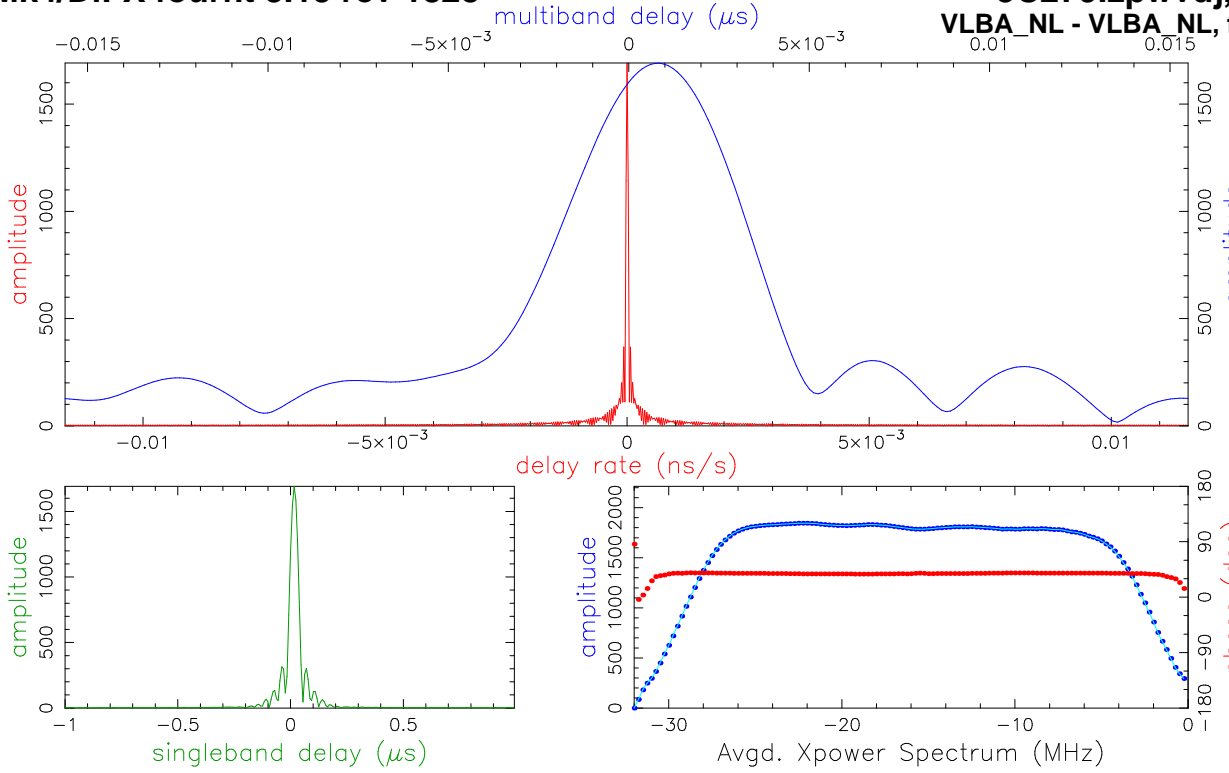


Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec



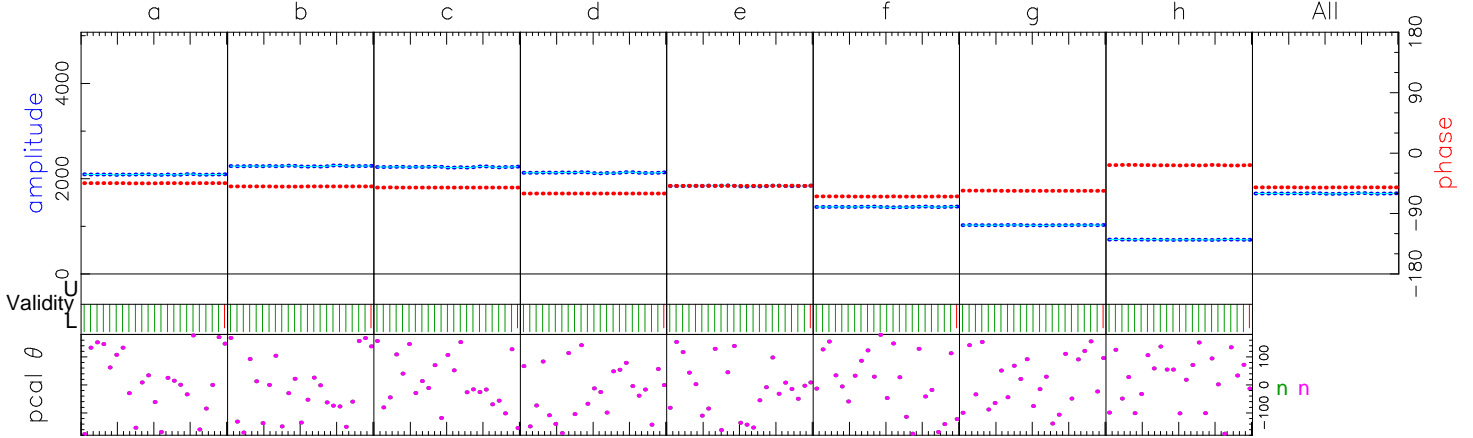
	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480		
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000		
n:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
n	1000	1000	1000	1000	1000	1000	1000	1000		
n	1000	1000	1000	1000	1000	1000	1000	1000		
n	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL		
n	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR		
Group delay (usec)(sbd)		-8.146875000000E-04				0.000000000000E+00			-8.14688E-04	+/- 4.3E-08
Sband delay (usec)		-1.633700000000E-02				0.000000000000E+00			-1.63370E-02	+/- 3.4E-07
Phase delay (usec)		1.64798630037E-06				0.000000000000E+00			1.64799E-06	+/- 7.3E-11
Delay rate (us/s)		9.57743208730E-11				0.000000000000E+00			9.57743E-11	+/- 5.3E-13
Total phase (deg)			51.1						51.1	+/- 0.0
Apriori delay (usec)										
Apriori clock (usec)										
Apriori clockrate (us/s)										
Apriori rate (us/s)										
Apriori accel (us/s/s)										
Resid mbdelay (usec)										
Resid sbdelay (usec)										
Resid phdelay (usec)										
Resid rate (us/s)										
Resid phase (deg)										
Pcal mode:						MANUAL	MANUAL			
Pcal rate:						0.000E+00	0.000E+00			
PCal period (AP's)						5	5			
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			

ph/seg (deg) 0.1 0.0
 amp/seg (%) 0.2 0.0
 ph/frq (deg) 15.4 0.0
 amp/frq (%) 32.9 0.0
 n: az 151.6 el 38.3 pa -20.6
 n: az 151.6 el 38.3 pa -20.6
 u,v (fr/asec) 0.000 0.000
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/nn.zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/nn.W.131.zpwvdj



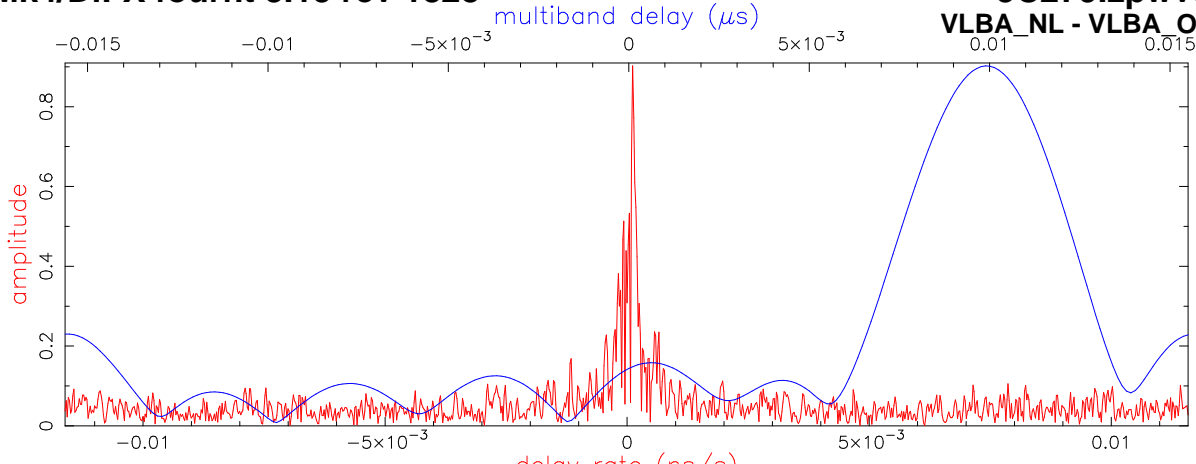
Fringe quality 7
 SNR 50681.6
 Int time 239.987
 Amp 1691.898
 Phase -51.1
 PFD 0.0e+00
 Delays (us)
 SBD 0.016337
 MBD 0.000815
 Fringe rate (Hz)
 -0.000008
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.500
 Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050000.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024611
 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

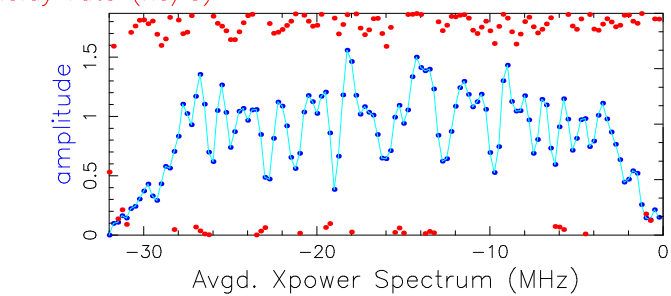
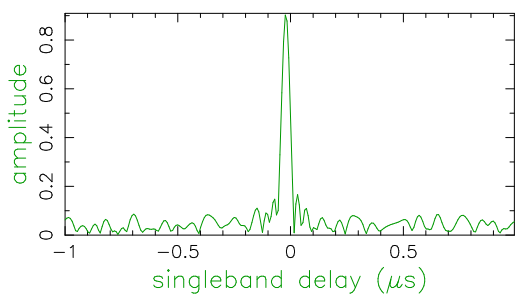


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480		
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000		
n:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
n	1000	1000	1000	1000	1000	1000	1000	1000		
n	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR		
n	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL		
Group delay (usec)(sbd)		8.14687500000E-04				0.00000000000E+00			8.14688E-04	+/- 4.3E-08
Sband delay (usec)		1.63370000000E-02				0.0000000E+00			1.63370E-02	+/- 3.4E-07
Phase delay (usec)		-1.64798630040E-06				0.0000000E+00			-1.64799E-06	+/- 7.3E-11
Delay rate (us/s)		-9.57743208730E-11				0.00000000000E+00			-9.57743E-11	+/- 5.3E-13
Total phase (deg)			-51.1						-51.1	+/- 0.0
Apriori delay (usec)										
Apriori clock (usec)										
Apriori clockrate (us/s)										
Apriori rate (us/s)										
Apriori accel (us/s/s)										
Resid mbdelay (usec)										
Resid sbdelay (usec)										
Resid phdelay (usec)										
Resid rate (us/s)										
Resid phase (deg)										
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								

n: az 151.6 el 38.3 pa -20.6 n: az 151.6 el 38.3 pa -20.6 u,v (fr/asec) 0.000 0.000
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/nn.zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/nn.W.132.zpwvdj

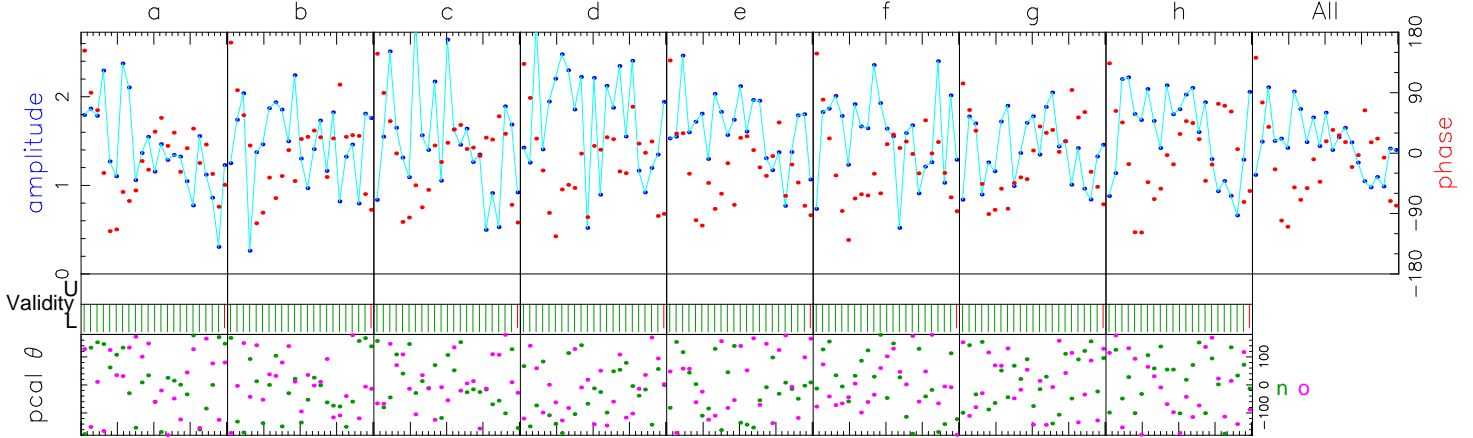


Fringe quality 7
 SNR 27.2
 Int time 239.987
 Amp 0.910
 Phase 166.2
 PFD 0.0e+00
 Delays (us)
 SBD -0.020912
 MBD 0.009939
 Fringe rate (Hz) 0.009974
 Ion TEC 0.000
 Ref freq (MHz) 86140.0000
 AP (sec) 0.500
 Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050000.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024526
 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

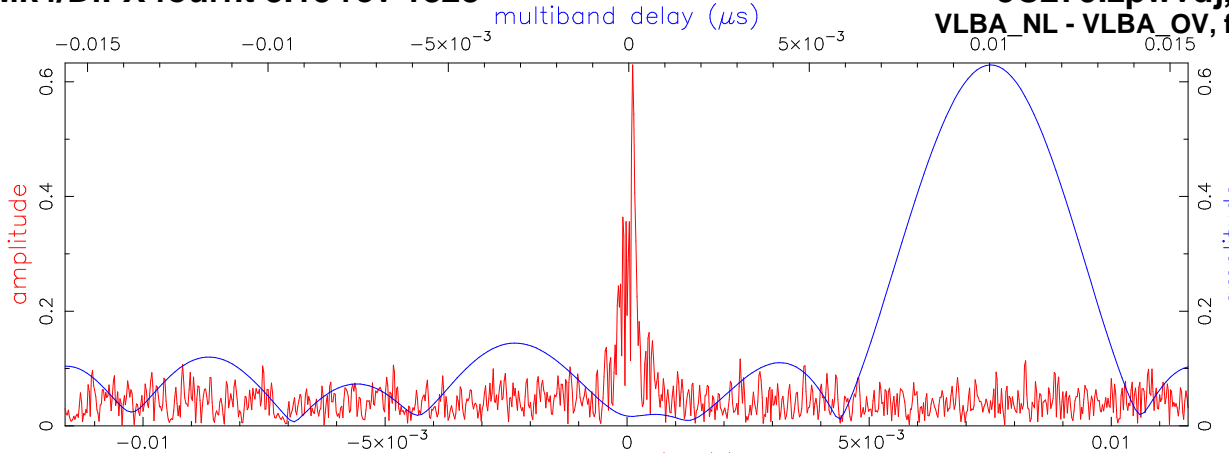


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480		
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000		
o	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000		
n:o	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
n	1000	1000	1000	1000	1000	1000	1000	1000		
o	1000	1000	1000	1000	1000	1000	1000	1000		
n	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL		
o	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL		

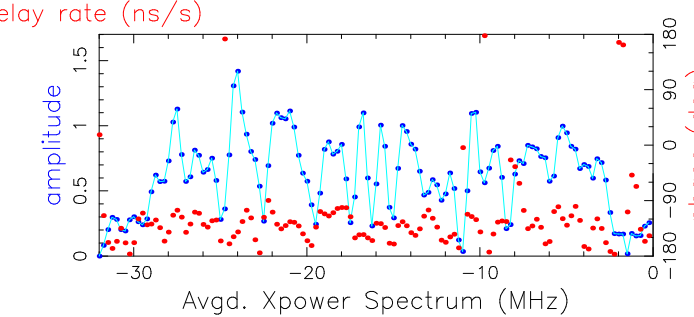
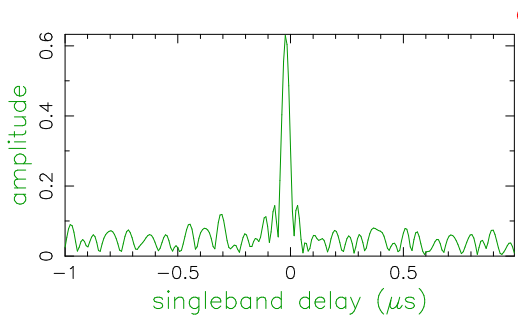
Group delay (usec)(sbd)	3.33888894627E+03	Apriori delay (usec)	3.33891025700E+03	Resid mbdelay (usec)	9.93927E-03	+/-	8.0E-05
Sband delay (usec)	3.33888934500E+03	Apriori clock (usec)	3.1946893E+00	Resid sbdelay (usec)	-2.09120E-02	+/-	6.3E-04
Phase delay (usec)	3.33891025656E+03	Apriori clockrate (us/s)	3.7102605E-08	Resid phdelay (usec)	-4.43487E-07	+/-	1.4E-07
Delay rate (us/s)	-4.94586543685E-01	Apriori rate (us/s)	-4.94586659473E-01	Resid rate (us/s)	1.15788E-07	+/-	9.8E-10
Total phase (deg)	360.0	Apriori accel (us/s/s)	-1.84432760760E-05	Resid phase (deg)	166.2	+/-	4.2

ph/seg (deg)	59.0	Theor.	10.1	Search (1024X32)	0.897	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-1.000	1.000
amp/seg (%)	70.5		17.6	Interp.	0.000	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		mb window (us)	-0.016	0.016
ph/frq (deg)	10.4		5.9	Inc. seg. avg.	1.451	Bits/sample: 2x2	SampCntNorm: enabled	dr window (ns/s)	-0.012	0.012
amp/frq (%)	11.0		10.4	Inc. frq. avg.	0.909	Sample rate(MSamp/s): 64		ion window (TEC)	0.00	0.00
						Data rate(Mb/s): 1024	nlags: 128 t_cohere infinite			

n: az 151.6 el 38.3 pa -20.6 o: az 122.6 el 27.4 pa -42.2 u,v (fr/asec) 2834.452 688.521 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/no.zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/no.W.89.zpwvdj

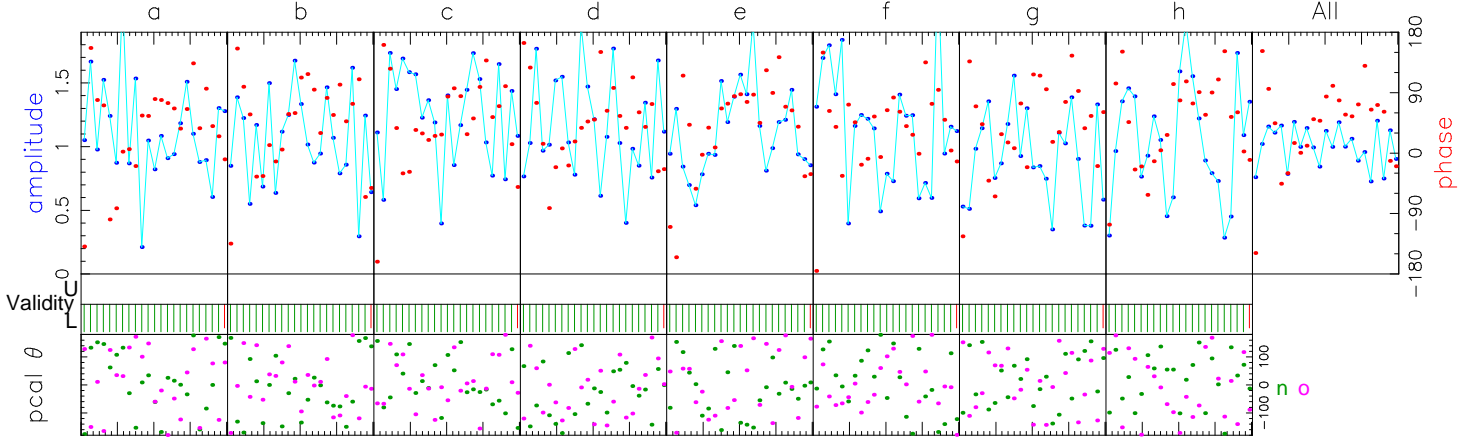


Fringe quality 9
 SNR 19.0
 Int time 239.987
 Amp 0.633
 Phase 231.4
 PFD 0.0e+00
 Delays (us)
 SBD -0.021523
 MBD 0.010034
 Fringe rate (Hz) 0.010150
 Ion TEC 0.000
 Ref freq (MHz) 86140.0000
 AP (sec) 0.500



Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050000.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024527
 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

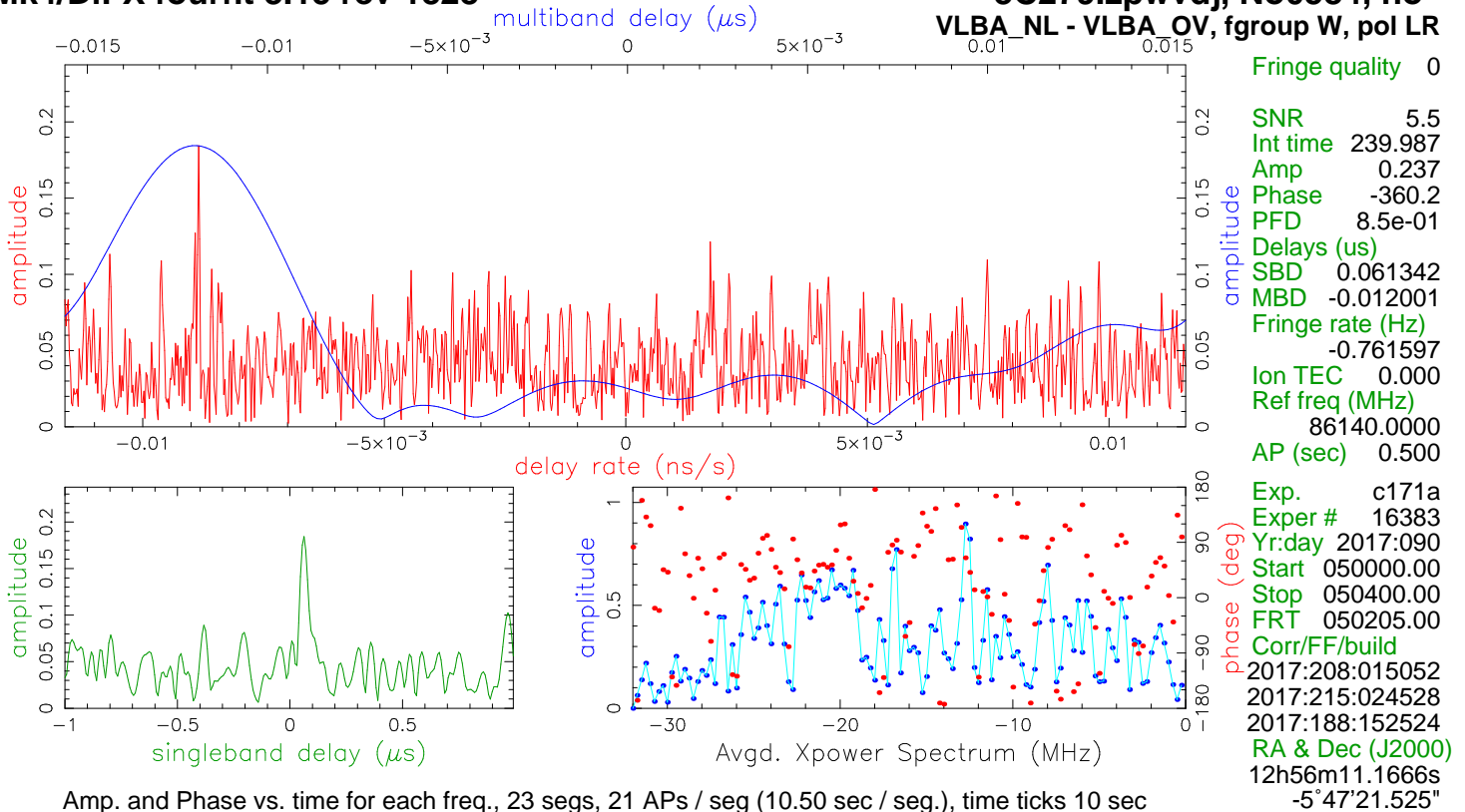


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480		
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	APs used	
o	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
n:o	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
n:o	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
n	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
o	1000	1000	1000	1000	1000	1000	1000	1000		
n	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
o	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	

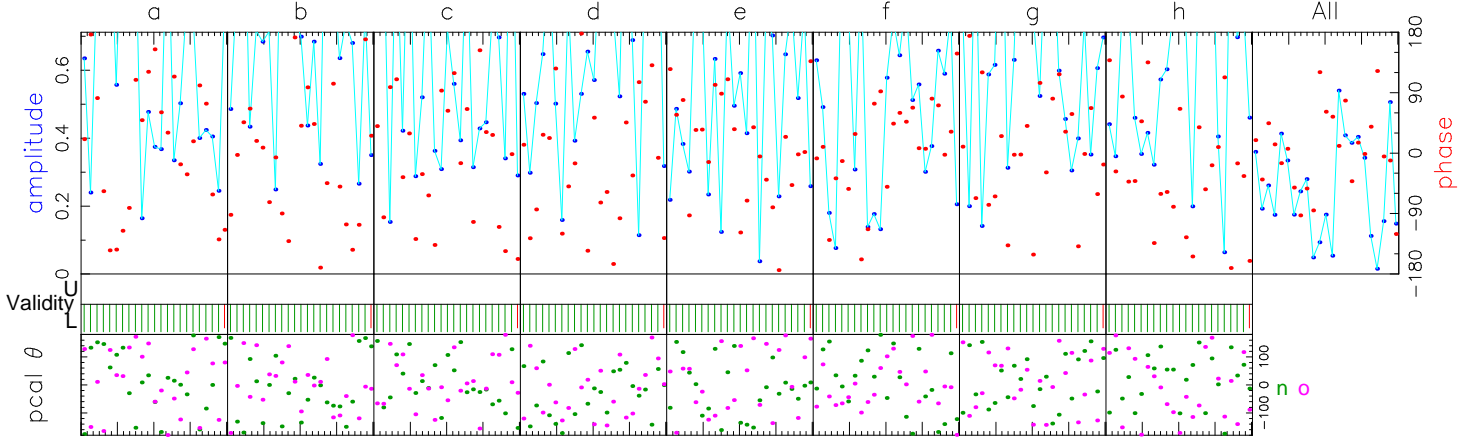
Group delay (usec)(sbd)	3.33888904065E+03	Apriori delay (usec)	3.33891025700E+03	Resid mbdelay (usec)	1.00336E-02	+/-	1.1E-04
Sband delay (usec)	3.33888873400E+03	Apriori clock (usec)	3.1946893E+00	Resid sbdelay (usec)	-2.15230E-02	+/-	9.1E-04
Phase delay (usec)	3.33891025866E+03	Apriori clockrate (us/s)	3.7102605E-08	Resid phdelay (usec)	1.65816E-06	+/-	1.9E-07
Delay rate (us/s)	-4.94586541640E-01	Apriori rate (us/s)	-4.94586659473E-01	Resid rate (us/s)	1.17833E-07	+/-	1.4E-09
Total phase (deg)	425.2	Apriori accel (us/s/s)	-1.84432760760E-05	Resid phase (deg)	231.4	+/-	6.0

ph/seg (deg)	58.8	Theor.	14.5	Amplitude	0.633 +/- 0.033	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5
amp/seg (%)	63.5	Search (1024X32)	0.619	Apriori clock (usec)	0.619	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000
ph/frq (deg)	9.8	Interp.	0.000	Apriori clockrate (us/s)	3.7102605E-08	Bits/sample:	2x2	SampCntNorm:	enabled
amp/frq (%)	13.8	Inc. seg. avg.	0.974	Apriori rate (us/s)	-4.94586659473E-01	Sample rate(MSamp/s):	64	mb window (us)	-0.016 0.016
		Inc. frq. avg.	0.630	Apriori accel (us/s/s)	-1.84432760760E-05	Data rate(Mb/s):	1024	dr window (ns/s)	-0.012 0.012
						nlags:	128	ion window (TEC)	0.00 0.00

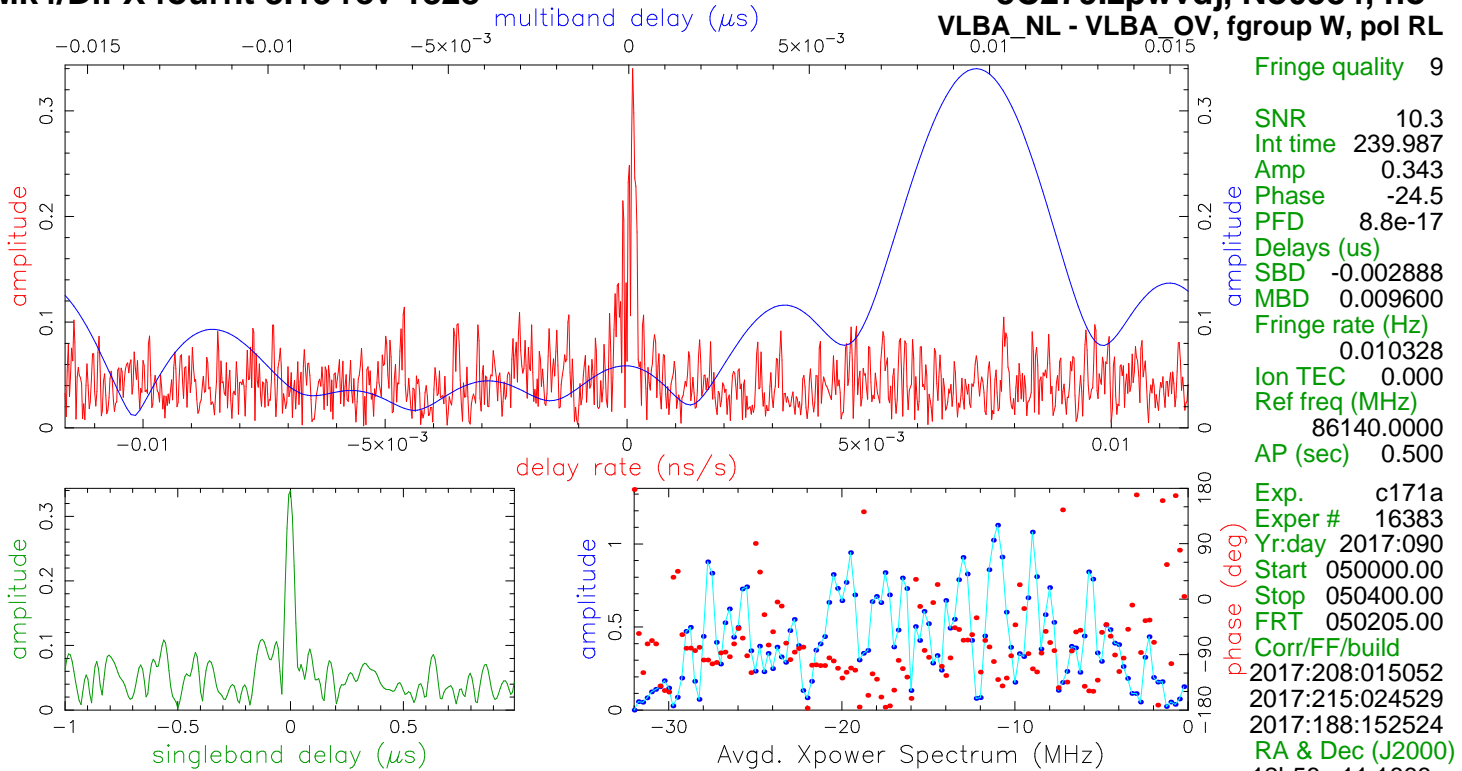
n: az 151.6 el 38.3 pa -20.6 o: az 122.6 el 27.4 pa -42.2 u,v (fr/asec) 2834.452 688.521 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/no.zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/no.W.90.zpwvdj



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

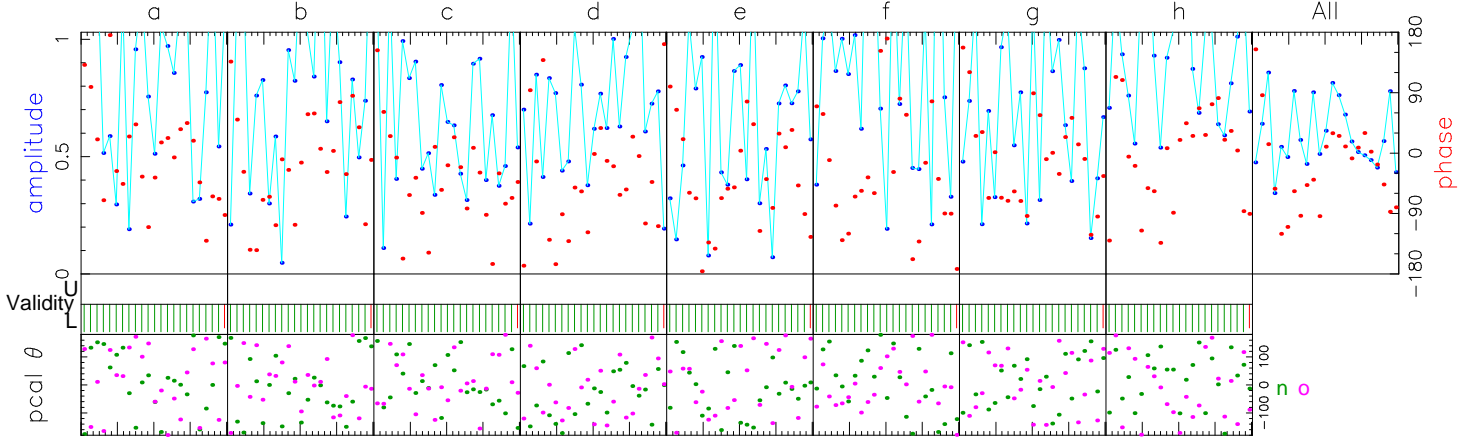


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480		
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	APs used	
o	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
n:o	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
n:o	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
n	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
o	1000	1000	1000	1000	1000	1000	1000	1000		
n	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)		3.33896075643E+03		Apriori delay (usec)		3.33891025700E+03		Resid mbdelay (usec)	-1.20006E-02	+/- 3.9E-04
Sband delay (usec)		3.33897159900E+03		Apriori clock (usec)		3.1946893E+00		Resid sbdelay (usec)	6.13420E-02	+/- 3.1E-03
Phase delay (usec)		3.33891025700E+03		Apriori clockrate (us/s)		3.7102605E-08		Resid phdelay (usec)	-7.72404E-09	+/- 6.7E-07
Delay rate (us/s)		-4.94595500861E-01		Apriori rate (us/s)		-4.94586659473E-01		Resid rate (us/s)	-8.84139E-06	+/- 4.8E-09
Total phase (deg)			-166.5	Apriori accel (us/s/s)		-1.84432760760E-05		Resid phase (deg)	-360.2	+/- 20.7
RMS	60.7	49.7		Search (1024X32)	0.181			PCal mode: MANUAL, MANUAL		
ph/seg (deg)	87.5	86.7		Interp.	0.000			PCal rate: 0.000E+00, 0.000E+00 (us/s)		
amp/seg (%)	23.9	29.3		Inc. seg. avg.	0.237			Bits/sample: 2x2		
ph/frq (deg)	41.1	51.1		Inc. frq. avg.	0.224			SampCntNorm: enabled		
amp/frq (%)								Sample rate(MSamp/s): 64		
								Data rate(Mb/s): 1024		
								nlags: 128 t_cohere infinite		
n: az 151.6 el 38.3 pa -20.6				o: az 122.6 el 27.4 pa -42.2				u,v (fr/asec) 2834.452 688.521		
Control file: ../cf_1234				Input file: /Exps/c171a/gmva/1234/No0584/no.zpwvdj				Output file: /Exps/c171a/gmva/1234/No0584/no.W.91.zpwvdj		simultaneous interpolator



Fringe quality 9
 SNR 10.3
 Int time 239.987
 Amp 0.343
 Phase -24.5
 PFD 8.8e-17
 Delays (us)
 SBD -0.002888
 MBD 0.009600
 Fringe rate (Hz) 0.010328
 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
 2017:215:024529
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"

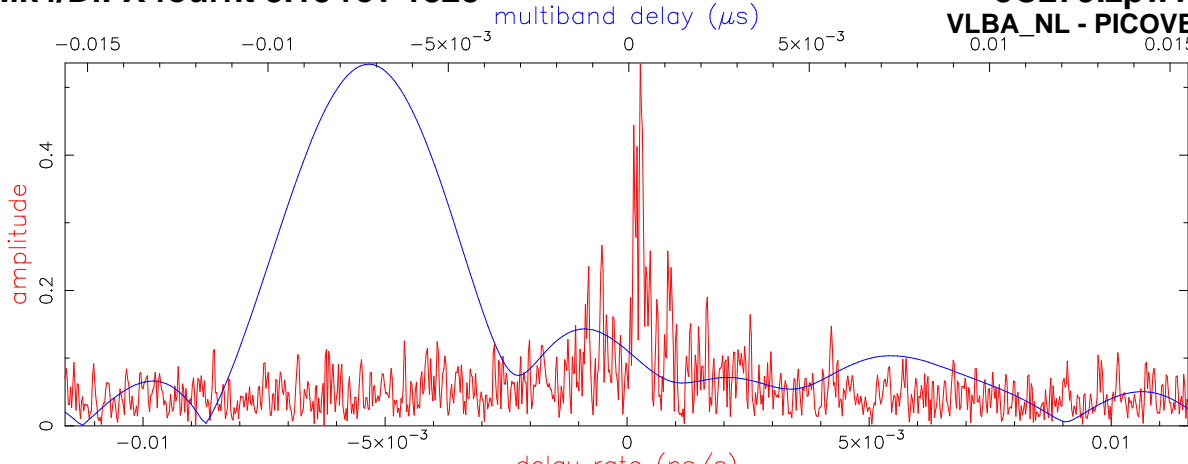
Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec



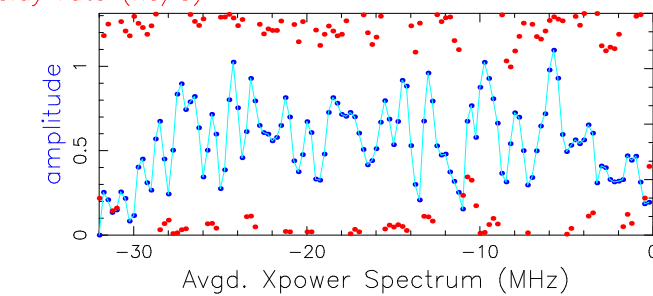
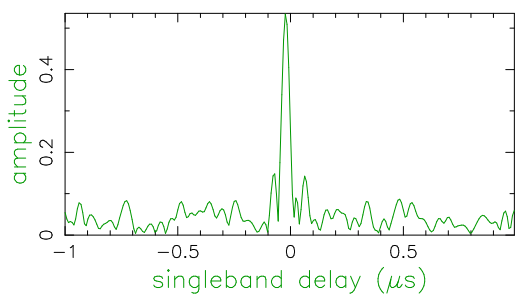
	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	-9.0	-5.0	-46.7	-49.4	-40.8	-48.1	-12.7	3.3	Phase	-24.5
	0.4	0.4	0.3	0.4	0.3	0.4	0.4	0.4	Ampl.	0.4
	128.6	128.8	120.8	128.8	111.8	129.2	128.3	128.7	Sbd box	128.6
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480	APs used	
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
o	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
n:o	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
n:o	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
n	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
o	1000	1000	1000	1000	1000	1000	1000	1000		
n	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
o	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
									Tracks	
Group delay (usec)(sbd)	3.33891985702E+03		Apriori delay (usec)		3.33891025700E+03		Resid mbdelay (usec)		9.60002E-03	+/- 2.1E-04
Sband delay (usec)	3.33890736850E+03		Apriori clock (usec)		3.1946893E+00		Resid sbdelay (usec)		-2.88850E-03	+/- 1.7E-03
Phase delay (usec)	3.33891025621E+03		Apriori clockrate (us/s)		3.7102605E-08		Resid phdelay (usec)		-7.89387E-07	+/- 3.6E-07
Delay rate (us/s)	-4.94586539578E-01		Apriori rate (us/s)		-4.94586659473E-01		Resid rate (us/s)		1.19895E-07	+/- 2.6E-09
Total phase (deg)	169.3		Apriori accel (us/s/s)		-1.84432760760E-05		Resid phase (deg)		-24.5	+/- 11.1

RMS Theor. Amplitude 0.343 +/- 0.033 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 64.2 26.7 Search (1024X32) 0.332 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 amp/seg (%) 83.3 46.6 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 ph/frq (deg) 24.0 15.8 Inc. seg. avg. 0.536 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 (%) 15.1 27.5 Inc. frq. avg. 0.350 ion window (TEC) 0.00 0.00

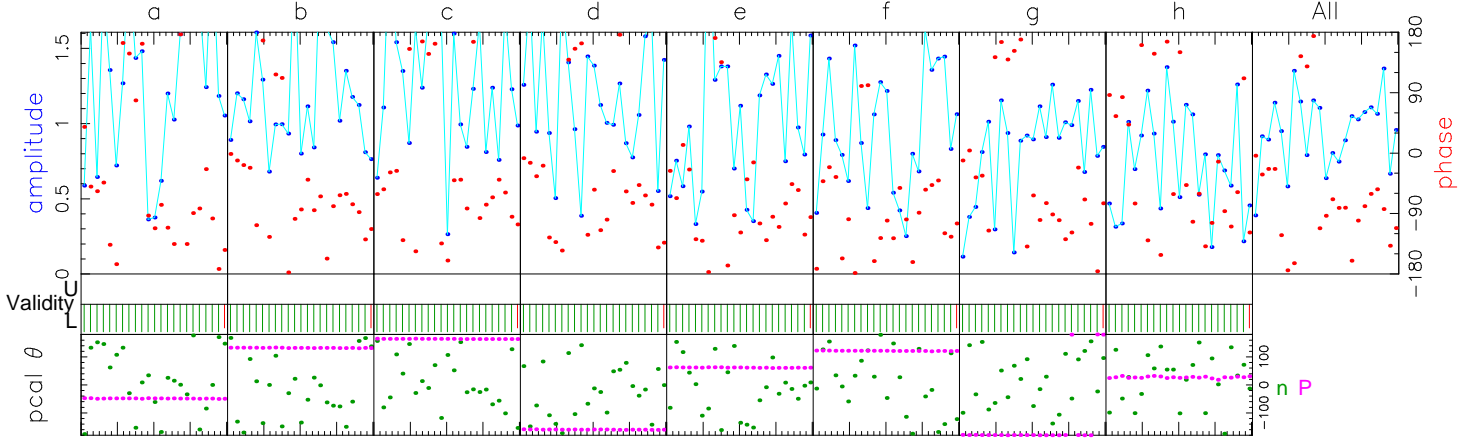
n: az 151.6 el 38.3 pa -20.6 o: az 122.6 el 27.4 pa -42.2 u,v (fr/asec) 2834.452 688.521 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/no.zpvdj Output file: /Exps/c171a/gmva/1234/No0584/no.W.92.zpvdj



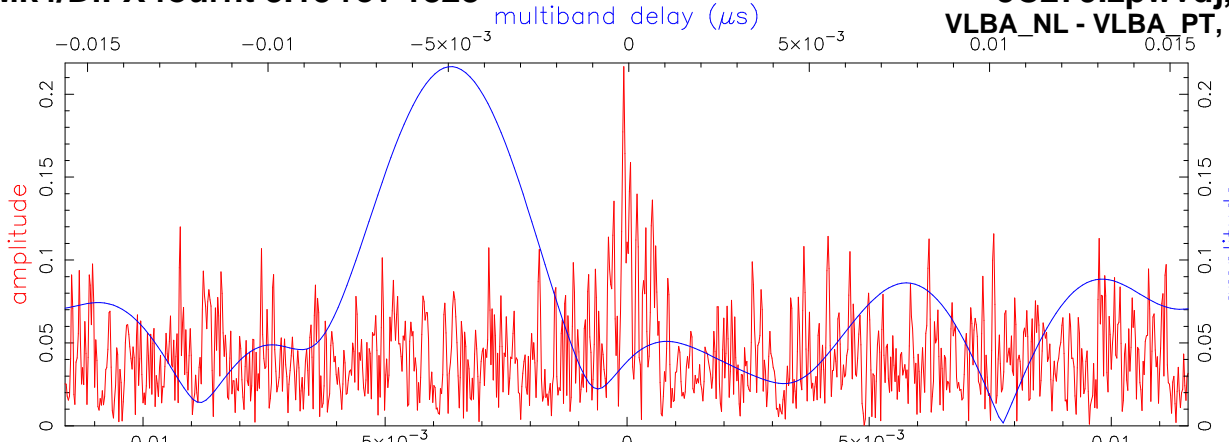
Fringe quality 9
SNR 16.0
Int time 239.675
Amp 0.536
Phase -100.8
PFD 0.0e+00
Delays (us)
SBD -0.021704
MBD -0.007201
Fringe rate (Hz) 0.022704
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.500
Exp. c171a
Exper # 16383
Yr:day 2017:090
Start 050000.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052
2017:215:024537
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"



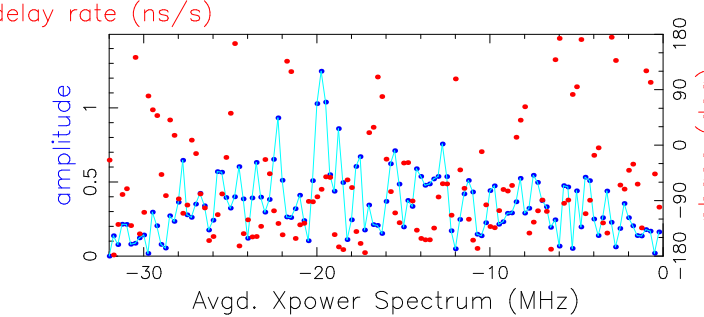
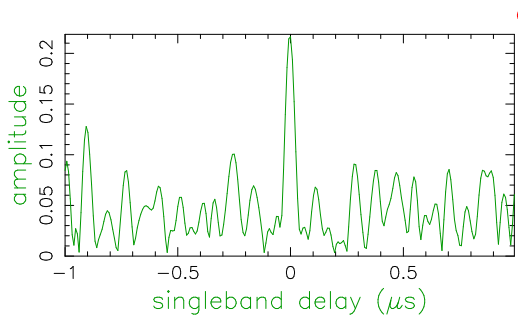
Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec



	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All	
	-121.0	-84.9	-98.7	-85.9	-110.0	-97.2	-106.3	-108.6	Phase	-100.8	
	0.6	0.7	0.6	0.6	0.6	0.5	0.5	0.2	Ampl.	0.5	
	126.1	126.4	126.0	126.2	126.5	125.8	126.5	220.7	Sbd box	126.2	
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480	APs used		
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs		
P	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs		
n:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase		
n:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC		
n	1000	1000	1000	1000	1000	1000	1000	1000	PC amp		
P	1000	1000	1000	1000	1000	1000	1000	1000			
n	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids		
P	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks		
									Tracks		
Group delay (usec)(sbd)	7.85746957729E+03		Apriori delay (usec)		7.85747677860E+03		Resid mbdelay (usec)		-7.20131E-03	+/- 1.4E-04	
Sband delay (usec)	7.85745507510E+03		Apriori clock (usec)		4.9550796E+00		Resid sbdelay (usec)		-2.17035E-02	+/- 1.1E-03	
Phase delay (usec)	7.85747677535E+03		Apriori clockrate (us/s)		-2.2505348E-07		Resid phdelay (usec)		-3.24902E-06	+/- 2.3E-07	
Delay rate (us/s)	1.55580653868E+00		Apriori rate (us/s)		1.55580627511E+00		Resid rate (us/s)		2.63574E-07	+/- 1.7E-09	
Total phase (deg)	154.2		Apriori accel (us/s/s)		-4.24842202692E-05		Resid phase (deg)		-100.8	+/- 7.1	
RMS	Theor.	Amplitude	0.536 +/- 0.033		Pcal mode: MANUAL, MANUAL		PC period (AP's) 5, 5		sb window (us)	-1.000	1.000
ph/seg (deg)	61.0	17.1	Search (1024X32)		0.506		Pcal rate: 0.000E+00, 0.000E+00 (us/s)		mb window (us)	-0.016	0.016
amp/seg (%)	88.7	29.9	Interp.		0.000		Bits/sample: 2x2		SampCntNorm: enabled	-0.012	0.012
ph/frq (deg)	13.4	10.1	Inc. seg. avg.		0.908		Sample rate(MSamp/s): 64		dr window (ns/s)	-0.012	0.012
amp/frq (%)	24.0	17.6	Inc. frq. avg.		0.538		Data rate(Mb/s): 1024		ion window (TEC)	0.00	0.00
n: az 151.6 el 38.3 pa -20.6	P: az 250.4 el 15.1 pa 49.1		u,v (fr/asec) -8986.779 896.167				nlags: 128 t_cohere infinite		simultaneous interpolator		

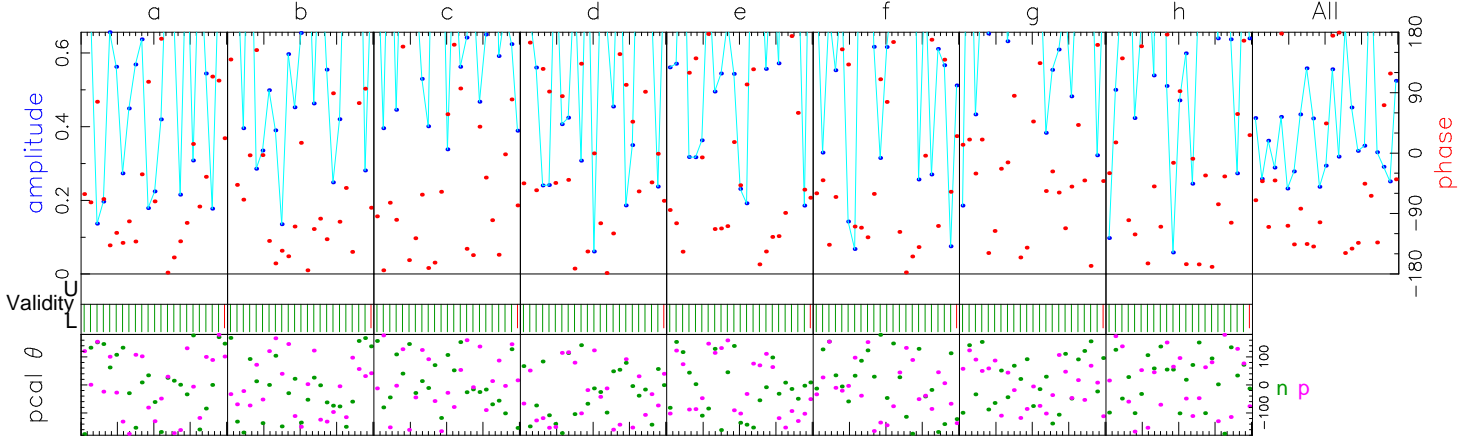


Fringe quality 0
SNR 6.6
Int time 239.987
Amp 0.219
Phase -114.7
PFD 3.9e-03
Delays (us)
SBD -0.003204
MBD -0.004885
Fringe rate (Hz)
-0.006650
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.500



Exp. c171a
Exper # 16383
Yr:day 2017:090
Start 050000.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052
2017:215:024530
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

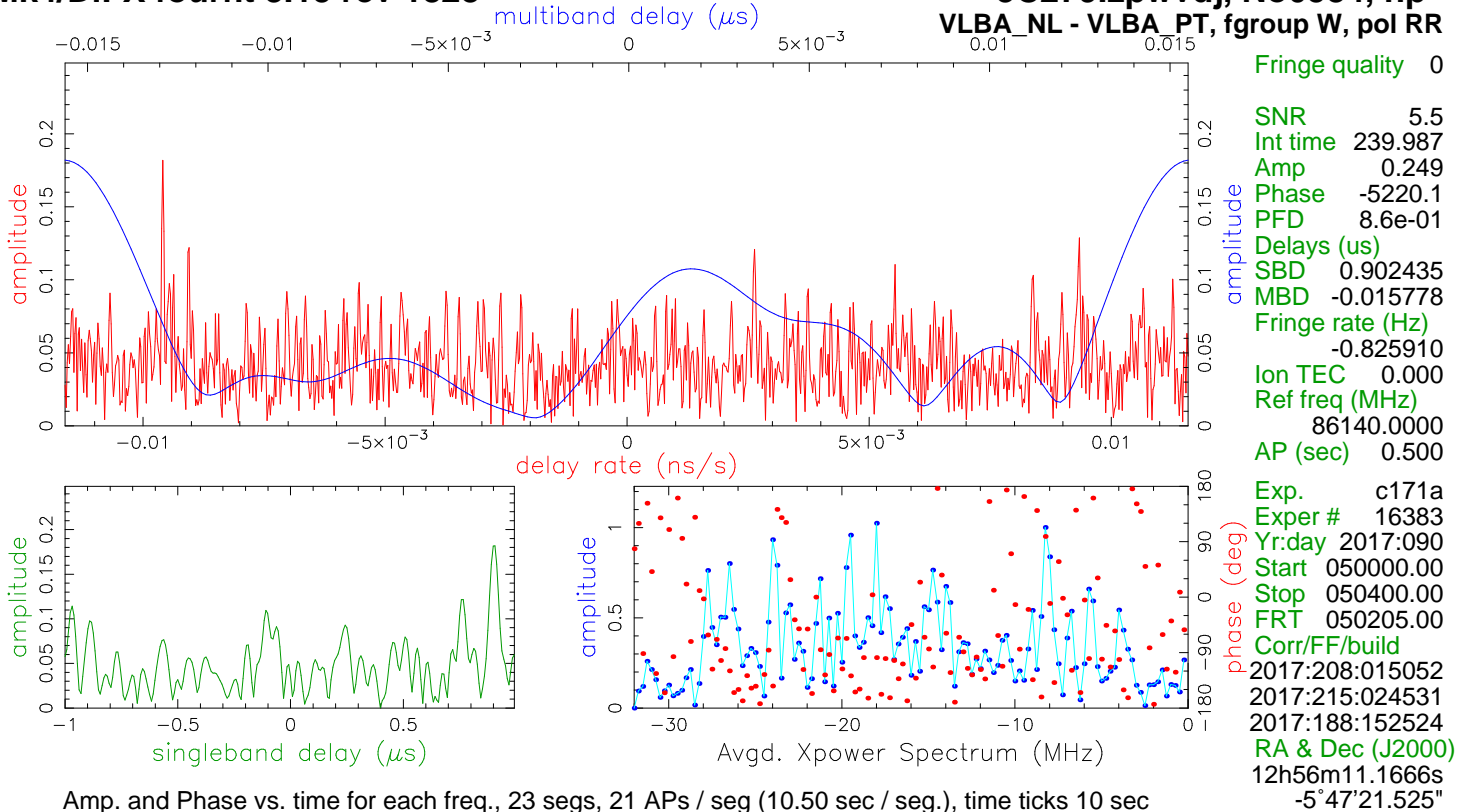


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480		
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000		
p	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000		
n:p	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
n:p	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
n	1000	1000	1000	1000	1000	1000	1000	1000		
p	1000	1000	1000	1000	1000	1000	1000	1000		
n	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL		
p	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL		

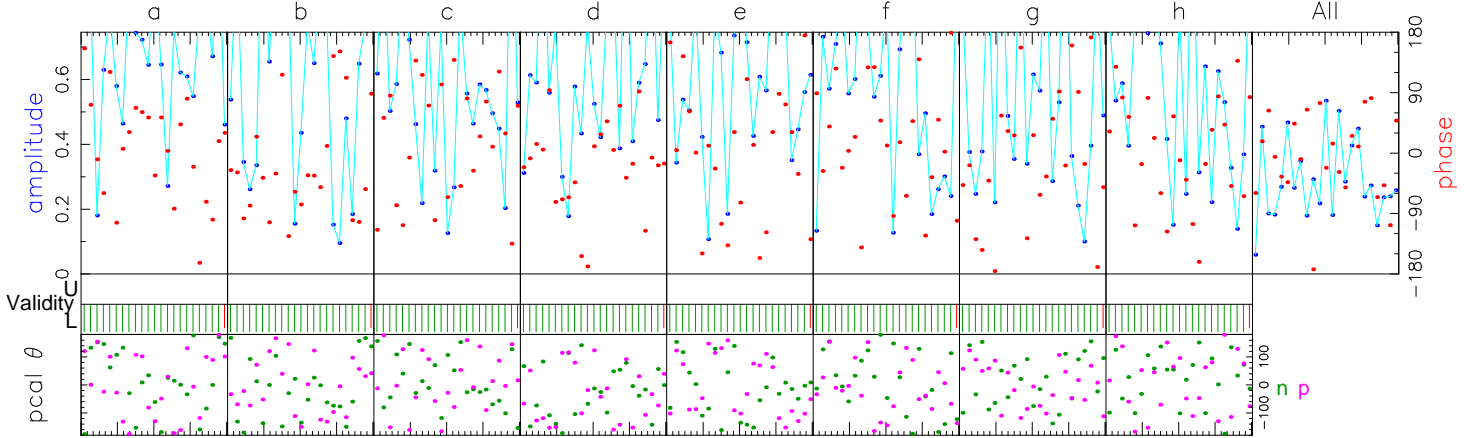
Group delay (usec)(sbd)	7.05401871125E+02	Apriori delay (usec)	7.05406755861E+02	Resid mbdelay (usec)	-4.88474E-03	+/-	3.3E-04
Sband delay (usec)	7.05403552361E+02	Apriori clock (usec)	2.9975812E+00	Resid sbdelay (usec)	-3.20350E-03	+/-	2.6E-03
Phase delay (usec)	7.05406752161E+02	Apriori clockrate (us/s)	3.0411803E-08	Resid phdelay (usec)	-3.69922E-06	+/-	5.6E-07
Delay rate (us/s)	-3.64253483247E-01	Apriori rate (us/s)	-3.64253406048E-01	Resid rate (us/s)	-7.71985E-08	+/-	4.1E-09
Total phase (deg)	227.2	Apriori accel (us/s/s)	-4.91944076746E-06	Resid phase (deg)	-114.7	+/-	17.5

ph/seg (deg)	71.2	Theor.	41.9	Amplitude	0.219 +/- 0.033	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5
amp/seg (%)	107.7	Search (1024X32)	0.207	Interp.	0.000	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000
ph/frq (deg)	36.6	Inc. seg. avg.	0.314	Bits/sample:	2x2	SampCntNorm:	enabled	mb window (us)	-0.016 0.016
amp/frq (%)	33.3	Inc. frq. avg.	0.223	Sample rate(MSamp/s):	64	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

n: az 151.6 el 38.3 pa -20.6 p: az 130.1 el 35.7 pa -39.2 u,v (fr/asec) 2093.919 943.487 simultaneous interpolator
Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/np.zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/np.W.93.zpwvdj



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

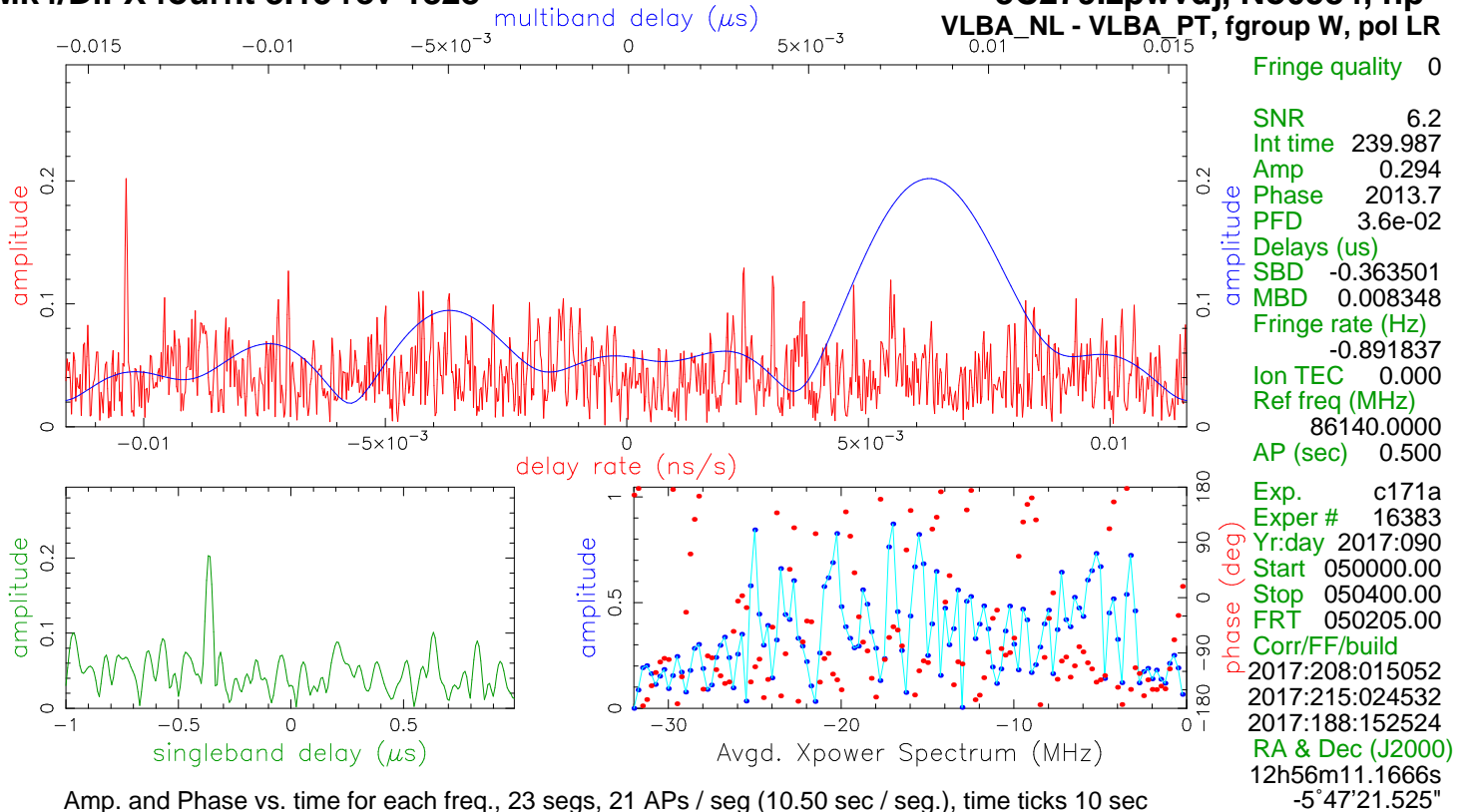


86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
21.1	-39.3	40.8	-9.2	41.2	13.4	-15.6	7.2	Phase	-0.1
0.3	0.4	0.1	0.5	0.1	0.2	0.2	0.3	Ampl.	0.2
73.3	242.2	5.8	245.1	120.9	130.0	163.8	221.7	Sbd box	244.5
U/L 0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480	APs used	
n -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
p -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
n:p 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
n:p 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
n 1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
p 1000	1000	1000	1000	1000	1000	1000	1000		
n 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)	7.06297227486E+02		Apriori delay (usec)	7.05406755861E+02		Resid mbdelay (usec)	-1.57784E-02	+/-	3.9E-04
Sband delay (usec)	7.06309190861E+02		Apriori clock (usec)	2.9975812E+00		Resid sbdelay (usec)	9.02435E-01	+/-	3.1E-03
Phase delay (usec)	7.05406755857E+02		Apriori clockrate (us/s)	3.0411803E-08		Resid phdelay (usec)	-3.34389E-09	+/-	6.7E-07
Delay rate (us/s)	-3.64262994046E-01		Apriori rate (us/s)	-3.64253406048E-01		Resid rate (us/s)	-9.58800E-06	+/-	4.8E-09
Total phase (deg)		-4878.2	Apriori accel (us/s/s)	-4.91944076746E-06		Resid phase (deg)	-5220.1	+/-	20.7

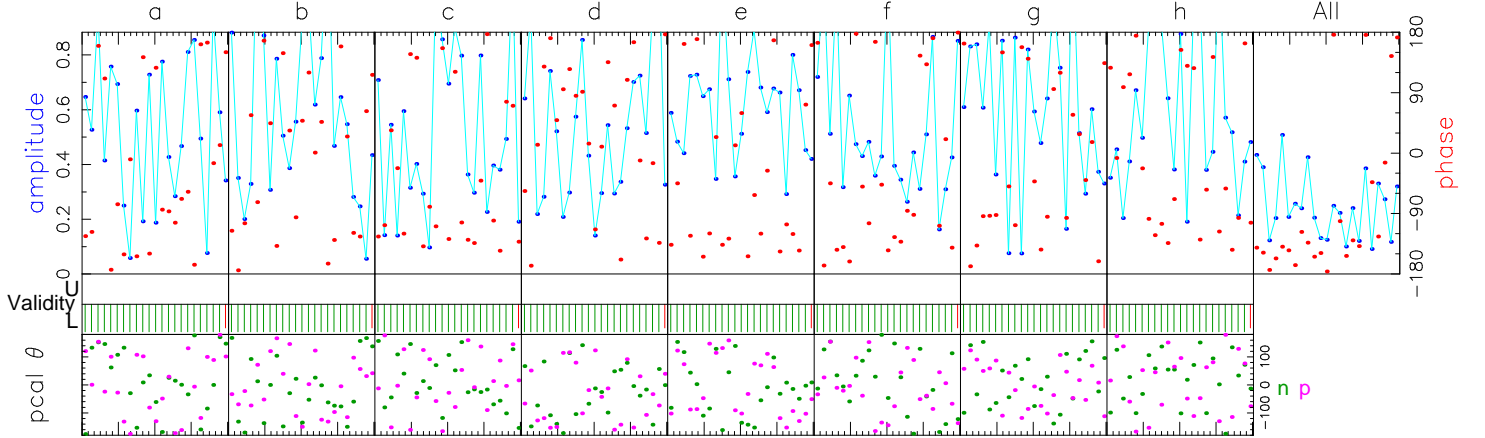
ph/seg (deg)	62.8	Theor. 49.7	Amplitude Search (1024X32)	0.249 +/- 0.045	0.179	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-1.000	1.000
amp/seg (%)	87.3	86.8	Interp.	0.000	0.000	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		mb window (us)	-0.016	0.016
ph/frq (deg)	31.4	29.3	Inc. seg. avg.	0.284	0.284	Bits/sample: 2x2	SampCntNorm: enabled	dr window (ns/s)	-0.012	0.012
amp/frq (%)	49.3	51.2	Inc. frq. avg.	0.238	0.238	Sample rate(MSamp/s): 64		ion window (TEC)	0.00	0.00
						Data rate(Mb/s): 1024	nlags: 128 t_cohere infinite			

n: az 151.6 el 38.3 pa -20.6 p: az 130.1 el 35.7 pa -39.2 u,v (fr/asec) 2093.919 943.487 simultaneous interpolator

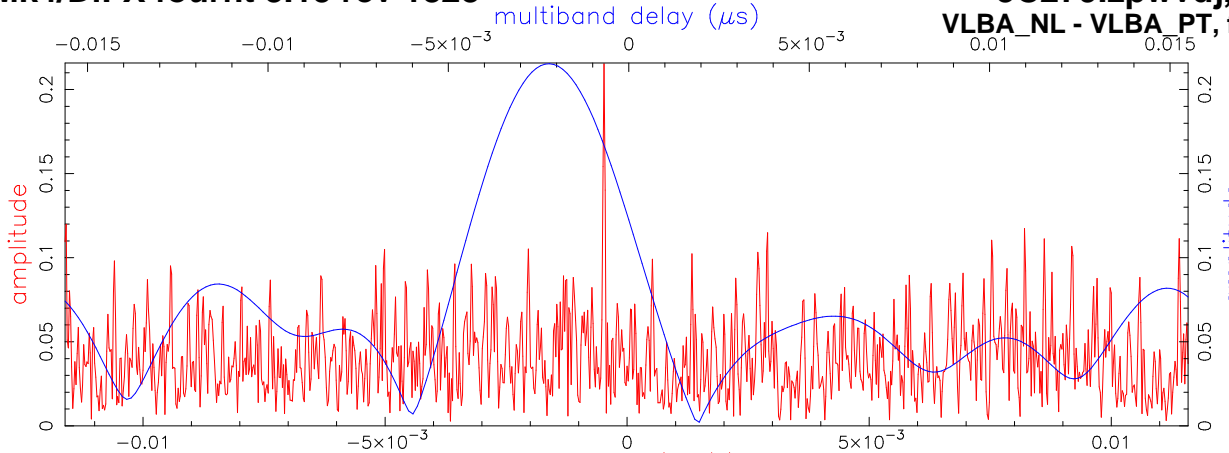
Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/np.zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/np.W.94.zpwvdj



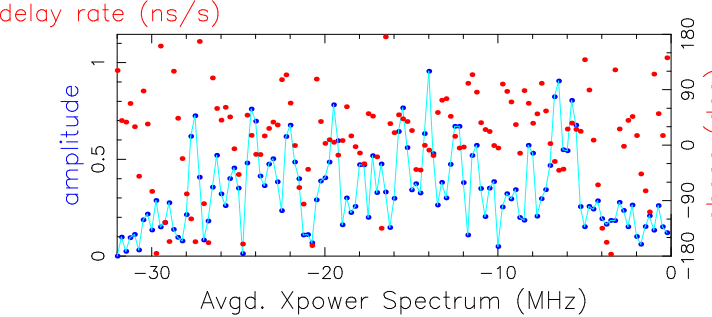
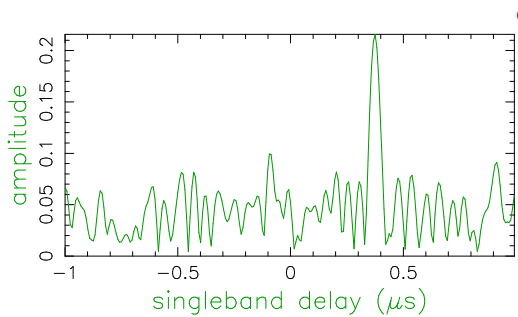
Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec



86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All	
-128.5	-171.3	-144.9	137.3	-133.5	-150.7	-164.1	-135.4	Phase	-146.3	
0.3	0.2	0.2	0.1	0.5	0.2	0.2	0.4	Ampl.	0.3	
61.6	180.8	54.2	229.2	83.3	82.0	54.6	102.9	Sbd box	82.5	
U/L 0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480	APs used		
n -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs		
p -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs		
n:p 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase		
n:p 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC		
n 1000	1000	1000	1000	1000	1000	1000	1000	PC amp		
p 1000	1000	1000	1000	1000	1000	1000	1000			
n 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)	7.05040104270E+02	Apriori delay (usec)	7.05406755861E+02	Resid mbdelay (usec)	8.34841E-03	+/-	3.5E-04			
Sband delay (usec)	7.05043254861E+02	Apriori clock (usec)	2.9975812E+00	Resid sbdelay (usec)	-3.63501E-01	+/-	2.8E-03			
Phase delay (usec)	7.05406751141E+02	Apriori clockrate (us/s)	3.0411803E-08	Resid phdelay (usec)	-4.71912E-06	+/-	6.0E-07			
Delay rate (us/s)	-3.64263759389E-01	Apriori rate (us/s)	-3.64253406048E-01	Resid rate (us/s)	-1.03533E-05	+/-	4.3E-09			
Total phase (deg)	2355.6	Apriori accel (us/s/s)	-4.91944076746E-06	Resid phase (deg)	2013.7	+/-	18.5			
RMS	Theor.	Amplitude	0.294 +/- 0.047	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5			
ph/seg (deg)	43.6	44.3	Search (1024X32)	0.194	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000	1.000	
amp/seg (%)	60.0	77.3	Interp.	0.000	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.016	0.016
ph/frq (deg)	35.1	26.1	Inc. seg. avg.	0.271	Sample rate(MSamp/s):	64	ion window (ns/s)	-0.012	0.012	
amp/frq (%)	47.9	45.6	Inc. frq. avg.	0.279	Data rate(Mb/s):	1024	nlags: 128 t_cohere infinite	ion window (TEC)	0.00	0.00

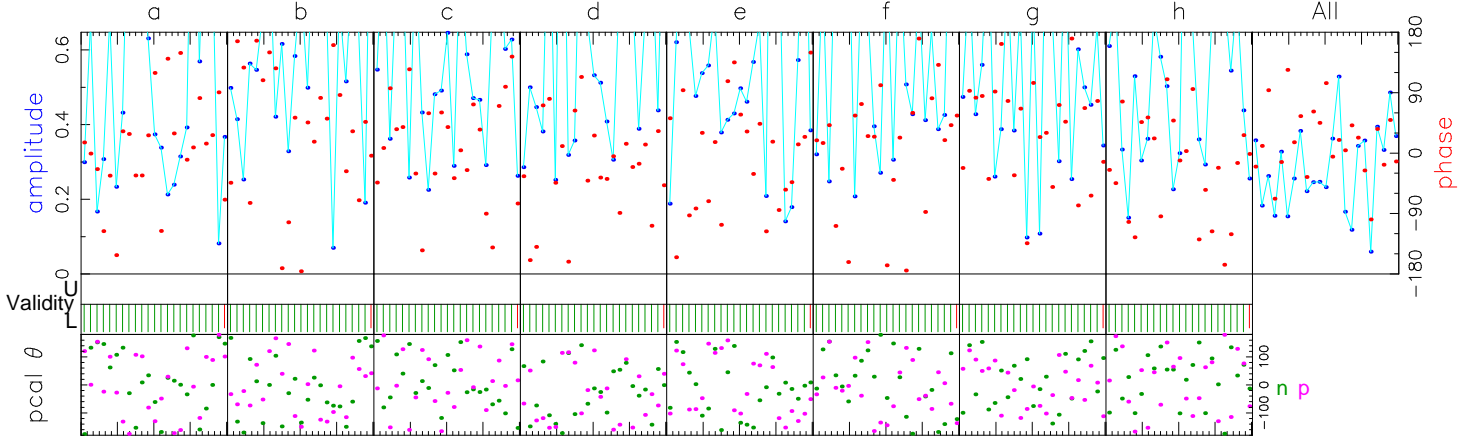


Fringe quality 0
 SNR 6.5
 Int time 239.987
 Amp 0.216
 Phase -2141.8
 PFD 7.2e-03
 Delays (us)
 SBD 0.373585
 MBD -0.002200
 Fringe rate (Hz)
 -0.040722
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.500



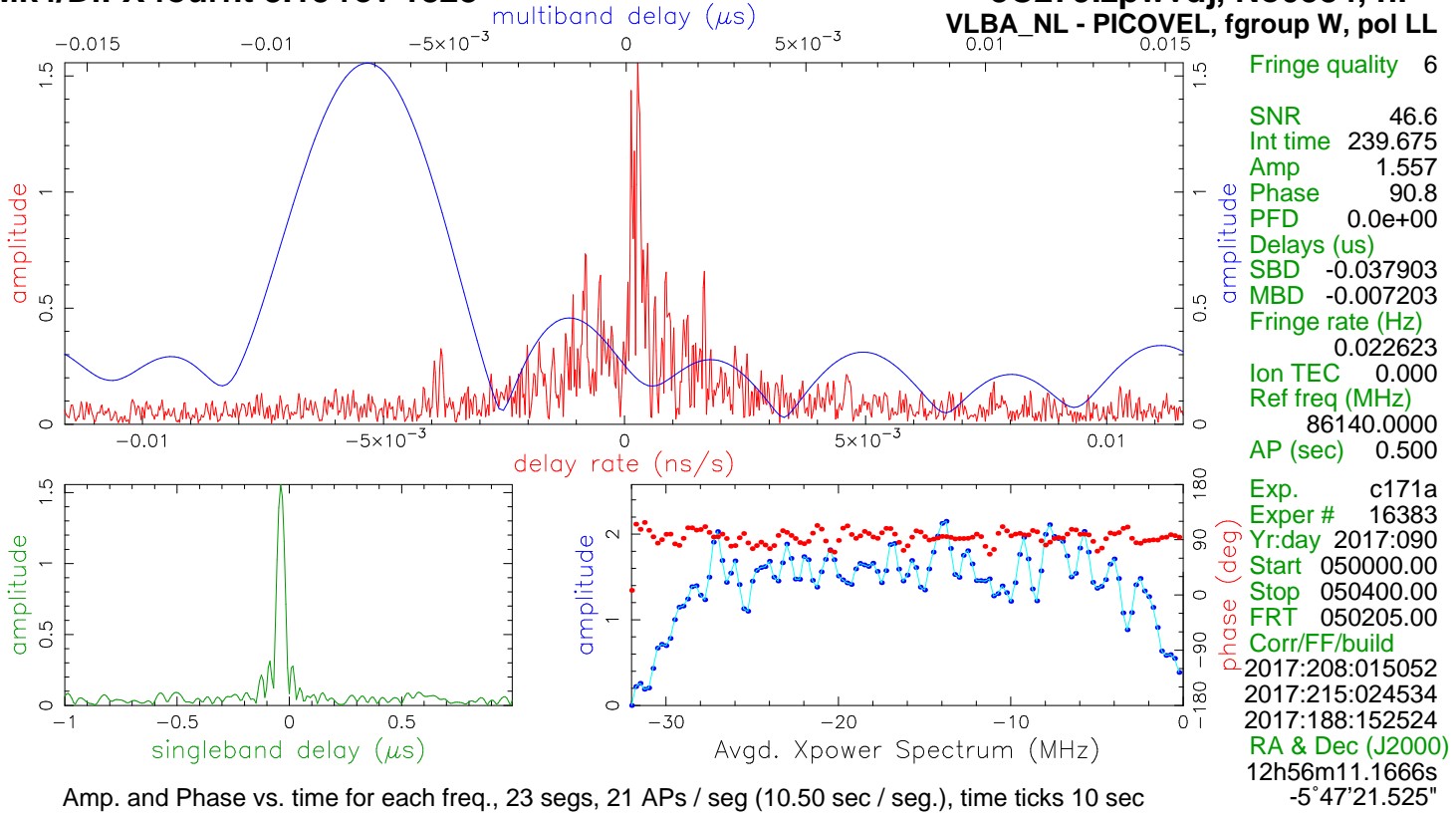
Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050000.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024533
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"

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

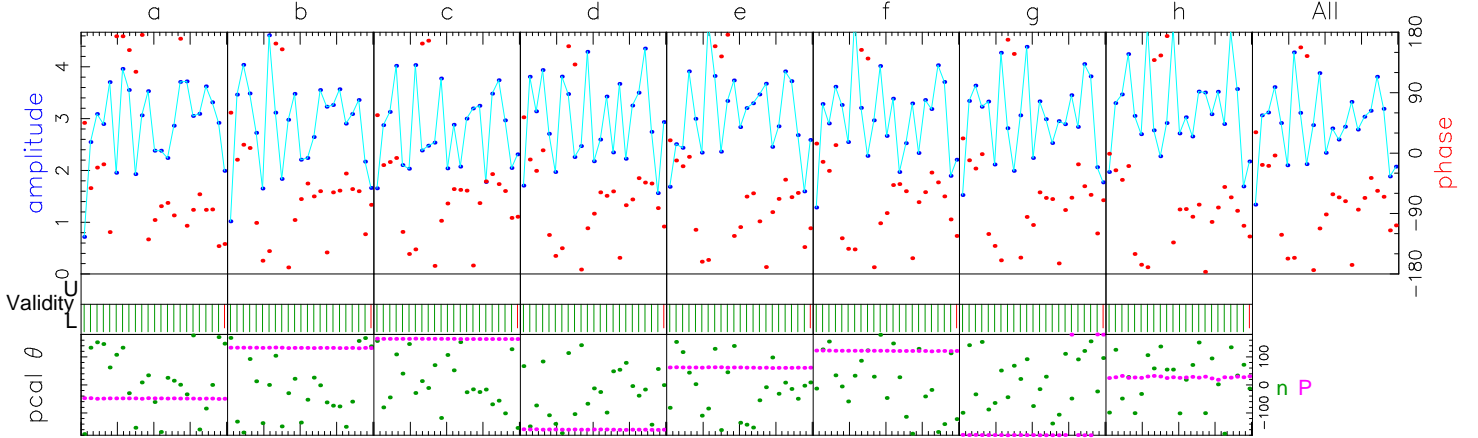


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480	176.8	
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	18.2	
p	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	0.2	
n:p	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	176.8	
n:p	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
n	1000	1000	1000	1000	1000	1000	1000	1000		
p	1000	1000	1000	1000	1000	1000	1000	1000		
n	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR		
p	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL		
Group delay (usec)(sbd)	7.05779555586E+02		Apriori delay (usec)		7.05406755861E+02		Resid mbdelay (usec)		-2.20027E-03	+/- 3.4E-04
Sband delay (usec)	7.05780340361E+02		Apriori clock (usec)		2.9975812E+00		Resid sbdelay (usec)		3.73585E-01	+/- 2.7E-03
Phase delay (usec)	7.05406756448E+02		Apriori clockrate (us/s)		3.0411803E-08		Resid phdelay (usec)		5.87819E-07	+/- 5.7E-07
Delay rate (us/s)	-3.64253878785E-01		Apriori rate (us/s)		-3.64253406048E-01		Resid rate (us/s)		-4.72736E-07	+/- 4.1E-09
Total phase (deg)			Apriori accel (us/s/s)		-4.91944076746E-06		Resid phase (deg)		-2141.8	+/- 17.7

ph/seg (deg) 51.8 74.2 Interp. 0.000 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 61.8 42.5 Search (1024X32) 0.211 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 32.2 25.1 Inc. seg. avg. 0.223 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 29.1 43.8 Inc. frq. avg. 0.217 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 n: az 151.6 el 38.3 pa -20.6 p: az 130.1 el 35.7 pa -39.2 u,v (fr/asec) 2093.919 943.487 ion window (TEC) 0.00 0.00
 simultaneous interpolator

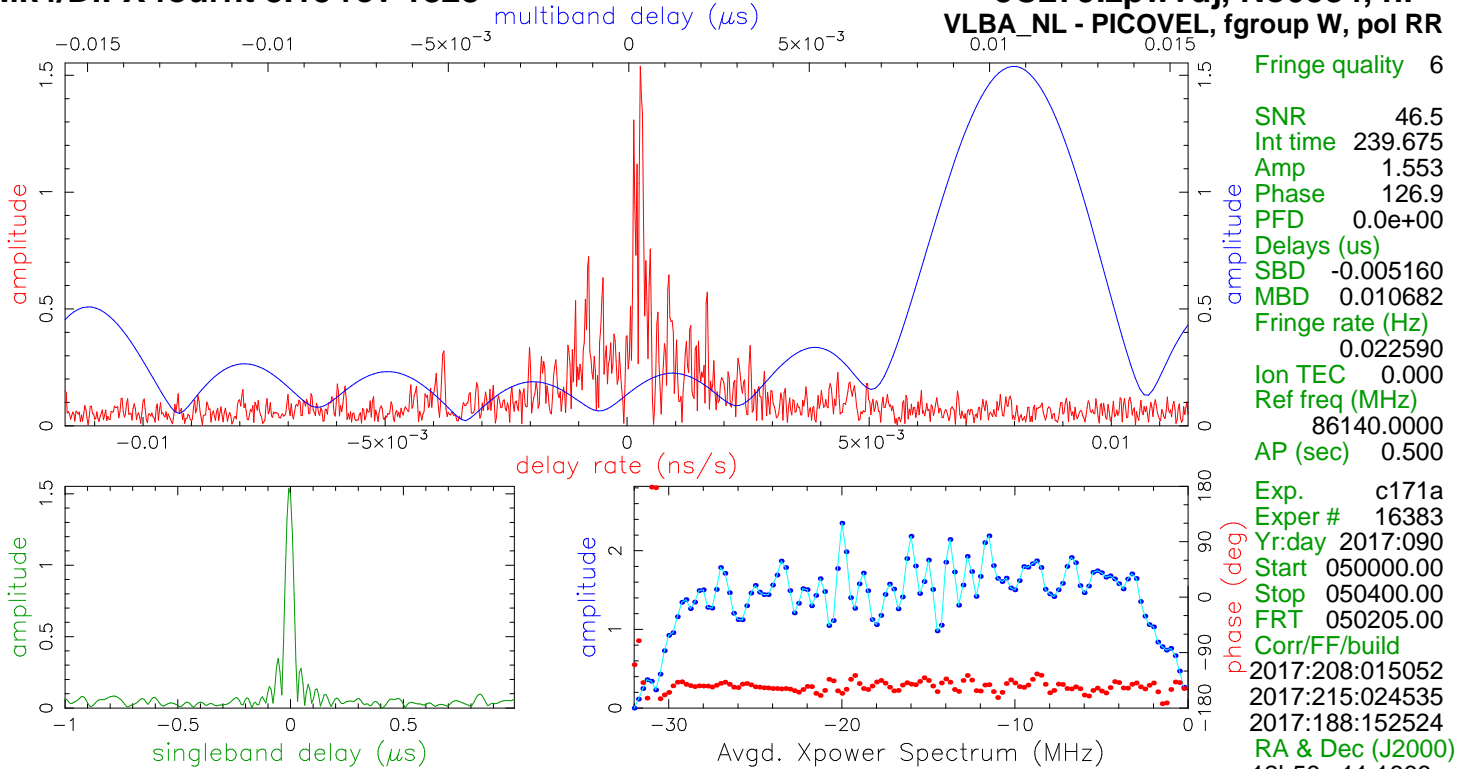


Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec

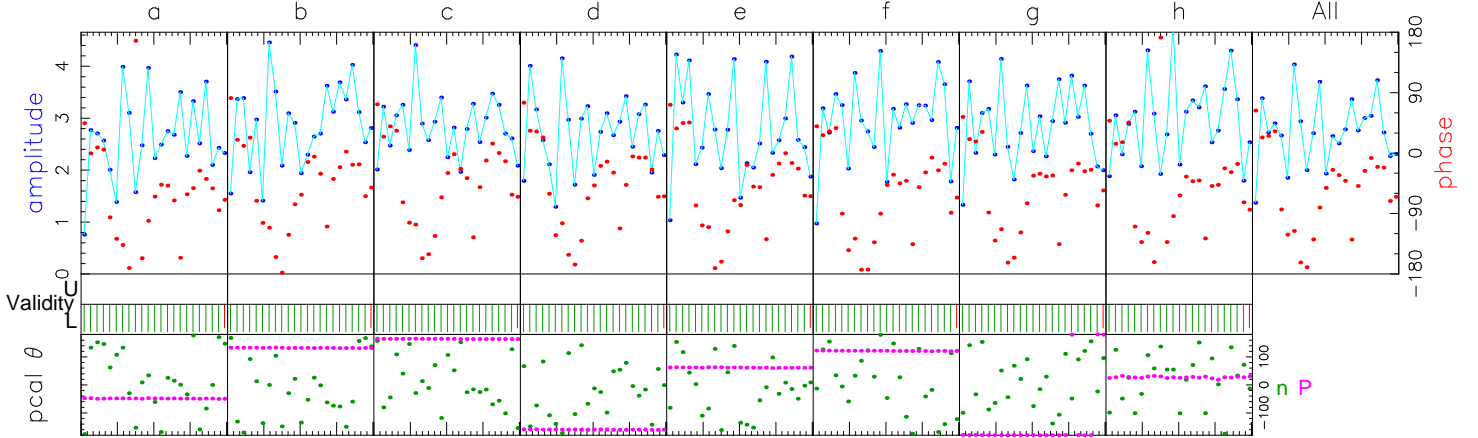


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	-113.2	-74.7	-76.8	-79.7	-99.4	-82.8	-82.6	-101.9	Phase	-89.2
	1.6	1.5	1.5	1.5	1.6	1.6	1.7	1.8	Ampl.	1.6
	124.3	124.5	124.1	124.2	123.9	124.0	123.9	124.2	Sbd box	124.1
U/L	0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480	APs used	
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
P	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
n:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
n:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
P n	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
P	1000	1000	1000	1000	1000	1000	1000	1000		
n	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
P	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
									Tracks	
Group delay (usec)(sbd)		7.85743832548E+03		Apriori delay (usec)	7.85747677860E+03		Resid mbdelay (usec)	-7.20312E-03	+/-	4.7E-05
Sband delay (usec)		7.85743887560E+03		Apriori clock (usec)	4.9550796E+00		Resid sbdelay (usec)	-3.79030E-02	+/-	3.7E-04
Phase delay (usec)		7.85747677572E+03		Apriori clockrate (us/s)	-2.2505348E-07		Resid phdelay (usec)	-2.87683E-06	+/-	7.9E-08
Delay rate (us/s)		1.55580653774E+00		Apriori rate (us/s)	1.55580627511E+00		Resid rate (us/s)	2.62629E-07	+/-	5.7E-10
Total phase (deg)			345.8	Apriori accel (us/s/s)	-4.24842202692E-05		Resid phase (deg)	90.8	+/-	2.5

ph/seg (deg) 63.5 5.9 Theor. Amplitude 1.557 +/- 0.033 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 95.8 10.3 Search (1024X32) 1.473 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 15.2 3.5 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 6.6 6.1 Inc. seg. avg. 2.872 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 n: az 151.6 el 38.3 pa -20.6 P: az 250.4 el 15.1 pa 49.1 u,v (fr/asec) -8986.779 896.167 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/nP.zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/nP.W.97.zpwvdj



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



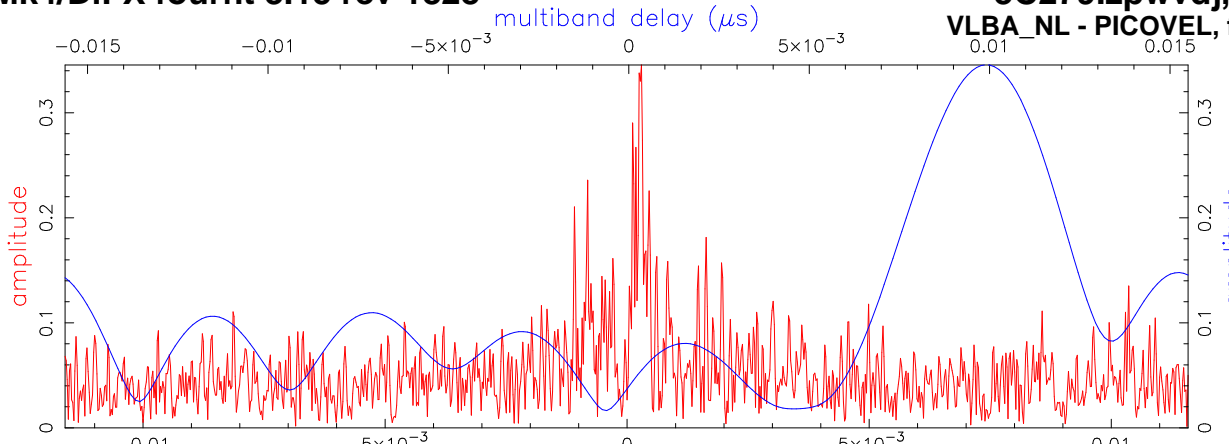
86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
-74.0	-46.1	-43.8	-41.2	-46.8	-55.9	-53.7	-62.3	Phase	-53.1
1.5	1.7	1.5	1.5	1.4	1.5	1.7	1.7	Ampl.	1.6
128.5	128.4	128.4	128.4	128.2	128.2	128.3	128.2	Sbd box	128.3
U/L 0/480	0/480	0/480	0/480	0/480	0/480	0/480	0/480	APs used	
n -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
P -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
n:P 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
n:P 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
P n 1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
n 1000	1000	1000	1000	1000	1000	1000	1000		
n W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
P W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	

Group delay (usec)(sbd) 7.85745621066E+03 Apriori delay (usec) 7.85747677860E+03 Resid mbdelay (usec) 1.06821E-02 +/- 4.7E-05
 Sband delay (usec) 7.85747161910E+03 Apriori clock (usec) 4.9550796E+00 Resid sbdelay (usec) -5.15950E-03 +/- 3.7E-04
 Phase delay (usec) 7.85747677688E+03 Apriori clockrate (us/s) -2.2505348E-07 Resid phdelay (usec) -1.71104E-06 +/- 8.0E-08
 Delay rate (us/s) 1.55580653735E+00 Apriori rate (us/s) 1.55580627511E+00 Resid rate (us/s) 2.62243E-07 +/- 5.7E-10
 Total phase (deg) 381.9 Apriori accel (us/s/s) -4.24842202692E-05 Resid phase (deg) 126.9 +/- 2.5

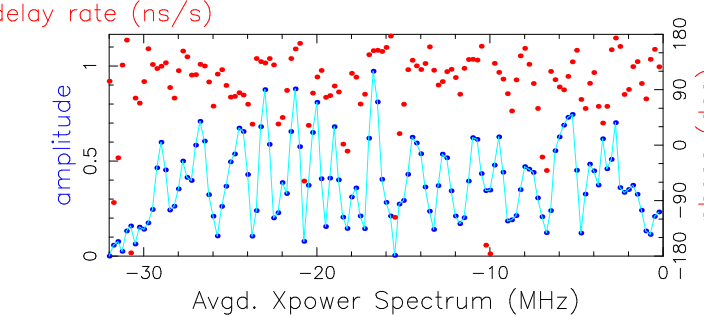
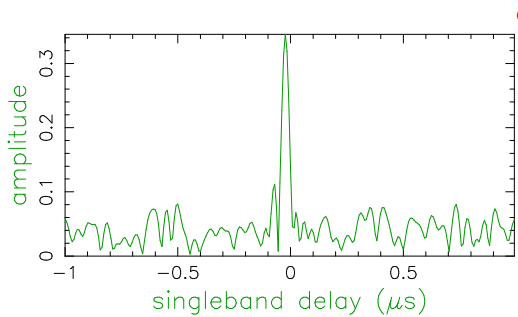
RMS Theor. Amplitude 1.553 +/- 0.033 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 61.7 5.9 Search (1024X32) 1.476 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 amp/seg (%) 87.6 10.3 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 ph/frq (deg) 11.9 3.5 Inc. seg. avg. 2.746 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 (%) 7.0 6.1 Inc. frq. avg. 1.560 ion window (TEC) 0.00 0.00

n: az 151.6 el 38.3 pa -20.6 P: az 250.4 el 15.1 pa 49.1 u,v (fr/asec) -8986.779 896.167 simultaneous interpolator

Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/nP.zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/nP.W.98.zpwvdj

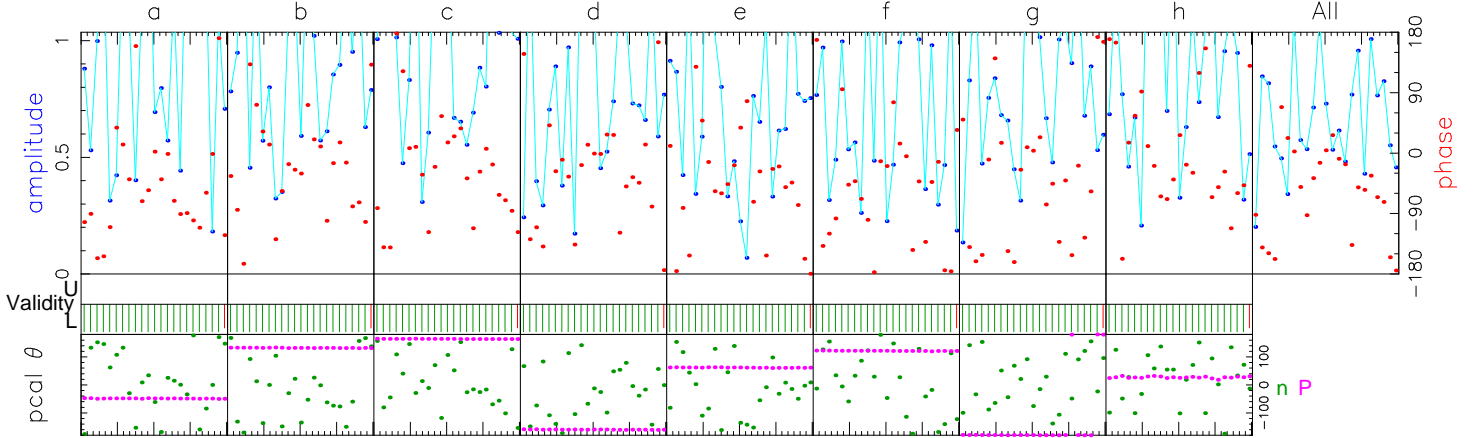


Fringe quality 9
 SNR 10.3
 Int time 239.675
 Amp 0.345
 Phase 127.2
 PFD 5.2e-17
 Delays (us)
 SBD -0.023044
 MBD 0.009919
 Fringe rate (Hz) 0.025945
 Ion TEC 0.000
 Ref freq (MHz) 86140.0000
 AP (sec) 0.500



Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050000.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024536
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"

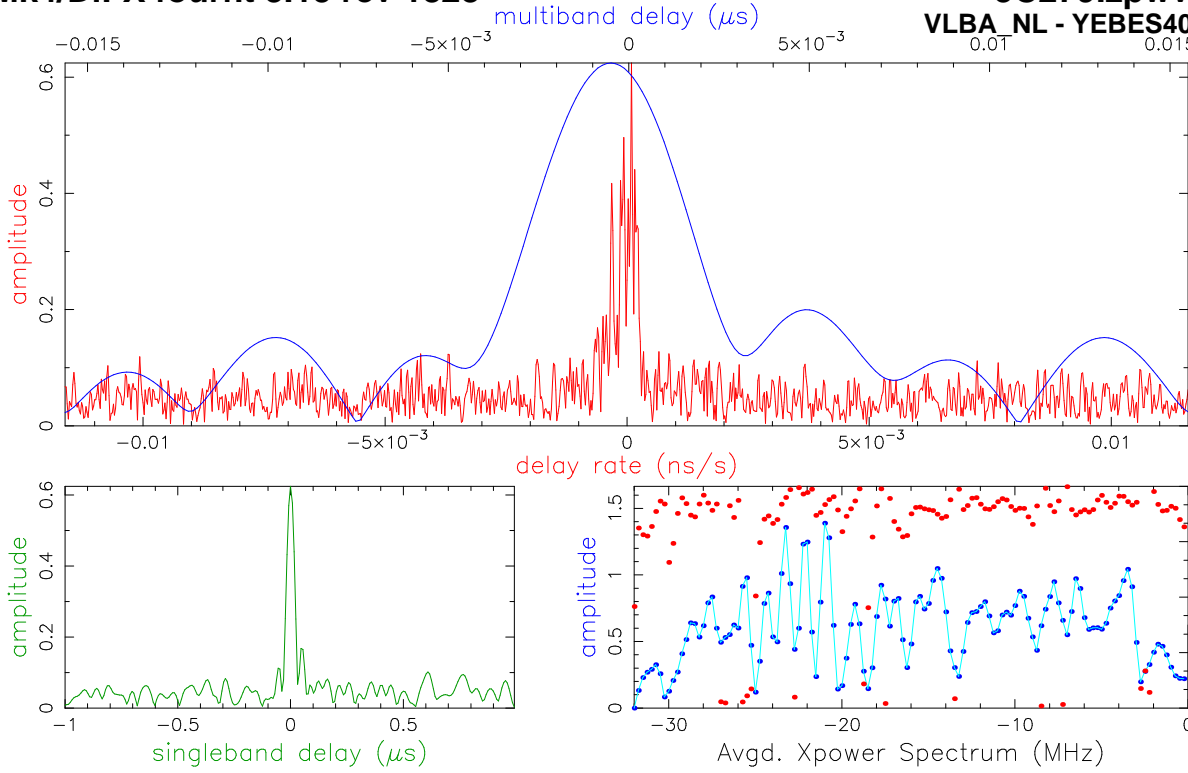
Amp. and Phase vs. time for each freq., 23 segs, 21 APs / seg (10.50 sec / seg.), time ticks 10 sec



	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		
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000		
P	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000		
n:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
n:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
n	1000	1000	1000	1000	1000	1000	1000	1000		
P	1000	1000	1000	1000	1000	1000	1000	1000		
n	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL		
P	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR		

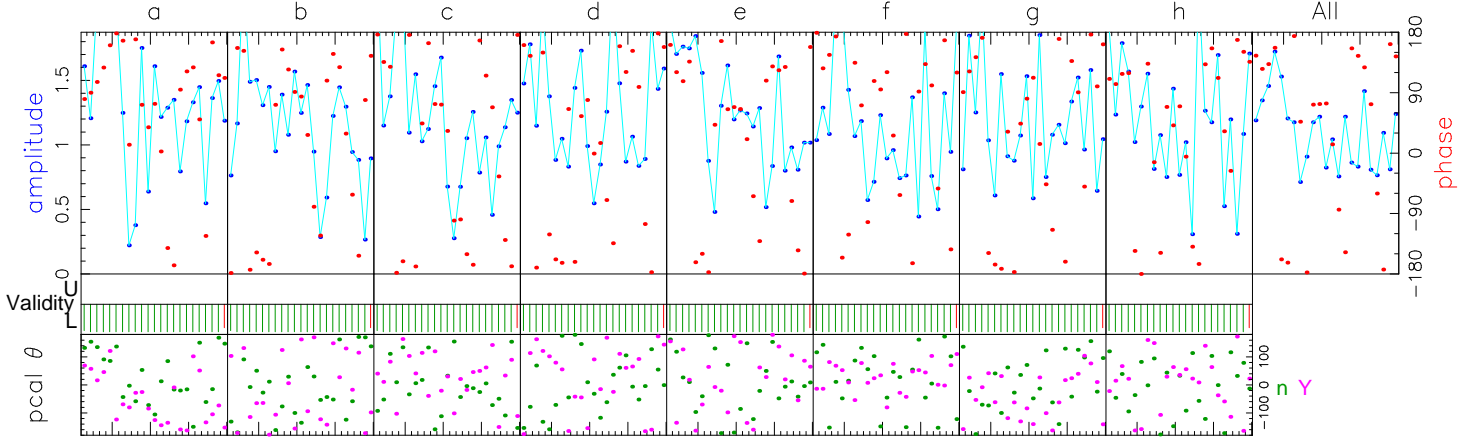
Group delay (usec)(sbd) 7.85745544755E+03 Apriori delay (usec) 7.85747677860E+03 Resid mbdelay (usec) 9.91896E-03 +/- 2.1E-04
 Sband delay (usec) 7.85745373460E+03 Apriori clock (usec) 4.9550796E+00 Resid sbdelay (usec) -2.30440E-02 +/- 1.7E-03
 Phase delay (usec) 7.85747677689E+03 Apriori clockrate (us/s) -2.2505348E-07 Resid phdelay (usec) -1.70251E-06 +/- 3.6E-07
 Delay rate (us/s) 1.55580657631E+00 Apriori rate (us/s) 1.55580627511E+00 Resid rate (us/s) 3.01200E-07 +/- 2.6E-09
 Total phase (deg) 382.2 Apriori accel (us/s/s) -4.24842202692E-05 Resid phase (deg) 127.2 +/- 11.1

RMS Theor. Amplitude 0.345 +/- 0.033 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 66.2 26.6 Search (1024X32) 0.339 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 amp/seg (%) 115.8 46.4 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 ph/frq (deg) 23.4 15.7 Inc. seg. avg. 0.606 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 (%) 33.0 27.4 Inc. frq. avg. 0.356 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite ion window (TEC) 0.00 0.00



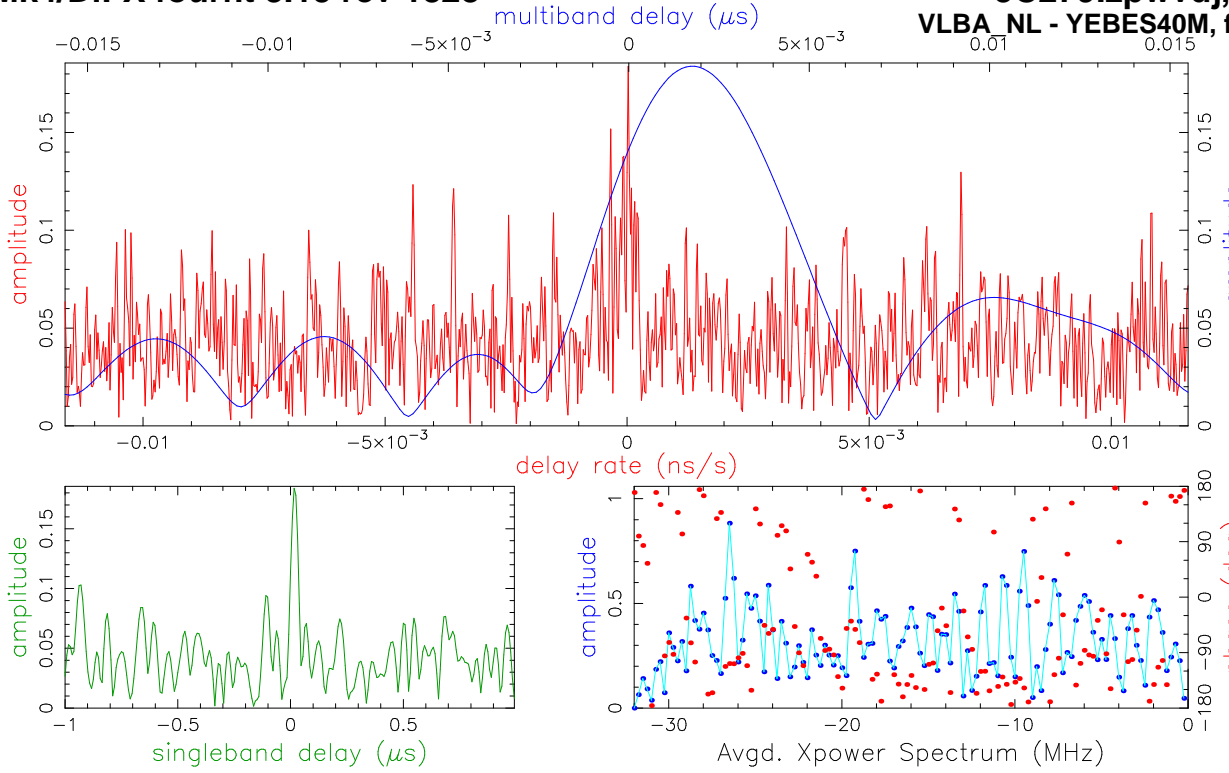
Fringe quality 9
 SNR 18.2
 Int time 228.084
 Amp 0.624
 Phase 146.3
 PFD 0.0e+00
 Delays (us)
 SBD 0.000342
 MBD -0.000495
 Fringe rate (Hz) 0.007157
 Ion TEC 0.000
 Ref freq (MHz) 86140.0000
 AP (sec) 0.500
 Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050011.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024721
 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



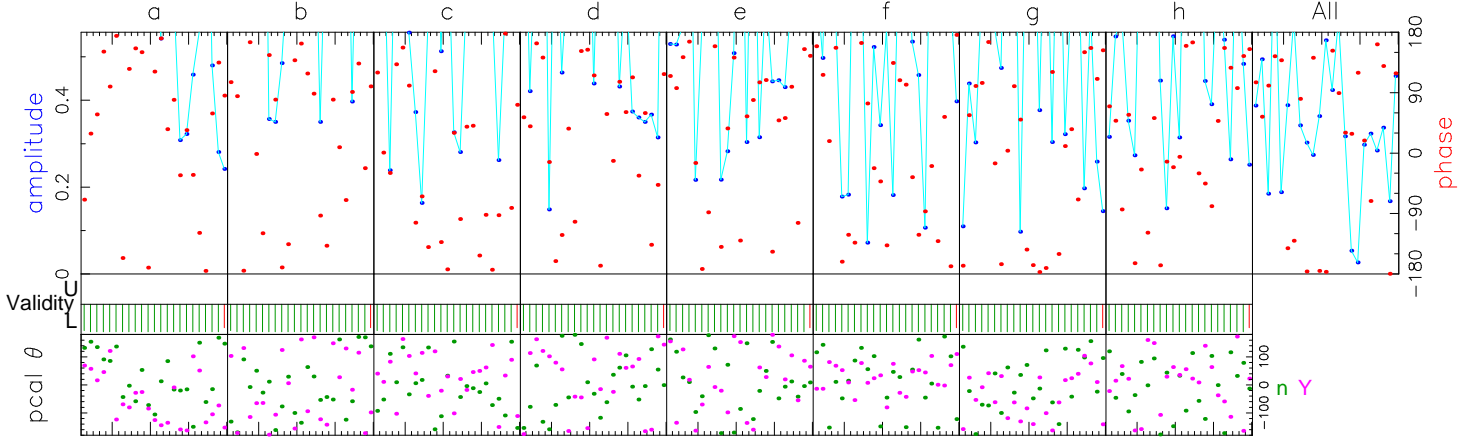
	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	127.8	146.3
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	0.6	0.6
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	129.7	129.0
n:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0.6	0.6
n:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	129.7	129.0
n	1000	1000	1000	1000	1000	1000	1000	1000	0.6	0.6
Y	1000	1000	1000	1000	1000	1000	1000	1000	129.7	129.0
n	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	0.6	0.6
Y	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	129.7	129.0
Group delay (usec)(sbd)	8.35379302481E+03		Apriori delay (usec)		8.35379351999E+03		Resid mbdelay (usec)		-4.95183E-04	+/- 1.2E-04
Sband delay (usec)	8.35379386199E+03		Apriori clock (usec)		1.6074629E+00		Resid sbdelay (usec)		3.42000E-04	+/- 9.4E-04
Phase delay (usec)	8.35379352471E+03		Apriori clockrate (us/s)		-1.6505349E-07		Resid phdelay (usec)		4.71895E-06	+/- 2.0E-07
Delay rate (us/s)	1.50451272465E+00		Apriori rate (us/s)		1.50451264157E+00		Resid rate (us/s)		8.30842E-08	+/- 1.5E-09
Total phase (deg)	78.8		Apriori accel (us/s/s)		-4.45982648609E-05		Resid phase (deg)		146.3	+/- 6.3

ph/seg (deg) 67.7 15.1 Theor. Amplitude 0.624 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 87.9 26.3 Search (1024X32) 0.580 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 18.5 8.9 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 14.0 15.5 Inc. seg. avg. 1.062 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 n: az 151.6 el 38.3 pa -20.6 Y: az 249.7 el 13.7 pa 45.9 u,v (fr/asec) -8693.161 500.383 ion window (TEC) 0.00 0.00
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/nY...zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/nY.W.197.zpwvdj simultaneous interpolator



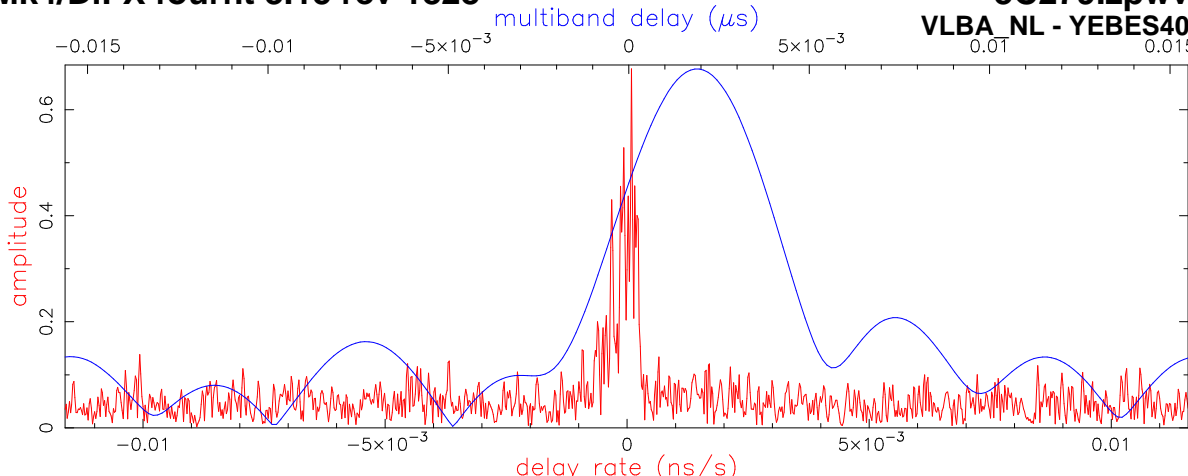
Fringe quality 0
SNR 5.4
Int time 228.084
Amp 0.186
Phase -40.7
PFD 9.7e-01
Delays (us)
SBD 0.018131
MBD 0.001770
Fringe rate (Hz) 0.001920
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.500
Exp. c171a
Exper # 16383
Yr:day 2017:090
Start 050011.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052
2017:215:024721
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

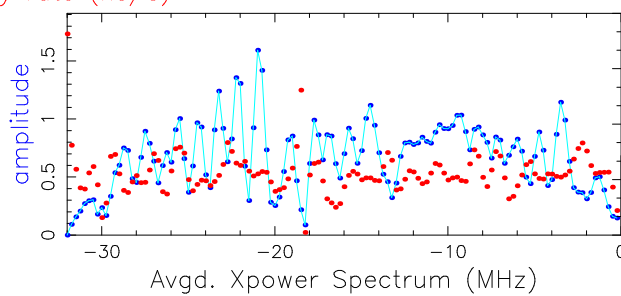
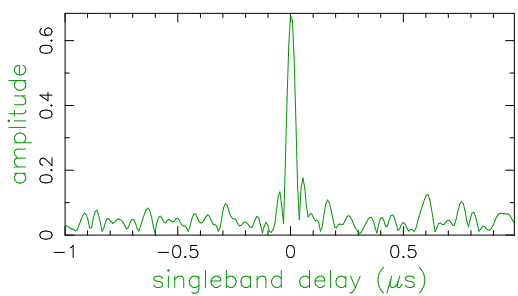


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	131.4	150.8	143.5	119.9	147.6	172.1	155.9	53.4	Phase	139.3
	0.3	0.2	0.2	0.3	0.3	0.1	0.2	0.1	Ampl.	0.2
	132.0	102.1	243.5	215.6	132.6	79.3	241.0	8.2	Sbd box	131.3
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
n:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
n:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
n	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y	1000	1000	1000	1000	1000	1000	1000	1000		
n	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
Y	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	
									Tracks	
Group delay (usec)(sbd)	8.35382654026E+03		Apriori delay (usec)		8.35379351999E+03		Resid mbdelay (usec)		1.77027E-03	+/- 4.0E-04
Sband delay (usec)	8.35381165099E+03		Apriori clock (usec)		1.6074629E+00		Resid sbdelay (usec)		1.81310E-02	+/- 3.2E-03
Phase delay (usec)	8.35379352449E+03		Apriori clockrate (us/s)		-1.6505349E-07		Resid phdelay (usec)		4.49174E-06	+/- 6.8E-07
Delay rate (us/s)	1.50451266386E+00		Apriori rate (us/s)		1.50451264157E+00		Resid rate (us/s)		2.22893E-08	+/- 5.2E-09
Total phase (deg)			Apriori accel (us/s/s)		-4.45982648609E-05		Resid phase (deg)		-40.7	+/- 21.1

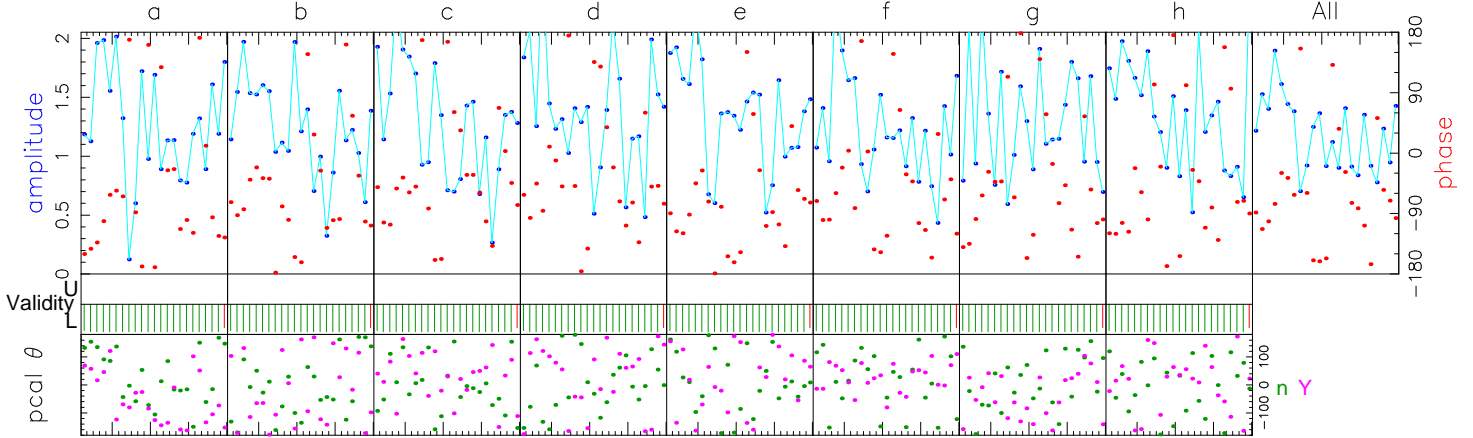
ph/seg (deg) 66.4 50.7 Search (1024X32) 0.183 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 128.9 88.5 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 39.6 29.9 Inc. seg. avg. 0.253 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 42.7 52.2 Inc. frq. avg. 0.175 Data rate (MSamp/s): 64 Data rate (Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 n: az 151.6 el 38.3 pa -20.6 Y: az 249.7 el 13.7 pa 45.9 u,v (fr/asec) -8693.161 500.383 ion window (TEC) 0.00 0.00



Fringe quality 9
SNR 20.0
Int time 228.084
Amp 0.684
Phase -86.3
PFD 0.0e+00
Delays (us)
SBD 0.002839
MBD 0.001901
Fringe rate (Hz) 0.007144
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
2017:215:024723
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
	-114.2	-84.1	-64.0	-65.3	-90.9	-79.5	-92.9	-100.5	Phase	-86.3
	0.8	0.6	0.7	0.8	0.8	0.7	0.6	0.7	Ampl.	0.7
	129.6	129.8	128.9	129.6	129.0	129.1	129.8	129.0	Sbd box	129.4
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
n:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
n:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
n	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y	1000	1000	1000	1000	1000	1000	1000	1000		
n	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
Y	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	

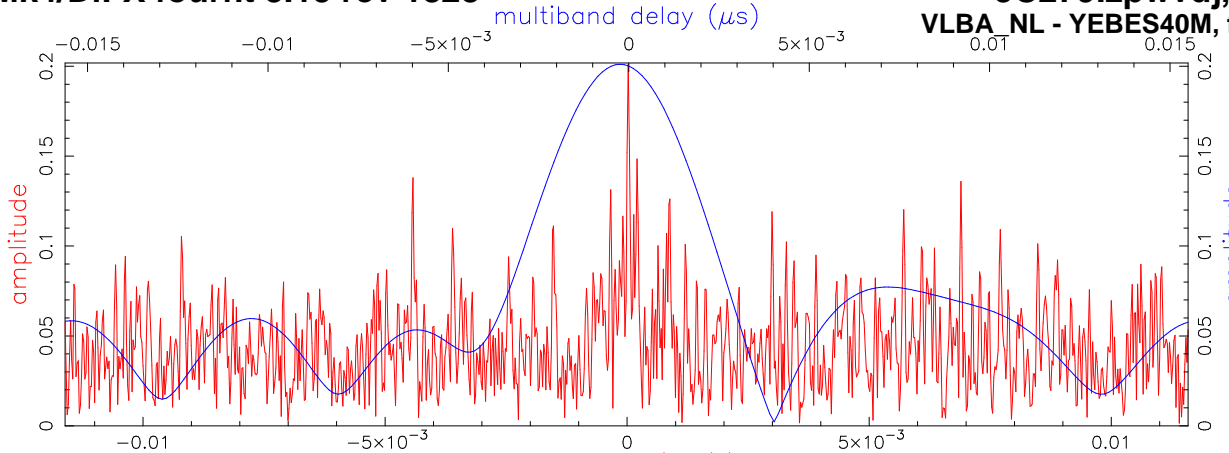
Group delay (usec)(sbd)	8.35379542137E+03	Apriori delay (usec)	8.35379351999E+03	Resid mbdelay (usec)	1.90138E-03	+/-	1.1E-04
Sband delay (usec)	8.35379635899E+03	Apriori clock (usec)	1.60746229E+00	Resid sbdelay (usec)	2.83900E-03	+/-	8.6E-04
Phase delay (usec)	8.35379351721E+03	Apriori clockrate (us/s)	-1.6505349E-07	Resid phdelay (usec)	-2.78221E-06	+/-	1.8E-07
Delay rate (us/s)	1.50451272450E+00	Apriori rate (us/s)	1.50451264157E+00	Resid rate (us/s)	8.29319E-08	+/-	1.4E-09
Total phase (deg)	206.2	Apriori accel (us/s/s)	-4.45982648609E-05	Resid phase (deg)	-86.3	+/-	5.7

RMS Theor. Amplitude 0.684 +/- 0.034
 ph/seg (deg) 67.5 13.7 Search (1024X32) 0.639
 amp/seg (%) 86.3 24.0 Interp. 0.000
 ph/frq (deg) 18.4 8.1 Inc. seg. avg. 1.159
 amp/frq (%) 10.3 14.2 Inc. frq. avg. 0.699

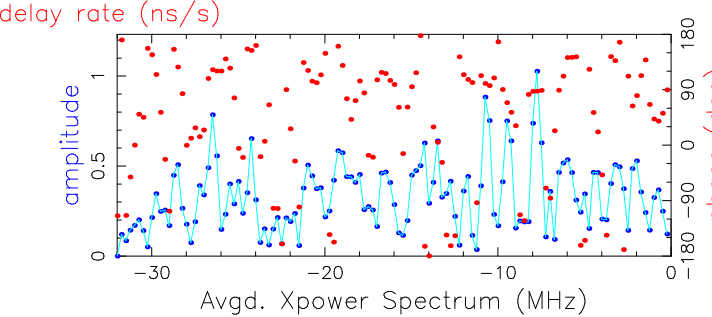
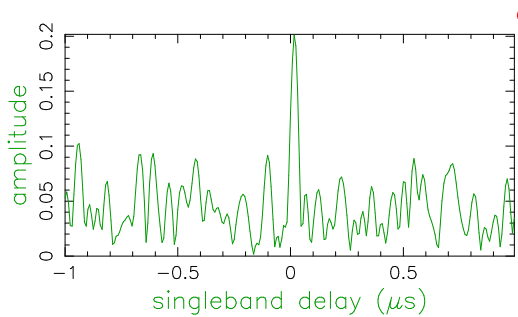
Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 Pcal rate: 0.000E+00, 0.000E+00 (us/s)
 Bits/sample: 2x2 SampCntNorm: enabled
 Sample rate(MSamp/s): 64
 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite

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

n: az 151.6 el 38.3 pa -20.6 Y: az 249.7 el 13.7 pa 45.9 u,v (fr/asec) -8693.161 500.383 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/nY...zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/nY.W.199.zpwvdj

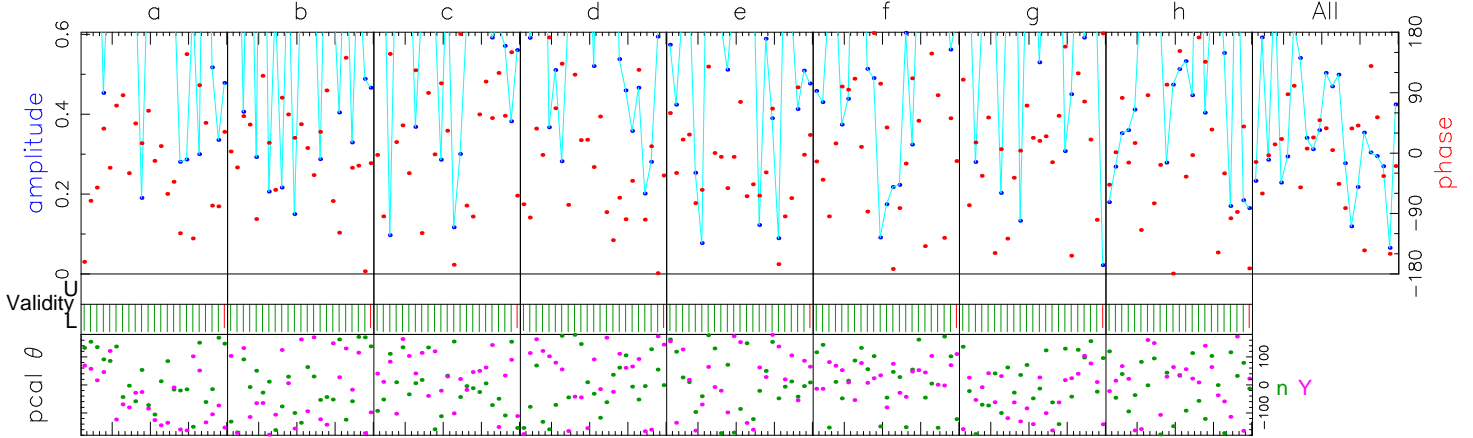


Fringe quality 0
SNR 5.9
Int time 228.084
Amp 0.202
Phase -174.0
PFD 2.1e-01
Delays (us)
SBD 0.017303
MBD -0.000180
Fringe rate (Hz) 0.002356
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.500



Exp. c171a
Exper # 16383
Yr:day 2017:090
Start 050011.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052
2017:215:024723
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			
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000			
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000			
n:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0			
n:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0			
n	1000	1000	1000	1000	1000	1000	1000	1000			
Y	1000	1000	1000	1000	1000	1000	1000	1000			
n	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR			
Y	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL			
Group delay (usec)(sbd)	8.35382458989E+03		Apriori delay (usec)		8.35379351999E+03		Resid mbdelay (usec)		-1.80108E-04	+/- 3.7E-04	
Sband delay (usec)	8.35381082299E+03		Apriori clock (usec)		1.60746229E+00		Resid sbdelay (usec)		1.73030E-02	+/- 2.9E-03	
Phase delay (usec)	8.35379352019E+03		Apriori clockrate (us/s)		-1.6505349E-07		Resid phdelay (usec)		1.92386E-07	+/- 6.3E-07	
Delay rate (us/s)	1.50451266892E+00		Apriori rate (us/s)		1.50451264157E+00		Resid rate (us/s)		2.73523E-08	+/- 4.7E-09	
Total phase (deg)	118.4		Apriori accel (us/s/s)		-4.45982648609E-05		Resid phase (deg)		-174.0	+/- 19.4	
ph/seg (deg)	RMS 68.2	Theor. 46.6	Amplitude Search (1024X32)	0.202 +/- 0.034	Pcal mode: MANUAL, MANUAL		PC period (AP's) 5, 5		sb window (us)	-1.000	1.000
amp/seg (%)	113.1	81.4	Interp.	0.000	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		SampCntNorm: enabled		mb window (us)	-0.016	0.016
ph/frq (deg)	37.6	27.5	Inc. seg. avg.	0.273	Bits/sample: 2x2		Sample rate(MSamp/s): 64		dr window (ns/s)	-0.012	0.012
amp/frq (%)	45.9	48.0	Inc. frq. avg.	0.195	Data rate(Mb/s): 1024		nlags: 128 t_cohere infinite		ion window (TEC)	0.00	0.00

n: az 151.6 el 38.3 pa -20.6 Y: az 249.7 el 13.7 pa 45.9 u,v (fr/asec) -8693.161 500.383 simultaneous interpolator
Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/nY..zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/nY.W.200.zpwvdj