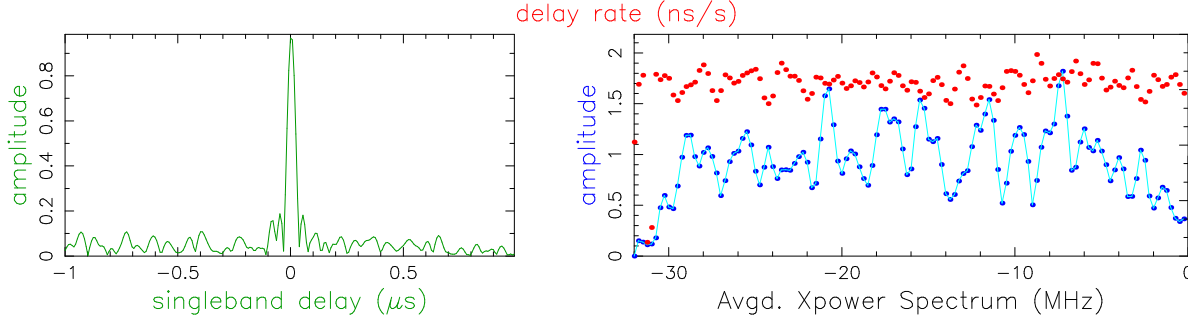


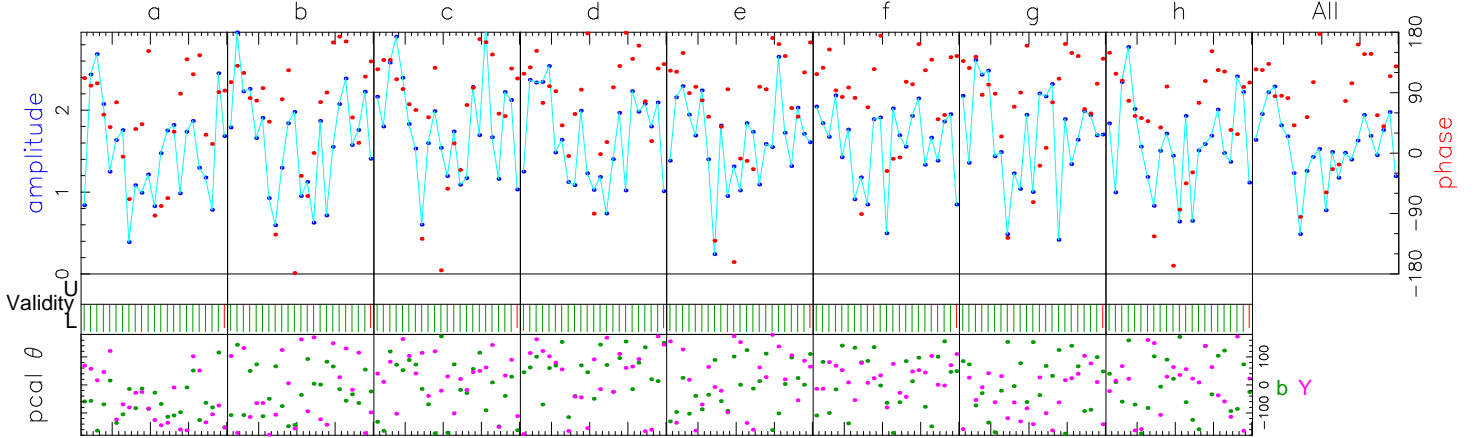
Fringe quality 6

SNR 28.7
Int time 228.084
Amp 0.984
Phase 100.9
PFD 0.0e+00
Delays (us)
SBD 0.003459
MBD 0.003203
Fringe rate (Hz)
-0.011224
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
2017:215:024629
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"



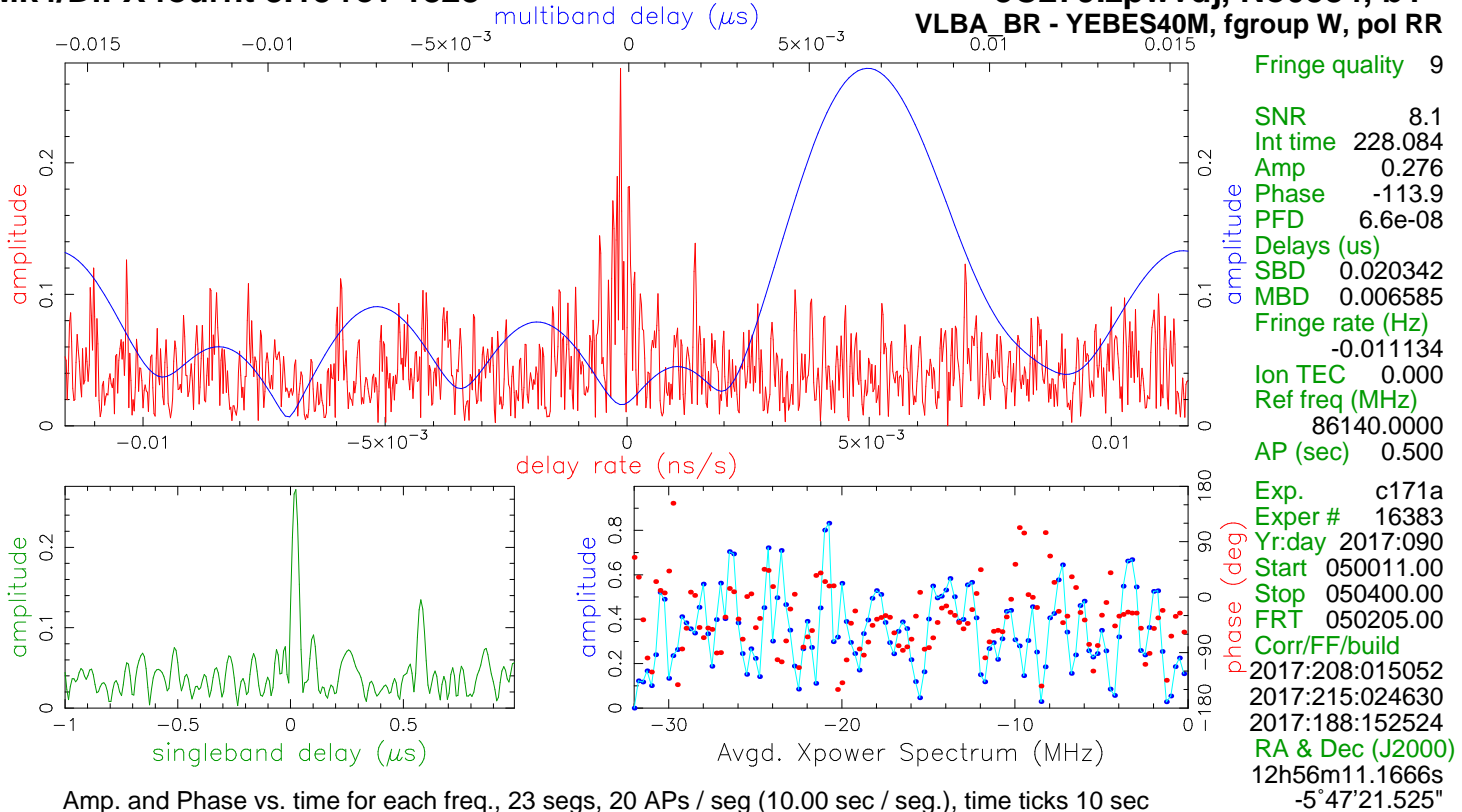
Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec



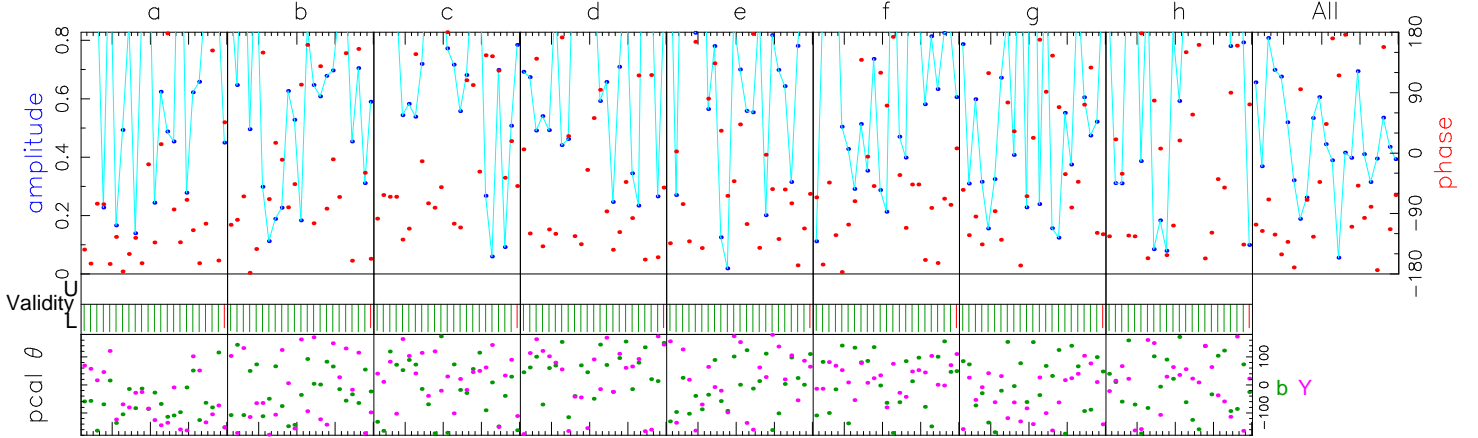
	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458		
b	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	APs used	
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
b:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
b:Y	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	
Y	1000	1000	1000	1000	1000	1000	1000	1000		
b	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
Y	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	2.63037552612E+03		Apriori delay (usec)		2.63037232329E+03		Resid mbdelay (usec)		3.20284E-03	+/- 7.6E-05
Sband delay (usec)	2.63037578279E+03		Apriori clock (usec)		-8.2301121E+00		Resid sbdelay (usec)		3.45950E-03	+/- 6.0E-04
Phase delay (usec)	2.63037232654E+03		Apriori clockrate (us/s)		-4.4937320E-07		Resid phdelay (usec)		3.25522E-06	+/- 1.3E-07
Delay rate (us/s)	1.86760473627E+00		Apriori rate (us/s)		1.86760486657E+00		Resid rate (us/s)		-1.30302E-07	+/- 9.7E-10
Total phase (deg)	75.0		Apriori accel (us/s/s)		-1.51258253596E-05		Resid phase (deg)		100.9	+/- 4.0

RMS 69.9 Theor. 9.6 Amplitude 0.984 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 69.9 9.6 Search (1024X32) 0.929 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 amp/seg (%) 70.7 16.7 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 ph/frq (deg) 13.4 5.6 Inc. seg. avg. 1.524 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 (%) 10.1 9.8 Inc. frq. avg. 0.981 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 Y: az 249.7 el 13.7 pa 45.9 u,v (fr/asec) -10762.183 953.769 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/bY...zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/bY.W.149.zpwvdj

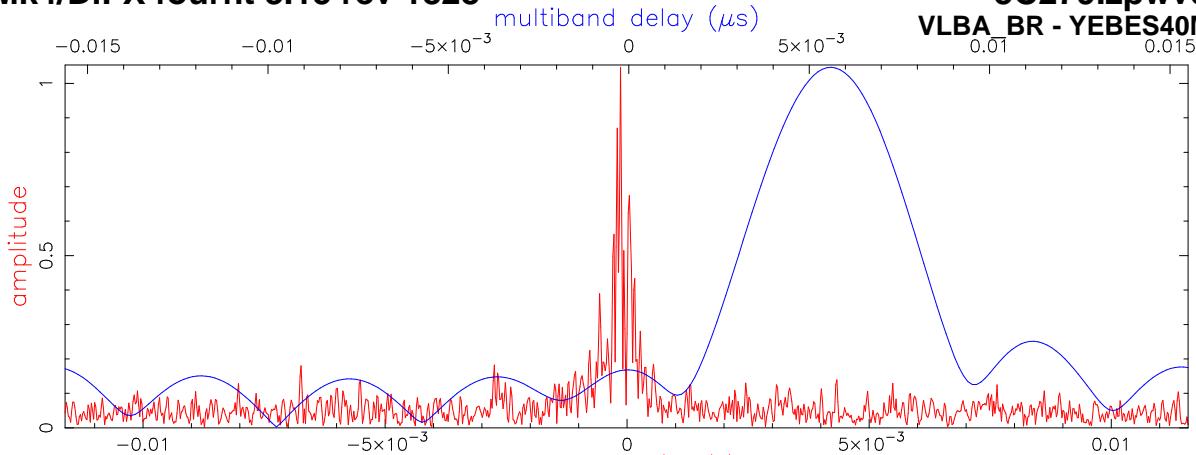


Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec

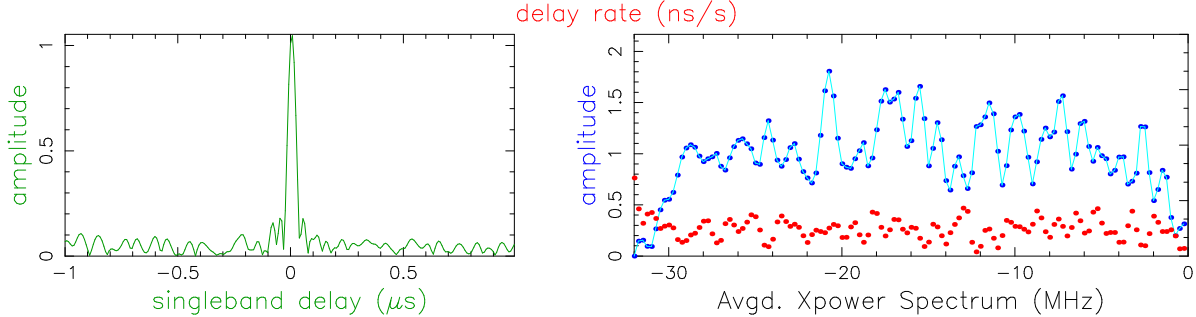


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	-135.8	-118.0	-75.7	-121.6	-115.1	-92.9	-59.6	-146.9	Phase	-113.9
	0.4	0.3	0.3	0.3	0.4	0.3	0.1	0.3	Ampl.	0.3
	131.3	132.9	131.4	187.6	132.4	38.8	12.7	130.7	Sbd box	131.6
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
b	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
b:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
b:Y	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	
Y	1000	1000	1000	1000	1000	1000	1000	1000		
b	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
Y	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)		2.63037890837E+03		Apriori delay (usec)		2.63037232329E+03		Resid mbdelay (usec)	6.58509E-03	+/- 2.7E-04
Sband delay (usec)		2.63039266529E+03		Apriori clock (usec)		-8.2301121E+00		Resid sbdelay (usec)	2.03420E-02	+/- 2.1E-03
Phase delay (usec)		2.63037231961E+03		Apriori clockrate (us/s)		-4.4937320E-07		Resid phdelay (usec)	-3.67434E-06	+/- 4.6E-07
Delay rate (us/s)		1.86760473732E+00		Apriori rate (us/s)		1.86760486657E+00		Resid rate (us/s)	-1.29255E-07	+/- 3.5E-09
Total phase (deg)			220.1	Apriori accel (us/s/s)		-1.51258253596E-05		Resid phase (deg)	-113.9	+/- 14.2

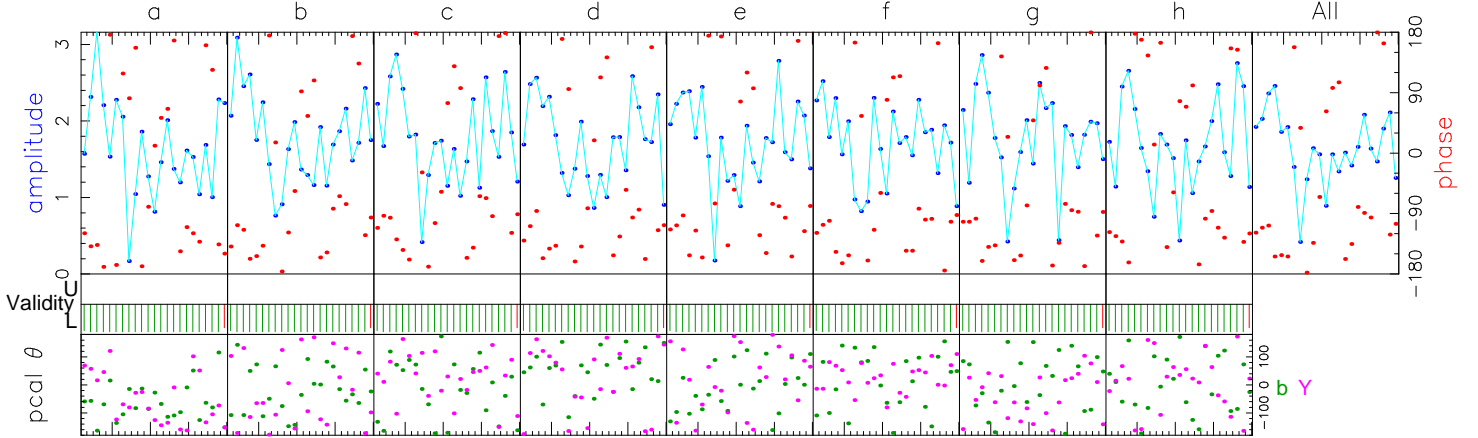
ph/seg (deg) 69.0 34.1 Amplitude 0.276 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 91.3 59.5 Search (1024X32) 0.263 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 32.9 20.1 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 38.4 35.1 Inc. seg. avg. 0.389 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 Y: az 249.7 el 13.7 pa 45.9 u,v (fr/asec) -10762.183 953.769 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/bY..zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/bY.W.150.zpwvdj



Fringe quality 6
SNR 30.8
Int time 228.084
Amp 1.053
Phase -137.9
PFD 0.0e+00
Delays (us)
SBD 0.005663
MBD 0.005599
Fringe rate (Hz)
-0.011213
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
2017:215:024631
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"

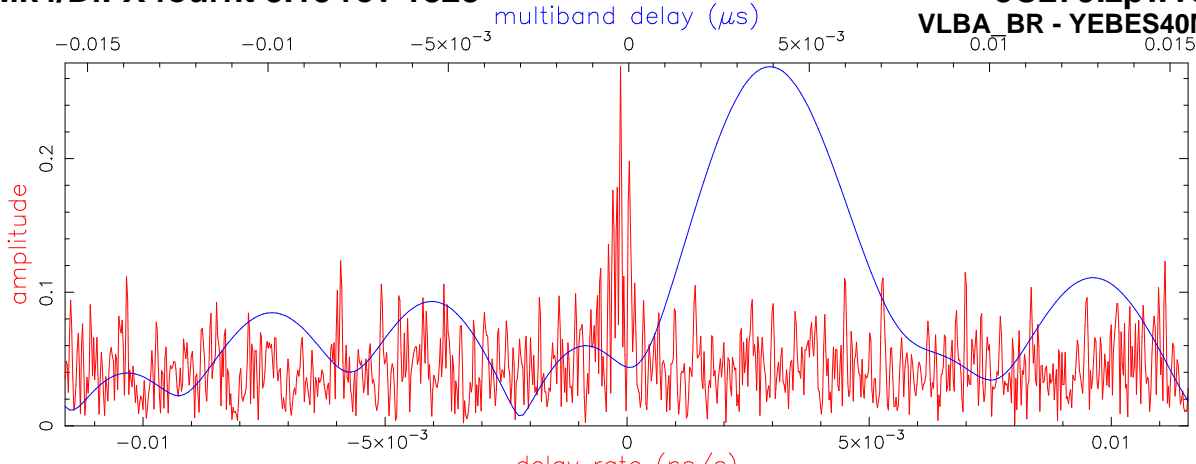


Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec

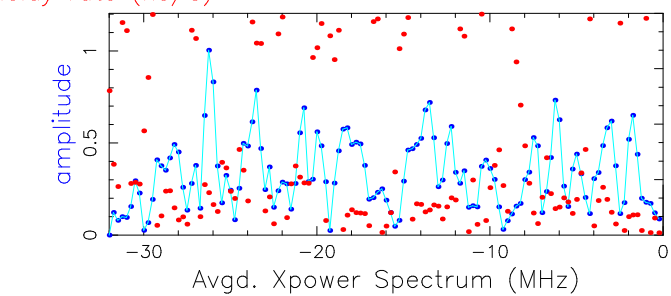
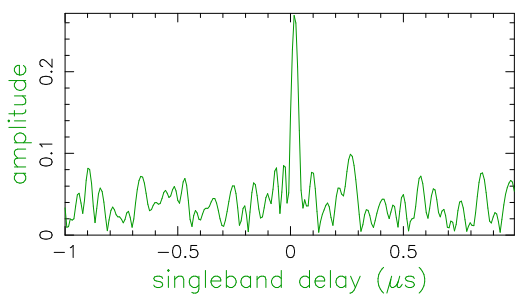


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	-161.7	-130.2	-128.8	-130.9	-131.4	-134.3	-138.2	-151.8	Phase	-137.9
	1.0	1.0	1.1	1.2	1.1	1.0	1.0	1.0	Ampl.	1.1
	129.8	130.1	129.8	129.9	129.5	130.0	129.6	129.1	Sbd box	129.7
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
b	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
b:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
b:Y	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	
Y	1000	1000	1000	1000	1000	1000	1000	1000		
b	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
Y	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	2.63037792262E+03		Apriori delay (usec)		2.63037232329E+03		Resid mbdelay (usec)		5.59934E-03	+/- 7.1E-05
Sband delay (usec)	2.63037798629E+03		Apriori clock (usec)		-8.2301121E+00		Resid sbdelay (usec)		5.66300E-03	+/- 5.6E-04
Phase delay (usec)	2.63037231884E+03		Apriori clockrate (us/s)		-4.4937320E-07		Resid phdelay (usec)		-4.44543E-06	+/- 1.2E-07
Delay rate (us/s)	1.86760473641E+00		Apriori rate (us/s)		1.86760486657E+00		Resid rate (us/s)		-1.30167E-07	+/- 9.1E-10
Total phase (deg)	196.2		Apriori accel (us/s/s)		-1.51258253596E-05		Resid phase (deg)		-137.9	+/- 3.7

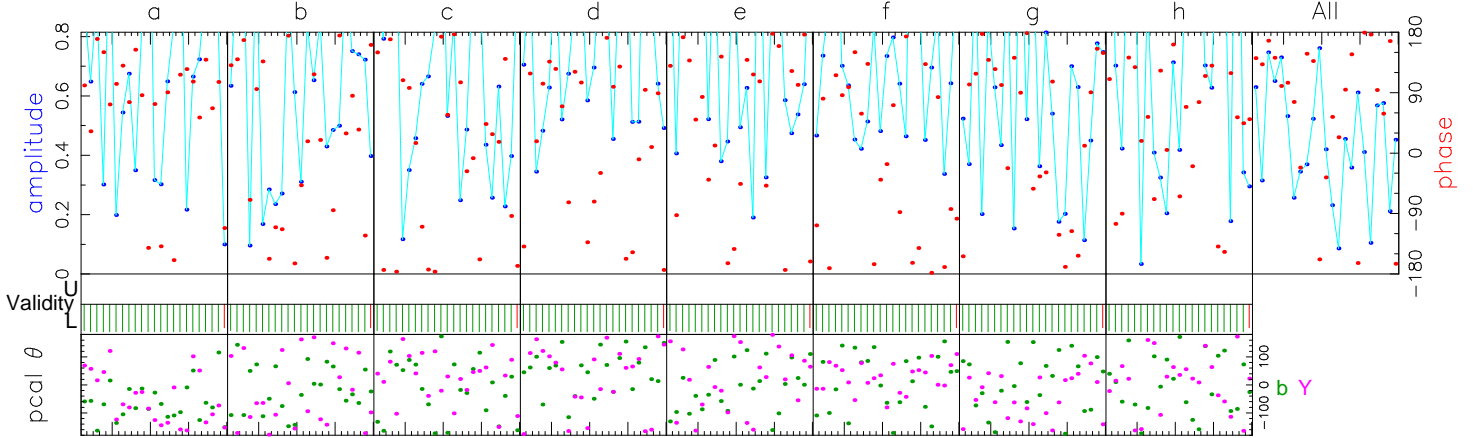
ph/seg (deg) 70.6 8.9 Theor. Amplitude 1.053 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 70.3 15.6 Search (1024X32) 1.006 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 13.0 5.3 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 6.3 9.2 Inc. seg. avg. 1.623 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 Y: az 249.7 el 13.7 pa 45.9 u,v (fr/asec) -10762.183 953.769 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/bY..zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/bY.W.151.zpwvdj



Fringe quality 9
SNR 7.9
Int time 228.084
Amp 0.272
Phase 135.9
PFD 1.8e-07
Delays (us)
SBD 0.018140
MBD 0.003932
Fringe rate (Hz)
-0.011285
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
2017:215:024632
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"

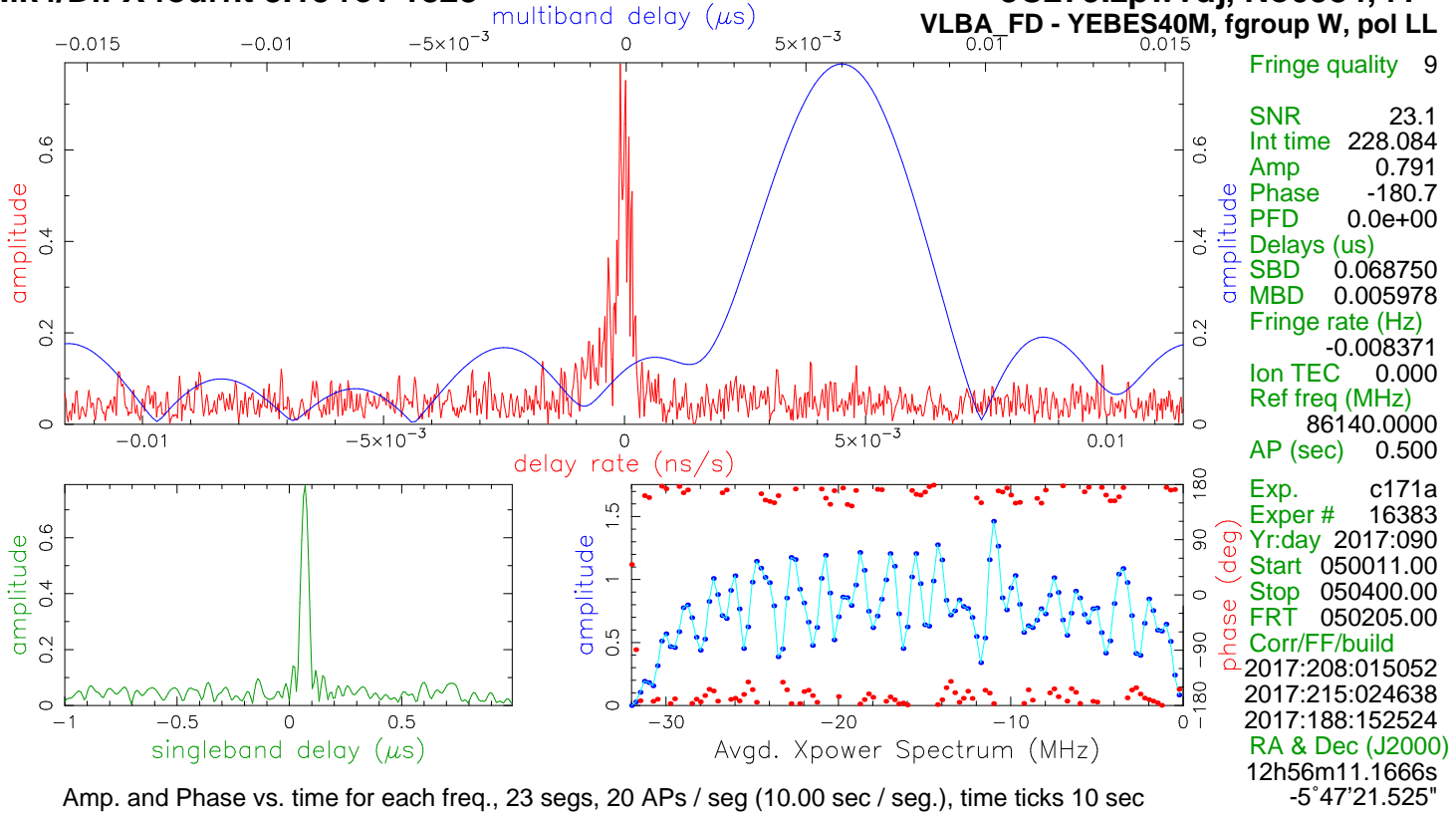


Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec



	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	135.9	135.9	
b	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	0.3	0.3	
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	162.7	131.3	
b:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0.0	0.0	
b:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0.0	0.0	
b	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
Y	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
b	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR			
Y	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL			
Group delay (usec)(sbd)	2.63037625519E+03		Apriori delay (usec)		2.63037232329E+03		Resid mbdelay (usec)		3.93190E-03	+/- 2.7E-04	
Sband delay (usec)	2.63039046279E+03		Apriori clock (usec)		-8.2301121E+00		Resid sbdelay (usec)		1.81395E-02	+/- 2.2E-03	
Phase delay (usec)	2.63037232767E+03		Apriori clockrate (us/s)		-4.4937320E-07		Resid phdelay (usec)		4.38277E-06	+/- 4.7E-07	
Delay rate (us/s)	1.86760473557E+00		Apriori rate (us/s)		1.86760486657E+00		Resid rate (us/s)		-1.31008E-07	+/- 3.5E-09	
Total phase (deg)	110.0		Apriori accel (us/s/s)		-1.51258253596E-05		Resid phase (deg)		135.9	+/- 14.4	
RMS	68.1	34.6	Amplitude		0.272 +/- 0.034		Pcal mode: MANUAL, MANUAL		PC period (AP's) 5, 5		
ph/seg (deg)	96.4	60.5	Search (1024X32)		0.262		Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-1.000 1.000	
amp/seg (%)	25.6	20.4	Interp.		0.000		Bits/sample: 2x2		SampCntNorm: enabled	mb window (us)	-0.016 0.016
ph/frq (deg)	31.9	35.7	Inc. seg. avg.		0.380		Sample rate(MSamp/s): 64		ion window (TEC)	0.00 0.00	
amp/frq (%)			Inc. frq. avg.		0.274		Data rate(Mb/s): 1024		nlags: 128	t_cohere infinite	

b: az 125.4 el 20.4 pa -33.2 Y: az 249.7 el 13.7 pa 45.9 u,v (fr/asec) -10762.183 953.769 simultaneous interpolator
Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/bY..zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/bY.W.152.zpwvdj



Fringe quality 9

SNR 23.1

Int time 228.084

Amp 0.791

Phase -180.7

PFD 0.0e+00

Delays (us)

SBD 0.068750

MBD 0.005978

Fringe rate (Hz)

-0.008371

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

2017:215:024638

2017:188:152524

RA & Dec (J2000)

12h56m11.1666s

-5°47'21.525"

	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	-176.9	-174.0	175.6	172.4	170.4	170.4	-177.9	-164.0	Phase	179.3
	1.0	1.0	0.7	0.9	1.0	0.6	0.6	0.7	Ampl.	0.8
	137.9	138.0	137.8	137.7	137.7	138.0	137.8	137.5	Sbd box	137.8
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
f	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
f:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
f:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
Y	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	9.11181076160E+03		Apriori delay (usec)		9.11174228391E+03		Resid mbdelay (usec)		5.97768E-03	+/- 9.4E-05
Sband delay (usec)	9.11181103391E+03		Apriori clock (usec)		-4.5196648E+00		Resid sbdelay (usec)		6.87500E-02	+/- 7.5E-04
Phase delay (usec)	9.11174228969E+03		Apriori clockrate (us/s)		-8.8280761E-07		Resid phdelay (usec)		5.78246E-06	+/- 1.6E-07
Delay rate (us/s)	1.82294109909E+00		Apriori rate (us/s)		1.82294119626E+00		Resid rate (us/s)		-9.71761E-08	+/- 1.2E-09
Total phase (deg)			Apriori accel (us/s/s)		-4.68524069153E-05		Resid phase (deg)		-180.7	+/- 5.0

ph/seg (deg) 70.1 11.9 Search (1024X32) 0.762 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5

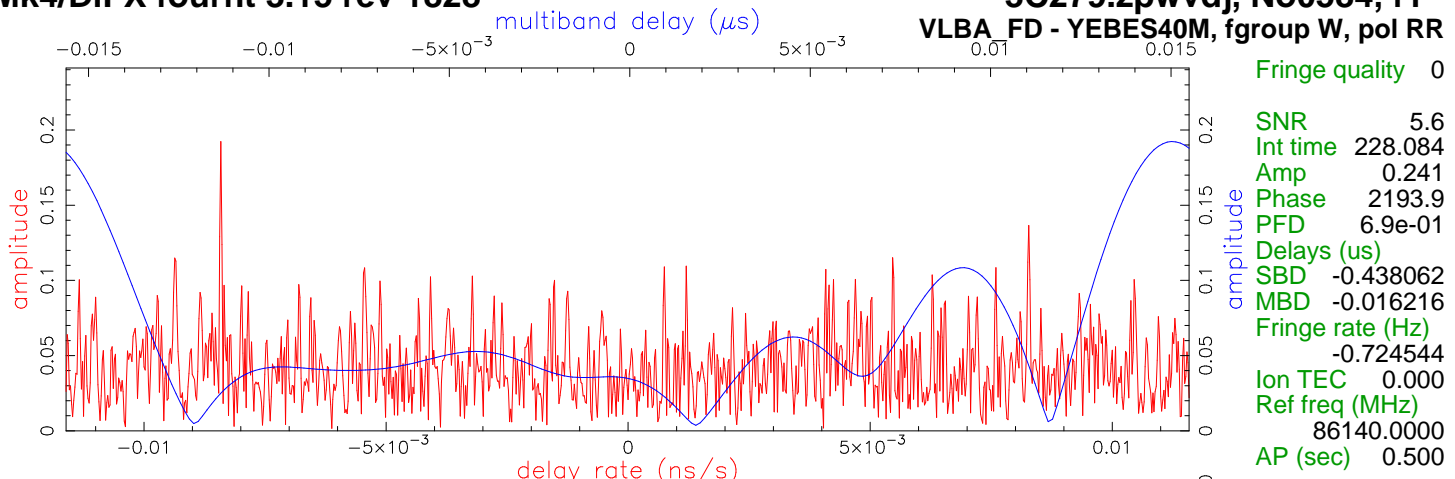
amp/seg (%) 96.1 20.8 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000

ph/frq (deg) 9.7 7.0 Inc. seg. avg. 1.423 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016

amp/frq (%) 18.6 12.2 Inc. frq. avg. 0.790 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012

f: az 132.0 el 40.8 pa -39.8 Y: az 249.7 el 13.7 pa 45.9 u,v (fr/asec) -10528.594 -860.864 ion window (TEC) 0.00 0.00

Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/fY..zpvdj Output file: /Exps/c171a/gmva/1234/No0584/fY.W.157.zpvdj simultaneous interpolator



Fringe quality 0

SNR 5.6

Int time 228.084

Amp 0.241

Phase 2193.9

PFD 6.9e-01

Delays (us)

SBD -0.438062

MBD -0.016216

Fringe rate (Hz)

-0.724544

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

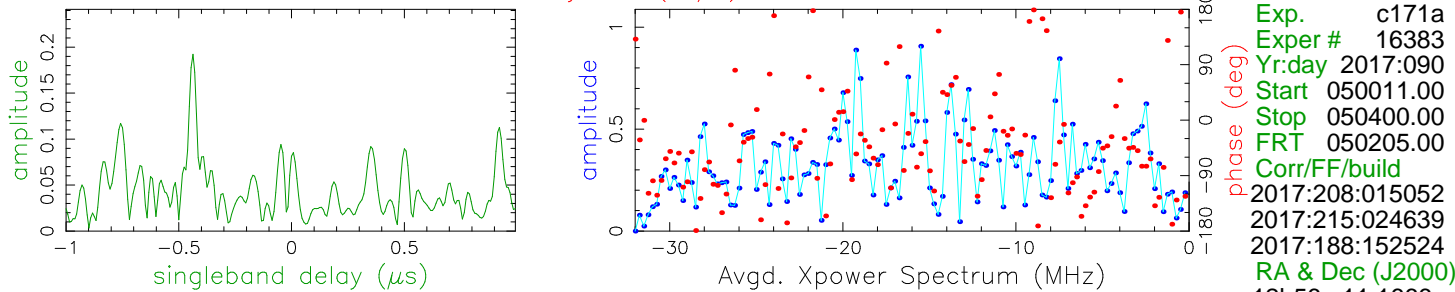
2017:208:015052

2017:215:024639

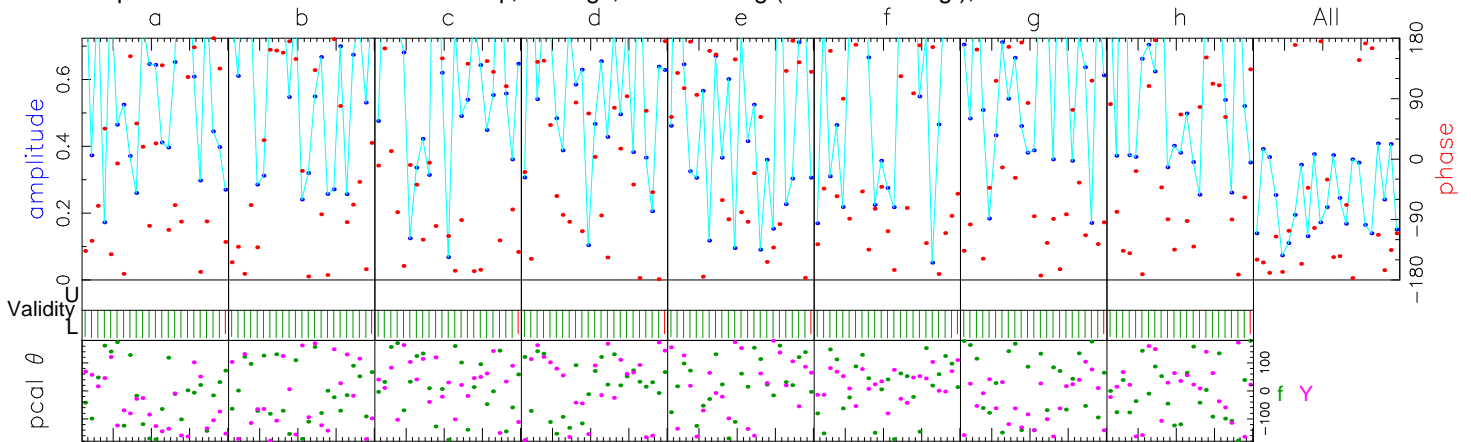
2017:188:152524

RA & Dec (J2000)

12h56m11.1666s
-5°47'21.525"



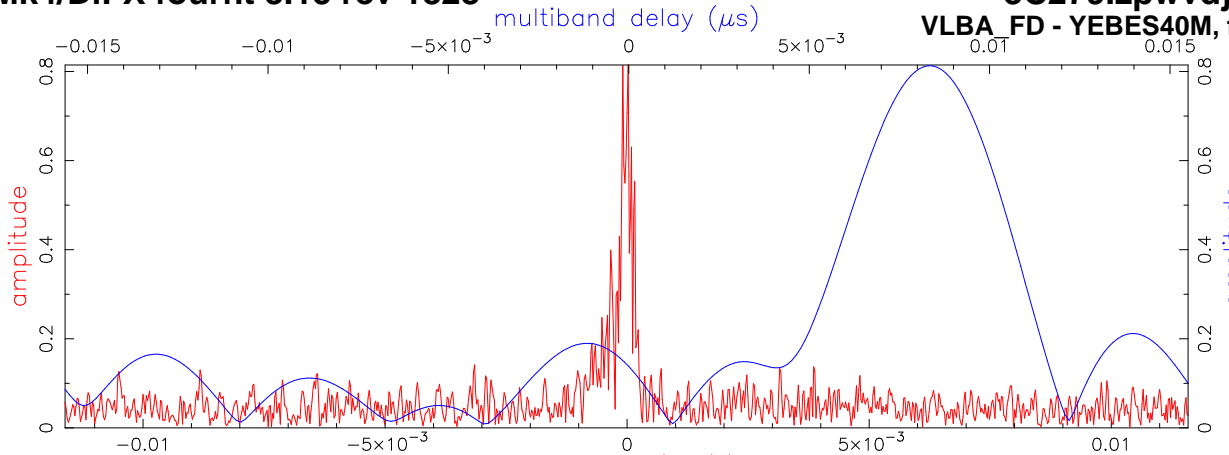
Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec



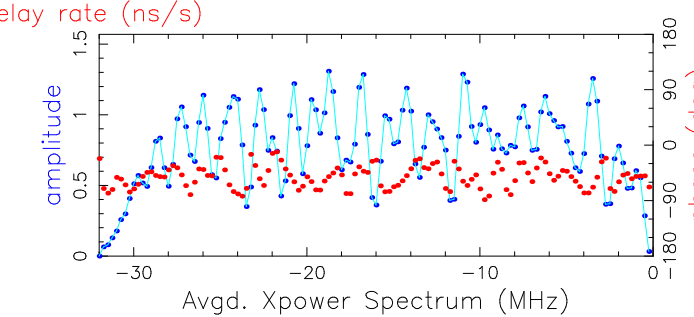
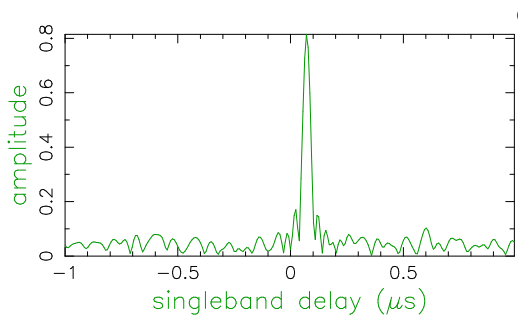
86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All	
-126.3	-166.2	-142.8	-176.5	-178.0	-105.6	-130.1	179.1	Phase	-146.1	
0.3	0.3	0.3	0.1	0.2	0.3	0.4	0.2	Ampl.	0.2	
166.9	71.6	253.7	50.6	11.6	33.8	72.0	78.8	Sbd box	72.9	
U/L 0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used		
f -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs		
Y -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs		
f:Y 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase		
f:Y 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC		
f 1000	1000	1000	1000	1000	1000	1000	1000	PC amp		
Y 1000	1000	1000	1000	1000	1000	1000	1000			
f W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids		
								Tracks		
Y W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids		
								Tracks		
Group delay (usec)(sbd)	9.11131981804E+03	Apriori delay (usec)		9.11174228391E+03	Resid mbdelay (usec)		-1.62159E-02	+/-	3.9E-04	
Sband delay (usec)	9.11130422191E+03	Apriori clock (usec)		-4.5196648E+00	Resid sbdelay (usec)		-4.38062E-01	+/-	3.1E-03	
Phase delay (usec)	9.11174227920E+03	Apriori clockrate (us/s)		-8.8280761E-07	Resid phdelay (usec)		-4.71286E-06	+/-	6.6E-07	
Delay rate (us/s)	1.82293278502E+00	Apriori rate (us/s)		1.82294119626E+00	Resid rate (us/s)		-8.41124E-06	+/-	5.0E-09	
Total phase (deg)	2314.9		Apriori accel (us/s/s)		-4.68524069153E-05	Resid phase (deg)		2193.9	+/-	20.4
RMS	Theor.	Amplitude		0.241 +/- 0.043	Pcal mode: MANUAL, MANUAL		PC period (AP's) 5, 5			
ph/seg (deg)	47.5	48.9	Search (1024X32)	0.186	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-1.000	1.000	
amp/seg (%)	64.3	85.4	Interp.	0.000	Bits/sample: 2x2		SampCntNorm: enabled	mb window (us)	-0.016	0.016
ph/frq (deg)	31.2	28.8	Inc. seg. avg.	0.232	Sample rate(MSamp/s): 64		dr window (ns/s)	-0.012	0.012	
amp/frq (%)	32.9	50.3	Inc. frq. avg.	0.238	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 Y: az 249.7 el 13.7 pa 45.9 u,v (fr/asec) -10528.594 -860.864 simultaneous interpolator

Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/fY..zpwndj Output file: /Exps/c171a/gmva/1234/No0584/fY.W.158.zpwndj

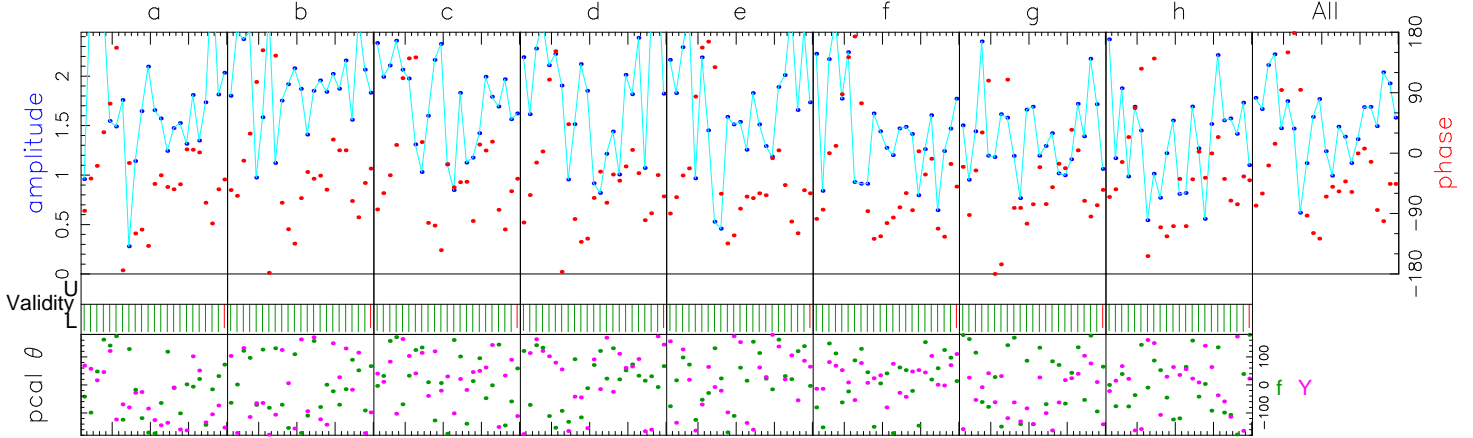


Fringe quality 9
 SNR 23.8
 Int time 228.084
 Amp 0.815
 Phase -415.1
 PFD 0.0e+00
 Delays (us)
 SBD 0.071474
 MBD 0.008354
 Fringe rate (Hz)
 -0.008400
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.500



Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050011.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024640
 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

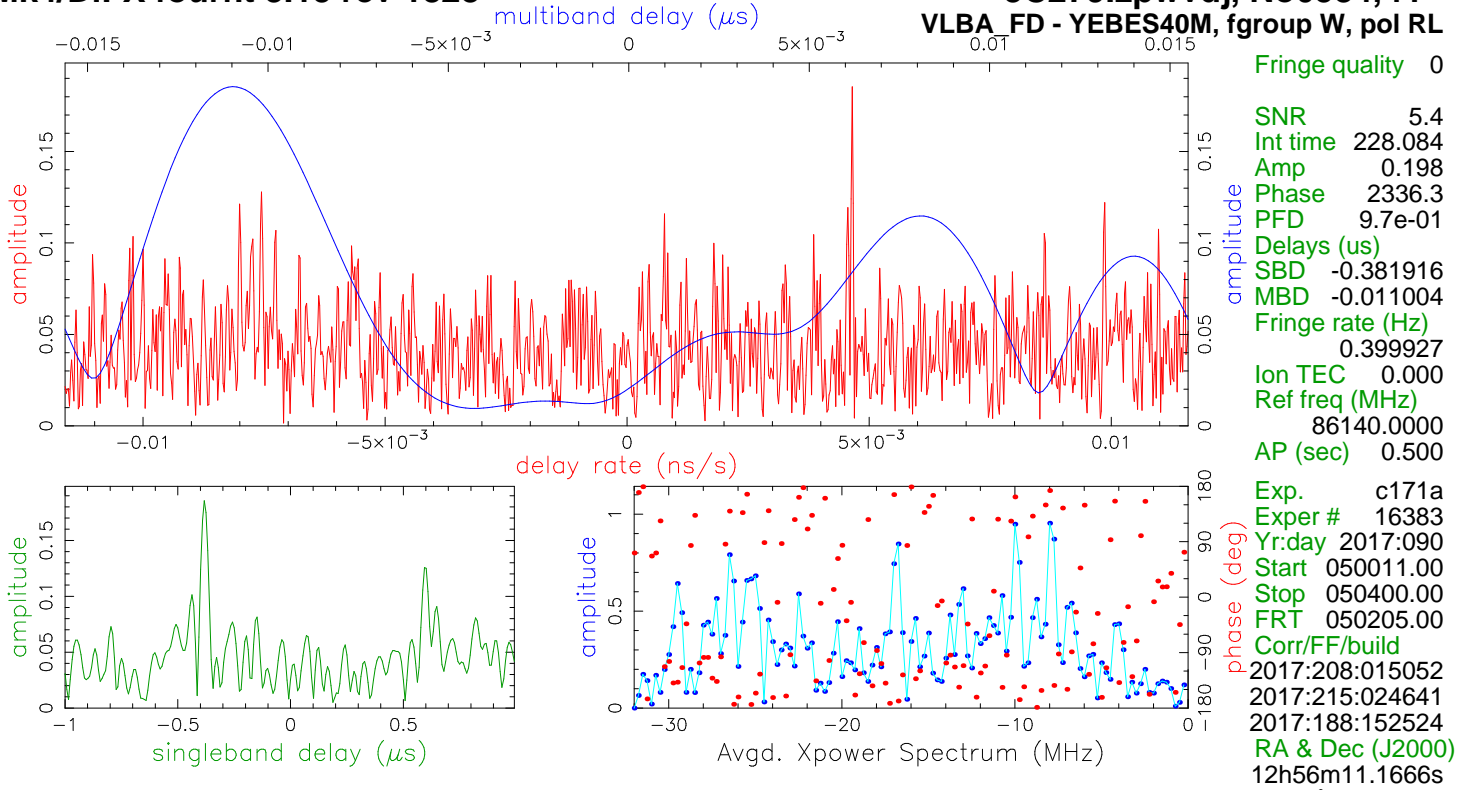


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	Ampl.	0.8
f	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	Sbd box	138.1
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	APs used	
f:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC freqs	
f:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
f	1000	1000	1000	1000	1000	1000	1000	1000	ManI PC	
Y	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
f	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
Y	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	

Group delay (usec)(sbd) 9.11181313753E+03 Apriori delay (usec) 9.11174228391E+03 Resid mbdelay (usec) 8.35362E-03 +/- 9.1E-05
 Sband delay (usec) 9.11181375791E+03 Apriori clock (usec) -4.5196648E+00 Resid sbdelay (usec) 7.14740E-02 +/- 7.2E-04
 Phase delay (usec) 9.11174228214E+03 Apriori clockrate (us/s) -8.8280761E-07 Resid phdelay (usec) -1.77530E-06 +/- 1.6E-07
 Delay rate (us/s) 1.82294109875E+00 Apriori rate (us/s) 1.82294119626E+00 Resid rate (us/s) -9.75128E-08 +/- 1.2E-09
 Total phase (deg) -294.0 Apriori accel (us/s/s) -4.68524069153E-05 Resid phase (deg) -415.1 +/- 4.8

RMS Theor. Amplitude 0.815 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 70.6 11.5 Search (1024X32) 0.768 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 amp/seg (%) 100.4 20.2 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 ph/frq (deg) 10.4 6.8 Inc. seg. avg. 1.516 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 (%) 17.8 11.9 Inc. frq. avg. 0.818 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 Y: az 249.7 el 13.7 pa 45.9 u,v (fr/asec) -10528.594 -860.864 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/fY..zpvdj Output file: /Exps/c171a/gmva/1234/No0584/fY.W.159.zpvdj

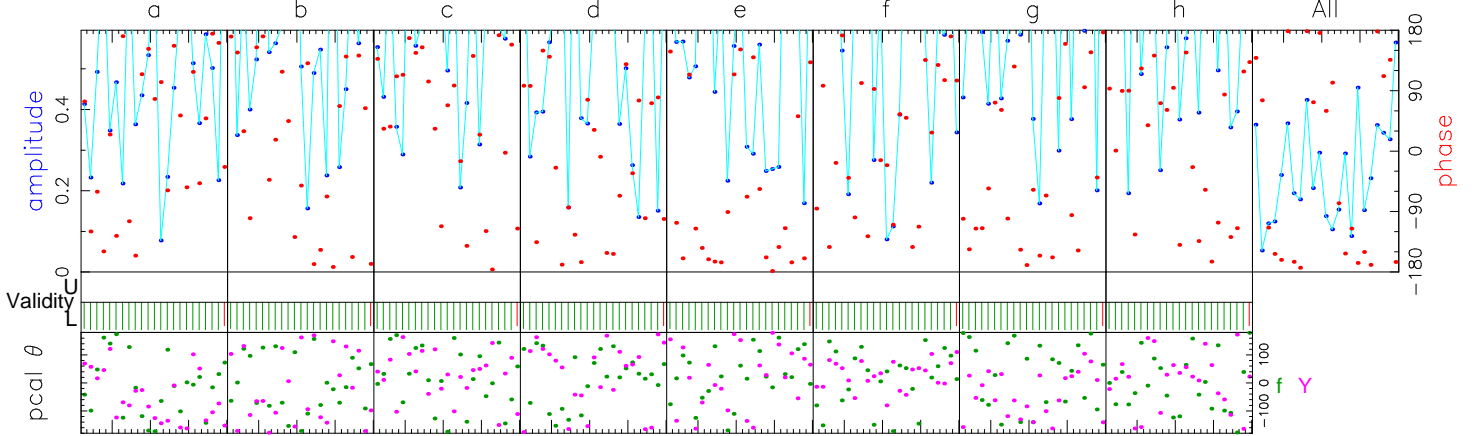


Fringe quality 0

SNR 5.4
Int time 228.084
Amp 0.198
Phase 2336.3
PFD 9.7e-01
Delays (us)
SBD -0.381916
MBD -0.011004
Fringe rate (Hz) 0.399927
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
2017:215:024641
2017:188:152524
RA & Dec (J2000) 12h56m11.1666s -5°47'21.525"

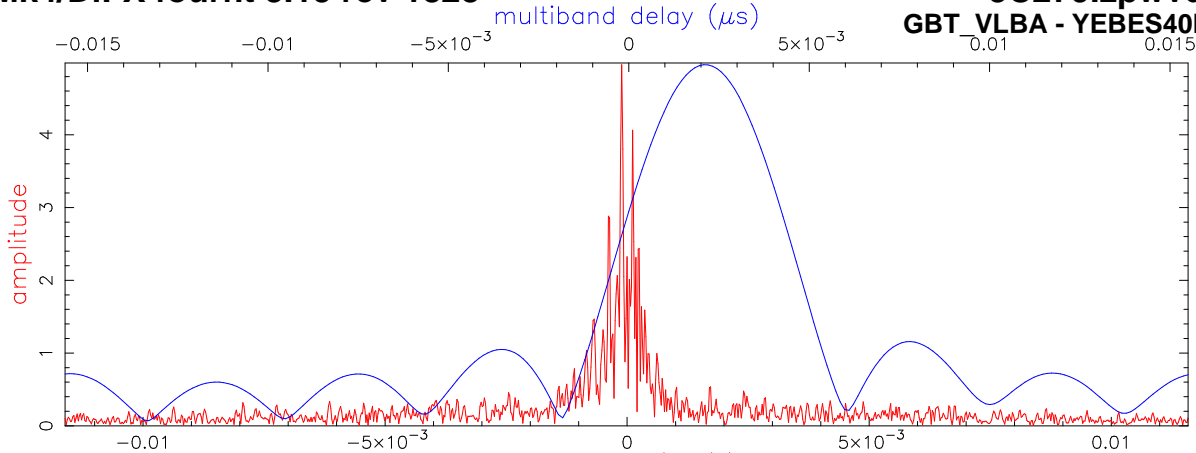
Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec



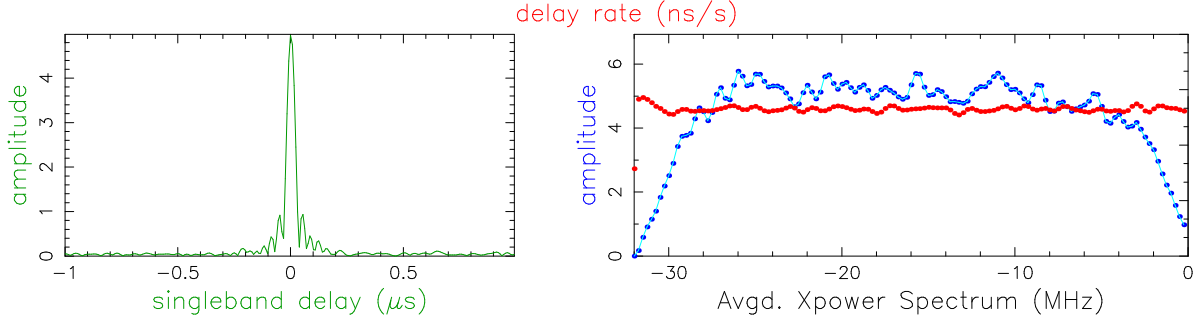
86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
-169.1	176.0	143.2	-169.9	-165.3	-177.4	-160.6	113.5	Phase	176.3
0.0	0.3	0.1	0.1	0.4	0.1	0.4	0.2	Ampl.	0.2
71.1	206.2	85.8	26.9	81.1	22.8	138.4	124.6	Sbd box	80.1
U/L 0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
f -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
f:Y 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
f:Y 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
f 1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y 1000	1000	1000	1000	1000	1000	1000	1000		
f W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
Y W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
Group delay (usec)(sbd)	9.11135628026E+03	Apriori delay (usec)	9.11174228391E+03	Resid mbdelay (usec)	-1.10036E-02	+/-	4.0E-04		
Sband delay (usec)	9.11136036741E+03	Apriori clock (usec)	-4.5196648E+00	Resid sbdelay (usec)	-3.81916E-01	+/-	3.2E-03		
Phase delay (usec)	9.11174228960E+03	Apriori clockrate (us/s)	-8.8280761E-07	Resid phdelay (usec)	5.68482E-06	+/-	6.8E-07		
Delay rate (us/s)	1.82294583902E+00	Apriori rate (us/s)	1.82294119626E+00	Resid rate (us/s)	4.64276E-06	+/-	5.2E-09		
Total phase (deg)	2457.3	Apriori accel (us/s/s)	-4.68524069153E-05	Resid phase (deg)	2336.3	+/-	21.1		
RMS	Theor.	Amplitude	0.198 +/- 0.037	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5		
ph/seg (deg)	56.5	Search (1024X32)	0.178	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000	1.000	
amp/seg (%)	76.8	Interp.	0.000	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.016	0.016
ph/frq (deg)	32.5	Inc. seg. avg.	0.191	Sample rate(MSamp/s):	64	ion window (TEC)	0.00	0.00	
amp/frq (%)	65.7	Inc. frq. avg.	0.197	Data rate(Mb/s):	1024	nlags: 128	t_cohere	infinite	

f: az 132.0 el 40.8 pa -39.8 Y: az 249.7 el 13.7 pa 45.9 u,v (fr/asec) -10528.594 -860.864 simultaneous interpolator

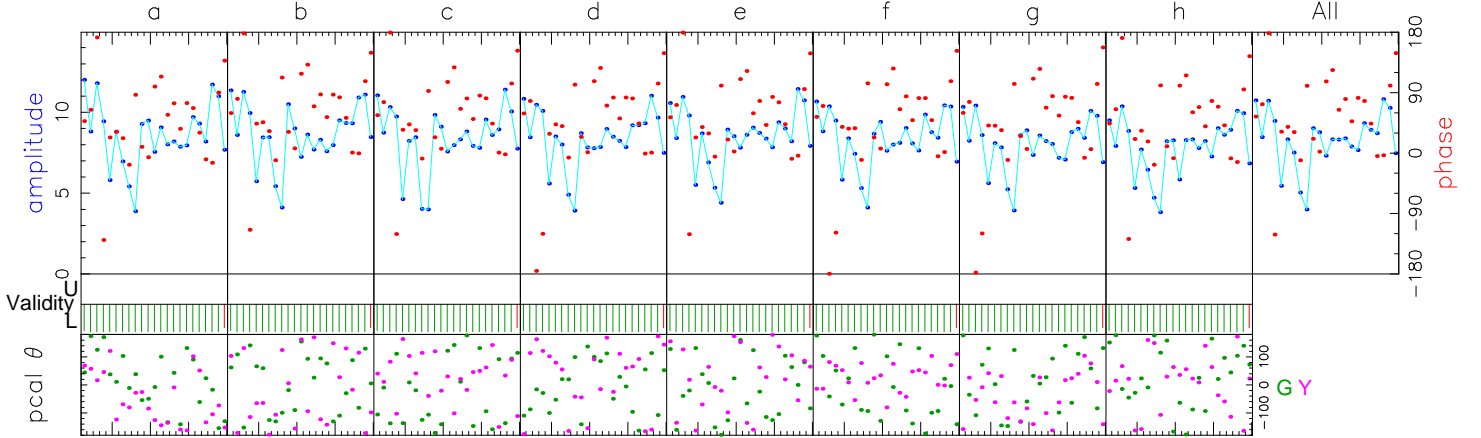
Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/fY..zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/fY.W.160.zpwwdj



Fringe quality 5
SNR 145.6
Int time 228.084
Amp 4.986
Phase 59.7
PFD 0.0e+00
Delays (us)
SBD 0.001897
MBD 0.002126
Fringe rate (Hz) -0.009074
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
2017:215:024708
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"

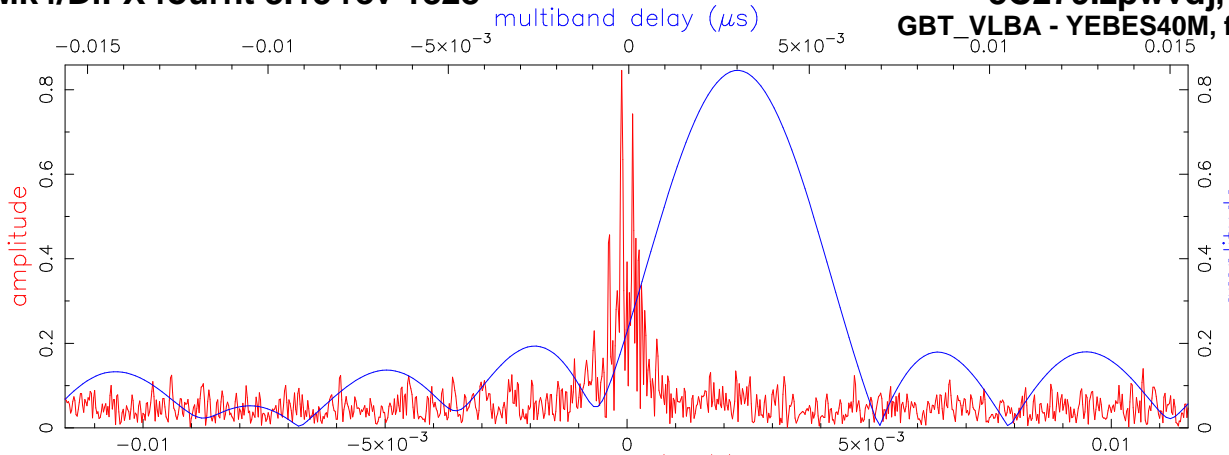


Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec

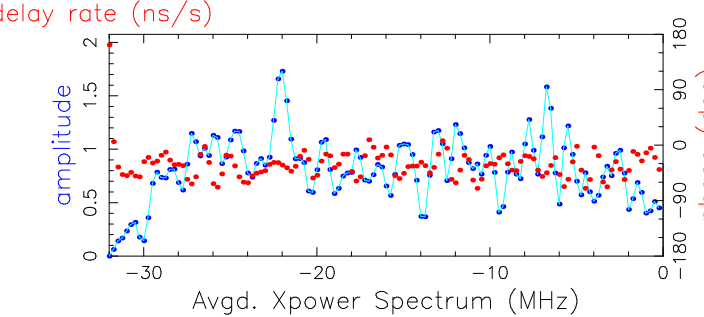
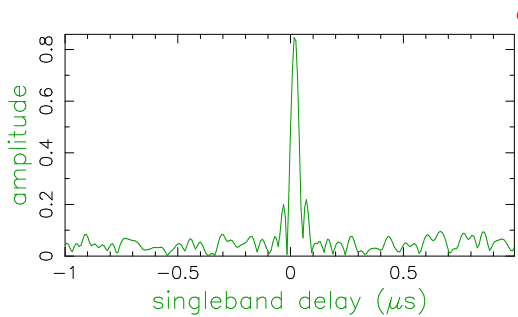


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	Ampl.	5.0
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	Sbd box	129.2
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	APs used	
G:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC freqs	
G:Y	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	
Y	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
G	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
Y	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)		1.00901569378E+04		Apriori delay (usec)		1.00901548113E+04		Resid mbdelay (usec)	2.12648E-03	+/- 1.5E-05
Sband delay (usec)		1.00901567083E+04		Apriori clock (usec)		-1.5028654E+01		Resid sbdelay (usec)	1.89700E-03	+/- 1.2E-04
Phase delay (usec)		1.00901548132E+04		Apriori clockrate (us/s)		-2.2999999E-07		Resid phdelay (usec)	1.92563E-06	+/- 2.5E-08
Delay rate (us/s)		1.28750712661E+00		Apriori rate (us/s)		1.28750723195E+00		Resid rate (us/s)	-1.05339E-07	+/- 1.9E-10
Total phase (deg)			220.3	Apriori accel (us/s/s)		-5.34051368417E-05		Resid phase (deg)	59.7	+/- 0.8
RMS		Theor.	Amplitude	4.986 +/- 0.034	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5		
ph/seg (deg)	60.8	1.9	Search (1024X32)	4.763	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000	1.000	
amp/seg (%)	74.7	3.3	Interp.	0.000	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.016	0.016
ph/frq (deg)	6.0	1.1	Inc. seg. avg.	8.296	Sample rate(MSamp/s):	64		dr window (ns/s)	-0.012	0.012
amp/frq (%)	3.2	1.9	Inc. frq. avg.	4.982	Data rate(Mb/s):	1024	nlags: 128 t_cohere infinite	ion window (TEC)	0.00	0.00

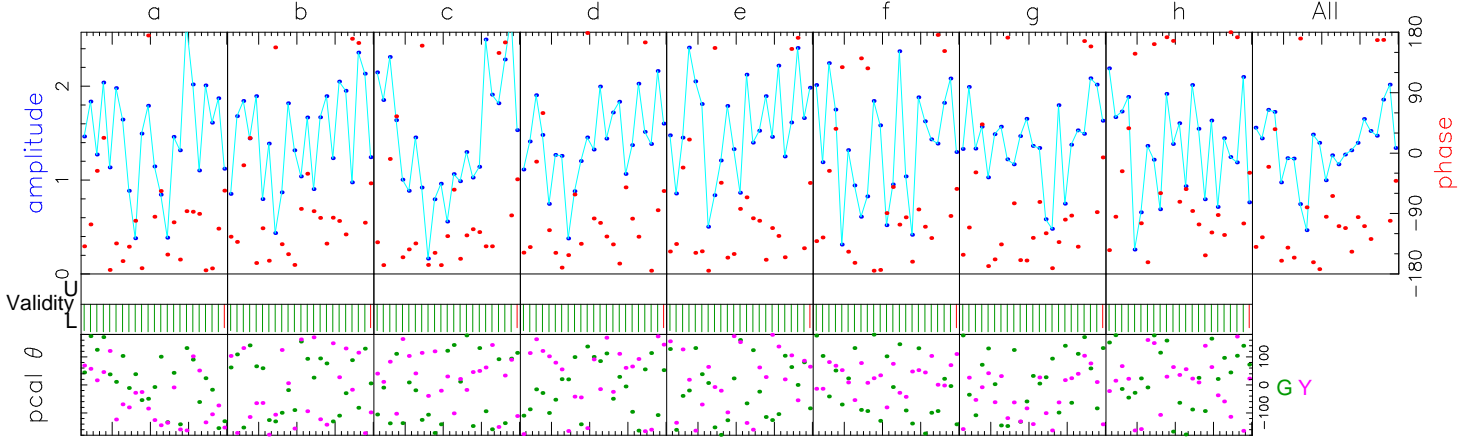
G: az 165.5 el 44.7 pa -11.0 Y: az 249.7 el 13.7 pa 45.9 u,v (fr/asec) -7450.307 179.905 simultaneous interpolator
Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/GY..zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/GY.W.185.zpwwdj



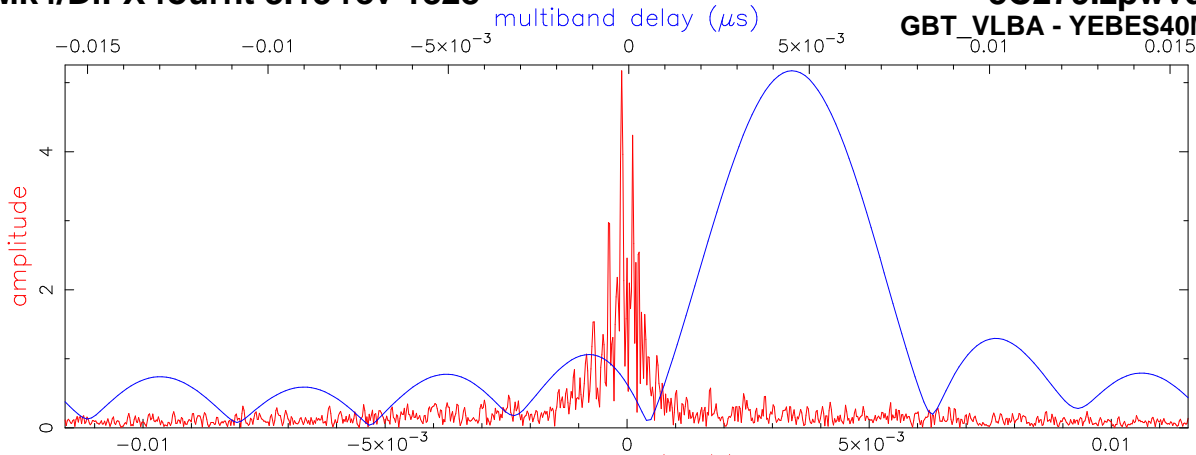
Fringe quality 7
SNR 25.1
Int time 228.084
Amp 0.859
Phase -305.6
PFD 0.0e+00
Delays (us)
SBD 0.018894
MBD 0.003030
Fringe rate (Hz)
-0.009207
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.500
Exp. c171a
Exper # 16383
Yr:day 2017:090
Start 050011.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052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



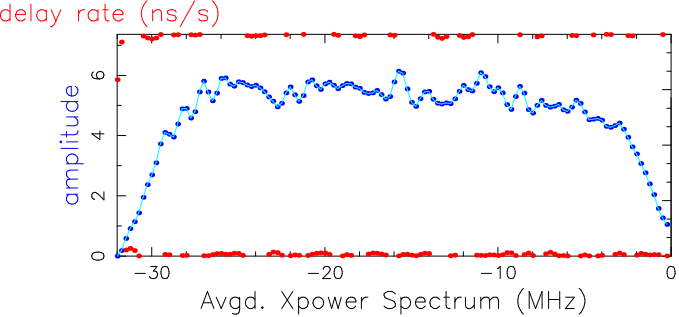
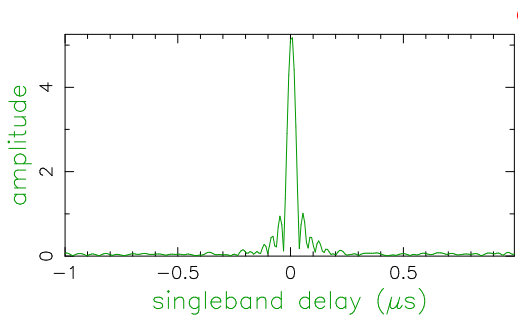
Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec



	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	-122.6	-119.6	-136.4	-123.5	-127.7	-124.3	-130.9	-119.7	Phase	-125.6
	0.9	0.9	0.8	0.9	0.9	0.7	0.8	0.7	Ampl.	0.8
	131.2	131.8	131.6	131.4	131.6	131.5	131.5	130.8	Sbd box	131.4
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
G	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y	1000	1000	1000	1000	1000	1000	1000	1000		
G	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
Y	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	1.00901890913E+04		Apriori delay (usec)		1.00901548113E+04		Resid mbdelay (usec)		3.03004E-03	+/- 8.7E-05
Sband delay (usec)	1.00901737053E+04		Apriori clock (usec)		-1.5028654E+01		Resid sbdelay (usec)		1.88940E-02	+/- 6.9E-04
Phase delay (usec)	1.00901548073E+04		Apriori clockrate (us/s)		-2.2999999E-07		Resid phdelay (usec)		-4.04875E-06	+/- 1.5E-07
Delay rate (us/s)	1.28750712507E+00		Apriori rate (us/s)		1.28750723195E+00		Resid rate (us/s)		-1.06887E-07	+/- 1.1E-09
Total phase (deg)			Apriori accel (us/s/s)		-5.34051368417E-05		Resid phase (deg)		-305.6	+/- 4.6
RMS	56.0	11.0	Amplitude		0.859 +/- 0.034		Pcal mode: MANUAL, MANUAL		PC period (AP's) 5, 5	
ph/seg (deg)	70.9	19.1	Search (1024X32)		0.825		Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-1.000 1.000
amp/seg (%)	6.3	6.5	Interp.		0.000		Bits/sample: 2x2		mb window (us)	-0.016 0.016
ph/frq (deg)	8.8	11.3	Inc. seg. avg.		1.336		Sample rate(MSamp/s): 64		dr window (ns/s)	-0.012 0.012
amp/frq (%)			Inc. frq. avg.		0.844		Data rate(Mb/s): 1024		ion window (TEC)	0.00 0.00
G: az 165.5 el 44.7 pa -11.0	Y: az 249.7 el 13.7 pa 45.9		u,v (fr/asec)		-7450.307 179.905		nlags: 128 t_cohere infinite		simultaneous interpolator	

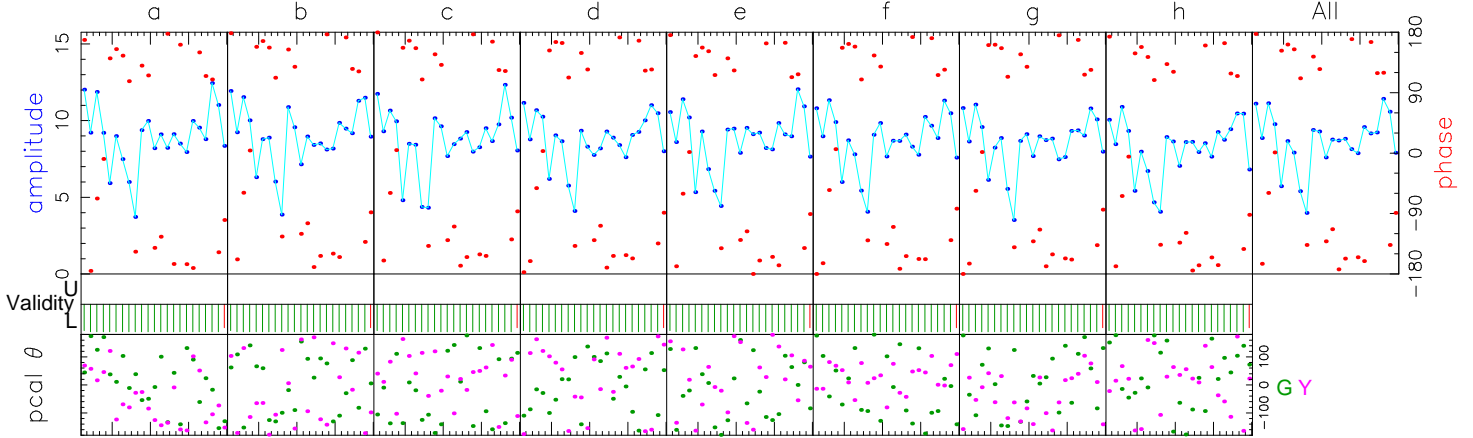


Fringe quality 5
 SNR 153.5
 Int time 228.084
 Amp 5.256
 Phase -178.1
 PFD 0.0e+00
 Delays (us)
 SBD 0.004337
 MBD 0.004506
 Fringe rate (Hz)
 -0.009077
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.500



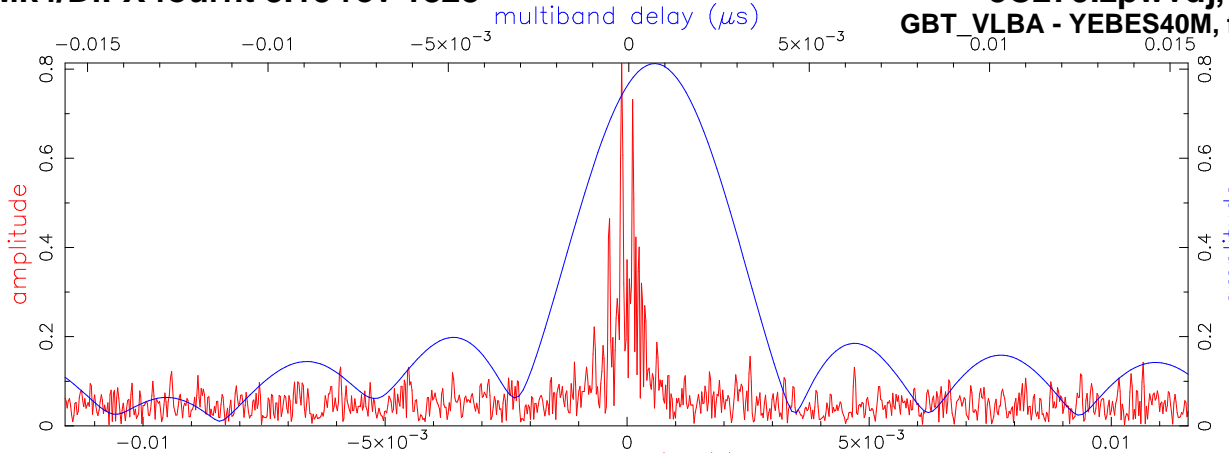
Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050011.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024710
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"

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

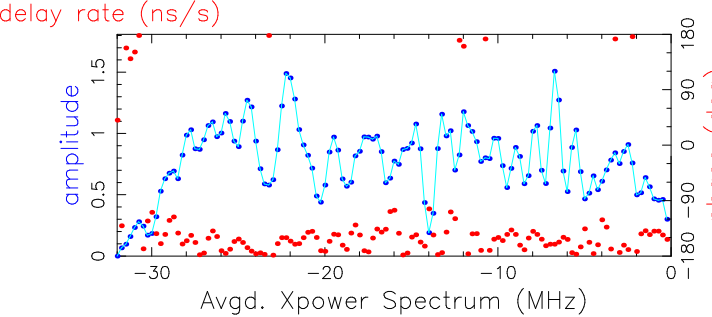
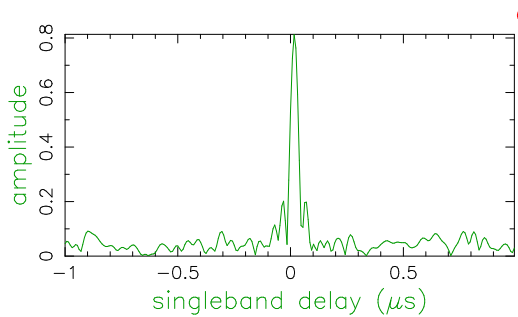


86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
172.1	-172.5	-174.2	-175.4	178.9	-175.9	-175.6	177.6	Phase	-178.1
5.4	5.3	5.3	5.2	5.2	5.2	5.1	4.9	Ampl.	5.2
129.7	129.7	129.5	129.5	129.5	129.6	129.6	129.3	Sbd box	129.6
U/L 0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
G -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G:Y 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:Y 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
G 1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y 1000	1000	1000	1000	1000	1000	1000	1000		
G W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
Y W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	
								Chan ids	
								Tracks	
Group delay (usec)(sbd)	1.00901593176E+04	Apriori delay (usec)	1.00901548113E+04	Resid mbdelay (usec)	4.50629E-03	+/-	1.4E-05		
Sband delay (usec)	1.00901591488E+04	Apriori clock (usec)	-1.5028654E+01	Resid sbdelay (usec)	4.33750E-03	+/-	1.1E-04		
Phase delay (usec)	1.00901548056E+04	Apriori clockrate (us/s)	-2.2999999E-07	Resid phdelay (usec)	-5.74415E-06	+/-	2.4E-08		
Delay rate (us/s)	1.28750712657E+00	Apriori rate (us/s)	1.28750723195E+00	Resid rate (us/s)	-1.05378E-07	+/-	1.8E-10		
Total phase (deg)	-17.5	Apriori accel (us/s/s)	-5.34051368417E-05	Resid phase (deg)	-178.1	+/-	0.7		

ph/seg (deg) 60.8 1.8 Theor. Amplitude 5.256 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 72.8 3.1 Search (1024X32) 4.924 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 5.6 1.1 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 3.0 1.8 Inc. seg. avg. 8.650 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 Inc. frq. avg. 5.191 u,v (fr/asec) -7450.307 179.905 simultaneous interpolator

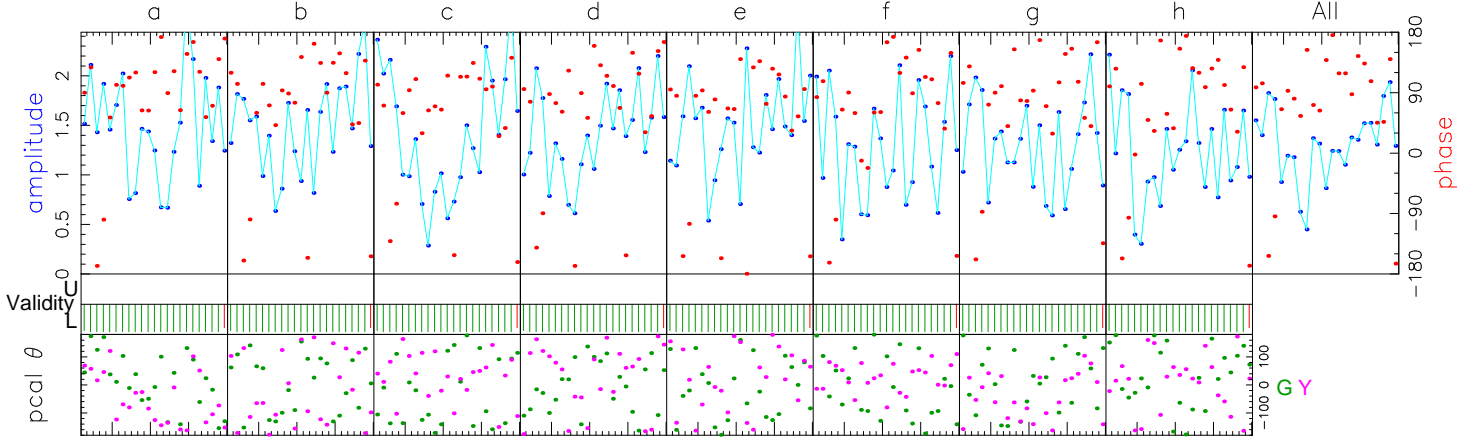


Fringe quality 9
SNR 23.8
Int time 228.084
Amp 0.814
Phase -68.7
PFD 0.0e+00
Delays (us)
SBD 0.016724
MBD 0.000723
Fringe rate (Hz)
-0.009253
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.500

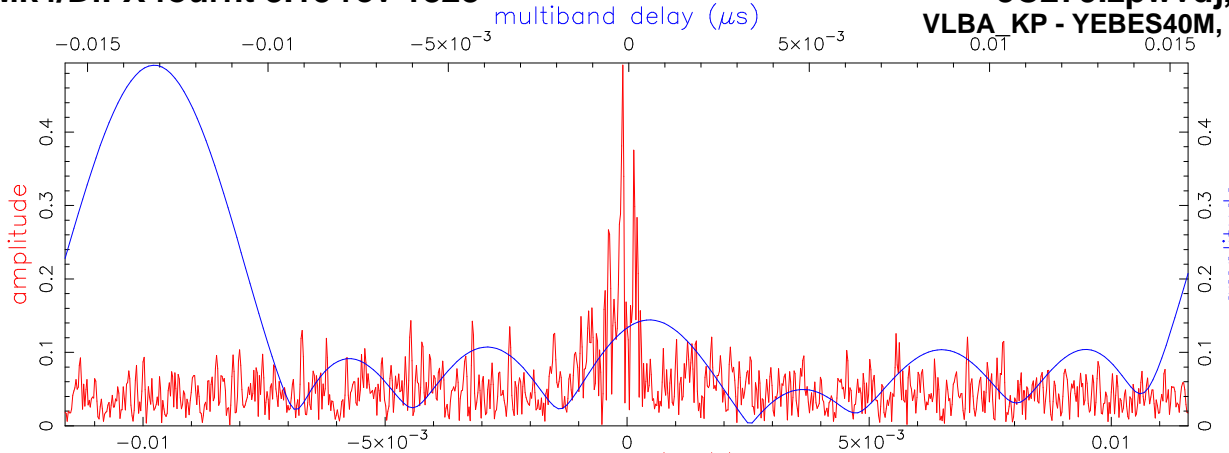


Exp. c171a
Exper # 16383
Yr:day 2017:090
Start 050011.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052
2017:215:024711
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"

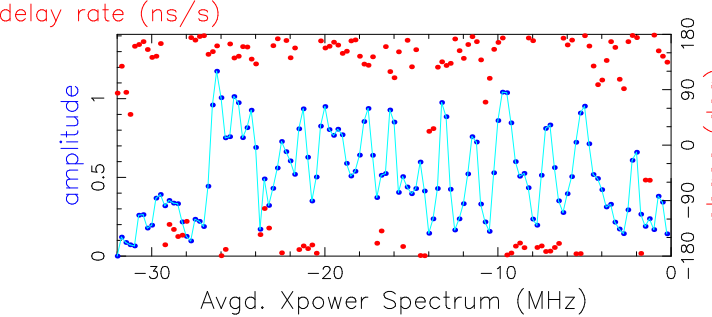
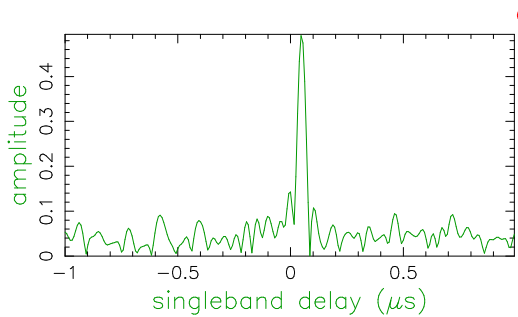
Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec



	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	113.7	114.9	101.5	115.1	107.6	113.7	107.0	116.1	Phase	111.3
	1.0	0.9	0.8	0.8	0.9	0.7	0.7	0.7	Ampl.	0.8
	131.0	131.5	131.1	131.2	131.3	131.1	131.5	130.5	Sbd box	131.1
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
G	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y	1000	1000	1000	1000	1000	1000	1000	1000		
G	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
									Tracks	
Y	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
									Tracks	
Group delay (usec)(sbd)	1.00901867845E+04		Apriori delay (usec)		1.00901548113E+04		Resid mbdelay (usec)		7.23229E-04	+/- 9.1E-05
Sband delay (usec)	1.00901715348E+04		Apriori clock (usec)		-1.5028654E+01		Resid sbdelay (usec)		1.67235E-02	+/- 7.3E-04
Phase delay (usec)	1.00901548149E+04		Apriori clockrate (us/s)		-2.2999999E-07		Resid phdelay (usec)		3.58845E-06	+/- 1.6E-07
Delay rate (us/s)	1.28750712453E+00		Apriori rate (us/s)		1.28750723195E+00		Resid rate (us/s)		-1.07421E-07	+/- 1.2E-09
Total phase (deg)	91.9		Apriori accel (us/s/s)		-5.34051368417E-05		Resid phase (deg)		-68.7	+/- 4.8
RMS	Theor.	Amplitude	0.814 +/- 0.034		Pcal mode: MANUAL, MANUAL		PC period (AP's) 5, 5			
ph/seg (deg)	54.6	11.6	Search (1024X32)	0.789	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-1.000	1.000	
amp/seg (%)	75.3	20.2	Interp.	0.000	Bits/sample: 2x2		SampCntNorm: enabled	mb window (us)	-0.016	0.016
ph/frq (deg)	5.6	6.8	Inc. seg. avg.	1.286	Sample rate(MSamp/s): 64		dr window (ns/s)	-0.012	0.012	
amp/frq (%)	12.6	11.9	Inc. frq. avg.	0.810	Data rate(Mb/s): 1024		nlags: 128 t_cohere infinite	ion window (TEC)	0.00	0.00
G: az 165.5 el 44.7 pa -11.0	Y: az 249.7 el 13.7 pa 45.9		u,v (fr/asec) -7450.307 179.905						simultaneous interpolator	

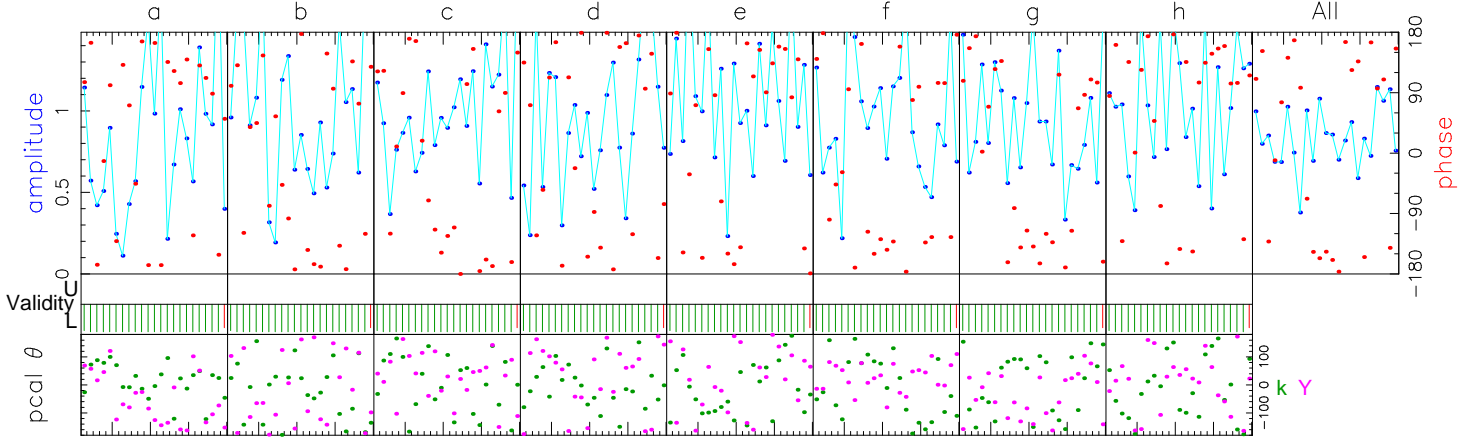


Fringe quality 9
 SNR 14.4
 Int time 228.084
 Amp 0.494
 Phase -193.9
 PFD 5.2e-39
 Delays (us)
 SBD 0.049077
 MBD -0.013175
 Fringe rate (Hz)
 -0.008516
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.500



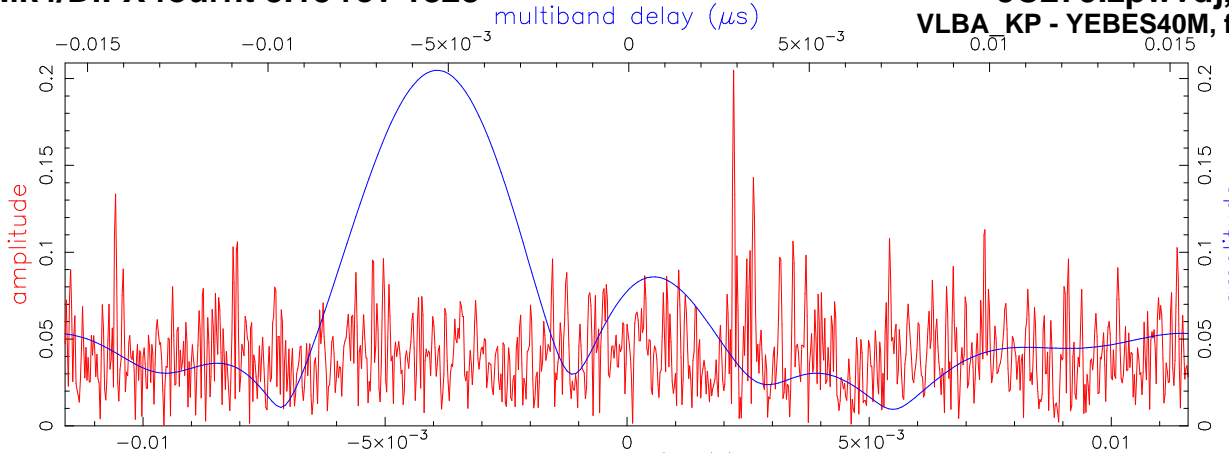
Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050011.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024712
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"

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

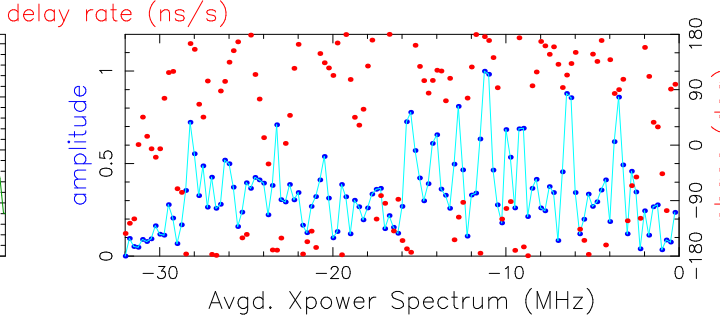
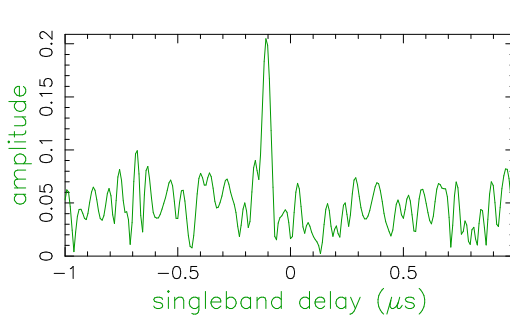


86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
152.3	175.4	162.9	178.0	156.7	-175.8	166.0	156.0	Phase	166.1
0.5	0.4	0.4	0.5	0.5	0.5	0.4	0.6	Ampl.	0.5
135.0	136.2	134.6	134.7	135.6	135.6	135.7	134.9	Sbd box	135.3
U/L 0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
k -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
k:Y 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
k:Y 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	
Y 1000	1000	1000	1000	1000	1000	1000	1000		
k W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
Y W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
								Chan ids	
								Tracks	
Group delay (usec)(sbd)	7.38545190651E+03		Apriori delay (usec)	7.38540258121E+03		Resid mbdelay (usec)	-1.31747E-02	+/-	1.5E-04
Sband delay (usec)	7.38545165771E+03		Apriori clock (usec)	-6.8307261E+00		Resid sbdelay (usec)	4.90765E-02	+/-	1.2E-03
Phase delay (usec)	7.38540258656E+03		Apriori clockrate (us/s)	-4.6401918E-07		Resid phdelay (usec)	5.35597E-06	+/-	2.6E-07
Delay rate (us/s)	1.95128635140E+00		Apriori rate (us/s)	1.95128645027E+00		Resid rate (us/s)	-9.88667E-08	+/-	1.9E-09
Total phase (deg)		-69.7	Apriori accel (us/s/s)	-3.79128759893E-05		Resid phase (deg)	-193.9	+/-	7.9

ph/seg (deg) 62.9 19.0 Theor. Amplitude 0.494 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 79.5 33.2 Search (1024X32) 0.462 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 12.6 11.2 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 13.6 19.6 Inc. seg. avg. 0.797 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 Y: az 249.7 el 13.7 pa 45.9 u,v (fr/asec) -11261.032 -759.812 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/kY..zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/kY.W.189.zpwvdj

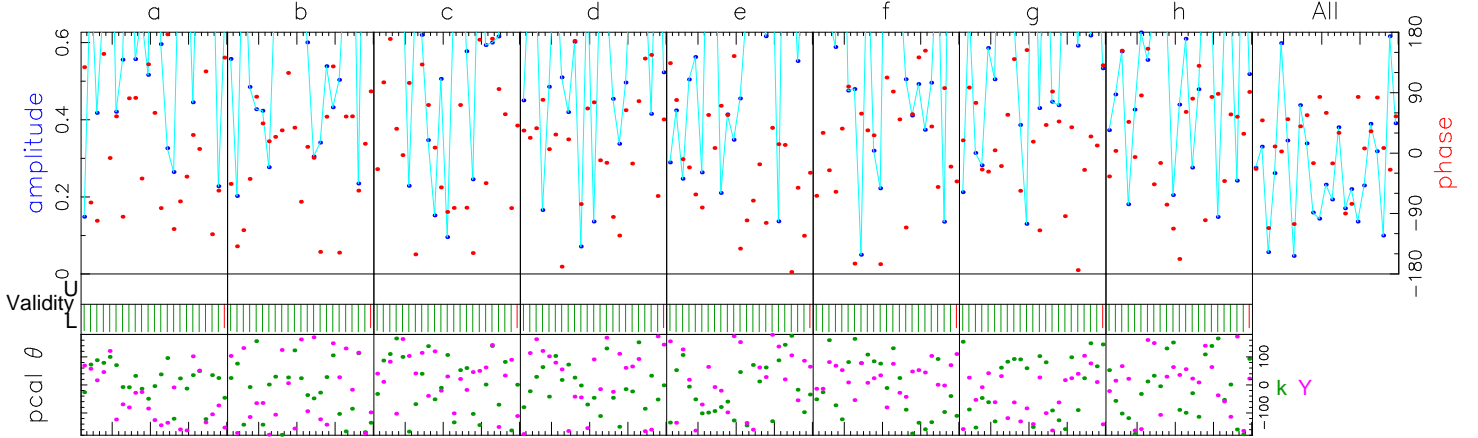


Fringe quality 0
SNR 6.0
Int time 228.084
Amp 0.209
Phase 561.5
PFD 1.1e-01
Delays (us)
SBD -0.107174
MBD -0.005304
Fringe rate (Hz) 0.189738
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.500
Exp. c171a
Exper # 16383
Yr:day 2017:090
Start 050011.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052
2017:215:024713
2017:188:152524
RA & Dec (J2000) 12h56m11.1666s
-5°47'21.525"



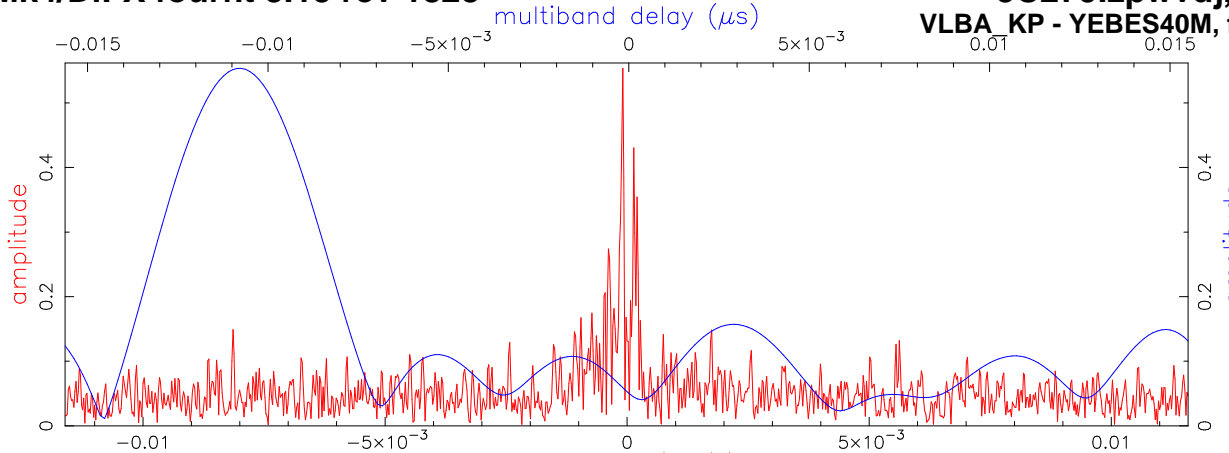
Avgd. Xpower Spectrum (MHz)

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

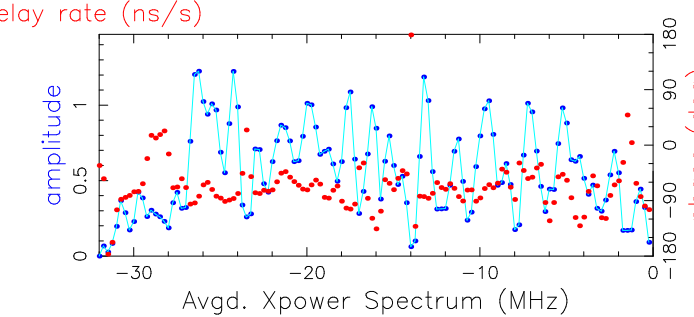
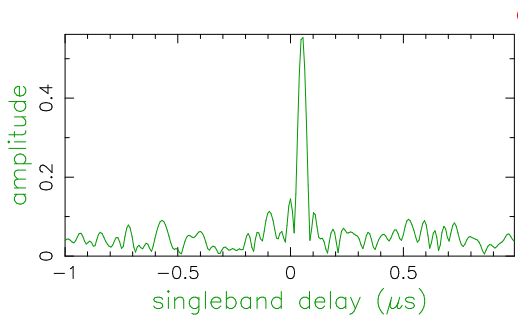


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458		
k	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
k:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
k:Y	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	
Y	1000	1000	1000	1000	1000	1000	1000	1000		
k	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
Y	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	7.38530352745E+03		Apriori delay (usec)		7.38540258121E+03		Resid mbdelay (usec)		-5.30376E-03	+/- 3.6E-04
Sband delay (usec)	7.38529540721E+03		Apriori clock (usec)		-6.8307261E+00		Resid sbdelay (usec)		-1.07174E-01	+/- 2.9E-03
Phase delay (usec)	7.38540258190E+03		Apriori clockrate (us/s)		-4.6401918E-07		Resid phdelay (usec)		6.94365E-07	+/- 6.1E-07
Delay rate (us/s)	1.95128865294E+00		Apriori rate (us/s)		1.95128645027E+00		Resid rate (us/s)		2.20267E-06	+/- 4.6E-09
Total phase (deg)	685.8		Apriori accel (us/s/s)		-3.79128759893E-05		Resid phase (deg)		561.5	+/- 19.1
RMS	59.4	45.7	Search (1024X32)	0.199	Pcal mode: MANUAL, MANUAL		PC period (AP's) 5, 5		sb window (us)	-1.000 1.000
ph/seg (deg)	79.7	79.8	Interp.	0.000	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		SampCntNorm: enabled		mb window (us)	-0.016 0.016
amp/seg (%)	79.7	79.8	Inc. seg. avg.	0.213	Bits/sample: 2x2		Data rate (Mb/s): 1024		dr window (ns/s)	-0.012 0.012
ph/frq (deg)	25.5	26.9	Inc. frq. avg.	0.199	Sample rate (MSamp/s): 64		nlags: 128 t_cohere infinite		ion window (TEC)	0.00 0.00
amp/frq (%)	32.0	47.0			Data rate (Mb/s): 1024					

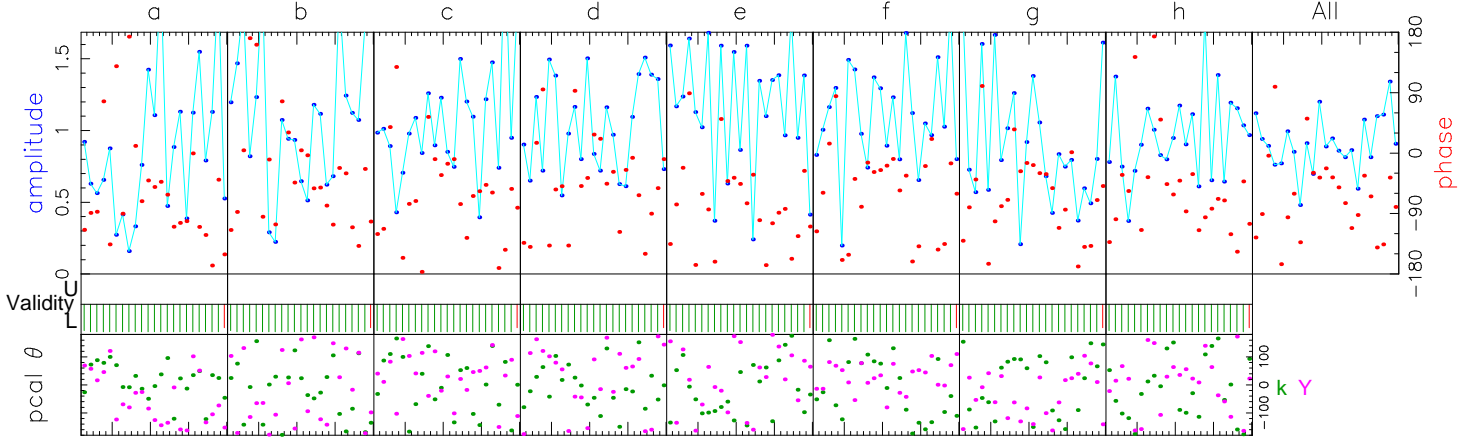
k: az 125.6 el 34.9 pa -43.7 Y: az 249.7 el 13.7 pa 45.9 u,v (fr/asec) -11261.032 -759.812 simultaneous interpolator
Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/kY..zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/kY.W.190.zpwvdj



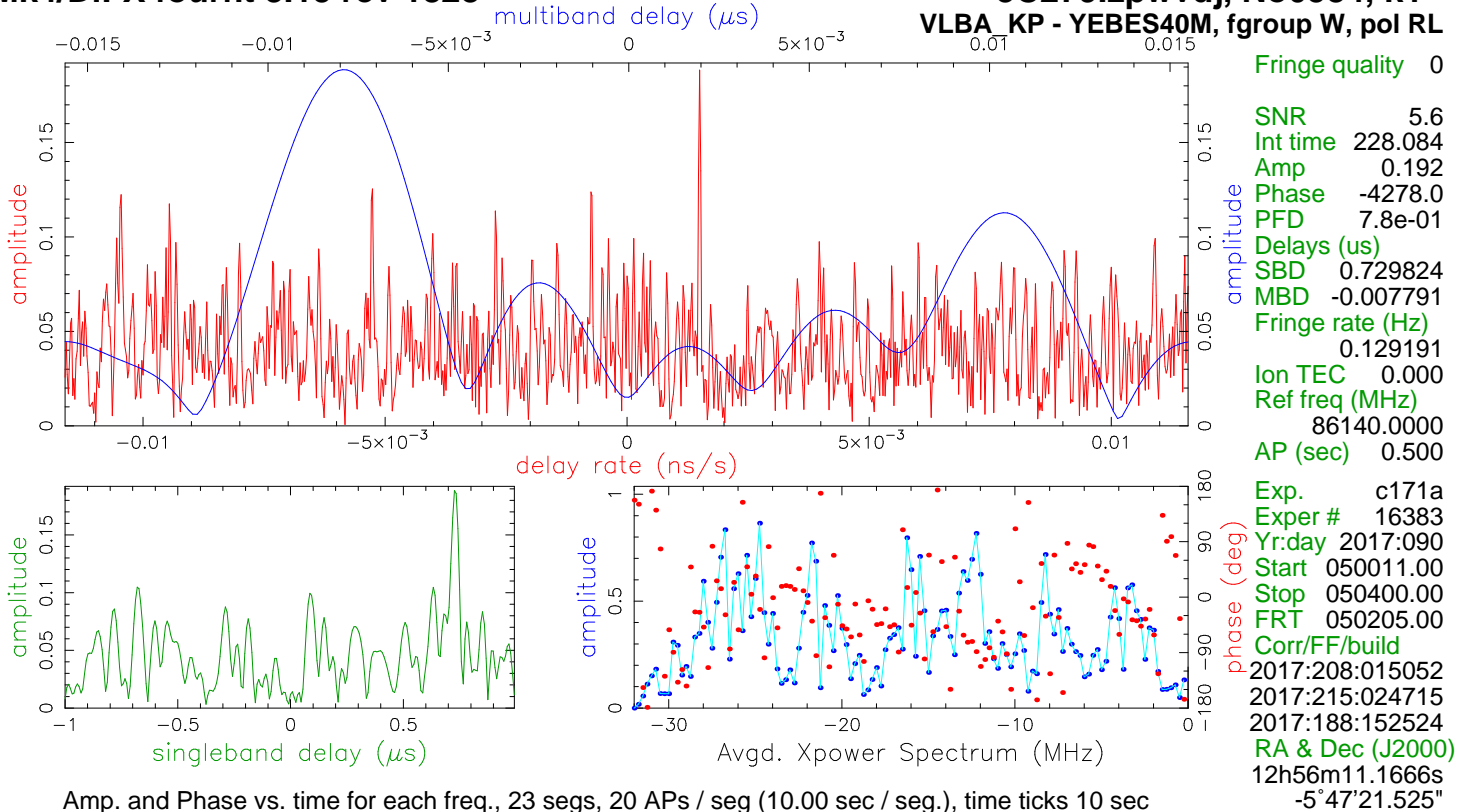
Fringe quality 9
 SNR 16.4
 Int time 228.084
 Amp 0.562
 Phase -429.9
 PFD 0.0e+00
 Delays (us)
 SBD 0.051270
 MBD -0.010775
 Fringe rate (Hz) -0.008378
 Ion TEC 0.000
 Ref freq (MHz) 86140.0000
 AP (sec) 0.500
 Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050011.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024714
 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

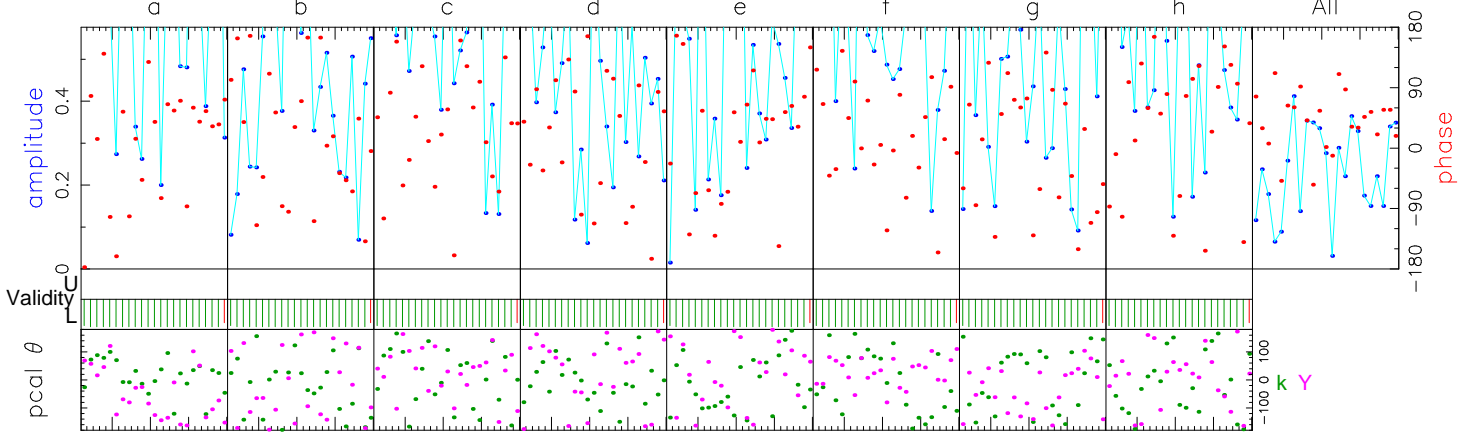


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	-78.4	-59.8	-76.8	-57.1	-86.0	-47.5	-65.2	-82.6	Phase	-69.9
	0.6	0.6	0.6	0.5	0.6	0.5	0.5	0.6	Ampl.	0.6
	135.3	136.2	135.5	135.0	136.2	135.0	135.6	135.3	Sbd box	135.6
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
k	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
k:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
k:Y	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	
Y	1000	1000	1000	1000	1000	1000	1000	1000		
k	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
									Tracks	
Y	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
									Tracks	
Group delay (usec)(sbd)	7.38545430645E+03		Apriori delay (usec)		7.38540258121E+03		Resid mbdelay (usec)		-1.07748E-02	+/- 1.3E-04
Sband delay (usec)	7.38545385171E+03		Apriori clock (usec)		-6.8307261E+00		Resid sbdelay (usec)		5.12705E-02	+/- 1.1E-03
Phase delay (usec)	7.38540257895E+03		Apriori clockrate (us/s)		-4.6401918E-07		Resid phdelay (usec)		-2.25281E-06	+/- 2.3E-07
Delay rate (us/s)	1.95128635301E+00		Apriori rate (us/s)		1.95128645027E+00		Resid rate (us/s)		-9.72574E-08	+/- 1.7E-09
Total phase (deg)			Apriori accel (us/s/s)		-3.79128759893E-05		Resid phase (deg)		-429.9	+/- 7.0
	RMS	Theor.	Amplitude	0.562 +/- 0.034		Pcal mode: MANUAL, MANUAL		PC period (AP's) 5, 5		
ph/seg (deg)	61.2	16.7	Search (1024X32)	0.538		Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-1.000	1.000
amp/seg (%)	70.6	29.2	Interp.	0.000		Bits/sample: 2x2		SampCntNorm: enabled	-0.016	0.016
ph/frq (deg)	14.9	9.9	Inc. seg. avg.	0.873		Sample rate(MSamp/s): 64		dr window (ns/s)	-0.012	0.012
amp/frq (%)	9.6	17.2	Inc. frq. avg.	0.560		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	Y: az 249.7 el 13.7 pa 45.9		u,v (fr/asec) -11261.032 -759.812						simultaneous interpolator	



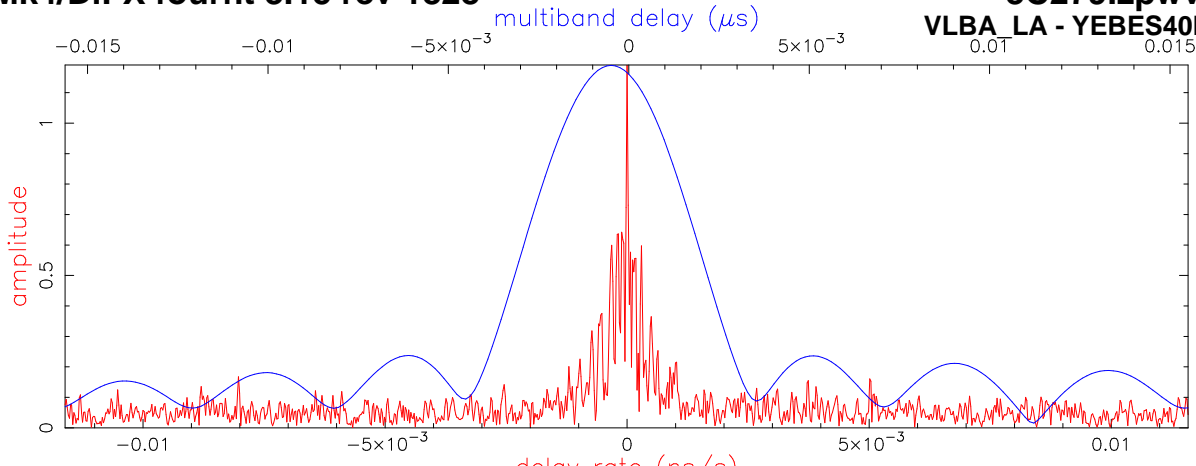
Fringe quality 0
 SNR 5.6
 Int time 228.084
 Amp 0.192
 Phase -4278.0
 PFD 7.8e-01
 Delays (us)
 SBD 0.729824
 MBD -0.007791
 Fringe rate (Hz)
 0.129191
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.500
 Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050011.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024715
 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.	0.2
k	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	Sbd box	222.4
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
k:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
k:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
k	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y	1000	1000	1000	1000	1000	1000	1000	1000		
k	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
Y	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	7.38614479062E+03		Apriori delay (usec)		7.38540258121E+03		Resid mbdelay (usec)		-7.79059E-03	+/- 3.9E-04
Sband delay (usec)	7.38613240571E+03		Apriori clock (usec)		-6.8307261E+00		Resid sbdelay (usec)		7.29824E-01	+/- 3.1E-03
Phase delay (usec)	7.38540258256E+03		Apriori clockrate (us/s)		-4.6401918E-07		Resid phdelay (usec)		1.35555E-06	+/- 6.6E-07
Delay rate (us/s)	1.95128795004E+00		Apriori rate (us/s)		1.95128645027E+00		Resid rate (us/s)		1.49978E-06	+/- 5.0E-09
Total phase (deg)			Apriori accel (us/s/s)		-3.79128759893E-05		Resid phase (deg)		-4278.0	+/- 20.6
RMS	42.6	49.3	Search (1024X32)	0.182	Pcal mode: MANUAL, MANUAL		PC period (AP's) 5, 5		sb window (us)	-1.000 1.000
ph/seg (deg)	60.4	86.1	Interp.	0.000	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		SampCntNorm: enabled		mb window (us)	-0.016 0.016
amp/seg (%)	28.6	29.1	Inc. seg. avg.	0.173	Bits/sample: 2x2		Sample rate(MSamp/s): 64		dr window (ns/s)	-0.012 0.012
ph/frq (deg)	47.6	50.8	Inc. frq. avg.	0.181	Data rate(Mb/s): 1024		nlags: 128 t_cohere infinite		ion window (TEC)	0.00 0.00
amp/frq (%)										

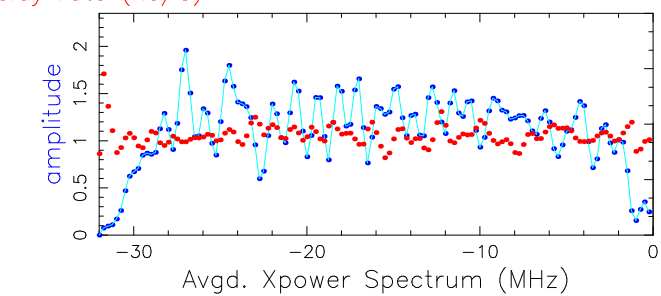
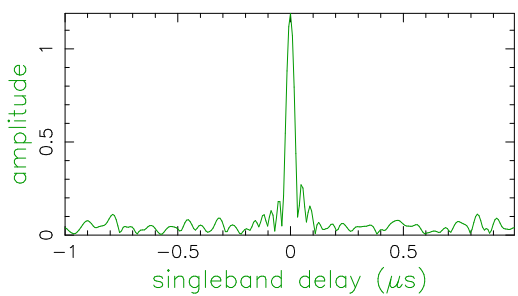
k: az 125.6 el 34.9 pa -43.7 Y: az 249.7 el 13.7 pa 45.9 u,v (fr/asec) -11261.032 -759.812 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/kY.zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/kY.W.192.zpwvdj



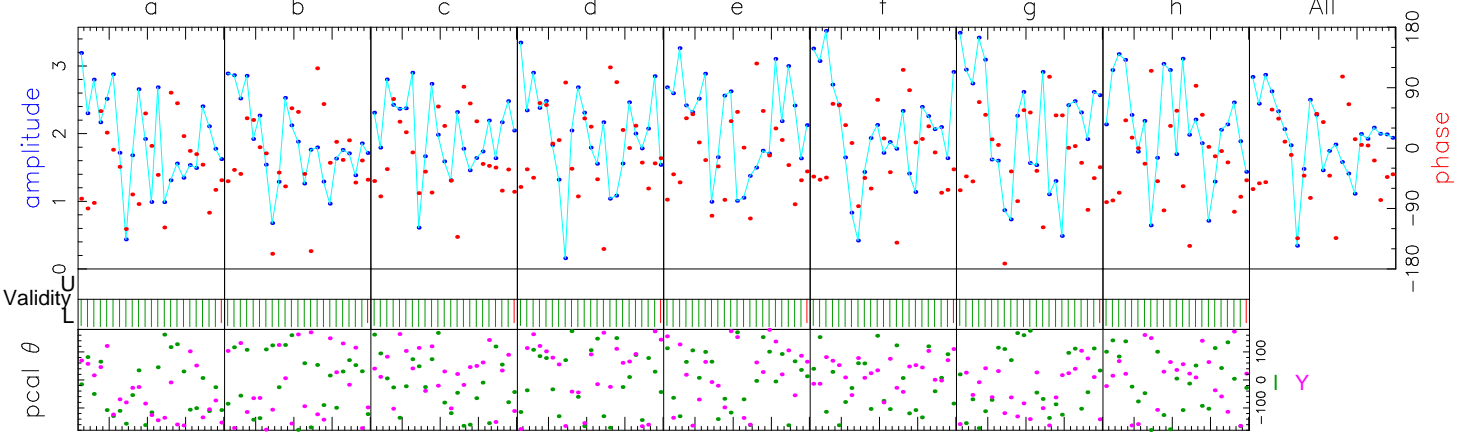
Fringe quality 7

SNR 34.8
 Int time 228.084
 Amp 1.191
 Phase -16.6
 PFD 0.0e+00
 Delays (us)
 SBD -0.001001
 MBD -0.000500
 Fringe rate (Hz) 0.000971
 Ion TEC 0.000
 Ref freq (MHz) 86140.0000
 AP (sec) 0.500

Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050011.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024716
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"



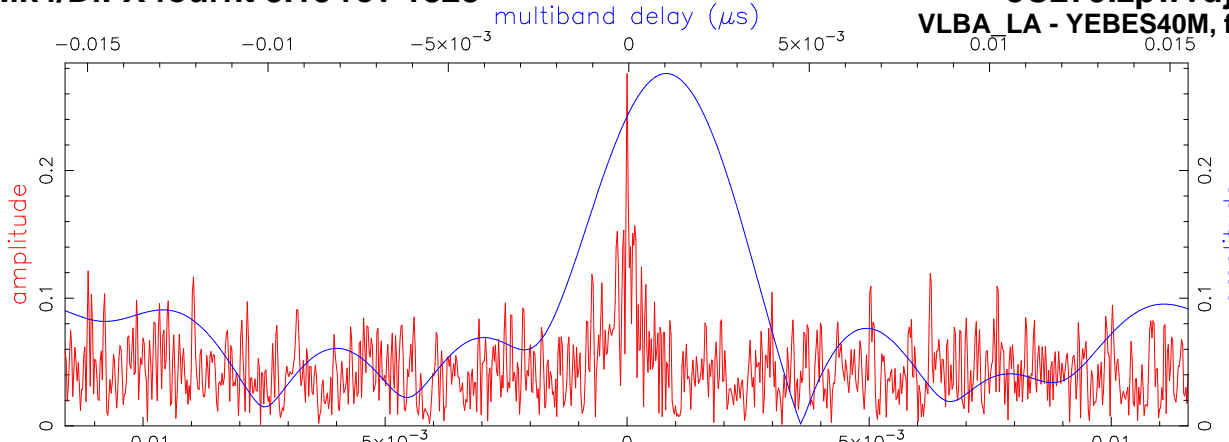
Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec



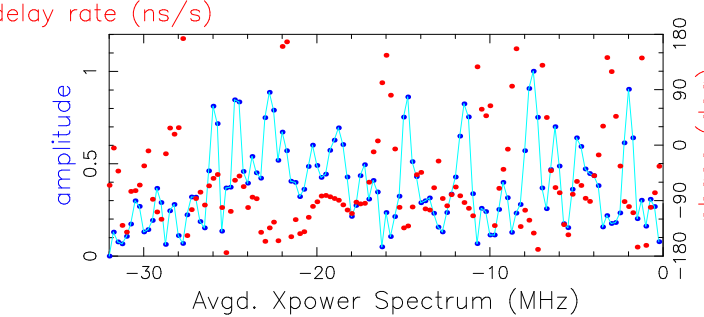
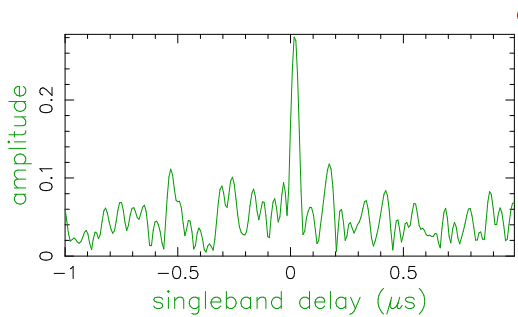
	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	-33.2	-8.2	-15.8	-8.8	-15.4	-7.5	-14.8	-29.8		Phase
	1.2	1.2	1.2	1.2	1.4	1.1	1.2	1.2		Ampl.
	129.2	129.2	128.4	128.7	129.0	128.8	128.9	128.7		Sbd box
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458		APs used
I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

RMS Theor. Amplitude 1.191 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 60.1 7.9 Search (1024X32) 1.040 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 amp/seg (%) 78.5 13.8 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 ph/frq (deg) 10.6 4.7 Inc. seg. avg. 1.922 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 amp/frq (%) 6.2 8.1 Inc. frq. avg. 1.200 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite ion window (TEC) 0.00 0.00

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

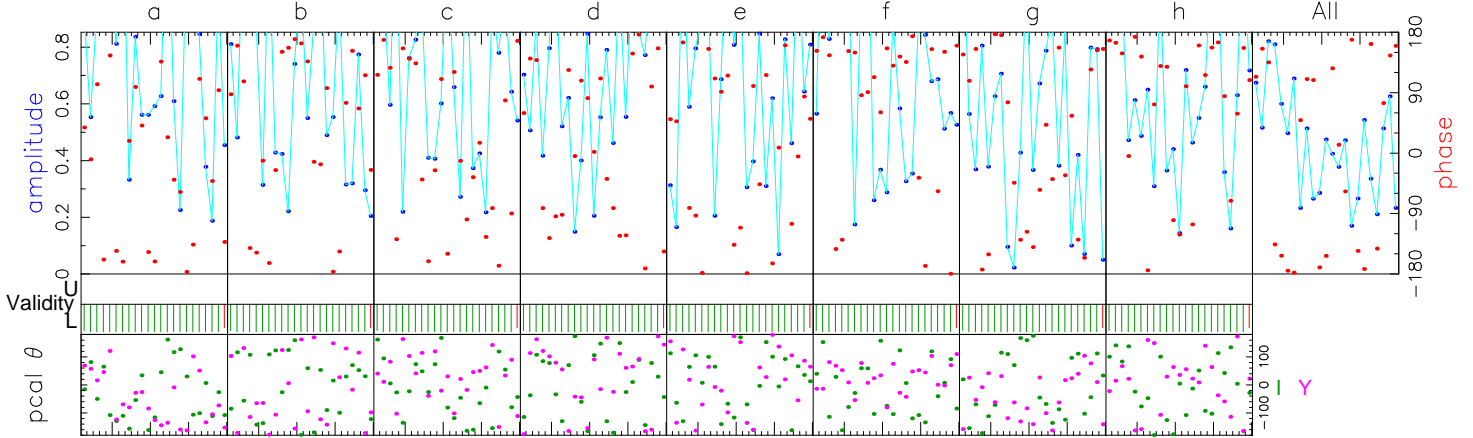


Fringe quality 9
SNR 8.3
Int time 228.084
Amp 0.284
Phase -17.1
PFD 9.1e-09
Delays (us)
SBD 0.018695
MBD 0.001072
Fringe rate (Hz) 0.000891
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.500



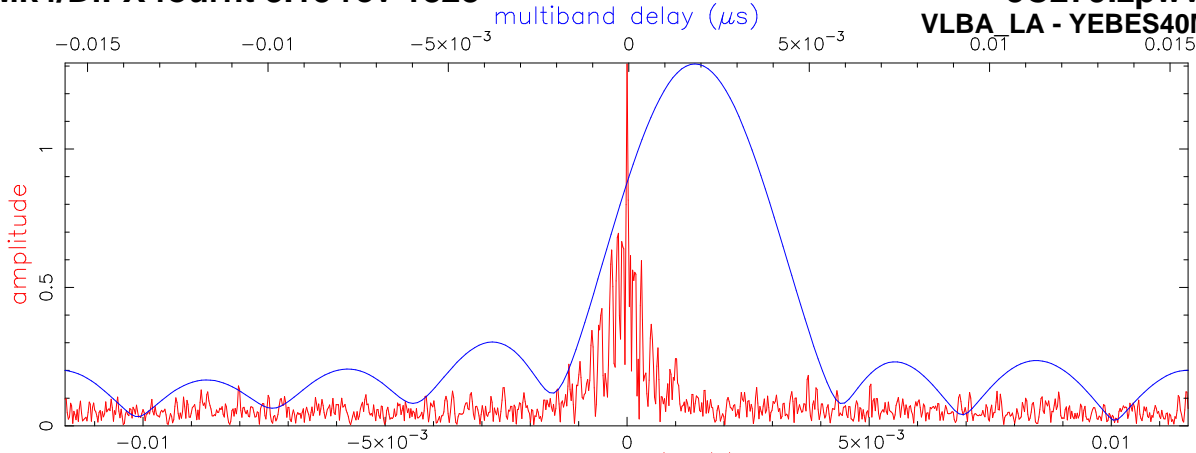
Exp. c171a
Exper # 16383
Yr:day 2017:090
Start 050011.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052
2017:215:024718
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"

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



	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458		
I	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000		
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000		
I:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
I:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
I	1000	1000	1000	1000	1000	1000	1000	1000		
Y	1000	1000	1000	1000	1000	1000	1000	1000		
I	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR		
Y	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR		
Group delay (usec)(sbd)		7.68965811283E+03			7.68962579039E+03				1.07244E-03	+/- 2.6E-04
Sband delay (usec)		7.68964448539E+03			-8.0387878E+00				1.86950E-02	+/- 2.1E-03
Phase delay (usec)		7.68962579564E+03			-5.6261311E-07				5.25213E-06	+/- 4.5E-07
Delay rate (us/s)		1.82202109217E+00			1.82202108182E+00				1.03436E-08	+/- 3.4E-09
Total phase (deg)			-166.8						-17.1	+/- 13.8
RMS	62.6	33.1								
ph/seg (deg)	62.6	33.1								
amp/seg (%)	89.9	57.8								
ph/frq (deg)	16.7	19.5								
amp/frq (%)	37.5	34.1								
Apriori delay (usec)										
Apriori clock (usec)										
Apriori clockrate (us/s)										
Apriori rate (us/s)										
Apriori accel (us/s/s)										
Resid mbdelay (usec)										
Resid sbdelay (usec)										
Resid phdelay (usec)										
Resid rate (us/s)										
Resid phase (deg)										
Pcal mode: MANUAL, MANUAL										
Pcal rate: 0.000E+00, 0.000E+00 (us/s)										
Bits/sample: 2x2										
Sample rate(MSamp/s): 64										
Data rate(Mb/s): 1024										
nlags: 128										
t_cohere infinite										
ion window (TEC)										
sb window (us)	-1.000									1.000
mb window (us)	-0.016									0.016
dr window (ns/s)	-0.012									0.012
simultaneous interpolator										

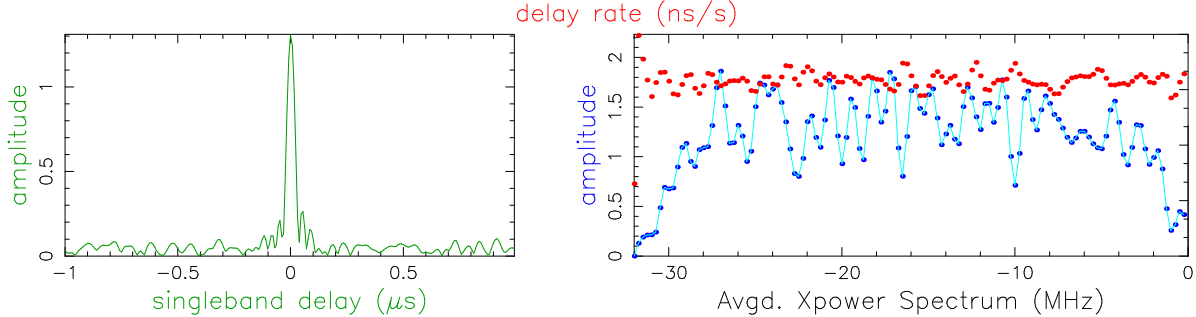
I: az 132.7 el 35.9 pa -36.5 Y: az 249.7 el 13.7 pa 45.9 u,v (fr/asec) -10518.241 -253.667
Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/IY..zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/IY.W.194.zpwvdj



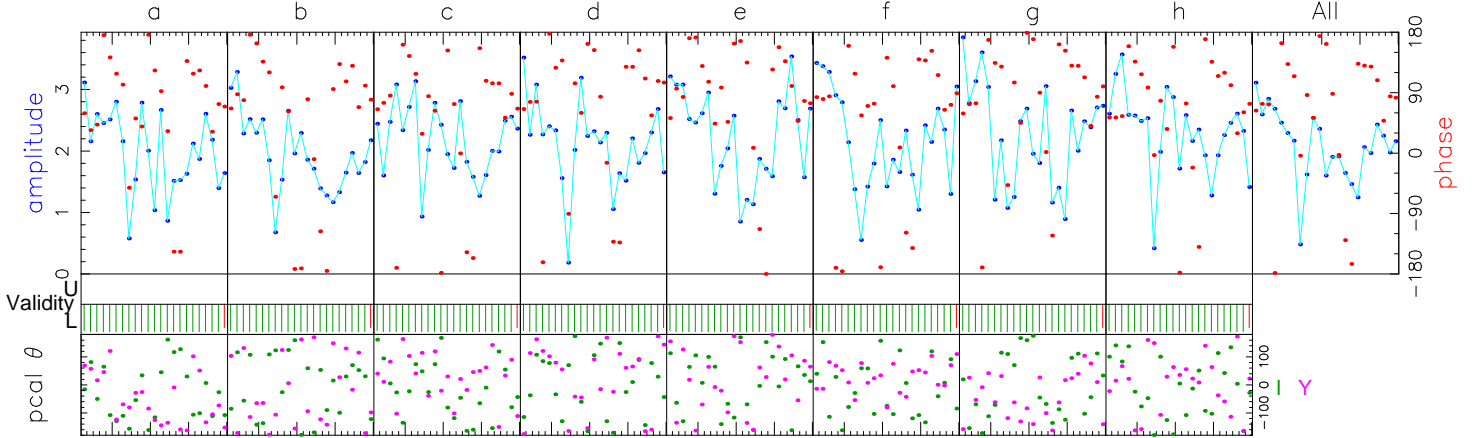
Fringe quality 7

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

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



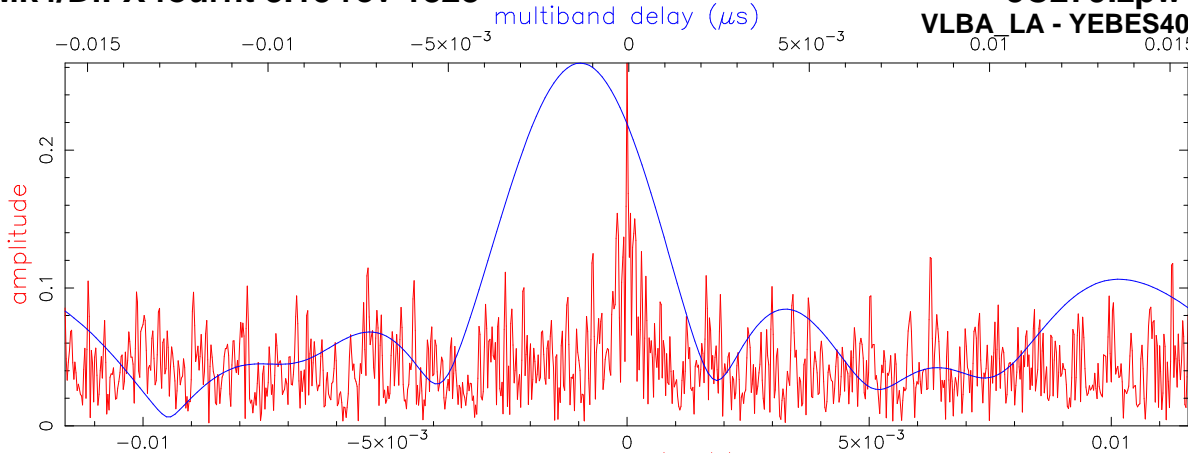
Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec



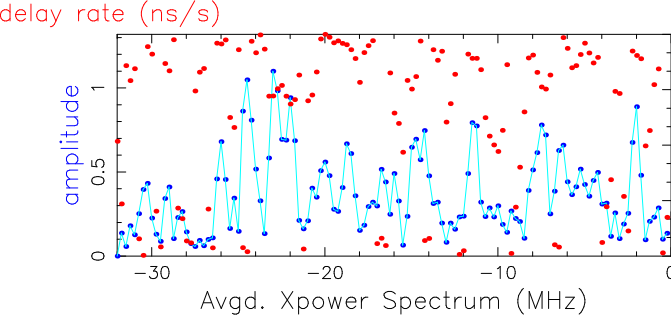
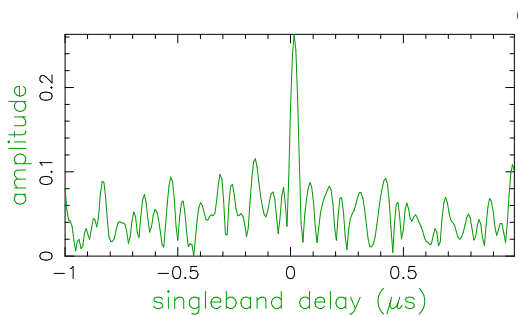
	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458		
I	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
I:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
I:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
I	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y	1000	1000	1000	1000	1000	1000	1000	1000		
I	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
Y	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	7.68962763877E+03		Apriori delay (usec)		7.68962579039E+03		Resid mbdelay (usec)		1.84837E-03	+/- 5.7E-05
Sband delay (usec)	7.68962719139E+03		Apriori clock (usec)		-8.0387878E+00		Resid sbdelay (usec)		1.40100E-03	+/- 4.5E-04
Phase delay (usec)	7.68962579386E+03		Apriori clockrate (us/s)		-5.6261311E-07		Resid phdelay (usec)		3.47100E-06	+/- 9.7E-08
Delay rate (us/s)	1.82202109272E+00		Apriori rate (us/s)		1.82202108182E+00		Resid rate (us/s)		1.08994E-08	+/- 7.3E-10
Total phase (deg)	318.0		Apriori accel (us/s/s)		-4.01765689834E-05		Resid phase (deg)		107.6	+/- 3.0
	RMS	Theor.	Amplitude	1.311 +/- 0.034	Pcal mode: MANUAL, MANUAL		PC period (AP's) 5, 5			
ph/seg (deg)	58.6	7.2	Search (1024X32)	1.177	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)		-1.000	1.000
amp/seg (%)	72.4	12.5	Interp.	0.000	Bits/sample: 2x2		SampCntNorm: enabled		-0.016	0.016
ph/frq (deg)	9.5	4.2	Inc. seg. avg.	2.059	Sample rate(MSamp/s): 64		dr window (ns/s)		-0.012	0.012
amp/frq (%)	6.5	7.4	Inc. frq. avg.	1.317	Data rate(Mb/s): 1024		ion window (TEC)		0.00	0.00
					nlags: 128 t_cohere infinite					

I: az 132.7 el 35.9 pa -36.5 Y: az 249.7 el 13.7 pa 45.9 u,v (fr/asec) -10518.241 -253.667 simultaneous interpolator

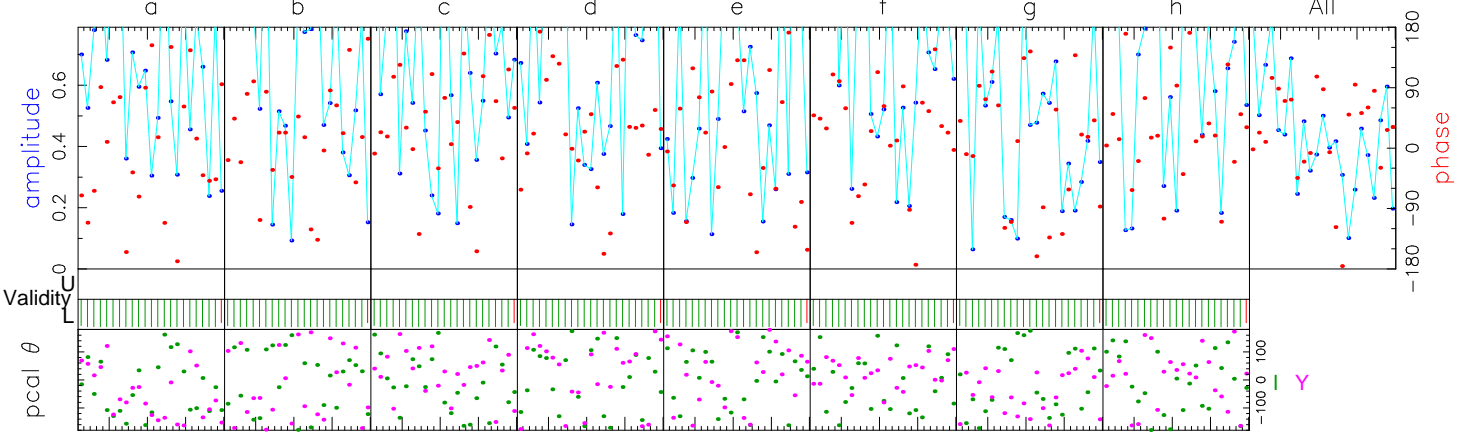
Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/IY..zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/IY.W.195.zpwvdj



Fringe quality 9
SNR 7.7
Int time 228.084
Amp 0.263
Phase -138.1
PFD 1.3e-06
Delays (us)
SBD 0.016175
MBD -0.001347
Fringe rate (Hz) 0.000866
Ion TEC 0.000
Ref freq (MHz) 86140.0000
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
2017:215:024719
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"



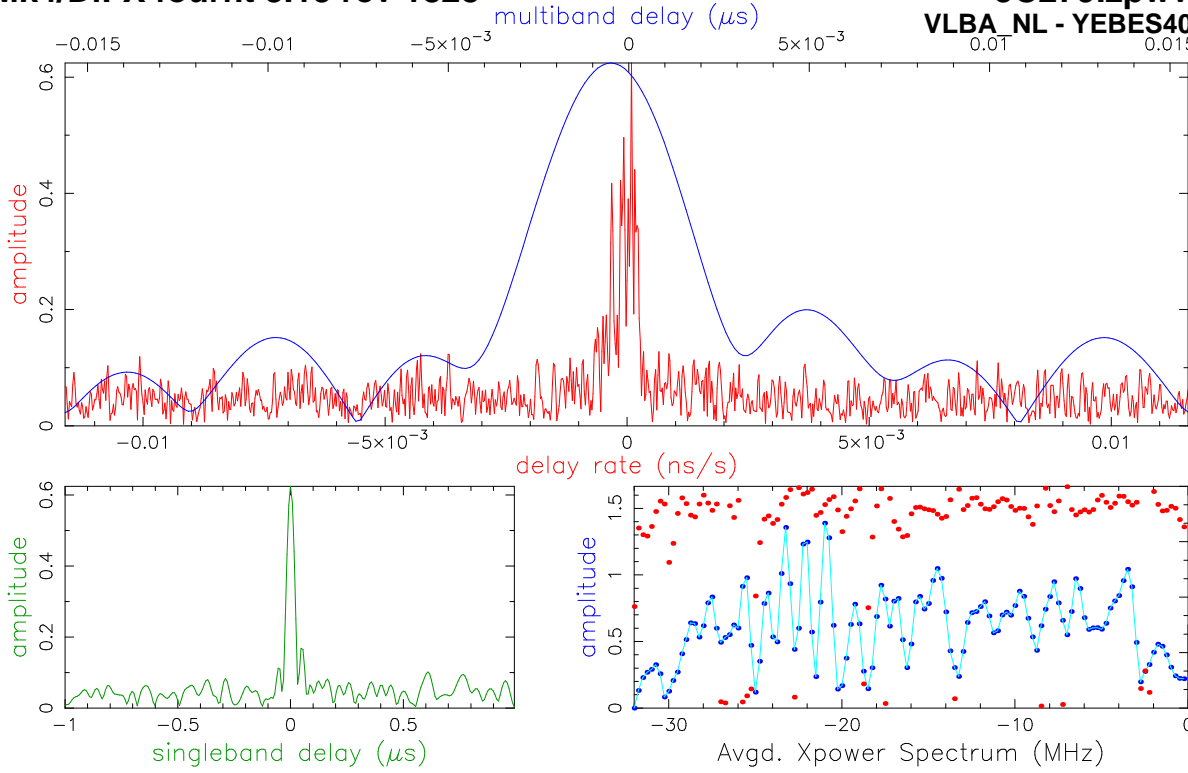
Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec



	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458		
I	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
I:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
I:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
I	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y	1000	1000	1000	1000	1000	1000	1000	1000		
I	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
Y	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
Group delay (usec)(sbd)	7.68965569358E+03		Apriori delay (usec)		7.68962579039E+03		Resid mbdelay (usec)		-1.34681E-03	+/- 2.8E-04
Sband delay (usec)	7.68964196539E+03		Apriori clock (usec)		-8.0387878E+00		Resid sbdelay (usec)		1.61750E-02	+/- 2.2E-03
Phase delay (usec)	7.68962579174E+03		Apriori clockrate (us/s)		-5.6261311E-07		Resid phdelay (usec)		1.35018E-06	+/- 4.8E-07
Delay rate (us/s)	1.82202109187E+00		Apriori rate (us/s)		1.82202108182E+00		Resid rate (us/s)		1.00505E-08	+/- 3.6E-09
Total phase (deg)	72.2		Apriori accel (us/s/s)		-4.01765689834E-05		Resid phase (deg)		-138.1	+/- 14.9

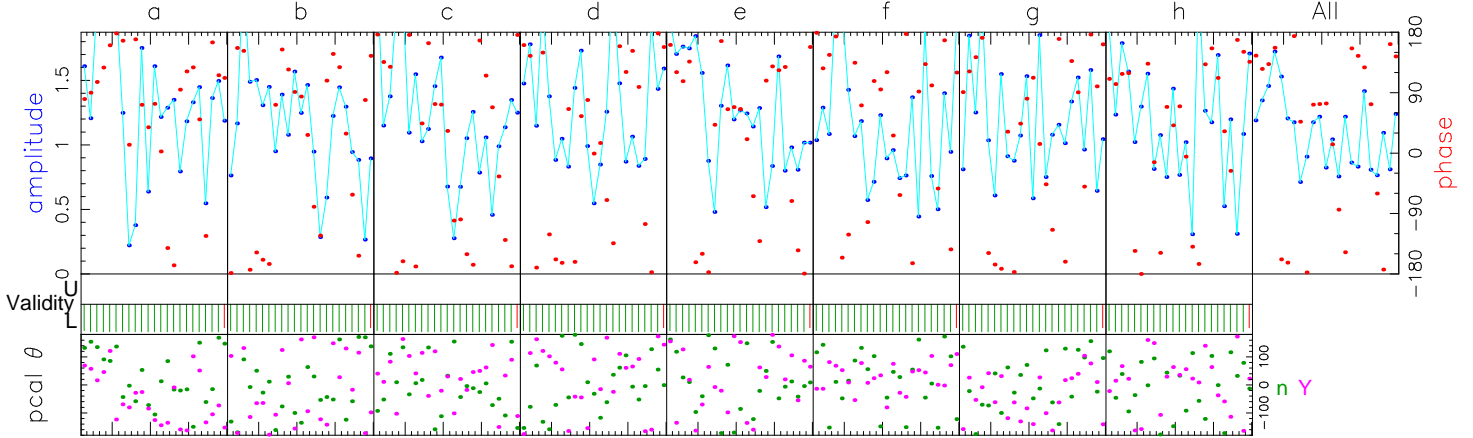
ph/seg (deg) 62.7 35.8 Theor. Amplitude 0.263 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 97.1 62.4 Search (1024X32) 0.237 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 18.6 21.1 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 43.4 36.8 Inc. seg. avg. 0.370 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 Inc. frq. avg. 0.254 u,v (fr/asec) -10518.241 -253.667 ion window (TEC) 0.00 0.00

I: az 132.7 el 35.9 pa -36.5 Y: az 249.7 el 13.7 pa 45.9 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/IY..zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/IY.W.196.zpwvdj



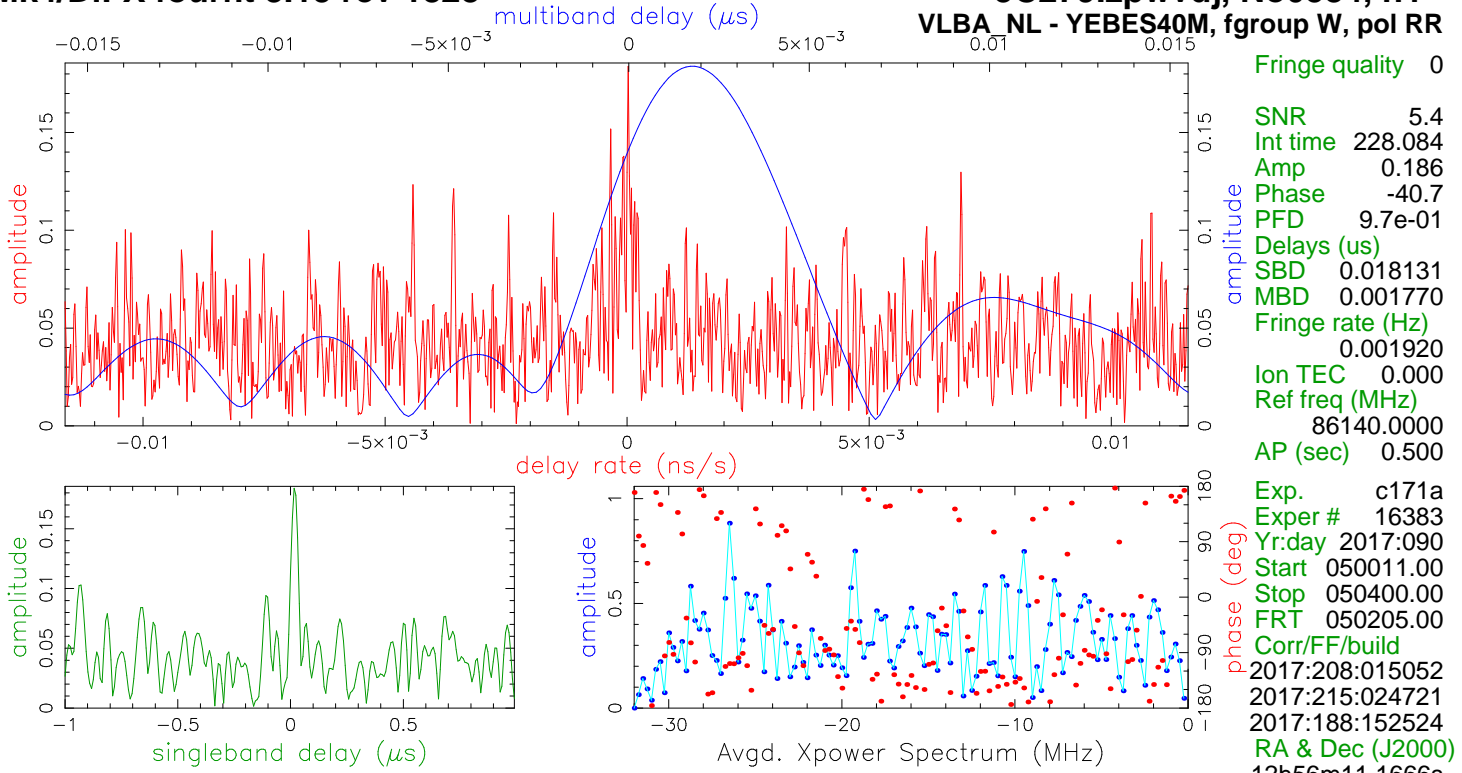
Fringe quality 9
SNR 18.2
Int time 228.084
Amp 0.624
Phase 146.3
PFD 0.0e+00
Delays (us)
SBD 0.000342
MBD -0.000495
Fringe rate (Hz) 0.007157
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.500
Exp. c171a
Exper # 16383
Yr:day 2017:090
Start 050011.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052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

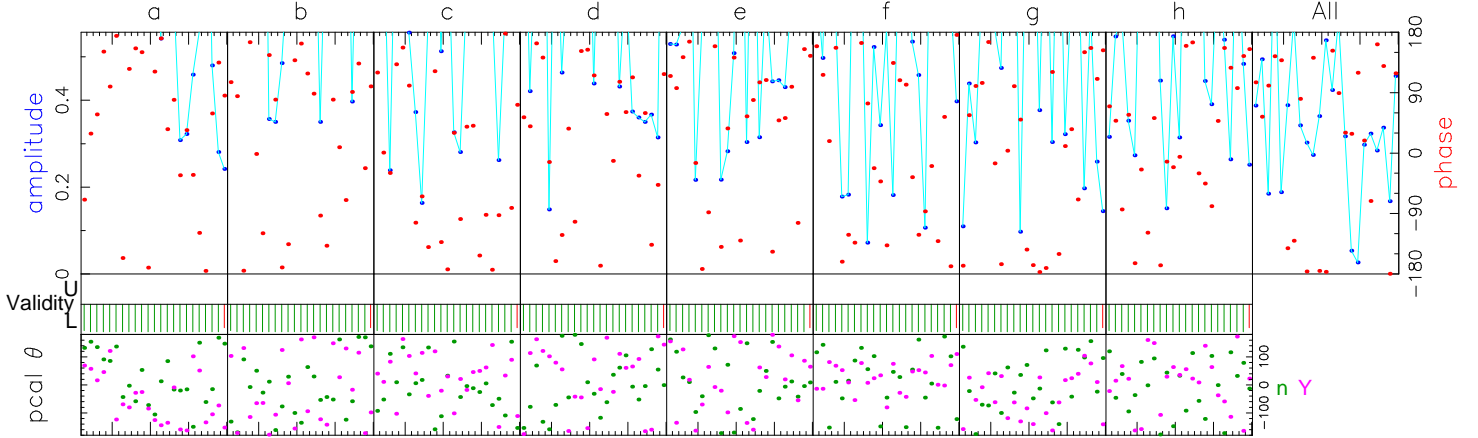


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	127.8	146.3
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	0.6	0.6
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	129.7	129.0
n:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	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 Search (1024X32) 0.580 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 87.9 26.3 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 18.5 8.9 Inc. seg. avg. 1.062 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 14.0 15.5 Inc. frq. avg. 0.644 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

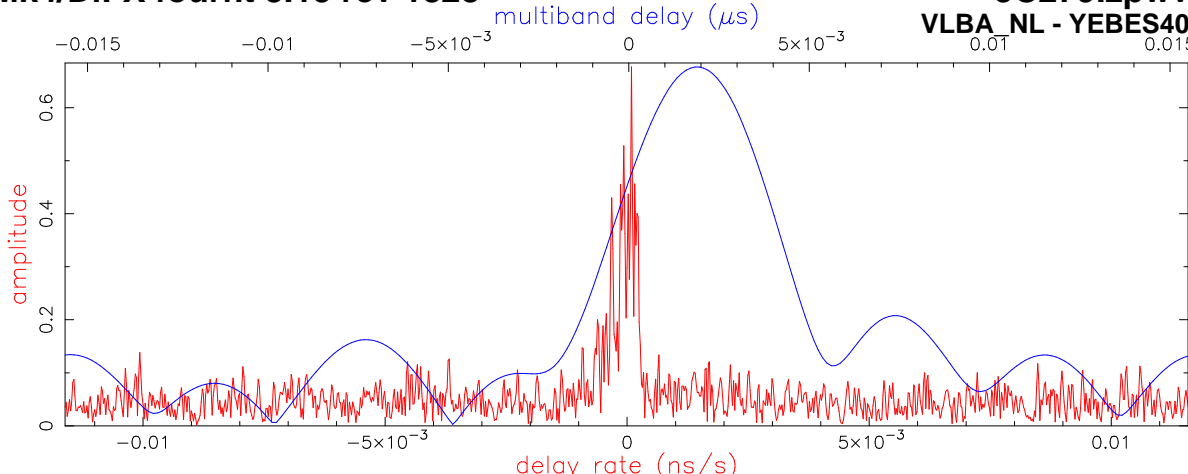


Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec

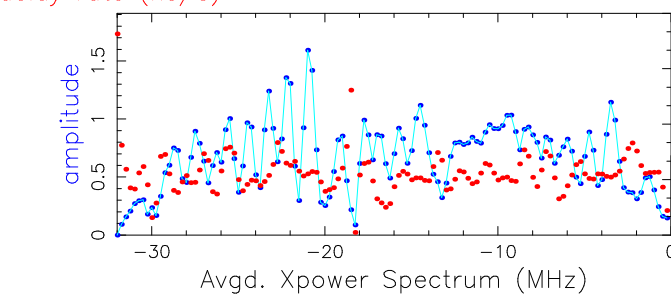
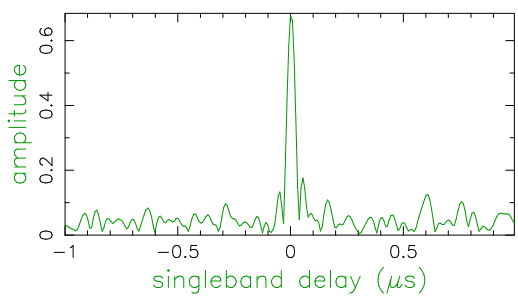


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
131.4	150.8	143.5	119.9	147.6	172.1	155.9	53.4	53.4	Phase	139.3
0.3	0.2	0.2	0.3	0.3	0.1	0.2	0.1	0.1	Ampl.	0.2
132.0	102.1	243.5	215.6	132.6	79.3	241.0	8.2	8.2	Sbd box	131.3
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	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	ManI 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	
									Chan ids	
									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

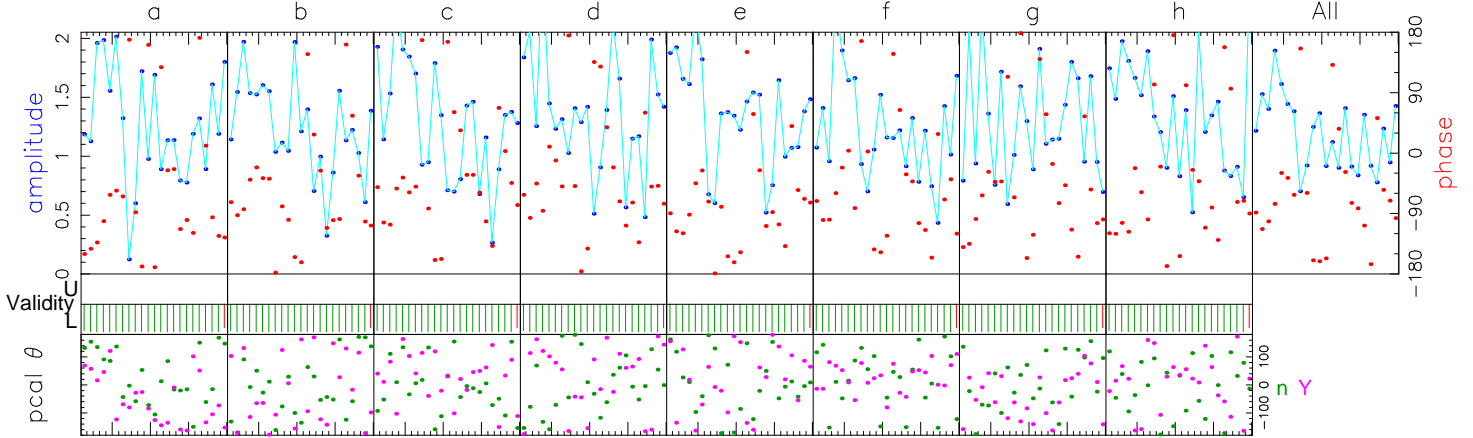
ph/seg (deg) 66.4 50.7 Search (1024X32) 0.183 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 128.9 88.5 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 39.6 29.9 Inc. seg. avg. 0.253 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 42.7 52.2 Inc. frq. avg. 0.175 Data rate (MSamp/s): 64 Sample rate (MHz): 122.99999999999999 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 Data rate (Mb/s): 1024 nlags: 128 t_cohere infinite 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

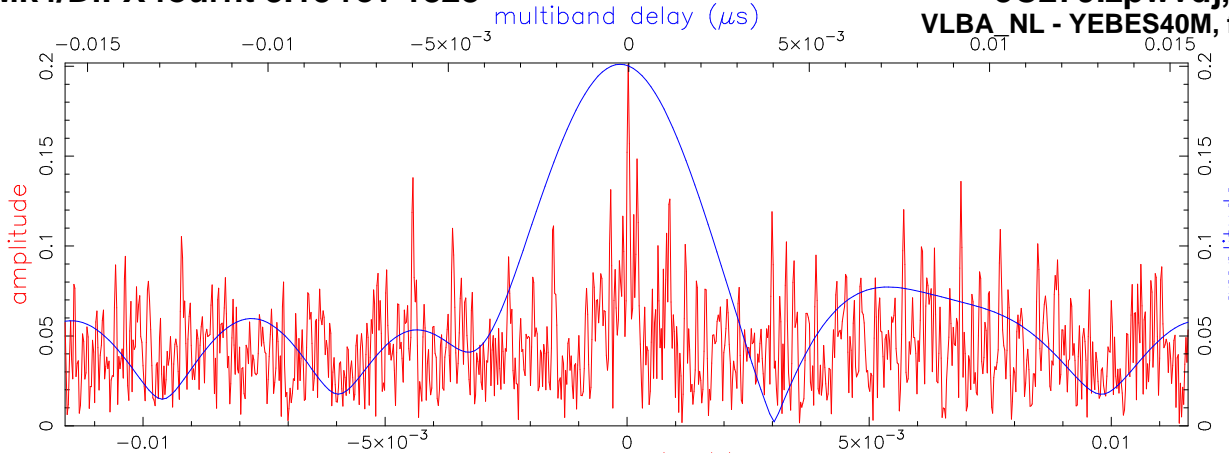


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458		
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000		
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000		
n:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
n:Y	0:0	0:0	0:0	0:0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

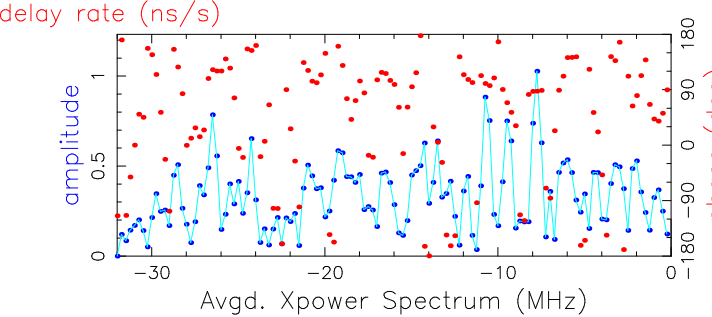
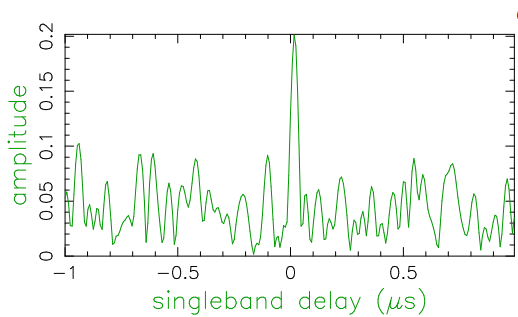
Group delay (usec)(sbd)	8.35379542137E+03	Apriori delay (usec)	8.35379351999E+03	Resid mbdelay (usec)	1.90138E-03	+/-	1.1E-04	
Sband delay (usec)	8.35379635899E+03	Apriori clock (usec)	1.60746229E+00	Resid sbdelay (usec)	2.83900E-03	+/-	8.6E-04	
Phase delay (usec)	8.35379351721E+03	Apriori clockrate (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	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5	
ph/seg (deg)	67.5	Search (1024X32)	0.639	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000	
amp/seg (%)	86.3	Interp.	0.000	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.016 0.016
ph/frq (deg)	18.4	Inc. seg. avg.	1.159	Sample rate(MSamp/s):	64	dr window (ns/s)	-0.012 0.012	
amp/frq (%)	10.3	Inc. frq. avg.	0.699	Data rate(Mb/s):	1024	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

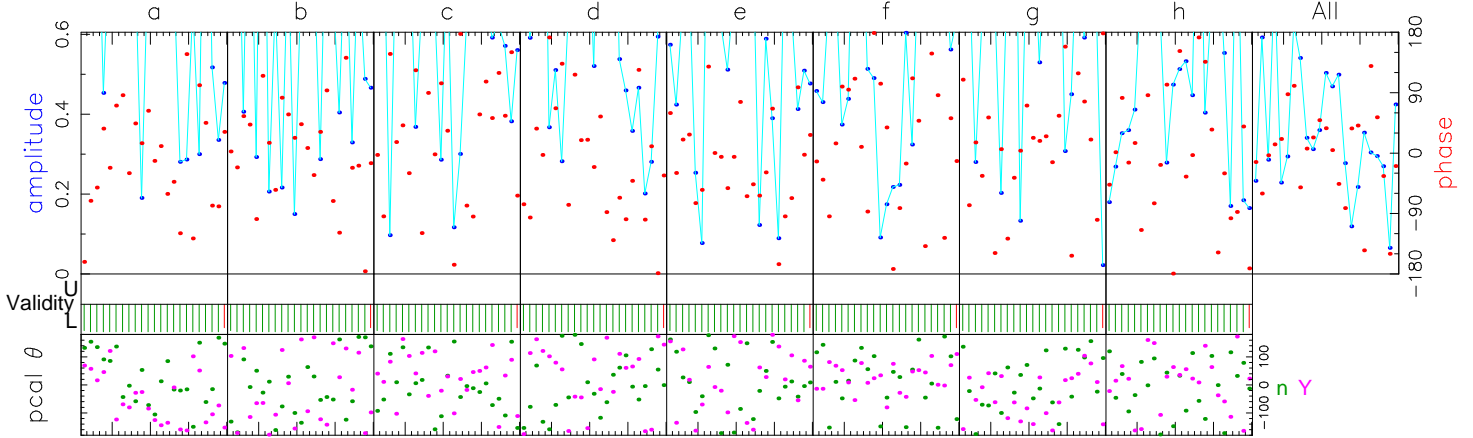


Fringe quality 0
 SNR 5.9
 Int time 228.084
 Amp 0.202
 Phase -174.0
 PFD 2.1e-01
 Delays (us)
 SBD 0.017303
 MBD -0.000180
 Fringe rate (Hz)
 0.002356
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.500



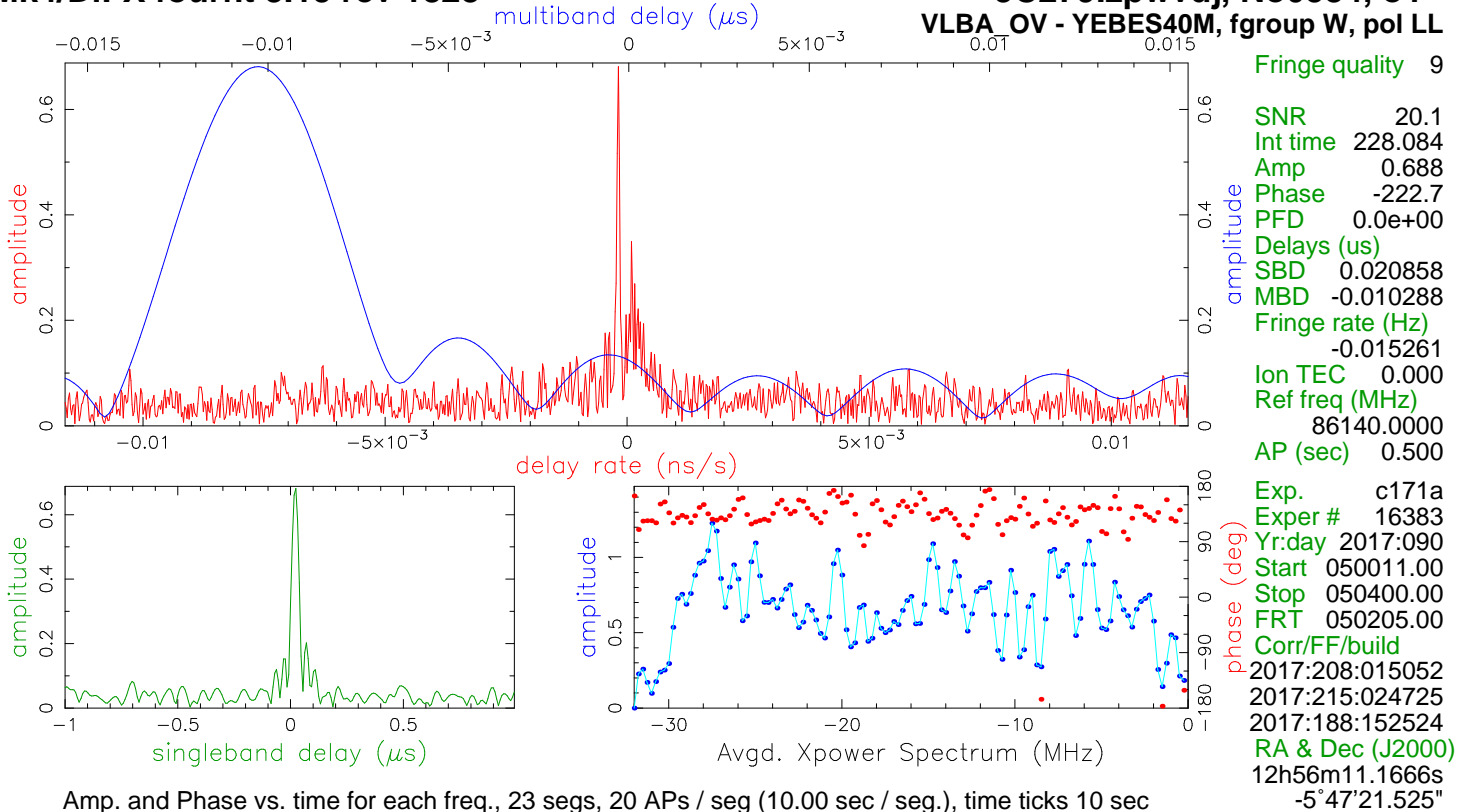
Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050011.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024723
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"

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

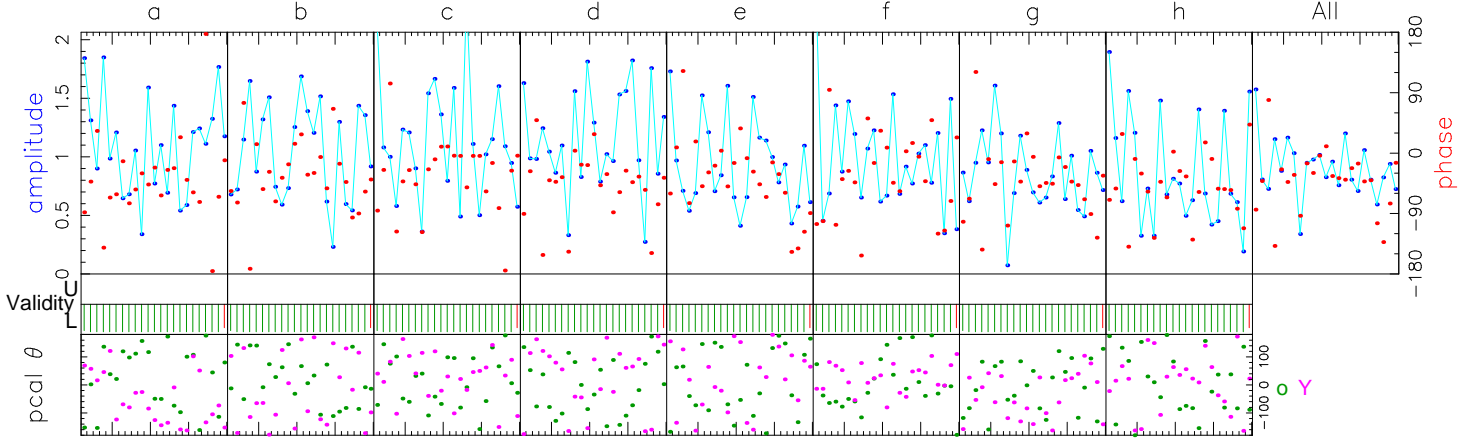


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458		
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000		
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000		
n:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
n:Y	0:0	0:0	0:0	0:0	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
RMS	68.2	46.6		Apriori mode: MANUAL, MANUAL			PC period (AP's)	5, 5		
ph/seg (deg)	68.2	46.6		Search (1024X32)	0.197		sb window (us)	-1.000	1.000	
amp/seg (%)	113.1	81.4		Interp.	0.000		SampCntNorm: enabled			
ph/frq (deg)	37.6	27.5		Inc. seg. avg.	0.273		mb window (us)	-0.016	0.016	
amp/frq (%)	45.9	48.0		Inc. frq. avg.	0.195		dr window (ns/s)	-0.012	0.012	
							ion window (TEC)	0.00	0.00	
							nlags: 128 t_cohere infinite			

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

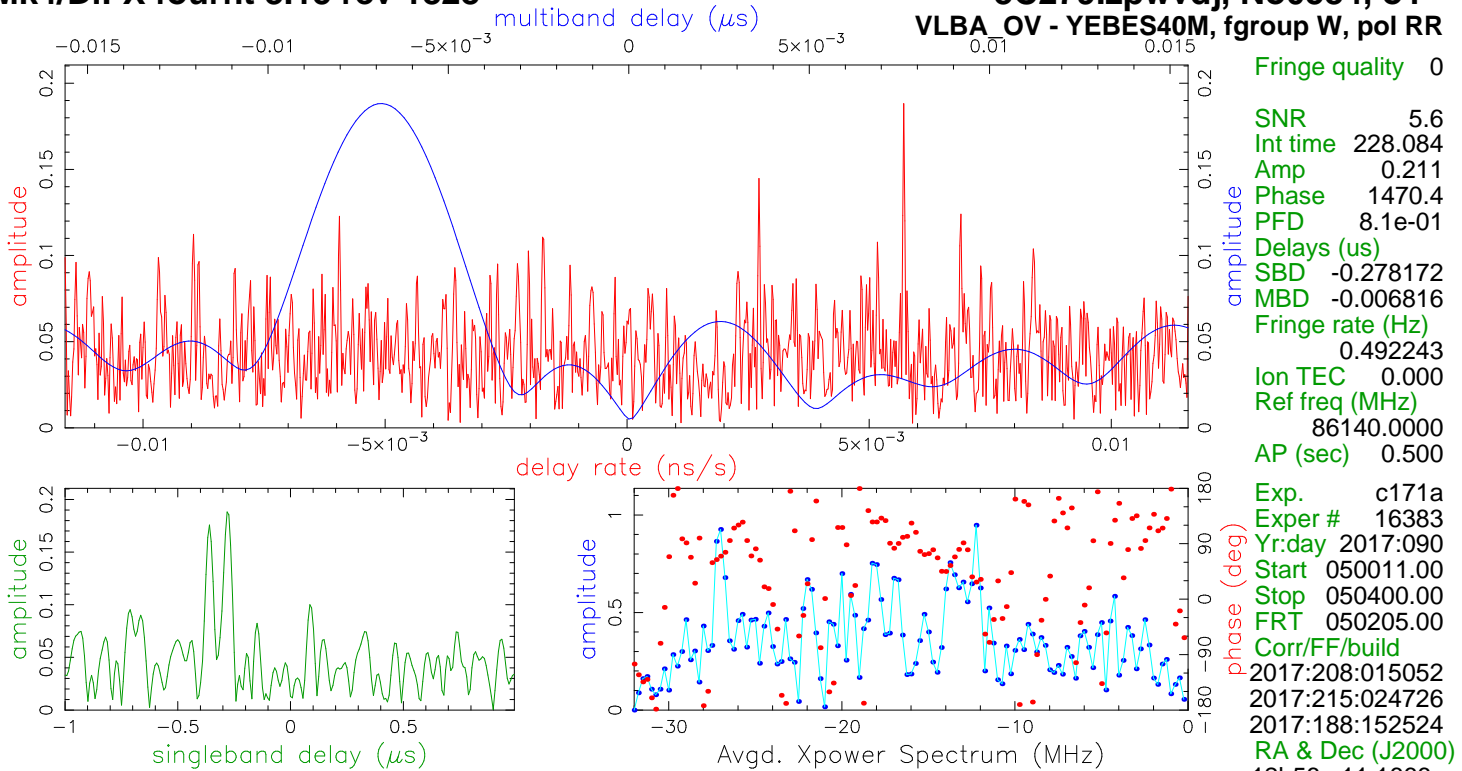


Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec

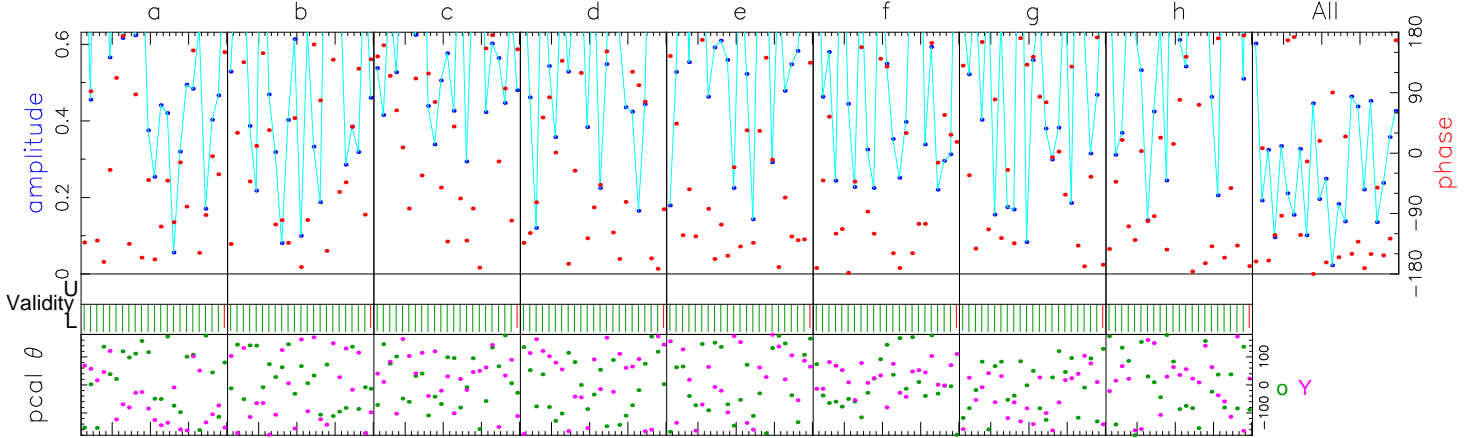


86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
-59.5	-31.5	-33.4	-43.5	-40.9	-42.7	-43.9	-47.1	Phase	-42.7
0.7	0.7	0.8	0.8	0.7	0.6	0.6	0.6	Ampl.	0.7
132.0	132.1	132.0	131.5	131.5	131.9	131.2	131.1	Sbd box	131.7
U/L 0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
o -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
o:Y 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
o:Y 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
o 1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y 1000	1000	1000	1000	1000	1000	1000	1000		
o W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
Y W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
								Chan ids	
								Tracks	
Group delay (usec)(sbd)	5.01490422467E+03		Apriori delay (usec)	5.01488326299E+03		Resid mbdelay (usec)	-1.02883E-02	+/-	1.1E-04
Sband delay (usec)	5.01490412099E+03		Apriori clock (usec)	-1.5872263E+00		Resid sbdelay (usec)	2.08580E-02	+/-	8.6E-04
Phase delay (usec)	5.01488326161E+03		Apriori clockrate (us/s)	-2.0215610E-07		Resid phdelay (usec)	-1.37581E-06	+/-	1.8E-07
Delay rate (us/s)	1.99909912388E+00		Apriori rate (us/s)	1.99909930104E+00		Resid rate (us/s)	-1.77159E-07	+/-	1.4E-09
Total phase (deg)		-124.0	Apriori accel (us/s/s)	-2.61549887849E-05		Resid phase (deg)	-222.7	+/-	5.7

ph/seg (deg) 46.2 13.7 Theor. Amplitude 0.688 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 46.8 23.9 Search (1024X32) 0.658 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 9.3 8.1 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 12.9 14.1 Inc. seg. avg. 0.880 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 o: az 122.6 el 27.4 pa -42.2 Y: az 249.7 el 13.7 pa 45.9 u,v (fr/asec) -11527.613 -188.138 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/oY...zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/oY.W.201.zpwvdj

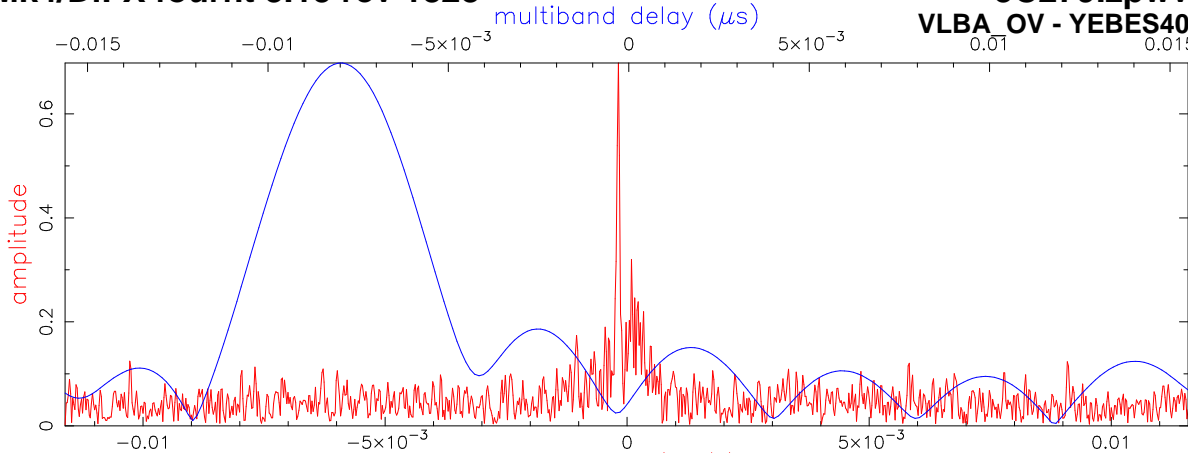


Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec

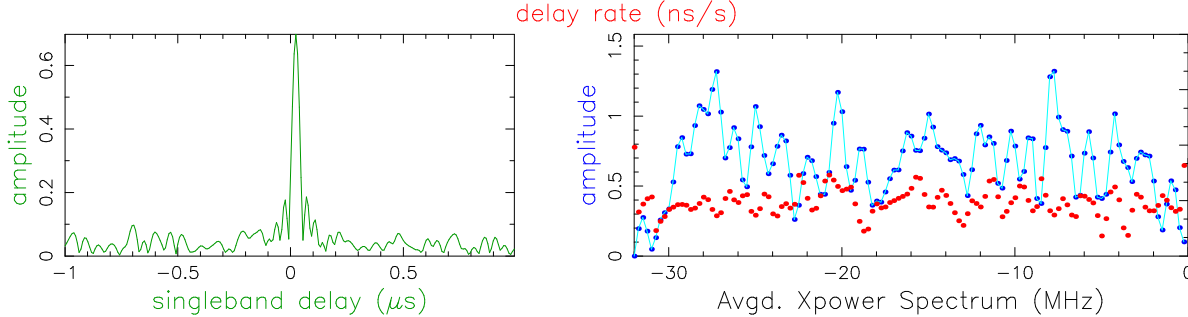


86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
-144.1	176.8	-119.8	-151.7	-140.3	-152.5	-161.7	-147.2	Phase	-149.6
0.3	0.1	0.1	0.2	0.3	0.2	0.2	0.2	Ampl.	0.2
170.7	83.6	84.7	218.8	101.1	199.6	100.7	31.0	Sbd box	93.4
U/L 0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
o -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
o:Y 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
o:Y 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
o 1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y 1000	1000	1000	1000	1000	1000	1000	1000		
o W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
Y W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	
								Chan ids	
								Tracks	
Group delay (usec)(sbd)	5.01459519712E+03	Apriori delay (usec)	5.01488326299E+03	Resid mbdelay (usec)	-6.81587E-03	+/-	3.9E-04		
Sband delay (usec)	5.01460509049E+03	Apriori clock (usec)	-1.5872263E+00	Resid sbdelay (usec)	-2.78172E-01	+/-	3.1E-03		
Phase delay (usec)	5.01488325817E+03	Apriori clockrate (us/s)	-2.0215610E-07	Resid phdelay (usec)	-4.82322E-06	+/-	6.7E-07		
Delay rate (us/s)	1.99910501550E+00	Apriori rate (us/s)	1.99909930104E+00	Resid rate (us/s)	5.71446E-06	+/-	5.0E-09		
Total phase (deg)	1569.1	Apriori accel (us/s/s)	-2.61549887849E-05	Resid phase (deg)	1470.4	+/-	20.6		

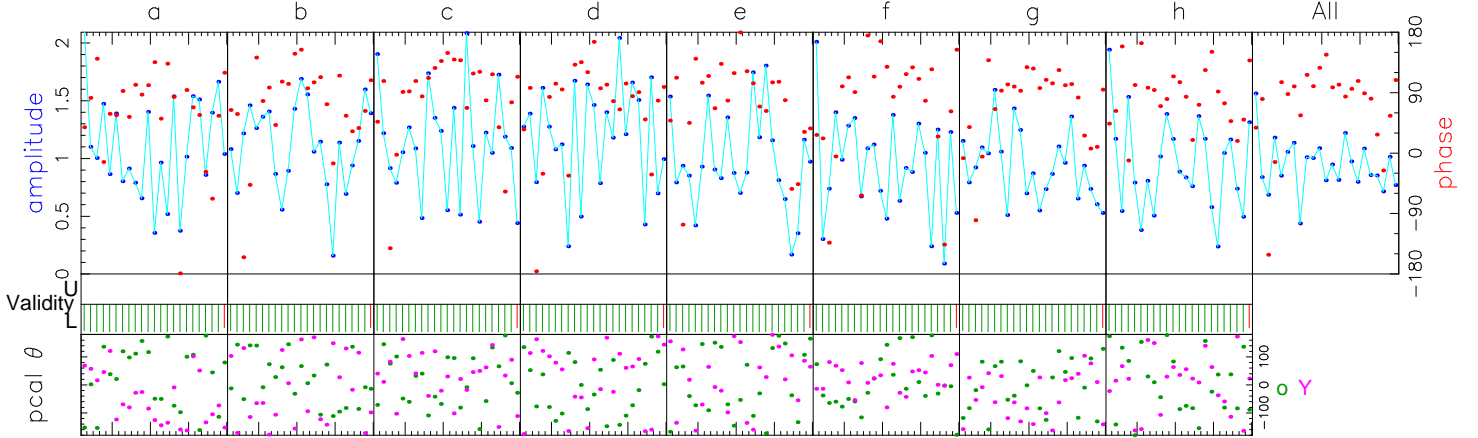
ph/seg (deg) 77.8 Theor. 49.5 Amplitude 0.211 +/- 0.038 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 86.9 86.3 Search (1024X32) 0.183 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 19.6 29.2 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 33.0 50.9 Inc. seg. avg. 0.220 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 o: az 122.6 el 27.4 pa -42.2 Y: az 249.7 el 13.7 pa 45.9 u,v (fr/asec) -11527.613 -188.138 ion window (TEC) 0.00 0.00
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/oY..zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/oY.W.202.zpwwdj simultaneous interpolator



Fringe quality 9
SNR 20.4
Int time 228.084
Amp 0.698
Phase -94.3
PFD 0.0e+00
Delays (us)
SBD 0.023446
MBD -0.007980
Fringe rate (Hz)
-0.015236
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
2017:215:024727
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"

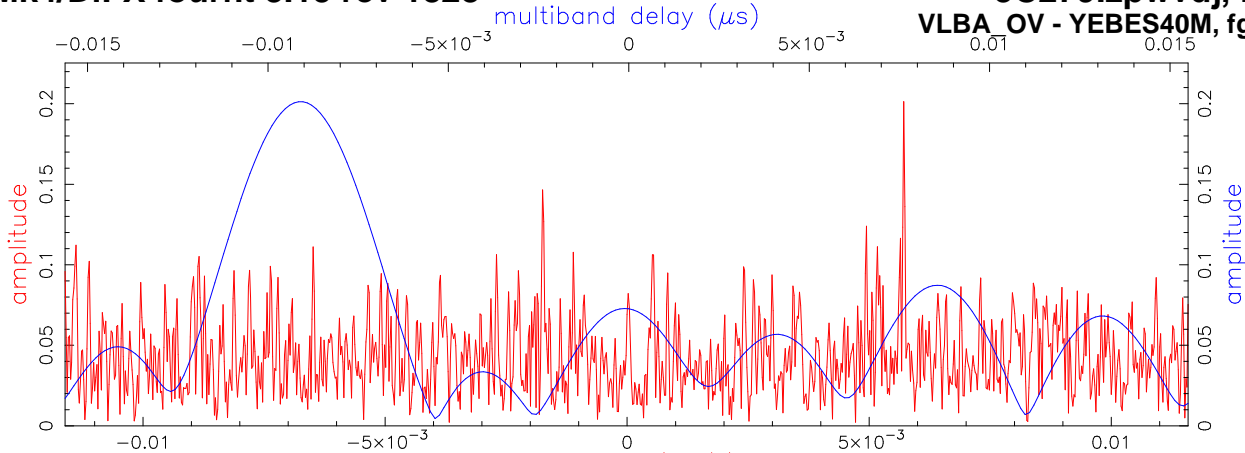


Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec

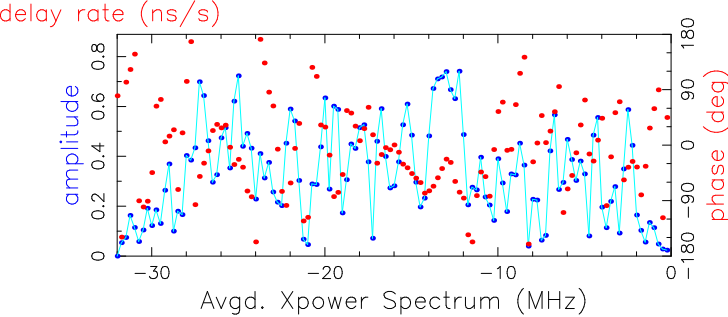
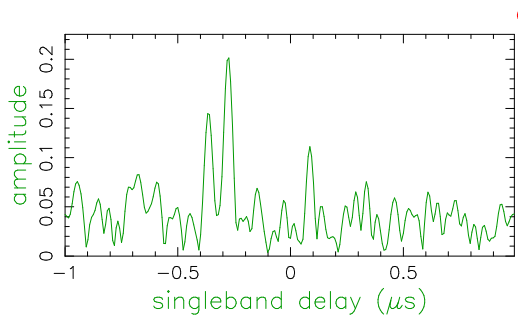


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All	
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	85.7	0.7	
o	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	Ampl.	132.0	
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	Sbd box		
o:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	APs used		
o:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC freqs		
o	1000	1000	1000	1000	1000	1000	1000	1000	PC phase		
Y	1000	1000	1000	1000	1000	1000	1000	1000	ManI PC		
o	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	PC amp		
Y	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids		
									Tracks		
									Tracks		
Group delay (usec)(sbd)	5.01490653280E+03		Apriori delay (usec)		5.01488326299E+03		Resid mbdelay (usec)		-7.98020E-03	+/- 1.1E-04	
Sband delay (usec)	5.01490670899E+03		Apriori clock (usec)		-1.5872263E+00		Resid sbdelay (usec)		2.34460E-02	+/- 8.5E-04	
Phase delay (usec)	5.01488326575E+03		Apriori clockrate (us/s)		-2.0215610E-07		Resid phdelay (usec)		2.76306E-06	+/- 1.8E-07	
Delay rate (us/s)	1.99909912417E+00		Apriori rate (us/s)		1.99909930104E+00		Resid rate (us/s)		-1.76872E-07	+/- 1.4E-09	
Total phase (deg)	4.3		Apriori accel (us/s/s)		-2.61549887849E-05		Resid phase (deg)		-94.3	+/- 5.6	
RMS	Theor.	Amplitude	0.698 +/- 0.034		Pcal mode: MANUAL, MANUAL		PC period (AP's) 5, 5				
ph/seg (deg)	48.4	13.5	Search (1024X32)		0.686		sb window (us)		-1.000	1.000	
amp/seg (%)	47.2	23.5	Interp.		0.000		SampCntNorm: enabled		-0.016	0.016	
ph/frq (deg)	10.1	8.0	Inc. seg. avg.		0.919		Sample rate(MSamp/s): 64		-0.012	0.012	
amp/frq (%)	11.4	13.9	Inc. frq. avg.		0.700		Data rate(Mb/s): 1024		0.00	0.00	
o: az 122.6 el 27.4 pa -42.2		Y: az 249.7 el 13.7 pa 45.9		u,v (fr/asec) -11527.613 -188.138		nlags: 128 t_cohere infinite		ion window (TEC)		simultaneous interpolator	

Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/oY...zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/oY.W.203.zpwvdj

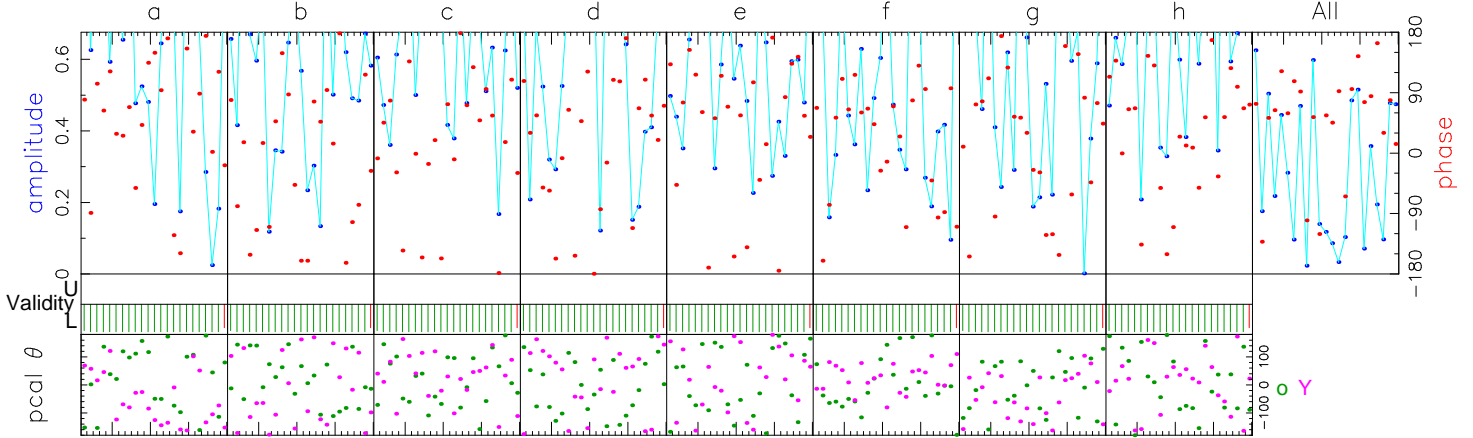


Fringe quality 0
 SNR 5.9
 Int time 228.084
 Amp 0.225
 Phase 1700.7
 PFD 1.6e-01
 Delays (us)
 SBD -0.276515
 MBD -0.009112
 Fringe rate (Hz)
 0.492344
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.500



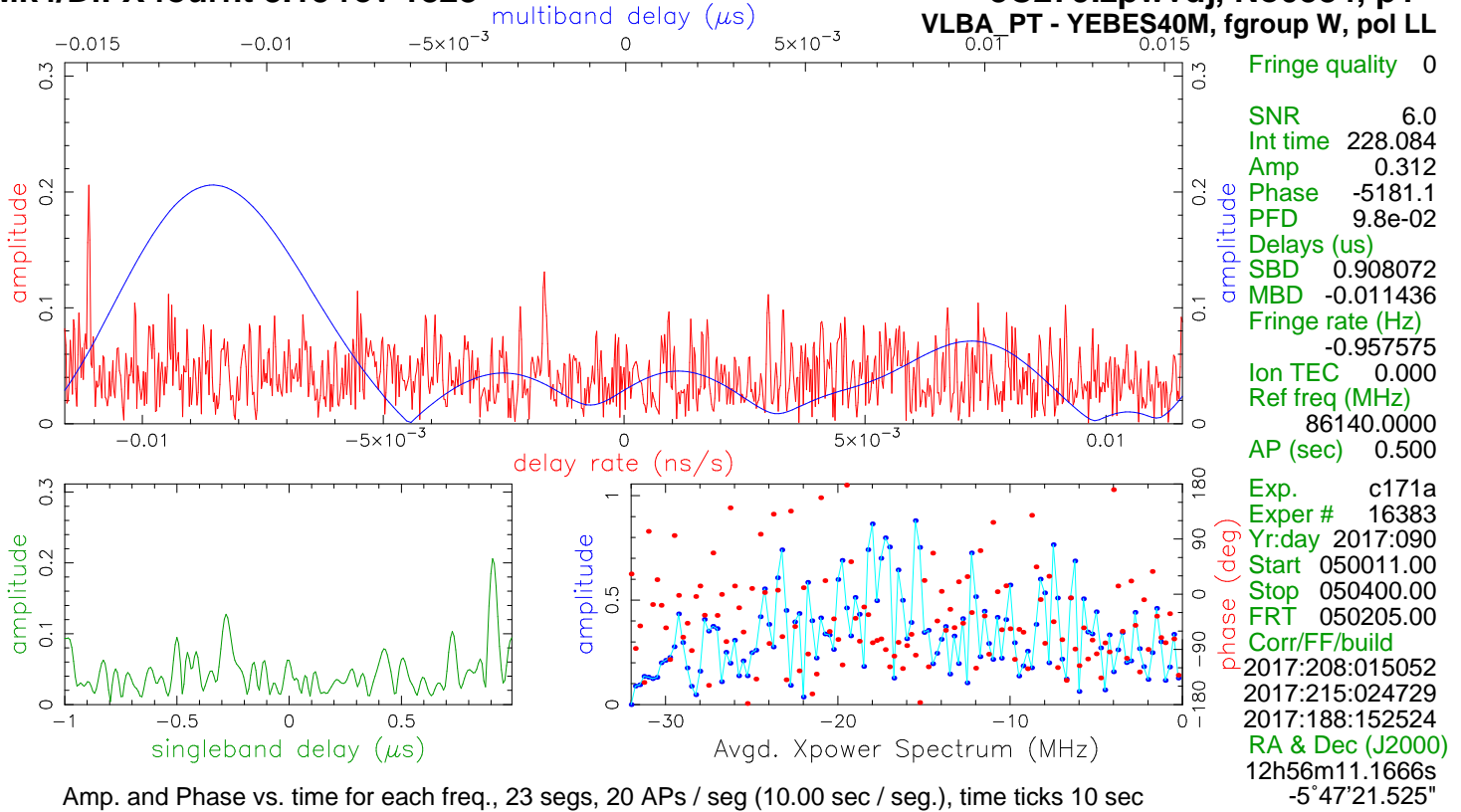
Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050011.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024728
 2017:188:152524
 RA & Dec (J2000)
 12h56m11.1666s
 -5°47'21.525"

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

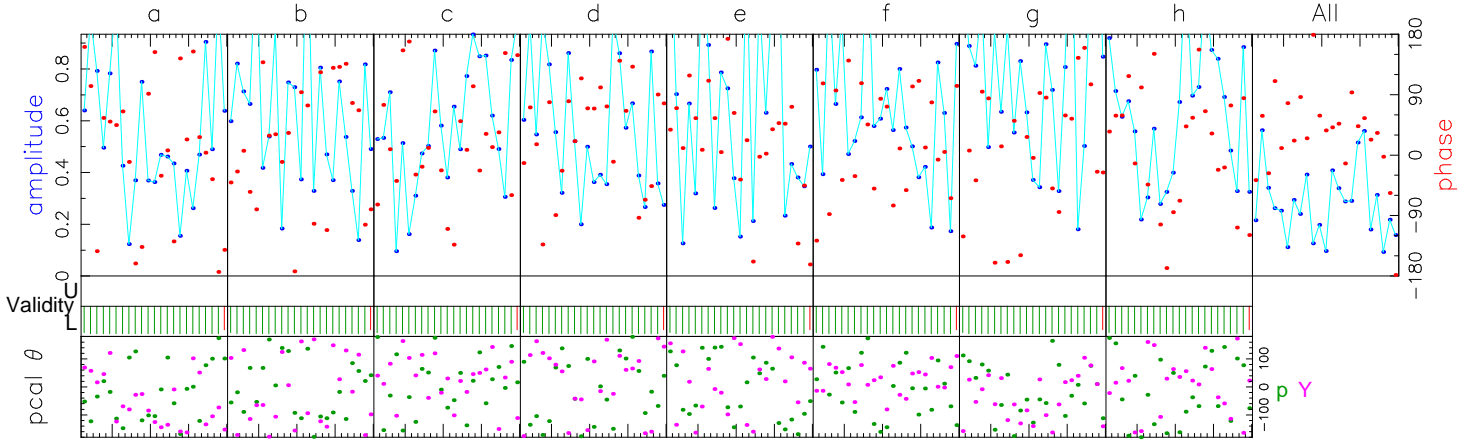


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	80.7	80.7
o	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	0.2	0.2
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	93.6	93.6
o:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC freqs	PC freqs
o:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	PC phase
o	1000	1000	1000	1000	1000	1000	1000	1000	ManI PC	ManI PC
Y	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	PC amp
o	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	Chan ids
Y	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	Tracks
Group delay (usec)(sbd)	5.01459290094E+03		Apriori delay (usec)		5.01488326299E+03		Resid mbdelay (usec)		-9.11205E-03	+/- 3.7E-04
Sband delay (usec)	5.01460674849E+03		Apriori clock (usec)		-1.5872263E+00		Resid sbdelay (usec)		-2.76515E-01	+/- 2.9E-03
Phase delay (usec)	5.01488326559E+03		Apriori clockrate (us/s)		-2.0215610E-07		Resid phdelay (usec)		2.60099E-06	+/- 6.2E-07
Delay rate (us/s)	1.99910501667E+00		Apriori rate (us/s)		1.99909930104E+00		Resid rate (us/s)		5.71563E-06	+/- 4.7E-09
Total phase (deg)	1799.3		Apriori accel (us/s/s)		-2.61549887849E-05		Resid phase (deg)		1700.7	+/- 19.3

ph/seg (deg) 73.9 46.2 Search (1024X32) 0.198 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 104.3 80.7 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 13.5 27.3 Inc. seg. avg. 0.238 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 41.0 47.6 Inc. frq. avg. 0.204 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 o: az 122.6 el 27.4 pa -42.2 Y: az 249.7 el 13.7 pa 45.9 u,v (fr/asec) -11527.613 -188.138 ion window (TEC) 0.00 0.00
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/oY.zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/oY.W.204.zpwvdj simultaneous interpolator



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

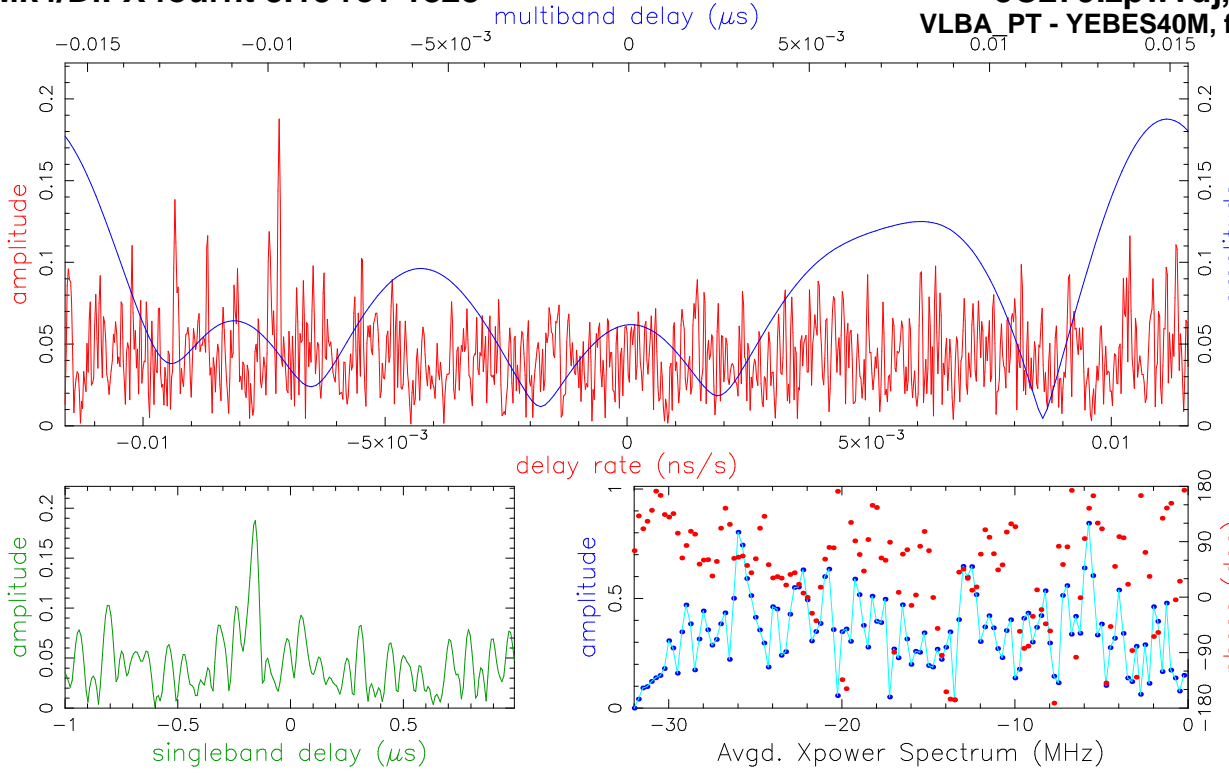


86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
90.2	25.6	18.6	52.7	40.4	22.7	38.9	45.0	Phase	38.9
0.1	0.2	0.3	0.3	0.6	0.3	0.3	0.4	Ampl.	0.3
98.3	26.9	221.9	114.3	243.6	223.5	93.1	221.5	Sbd box	245.2
U/L 0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
p -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC phase	
p:Y 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
p:Y 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC amp	
p 1000	1000	1000	1000	1000	1000	1000	1000	Chan ids	
Y 1000	1000	1000	1000	1000	1000	1000	1000	Tracks	
p W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
Y W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
Group delay (usec)(sbd)	7.64928157854E+03	Apriori delay (usec)	7.64838676413E+03	Resid mbdelay (usec)	-1.14356E-02	+/-	3.6E-04		
Sband delay (usec)	7.64929483563E+03	Apriori clock (usec)	-1.3901184E+00	Resid sbdelay (usec)	9.08072E-01	+/-	2.9E-03		
Phase delay (usec)	7.64838676539E+03	Apriori clockrate (us/s)	-1.9546529E-07	Resid phdelay (usec)	1.25518E-06	+/-	6.1E-07		
Delay rate (us/s)	1.86875493112E+00	Apriori rate (us/s)	1.86876604762E+00	Resid rate (us/s)	-1.11165E-05	+/-	4.6E-09		
Total phase (deg)	-4870.6	Apriori accel (us/s/s)	-3.96788240935E-05	Resid phase (deg)	-5181.1	+/-	19.0		

ph/seg (deg)	RMS 57.3	Theor. 45.5	Amplitude 57.3	0.312 +/- 0.052	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-1.000	1.000
amp/seg (%)	74.5	79.5	Search (1024X32)	0.000	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		mb window (us)	-0.016	0.016
ph/frq (deg)	24.9	26.9	Interp.	0.323	Bits/sample: 2x2	SampCntNorm: enabled	dr window (ns/s)	-0.012	0.012
amp/frq (%)	44.4	46.9	Inc. seg. avg.	0.291	Sample rate(MSamp/s): 64		ion window (TEC)	0.00	0.00
			Inc. frq. avg.		Data rate(Mb/s): 1024	nlags: 128 t_cohere infinite			

p: az 130.1 el 35.7 pa -39.2 Y: az 249.7 el 13.7 pa 45.9 u,v (fr/asec) -10787.080 -443.104 simultaneous interpolator

Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/pY..zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/pY.W.205.zpwwdj

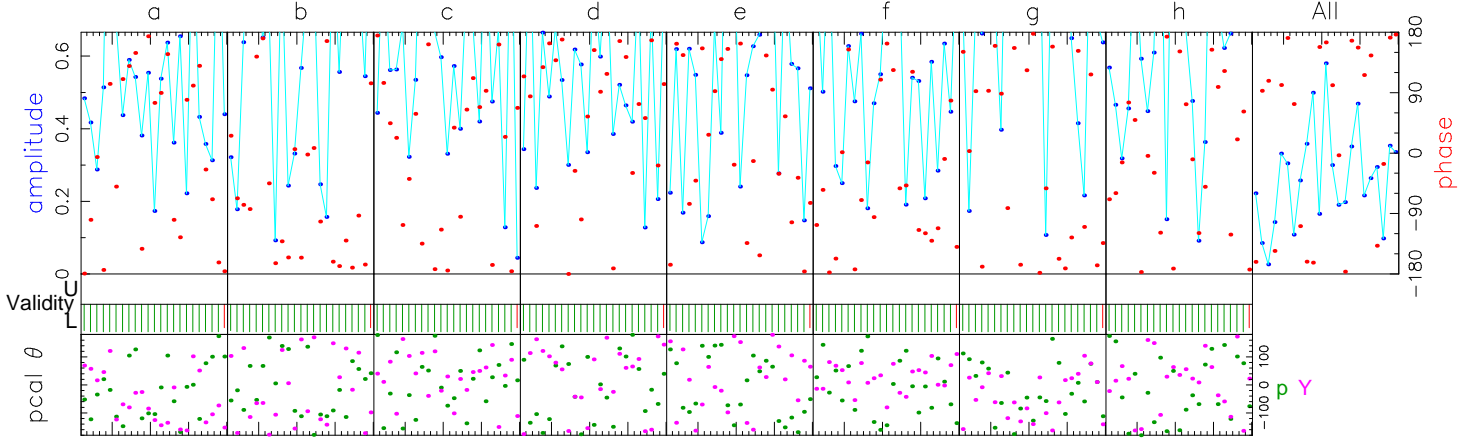


Fringe quality 0

SNR 5.5
Int time 228.084
Amp 0.222
Phase 1068.3
PFD 8.8e-01
Delays (us)
SBD -0.158509
MBD -0.016350
Fringe rate (Hz)
-0.618419
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
2017:215:024730
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"

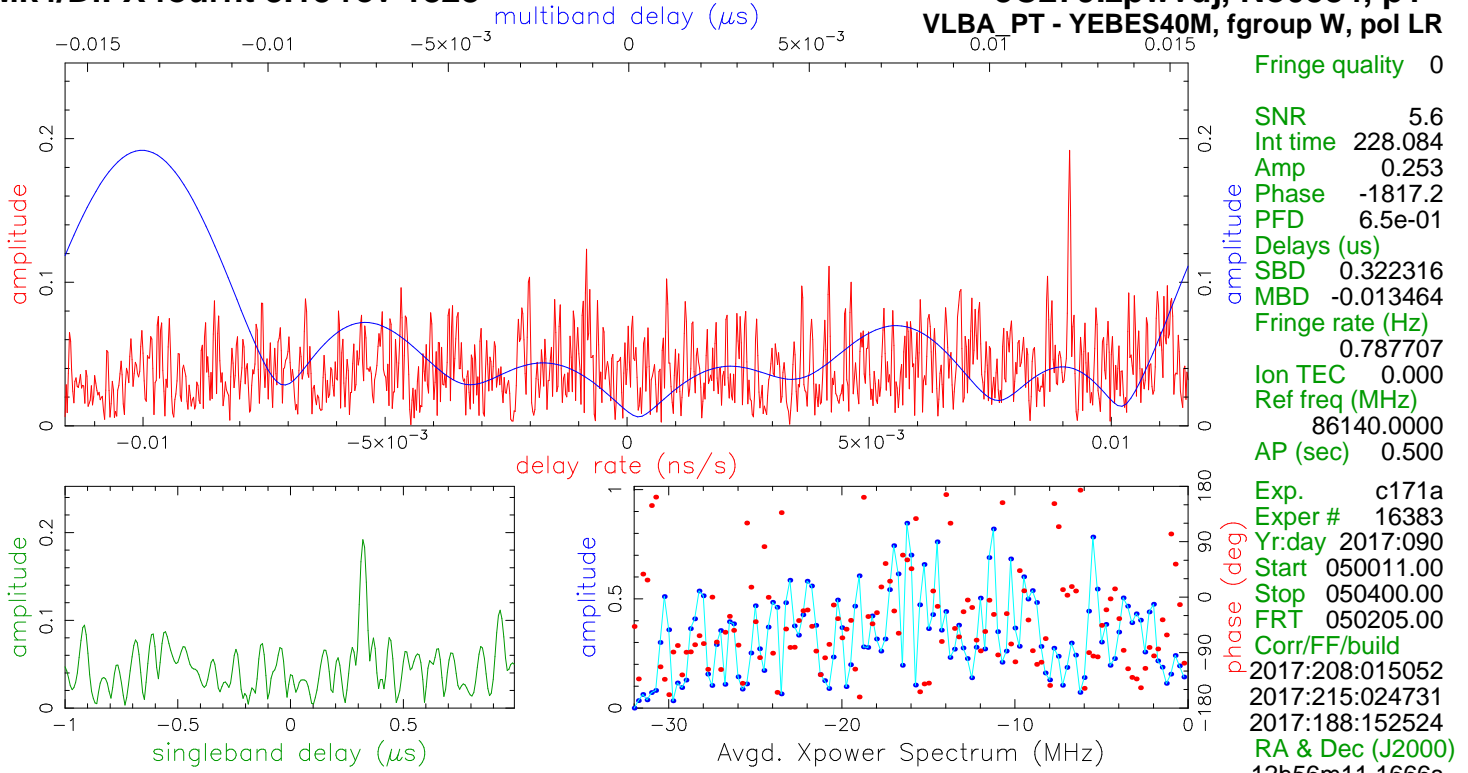
Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec



	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	168.3	168.3
p	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	Ampl.	0.2
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	Sbd box	108.7
p:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	APs used	
p:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC freqs	
p	1000	1000	1000	1000	1000	1000	1000	1000	PC phase	
Y	1000	1000	1000	1000	1000	1000	1000	1000	ManI PC	
p	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	PC amp	
Y	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
									Tracks	
									Tracks	
Group delay (usec)(sbd)	7.64821416438E+03				7.64838676413E+03				Resid mbdelay (usec)	-1.63497E-02 +/- 3.9E-04
Sband delay (usec)	7.64822825463E+03				-1.3901184E+00				Resid sbdelay (usec)	-1.58509E-01 +/- 3.1E-03
Phase delay (usec)	7.64838676956E+03				-1.9546529E-07				Resid phdelay (usec)	5.42629E-06 +/- 6.7E-07
Delay rate (us/s)	1.86875886838E+00				1.86876604762E+00				Resid rate (us/s)	-7.17923E-06 +/- 5.1E-09
Total phase (deg)		1018.8			-3.96788240935E-05				Resid phase (deg)	1068.3 +/- 20.8
	RMS	Theor.	Amplitude	0.222 +/- 0.040					Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5
ph/seg (deg)	68.2	49.9	Search (1024X32)	0.179					Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us) -1.000 1.000
amp/seg (%)	82.6	87.0	Interp.	0.000					Bits/sample: 2x2	mb window (us) -0.016 0.016
ph/frq (deg)	39.3	29.4	Inc. seg. avg.	0.228					Sample rate(MSamp/s): 64	dr window (ns/s) -0.012 0.012
amp/frq (%)	65.9	51.3	Inc. frq. avg.	0.233					Data rate(Mb/s): 1024	ion window (TEC) 0.00 0.00
									nlags: 128 t_cohere infinite	

p: az 130.1 el 35.7 pa -39.2 Y: az 249.7 el 13.7 pa 45.9 u,v (fr/asec) -10787.080 -443.104 simultaneous interpolator

Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/pY.zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/pY.W.206.zpwwdj



Fringe quality 0

SNR 5.6

Int time 228.084

Amp 0.253

Phase -1817.2

PFD 6.5e-01

Delays (us)

SBD 0.322316

MBD -0.013464

Fringe rate (Hz) 0.787707

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

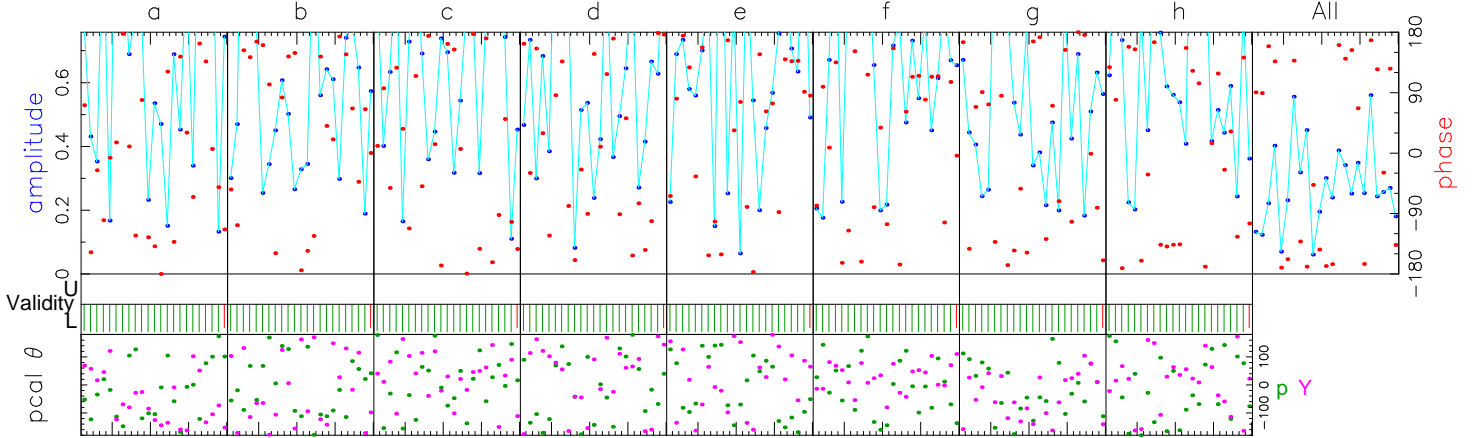
2017:208:015052

2017:215:024731

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
-164.6	148.5	179.1	-172.6	148.5	141.5	-173.6	159.6	Phase	162.8
0.1	0.3	0.3	0.2	0.3	0.3	0.3	0.4	Ampl.	0.2
206.7	54.8	163.8	11.4	168.2	139.7	254.1	171.2	Sbd box	170.3
U/L 0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
p -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
p:Y 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
p:Y 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
p 1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y 1000	1000	1000	1000	1000	1000	1000	1000		
p W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
Y W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	
								Chan ids	
								Tracks	
Group delay (usec)(sbd)	7.64871705028E+03	Apriori delay (usec)	7.64838676413E+03	Resid mbdelay (usec)	-1.34639E-02	+/-	3.9E-04		
Sband delay (usec)	7.64870908063E+03	Apriori clock (usec)	-1.3901184E+00	Resid sbdelay (usec)	3.22316E-01	+/-	3.1E-03		
Phase delay (usec)	7.64838676938E+03	Apriori clockrate (us/s)	-1.9546529E-07	Resid phdelay (usec)	5.24919E-06	+/-	6.6E-07		
Delay rate (us/s)	1.86877519211E+00	Apriori rate (us/s)	1.86876604762E+00	Resid rate (us/s)	9.14450E-06	+/-	5.0E-09		
Total phase (deg)	-1866.7	Apriori accel (us/s/s)	-3.96788240935E-05	Resid phase (deg)	-1817.2	+/-	20.3		

RMS 63.4 Theor. 48.7 Amplitude 0.253 +/- 0.045 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5

ph/seg (deg) 63.4 48.7 Search (1024X32) 0.184 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000

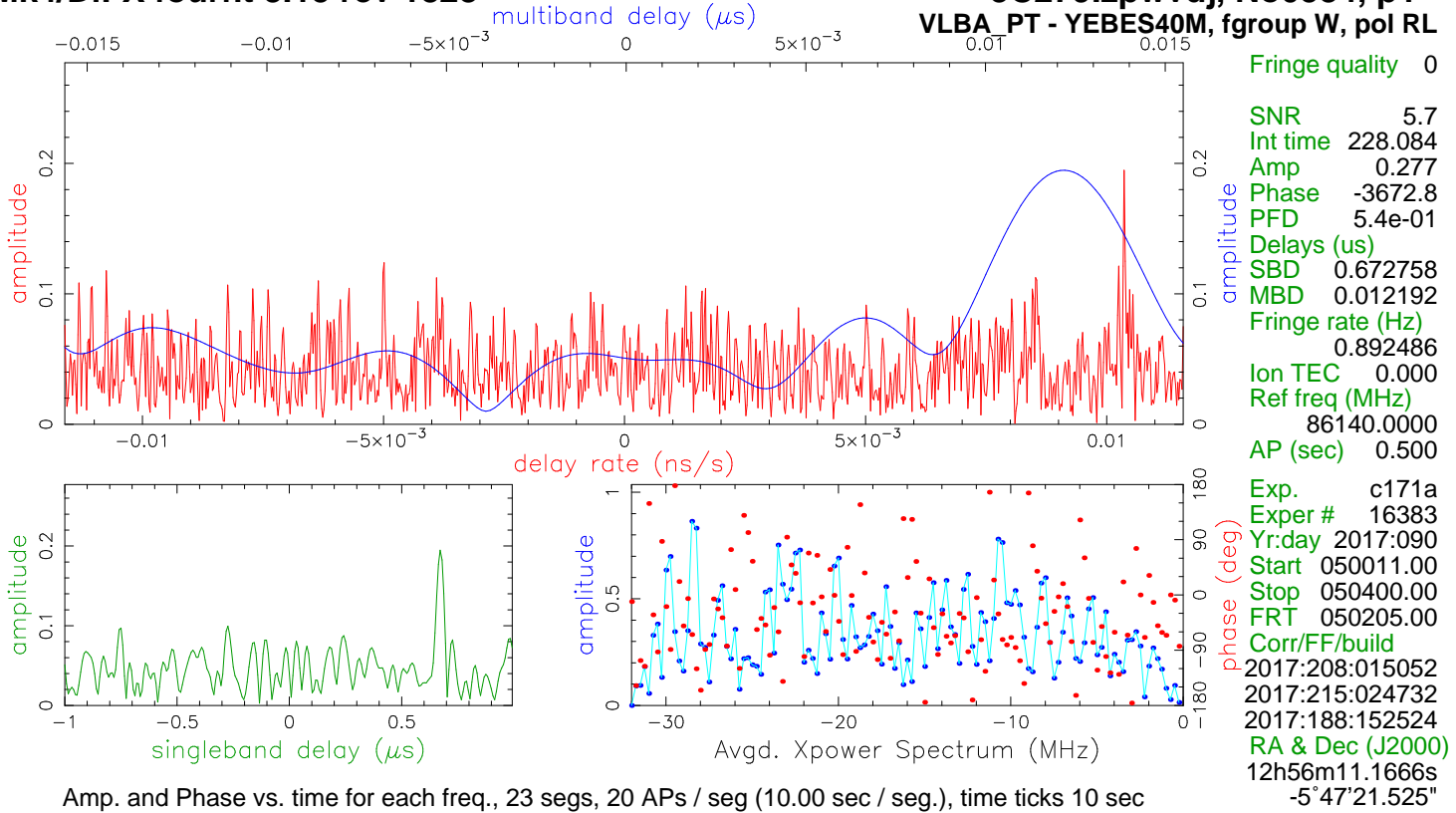
amp/seg (%) 80.7 85.1 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016

ph/frq (deg) 23.7 28.8 Inc. seg. avg. 0.268 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012

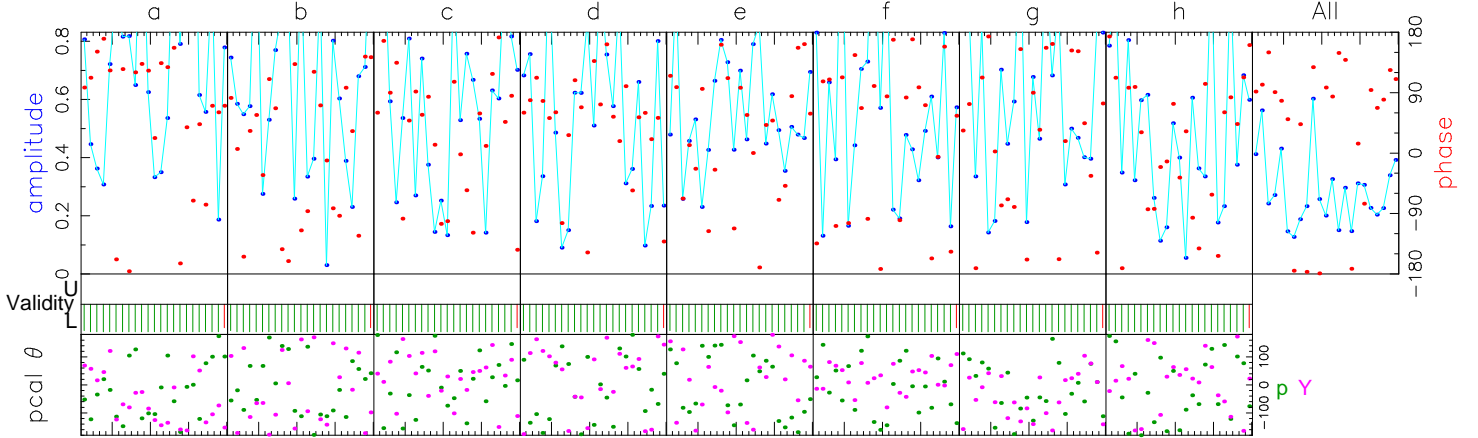
amp/frq (%) 41.0 50.2 Inc. frq. avg. 0.234 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite ion window (TEC) 0.00 0.00

p: az 130.1 el 35.7 pa -39.2 Y: az 249.7 el 13.7 pa 45.9 u,v (fr/asec) -10787.080 -443.104 simultaneous interpolator

Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/pY..zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/pY.W.207.zpwwdj

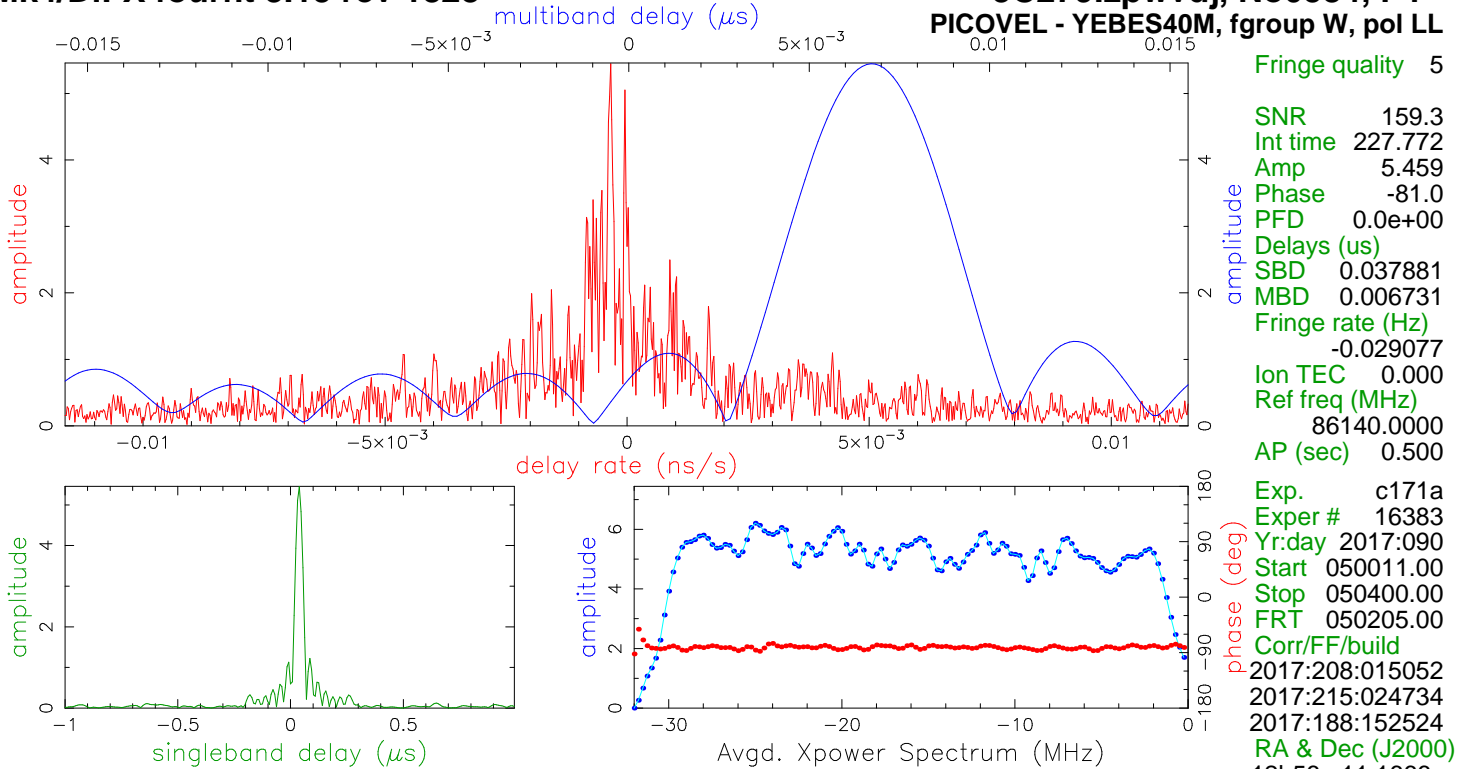


Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec

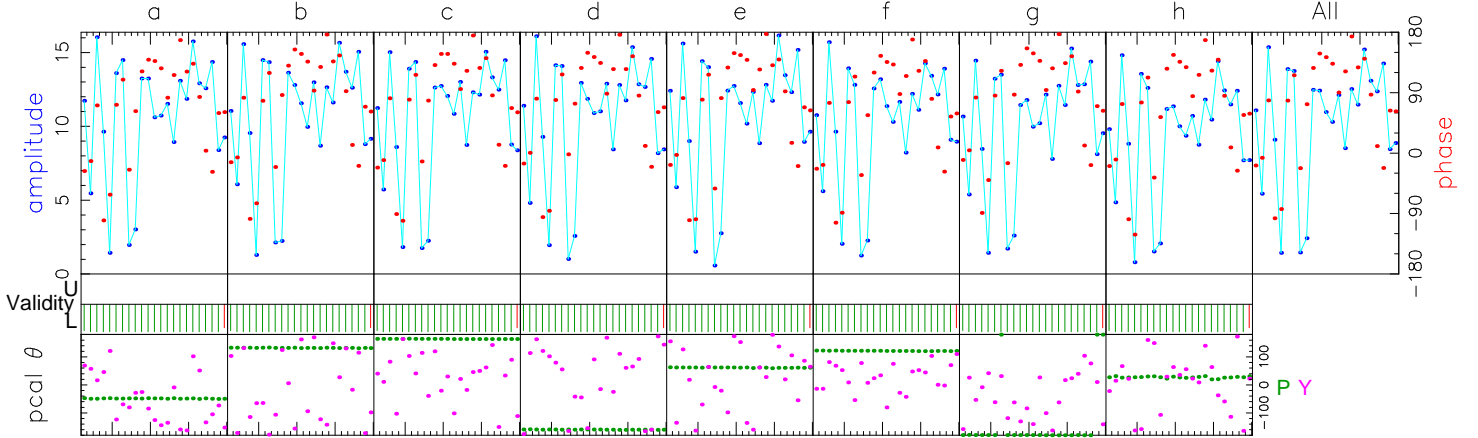


86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
126.3	135.9	87.6	71.6	79.6	126.7	137.3	102.0	Phase	107.2
0.5	0.2	0.3	0.5	0.2	0.4	0.3	0.2	Ampl.	0.3
158.1	183.8	255.5	214.4	115.9	185.6	77.8	114.6	Sbd box	215.1
U/L 0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
p -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
p:Y 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
p:Y 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
p 1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y 1000	1000	1000	1000	1000	1000	1000	1000		
p W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
Y W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
								Chan ids	
								Tracks	
Group delay (usec)(sbd)	7.64905520606E+03		Apriori delay (usec)	7.64838676413E+03		Resid mbdelay (usec)	1.21919E-02	+/-	3.8E-04
Sband delay (usec)	7.64905952213E+03		Apriori clock (usec)	-1.3901184E+00		Resid sbdelay (usec)	6.72758E-01	+/-	3.0E-03
Phase delay (usec)	7.64838676759E+03		Apriori clockrate (us/s)	-1.9546529E-07		Resid phdelay (usec)	3.45682E-06	+/-	6.5E-07
Delay rate (us/s)	1.86877640849E+00		Apriori rate (us/s)	1.86876604762E+00		Resid rate (us/s)	1.03609E-05	+/-	4.9E-09
Total phase (deg)	-3722.3		Apriori accel (us/s/s)	-3.96788240935E-05		Resid phase (deg)	-3672.8	+/-	20.1

ph/seg (deg)	59.6	Theor. 48.3	Amplitude 0.277 +/- 0.049	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-1.000	1.000
amp/seg (%)	78.7	84.2	Search (1024X32) 0.191	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		mb window (us)	-0.016	0.016
ph/frq (deg)	28.6	28.5	Interp. 0.000	Bits/sample: 2x2	SampCntNorm: enabled	dr window (ns/s)	-0.012	0.012
amp/frq (%)	44.7	49.7	Inc. seg. avg. 0.301	Sample rate(MSamp/s): 64		ion window (TEC)	0.00	0.00
			Inc. frq. avg. 0.273	Data rate(Mb/s): 1024	nlags: 128 t_cohere infinite			

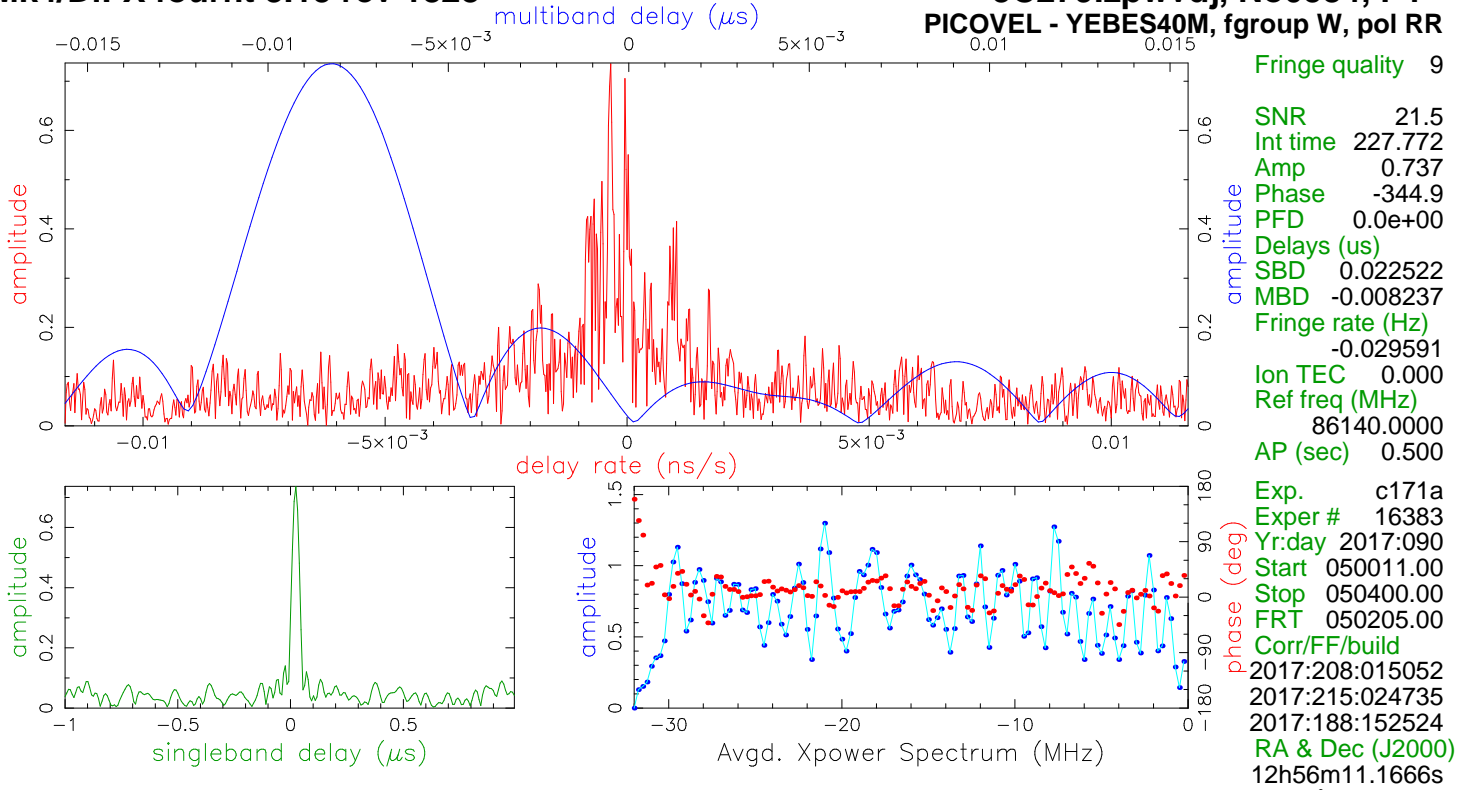


Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec

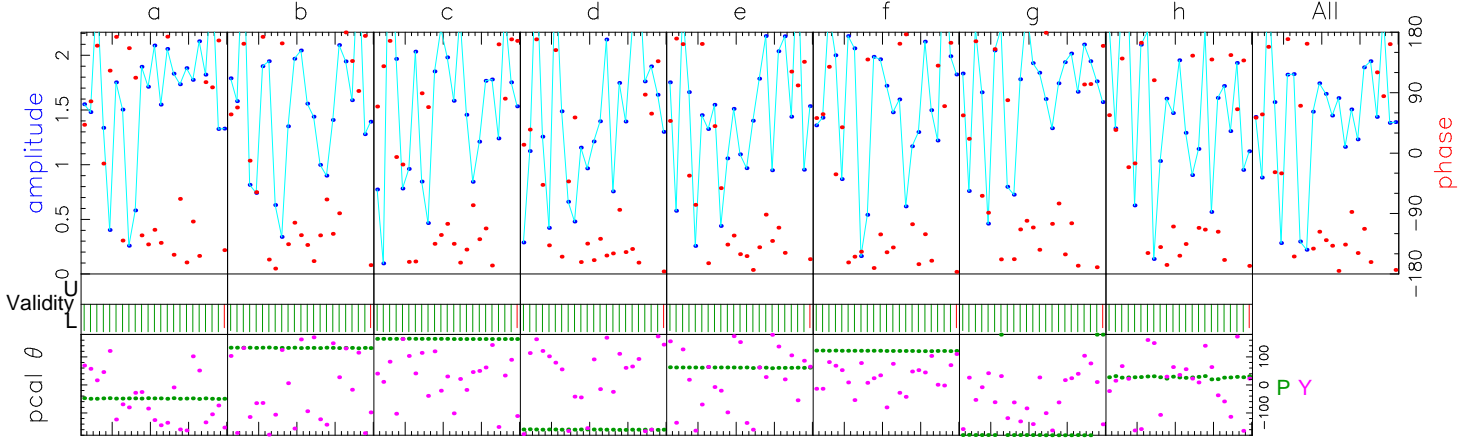


86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
92.7	103.1	101.0	99.9	101.9	94.8	102.5	95.5	Phase	99.0
5.6	5.5	5.6	5.6	5.7	5.3	5.3	5.1	Ampl.	5.5
134.0	134.0	133.7	133.9	133.8	133.9	134.1	133.5	Sbd box	133.8
U/L 0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
P -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
P:Y 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
P:Y 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
P 1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y 1000	1000	1000	1000	1000	1000	1000	1000		
P W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
Y W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
								Chan ids	
								Tracks	
Group delay (usec)(sbd)	4.96354722398E+02		Apriori delay (usec)	4.96316741398E+02		Resid mbdelay (usec)	6.73100E-03	+/-	1.4E-05
Sband delay (usec)	4.96354622398E+02		Apriori clock (usec)	-3.3476164E+00		Resid sbdelay (usec)	3.78810E-02	+/-	1.1E-04
Phase delay (usec)	4.96316744590E+02		Apriori clockrate (us/s)	5.999992E-08		Resid phdelay (usec)	3.19146E-06	+/-	2.3E-08
Delay rate (us/s)	-5.12939710973E-02		Apriori rate (us/s)	-5.12936335393E-02		Resid rate (us/s)	-3.37558E-07	+/-	1.8E-10
Total phase (deg)		-43.6	Apriori accel (us/s/s)	-2.11404459178E-06		Resid phase (deg)	-81.0	+/-	0.7

ph/seg (deg)	78.2	1.7	Amplitude	5.459 +/- 0.034	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5	sb window (us)	-1.000	1.000
amp/seg (%)	115.8	3.0	Search (1024X32)	5.393	Pcal rate:	0.000E+00, 0.000E+00 (us/s)			mb window (us)	-0.016	0.016
ph/frq (deg)	4.3	1.0	Inc. seg. avg.	10.308	Bits/sample:	2x2	SampCntNorm:	enabled	dr window (ns/s)	-0.012	0.012
amp/frq (%)	3.3	1.8	Inc. frq. avg.	5.461	Sample rate(MSamp/s):	64	Data rate(Mb/s):	1024	ion window (TEC)	0.00	0.00
					nlags:	128	t_cohere:	infinite			

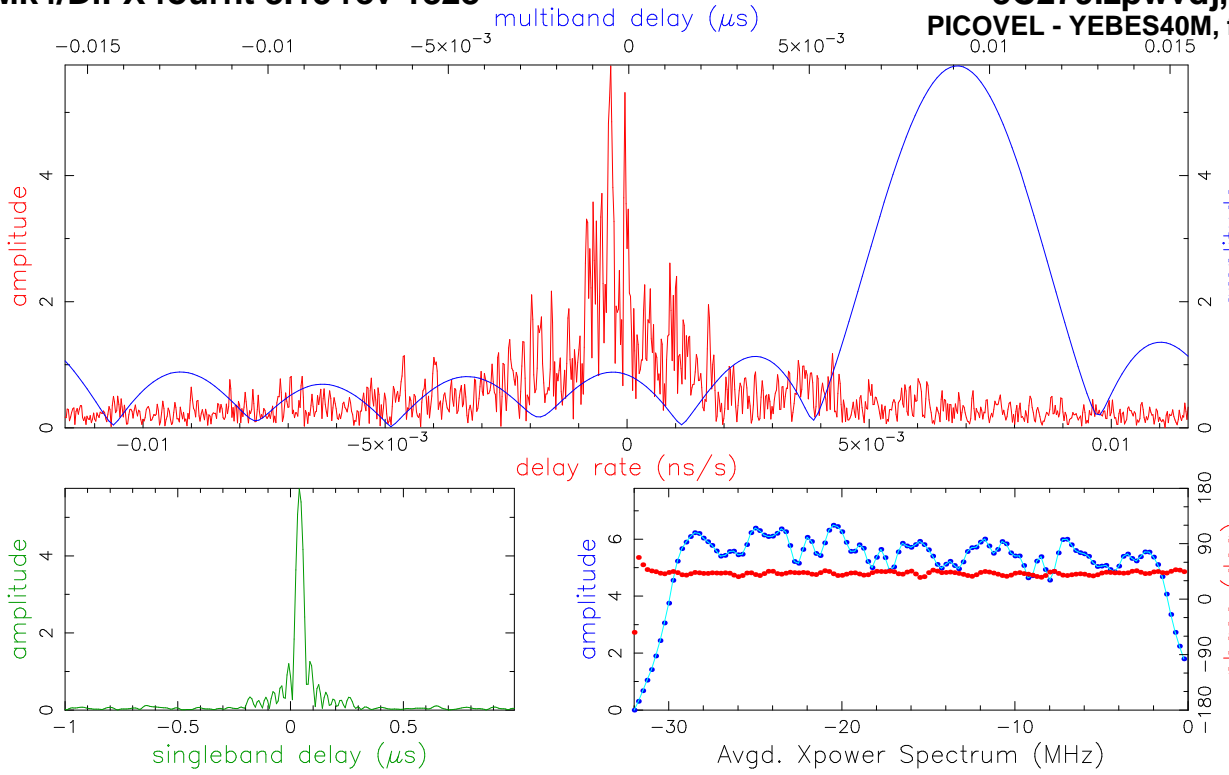


Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec



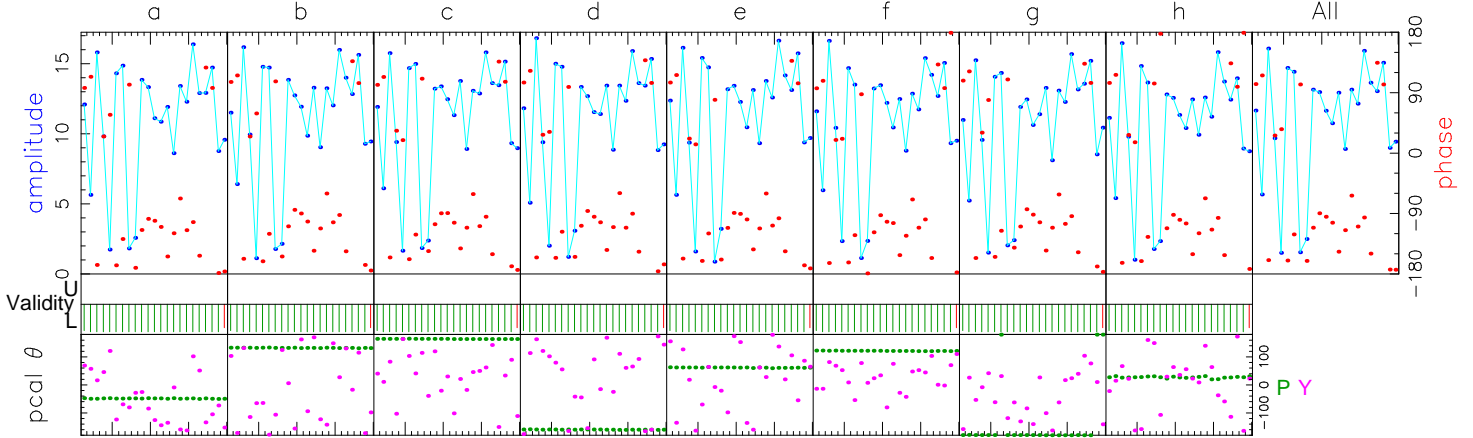
86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
-166.6	-164.1	-159.4	-168.1	-163.0	-178.3	-154.1	-167.6	Phase	-164.9
0.8	0.7	0.8	0.8	0.6	0.7	0.8	0.6	Ampl.	0.7
132.0	132.1	131.8	131.0	132.4	132.0	132.4	131.2	Sbd box	131.9
U/L 0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
P -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
P:Y 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
P:Y 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
P 1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y 1000	1000	1000	1000	1000	1000	1000	1000		
P W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
Y W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	
								Chan ids	
								Tracks	
Group delay (usec)(sbd)	4.96339754648E+02		Apriori delay (usec)	4.96316741398E+02		Resid mbdelay (usec)	-8.23675E-03	+/-	1.0E-04
Sband delay (usec)	4.96339263898E+02		Apriori clock (usec)	-3.3476164E+00		Resid sbdelay (usec)	2.25225E-02	+/-	8.0E-04
Phase delay (usec)	4.96316736080E+02		Apriori clockrate (us/s)	5.9999992E-08		Resid phdelay (usec)	-5.31844E-06	+/-	1.7E-07
Delay rate (us/s)	-5.12939770615E-02		Apriori rate (us/s)	-5.12936335393E-02		Resid rate (us/s)	-3.43522E-07	+/-	1.3E-09
Total phase (deg)		-307.5	Apriori accel (us/s/s)	-2.11404459178E-06		Resid phase (deg)	-344.9	+/-	5.3

ph/seg (deg) 74.7 12.8 Theor. Amplitude 0.737 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 125.4 22.3 Search (1024X32) 0.715 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 7.6 7.5 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 10.9 13.2 Inc. seg. avg. 1.413 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 P: az 250.4 el 15.1 pa 49.1 Y: az 249.7 el 13.7 pa 45.9 u,v (fr/asec) 293.618 -395.784 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/PY..zpwwdj Output file: /Exps/c171a/gmva/1234/No0584/PY.W.210.zpwwdj



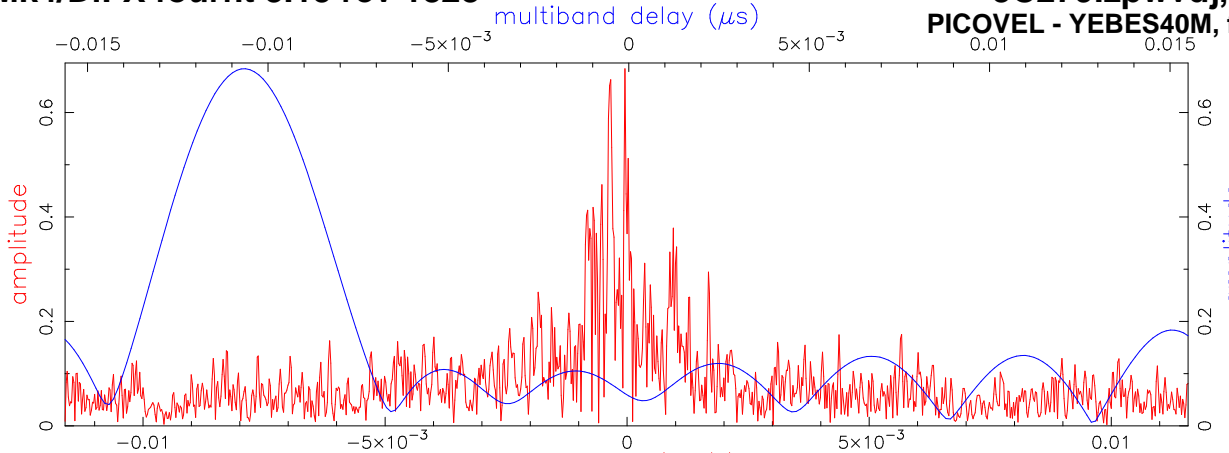
Fringe quality 5
 SNR 167.8
 Int time 227.772
 Amp 5.753
 Phase -318.0
 PFD 0.0e+00
 Delays (us)
 SBD 0.040349
 MBD 0.009107
 Fringe rate (Hz)
 -0.029103
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.500
 Exp. c171a
 Exper # 16383
 Yr:day 2017:090
 Start 050011.00
 Stop 050400.00
 FRT 050205.00
 Corr/FF/build
 2017:208:015052
 2017:215:024736
 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
	-144.2	-135.7	-135.6	-134.7	-135.1	-142.1	-136.1	-141.2	Phase	-138.0
	5.7	5.7	5.9	5.9	6.0	5.6	5.6	5.7	Ampl.	5.8
	134.3	134.3	134.1	134.1	134.1	134.2	134.3	133.8	Sbd box	134.2
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
P	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
P:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
P:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	ManI PC	
P	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y	1000	1000	1000	1000	1000	1000	1000	1000		
P	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
Y	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)	4.96357098773E+02		Apriori delay (usec)		4.96316741398E+02		Resid mbdelay (usec)		9.10738E-03	+/- 1.3E-05
Sband delay (usec)	4.96357089898E+02		Apriori clock (usec)		-3.3476164E+00		Resid sbdelay (usec)		4.03485E-02	+/- 1.0E-04
Phase delay (usec)	4.96316736946E+02		Apriori clockrate (us/s)		5.9999992E-08		Resid phdelay (usec)		-4.45172E-06	+/- 2.2E-08
Delay rate (us/s)	-5.12939713977E-02		Apriori rate (us/s)		-5.12936335393E-02		Resid rate (us/s)		-3.37858E-07	+/- 1.7E-10
Total phase (deg)			Apriori accel (us/s/s)		-2.11404459178E-06		Resid phase (deg)		-318.0	+/- 0.7

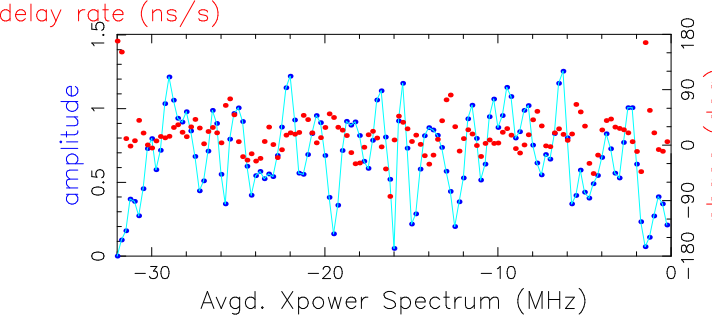
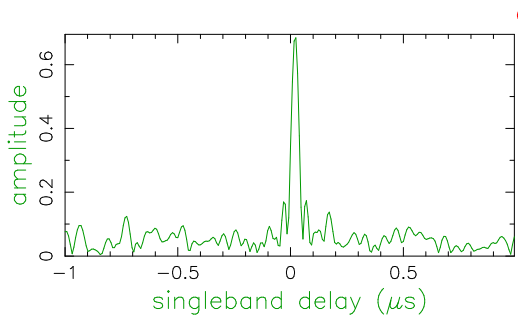
RMS Theor. Amplitude 5.753 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 77.6 1.6 Search (1024X32) 5.610 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 amp/seg (%) 115.7 2.9 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 ph/frq (deg) 4.1 1.0 Inc. seg. avg. 10.862 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 (%) 2.3 1.7 Inc. frq. avg. 5.751 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite ion window (TEC) 0.00 0.00



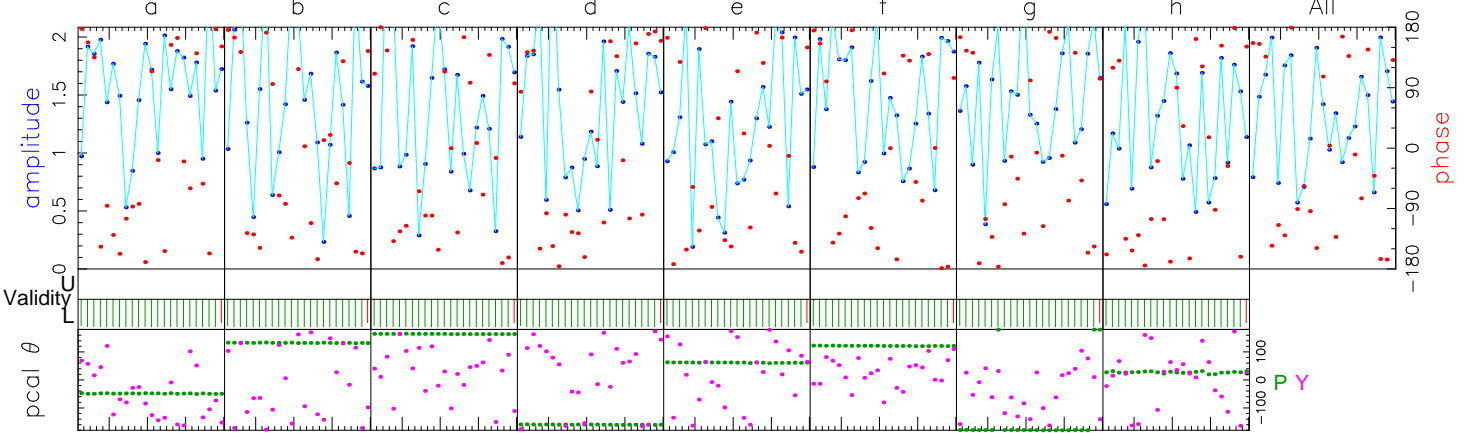
Fringe quality 9

SNR 20.3
Int time 227.772
Amp 0.695
Phase -343.9
PFD 0.0e+00
Delays (us)
SBD 0.020180
MBD -0.010693
Fringe rate (Hz)
-0.003991
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
2017:215:024737
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"

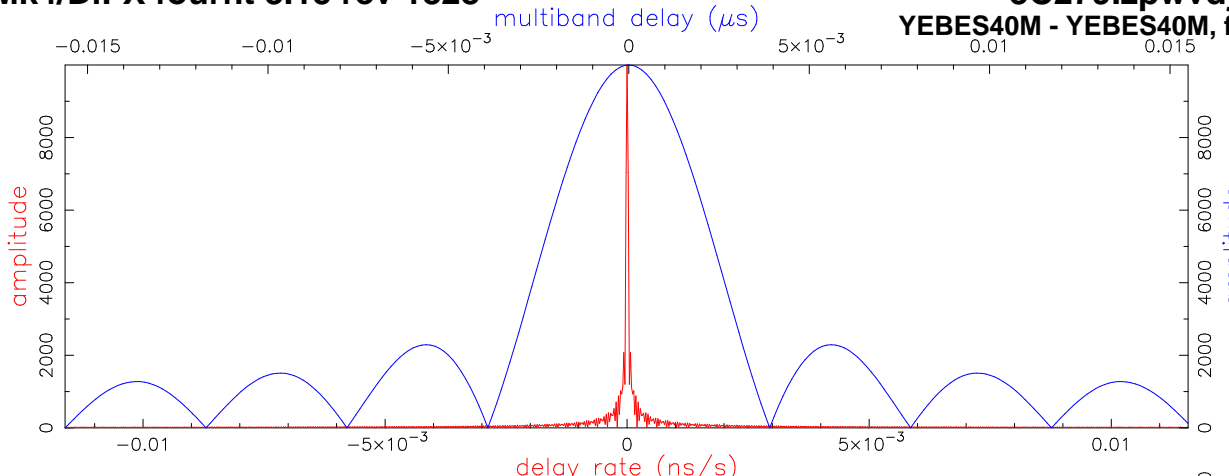


Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec

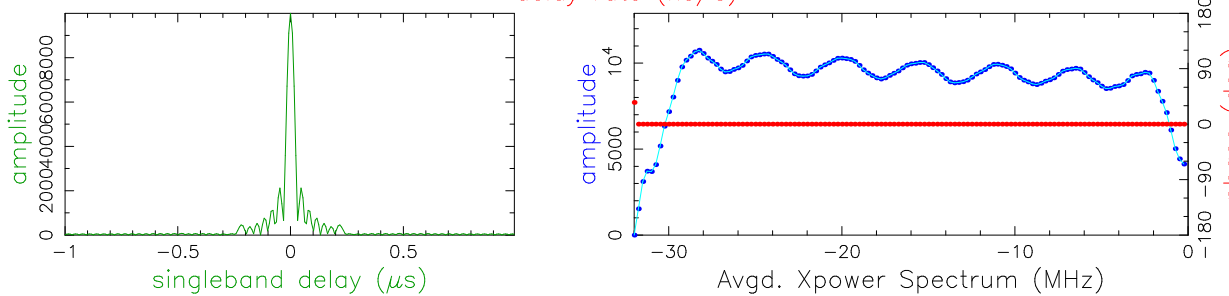


	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	-162.4	-165.2	-169.3	-168.9	-161.0	-160.9	-146.4	-173.4	Phase	-163.9
	0.8	0.7	0.7	0.8	0.6	0.7	0.6	0.7	Ampl.	0.7
	131.6	131.6	131.4	132.0	131.3	131.9	131.6	130.9	Sbd box	131.6
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
P	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
P:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
P:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
P	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y	1000	1000	1000	1000	1000	1000	1000	1000		
P	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
									Tracks	
Y	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
									Tracks	
Group delay (usec)(sbd)	4.96337297927E+02		Apriori delay (usec)		4.96316741398E+02		Resid mbdelay (usec)		-1.06935E-02	+/- 1.1E-04
Sband delay (usec)	4.96336920898E+02		Apriori clock (usec)		-3.3476164E+00		Resid sbdelay (usec)		2.01795E-02	+/- 8.5E-04
Phase delay (usec)	4.96316736112E+02		Apriori clockrate (us/s)		5.9999992E-08		Resid phdelay (usec)		-5.28570E-06	+/- 1.8E-07
Delay rate (us/s)	-5.12936798680E-02		Apriori rate (us/s)		-5.12936335393E-02		Resid rate (us/s)		-4.63287E-08	+/- 1.4E-09
Total phase (deg)			Apriori accel (us/s/s)		-2.11404459178E-06		Resid phase (deg)		-343.9	+/- 5.6

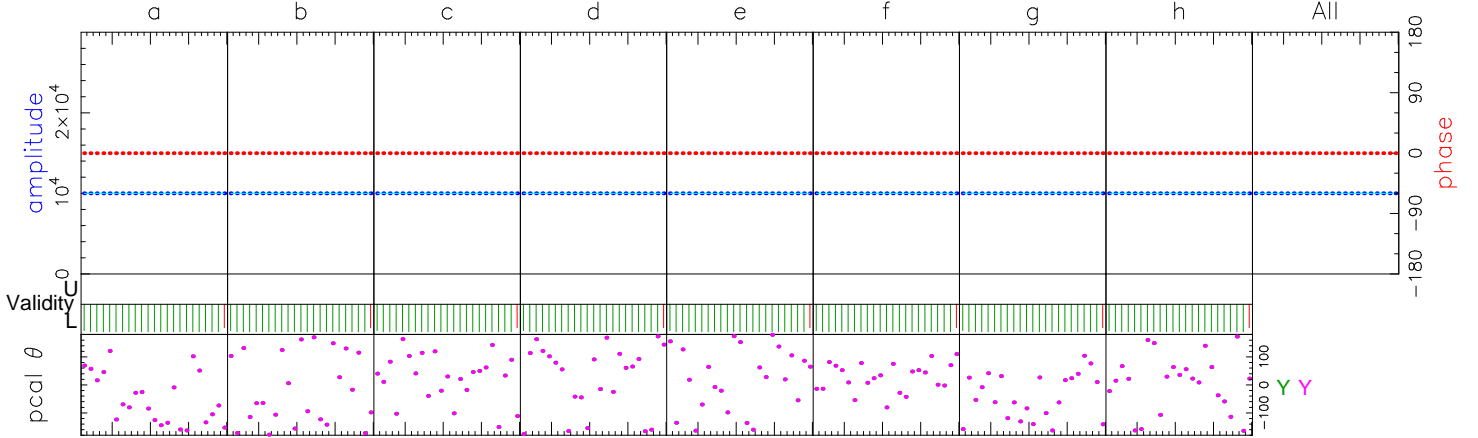
ph/seg (deg) 74.7 13.5 Theor. Amplitude 0.695 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 111.7 23.6 Search (1024X32) 0.683 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 8.9 8.0 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 12.2 13.9 Inc. seg. avg. 1.296 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 Inc. frq. avg. 0.683 Resid rate (us/s) -4.63287E-08 ion window (TEC) 0.00 0.00



Fringe quality 9
SNR 292031.7
Int time 228.084
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 050011.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052
2017:215:024743
2017:188:152524
RA & Dec (J2000)
12h56m11.1666s
-5°47'21.525"

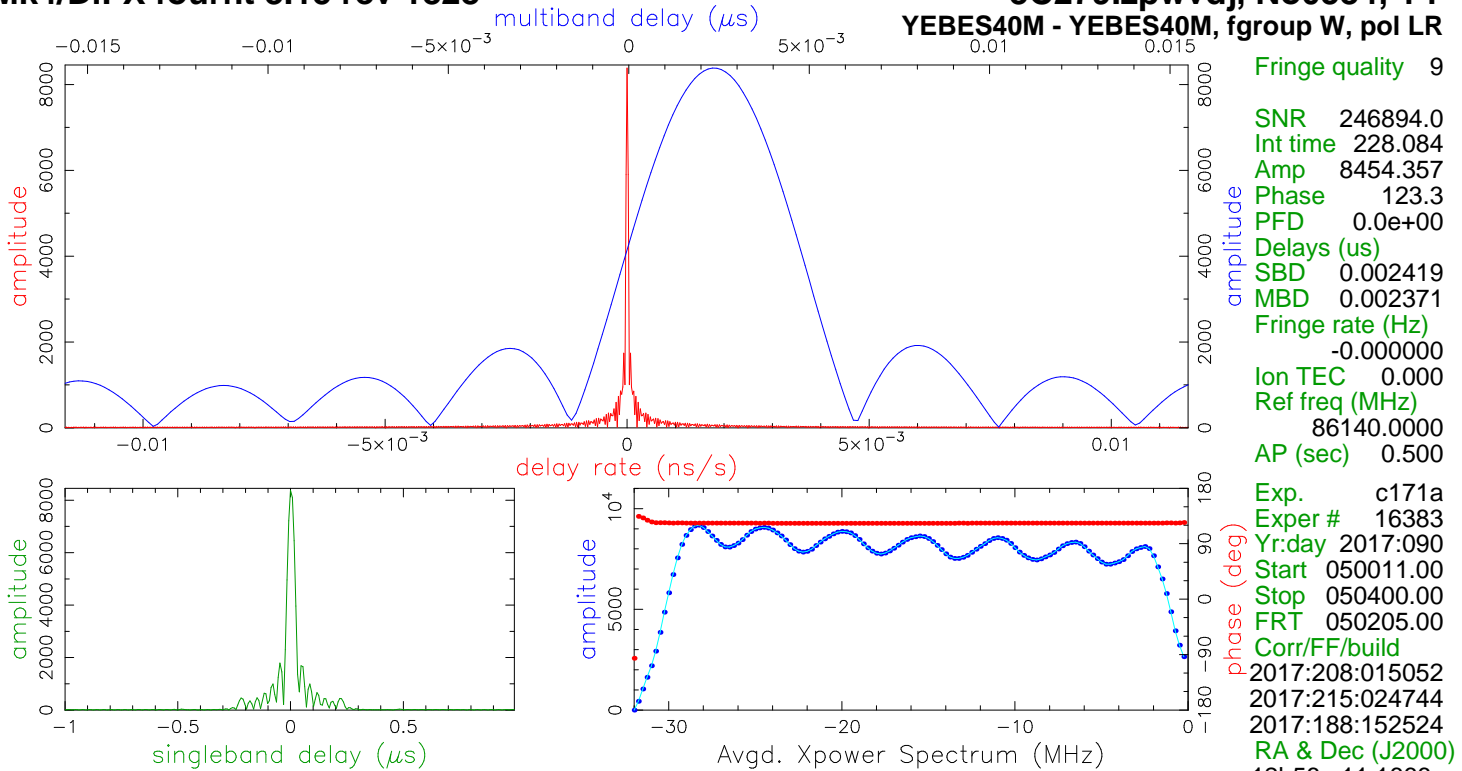


Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.00 sec / seg.), time ticks 10 sec

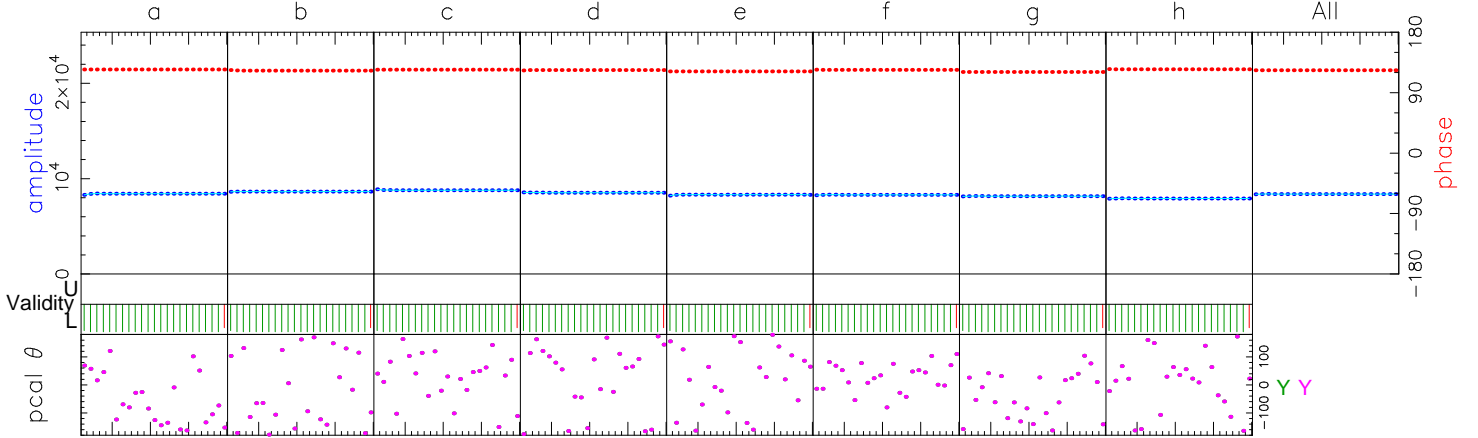


86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Phase	0.0
10000.0	10000.0	10000.0	10000.0	10000.0	10000.0	10000.0	10000.0	Ampl.	10000.0
129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	Sbd box	129.0
U/L 0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
Y -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y:Y 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
Y:Y 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
Y 1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y 1000	1000	1000	1000	1000	1000	1000	1000		
Y W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
Y W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	
								Chan ids	
								Tracks	
Group delay (usec)(sbd)	0.0000000000E+00	Apriori delay (usec)	0.0000000000E+00	Resid mbdelay (usec)	0.00000E+00	+/-	7.4E-09		
Sband delay (usec)	0.0000000000E+00	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	0.00000E+00	+/-	5.9E-08		
Phase delay (usec)	0.0000000000E+00	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	0.00000E+00	+/-	1.3E-11		
Delay rate (us/s)	0.0000000000E+00	Apriori rate (us/s)	0.0000000000E+00	Resid rate (us/s)	0.00000E+00	+/-	9.6E-14		
Total phase (deg)	0.0	Apriori accel (us/s/s)	0.0000000000E+00	Resid phase (deg)	0.0	+/-	0.0		

RMS Theor. Amplitude 9999.999 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 0.0 0.0 Search (1024X32) 9999.999 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 amp/seg (%) 0.0 0.0 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 ph/frq (deg) 0.0 0.0 Inc. seg. avg. 10000.000 Sample rate(MSamp/s): 64 dr window (ns/s) -0.012 0.012
 amp/frq (%) 0.0 0.0 Inc. frq. avg. 9999.999 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite ion window (TEC) 0.00 0.00
 Y: az 249.7 el 13.7 pa 45.9 Y: az 249.7 el 13.7 pa 45.9 u,v (fr/asec) 0.000 0.000 simultaneous interpolator
 Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/YY.zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/YY.W.218.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
124.5	122.9	124.1	123.6	121.6	124.0	120.7	124.7	Phase	123.3
8419.5	8637.9	8788.0	8526.9	8311.6	8305.0	8167.0	7919.4	Ampl.	8384.4
129.4	129.2	129.3	129.2	129.3	129.3	129.3	129.3	Sbd box	129.3
U/L 0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
Y -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y -1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y:Y 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
Y:Y 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
Y 1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y 1000	1000	1000	1000	1000	1000	1000	1000		
Y W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
Y W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Tracks	
								Chan ids	
								Tracks	
Group delay (usec)(sbd)	2.37137500000E-03	Apriori delay (usec)	0.00000000000E+00	Resid mbdelay (usec)	2.37137E-03	+/-	8.8E-09		
Sband delay (usec)	2.41950000000E-03	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	2.41950E-03	+/-	7.0E-08		
Phase delay (usec)	3.97478136621E-06	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	3.97478E-06	+/-	1.5E-11		
Delay rate (us/s)	-1.45112607383E-12	Apriori rate (us/s)	0.00000000000E+00	Resid rate (us/s)	-1.45113E-12	+/-	1.1E-13		
Total phase (deg)	123.3	Apriori accel (us/s/s)	0.00000000000E+00	Resid phase (deg)	123.3	+/-	0.0		

RMS Theor. Amplitude 8454.357 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5

ph/seg (deg) 0.0 0.0 Search (1024X32) 8238.382 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000

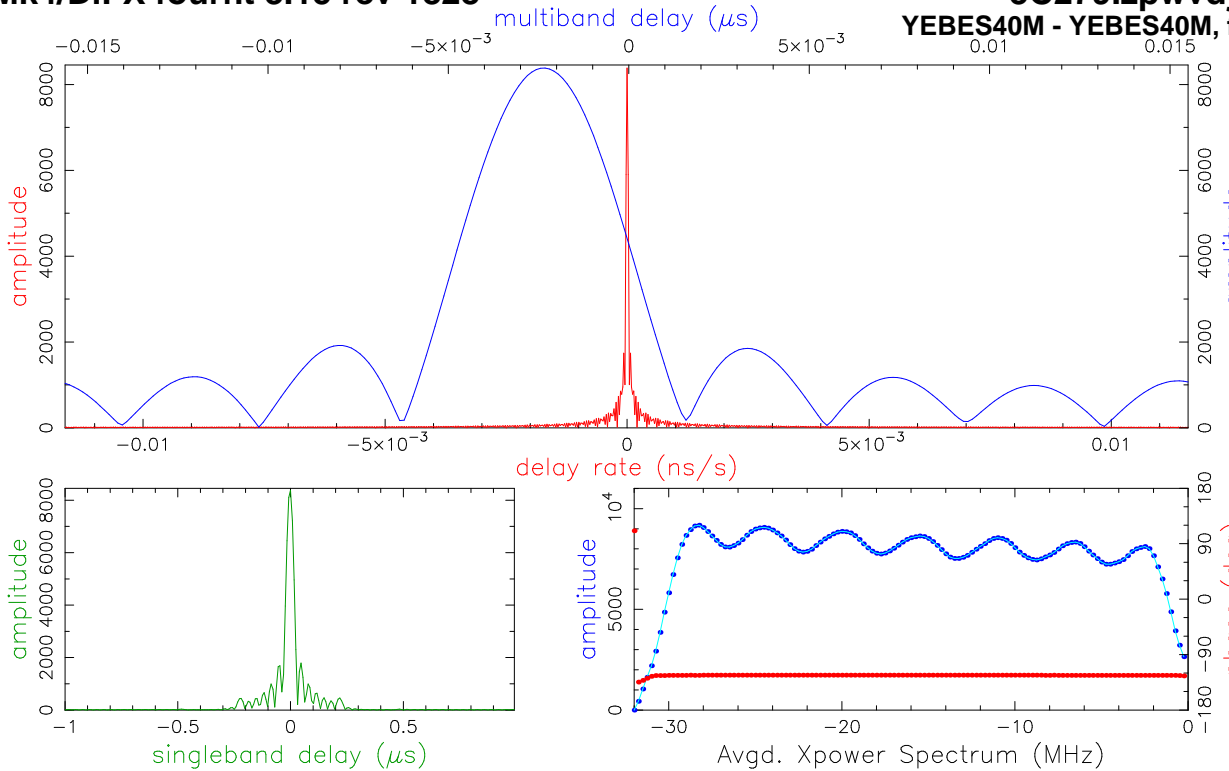
amp/seg (%) 0.9 0.0 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016

ph/frq (deg) 1.5 0.0 Inc. seg. avg. 8382.208 Sample rate(MSamp/s): 64 dr window (ns/s) -0.012 0.012

amp/frq (%) 3.1 0.0 Inc. frq. avg. 8384.419 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite ion window (TEC) 0.00 0.00

Y: az 249.7 el 13.7 pa 45.9 Y: az 249.7 el 13.7 pa 45.9 u,v (fr/asec) 0.000 0.000 simultaneous interpolator

Control file: ../cf_1234 Input file: /Exps/c171a/gmva/1234/No0584/YY.zpwvdj Output file: /Exps/c171a/gmva/1234/No0584/YY.W.219.zpwvdj

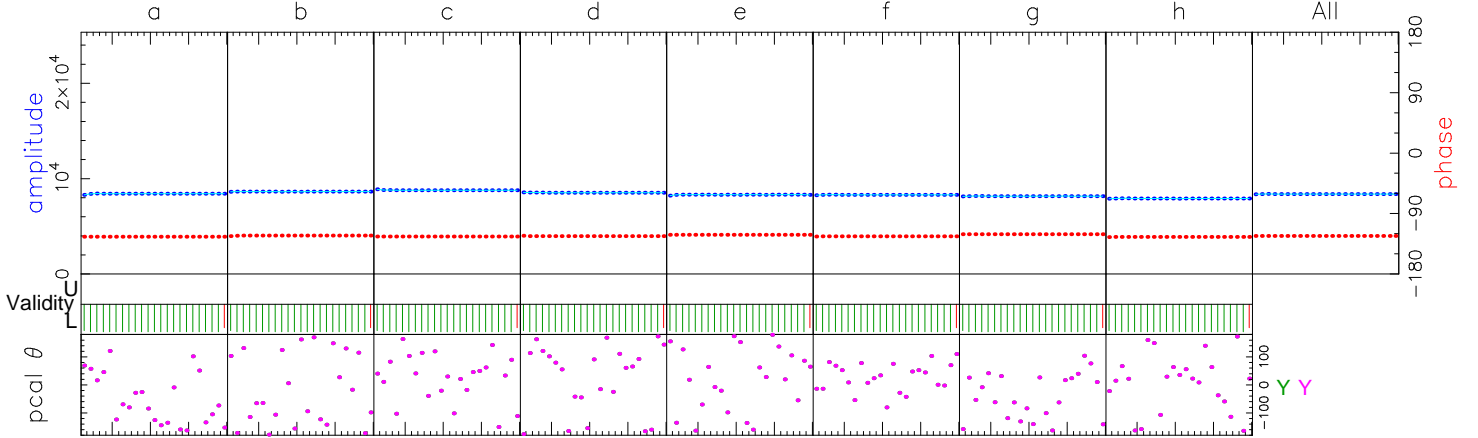


Fringe quality 9

SNR 246894.0
Int time 228.084
Amp 8454.357
Phase -123.3
PFD 0.0e+00
Delays (us)
SBD -0.002419
MBD -0.002371
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 050011.00
Stop 050400.00
FRT 050205.00
Corr/FF/build
2017:208:015052
2017:215:024745
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
	-124.5	-122.9	-124.1	-123.6	-121.6	-124.0	-120.7	-124.7	Phase	-123.3
	8419.5	8637.9	8788.0	8526.9	8311.6	8305.0	8167.0	7919.4	Ampl.	8384.4
	128.6	128.8	128.7	128.8	128.7	128.7	128.7	128.7	Sbd box	128.7
U/L	0/458	0/458	0/458	0/458	0/458	0/458	0/458	0/458	APs used	
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
Y:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
Y	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y	1000	1000	1000	1000	1000	1000	1000	1000		
Y	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
Y	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Tracks	
									Chan ids	
									Tracks	
Group delay (usec)(sbd)		-2.37137500000E-03		Apriori delay (usec)	0.00000000000E+00		Resid mbdelay (usec)	-2.37137E-03	+/-	8.8E-09
Sband delay (usec)		-2.41950000000E-03		Apriori clock (usec)	0.0000000E+00		Resid sbdelay (usec)	-2.41950E-03	+/-	7.0E-08
Phase delay (usec)		-3.97478136612E-06		Apriori clockrate (us/s)	0.0000000E+00		Resid phdelay (usec)	-3.97478E-06	+/-	1.5E-11
Delay rate (us/s)		1.45112607383E-12		Apriori rate (us/s)	0.00000000000E+00		Resid rate (us/s)	1.45113E-12	+/-	1.1E-13
Total phase (deg)		-123.3		Apriori accel (us/s/s)	0.00000000000E+00		Resid phase (deg)	-123.3	+/-	0.0

ph/seg (deg) 0.0 0.0 Theor. Amplitude 8454.357 +/- 0.034 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 0.9 0.0 Search (1024X32) 8238.382 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 1.5 0.0 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.016 0.016
 amp/frq (%) 3.1 0.0 Inc. seg. avg. 8382.208 Sample rate(MSamp/s): 64 Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite dr window (ns/s) -0.012 0.012
 Inc. frq. avg. 8384.419 simultaneous interpolator