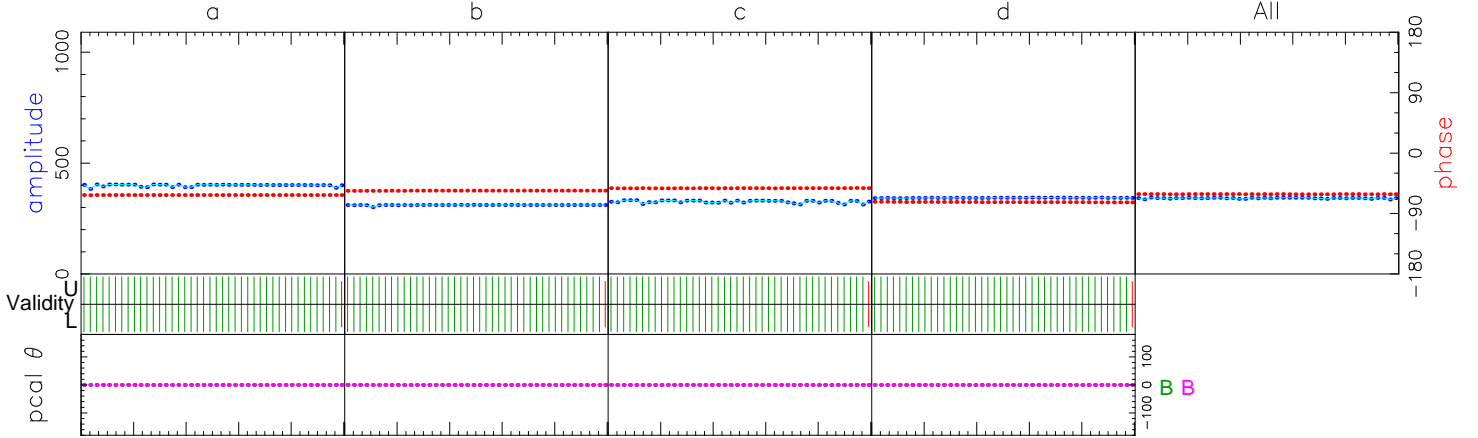


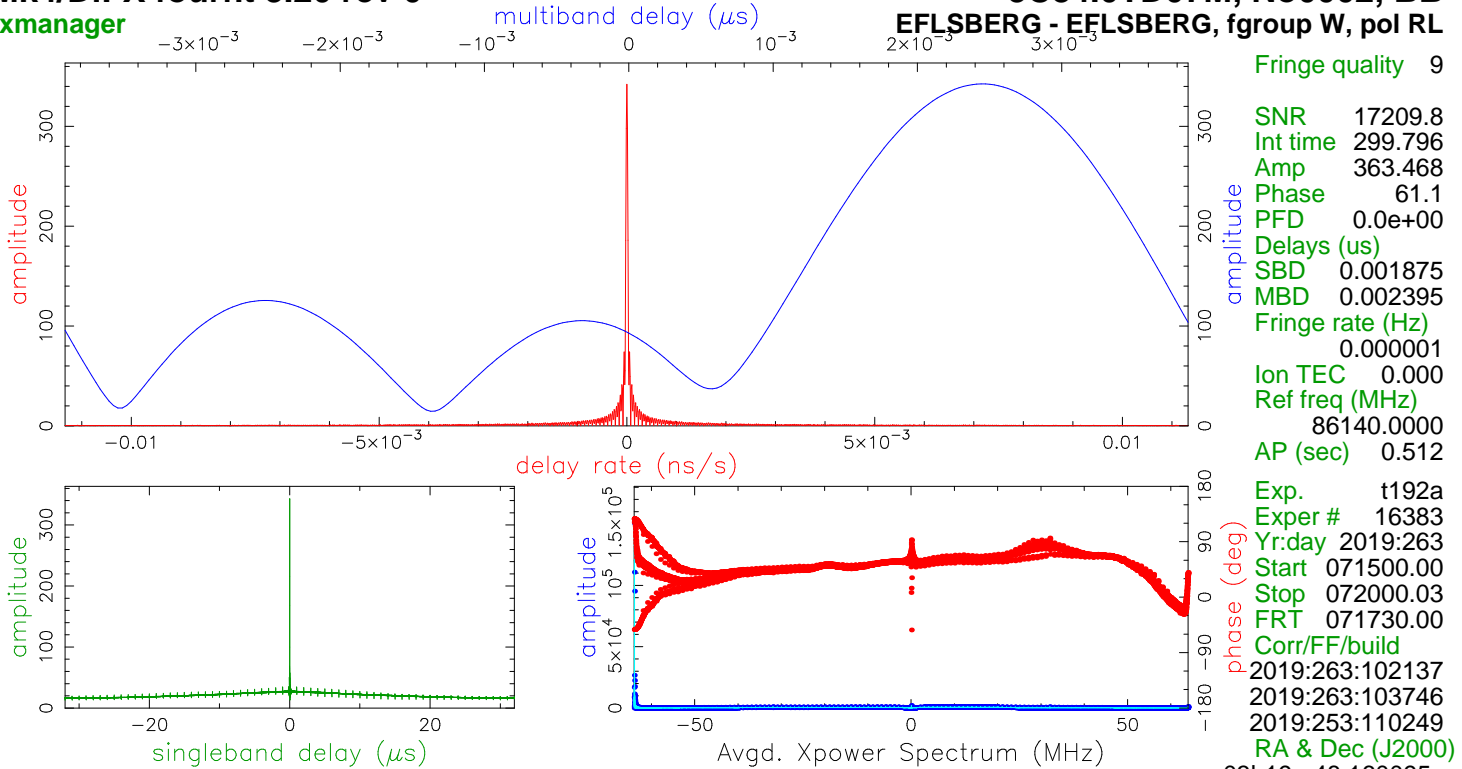
Amp. and Phase vs. time for each freq., 42 segs, 14 APs / seg (7.17 sec / seg.), time ticks 10 sec



	86076.00	86204.00	86332.00	86460.00	Freq (MHz)	All
	-62.4	-55.9	-52.2	-72.9	Phase	-61.1
	399.9	310.9	326.4	343.5	Ampl.	345.2
	8192.2	8192.3	8192.3	8192.9	Sbd box	8192.5
U/L	586/586	586/586	586/586	586/586	APs used	
B	1000	1000	1000	1000	PC freqs	
B	1000	1000	1000	1000	PC freqs	
B:B	0:0	0:0	0:0	0:0	PC phase	
B:B	0:0	0:0	0:0	0:0	Mani PC	
B	1000	1000	1000	1000	PC amp	
B	1000	1000	1000	1000		
B	W00UL,W00LL	W01UL,W01LL	W02UL,W02LL	W03UL,W03LL	Chan ids	
B	W00UR,W00LR	W01UR,W01LR	W02UR,W02LR	W03UR,W03LR	Tracks	
					Chan ids	
					Tracks	

Group delay (usec)(sbd)	-2.39503125000E-03	Apriori delay (usec)	0.00000000000E+00	Resid mbdelay (usec)	-2.39503E-03	+/-	6.5E-08
Sband delay (usec)	-1.87475000000E-03	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	-1.87475E-03	+/-	2.5E-07
Phase delay (usec)	-1.97172516691E-06	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	-1.97173E-06	+/-	1.1E-10
Delay rate (us/s)	-1.55882676309E-11	Apriori rate (us/s)	0.00000000000E+00	Resid rate (us/s)	-1.55883E-11	+/-	1.2E-12
Total phase (deg)	-61.1	Apriori accel (us/s/s)	0.00000000000E+00	Resid phase (deg)	-61.1	+/-	0.0

ph/seg (deg)	0.0	Theor.	Amplitude	363.468 +/- 0.021	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5
amp/seg (%)	5.9	0.0	Search (2048X16)	0.000	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-32.000 32.000
ph/frq (deg)	11.1	0.0	Inc. seg. avg.	342.017	Bits/sample:	2x2	SampCntNorm:	enabled
amp/frq (%)	10.5	0.0	Inc. frq. avg.	345.163	Sample rate(MSamp/s):	128	mb window (us)	-0.004 0.004
					Data rate(Mb/s):	2048	dr window (ns/s)	-0.011 0.011
							ion window (TEC)	0.00 0.00



Fringe quality 9

SNR 17209.8

Int time 299.796

Amp 363.468

Phase 61.1

PFD 0.0e+00

Delays (us)

SBD 0.001875

MBD 0.002395

Fringe rate (Hz) 0.000001

Ion TEC 0.000

Ref freq (MHz) 86140.0000

AP (sec) 0.512

Exp. t192a

Exper # 16383

Yr:day 2019:263

Start 071500.00

Stop 072000.03

FRT 071730.00

Corr/FF/build

2019:263:102137

2019:263:103746

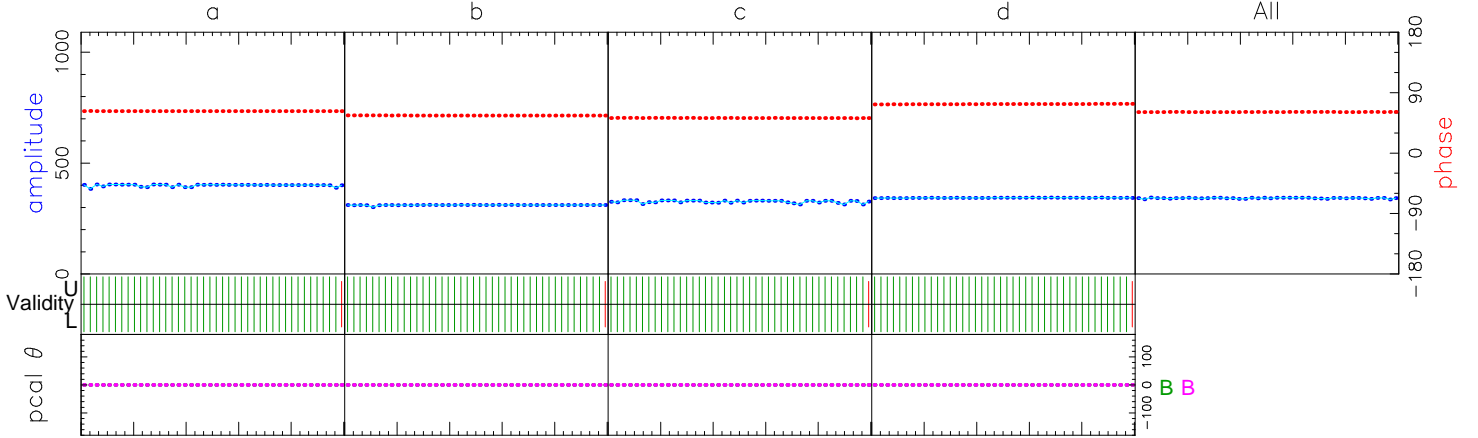
2019:253:110249

RA & Dec (J2000)

03h19m48.160095s

+41°30'42.104042"

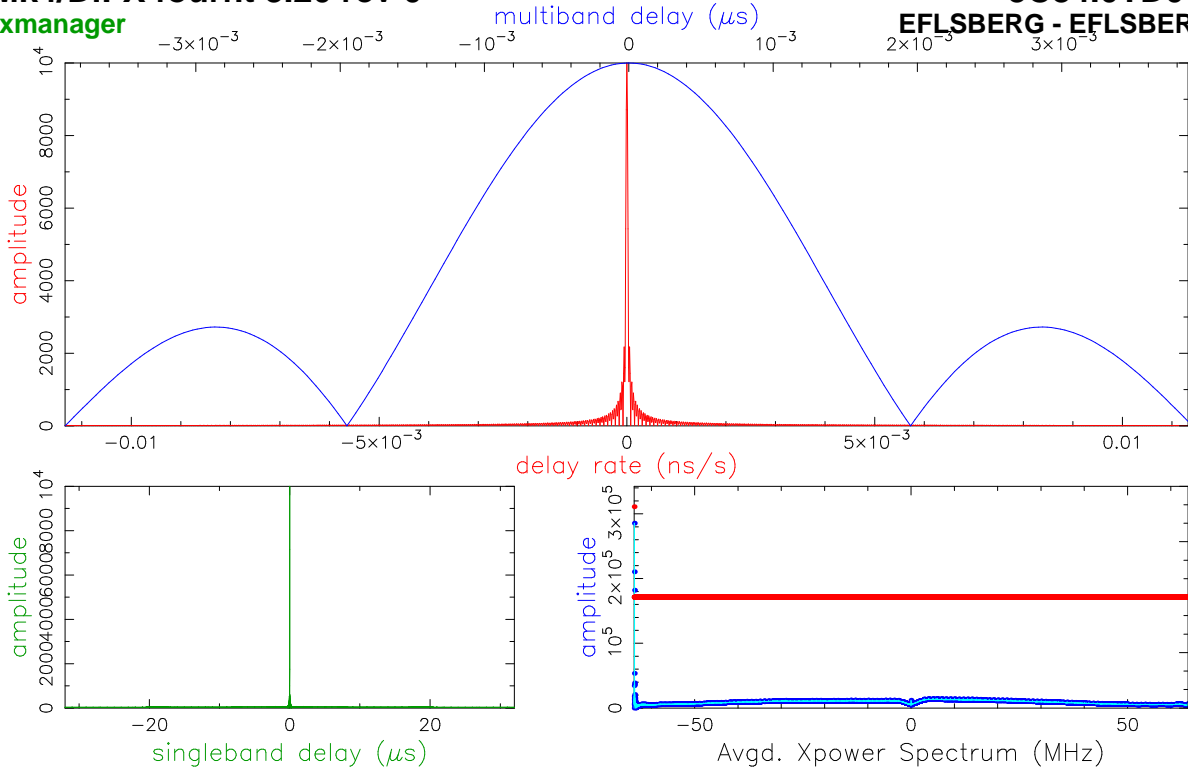
Amp. and Phase vs. time for each freq., 42 segs, 14 APs / seg (7.17 sec / seg.), time ticks 10 sec



	86076.00	86204.00	86332.00	86460.00	Freq (MHz)	All
	62.4	55.9	52.2	72.9	Phase	61.1
	399.9	310.9	326.4	343.5	Ampl.	345.2
	8193.8	8193.7	8193.7	8193.1	Sbd box	8193.5
U/L	586/586	586/586	586/586	586/586	APs used	
B	1000	1000	1000	1000	PC freqs	
B	1000	1000	1000	1000	PC freqs	
B:B	0:0	0:0	0:0	0:0	PC phase	
B:B	0:0	0:0	0:0	0:0	Mani PC	
B	1000	1000	1000	1000	PC amp	
B	1000	1000	1000	1000		
B	W00UR,W00LR	W01UR,W01LR	W02UR,W02LR	W03UR,W03LR	Chan ids	
B	W00UL,W00LL	W01UL,W01LL	W02UL,W02LL	W03UL,W03LL	Tracks	
					Chan ids	
					Tracks	

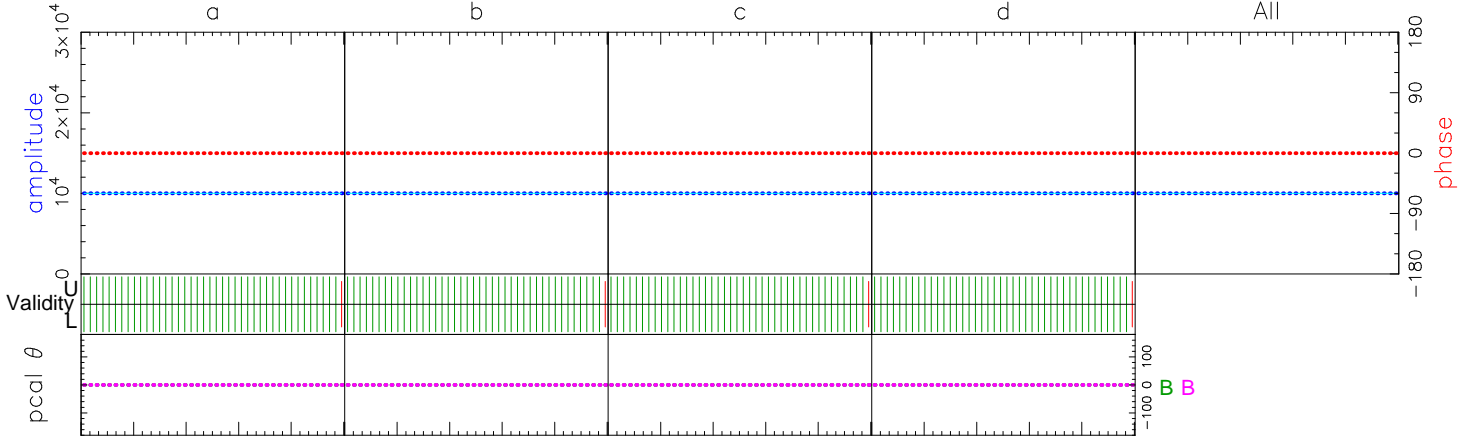
Group delay (usec)(sbd)	2.39503125000E-03	Apriori delay (usec)	0.00000000000E+00	Resid mbdelay (usec)	2.39503E-03	+/- 6.5E-08
Sband delay (usec)	1.87475000000E-03	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	1.87475E-03	+/- 2.5E-07
Phase delay (usec)	1.97172516689E-06	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	1.97173E-06	+/- 1.1E-10
Delay rate (us/s)	1.55882676309E-11	Apriori rate (us/s)	0.00000000000E+00	Resid rate (us/s)	1.55883E-11	+/- 1.2E-12
Total phase (deg)	61.1	Apriori accel (us/s/s)	0.00000000000E+00	Resid phase (deg)	61.1	+/- 0.0

ph/seg (deg)	0.0	Theor.	0.0	Amplitude	363.468 +/- 0.021	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5
amp/seg (%)	5.9	0.0	Search (2048X16)	342.455	0.000	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us) -32.000 32.000
ph/frq (deg)	11.1	0.0	Inc. seg. avg.	342.017	345.163	Bits/sample: 2x2	SampCntNorm: enabled
amp/frq (%)	10.5	0.0	Inc. frq. avg.	345.163		Sample rate(MSamp/s): 128	mb window (us) -0.004 0.004
						Data rate(Mb/s): 2048	dr window (ns/s) -0.011 0.011
						nlags: 8192 t_cohere infinite	ion window (TEC) 0.00 0.00



Fringe quality 9
 SNR 473489.6
 Int time 299.796
 Amp 10000.000
 Phase 0.0
 PFD 0.0e+00
 Delays (us)
 SBD 0.000000
 MBD 0.000000
 Fringe rate (Hz)
 0.000000
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512
 Exp. t192a
 Exper # 16383
 Yr:day 2019:263
 Start 071500.00
 Stop 072000.03
 FRT 071730.00
 Corr/FF/build
 2019:263:102137
 2019:263:103538
 2019:263:110249
 RA & Dec (J2000)
 03h19m48.160095s
 +41°30'42.104042"

Amp. and Phase vs. time for each freq., 42 segs, 14 APs / seg (7.17 sec / seg.), time ticks 10 sec

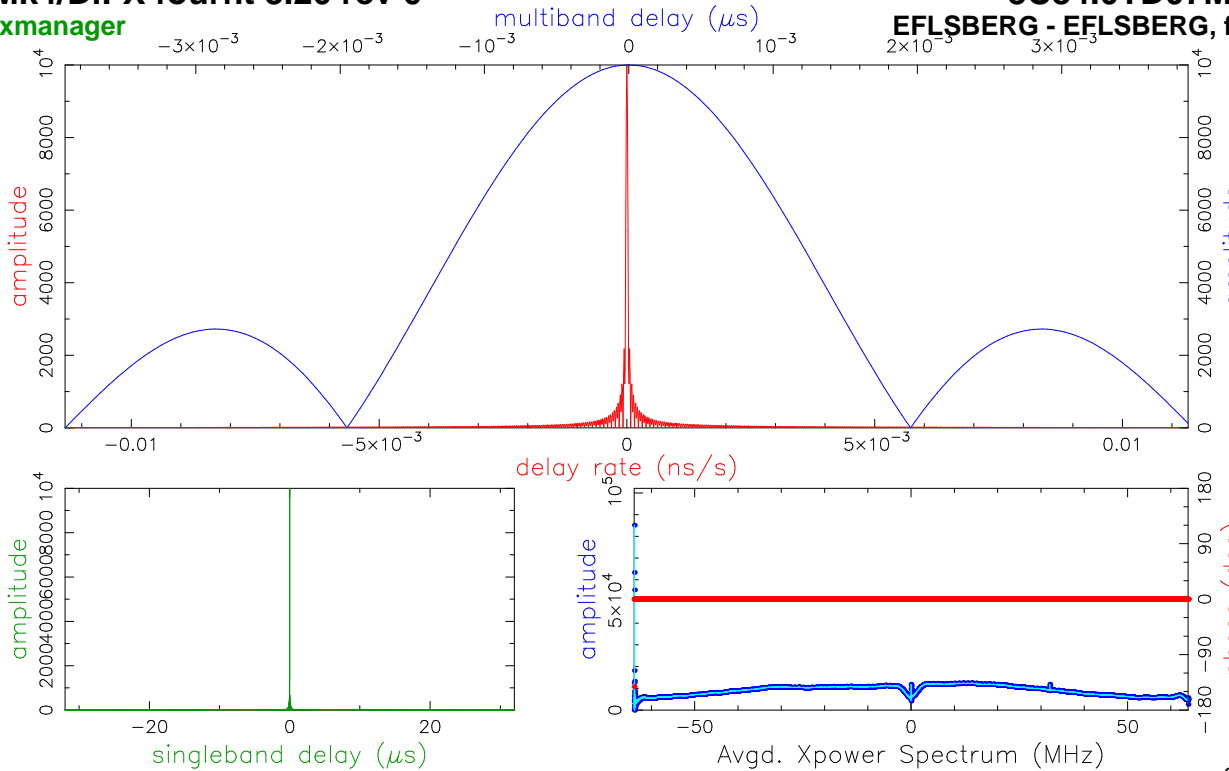


	86076.00	86204.00	86332.00	86460.00	Freq (MHz)	All
U/L	586/586	586/586	586/586	586/586		
B	1000	1000	1000	1000	APs used	
B	1000	1000	1000	1000	PC freqs	
B:B	0:0	0:0	0:0	0:0	PC phase	
B:B	0:0	0:0	0:0	0:0	Mani PC	
B	1000	1000	1000	1000	PC amp	
B	1000	1000	1000	1000		
B	W00UL,W00LL	W01UL,W01LL	W02UL,W02LL	W03UL,W03LL	Chan ids	
B	W00UL,W00LL	W01UL,W01LL	W02UL,W02LL	W03UL,W03LL	Tracks	
B	W00UL,W00LL	W01UL,W01LL	W02UL,W02LL	W03UL,W03LL	Chan ids	
B	W00UL,W00LL	W01UL,W01LL	W02UL,W02LL	W03UL,W03LL	Tracks	

Group delay (usec)(sbd)	0.0000000000E+00	Apriori delay (usec)	0.0000000000E+00	Resid mbdelay (usec)	0.00000E+00	+/-	2.3E-09
Sband delay (usec)	0.0000000000E+00	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	0.00000E+00	+/-	9.1E-09
Phase delay (usec)	0.0000000000E+00	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	0.00000E+00	+/-	3.9E-12
Delay rate (us/s)	0.0000000000E+00	Apriori rate (us/s)	0.0000000000E+00	Resid rate (us/s)	0.00000E+00	+/-	4.5E-14
Total phase (deg)	0.0	Apriori accel (us/s/s)	0.0000000000E+00	Resid phase (deg)	0.0	+/-	0.0

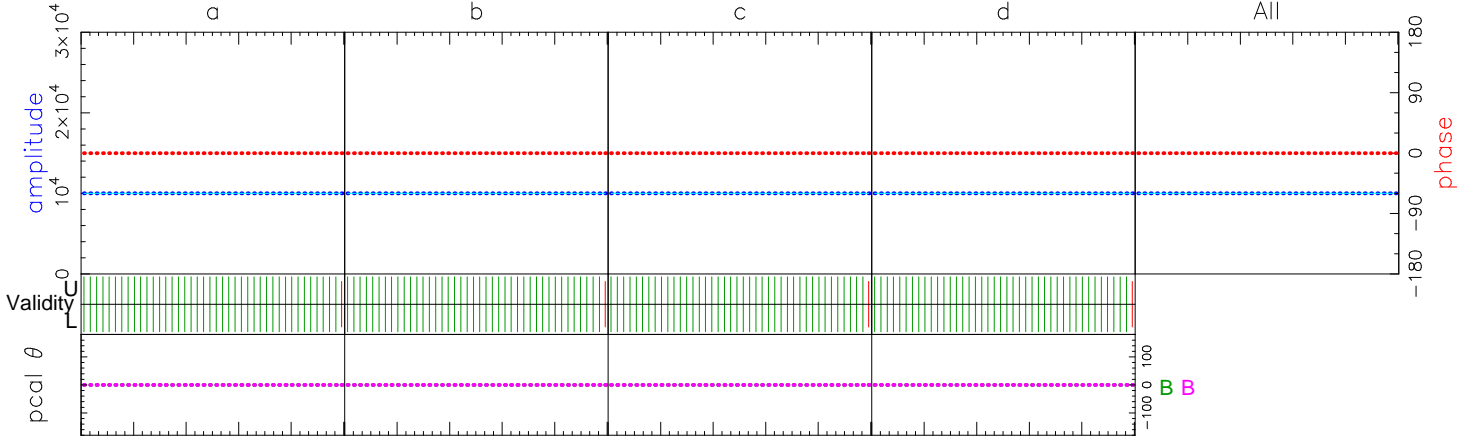
ph/seg (deg)	0.0	RMS	Theor.	Amplitude	10000.000 +/- 0.021	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5
amp/seg (%)	0.0	0.0	0.0	Search (2048X16)	10000.000	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-32.000 32.000
ph/frq (deg)	0.0	0.0	0.0	Interp.	0.000	Bits/sample:	2x2	SampCntNorm:	enabled
amp/frq (%)	0.0	0.0	0.0	Inc. seg. avg.	10000.000	Sample rate(MSamp/s):	128	mb window (us)	-0.004 0.004
				Inc. frq. avg.	10000.000	Data rate(Mb/s):	2048	dr window (ns/s)	-0.011 0.011
						nlags:	8192 t_cohere infinite	ion window (TEC)	0.00 0.00

B: az 284.1 el 46.1 pa 55.5 B: az 284.1 el 46.1 pa 55.5 u,v (fr/asec) 0.000 0.000 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/t192a/FRINGE/1234/No0002/BB..0TD07M Output file: /Exps/t192a/FRINGE/1234/No0002/BB.W.2.0TD07M



Fringe quality 9
 SNR 473489.6
 Int time 299.796
 Amp 10000.000
 Phase 0.0
 PFD 0.0e+00
 Delays (us)
 SBD 0.000000
 MBD 0.000000
 Fringe rate (Hz)
 0.000000
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512
 Exp. t192a
 Exper # 16383
 Yr:day 2019:263
 Start 071500.00
 Stop 072000.03
 FRT 071730.00
 Corr/FF/build
 2019:263:102137
 2019:263:103620
 2019:263:110249
 RA & Dec (J2000)
 03h19m48.160095s
 +41°30'42.104042"

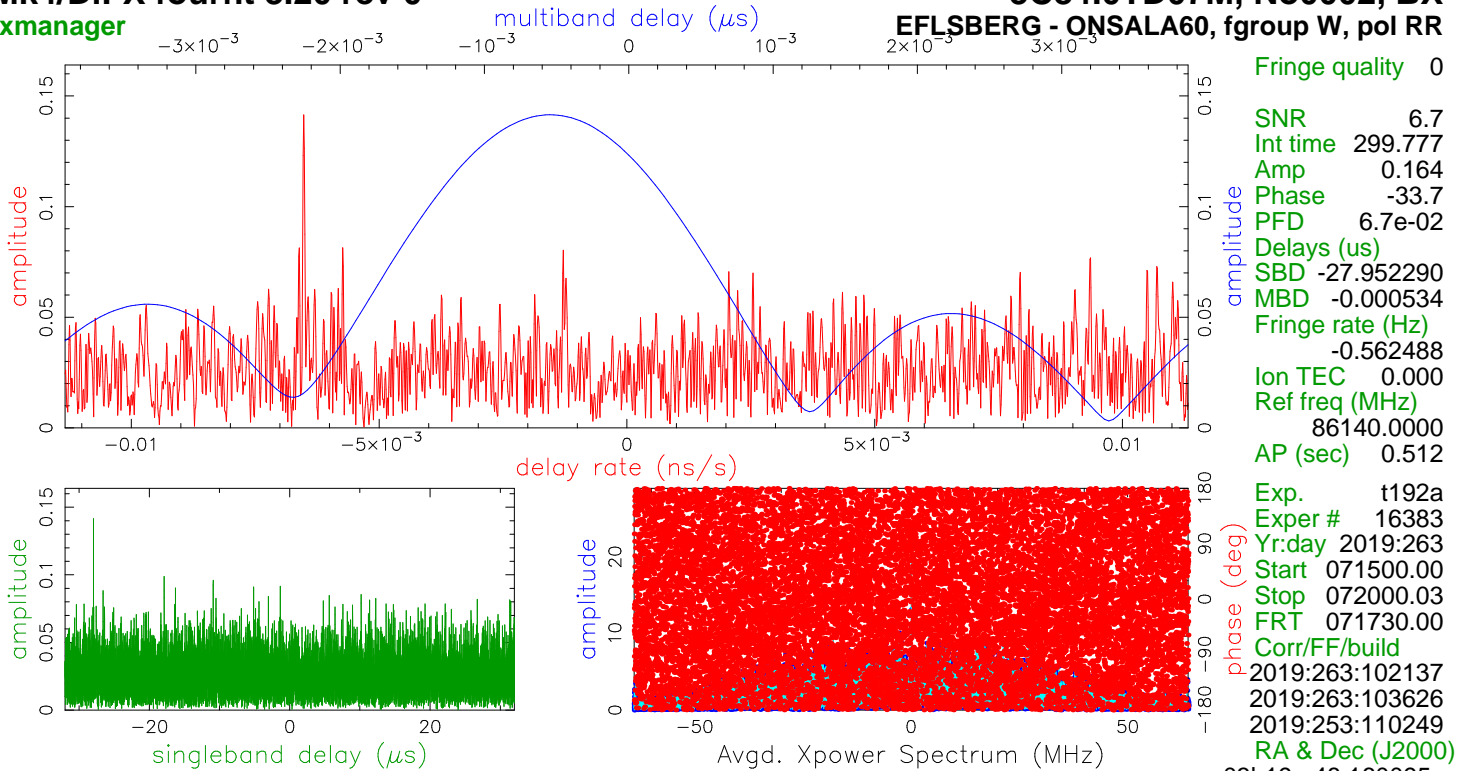
Amp. and Phase vs. time for each freq., 42 segs, 14 APs / seg (7.17 sec / seg.), time ticks 10 sec



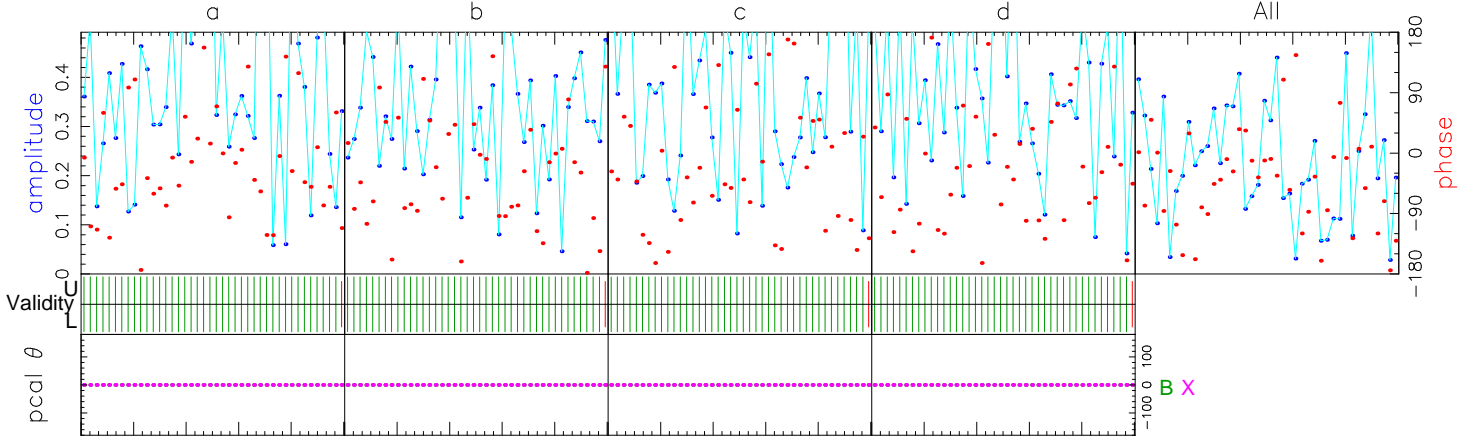
	86076.00	86204.00	86332.00	86460.00	Freq (MHz)	All
U/L	586/586	586/586	586/586	586/586		
B	1000	1000	1000	1000	APs used	
B	1000	1000	1000	1000	PC freqs	
B:B	0:0	0:0	0:0	0:0	PC phase	
B:B	0:0	0:0	0:0	0:0	Mani PC	
B	1000	1000	1000	1000	PC amp	
B	1000	1000	1000	1000		
B	W00UR,W00LR	W01UR,W01LR	W02UR,W02LR	W03UR,W03LR	Chan ids	
B	W00UR,W00LR	W01UR,W01LR	W02UR,W02LR	W03UR,W03LR	Tracks	
B	W00UR,W00LR	W01UR,W01LR	W02UR,W02LR	W03UR,W03LR	Chan ids	
B	W00UR,W00LR	W01UR,W01LR	W02UR,W02LR	W03UR,W03LR	Tracks	

Group delay (usec)(sbd)	0.0000000000E+00	Apriori delay (usec)	0.0000000000E+00	Resid mbdelay (usec)	0.00000E+00	+/-	2.3E-09
Sband delay (usec)	0.0000000000E+00	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	0.00000E+00	+/-	9.1E-09
Phase delay (usec)	0.0000000000E+00	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	0.00000E+00	+/-	3.9E-12
Delay rate (us/s)	0.0000000000E+00	Apriori rate (us/s)	0.0000000000E+00	Resid rate (us/s)	0.00000E+00	+/-	4.5E-14
Total phase (deg)	0.0	Apriori accel (us/s/s)	0.0000000000E+00	Resid phase (deg)	0.0	+/-	0.0

ph/seg (deg)	0.0	Theor.	0.0	Amplitude	10000.000 +/- 0.021	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5
amp/seg (%)	0.0	0.0	0.0	Search (2048X16)	10000.000	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-32.000 32.000
ph/frq (deg)	0.0	0.0	0.0	Interp.	0.000	Bits/sample:	2x2	SampCntNorm:	enabled
amp/frq (%)	0.0	0.0	0.0	Inc. seg. avg.	10000.000	Sample rate(MSamp/s):	128	mb window (us)	-0.004 0.004
				Inc. frq. avg.	10000.000	Data rate(Mb/s):	2048	dr window (ns/s)	-0.011 0.011
						nlags:	8192 t_cohere infinite	ion window (TEC)	0.00 0.00



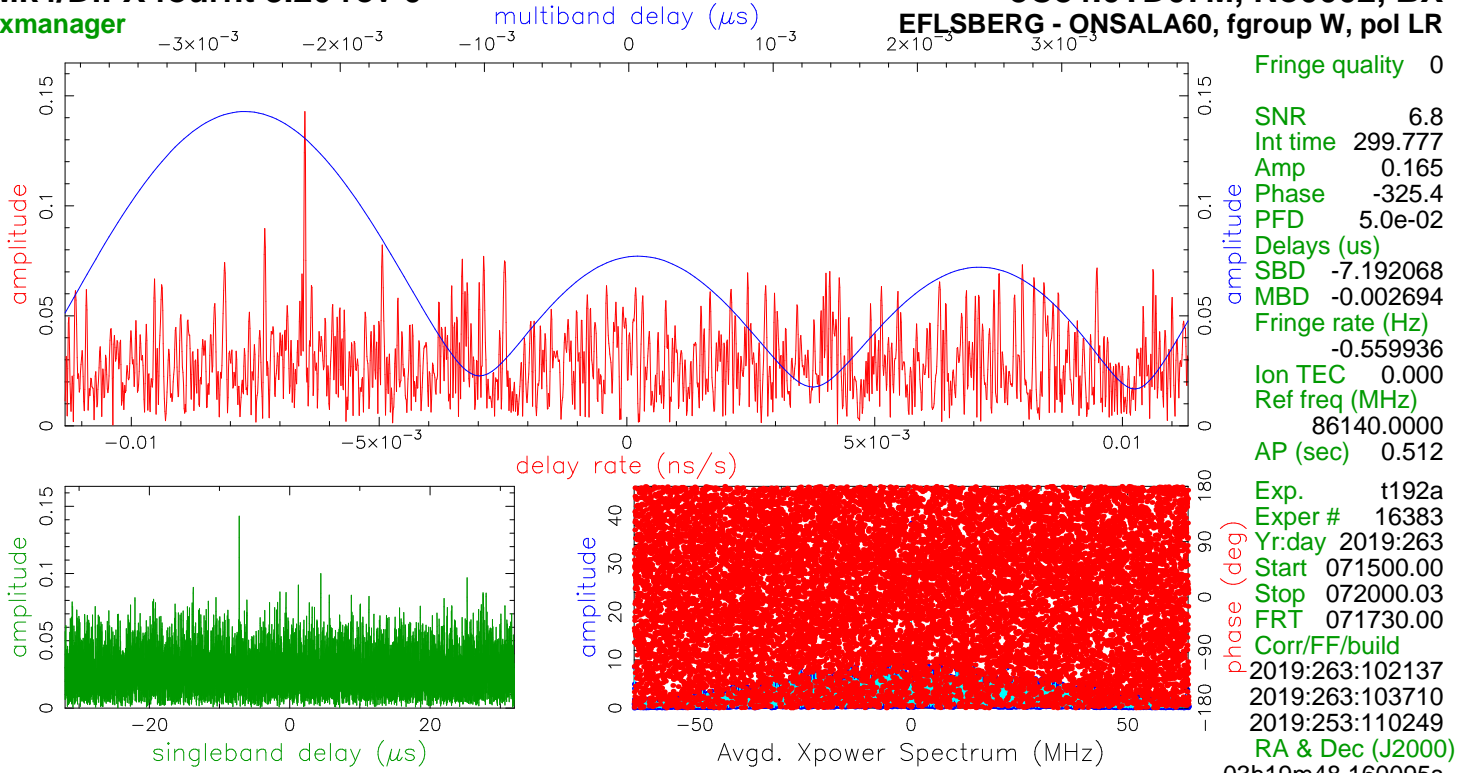
Amp. and Phase vs. time for each freq., 42 segs, 14 APs / seg (7.17 sec / seg.), time ticks 10 sec



86076.00	86204.00	86332.00	86460.00	Freq (MHz)	All
-31.0	-37.4	-34.5	-33.1	Phase	-33.7
0.2	0.2	0.1	0.2	Ampl.	0.2
15702.5	3493.2	7675.4	11791.1	Sbd box	1037.2
U/L 586/586	586/586	586/586	586/586	APs used	
B 1000	1000	1000	1000	PC freqs	
X 1000	1000	1000	1000	PC freqs	
B:X 0:0	0:0	0:0	0:0	PC phase	
B:X 0:0	0:0	0:0	0:0	Manl PC	
B 1000	1000	1000	1000	PC amp	
X 1000	1000	1000	1000		
B W00UR,W00LR	W01UR,W01LR	W02UR,W02LR	W03UR,W03LR	Chan ids	
X W00UR,W00LR	W01UR,W01LR	W02UR,W02LR	W03UR,W03LR	Tracks	
				Chan ids	
				Tracks	

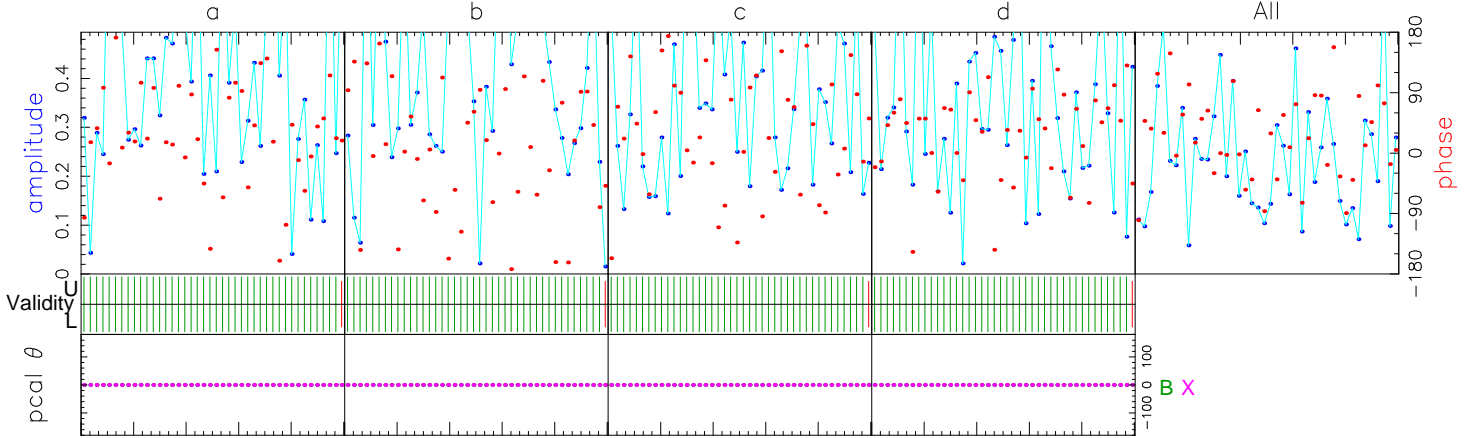
Group delay (usec)(sbd)	3.25228709455E+02	Apriori delay (usec)	3.53182368148E+02	Resid mbdelay (usec)	-5.33693E-04	+/-	1.6E-04
Sband delay (usec)	3.25230078648E+02	Apriori clock (usec)	-5.1658649E+00	Resid sbdelay (usec)	-2.79523E+01	+/-	6.4E-04
Phase delay (usec)	3.53182367062E+02	Apriori clockrate (us/s)	-8.2399999E-07	Resid phdelay (usec)	-1.08562E-06	+/-	2.7E-07
Delay rate (us/s)	-8.06635428818E-02	Apriori rate (us/s)	-8.06570129572E-02	Resid rate (us/s)	-6.52992E-06	+/-	3.2E-09
Total phase (deg)	-324.4	Apriori accel (us/s/s)	-7.19561981167E-06	Resid phase (deg)	-33.7	+/-	8.5

ph/seg (deg)	RMS 71.6	Theor. 55.0	Amplitude 0.164 +/- 0.024	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5
amp/seg (%)	106.4	96.0	Search (2048X16) 0.140	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us) -32.000 32.000
ph/frq (deg)	3.3	17.0	Interp. 0.000	Bits/sample: 2x2	SampCntNorm: enabled
amp/frq (%)	18.2	29.6	Inc. seg. avg. 0.183	Sample rate(MSamp/s): 128	mb window (us) -0.004 0.004
			Inc. frq. avg. 0.156	Data rate(Mb/s): 2048	dr window (ns/s) -0.011 0.011
				nlags: 8192 t_cohere infinite	ion window (TEC) 0.00 0.00



Fringe quality 0
SNR 6.8
Int time 299.777
Amp 0.165
Phase -325.4
PFD 5.0e-02
Delays (us)
SBD -7.192068
MBD -0.002694
Fringe rate (Hz)
-0.559936
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512
Exp. t192a
Exper # 16383
Yr:day 2019:263
Start 071500.00
Stop 072000.03
FRT 071730.00
Corr/FF/build
2019:263:102137
2019:263:103710
2019:253:110249
RA & Dec (J2000)
03h19m48.160095s
+41°30'42.104042"

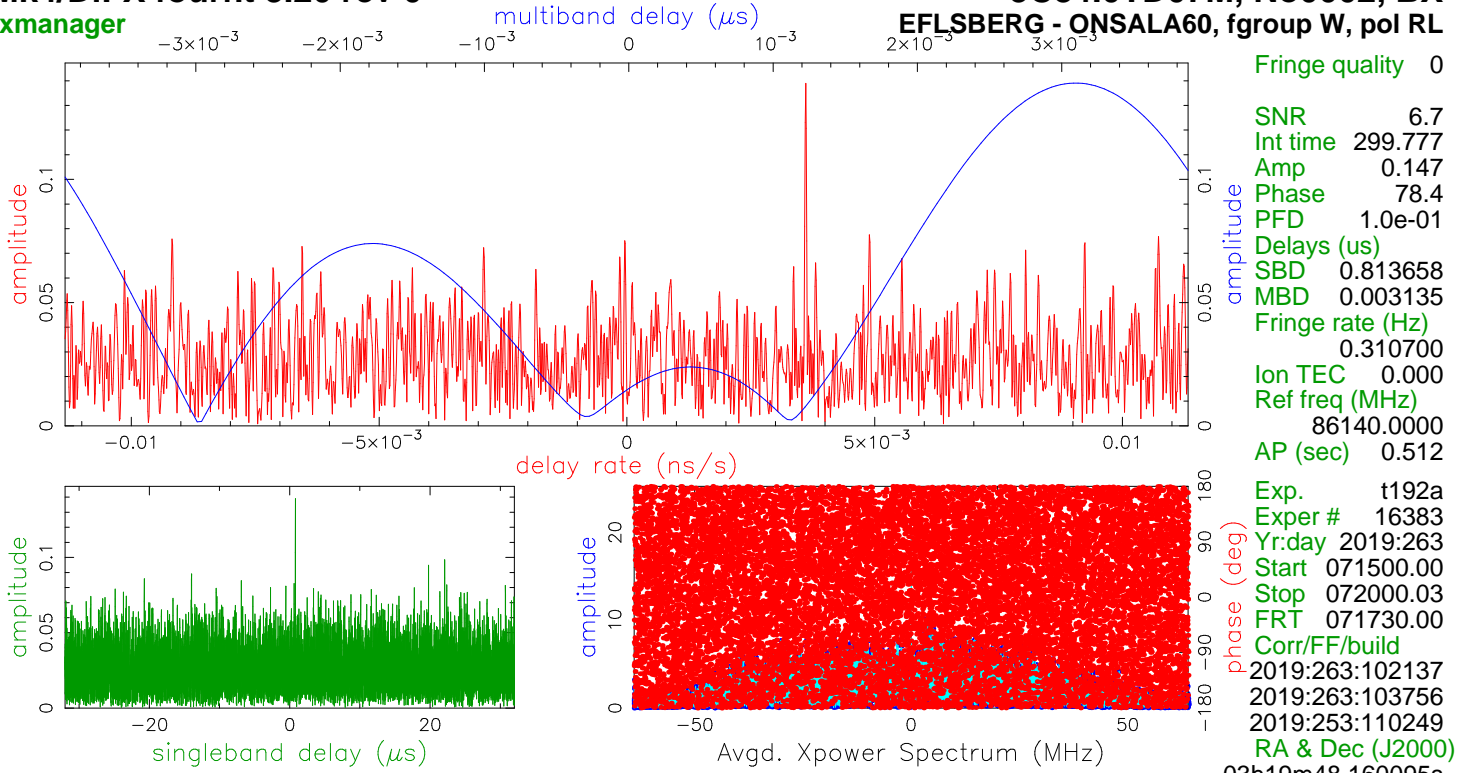
Amp. and Phase vs. time for each freq., 42 segs, 14 APs / seg (7.17 sec / seg.), time ticks 10 sec



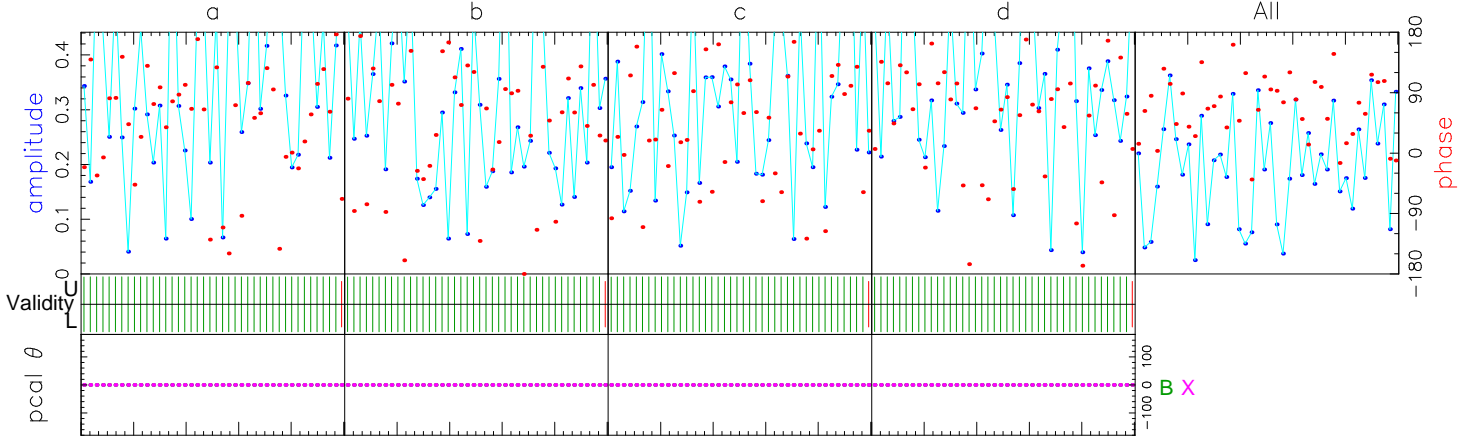
	86076.00	86204.00	86332.00	86460.00	Freq (MHz)	All
	33.2	33.8	28.9	38.1	Phase	34.6
	0.2	0.1	0.1	0.3	Ampl.	0.2
	818.7	9789.3	232.8	6352.4	Sbd box	6351.8
U/L	586/586	586/586	586/586	586/586	APs used	
B	1000	1000	1000	1000	PC freqs	
X	1000	1000	1000	1000	PC freqs	
B:X	0:0	0:0	0:0	0:0	PC phase	
B:X	0:0	0:0	0:0	0:0	Manl PC	
B	1000	1000	1000	1000	PC amp	
X	1000	1000	1000	1000		
B	W00UL,W00LL	W01UL,W01LL	W02UL,W02LL	W03UL,W03LL	Chan ids	
X	W00UR,W00LR	W01UR,W01LR	W02UR,W02LR	W03UR,W03LR	Tracks	
					Chan ids	
					Tracks	

Group delay (usec)(sbd)	3.45992174116E+02	Apriori delay (usec)	3.53182368148E+02	Resid mbdelay (usec)	-2.69403E-03	+/- 1.6E-04
Sband delay (usec)	3.45990300648E+02	Apriori clock (usec)	-5.1658649E+00	Resid sbdelay (usec)	-7.19207E+00	+/- 6.3E-04
Phase delay (usec)	3.53182369263E+02	Apriori clockrate (us/s)	-8.2399999E-07	Resid phdelay (usec)	1.11504E-06	+/- 2.7E-07
Delay rate (us/s)	-8.06635132627E-02	Apriori rate (us/s)	-8.06570129572E-02	Resid rate (us/s)	-6.50031E-06	+/- 3.1E-09
Total phase (deg)	-256.2	Apriori accel (us/s/s)	-7.19561981167E-06	Resid phase (deg)	-325.4	+/- 8.4

ph/seg (deg)	63.7	Theor.	54.7	Amplitude	0.165 +/- 0.024	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5
amp/seg (%)	110.9	Search (2048X16)	0.138	Search	0.000	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us) -32.000 32.000
ph/frq (deg)	4.9	Interp.	0.000	Inc. seg. avg.	0.190	Bits/sample: 2x2	SampCntNorm: enabled
amp/frq (%)	40.2	Inc. frq. avg.	0.158	Inc. frq. avg.	0.158	Sample rate(MSamp/s): 128	mb window (us) -0.004 0.004
						Data rate(Mb/s): 2048	dr window (ns/s) -0.011 0.011
						nlags: 8192 t_cohere infinite	ion window (TEC) 0.00 0.00

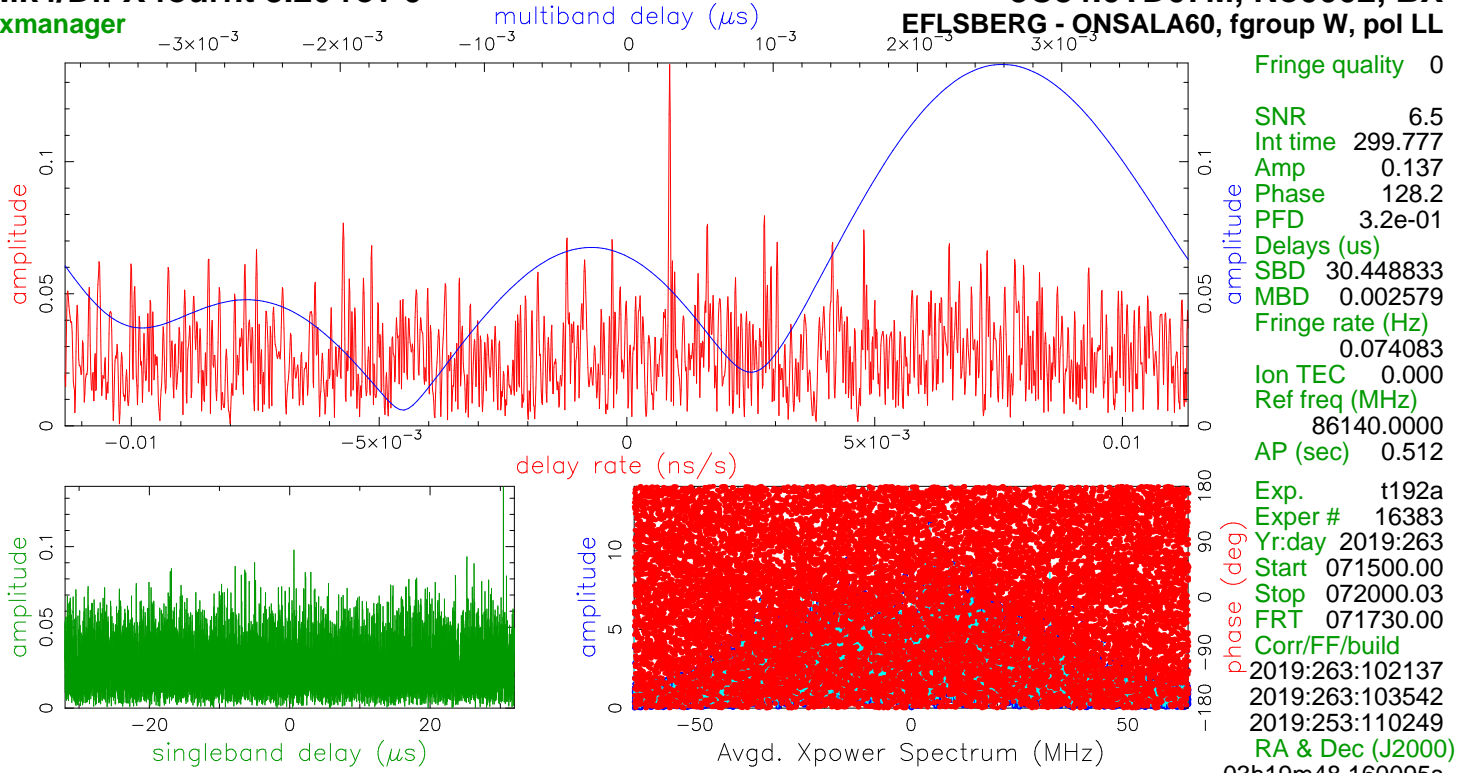


Amp. and Phase vs. time for each freq., 42 segs, 14 APs / seg (7.17 sec / seg.), time ticks 10 sec

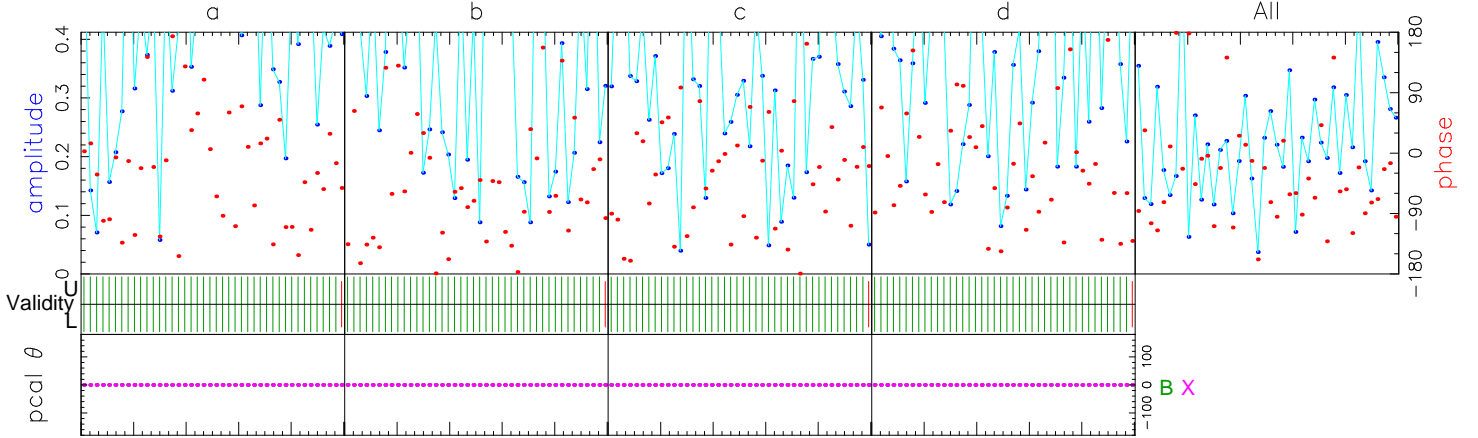


86076.00	86204.00	86332.00	86460.00	86600.00	86730.00	86858.00
75.0	100.3	53.8	82.5	100.0	100.0	100.0
0.2	0.1	0.1	0.2	0.2	0.2	0.2
6751.3	7316.9	8013.0	1241.0	1241.0	1241.0	1241.0
U/L 586/586	586/586	586/586	586/586	586/586	586/586	586/586
B 1000	1000	1000	1000	1000	1000	1000
X 1000	1000	1000	1000	1000	1000	1000
B:X 0:0	0:0	0:0	0:0	0:0	0:0	0:0
B:X 0:0	0:0	0:0	0:0	0:0	0:0	0:0
B 1000	1000	1000	1000	1000	1000	1000
X 1000	1000	1000	1000	1000	1000	1000
B W00UR,W00LR	W01UR,W01LR	W02UR,W02LR	W03UR,W03LR	W04UR,W04LR	W05UR,W05LR	W06UR,W06LR
X W00UL,W00LL	W01UL,W01LL	W02UL,W02LL	W03UL,W03LL	W04UL,W04LL	W05UL,W05LL	W06UL,W06LL
Group delay (usec)(sbd)	3.53998002825E+02	Apriori delay (usec)	3.53182368148E+02	Resid mbdelay (usec)	3.13468E-03	+/- 1.7E-04
Sband delay (usec)	3.53996025898E+02	Apriori clock (usec)	-5.1658649E+00	Resid sbdelay (usec)	8.13658E-01	+/- 6.4E-04
Phase delay (usec)	3.53182370675E+02	Apriori clockrate (us/s)	-8.2399999E-07	Resid phdelay (usec)	2.52775E-06	+/- 2.8E-07
Delay rate (us/s)	-8.06534060341E-02	Apriori rate (us/s)	-8.06570129572E-02	Resid rate (us/s)	3.60692E-06	+/- 3.2E-09
Total phase (deg)	147.6	Apriori accel (us/s/s)	-7.19561981167E-06	Resid phase (deg)	78.4	+/- 8.6

ph/seg (deg) 47.7 55.6 Theor. Amplitude 0.147 +/- 0.022 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 77.6 97.0 Search (2048X16) 0.137 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -32.000 32.000
 ph/frq (deg) 23.6 17.1 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.004 0.004
 amp/frq (%) 7.8 29.9 Inc. seg. avg. 0.140 Sample rate(MSamp/s): 128 Data rate(Mb/s): 2048 nlags: 8192 t_cohere infinite dr window (ns/s) -0.011 0.011
 B: az 284.1 el 46.1 pa 55.5 X: az 280.7 el 44.7 pa 44.9 u,v (fr/asec) 607.805 -974.604 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/t192a/FRINGE/1234/No0002/BX..0TD07M Output file: /Exps/t192a/FRINGE/1234/No0002/BX.W.24.0TD07M

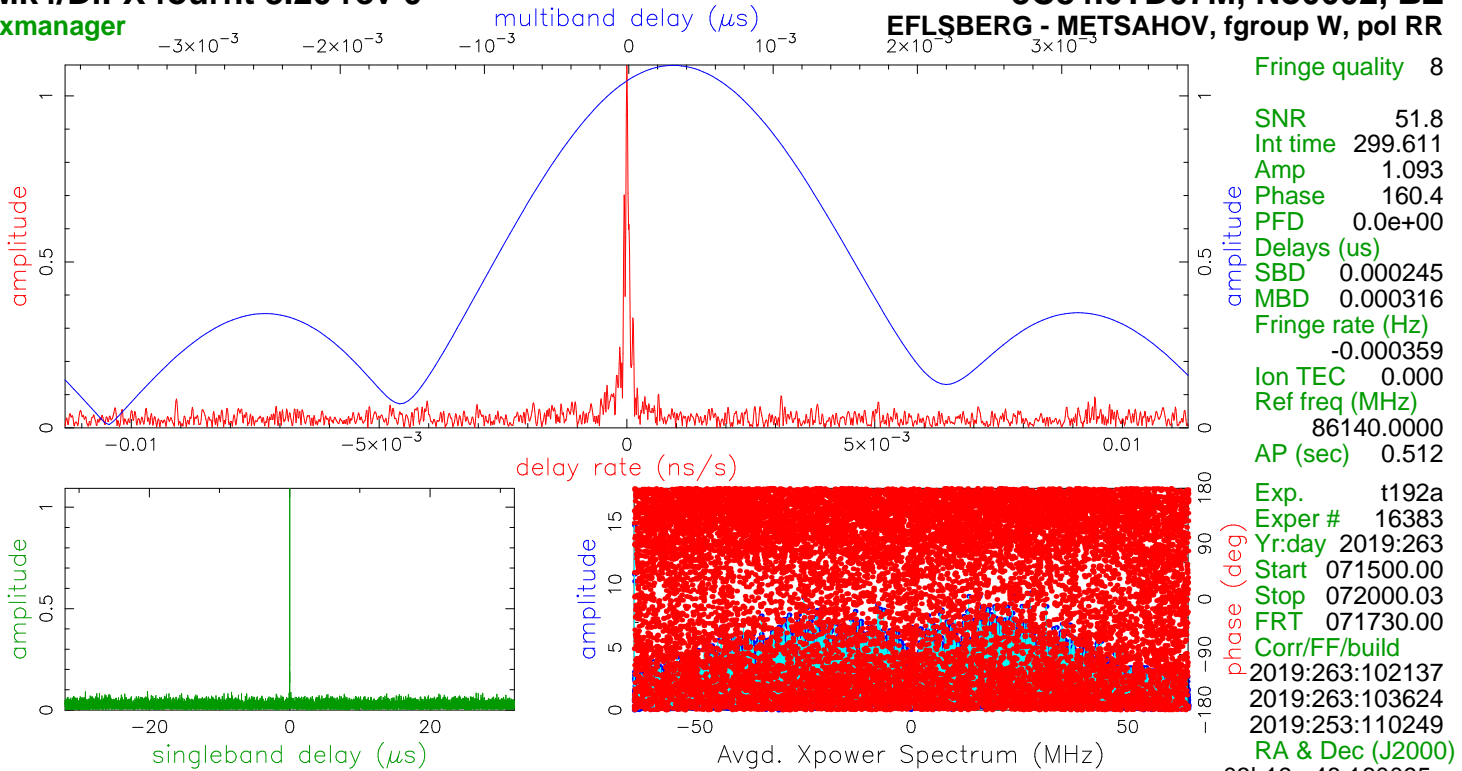


Amp. and Phase vs. time for each freq., 42 segs, 14 APs / seg (7.17 sec / seg.), time ticks 10 sec



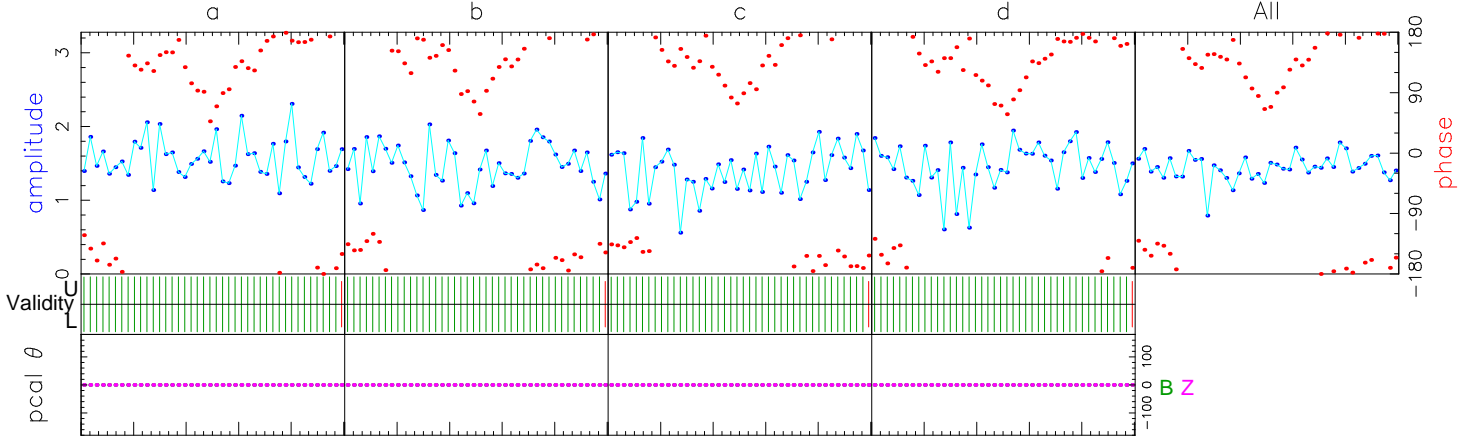
	86076.00	86204.00	86332.00	86460.00	Freq (MHz)	All
	-31.3	-83.7	-58.2	-39.6	Phase	-51.8
	0.1	0.1	0.1	0.2	Ampl.	0.1
	5169.3	12142.1	12653.5	14079.7	Sbd box	15987.9
U/L	586/586	586/586	586/586	586/586	APs used	
B	1000	1000	1000	1000	PC freqs	
X	1000	1000	1000	1000	PC freqs	
B:X	0:0	0:0	0:0	0:0	PC phase	
B:X	0:0	0:0	0:0	0:0	Mani PC	
B	1000	1000	1000	1000	PC amp	
X	1000	1000	1000	1000		
B	W00UL,W00LL	W01UL,W01LL	W02UL,W02LL	W03UL,W03LL	Chan ids	
X	W00UL,W00LL	W01UL,W01LL	W02UL,W02LL	W03UL,W03LL	Tracks	
					Chan ids	
					Tracks	
Group delay (usec)(sbd)	3.83630260116E+02	Apriori delay (usec)	3.53182368148E+02	Resid mbdelay (usec)	2.57947E-03	+/- 1.7E-04
Sband delay (usec)	3.83631202398E+02	Apriori clock (usec)	-5.1658649E+00	Resid sbdelay (usec)	3.04488E+01	+/- 6.6E-04
Phase delay (usec)	3.53182366478E+02	Apriori clockrate (us/s)	-8.2399999E-07	Resid phdelay (usec)	-1.67012E-06	+/- 2.8E-07
Delay rate (us/s)	-8.06561529213E-02	Apriori rate (us/s)	-8.06570129572E-02	Resid rate (us/s)	8.60036E-07	+/- 3.3E-09
Total phase (deg)	197.4	Apriori accel (us/s/s)	-7.19561981167E-06	Resid phase (deg)	128.2	+/- 8.8

RMS Theor. Amplitude 0.137 +/- 0.021 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 65.7 57.2 Search (2048X16) 0.134 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -32.000 32.000
 amp/seg (%) 100.1 99.9 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.004 0.004
 ph/frq (deg) 28.5 17.7 Inc. seg. avg. 0.152 Sample rate(MSamp/s): 128 dr window (ns/s) -0.011 0.011
 amp/frq (%) 11.9 30.8 Inc. frq. avg. 0.139 Data rate(Mb/s): 2048 nlags: 8192 t_cohere infinite ion window (TEC) 0.00 0.00
 B: az 284.1 el 46.1 pa 55.5 X: az 280.7 el 44.7 pa 44.9 u,v (fr/asec) 607.805 -974.604 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/t192a/FRINGE/1234/No0002/BX..0TD07M Output file: /Exps/t192a/FRINGE/1234/No0002/BX.W.5.0TD07M



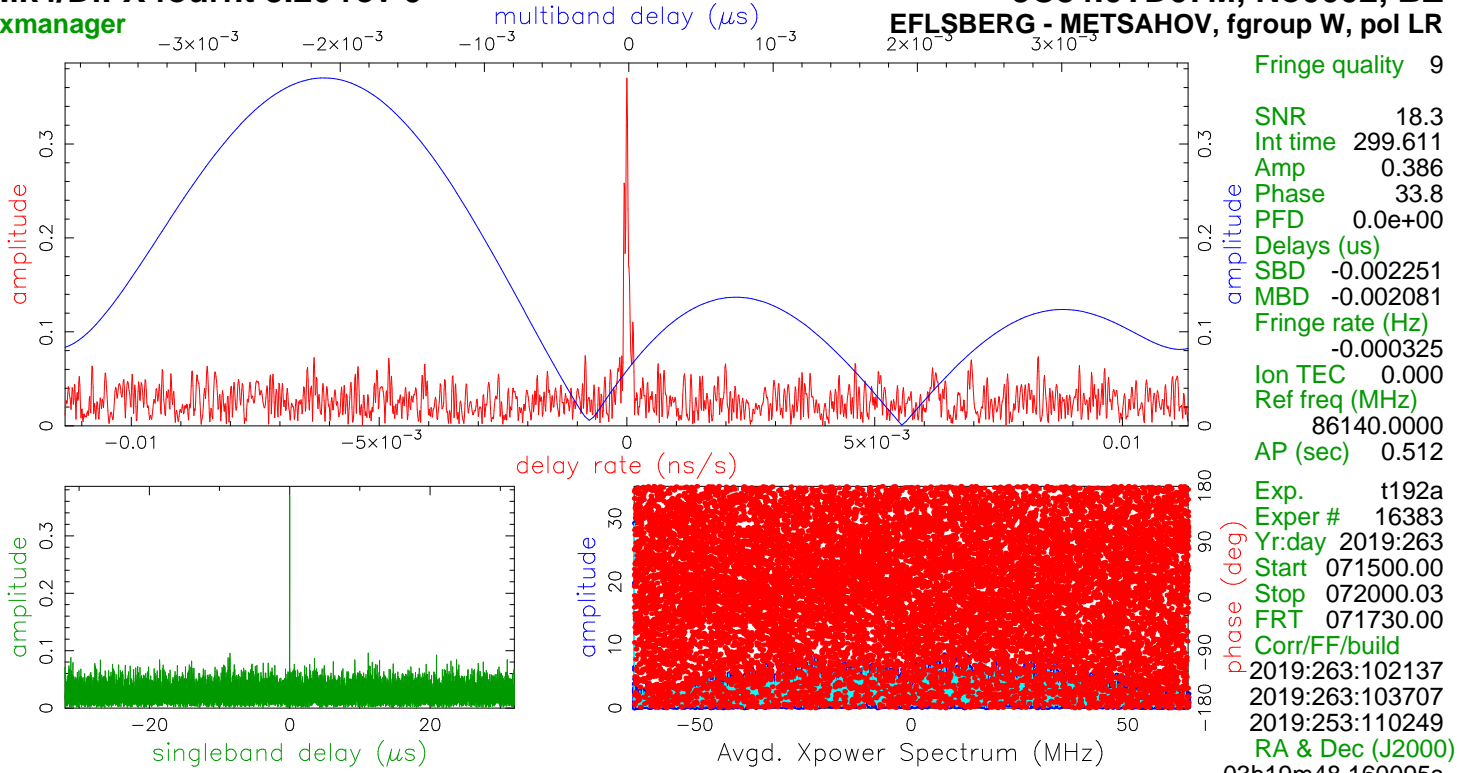
Fringe quality 8
SNR 51.8
Int time 299.611
Amp 1.093
Phase 160.4
PFD 0.0e+00
Delays (us)
SBD 0.000245
MBD 0.000316
Fringe rate (Hz)
-0.000359
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512
Exp. t192a
Exper # 16383
Yr:day 2019:263
Start 071500.00
Stop 072000.03
FRT 071730.00
Corr/FF/build
2019:263:102137
2019:263:103624
2019:263:110249
RA & Dec (J2000)
03h19m48.160095s
+41°30'42.104042"

Amp. and Phase vs. time for each freq., 42 segs, 14 APs / seg (7.17 sec / seg.), time ticks 10 sec

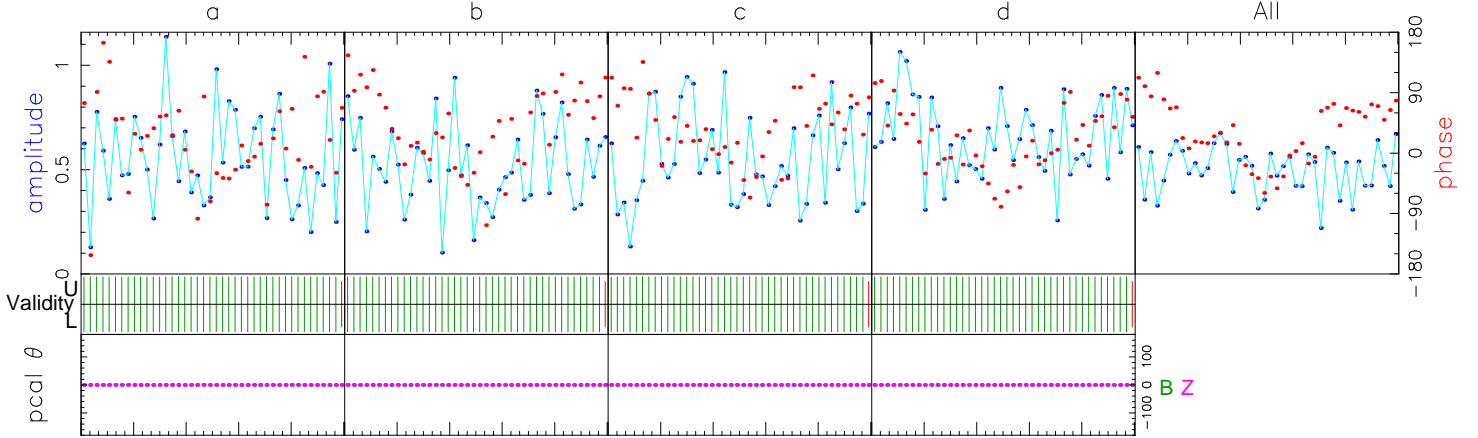


	86076.00	86204.00	86332.00	86460.00	Freq (MHz)	All
U/L	586/586	586/586	586/586	586/586		8193.1
B	1000	1000	1000	1000	APs used	
Z	1000	1000	1000	1000	PC freqs	
B:Z	0:0	0:0	0:0	0:0	PC phase	
B:Z	0:0	0:0	0:0	0:0	Mani PC	
B	1000	1000	1000	1000	PC amp	
Z	1000	1000	1000	1000		
B	W00UR,W00LR	W01UR,W01LR	W02UR,W02LR	W03UR,W03LR	Chan ids	
Z	W00UR,W00LR	W01UR,W01LR	W02UR,W02LR	W03UR,W03LR	Tracks	
					Chan ids	
					Tracks	
Group delay (usec)(sbd)	1.9161213181E+03	Apriori delay (usec)	1.91612100174E+03	Resid mbdelay (usec)	3.16375E-04	+/- 2.1E-05
Sband delay (usec)	1.91612124699E+03	Apriori clock (usec)	1.6902790E+01	Resid sbdelay (usec)	2.45250E-04	+/- 8.3E-05
Phase delay (usec)	1.91612100691E+03	Apriori clockrate (us/s)	-2.0000000E-07	Resid phdelay (usec)	5.17179E-06	+/- 3.6E-08
Delay rate (us/s)	-9.65668924328E-02	Apriori rate (us/s)	-9.65668882700E-02	Resid rate (us/s)	-4.16278E-09	+/- 4.1E-10
Total phase (deg)	192.6	Apriori accel (us/s/s)	-1.73056756013E-05	Resid phase (deg)	160.4	+/- 1.1

RMS Theor. Amplitude 1.093 +/- 0.021 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 42.6 7.2 Search (2048X16) 1.057 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -32.000 32.000
 amp/seg (%) 36.1 12.5 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.004 0.004
 ph/frq (deg) 10.9 2.2 Inc. seg. avg. 1.437 Sample rate(MSamp/s): 128 dr window (ns/s) -0.011 0.011
 amp/frq (%) 5.8 3.9 Inc. frq. avg. 1.101 Data rate(Mb/s): 2048 nlags: 8192 t_cohere infinite ion window (TEC) 0.00 0.00
 B: az 284.1 el 46.1 pa 55.5 Z: az 287.5 el 39.1 pa 39.2 u,v (fr/asec) 715.148 -1849.609 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/t192a/FRINGE/1234/No0002/BZ..0TD07M Output file: /Exps/t192a/FRINGE/1234/No0002/BZ.W.10.0TD07M



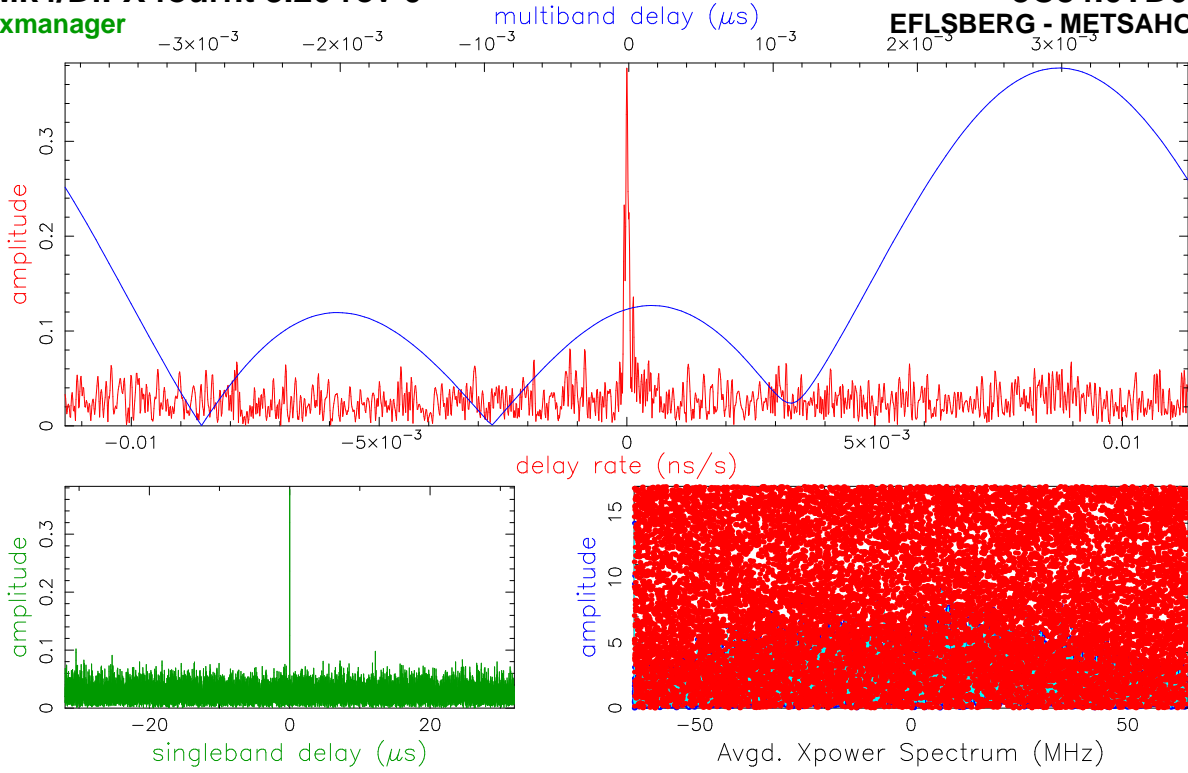
Amp. and Phase vs. time for each freq., 42 segs, 14 APs / seg (7.17 sec / seg.), time ticks 10 sec



	86076.00	86204.00	86332.00	86460.00	Freq (MHz)	All
24.1	51.8	38.9	24.8		Phase	33.8
0.4	0.3	0.4	0.5		Ampl.	0.4
8192.7	8192.5	8192.5	8192.1		Sbd box	8192.4
U/L 586/586	586/586	586/586	586/586		APs used	
B 1000	1000	1000	1000		PC freqs	
Z 1000	1000	1000	1000		PC freqs	
B:Z 0:0	0:0	0:0	0:0		PC phase	
B:Z 0:0	0:0	0:0	0:0		Mani PC	
B 1000	1000	1000	1000		PC amp	
Z 1000	1000	1000	1000			
B W00UL,W00LL	W01UL,W01LL	W02UL,W02LL	W03UL,W03LL		Chan ids	
Z W00UR,W00LR	W01UR,W01LR	W02UR,W02LR	W03UR,W03LR		Tracks	
					Chan ids	
					Tracks	

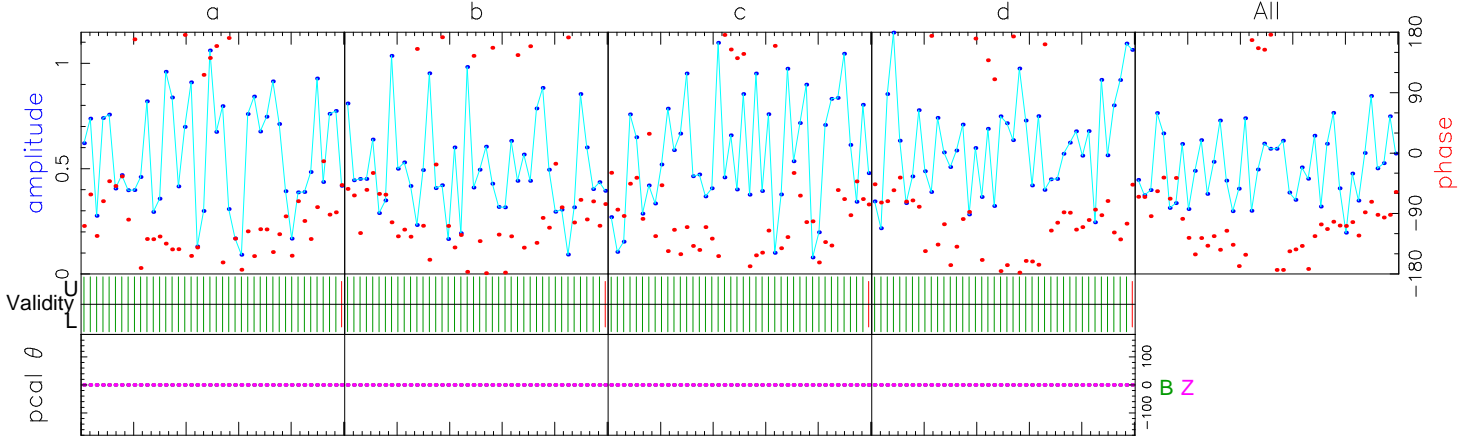
Group delay (usec)(sbd)	1.91611892105E+03	Apriori delay (usec)	1.91612100174E+03	Resid mbdelay (usec)	-2.08069E-03	+/-	6.1E-05
Sband delay (usec)	1.91611875099E+03	Apriori clock (usec)	1.6902790E+01	Resid sbdelay (usec)	-2.25075E-03	+/-	2.4E-04
Phase delay (usec)	1.91612100282E+03	Apriori clockrate (us/s)	-2.000000E-07	Resid phdelay (usec)	1.08906E-06	+/-	1.0E-07
Delay rate (us/s)	-9.65668920452E-02	Apriori rate (us/s)	-9.65668882700E-02	Resid rate (us/s)	-3.77519E-09	+/-	1.2E-09
Total phase (deg)	66.0	Apriori accel (us/s/s)	-1.73056756013E-05	Resid phase (deg)	33.8	+/-	3.1

ph/seg (deg)	44.8	Theor.	20.3	Amplitude	0.386 +/- 0.021	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5
amp/seg (%)	40.7	Search (2048X16)	0.362	Interp.	0.000	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-32.000 32.000
ph/frq (deg)	16.2	Inc. seg. avg.	0.471	Inc. frq. avg.	0.375	Bits/sample:	2x2	SampCntNorm:	enabled
amp/frq (%)	14.3	Inc. frq. avg.	0.375			Sample rate(MSamp/s):	128	mb window (us)	-0.004 0.004
						Data rate(Mb/s):	2048	dr window (ns/s)	-0.011 0.011
						nlags:	8192 t_cohere infinite	ion window (TEC)	0.00 0.00



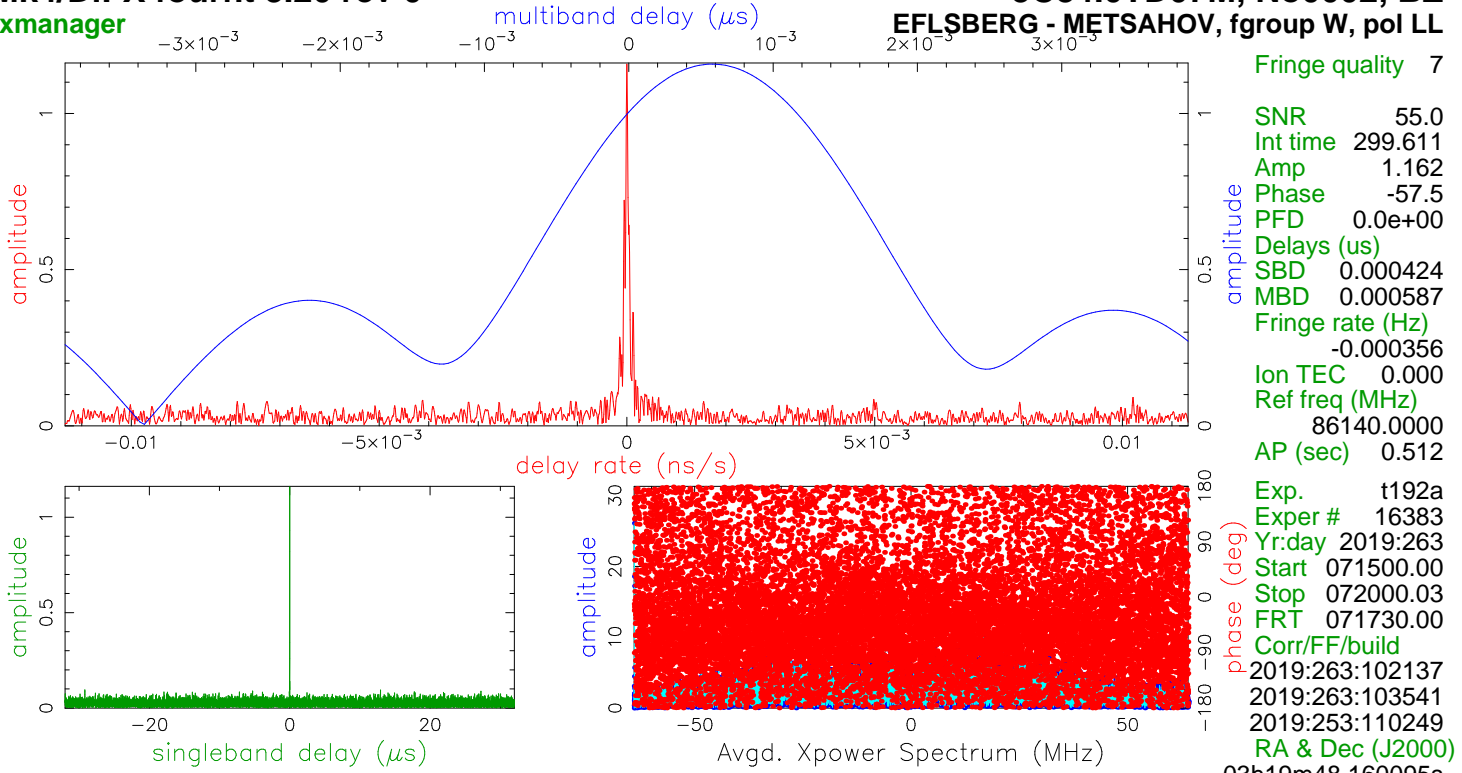
Fringe quality 9
 SNR 18.1
 Int time 299.611
 Amp 0.383
 Phase -118.3
 PFD 0.0e+00
 Delays (us)
 SBD 0.003030
 MBD 0.002948
 Fringe rate (Hz)
 -0.000273
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512
 Exp. t192a
 Exper # 16383
 Yr:day 2019:263
 Start 071500.00
 Stop 072000.03
 FRT 071730.00
 Corr/FF/build
 2019:263:102137
 2019:263:103750
 2019:253:110249
 RA & Dec (J2000)
 03h19m48.160095s
 +41°30'42.104042"

Amp. and Phase vs. time for each freq., 42 segs, 14 APs / seg (7.17 sec / seg.), time ticks 10 sec



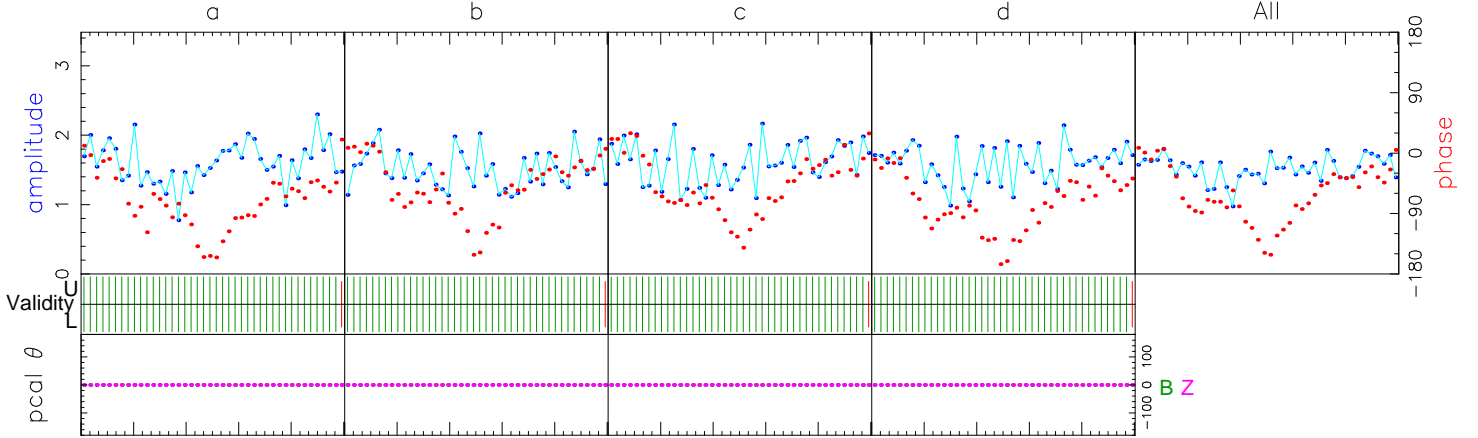
	86076.00	86204.00	86332.00	86460.00	Freq (MHz)	All
	-122.9	-117.2	-113.9	-118.8	Phase	-118.3
	0.4	0.3	0.4	0.4	Ampl.	0.4
	8193.9	8193.8	8193.8	8193.5	Sbd box	8193.8
U/L	586/586	586/586	586/586	586/586	APs used	
B	1000	1000	1000	1000	PC freqs	
Z	1000	1000	1000	1000	PC freqs	
B:Z	0:0	0:0	0:0	0:0	PC phase	
B:Z	0:0	0:0	0:0	0:0	Manl PC	
B	1000	1000	1000	1000	PC amp	
Z	1000	1000	1000	1000		
B	W00UR,W00LR	W01UR,W01LR	W02UR,W02LR	W03UR,W03LR	Chan ids	
Z	W00UL,W00LL	W01UL,W01LL	W02UL,W02LL	W03UL,W03LL	Tracks	
					Chan ids	
					Tracks	
Group delay (usec)(sbd)	1.91612394980E+03	Apriori delay (usec)	1.91612100174E+03	Resid mbdelay (usec)	2.94806E-03	+/- 6.1E-05
Sband delay (usec)	1.91612403224E+03	Apriori clock (usec)	1.6902790E+01	Resid sbdelay (usec)	3.03050E-03	+/- 2.4E-04
Phase delay (usec)	1.91612099792E+03	Apriori clockrate (us/s)	-2.0000000E-07	Resid phdelay (usec)	-3.81547E-06	+/- 1.0E-07
Delay rate (us/s)	-9.65668914365E-02	Apriori rate (us/s)	-9.65668882700E-02	Resid rate (us/s)	-3.16654E-09	+/- 1.2E-09
Total phase (deg)		Apriori accel (us/s/s)	-1.73056756013E-05	Resid phase (deg)	-118.3	+/- 3.2

	RMS	Theor.	Amplitude	0.383 +/- 0.021	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5
ph/seg (deg)	42.9	20.5	Search (2048X16)	0.372	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us) -32.000 32.000
amp/seg (%)	52.3	35.8	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled mb window (us) -0.004 0.004
ph/frq (deg)	4.5	6.3	Inc. seg. avg.	0.478	Sample rate(MSamp/s): 128	dr window (ns/s) -0.011 0.011
amp/frq (%)	8.8	11.0	Inc. frq. avg.	0.375	Data rate(Mb/s): 2048	nlags: 8192 t_cohere infinite ion window (TEC) 0.00 0.00



Fringe quality 7
SNR 55.0
Int time 299.611
Amp 1.162
Phase -57.5
PFD 0.0e+00
Delays (us)
SBD 0.000424
MBD 0.000587
Fringe rate (Hz)
-0.000356
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512
Exp. t192a
Exper # 16383
Yr:day 2019:263
Start 071500.00
Stop 072000.03
FRT 071730.00
Corr/FF/build
2019:263:102137
2019:263:103541
2019:253:110249
RA & Dec (J2000)
03h19m48.160095s
+41°30'42.104042"

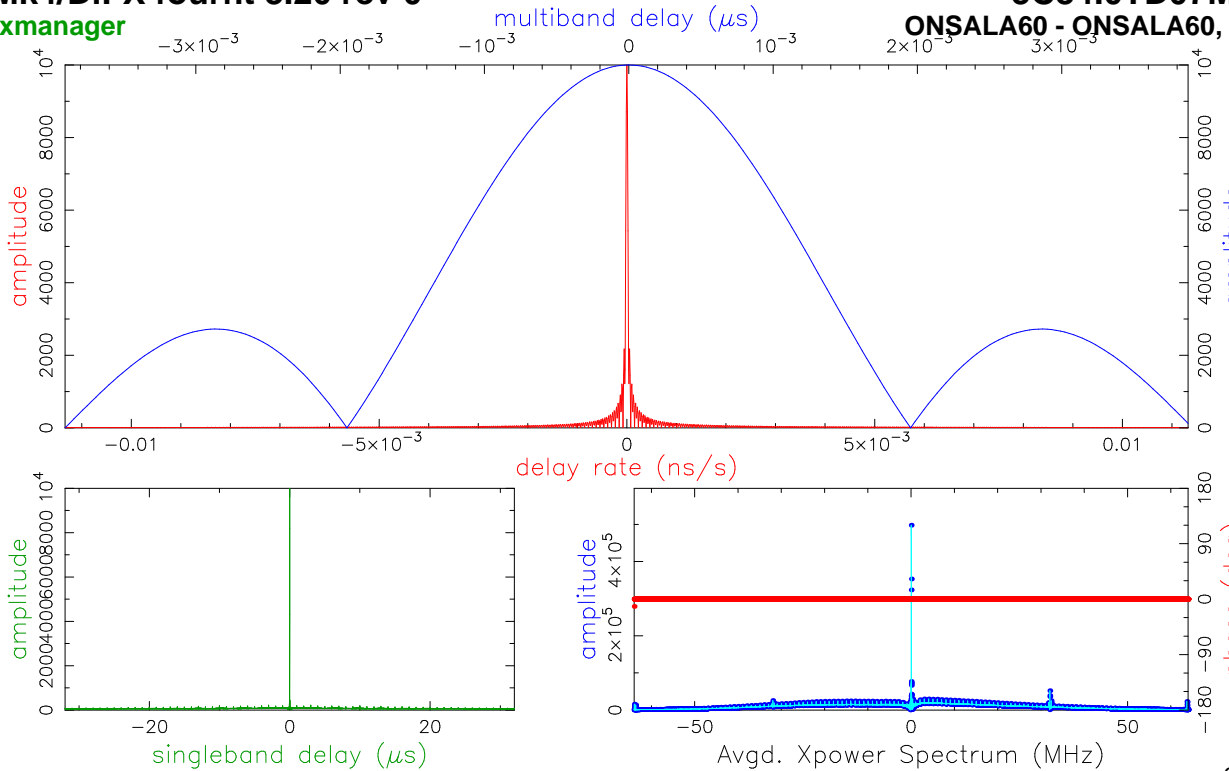
Amp. and Phase vs. time for each freq., 42 segs, 14 APs / seg (7.17 sec / seg.), time ticks 10 sec



	86076.00	86204.00	86332.00	86460.00	Freq (MHz)	All
	-69.5	-44.9	-43.0	-71.4	Phase	-57.5
	1.2	1.1	1.2	1.2	Ampl.	1.2
	8193.0	8193.3	8193.1	8192.8	Sbd box	8193.1
U/L	586/586	586/586	586/586	586/586	APs used	
B	1000	1000	1000	1000	PC freqs	
Z	1000	1000	1000	1000	PC freqs	
B:Z	0:0	0:0	0:0	0:0	PC phase	
B:Z	0:0	0:0	0:0	0:0	Mani PC	
B	1000	1000	1000	1000	PC amp	
Z	1000	1000	1000	1000		
B	W00UL,W00LL	W01UL,W01LL	W02UL,W02LL	W03UL,W03LL	Chan ids	
Z	W00UL,W00LL	W01UL,W01LL	W02UL,W02LL	W03UL,W03LL	Tracks	
					Chan ids	
					Tracks	

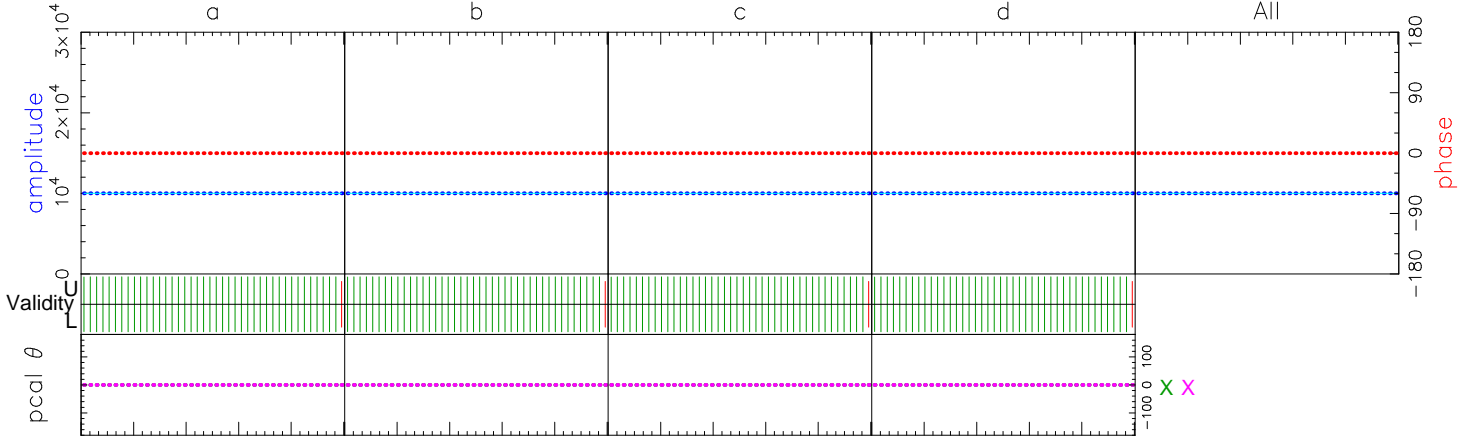
Group delay (usec)(sbd)	1.91612158855E+03	Apriori delay (usec)	1.91612100174E+03	Resid mbdelay (usec)	5.86813E-04	+/-	2.0E-05
Sband delay (usec)	1.91612142574E+03	Apriori clock (usec)	1.6902790E+01	Resid sbdelay (usec)	4.24000E-04	+/-	7.8E-05
Phase delay (usec)	1.91612099988E+03	Apriori clockrate (us/s)	-2.0000000E-07	Resid phdelay (usec)	-1.85527E-06	+/-	3.4E-08
Delay rate (us/s)	-9.65668924016E-02	Apriori rate (us/s)	-9.65668882700E-02	Resid rate (us/s)	-4.13160E-09	+/-	3.9E-10
Total phase (deg)	-25.3	Apriori accel (us/s/s)	-1.73056756013E-05	Resid phase (deg)	-57.5	+/-	1.0

ph/seg (deg)	41.3	Theor.	6.8	Amplitude	1.162 +/- 0.021	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5
amp/seg (%)	34.4	Search (2048X16)	1.132	Interp.	0.000	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-32.000 32.000
ph/frq (deg)	18.8	Inc. seg. avg.	1.511	Inc. frq. avg.	1.189	Bits/sample:	2x2	SampCntNorm:	enabled
amp/frq (%)	3.9	Inc. frq. avg.	1.189			Sample rate (MSamp/s):	128	mb window (us)	-0.004 0.004
						Data rate (Mb/s):	2048	dr window (ns/s)	-0.011 0.011
						nlags:	8192 t_cohere infinite	ion window (TEC)	0.00 0.00



Fringe quality 9
 SNR 473489.7
 Int time 299.796
 Amp 10000.000
 Phase 0.0
 PFD 0.0e+00
 Delays (us)
 SBD 0.000000
 MBD 0.000000
 Fringe rate (Hz)
 0.000000
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512
 Exp. t192a
 Exper # 16383
 Yr:day 2019:263
 Start 071500.00
 Stop 072000.03
 FRT 071730.00
 Corr/FF/build
 2019:263:102137
 2019:263:103538
 2019:263:110249
 RA & Dec (J2000)
 03h19m48.160095s
 +41°30'42.104042"

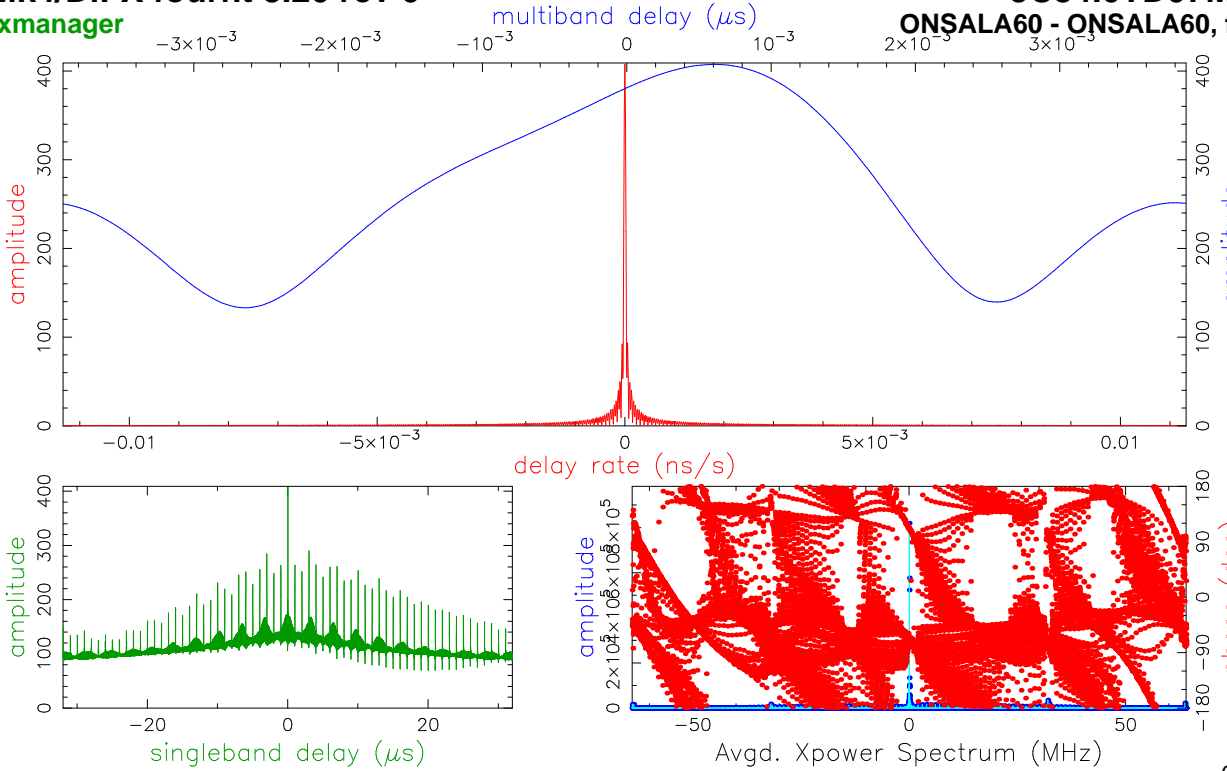
Amp. and Phase vs. time for each freq., 42 segs, 14 APs / seg (7.17 sec / seg.), time ticks 10 sec



	86076.00	86204.00	86332.00	86460.00	Freq (MHz)	All
U/L	586/586	586/586	586/586	586/586		
X	1000	1000	1000	1000	APs used	
X:X	0:0	0:0	0:0	0:0	PC freqs	
X:X	0:0	0:0	0:0	0:0	PC phase	
X	1000	1000	1000	1000	Mani PC	
X	1000	1000	1000	1000	PC amp	
X	W00UL,W00LL	W01UL,W01LL	W02UL,W02LL	W03UL,W03LL	Chan ids	
X	W00UL,W00LL	W01UL,W01LL	W02UL,W02LL	W03UL,W03LL	Tracks	

Group delay (usec)(sbd)	0.0000000000E+00	Apriori delay (usec)	0.0000000000E+00	Resid mbdelay (usec)	0.00000E+00	+/- 2.3E-09
Sband delay (usec)	0.0000000000E+00	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	0.00000E+00	+/- 9.1E-09
Phase delay (usec)	0.0000000000E+00	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	0.00000E+00	+/- 3.9E-12
Delay rate (us/s)	0.0000000000E+00	Apriori rate (us/s)	0.0000000000E+00	Resid rate (us/s)	0.00000E+00	+/- 4.5E-14
Total phase (deg)	0.0	Apriori accel (us/s/s)	0.0000000000E+00	Resid phase (deg)	0.0	+/- 0.0

ph/seg (deg)	0.0	Theor.	0.0	Amplitude	10000.000 +/- 0.021	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5
amp/seg (%)	0.0	0.0	0.0	Search (2048X16)	10000.000	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us) -32.000 32.000
ph/frq (deg)	0.0	0.0	0.0	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled
amp/frq (%)	0.0	0.0	0.0	Inc. seg. avg.	10000.000	Sample rate(MSamp/s): 128	mb window (us) -0.004 0.004
				Inc. frq. avg.	10000.000	Data rate(Mb/s): 2048	dr window (ns/s) -0.011 0.011
						nlags: 8192 t_cohere infinite	ion window (TEC) 0.00 0.00

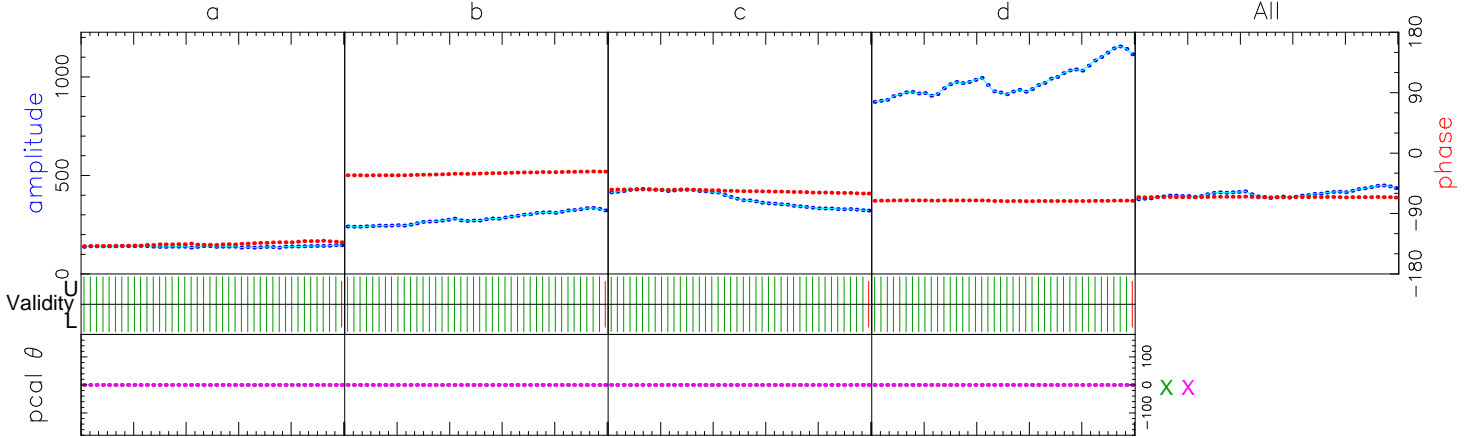


Fringe quality 5

SNR 19366.0
Int time 299.796
Amp 409.006
Phase 294.5
PFD 0.0e+00
Delays (us)
SBD 0.031905
MBD 0.000599
Fringe rate (Hz)
0.000007
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

Exp. t192a
Exper # 16383
Yr:day 2019:263
Start 071500.00
Stop 072000.03
FRT 071730.00
Corr/FF/build
2019:263:102137
2019:263:103658
2019:253:110249
RA & Dec (J2000)
03h19m48.160095s
+41°30'42.104042"

Amp. and Phase vs. time for each freq., 42 segs, 14 APs / seg (7.17 sec / seg.), time ticks 10 sec



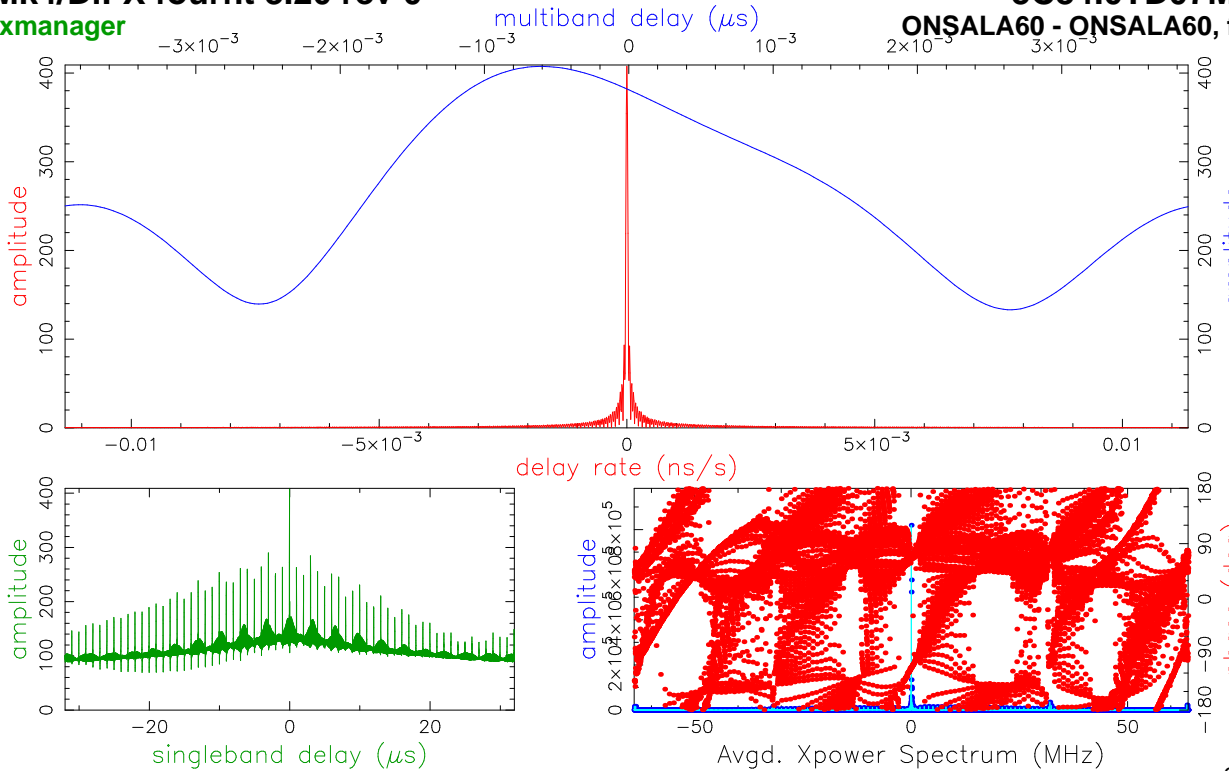
	86076.00	86204.00	86332.00	86460.00	Freq (MHz)	All
	-135.1	-30.2	-56.3	-70.9	Phase	-65.5
	139.6	281.3	381.5	979.1	Ampl.	445.4
	8202.8	8200.8	8201.1	8201.1	Sbd box	8201.2
U/L	586/586	586/586	586/586	586/586	APs used	
X	1000	1000	1000	1000	PC freqs	
X	1000	1000	1000	1000	PC freqs	
X:X	0:0	0:0	0:0	0:0	PC phase	
X:X	0:0	0:0	0:0	0:0	Manl PC	
X	1000	1000	1000	1000	PC amp	
X	1000	1000	1000	1000		
X	W00UL,W00LL	W01UL,W01LL	W02UL,W02LL	W03UL,W03LL	Chan ids	
X	W00UR,W00LR	W01UR,W01LR	W02UR,W02LR	W03UR,W03LR	Tracks	
					Chan ids	
					Tracks	

Group delay (usec)(sbd)	3.18486562500E-02	Apriori delay (usec)	0.00000000000E+00	Resid mbdelay (usec)	5.98656E-04	+/-	5.7E-08
Sband delay (usec)	3.19052500000E-02	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	3.19052E-02	+/-	2.2E-07
Phase delay (usec)	-2.11201012788E-06	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	-2.11201E-06	+/-	9.5E-11
Delay rate (us/s)	7.79413381543E-11	Apriori rate (us/s)	0.00000000000E+00	Resid rate (us/s)	7.79413E-11	+/-	1.1E-12
Total phase (deg)	294.5	Apriori accel (us/s/s)	0.00000000000E+00	Resid phase (deg)	294.5	+/-	0.0

ph/seg (deg)	0.3	Theor.	0.0	Amplitude	409.006 +/- 0.021	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5	
amp/seg (%)	4.5	0.0	Search (2048X16)	406.167	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-32.000	32.000	
ph/frq (deg)	55.7	0.0	Interp.	0.000	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.004	0.004
amp/frq (%)	78.7	0.0	Inc. seg. avg.	407.402	Sample rate(MSamp/s):	128	dr window (ns/s)	-0.011	0.011	
			Inc. frq. avg.	445.388	Data rate(Mb/s):	2048	ion window (TEC)	0.00	0.00	

X: az 280.7 el 44.7 pa 44.9 X: az 280.7 el 44.7 pa 44.9 u,v (fr/asec) 0.000 0.000 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/t192a/FRINGE/1234/No0002/XX..0TD07M Output file: /Exps/t192a/FRINGE/1234/No0002/XX.W.13.0TD07M

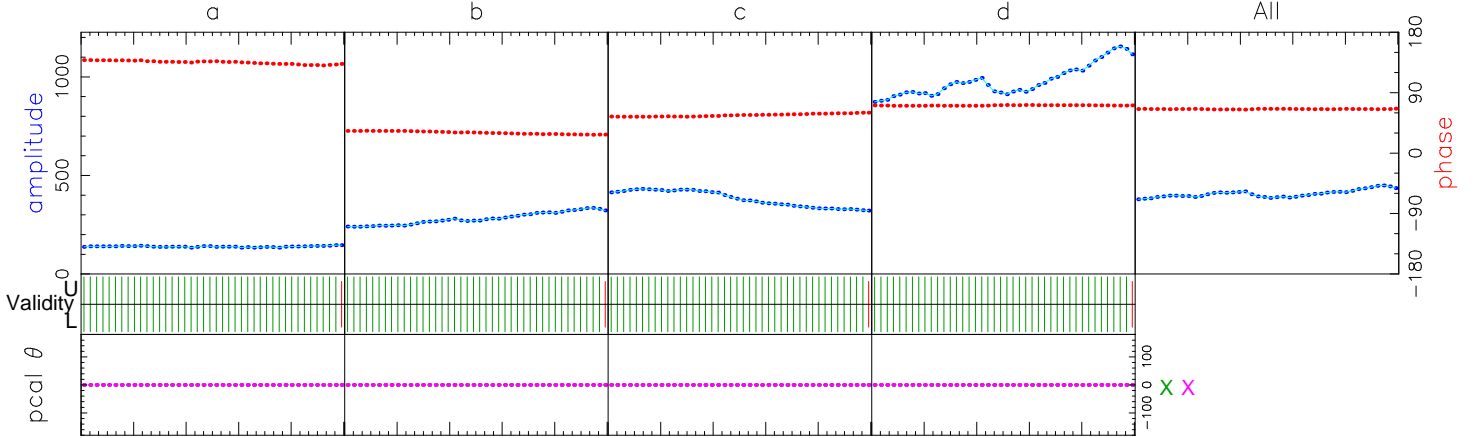


Fringe quality 5

SNR 19366.0
 Int time 299.796
 Amp 409.006
 Phase -294.5
 PFD 0.0e+00
 Delays (us)
 SBD -0.031905
 MBD -0.000599
 Fringe rate (Hz)
 -0.000007
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512

Exp. t192a
 Exper # 16383
 Yr:day 2019:263
 Start 071500.00
 Stop 072000.03
 FRT 071730.00
 Corr/FF/build
 2019:263:102137
 2019:263:103738
 2019:253:110249
 RA & Dec (J2000)
 03h19m48.160095s
 +41°30'42.104042"

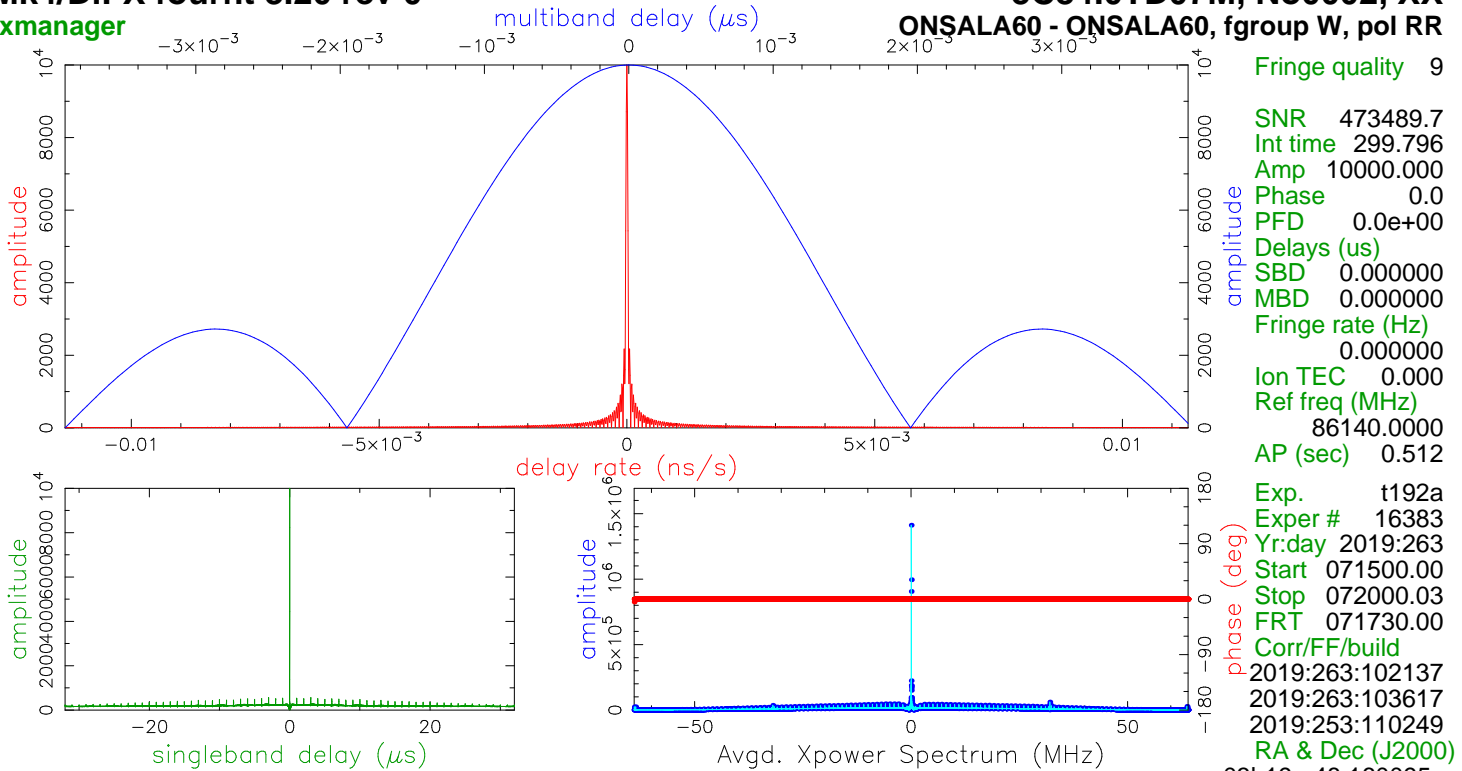
Amp. and Phase vs. time for each freq., 42 segs, 14 APs / seg (7.17 sec / seg.), time ticks 10 sec



	86076.00	86204.00	86332.00	86460.00	Freq (MHz)	All
	135.1	30.2	56.3	70.9	Phase	65.5
	139.6	281.3	381.5	979.1	Ampl.	445.4
	8183.2	8185.2	8184.9	8184.9	Sbd box	8184.8
U/L	586/586	586/586	586/586	586/586	APs used	
X	1000	1000	1000	1000	PC freqs	
X	1000	1000	1000	1000	PC freqs	
X:X	0:0	0:0	0:0	0:0	PC phase	
X:X	0:0	0:0	0:0	0:0	Manl PC	
X	1000	1000	1000	1000	PC amp	
X	1000	1000	1000	1000	PC amp	
X	W00UR,W00LR	W01UR,W01LR	W02UR,W02LR	W03UR,W03LR	Chan ids	
X	W00UL,W00LL	W01UL,W01LL	W02UL,W02LL	W03UL,W03LL	Tracks	
					Chan ids	
					Tracks	

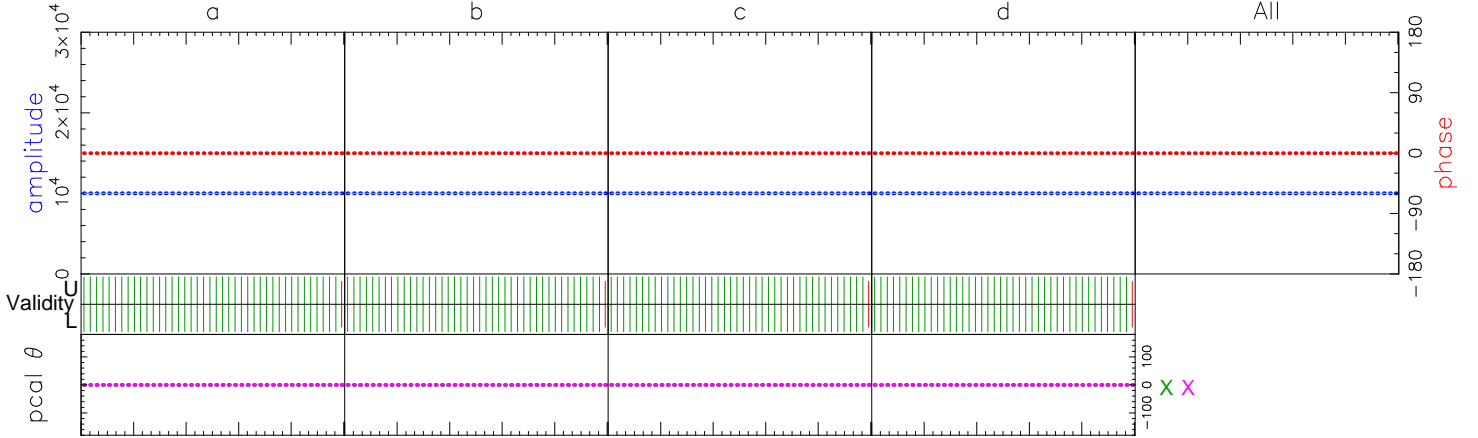
Group delay (usec)(sbd)	-3.18486562500E-02	Apriori delay (usec)	0.00000000000E+00	Resid mbdelay (usec)	-5.98656E-04	+/- 5.7E-08
Sband delay (usec)	-3.19052500000E-02	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	-3.19052E-02	+/- 2.2E-07
Phase delay (usec)	2.11201012786E-06	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	2.11201E-06	+/- 9.5E-11
Delay rate (us/s)	-7.79413381543E-11	Apriori rate (us/s)	0.00000000000E+00	Resid rate (us/s)	-7.79413E-11	+/- 1.1E-12
Total phase (deg)	-294.5	Apriori accel (us/s/s)	0.00000000000E+00	Resid phase (deg)	-294.5	+/- 0.0

ph/seg (deg)	0.3	0.0	Amplitude	409.006 +/- 0.021	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5
amp/seg (%)	4.5	0.0	Search (2048X16)	406.167	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us) -32.000 32.000
ph/frq (deg)	55.7	0.0	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled
amp/frq (%)	78.7	0.0	Inc. seg. avg.	407.402	Sample rate(MSamp/s): 128	mb window (us) -0.004 0.004
			Inc. frq. avg.	445.388	Data rate(Mb/s): 2048	dr window (ns/s) -0.011 0.011
					nlags: 8192 t_cohere infinite	ion window (TEC) 0.00 0.00



Fringe quality 9
 SNR 473489.7
 Int time 299.796
 Amp 10000.000
 Phase 0.0
 PFD 0.0e+00
 Delays (us)
 SBD 0.000000
 MBD 0.000000
 Fringe rate (Hz)
 0.000000
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512
 Exp. t192a
 Exper # 16383
 Yr:day 2019:263
 Start 071500.00
 Stop 072000.03
 FRT 071730.00
 Corr/FF/build
 2019:263:102137
 2019:263:103617
 2019:253:110249
 RA & Dec (J2000)
 03h19m48.160095s
 +41°30'42.104042"

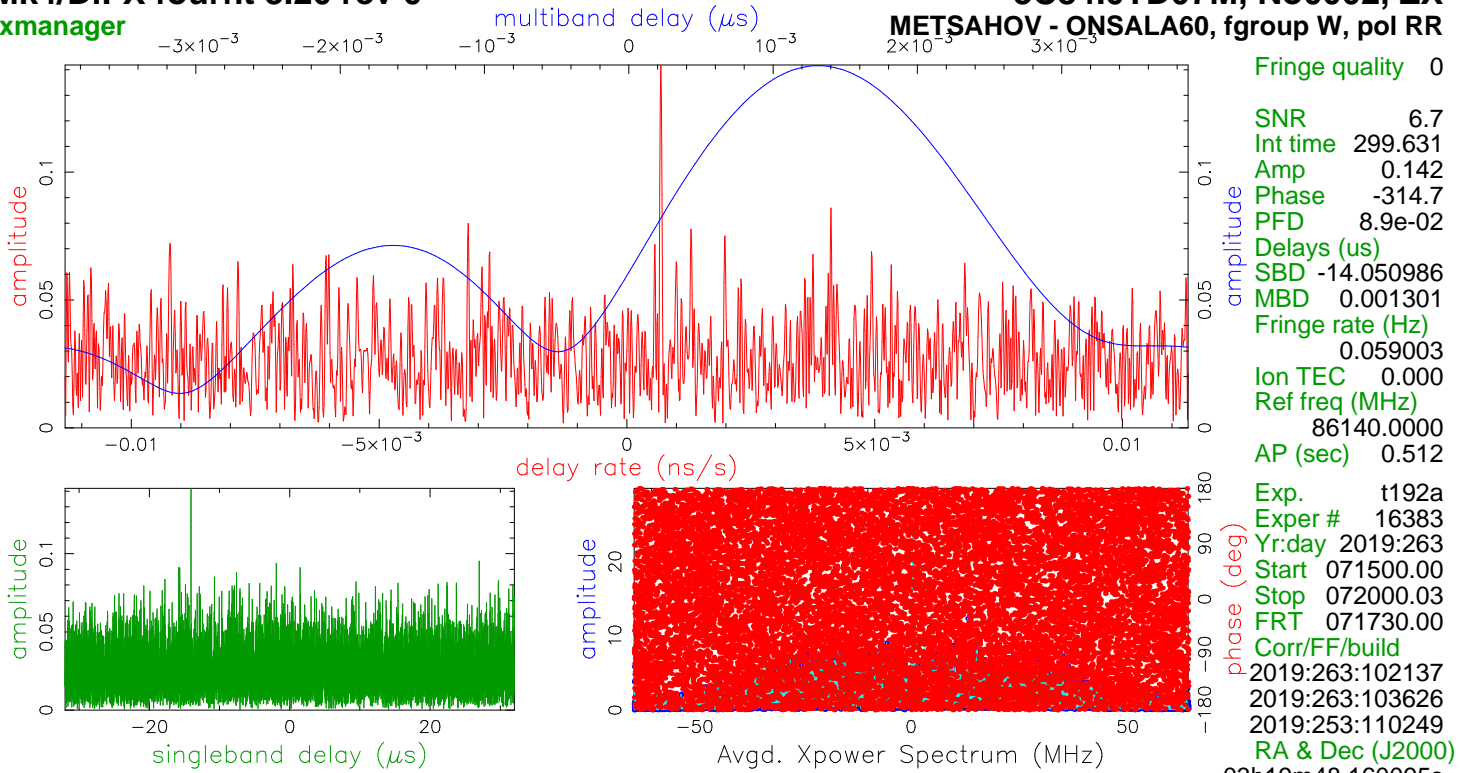
Amp. and Phase vs. time for each freq., 42 segs, 14 APs / seg (7.17 sec / seg.), time ticks 10 sec



	86076.00	86204.00	86332.00	86460.00	Freq (MHz)	All
U/L	586/586	586/586	586/586	586/586		
X	1000	1000	1000	1000	APs used	
X:X	0:0	0:0	0:0	0:0	PC freqs	
X:X	0:0	0:0	0:0	0:0	PC phase	
X	1000	1000	1000	1000	Mani PC	
X	1000	1000	1000	1000	PC amp	
X	W00UR,W00LR	W01UR,W01LR	W02UR,W02LR	W03UR,W03LR	Chan ids	
X	W00UR,W00LR	W01UR,W01LR	W02UR,W02LR	W03UR,W03LR	Tracks	

Group delay (usec)(sbd)	0.0000000000E+00	Apriori delay (usec)	0.0000000000E+00	Resid mbdelay (usec)	0.00000E+00	+/- 2.3E-09
Sband delay (usec)	0.0000000000E+00	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	0.00000E+00	+/- 9.1E-09
Phase delay (usec)	0.0000000000E+00	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	0.00000E+00	+/- 3.9E-12
Delay rate (us/s)	0.0000000000E+00	Apriori rate (us/s)	0.0000000000E+00	Resid rate (us/s)	0.00000E+00	+/- 4.5E-14
Total phase (deg)	0.0	Apriori accel (us/s/s)	0.0000000000E+00	Resid phase (deg)	0.0	+/- 0.0

ph/seg (deg)	0.0	Theor.	0.0	Amplitude	10000.000 +/- 0.021	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5
amp/seg (%)	0.0	0.0	0.0	Search (2048X16)	10000.000	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us) -32.000 32.000
ph/frq (deg)	0.0	0.0	0.0	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled
amp/frq (%)	0.0	0.0	0.0	Inc. seg. avg.	10000.000	Sample rate(MSamp/s): 128	mb window (us) -0.004 0.004
				Inc. frq. avg.	10000.000	Data rate(Mb/s): 2048	dr window (ns/s) -0.011 0.011
						nlags: 8192 t_cohere infinite	ion window (TEC) 0.00 0.00



Fringe quality 0

SNR 6.7

Int time 299.631

Amp 0.142

Phase -314.7

PFD 8.9e-02

Delays (us)

SBD -14.050986

MBD 0.001301

Fringe rate (Hz) 0.059003

Ion TEC 0.000

Ref freq (MHz) 86140.0000

AP (sec) 0.512

Exp. t192a

Exper # 16383

Yr:day 2019:263

Start 071500.00

Stop 072000.03

FRT 071730.00

Corr/FF/build

2019:263:102137

2019:263:103626

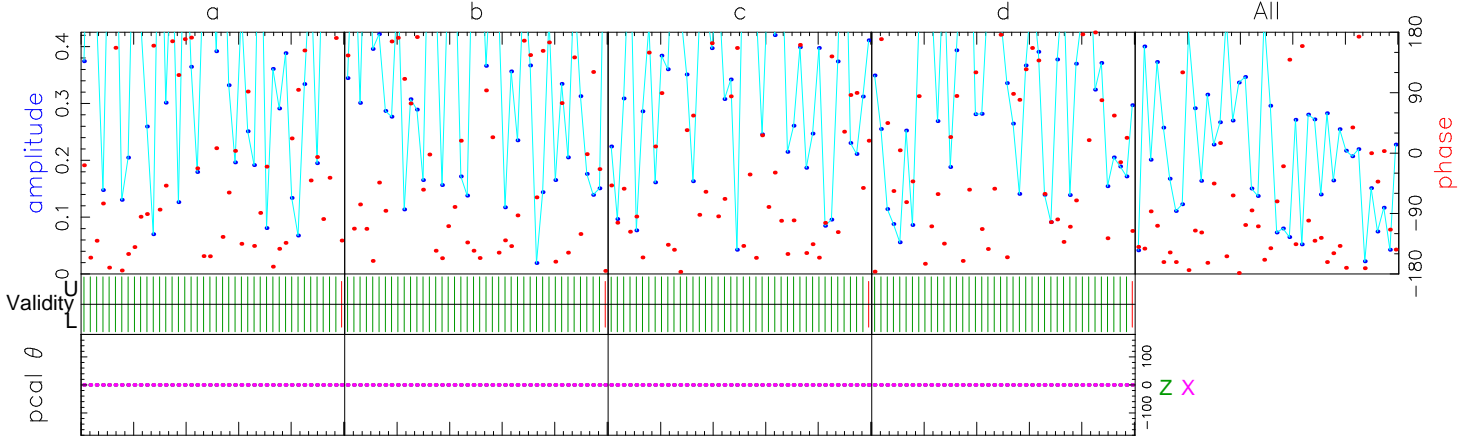
2019:253:110249

RA & Dec (J2000)

03h19m48.160095s

+41°30'42.104042"

Amp. and Phase vs. time for each freq., 42 segs, 14 APs / seg (7.17 sec / seg.), time ticks 10 sec



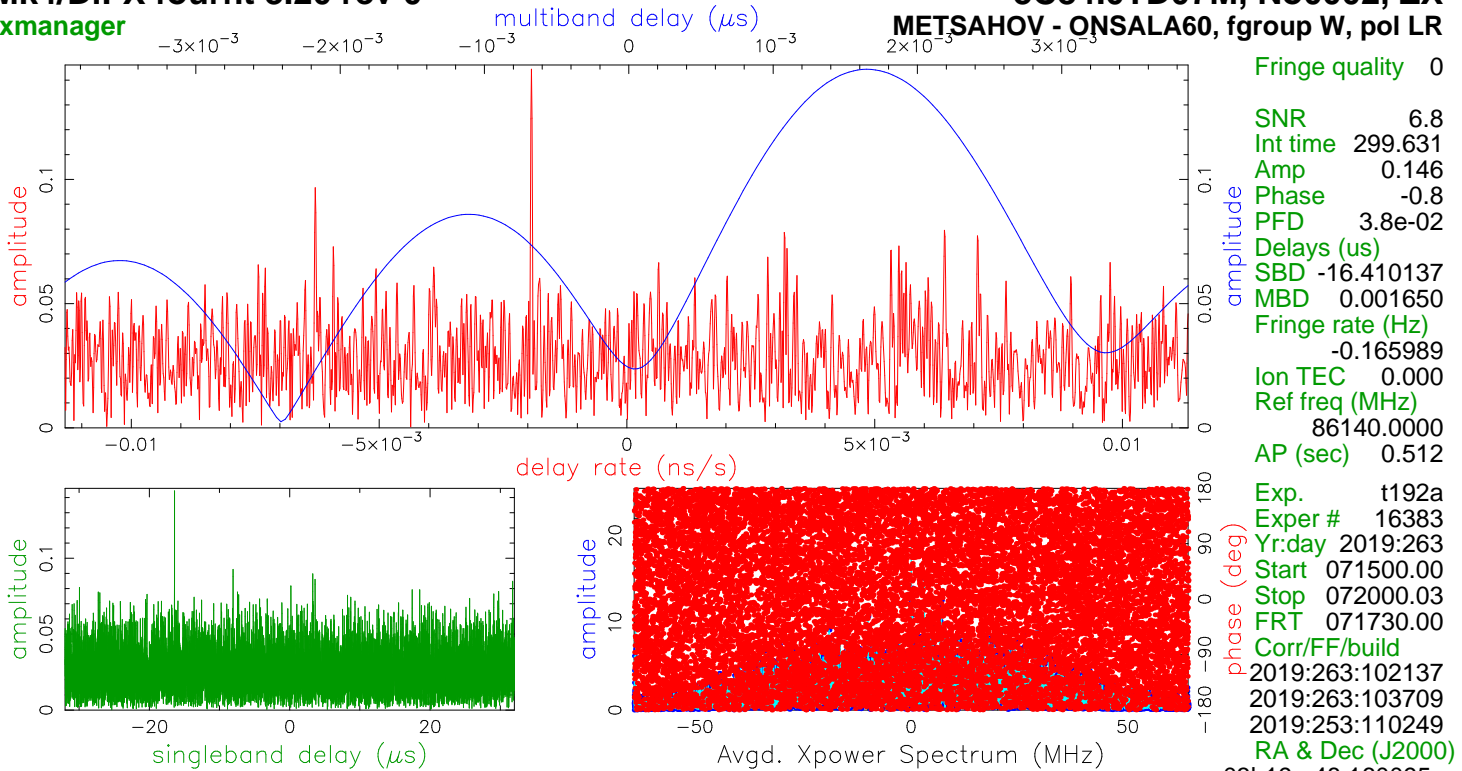
	86076.00	86204.00	86332.00	86460.00	Freq (MHz)	All
	-133.0	-148.9	-108.8	-146.3	Phase	-134.7
	0.2	0.2	0.1	0.1	Ampl.	0.1
	4596.1	10185.0	11268.9	7922.3	Sbd box	4595.9
U/L	586/586	586/586	586/586	586/586	APs used	
Z	1000	1000	1000	1000	PC freqs	
X	1000	1000	1000	1000	PC freqs	
Z:X	0:0	0:0	0:0	0:0	PC phase	
Z:X	0:0	0:0	0:0	0:0	Manl PC	
Z	1000	1000	1000	1000	PC amp	
X	1000	1000	1000	1000		
Z	W00UR,W00LR	W01UR,W01LR	W02UR,W02LR	W03UR,W03LR	Chan ids	
X	W00UR,W00LR	W01UR,W01LR	W02UR,W02LR	W03UR,W03LR	Tracks	
					Chan ids	
					Tracks	

Group delay (usec)(sbd)	-1.57699201986E+03	Apriori delay (usec)	-1.56293863359E+03	Resid mbdelay (usec)	1.30122E-03	+/-	1.7E-04
Sband delay (usec)	-1.57698961959E+03	Apriori clock (usec)	-2.2068655E+01	Resid sbdelay (usec)	-1.40510E+01	+/-	6.4E-04
Phase delay (usec)	-1.56293863793E+03	Apriori clockrate (us/s)	-6.2399998E-07	Resid phdelay (usec)	-4.34320E-06	+/-	2.8E-07
Delay rate (us/s)	1.59105602782E-02	Apriori rate (us/s)	1.59098753127E-02	Resid rate (us/s)	6.84965E-07	+/-	3.2E-09
Total phase (deg)	-277.7	Apriori accel (us/s/s)	1.01100557897E-05	Resid phase (deg)	-314.7	+/-	8.5

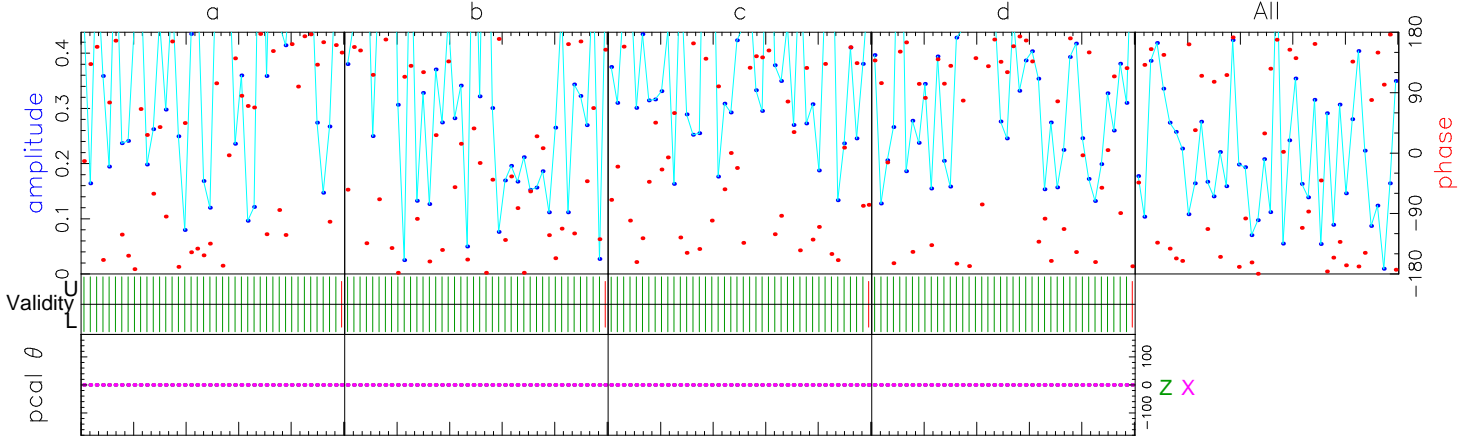
ph/seg (deg)	64.4	Theor.	55.4	Amplitude	0.142 +/- 0.021	Pcal mode: MANUAL, MANUAL	PC period (AP's)	5, 5	
amp/seg (%)	96.3	Search (2048X16)	0.138	Search	0.000	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us)	-32.000 32.000	
ph/frq (deg)	22.5	Interp.	0.000	Inc. seg. avg.	0.147	Bits/sample: 2x2	SampCntNorm: enabled	mb window (us)	-0.004 0.004
amp/frq (%)	33.5	Inc. frq. avg.	0.140	Inc. frq. avg.	0.140	Sample rate(MSamp/s): 128	dr window (ns/s)	-0.011 0.011	
						Data rate(Mb/s): 2048	ion window (TEC)	0.00 0.00	
						nlags: 8192 t_cohere infinite			

Z: az 287.5 el 39.1 pa 39.2 X: az 280.7 el 44.7 pa 44.9 u,v (fr/asec) -107.344 875.005 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/t192a/FRINGE/1234/No0002/ZX..0TD07M Output file: /Exps/t192a/FRINGE/1234/No0002/ZX.W.11.0TD07M



Amp. and Phase vs. time for each freq., 42 segs, 14 APs / seg (7.17 sec / seg.), time ticks 10 sec



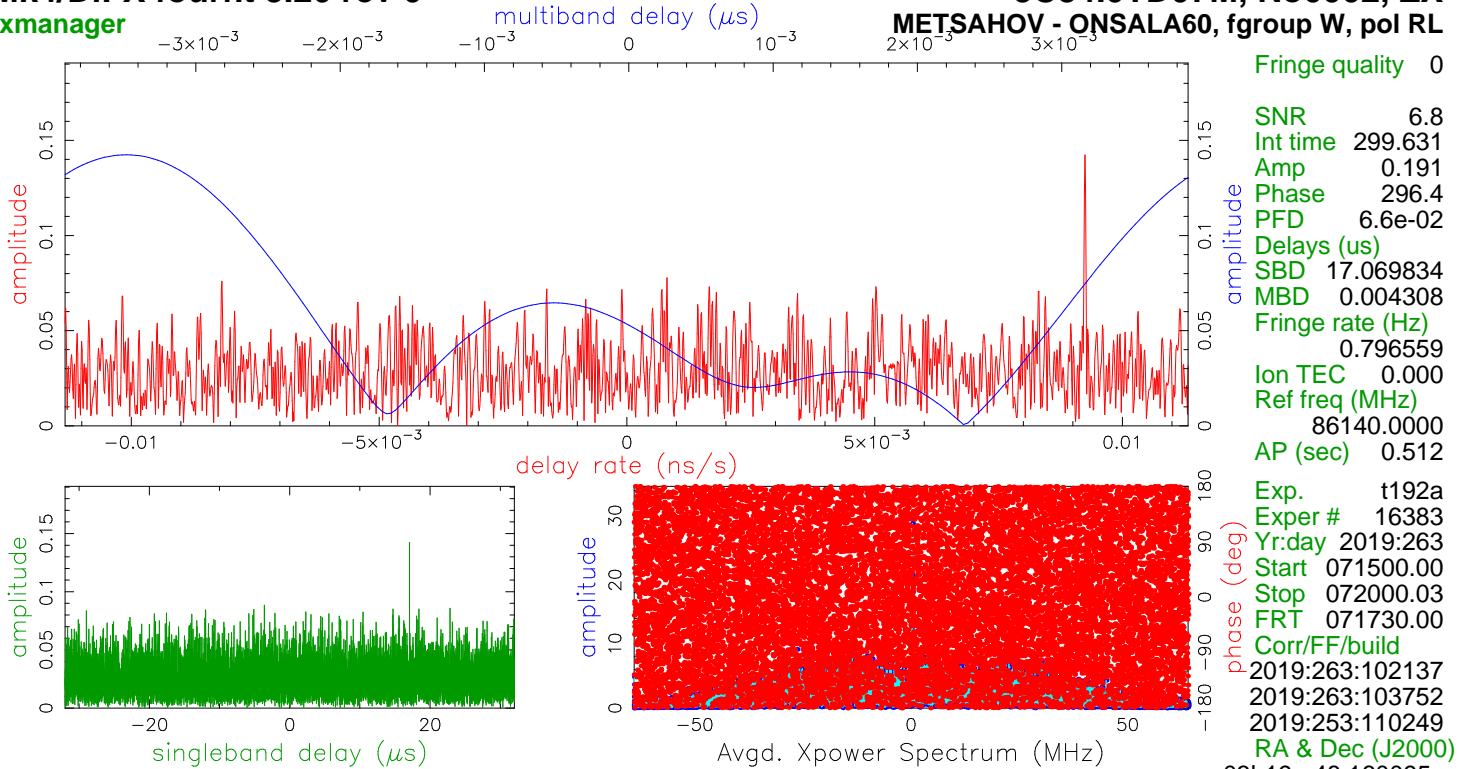
86076.00	86204.00	86332.00	86460.00	86588.00	86716.00
168.1	-168.0	-147.7	163.0	163.0	163.0
0.2	0.1	0.1	0.2	0.2	0.2
3991.7	13855.1	16051.7	13844.0	13844.0	13844.0
U/L 586/586	586/586	586/586	586/586	586/586	586/586
Z 1000	1000	1000	1000	1000	1000
X 1000	1000	1000	1000	1000	1000
Z:X 0:0	0:0	0:0	0:0	0:0	0:0
Z:X 0:0	0:0	0:0	0:0	0:0	0:0
Z 1000	1000	1000	1000	1000	1000
X 1000	1000	1000	1000	1000	1000
Z W00UL,W00LL	W01UL,W01LL	W02UL,W02LL	W03UL,W03LL	W04UL,W04LL	W05UL,W05LL
X W00UR,W00LR	W01UR,W01LR	W02UR,W02LR	W03UR,W03LR	W04UR,W04LR	W05UR,W05LR

Group delay (usec)(sbd)	-1.57935104565E+03	Apriori delay (usec)	-1.56293863359E+03	Resid mbdelay (usec)	1.65044E-03	+/-	1.6E-04
Sband delay (usec)	-1.57934877084E+03	Apriori clock (usec)	-2.2068655E+01	Resid sbdelay (usec)	-1.64101E+01	+/-	6.3E-04
Phase delay (usec)	-1.56293862781E+03	Apriori clockrate (us/s)	-6.2399998E-07	Resid phdelay (usec)	5.77790E-06	+/-	2.7E-07
Delay rate (us/s)	1.59079483428E-02	Apriori rate (us/s)	1.59098753127E-02	Resid rate (us/s)	-1.92697E-06	+/-	3.1E-09
Total phase (deg)	-323.8	Apriori accel (us/s/s)	1.01100557897E-05	Resid phase (deg)	-0.8	+/-	8.4

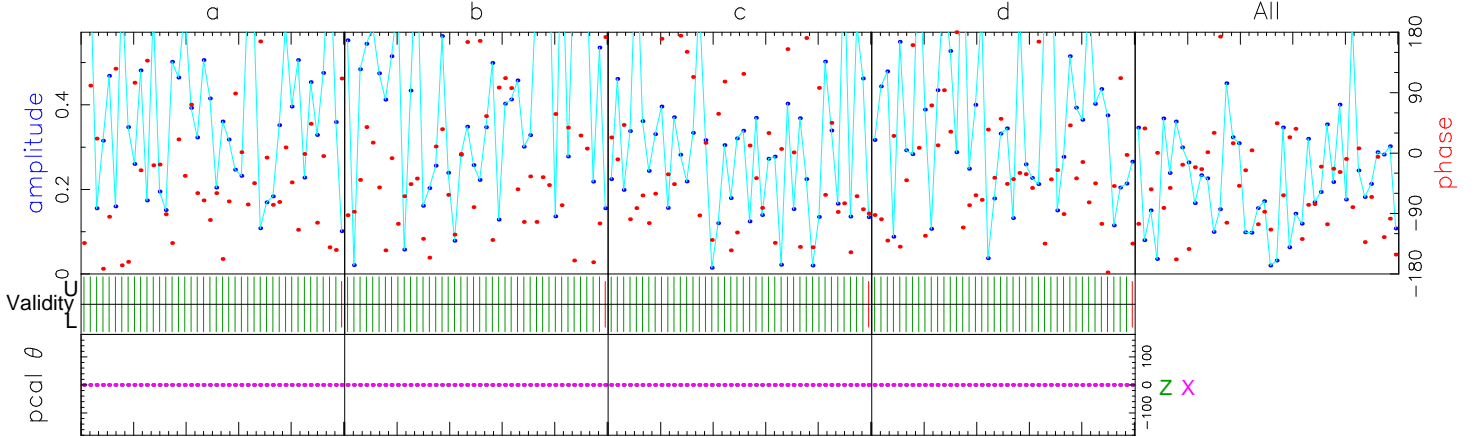
ph/seg (deg)	67.5	Theor.	54.3	Amplitude	0.146 +/- 0.021	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5
amp/seg (%)	96.6	Search (2048X16)	0.143	Search	0.000	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-32.000 32.000
ph/frq (deg)	28.7	Interp.	0.000	Inc. seg. avg.	0.151	Bits/sample:	2x2	SampCntNorm:	enabled
amp/frq (%)	28.3	Inc. frq. avg.	0.148	Inc. frq. avg.	0.148	Sample rate(MSamp/s):	128	mb window (us)	-0.004 0.004
						Data rate(Mb/s):	2048	dr window (ns/s)	-0.011 0.011
						nlags:	8192 t_cohere infinite	ion window (TEC)	0.00 0.00

Z: az 287.5 el 39.1 pa 39.2 X: az 280.7 el 44.7 pa 44.9 u,v (fr/asec) -107.344 875.005 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/t192a/FRINGE/1234/No0002/ZX..0TD07M Output file: /Exps/t192a/FRINGE/1234/No0002/ZX.W.17.0TD07M



Amp. and Phase vs. time for each freq., 42 segs, 14 APs / seg (7.17 sec / seg.), time ticks 10 sec



	86076.00	86204.00	86332.00	86460.00	Freq (MHz)	All
	-72.9	-50.2	-78.1	-60.1	Phase	-63.6
	0.2	0.2	0.1	0.2	Ampl.	0.2
	14657.6	15127.1	9324.8	5522.1	Sbd box	12562.9
U/L	586/586	586/586	586/586	586/586	APs used	
Z	1000	1000	1000	1000	PC freqs	
X	1000	1000	1000	1000	PC freqs	
Z:X	0:0	0:0	0:0	0:0	PC phase	
Z:X	0:0	0:0	0:0	0:0	Mani PC	
Z	1000	1000	1000	1000	PC amp	
X	1000	1000	1000	1000		
Z	W00UR,W00LR	W01UR,W01LR	W02UR,W02LR	W03UR,W03LR	Chan ids	
X	W00UL,W00LL	W01UL,W01LL	W02UL,W02LL	W03UL,W03LL	Tracks	
					Chan ids	
					Tracks	
Group delay (usec)(sbd)	-1.54587182593E+03	Apriori delay (usec)	-1.56293863359E+03	Resid mbdelay (usec)	4.30766E-03	+/- 1.6E-04
Sband delay (usec)	-1.54586879909E+03	Apriori clock (usec)	-2.2068655E+01	Resid sbdelay (usec)	1.70698E+01	+/- 6.4E-04
Phase delay (usec)	-1.56293863564E+03	Apriori clockrate (us/s)	-6.2399998E-07	Resid phdelay (usec)	-2.05008E-06	+/- 2.7E-07
Delay rate (us/s)	1.59191225750E-02	Apriori rate (us/s)	1.59098753127E-02	Resid rate (us/s)	9.24726E-06	+/- 3.2E-09
Total phase (deg)	333.4	Apriori accel (us/s/s)	1.01100557897E-05	Resid phase (deg)	296.4	+/- 8.5

ph/seg (deg) 60.3 55.0 Amplitude 0.191 +/- 0.028 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5

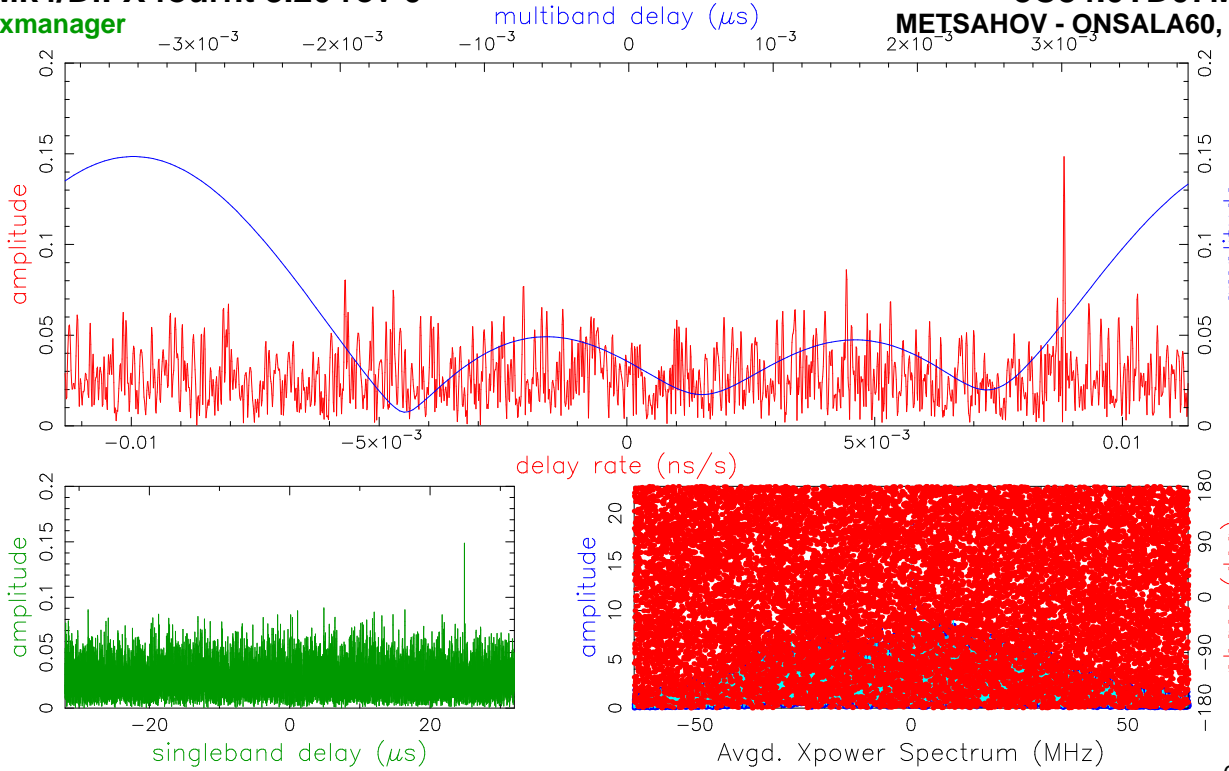
amp/seg (%) 103.1 96.0 Search (2048X16) 0.139 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -32.000 32.000

ph/frq (deg) 15.6 17.0 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.004 0.004

amp/frq (%) 17.3 29.6 Inc. seg. avg. 0.205 Sample rate(MSamp/s): 128 Data rate(Mb/s): 2048 nlags: 8192 t_cohere infinite dr window (ns/s) -0.011 0.011

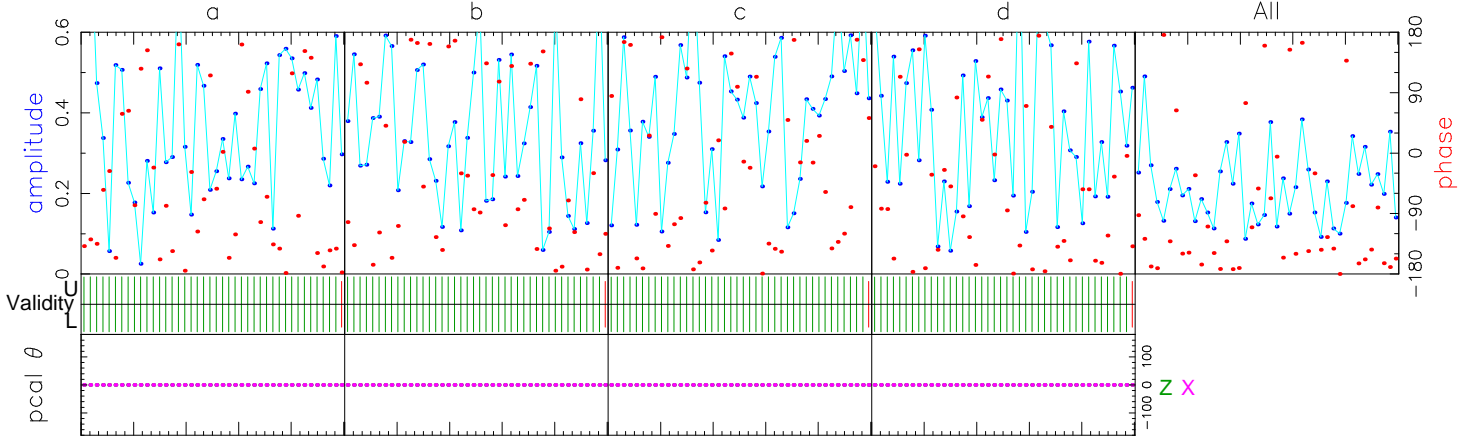
Z: az 287.5 el 39.1 pa 39.2 X: az 280.7 el 44.7 pa 44.9 u,v (fr/asec) -107.344 875.005 ion window (TEC) 0.00 0.00

Control file: cf_1234_gmva Input file: /Exps/t192a/FRINGE/1234/No0002/ZX..0TD07M Output file: /Exps/t192a/FRINGE/1234/No0002/ZX.W.23.0TD07M simultaneous interpolator



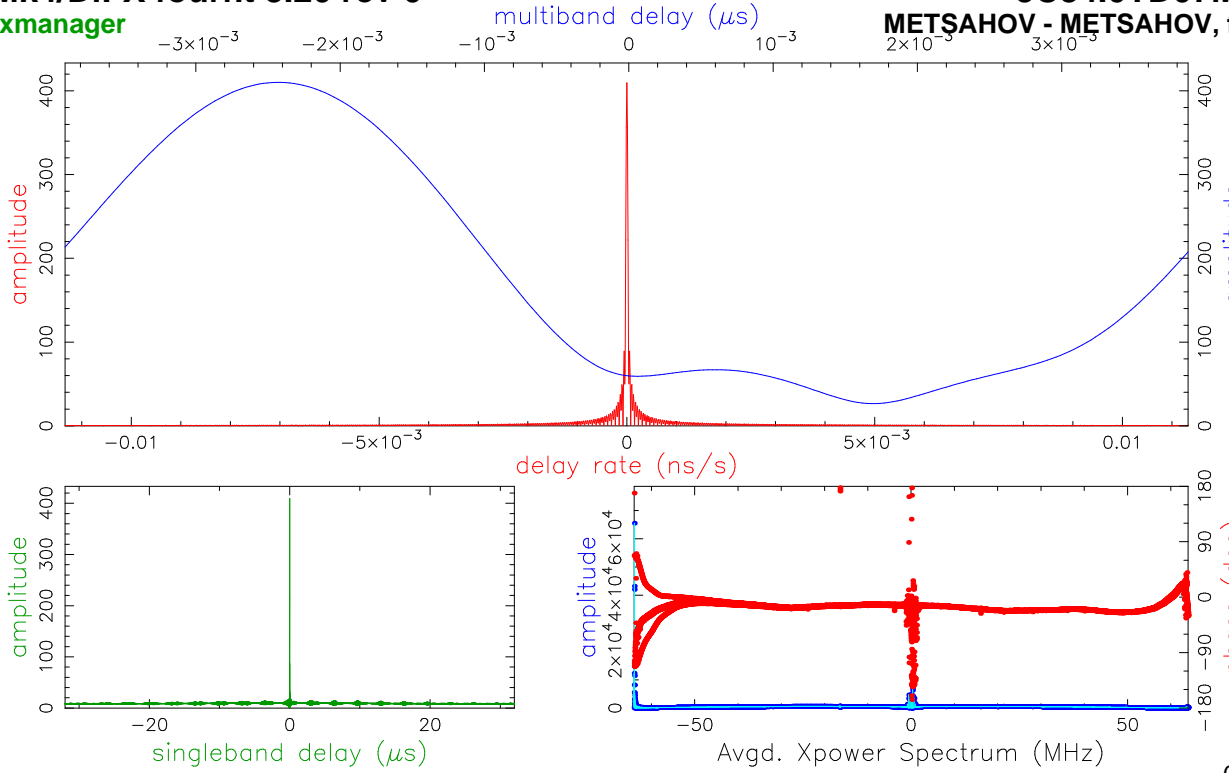
Fringe quality 0
SNR 7.3
Int time 299.631
Amp 0.200
Phase 214.6
PFD 1.6e-03
Delays (us)
SBD 24.896465
MBD 0.004338
Fringe rate (Hz)
0.760359
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512
Exp. t192a
Exper # 16383
Yr:day 2019:263
Start 071500.00
Stop 072000.03
FRT 071730.00
Corr/FF/build
2019:263:102137
2019:263:103542
2019:253:110249
RA & Dec (J2000)
03h19m48.160095s
+41°30'42.104042"

Amp. and Phase vs. time for each freq., 42 segs, 14 APs / seg (7.17 sec / seg.), time ticks 10 sec



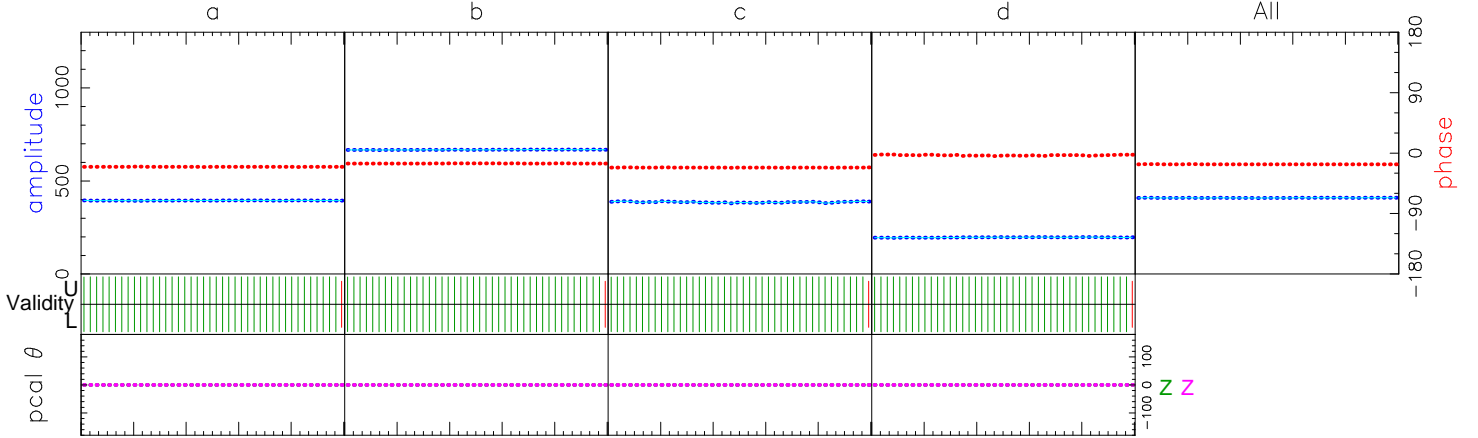
86076.00	86204.00	86332.00	86460.00	86600.00	86738.00	86876.00
-145.3	-149.6	-148.1	-138.0	-145.4	-145.4	-145.4
0.3	0.2	0.2	0.2	0.2	0.2	0.2
14566.5	12090.7	3438.0	9439.2	14566.5	14566.5	14566.5
U/L 586/586	586/586	586/586	586/586	586/586	586/586	586/586
Z 1000	1000	1000	1000	1000	1000	1000
X 1000	1000	1000	1000	1000	1000	1000
Z:X 0:0	0:0	0:0	0:0	0:0	0:0	0:0
Z:X 0:0	0:0	0:0	0:0	0:0	0:0	0:0
Z 1000	1000	1000	1000	1000	1000	1000
X 1000	1000	1000	1000	1000	1000	1000
Z W00UL,W00LL	W01UL,W01LL	W02UL,W02LL	W03UL,W03LL	W04UL,W04LL	W05UL,W05LL	W06UL,W06LL
X W00UL,W00LL	W01UL,W01LL	W02UL,W02LL	W03UL,W03LL	W04UL,W04LL	W05UL,W05LL	W06UL,W06LL
Group delay (usec)(sbd)	-1.53804367074E+03	Apriori delay (usec)	-1.56293863359E+03	Resid mbdelay (usec)	4.33784E-03	+/- 1.5E-04
Sband delay (usec)	-1.53804216859E+03	Apriori clock (usec)	-2.2068655E+01	Resid sbdelay (usec)	2.48965E+01	+/- 5.9E-04
Phase delay (usec)	-1.56293863828E+03	Apriori clockrate (us/s)	-6.2399998E-07	Resid phdelay (usec)	-4.69017E-06	+/- 2.5E-07
Delay rate (us/s)	1.59187023216E-02	Apriori rate (us/s)	1.59098753127E-02	Resid rate (us/s)	8.82701E-06	+/- 2.9E-09
Total phase (deg)	251.6	Apriori accel (us/s/s)	1.01100557897E-05	Resid phase (deg)	214.6	+/- 7.9

ph/seg (deg) 58.1 51.0 Theor. Amplitude 0.200 +/- 0.027 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
amp/seg (%) 72.2 89.0 Search (2048X16) 0.145 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -32.000 32.000
ph/frq (deg) 6.3 15.7 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.004 0.004
amp/frq (%) 17.8 27.5 Inc. seg. avg. 0.203 Sample rate(MSamp/s): 128 dr window (ns/s) -0.011 0.011
Z: az 287.5 el 39.1 pa 39.2 X: az 280.7 el 44.7 pa 44.9 u,v (fr/asec) -107.344 875.005 Data rate(Mb/s): 2048 nlags: 8192 t_cohere infinite ion window (TEC) 0.00 0.00
Control file: cf_1234_gmva Input file: /Exps/t192a/FRINGE/1234/No0002/ZX..0TD07M Output file: /Exps/t192a/FRINGE/1234/No0002/ZX.W.6.0TD07M simultaneous interpolator



Fringe quality 8
 SNR 20511.9
 Int time 299.708
 Amp 433.270
 Phase -16.7
 PFD 0.0e+00
 Delays (us)
 SBD -0.001751
 MBD -0.002500
 Fringe rate (Hz)
 0.000002
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512
 Exp. t192a
 Exper # 16383
 Yr:day 2019:263
 Start 071500.00
 Stop 072000.03
 FRT 071730.00
 Corr/FF/build
 2019:263:102137
 2019:263:103706
 2019:253:110249
 RA & Dec (J2000)
 03h19m48.160095s
 +41°30'42.104042"

Amp. and Phase vs. time for each freq., 42 segs, 14 APs / seg (7.17 sec / seg.), time ticks 10 sec

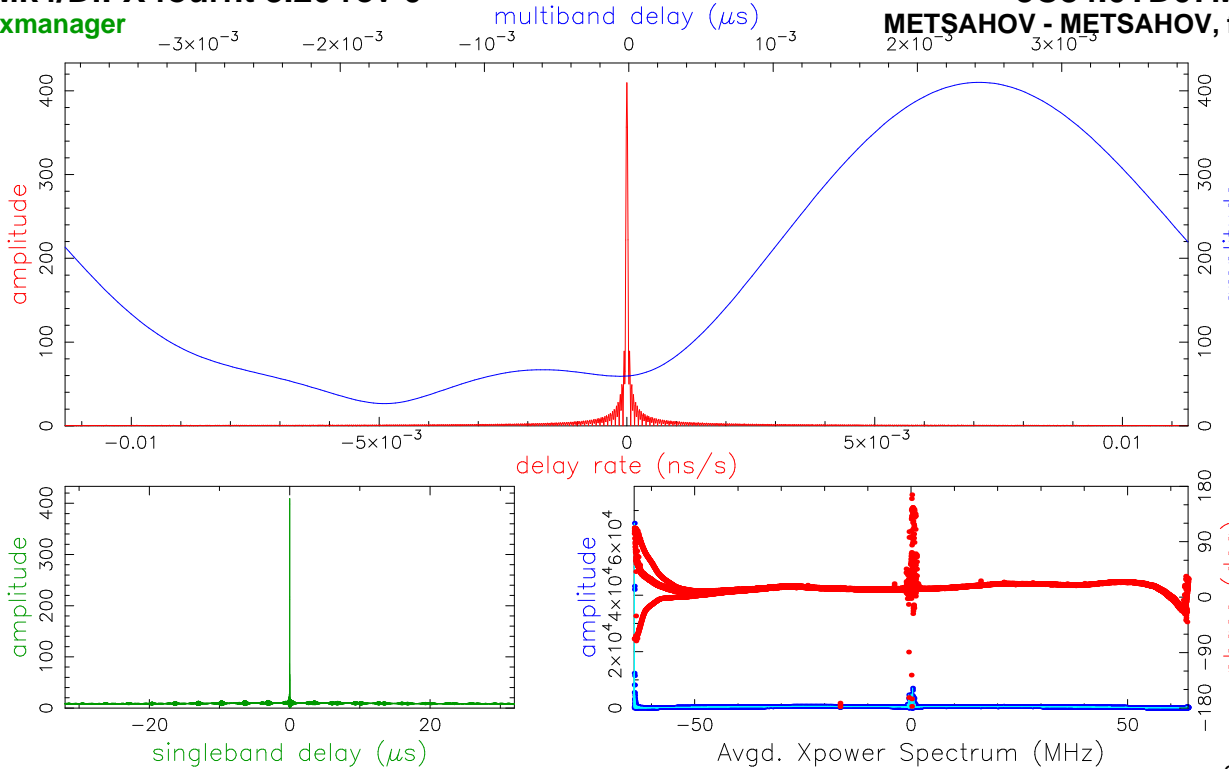


	86076.00	86204.00	86332.00	86460.00	Freq (MHz)	All
	-20.5	-15.5	-21.6	-3.2	Phase	-16.7
	394.9	667.7	386.4	197.0	Ampl.	411.5
	8192.7	8192.3	8192.5	8193.0	Sbd box	8192.6
U/L	586/586	586/586	586/586	586/586	APs used	
Z	1000	1000	1000	1000	PC freqs	
Z	1000	1000	1000	1000	PC freqs	
Z:Z	0:0	0:0	0:0	0:0	PC phase	
Z:Z	0:0	0:0	0:0	0:0	Manl PC	
Z	1000	1000	1000	1000	PC amp	
Z	1000	1000	1000	1000		
Z	W00UL,W00LL	W01UL,W01LL	W02UL,W02LL	W03UL,W03LL	Chan ids	
Z	W00UR,W00LR	W01UR,W01LR	W02UR,W02LR	W03UR,W03LR	Tracks	
					Chan ids	
					Tracks	

Group delay (usec)(sbd)	-2.49996875000E-03	Apriori delay (usec)	0.00000000000E+00	Resid mbdelay (usec)	-2.49997E-03	+/-	5.4E-08
Sband delay (usec)	-1.75150000000E-03	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	-1.75150E-03	+/-	2.1E-07
Phase delay (usec)	-5.37016535814E-07	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	-5.37017E-07	+/-	9.0E-11
Delay rate (us/s)	1.91310557288E-11	Apriori rate (us/s)	0.00000000000E+00	Resid rate (us/s)	1.91311E-11	+/-	1.0E-12
Total phase (deg)		Apriori accel (us/s/s)	0.00000000000E+00	Resid phase (deg)	-16.7	+/-	0.0

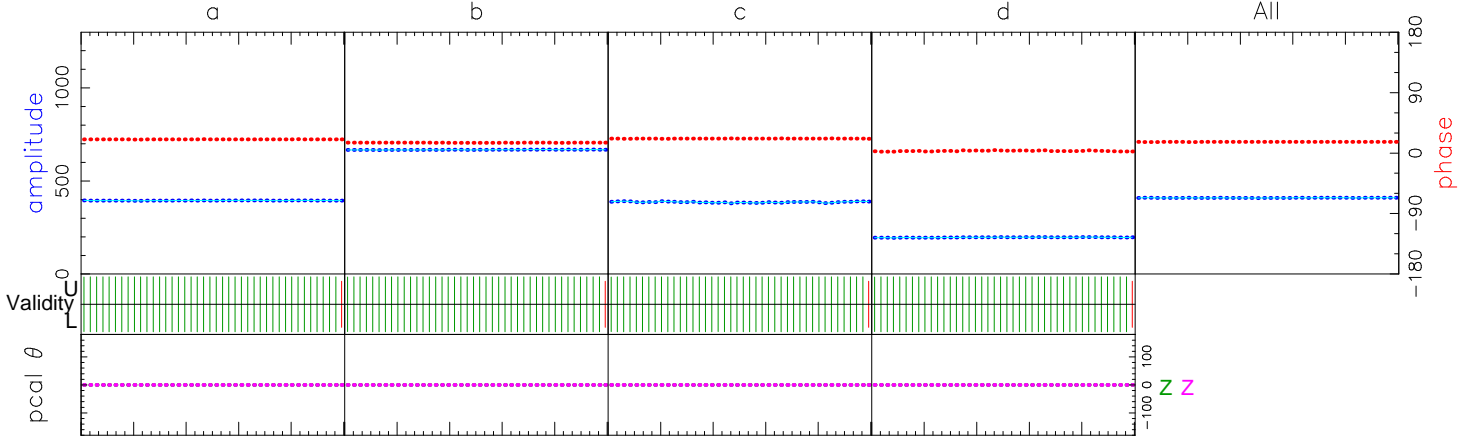
ph/seg (deg)	0.0	Theor.	Amplitude	433.270 +/- 0.021	Pcal mode: MANUAL, MANUAL	PC period (AP's)	5, 5	
amp/seg (%)	5.5	0.0	Search (2048X16)	410.143	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us)	-32.000 32.000	
ph/frq (deg)	10.5	0.0	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	mb window (us)	-0.004 0.004
amp/frq (%)	39.0	0.0	Inc. seg. avg.	409.553	Sample rate(MSamp/s): 128	ion window (TEC)	0.00 0.00	
			Inc. frq. avg.	411.511	Data rate(Mb/s): 2048	nlags: 8192 t_cohere infinite		

Z: az 287.5 el 39.1 pa 39.2 Z: az 287.5 el 39.1 pa 39.2 u,v (fr/asec) 0.000 0.000 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/t192a/FRINGE/1234/No0002/ZZ..0TD07M Output file: /Exps/t192a/FRINGE/1234/No0002/ZZ.W.15.0TD07M



Fringe quality 8
 SNR 20511.9
 Int time 299.708
 Amp 433.270
 Phase 16.7
 PFD 0.0e+00
 Delays (us)
 SBD 0.001751
 MBD 0.002500
 Fringe rate (Hz)
 -0.000002
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512
 Exp. t192a
 Exper # 16383
 Yr:day 2019:263
 Start 071500.00
 Stop 072000.03
 FRT 071730.00
 Corr/FF/build
 2019:263:102137
 2019:263:103749
 2019:253:110249
 RA & Dec (J2000)
 03h19m48.160095s
 +41°30'42.104042"

Amp. and Phase vs. time for each freq., 42 segs, 14 APs / seg (7.17 sec / seg.), time ticks 10 sec

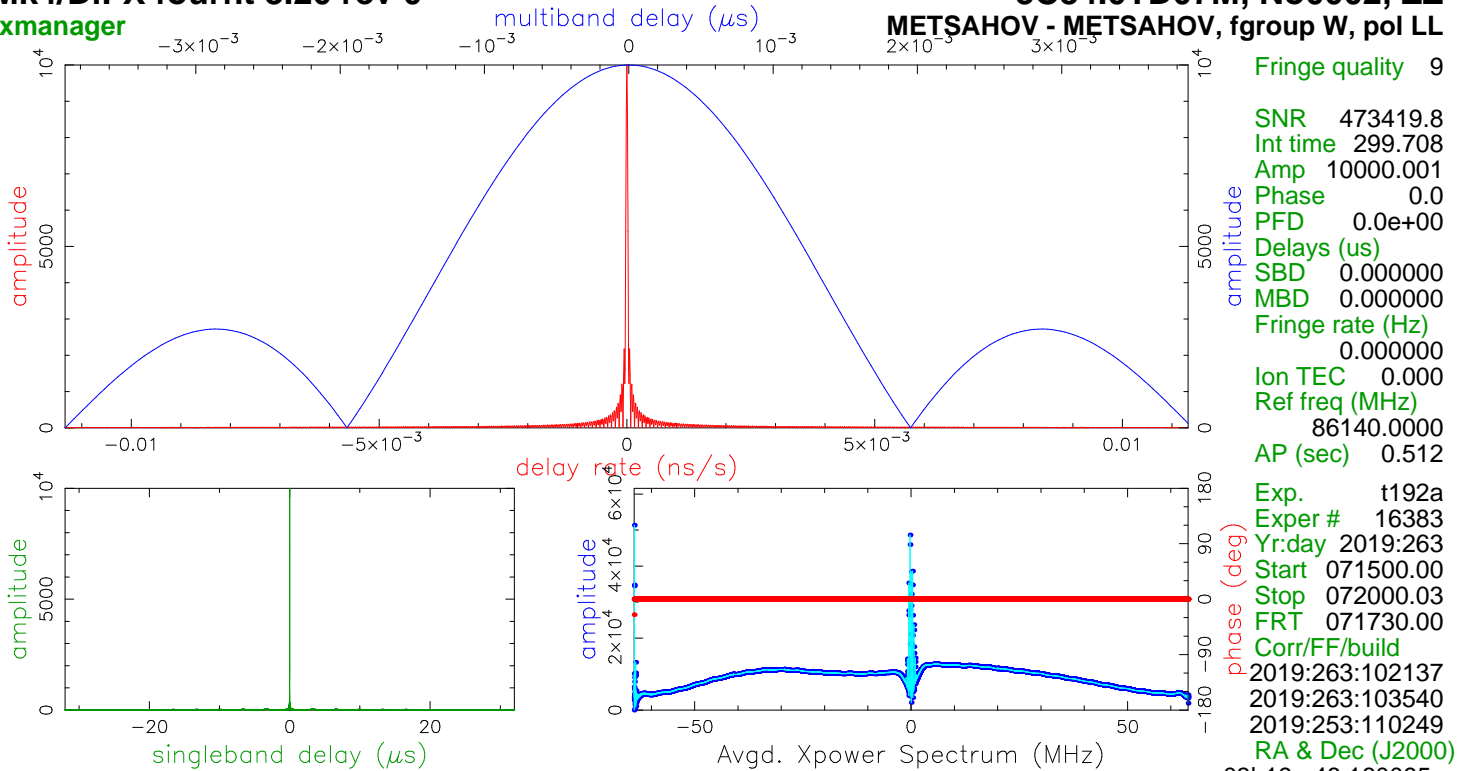


	86076.00	86204.00	86332.00	86460.00	Freq (MHz)	All
U/L	586/586	586/586	586/586	586/586		
Z	1000	1000	1000	1000	Phase	16.7
Z:Z	0:0	0:0	0:0	0:0	Ampl.	411.5
Z:Z	0:0	0:0	0:0	0:0	Sbd box	8193.4
Z	1000	1000	1000	1000	APs used	
Z	1000	1000	1000	1000	PC freqs	
Z	W00UR,W00LR	W01UR,W01LR	W02UR,W02LR	W03UR,W03LR	PC phase	
Z	W00UL,W00LL	W01UL,W01LL	W02UL,W02LL	W03UL,W03LL	Mani PC	
					PC amp	
					Chan ids	
					Tracks	
					Chan ids	
					Tracks	

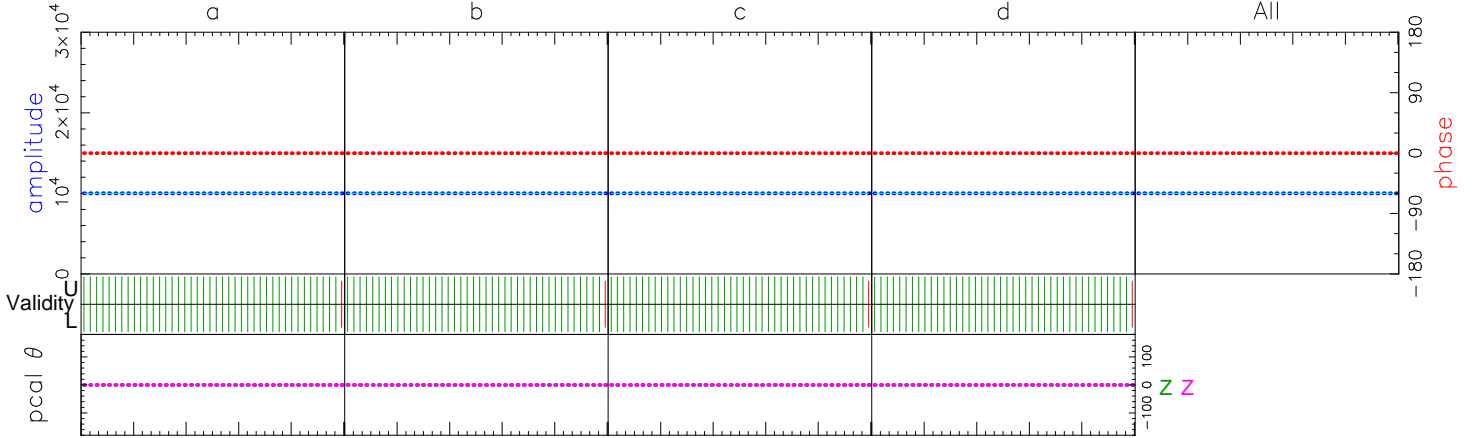
Group delay (usec)(sbd)	2.49996875000E-03	Apriori delay (usec)	0.00000000000E+00	Resid mbdelay (usec)	2.49997E-03	+/-	5.4E-08
Sband delay (usec)	1.75150000000E-03	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	1.75150E-03	+/-	2.1E-07
Phase delay (usec)	5.37016535787E-07	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	5.37017E-07	+/-	9.0E-11
Delay rate (us/s)	-1.91310557288E-11	Apriori rate (us/s)	0.00000000000E+00	Resid rate (us/s)	-1.91311E-11	+/-	1.0E-12
Total phase (deg)	16.7	Apriori accel (us/s/s)	0.00000000000E+00	Resid phase (deg)	16.7	+/-	0.0

ph/seg (deg)	0.0	Theor.	0.0	Amplitude	433.270 +/- 0.021	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5
amp/seg (%)	5.5	0.0	Search (2048X16)	410.143		Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-32.000 32.000
ph/frq (deg)	10.5	0.0	Interp.	0.000		Bits/sample:	2x2	SampCntNorm:	enabled
amp/frq (%)	39.0	0.0	Inc. seg. avg.	409.553		Sample rate(MSamp/s):	128	mb window (us)	-0.004 0.004
			Inc. frq. avg.	411.511		Data rate(Mb/s):	2048	dr window (ns/s)	-0.011 0.011
								ion window (TEC)	0.00 0.00

Z: az 287.5 el 39.1 pa 39.2 Z: az 287.5 el 39.1 pa 39.2 u,v (fr/asec) 0.000 0.000 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/t192a/FRINGE/1234/No0002/ZZ..0TD07M Output file: /Exps/t192a/FRINGE/1234/No0002/ZZ.W.21.0TD07M



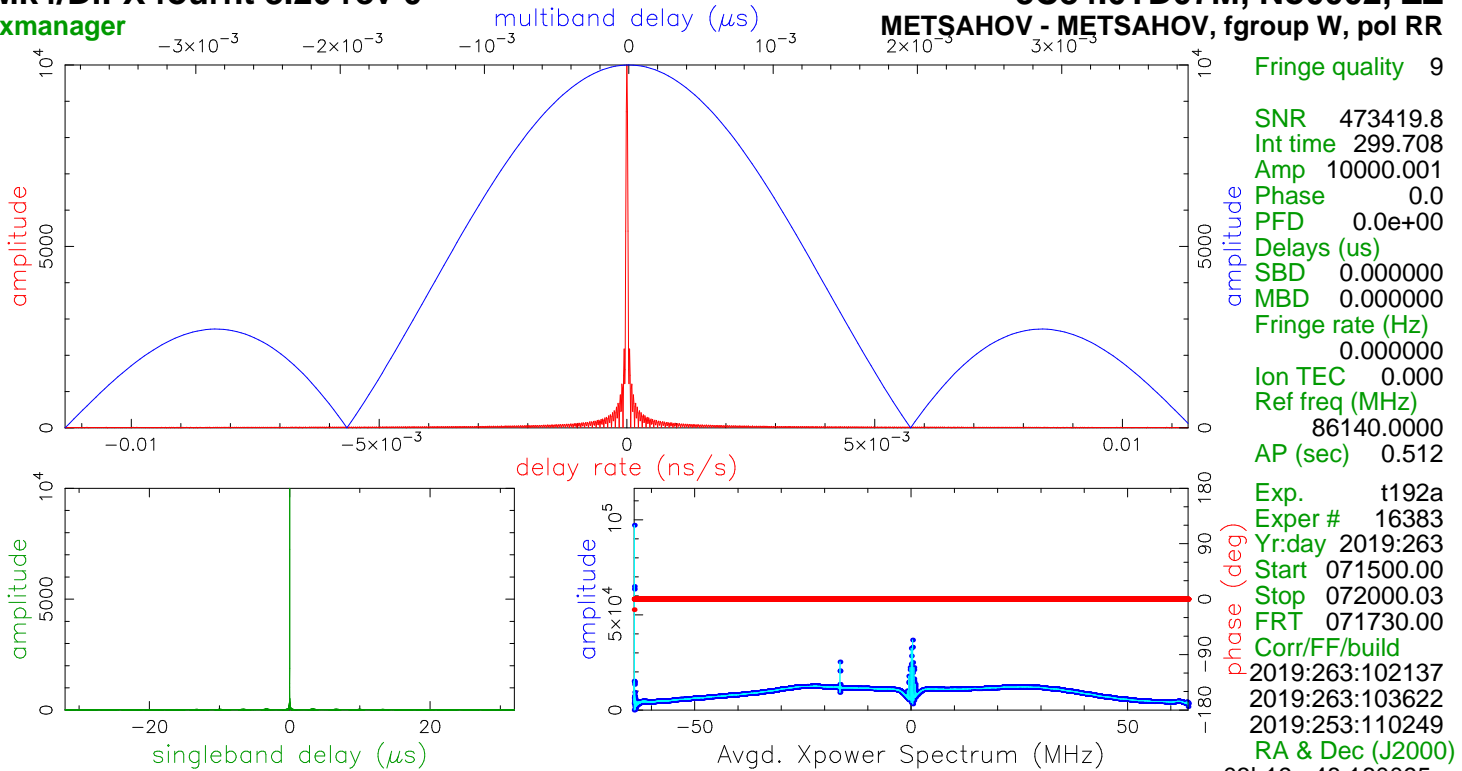
Amp. and Phase vs. time for each freq., 42 segs, 14 APs / seg (7.17 sec / seg.), time ticks 10 sec



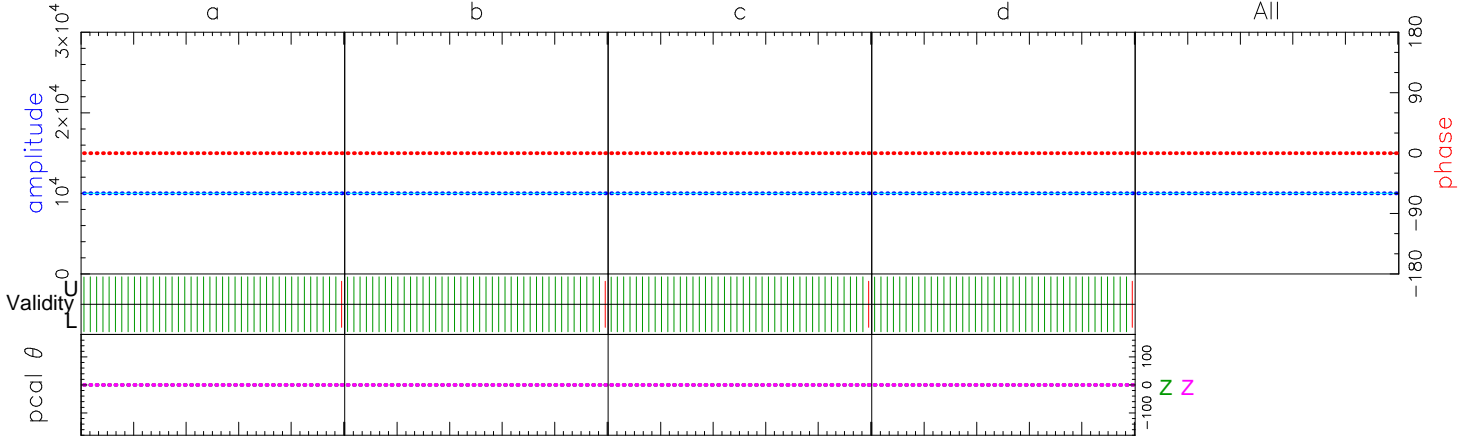
	86076.00	86204.00	86332.00	86460.00	Freq (MHz)	All
U/L	586/586	586/586	586/586	586/586		
Z	1000	1000	1000	1000	APs used	
Z:Z	0:0	0:0	0:0	0:0	PC freqs	
Z:Z	0:0	0:0	0:0	0:0	PC phase	
Z	1000	1000	1000	1000	Mani PC	
Z	1000	1000	1000	1000	PC amp	
Z	W00UL,W00LL	W01UL,W01LL	W02UL,W02LL	W03UL,W03LL	Chan ids	
Z	W00UL,W00LL	W01UL,W01LL	W02UL,W02LL	W03UL,W03LL	Tracks	

Group delay (usec)(sbd)	0.0000000000E+00	Apriori delay (usec)	0.0000000000E+00	Resid mbdelay (usec)	0.00000E+00	+/- 2.3E-09
Sband delay (usec)	0.0000000000E+00	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	0.00000E+00	+/- 9.1E-09
Phase delay (usec)	0.0000000000E+00	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	0.00000E+00	+/- 3.9E-12
Delay rate (us/s)	0.0000000000E+00	Apriori rate (us/s)	0.0000000000E+00	Resid rate (us/s)	0.00000E+00	+/- 4.5E-14
Total phase (deg)	0.0	Apriori accel (us/s/s)	0.0000000000E+00	Resid phase (deg)	0.0	+/- 0.0

ph/seg (deg)	0.0	Theor.	0.0	Amplitude	10000.001 +/- 0.021	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5
amp/seg (%)	0.0	0.0	0.0	Search (2048X16)	10000.001	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us) -32.000 32.000
ph/frq (deg)	0.0	0.0	0.0	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled
amp/frq (%)	0.0	0.0	0.0	Inc. seg. avg.	10000.000	Sample rate(MSamp/s): 128	mb window (us) -0.004 0.004
				Inc. frq. avg.	10000.001	Data rate(Mb/s): 2048	dr window (ns/s) -0.011 0.011
						nlags: 8192 t_cohere infinite	ion window (TEC) 0.00 0.00



Amp. and Phase vs. time for each freq., 42 segs, 14 APs / seg (7.17 sec / seg.), time ticks 10 sec



	86076.00	86204.00	86332.00	86460.00	Freq (MHz)	All
U/L	586/586	586/586	586/586	586/586		
Z	1000	1000	1000	1000	APs used	
Z:Z	0:0	0:0	0:0	0:0	PC freqs	
Z:Z	0:0	0:0	0:0	0:0	PC phase	
Z	1000	1000	1000	1000	Mani PC	
Z	1000	1000	1000	1000	PC amp	
Z	W00UR,W00LR	W01UR,W01LR	W02UR,W02LR	W03UR,W03LR	Chan ids	
Z	W00UR,W00LR	W01UR,W01LR	W02UR,W02LR	W03UR,W03LR	Tracks	

Group delay (usec)(sbd)	0.0000000000E+00	Apriori delay (usec)	0.0000000000E+00	Resid mbdelay (usec)	0.00000E+00	+/- 2.3E-09
Sband delay (usec)	0.0000000000E+00	Apriori clock (usec)	0.0000000E+00	Resid sbdelay (usec)	0.00000E+00	+/- 9.1E-09
Phase delay (usec)	0.0000000000E+00	Apriori clockrate (us/s)	0.0000000E+00	Resid phdelay (usec)	0.00000E+00	+/- 3.9E-12
Delay rate (us/s)	0.0000000000E+00	Apriori rate (us/s)	0.0000000000E+00	Resid rate (us/s)	0.00000E+00	+/- 4.5E-14
Total phase (deg)	0.0	Apriori accel (us/s/s)	0.0000000000E+00	Resid phase (deg)	0.0	+/- 0.0

ph/seg (deg)	0.0	Theor.	0.0	Amplitude	10000.001 +/- 0.021	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5
amp/seg (%)	0.0	0.0	0.0	Search (2048X16)	10000.001	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us) -32.000 32.000
ph/frq (deg)	0.0	0.0	0.0	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled
amp/frq (%)	0.0	0.0	0.0	Inc. seg. avg.	10000.000	Sample rate(MSamp/s): 128	mb window (us) -0.004 0.004
				Inc. frq. avg.	10000.001	Data rate(Mb/s): 2048	dr window (ns/s) -0.011 0.011
						nlags: 8192 t_cohere infinite	ion window (TEC) 0.00 0.00