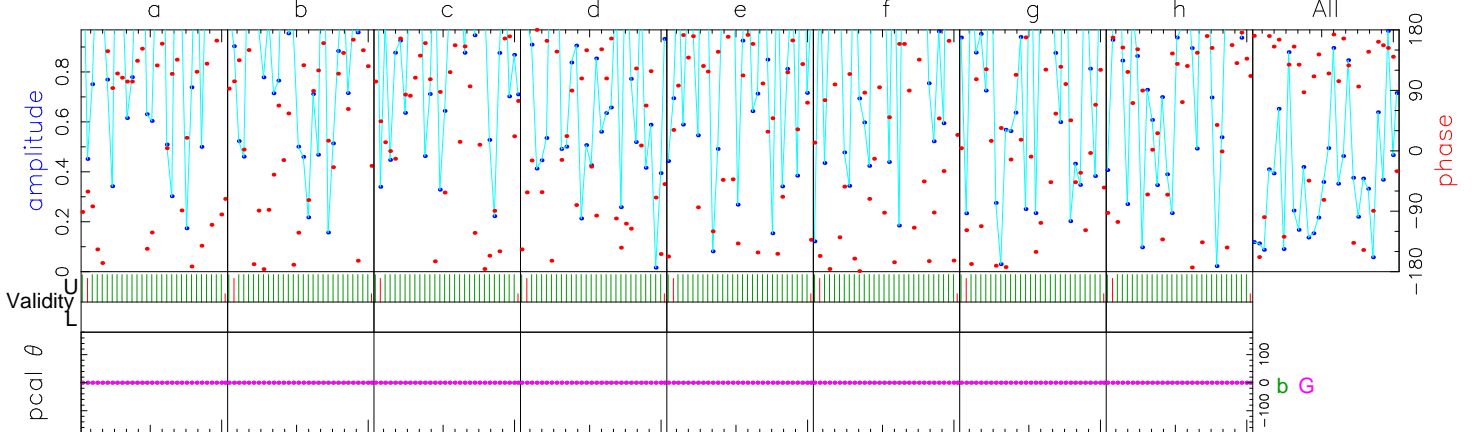


Fringe quality 0
 SNR 6.2
 Int time 59.692
 Amp 0.323
 Phase 152.5
 PFD 4.2e-02
 Delays (us)
 SBD 2.062300
 MBD -0.005605
 Fringe rate (Hz)
 -0.237670
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 1.024
 Exp. c221c
 Exper # 16383
 Yr:day 2022:093
 Start 172001.00
 Stop 172101.41
 FRT 172131.00
 Corr/FF/build
 2022:168:125138
 2022:168:175933
 2021:041:141600
 RA & Dec (J2000)
 02h17m48.954754s
 +01°44'49.699009"

Amp. and Phase vs. time for each freq., 30 segs, 2 APs / seg (2.05 sec / seg.), time ticks 5 sec

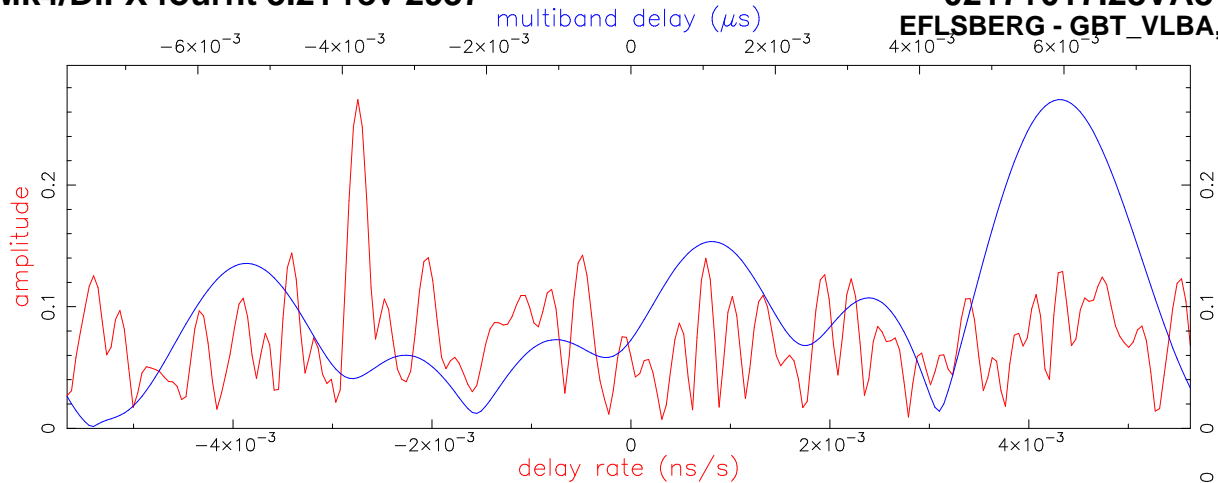


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	165.1	141.4	122.5	-144.9	139.3	170.9	45.9	161.5	Phase	152.5
	0.6	0.4	0.4	0.2	0.5	0.3	0.1	0.5	Ampl.	0.3
	1552.1	425.0	1479.0	651.0	274.1	265.8	926.1	1774.9	Sbd box	1552.9
U/L	59/0	59/0	59/0	59/0	59/0	59/0	59/0	59/0	APs used	
b	0	0	0	0	0	0	0	0	PC freqs	
G	0	0	0	0	0	0	0	0	PC freqs	
b:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
b:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
b	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
G	1000	1000	1000	1000	1000	1000	1000	1000		
b	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
G	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	
									Tracks	
Group delay (usec)(sbd)	-8.65870776432E+03		Apriori delay (usec)		-8.66076465918E+03		Resid mbdelay (usec)		-5.60514E-03	+/- 1.8E-04
Sband delay (usec)	-8.65870235943E+03		Apriori clock (usec)		3.0463459E+01		Resid sbdelay (usec)		2.06230E+00	+/- 1.4E-03
Phase delay (usec)	-8.66076465426E+03		Apriori clockrate (us/s)		9.7300000E-07		Resid phdelay (usec)		4.91806E-06	+/- 6.0E-07
Delay rate (us/s)	4.56565110789E-01		Apriori rate (us/s)		4.56567869907E-01		Resid rate (us/s)		-2.75912E-06	+/- 1.7E-08
Total phase (deg)			Apriori accel (us/s/s)		4.66623285593E-05		Resid phase (deg)		152.5	+/- 18.5

	RMS	Theor.	Amplitude	0.323 +/- 0.052	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5
ph/seg (deg)	62.4	50.8	Search (128X32)	0.286	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us) -4.000 4.000
amp/seg (%)	94.1	88.7	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled
ph/frq (deg)	53.3	26.2	Inc. seg. avg.	0.313	Sample rate(MISamp/s): 128	dr window (ns/s) -0.006 0.006
amp/frq (%)	46.6	45.8	Inc. frq. avg.	0.334	Data rate(Mb/s): 2048	ion window (TEC) 0.00 0.00

Mk4/DiFX fourfit 3.21 rev 2937

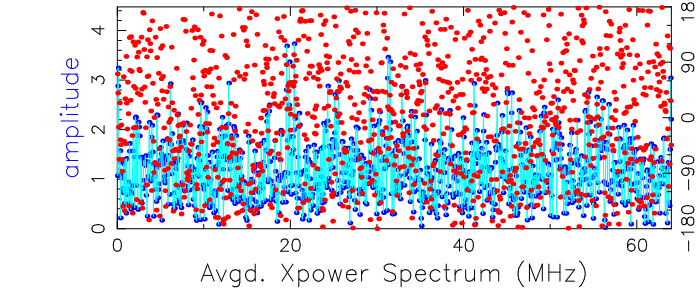
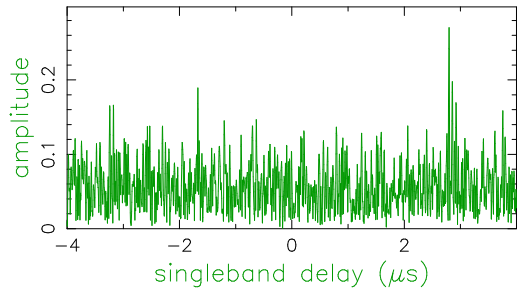
0217+017.28VA81, No0243, BG
EFLSBERG - GBT_VLBA, fgroup W, pol LR



Fringe quality 0

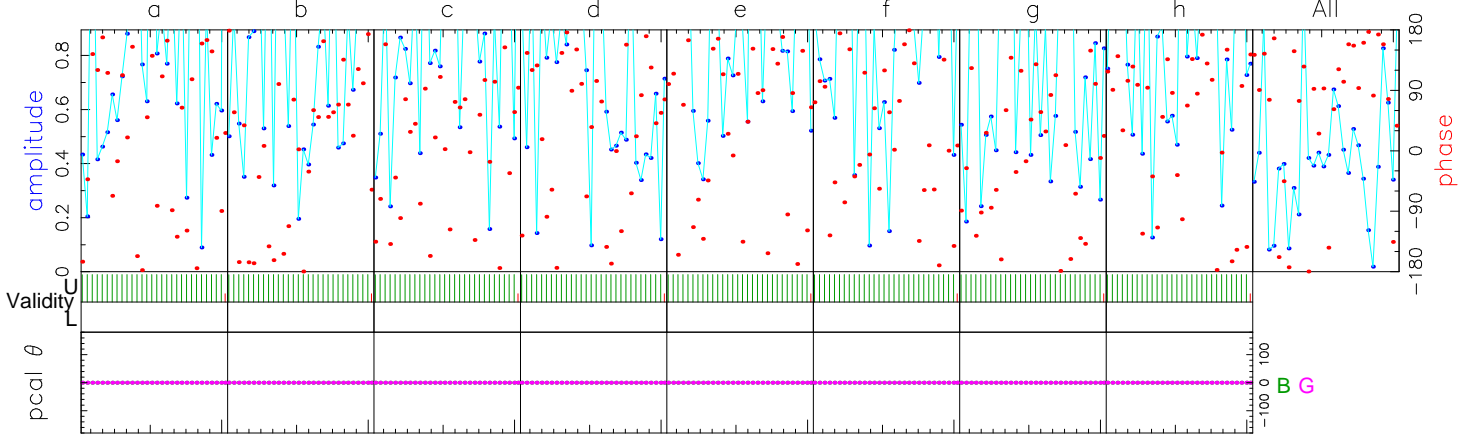
SNR 5.7
Int time 59.977
Amp 0.298
Phase 128.6
PFD 4.7e-01
Delays (us)
SBD 2.796833
MBD 0.005941
Fringe rate (Hz)
-0.236936
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 1.024

Exp. c221c
Exper # 16383
Yr:day 2022:093
Start 172001.00
Stop 172101.41
FRT 172131.00
Corr/FF/build
2022:168:125138
2022:168:175933
2021:041:141600
RA & Dec (J2000)
02h17m48.954754s
+01°44'49.699009"



Avgd. Xpower Spectrum (MHz)

Amp. and Phase vs. time for each freq., 30 segs, 2 APs / seg (2.05 sec / seg.), time ticks 5 sec



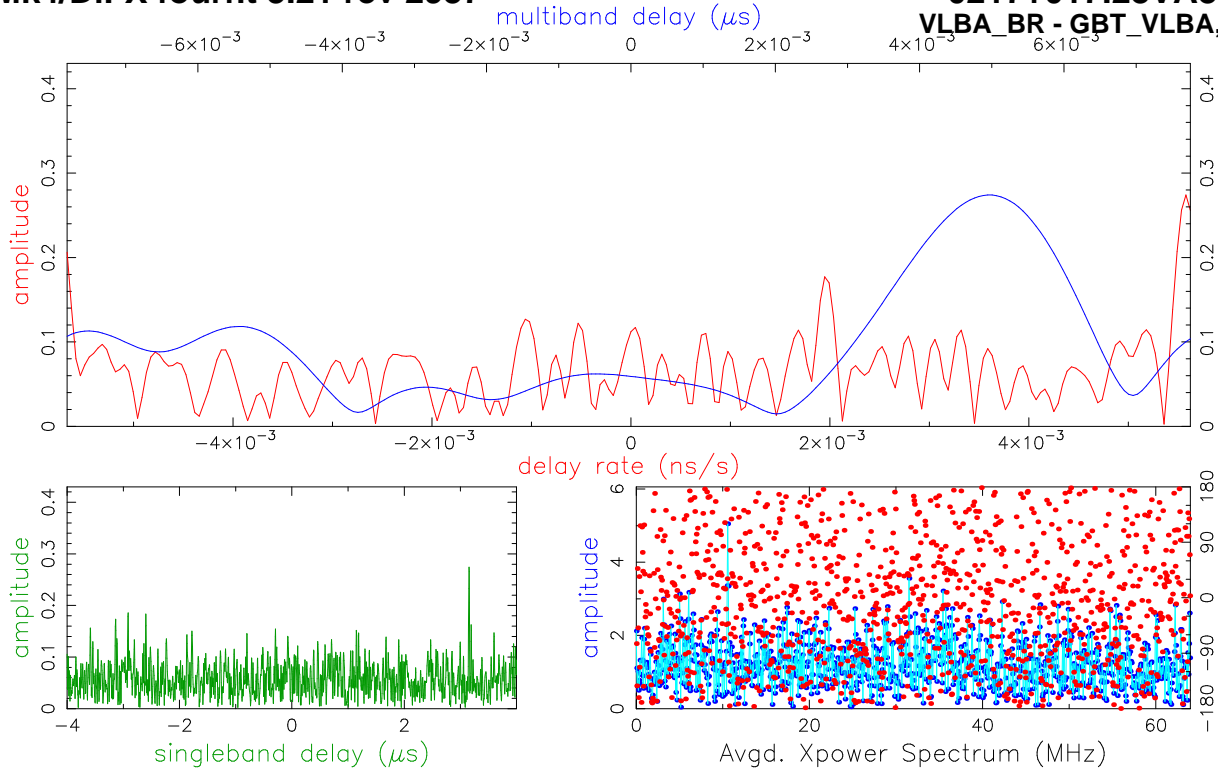
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	151.3	109.8	67.8	130.3	148.0	126.4	126.8	125.1	Phase	128.6
	0.4	0.3	0.3	0.2	0.6	0.2	0.2	0.5	Ampl.	0.3
	1813.9	976.1	841.2	360.3	1740.3	1343.3	1147.5	1422.0	Sbd box	1741.0
U/L	59/0	59/0	59/0	59/0	59/0	59/0	59/0	59/0	APs used	
B	0	0	0	0	0	0	0	0	PC freqs	
G	0	0	0	0	0	0	0	0	PC freqs	
B:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
B:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
G	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
G	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	

Group delay (usec)(sbd)	-9.53430883689E+03	Apriori delay (usec)	-9.53711165328E+03	Resid mbdelay (usec)	5.94139E-03	+/-	1.9E-04
Sband delay (usec)	-9.53431482028E+03	Apriori clock (usec)	-1.4596035E+01	Resid sbdelay (usec)	2.79683E+00	+/-	1.5E-03
Phase delay (usec)	-9.53711164913E+03	Apriori clockrate (us/s)	9.1999975E-08	Resid phdelay (usec)	4.14726E-06	+/-	6.5E-07
Delay rate (us/s)	-1.35106560997E+00	Apriori rate (us/s)	-1.35106285938E+00	Resid rate (us/s)	-2.75059E-06	+/-	1.9E-08
Total phase (deg)	-164.1	Apriori accel (us/s/s)	5.11814675256E-05	Resid phase (deg)	128.6	+/-	20.0

ph/seg (deg)	59.3	Theor.	54.8	Amplitude	0.298 +/- 0.052	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5		
amp/seg (%)	106.1	Search (128X32)	0.263	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-4.000	4.000			
ph/frq (deg)	28.8	Inc. seg. avg.	0.322	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.008	0.008		
amp/frq (%)	54.0	Inc. frq. avg.	0.290	Sample rate (MSamp/s):	128	nlags:	1024	t_cohere infinite	ion window (TEC)	0.00	0.00

B: az 250.7 el 17.6 pa 36.9 G: az 145.0 el 48.0 pa -26.3 u,v (fr/asec) 7766.358 1469.408 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/3mm/1234/No0243/BG..28VA81 Output file: /Exps/c221c/FRINGE/3mm/1234/No0243/BG.W.13.28VA81

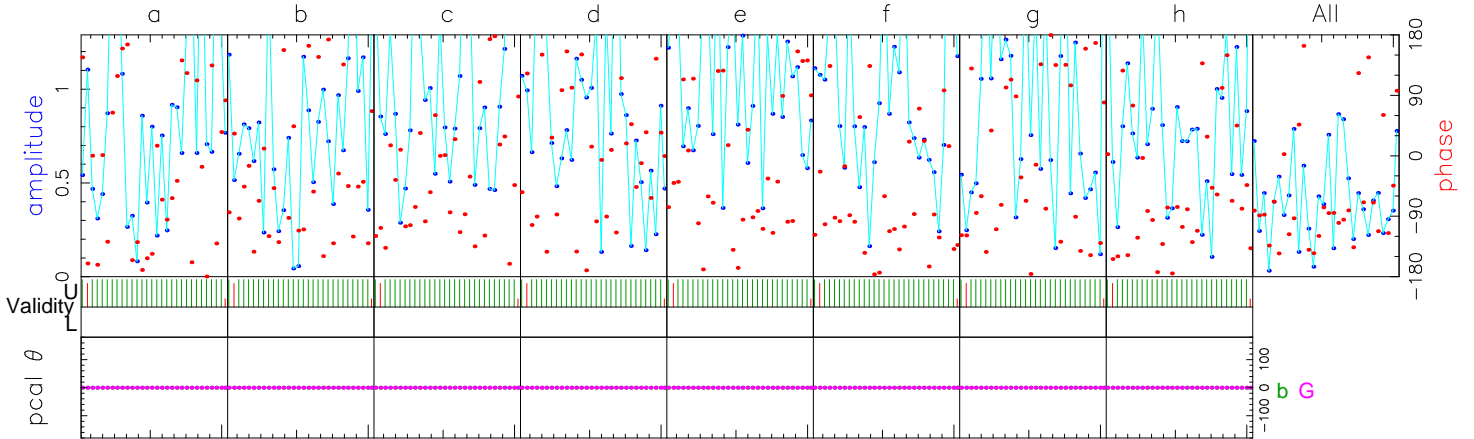


Fringe quality 0

SNR 5.9
 Int time 59.692
 Amp 0.430
 Phase -99.1
 PFD 2.6e-01
 Delays (us)
 SBD 3.153684
 MBD 0.004988
 Fringe rate (Hz)
 0.482060
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 1.024

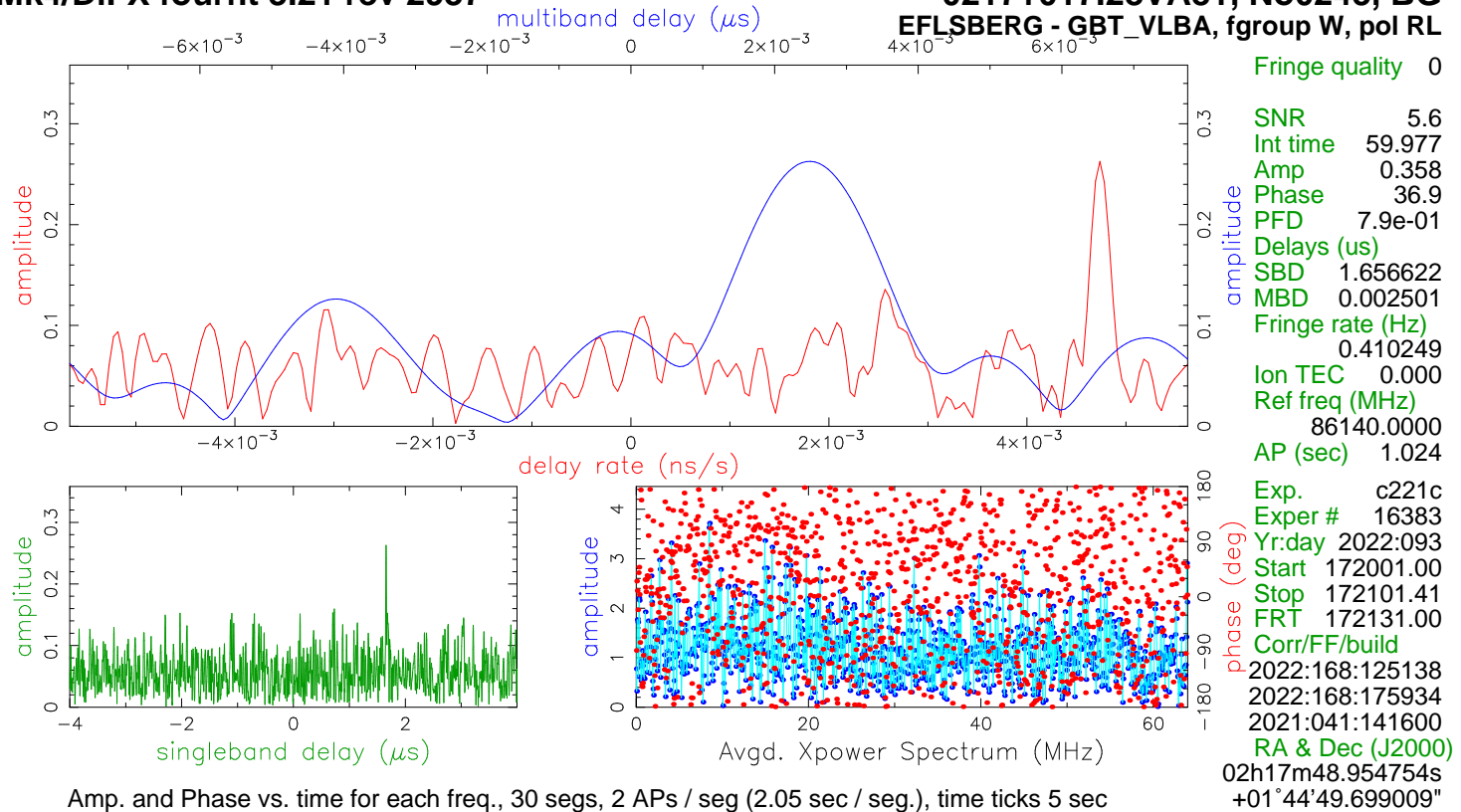
Exp. c221c
 Exper # 16383
 Yr:day 2022:093
 Start 172001.00
 Stop 172101.41
 FRT 172131.00
 Corr/FF/build
 2022:168:125138
 2022:168:175934
 2021:041:141600
 RA & Dec (J2000)
 02h17m48.954754s
 +01°44'49.699009"

Amp. and Phase vs. time for each freq., 30 segs, 2 APs / seg (2.05 sec / seg.), time ticks 5 sec

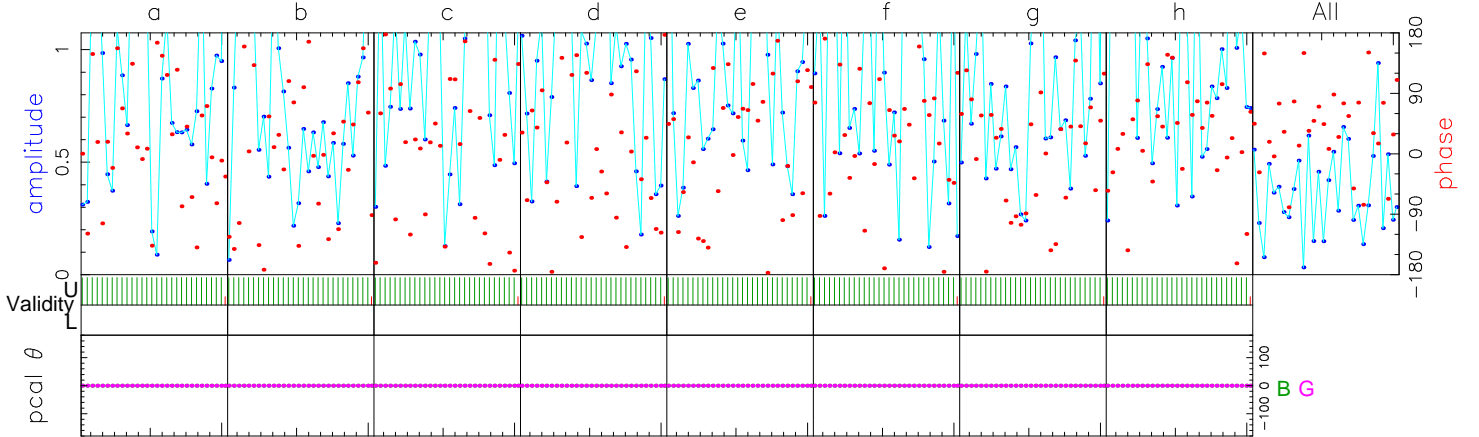


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	171.1	-94.7	-61.3	-109.9	-90.7	-96.8	-129.6	-99.8	Phase	-99.1
	0.3	0.6	0.7	0.3	0.5	0.7	0.4	0.4	Ampl.	0.4
	544.5	1418.8	1832.0	2013.2	983.9	1007.2	1642.8	610.2	Sbd box	1832.3
U/L	59/0	59/0	59/0	59/0	59/0	59/0	59/0	59/0	APs used	
b	0	0	0	0	0	0	0	0	PC freqs	
G	0	0	0	0	0	0	0	0	PC freqs	
b:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
b:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
b	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
G	1000	1000	1000	1000	1000	1000	1000	1000		
b	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
G	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	
									Tracks	
Group delay (usec)(sbd)	-8.65760342147E+03		Apriori delay (usec)		-8.66076465918E+03		Resid mbdelay (usec)		4.98771E-03	+/- 1.9E-04
Sband delay (usec)	-8.65761097543E+03		Apriori clock (usec)		3.0463459E+01		Resid sbdelay (usec)		3.15368E+00	+/- 1.5E-03
Phase delay (usec)	-8.66076466237E+03		Apriori clockrate (us/s)		9.7300000E-07		Resid phdelay (usec)		-3.19485E-06	+/- 6.3E-07
Delay rate (us/s)	4.56573466146E-01		Apriori rate (us/s)		4.56567869907E-01		Resid rate (us/s)		5.59624E-06	+/- 1.8E-08
Total phase (deg)			Apriori accel (us/s/s)		4.66623285593E-05		Resid phase (deg)		-99.1	+/- 19.6

ph/seg (deg) 65.1 53.6 Search (128X32) 0.269 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 94.7 93.5 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -4.000 4.000
 ph/frq (deg) 42.1 27.7 Inc. seg. avg. 0.448 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 38.5 48.3 Inc. frq. avg. 0.439 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 1024 t_cohere infinite dr window (ns/s) -0.006 0.006
 b: az 110.1 el 19.5 pa -38.8 G: az 145.0 el 48.0 pa -26.3 u,v (fr/asec) -2593.410 1206.138 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/3mm/1234/No0243/bG..28VA81 Output file: /Exps/c221c/FRINGE/3mm/1234/No0243/bG.W.15.28VA81



Amp. and Phase vs. time for each freq., 30 segs, 2 APs / seg (2.05 sec / seg.), time ticks 5 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
34.9	56.0	38.1	-15.7	69.7	31.3	32.5	35.6	35.6	Phase	36.9
0.3	0.2	0.3	0.3	0.4	0.5	0.4	0.7	0.7	Ampl.	0.3
1331.7	927.1	1063.4	750.0	1752.0	313.1	532.7	1449.9	1449.9	Sbd box	1449.1
U/L	59/0	59/0	59/0	59/0	59/0	59/0	59/0	59/0	APs used	
B	0	0	0	0	0	0	0	0	PC freqs	
G	0	0	0	0	0	0	0	0	PC freqs	
B:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
B:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
G	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
G	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	

Group delay (usec)(sbd)	-9.53545290278E+03	Apriori delay (usec)	-9.53711165328E+03	Resid mbdelay (usec)	2.50050E-03	+/-	1.9E-04
Sband delay (usec)	-9.53545503128E+03	Apriori clock (usec)	-1.4596035E+01	Resid sbdelay (usec)	1.65662E+00	+/-	1.5E-03
Phase delay (usec)	-9.53711165208E+03	Apriori clockrate (us/s)	9.1999975E-08	Resid phdelay (usec)	1.19133E-06	+/-	6.6E-07
Delay rate (us/s)	-1.35105809680E+00	Apriori rate (us/s)	-1.35106285938E+00	Resid rate (us/s)	4.76258E-06	+/-	1.9E-08
Total phase (deg)		Apriori accel (us/s/s)	5.11814675256E-05	Resid phase (deg)	36.9	+/-	20.6

ph/seg (deg)	RMS 60.0	Theor. 56.3	Amplitude Search (128X32)	0.358 +/- 0.064	0.252	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-4.000	4.000
amp/seg (%)	86.6	98.3	Interp.	0.000	0.000E+00, 0.000E+00 (us/s)	SampCntNorm: enabled	mb window (us)	-0.008	0.008	
ph/frq (deg)	26.7	29.1	Inc. seg. avg.	0.344	Sample rate(MISamp/s): 128	nlags: 1024 t_cohere infinite	dr window (ns/s)	-0.006	0.006	
amp/frq (%)	40.6	50.8	Inc. frq. avg.	0.338	Data rate(Mb/s): 2048	ion window (TEC)	0.00	0.00		

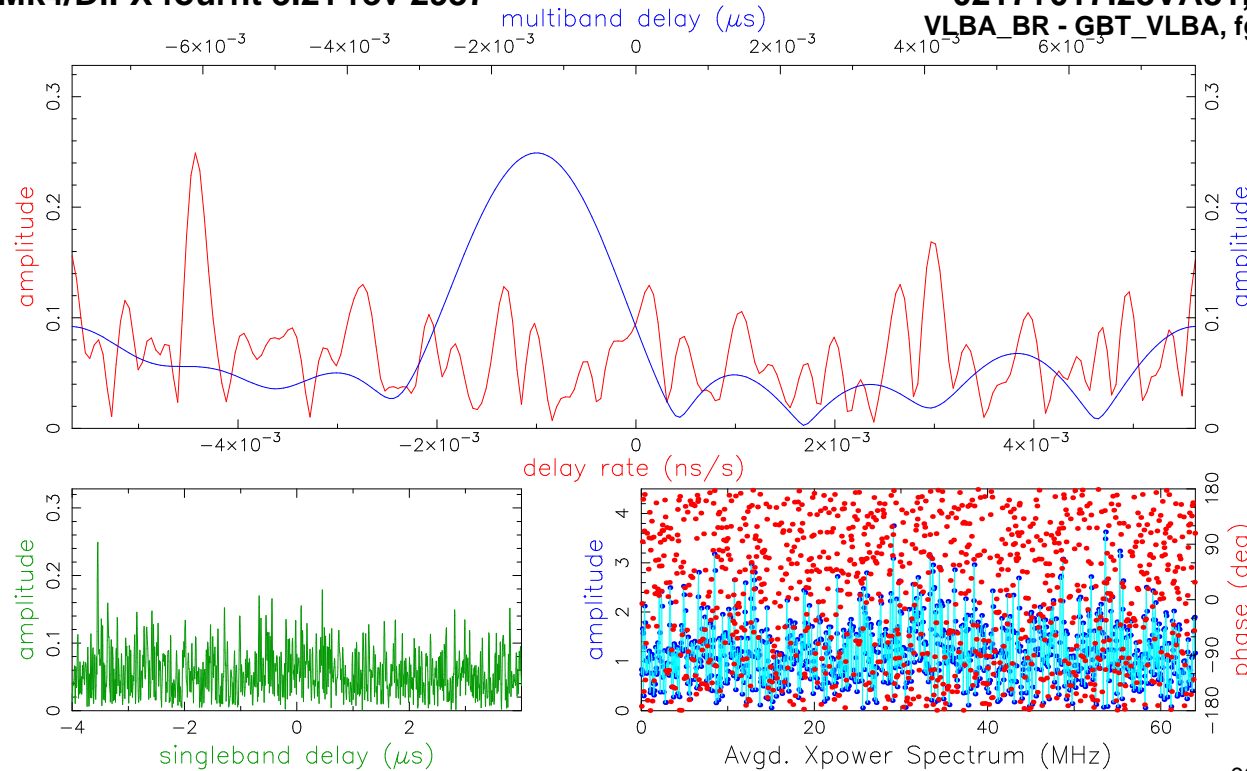
B: az 250.7 el 17.6 pa 36.9 G: az 145.0 el 48.0 pa -26.3 u,v (fr/asec) 7766.358 1469.408 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/3mm/1234/No0243/BG..28VA81 Output file: /Exps/c221c/FRINGE/3mm/1234/No0243/BG.W.17.28VA81

Mk4/DiFX fourfit 3.21 rev 2937

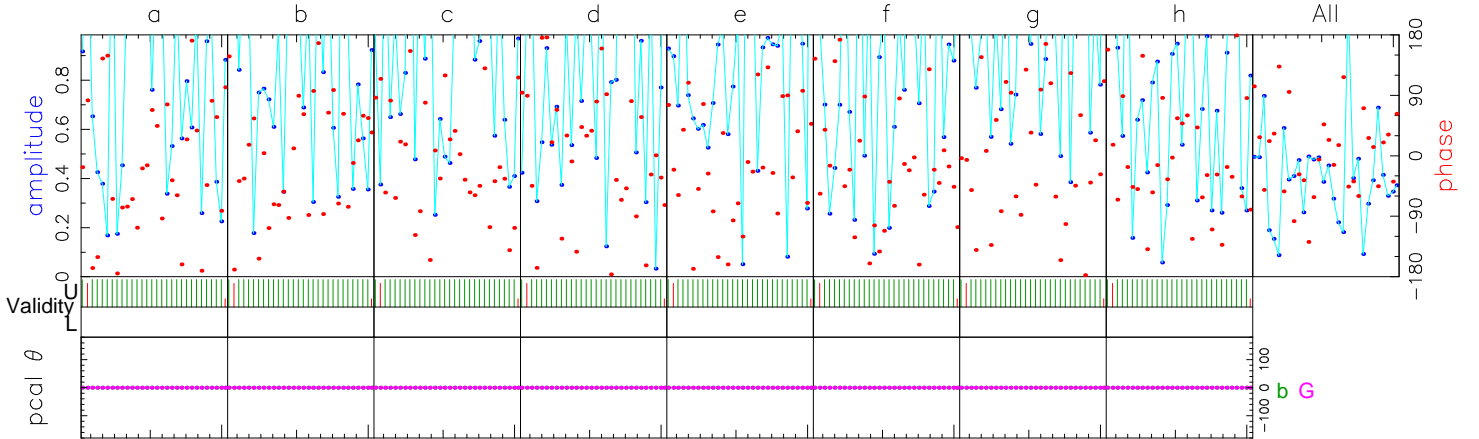
0217+017.28VA81, No0243, bG

VLBA_BR - GBT_VLBA, fgroup W, pol RL



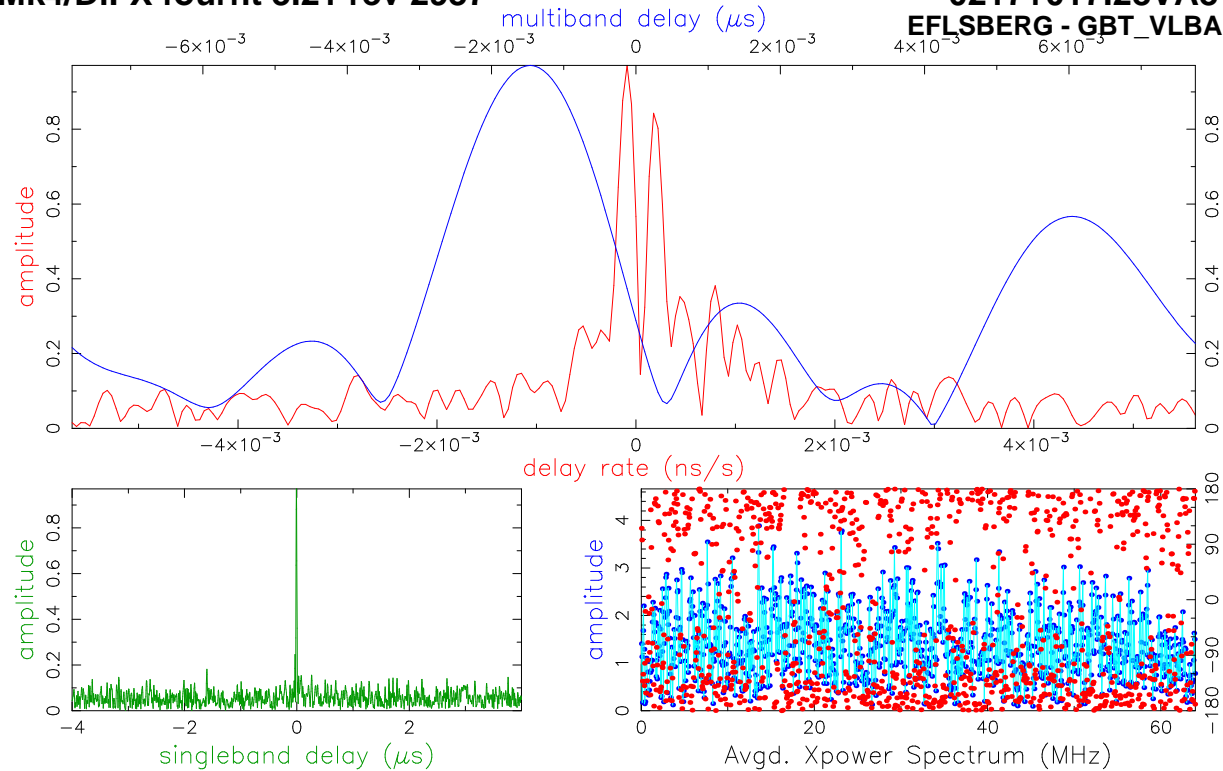
Fringe quality 0
 SNR 5.3
 Int time 59.692
 Amp 0.328
 Phase -18.1
 PFD 1.0e+00
 Delays (us)
 SBD -3.544399
 MBD -0.001402
 Fringe rate (Hz) -0.381066
 Ion TEC 0.000
 Ref freq (MHz) 86140.0000
 AP (sec) 1.024
 Exp. c221c
 Exper # 16383
 Yr:day 2022:093
 Start 172001.00
 Stop 172101.41
 FRT 172131.00
 Corr/FF/build
 2022:168:125138
 2022:168:175935
 2021:041:141600
 RA & Dec (J2000)
 02h17m48.954754s
 +01°44'49.699009"

Amp. and Phase vs. time for each freq., 30 segs, 2 APs / seg (2.05 sec / seg.), time ticks 5 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-31.2	-2.3	-34.7	6.0	-0.3	-35.8	-4.2	-22.1	Phase	-18.1
	0.4	0.2	0.4	0.2	0.5	0.4	0.2	0.4	Ampl.	0.3
	764.4	897.3	161.7	1705.2	1232.3	772.7	12.9	1140.5	Sbd box	117.6
U/L	59/0	59/0	59/0	59/0	59/0	59/0	59/0	59/0	APs used	
b	0	0	0	0	0	0	0	0	PC freqs	
G	0	0	0	0	0	0	0	0	PC freqs	
b:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
b:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
b	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
G	1000	1000	1000	1000	1000	1000	1000	1000		
b	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
G	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	
									Tracks	
Group delay (usec)(sbd)	-8.66431293626E+03		Apriori delay (usec)		-8.66076465918E+03		Resid mbdelay (usec)		-1.40208E-03	+/- 2.0E-04
Sband delay (usec)	-8.66430905793E+03		Apriori clock (usec)		3.0463459E+01		Resid sbdelay (usec)		-3.54440E+00	+/- 1.6E-03
Phase delay (usec)	-8.66076465976E+03		Apriori clockrate (us/s)		9.7300000E-07		Resid phdelay (usec)		-5.82695E-07	+/- 6.9E-07
Delay rate (us/s)	4.56563446104E-01		Apriori rate (us/s)		4.56567869907E-01		Resid rate (us/s)		-4.42380E-06	+/- 2.0E-08
Total phase (deg)			Apriori accel (us/s/s)		4.66623285593E-05		Resid phase (deg)		-18.1	+/- 21.5

ph/seg (deg) 65.6 58.9 Search (128X32) 0.245 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 102.6 102.9 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -4.000 4.000
 ph/frq (deg) 18.8 30.4 Inc. seg. avg. 0.348 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 27.9 53.1 Inc. frq. avg. 0.296 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 1024 t_cohere infinite dr window (ns/s) -0.006 0.006
 b: az 110.1 el 19.5 pa -38.8 G: az 145.0 el 48.0 pa -26.3 u,v (fr/asec) -2593.410 1206.138 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/3mm/1234/No0243/bG..28VA81 Output file: /Exps/c221c/FRINGE/3mm/1234/No0243/bG.W.20.28VA81

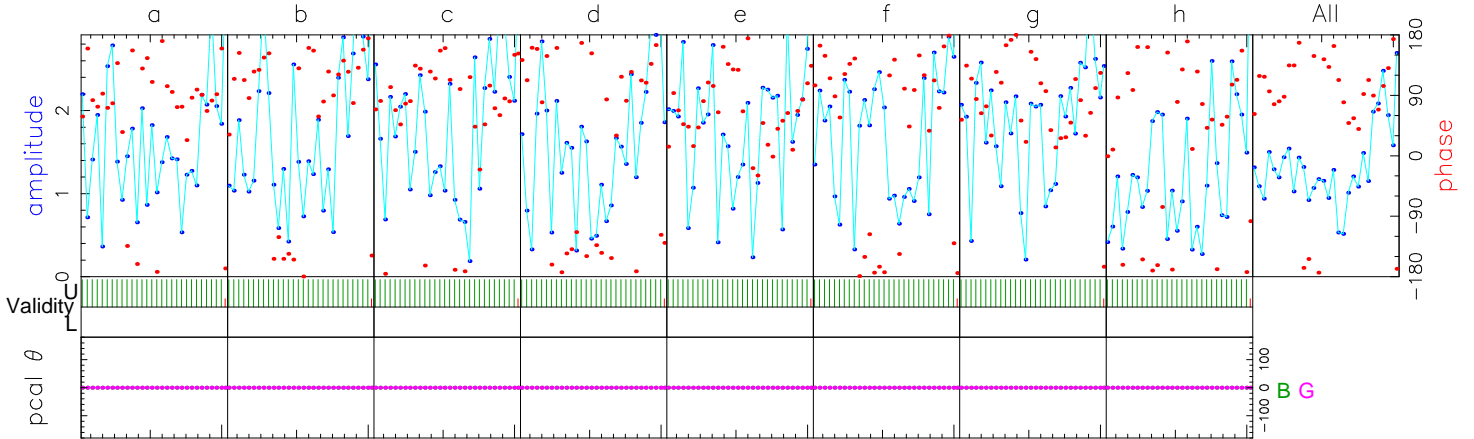


Fringe quality 8

SNR 20.6
Int time 59.977
Amp 0.971
Phase 115.0
PFD 0.0e+00
Delays (us)
SBD -0.007780
MBD -0.001469
Fringe rate (Hz)
-0.007573
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 1.024

Exp. c221c
Yr:day 16383
2022:168:125138
2022:168:175932
2021:041:141600
RA & Dec (J2000)
02h17m48.954754s
+01°44'49.699009"

Amp. and Phase vs. time for each freq., 30 segs, 2 APs / seg (2.05 sec / seg.), time ticks 5 sec



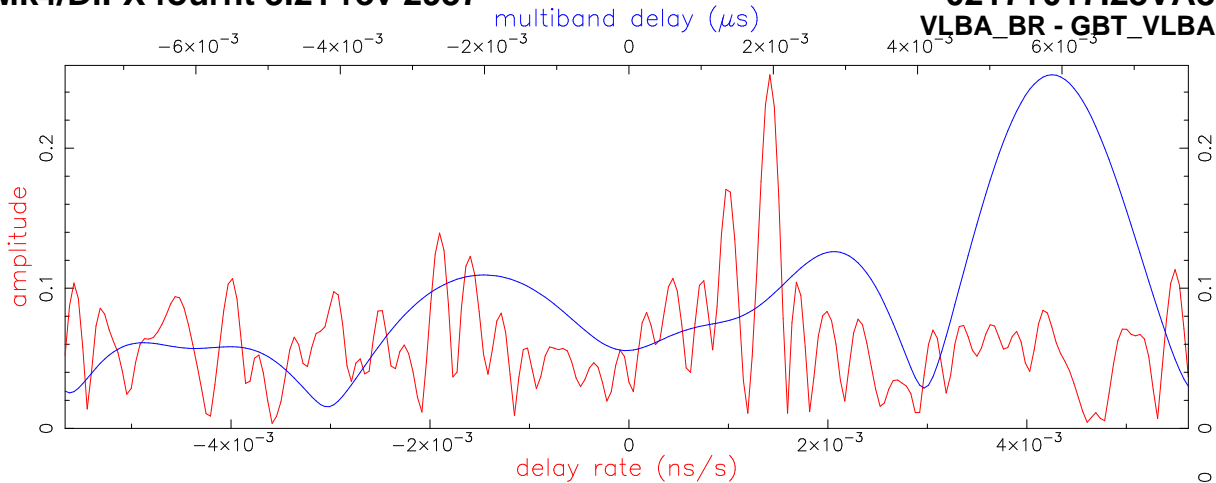
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	101.0	139.9	95.7	154.9	69.9	151.8	88.8	140.5	Phase	115.0
	1.2	1.3	1.3	1.0	1.2	1.2	1.3	0.6	Ampl.	1.1
	1023.5	1022.8	1023.4	1023.5	1023.4	1023.3	1023.4	1023.8	Sbd box	1023.0
U/L	59/0	59/0	59/0	59/0	59/0	59/0	59/0	59/0	APs used	
B	0	0	0	0	0	0	0	0	PC freqs	
G	0	0	0	0	0	0	0	0	PC freqs	
B:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
B:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
G	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
G	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	

Group delay (usec)(sbd)	-9.53711312195E+03	Apriori delay (usec)	-9.53711165328E+03	Resid mbdelay (usec)	-1.46868E-03	+/-	5.3E-05
Sband delay (usec)	-9.53711943303E+03	Apriori clock (usec)	-1.4596035E+01	Resid sbdelay (usec)	-7.77975E-03	+/-	4.2E-04
Phase delay (usec)	-9.53711164957E+03	Apriori clockrate (us/s)	9.1999975E-08	Resid phdelay (usec)	3.70985E-06	+/-	1.8E-07
Delay rate (us/s)	-1.35106294730E+00	Apriori rate (us/s)	-1.35106285938E+00	Resid rate (us/s)	-8.79178E-08	+/-	5.2E-09
Total phase (deg)	-177.7	Apriori accel (us/s/s)	5.11814675256E-05	Resid phase (deg)	115.0	+/-	5.6

ph/seg (deg)	44.4	RMS	15.3	Theor.	44.4	Amplitude	0.971 +/- 0.047	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5
amp/seg (%)	57.7	Search (128X32)	0.970	Interp.	0.000	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-4.000	4.000	
ph/frq (deg)	35.4	Inc. seg. avg.	1.270	Inc. frq. avg.	1.116	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.008	0.008
amp/frq (%)	28.8	Inc. frq. avg.	1.116	Sample rate (MSamp/s):	128	Data rate (Mb/s):	2048	nlags:	1024	t_cohere	infinite
								ion window (TEC)	0.00	0.00	

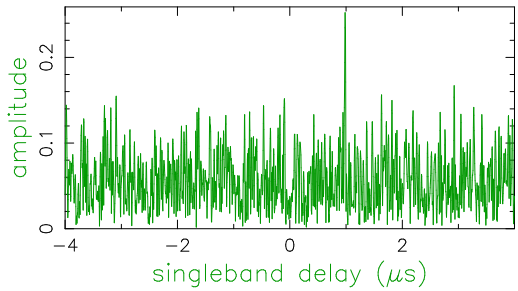
B: az 250.7 el 17.6 pa 36.9 G: az 145.0 el 48.0 pa -26.3 u,v (fr/asec) 7766.358 1469.408 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/3mm/1234/No0243/BG..28VA81 Output file: /Exps/c221c/FRINGE/3mm/1234/No0243/BG.W.3.28VA81

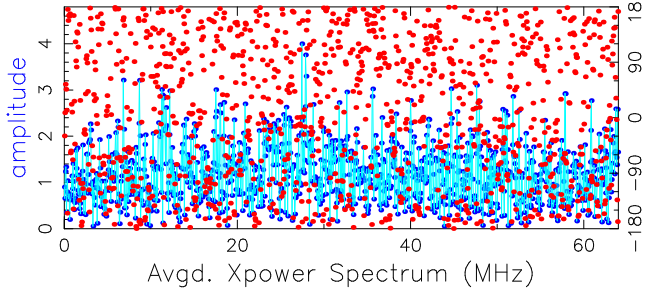


Fringe quality 0

SNR 5.3
 Int time 59.692
 Amp 0.259
 Phase -95.9
 PFD 1.0e+00
 Delays (us)
 SBD 0.984299
 MBD 0.005866
 Fringe rate (Hz)
 0.123098
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 1.024

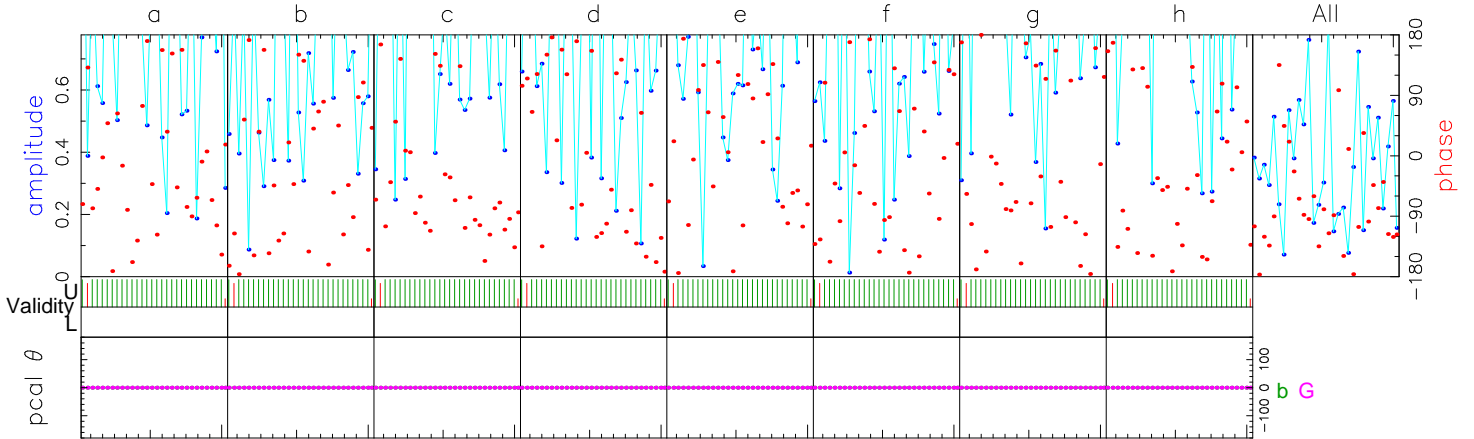


delay rate (ns/s)



Exp. c221c
 Exper # 16383
 Yr:day 2022:093
 Start 172001.00
 Stop 172101.41
 FRT 172131.00
 Corr/FF/build
 2022:168:125138
 2022:168:175932
 2021:041:141600
 RA & Dec (J2000)
 02h17m48.954754s
 +01°44'49.699009"

Amp. and Phase vs. time for each freq., 30 segs, 2 APs / seg (2.05 sec / seg.), time ticks 5 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-82.8	-123.7	-95.3	-136.2	-61.1	-65.3	-99.2	-104.1	Phase	-95.9
	0.3	0.1	0.6	0.2	0.2	0.2	0.4	0.2	Ampl.	0.2
	1762.7	755.0	1277.7	1586.6	1821.6	977.9	1602.7	1253.5	Sbd box	1277.0
U/L	59/0	59/0	59/0	59/0	59/0	59/0	59/0	59/0	APs used	
b	0	0	0	0	0	0	0	0	PC freqs	
G	0	0	0	0	0	0	0	0	PC freqs	
b:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
b:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
b	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
G	1000	1000	1000	1000	1000	1000	1000	1000		
b	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
G	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	

Group delay (usec)(sbd)	-8.65977441858E+03	Apriori delay (usec)	-8.66076465918E+03	Resid mbdelay (usec)	5.88560E-03	+/-	2.0E-04
Sband delay (usec)	-8.65978036043E+03	Apriori clock (usec)	3.0463459E+01	Resid sbdelay (usec)	9.84299E-01	+/-	1.6E-03
Phase delay (usec)	-8.66076466227E+03	Apriori clockrate (us/s)	9.7300000E-07	Resid phdelay (usec)	-3.09381E-06	+/-	6.9E-07
Delay rate (us/s)	4.56569298948E-01	Apriori rate (us/s)	4.56567869907E-01	Resid rate (us/s)	1.42904E-06	+/-	2.0E-08
Total phase (deg)	-3.0	Apriori accel (us/s/s)	4.66623285593E-05	Resid phase (deg)	-95.9	+/-	21.5

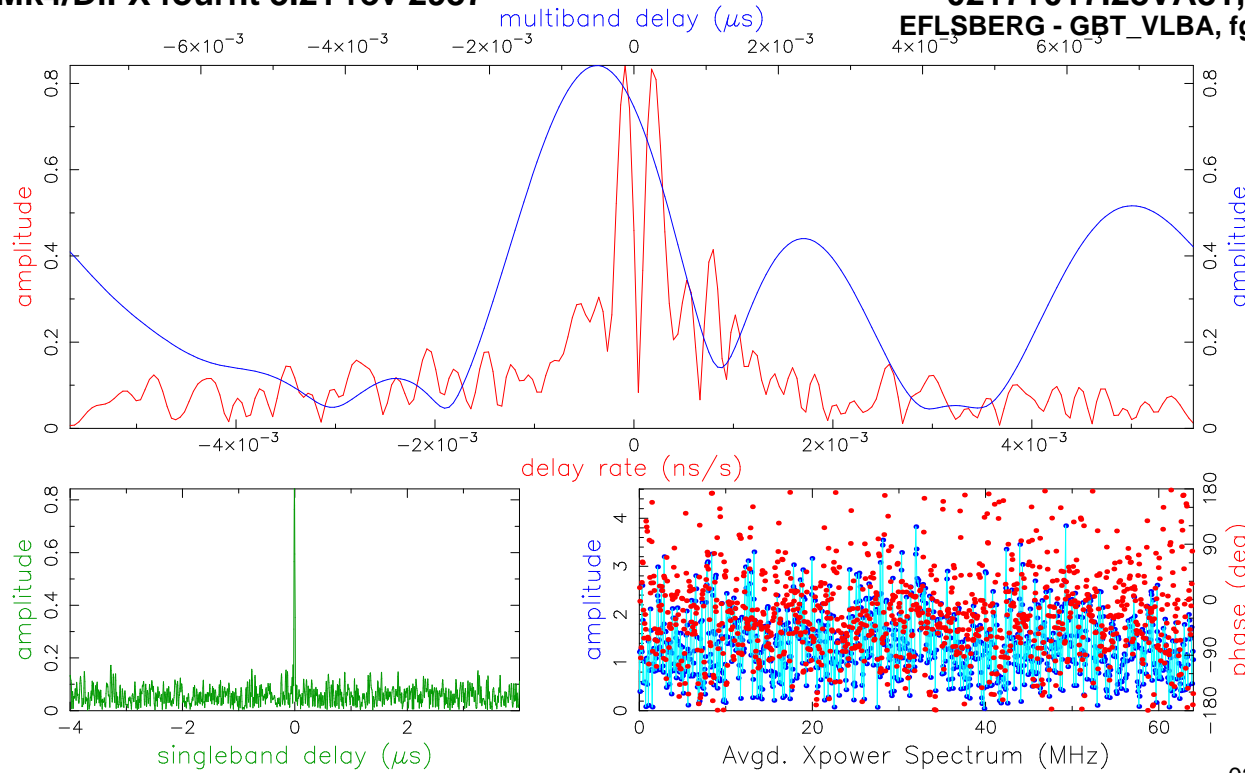
ph/seg (deg)	69.4	Theor.	58.9	Amplitude	0.259 +/- 0.049	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-4.000	4.000
amp/seg (%)	92.4		102.7	Search (128X32)	0.247	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		mb window (us)	-0.008	0.008
ph/frq (deg)	28.3		30.4	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	dr window (ns/s)	-0.006	0.006
amp/frq (%)	59.2		53.0	Inc. seg. avg.	0.253	Sample rate(MISamp/s): 128		ion window (TEC)	0.00	0.00
				Inc. frq. avg.	0.242	Data rate(Mb/s): 2048	nlags: 1024 t_cohere infinite			

b: az 110.1 el 19.5 pa -38.8 G: az 145.0 el 48.0 pa -26.3 u,v (fr/asec) -2593.410 1206.138 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/3mm/1234/No0243/bG..28VA81 Output file: /Exps/c221c/FRINGE/3mm/1234/No0243/bG.W.5.28VA81

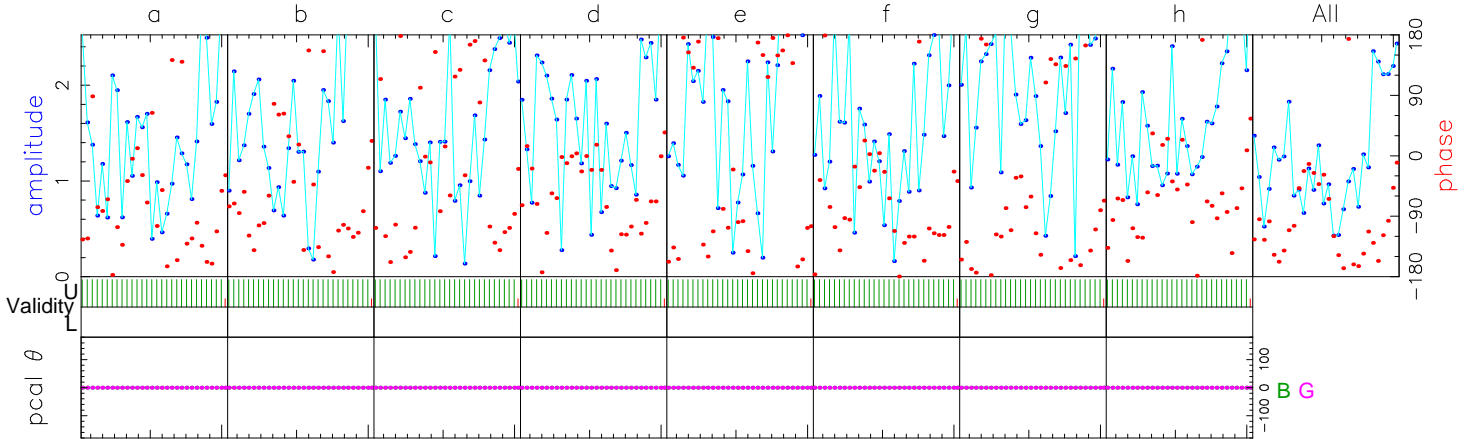
Mk4/DiFX fourfit 3.21 rev 2937

0217+017.28VA81, No0243, BG
EFLSBERG - GBT_VLBA, fgroup W, pol RR



Fringe quality 8
SNR 17.8
Int time 59.977
Amp 0.842
Phase -109.7
PFD 0.0e+00
Delays (us)
SBD -0.007628
MBD -0.000509
Fringe rate (Hz)
-0.007364
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 1.024
Exp. c221c
Exper # 16383
Yr:day 2022:093
Start 172001.00
Stop 172101.41
FRT 172131.00
Corr/FF/build
2022:168:125138
2022:168:175933
2021:041:141600
RA & Dec (J2000)
02h17m48.954754s
+01°44'49.699009"

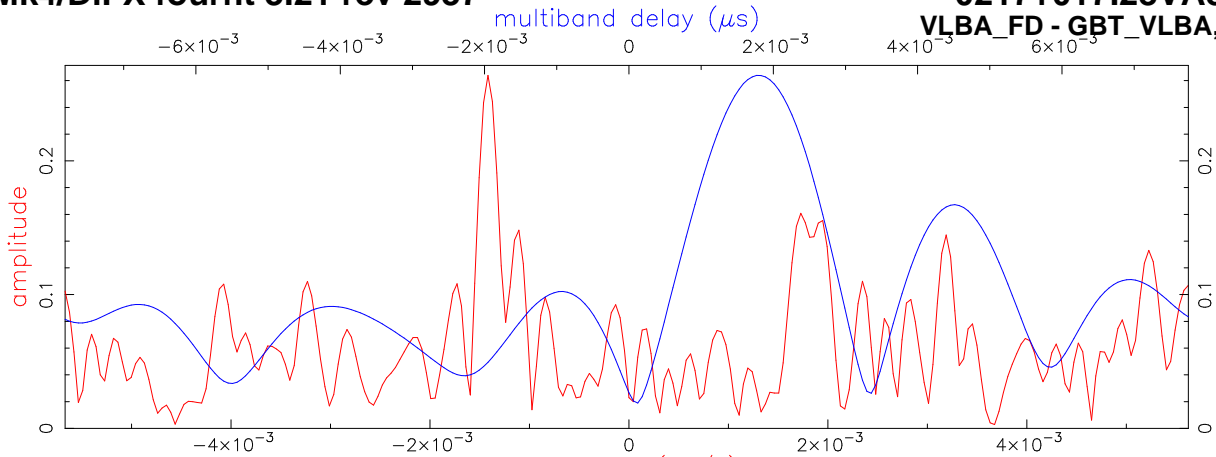
Amp. and Phase vs. time for each freq., 30 segs, 2 APs / seg (2.05 sec / seg.), time ticks 5 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-109.3	-96.8	-123.4	-56.3	-167.6	-91.7	-138.0	-71.0	Phase	-109.7
	0.8	1.0	0.8	1.0	1.4	1.0	1.3	1.0	Ampl.	1.0
	1022.4	1023.3	1023.8	1023.2	1023.8	1023.4	1023.6	1023.2	Sbd box	1023.0
U/L	59/0	59/0	59/0	59/0	59/0	59/0	59/0	59/0	APs used	
B	0	0	0	0	0	0	0	0	PC freqs	
G	0	0	0	0	0	0	0	0	PC freqs	
B:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
B:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
G	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
G	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	
									Tracks	
Group delay (usec)(sbd)	-9.53711216183E+03		Apriori delay (usec)		-9.53711165328E+03		Resid mbdelay (usec)		-5.08551E-04	+/- 6.1E-05
Sband delay (usec)	-9.53711928078E+03		Apriori clock (usec)		-1.4596035E+01		Resid sbdelay (usec)		-7.62750E-03	+/- 4.8E-04
Phase delay (usec)	-9.53711165681E+03		Apriori clockrate (us/s)		9.1999975E-08		Resid phdelay (usec)		-3.53625E-06	+/- 2.1E-07
Delay rate (us/s)	-1.35106294487E+00		Apriori rate (us/s)		-1.35106285938E+00		Resid rate (us/s)		-8.54917E-08	+/- 5.9E-09
Total phase (deg)			Apriori accel (us/s/s)		5.11814675256E-05		Resid phase (deg)		-109.7	+/- 6.4

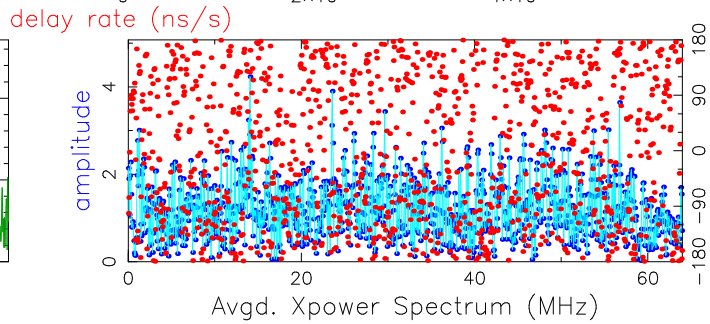
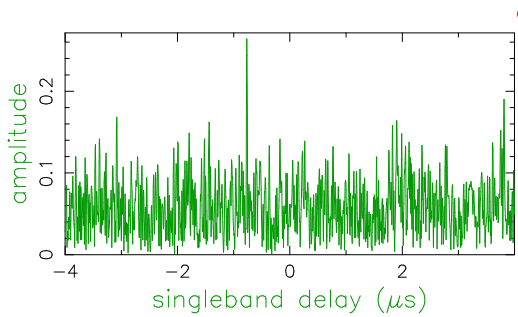
	RMS	Theor.	Amplitude	0.842 +/- 0.047	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5
ph/seg (deg)	50.3	17.6	Search (128X32)	0.841	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us) -4.000 4.000
amp/seg (%)	80.2	30.7	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled
ph/frq (deg)	39.1	9.1	Inc. seg. avg.	1.166	Sample rate(MISamp/s): 128	dr window (ns/s) -0.006 0.006
amp/frq (%)	32.3	15.9	Inc. frq. avg.	1.019	Data rate(Mb/s): 2048	ion window (TEC) 0.00 0.00

B: az 250.7 el 17.6 pa 36.9 G: az 145.0 el 48.0 pa -26.3 u,v (fr/asec) 7766.358 1469.408 simultaneous interpolator
Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/3mm/1234/No0243/BG..28VA81 Output file: /Exps/c221c/FRINGE/3mm/1234/No0243/BG.W.8.28VA81



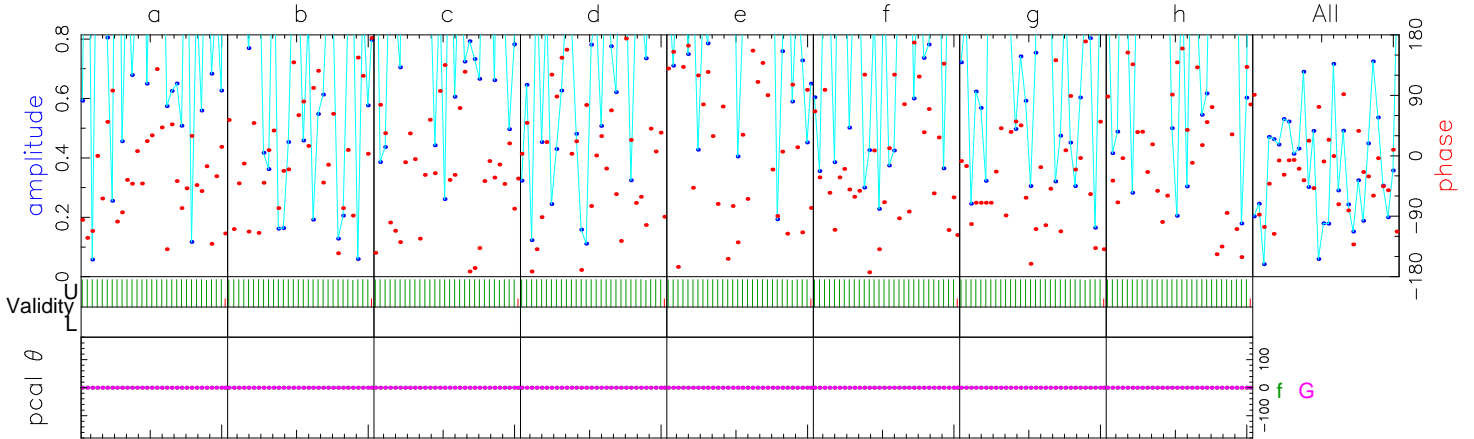
Fringe quality 0

SNR 5.6
 Int time 59.929
 Amp 0.271
 Phase -26.1
 PFD 7.4e-01
 Delays (us)
 SBD -0.765238
 MBD 0.001798
 Fringe rate (Hz)
 -0.124123
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 1.024



Exp. c221c
 Exper # 16383
 Yr:day 2022:093
 Start 172001.00
 Stop 172101.41
 FRT 172131.00
 Corr/FF/build
 2022:168:125138
 2022:168:175933
 2021:041:141600
 RA & Dec (J2000)
 02h17m48.954754s
 +01°44'49.699009"

Amp. and Phase vs. time for each freq., 30 segs, 2 APs / seg (2.05 sec / seg.), time ticks 5 sec

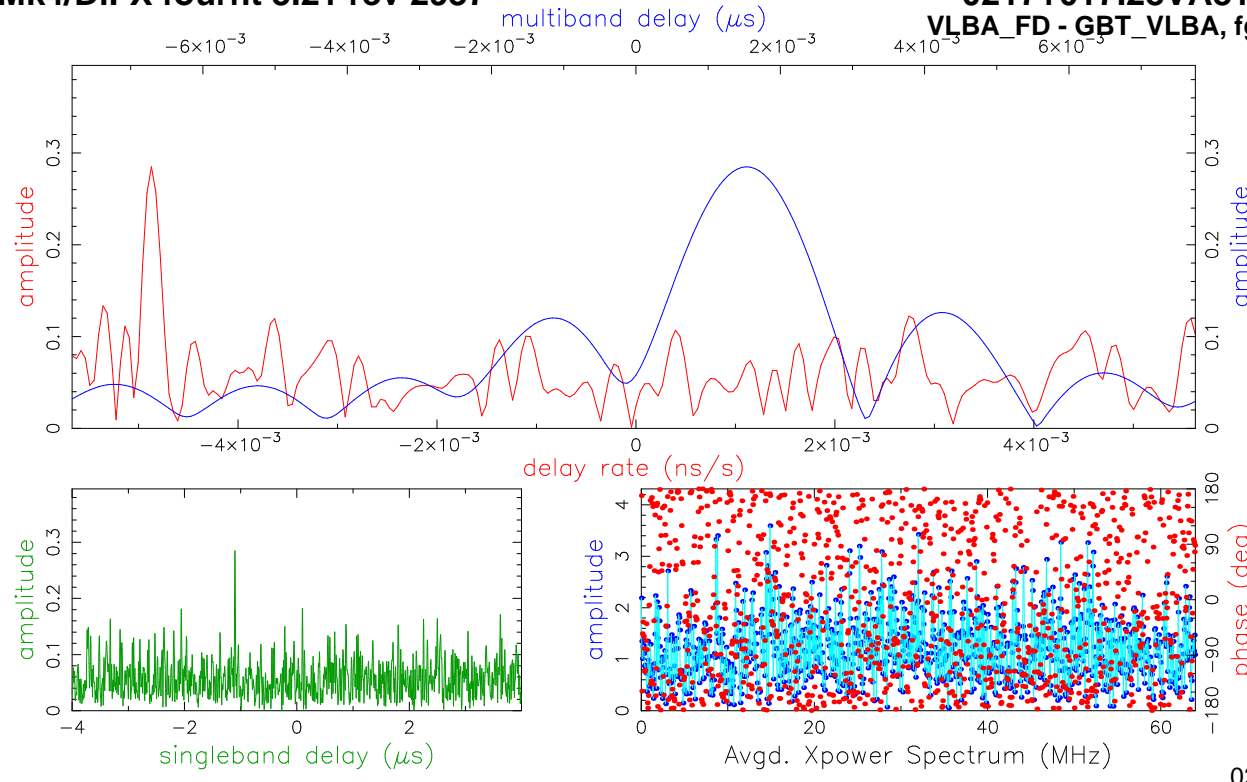


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-37.5	9.0	-29.0	-17.4	134.5	-38.7	-40.3	-5.1	Phase	-26.1
	0.5	0.2	0.4	0.2	0.1	0.3	0.4	0.3	Ampl.	0.3
	828.9	1227.4	634.0	333.1	1085.9	971.4	1353.9	568.8	Sbd box	829.1
U/L	59/0	59/0	59/0	59/0	59/0	59/0	59/0	59/0	APs used	
f	0	0	0	0	0	0	0	0	PC freqs	
G	0	0	0	0	0	0	0	0	PC freqs	
f:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
f:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
G	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
G	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	
									Tracks	
Group delay (usec)(sbd)	-2.83032398688E+03		Apriori delay (usec)		-2.82956016019E+03		Resid mbdelay (usec)		1.79831E-03	+/- 1.9E-04
Sband delay (usec)	-2.83032539819E+03		Apriori clock (usec)		3.4400002E+01		Resid sbdelay (usec)		-7.65238E-01	+/- 1.5E-03
Phase delay (usec)	-2.82956016103E+03		Apriori clockrate (us/s)		0.0000000E+00		Resid phdelay (usec)		-8.41422E-07	+/- 6.6E-07
Delay rate (us/s)	5.06228253600E-01		Apriori rate (us/s)		5.06229694540E-01		Resid rate (us/s)		-1.44094E-06	+/- 1.9E-08
Total phase (deg)			Apriori accel (us/s/s)		1.48222803542E-05		Resid phase (deg)		-26.1	+/- 20.5

	RMS	Theor.	Amplitude	0.271 +/- 0.049	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-4.000	4.000
ph/seg (deg)	55.4	56.1	Search (128X32)	0.257	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		mb window (us)	-0.008	0.008
amp/seg (%)	82.0	97.9	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	dr window (ns/s)	-0.006	0.006
ph/frq (deg)	68.4	29.0	Inc. seg. avg.	0.259	Sample rate(MISamp/s): 128		ion window (TEC)	0.00	0.00
amp/frq (%)	49.5	50.6	Inc. frq. avg.	0.271	Data rate(Mb/s): 2048	nlags: 1024 t_cohere infinite			

f: az 113.9 el 37.3 pa -51.9 G: az 145.0 el 48.0 pa -26.3 u,v (fr/asec) -2891.905 -956.250 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/3mm/1234/No0243/fG.28VA81 Output file: /Exps/c221c/FRINGE/3mm/1234/No0243/fG.W.12.28VA81

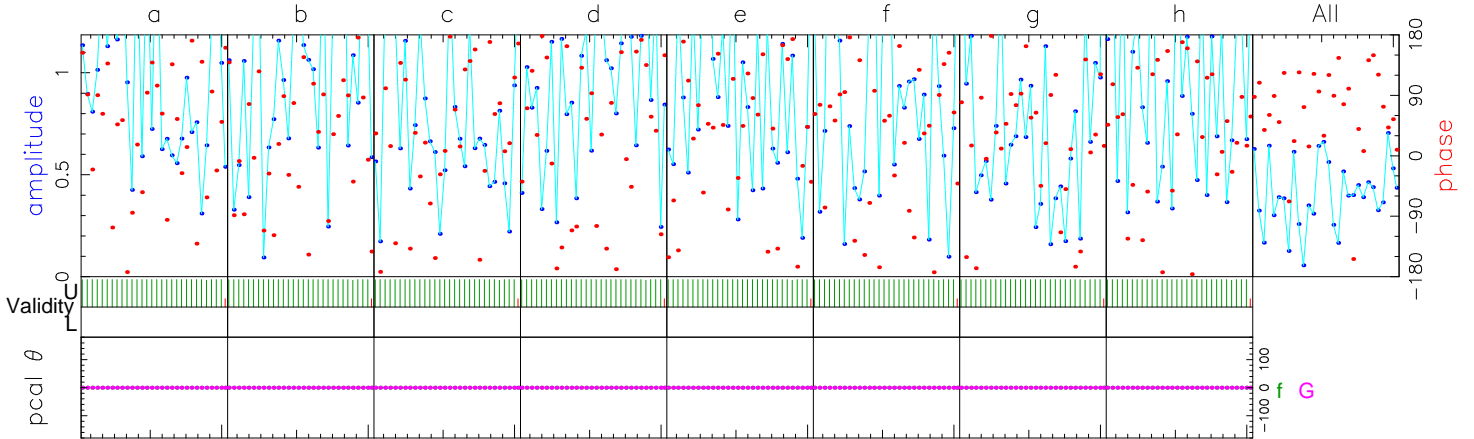


Fringe quality 0

SNR 6.0
 Int time 59.929
 Amp 0.395
 Phase 77.8
 PFD 9.9e-02
 Delays (us)
 SBD -1.101939
 MBD 0.001516
 Fringe rate (Hz)
 -0.421270
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 1.024

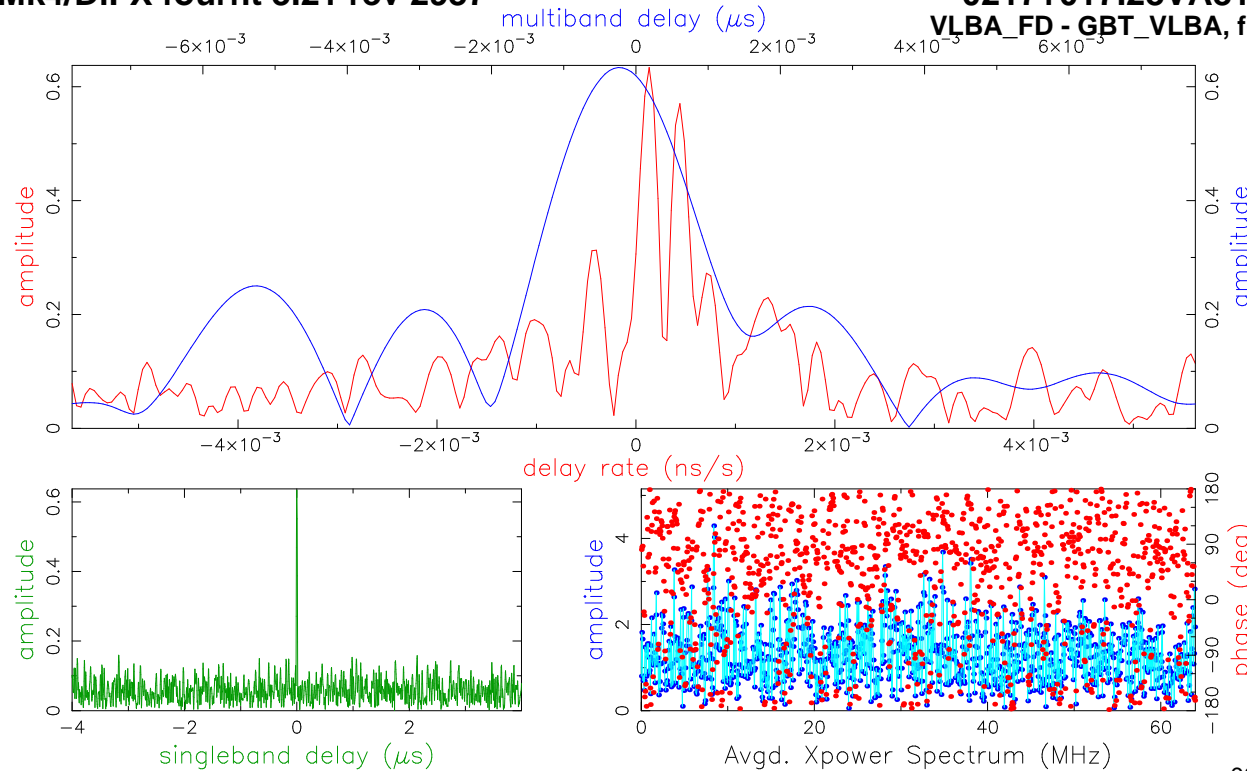
Exp. c221c
 Exper # 16383
 Yr:day 2022:093
 Start 172001.00
 Stop 172101.41
 FRT 172131.00
 Corr/FF/build
 2022:168:125138
 2022:168:175935
 2021:041:141600
 RA & Dec (J2000)
 02h17m48.954754s
 +01°44'49.699009"

Amp. and Phase vs. time for each freq., 30 segs, 2 APs / seg (2.05 sec / seg.), time ticks 5 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	69.6	64.6	92.3	110.7	93.6	81.1	62.7	78.2	Phase	77.8
	0.5	0.5	0.3	0.2	0.3	0.4	0.5	0.5	Ampl.	0.4
	615.6	746.9	389.9	1710.6	673.9	452.2	1218.2	957.9	Sbd box	742.9
U/L	59/0	59/0	59/0	59/0	59/0	59/0	59/0	59/0	APs used	
f	0	0	0	0	0	0	0	0	PC freqs	
G	0	0	0	0	0	0	0	0	PC freqs	
f:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
f:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
G	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
G	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	
									Tracks	
Group delay (usec)(sbd)	-2.83066801902E+03		Apriori delay (usec)		-2.82956016019E+03		Resid mbdelay (usec)		1.51617E-03	+/- 1.8E-04
Sband delay (usec)	-2.83066209919E+03		Apriori clock (usec)		3.4400002E+01		Resid sbdelay (usec)		-1.10194E+00	+/- 1.4E-03
Phase delay (usec)	-2.82956015768E+03		Apriori clockrate (us/s)		0.0000000E+00		Resid phdelay (usec)		2.51015E-06	+/- 6.1E-07
Delay rate (us/s)	5.06224804007E-01		Apriori rate (us/s)		5.06229694540E-01		Resid rate (us/s)		-4.89053E-06	+/- 1.8E-08
Total phase (deg)	6.4		Apriori accel (us/s/s)		1.48222803542E-05		Resid phase (deg)		77.8	+/- 19.0

ph/seg (deg) 54.0 52.0 Amplitude 0.395 +/- 0.066 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 72.7 90.8 Search (128X32) 0.276 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -4.000 4.000
 ph/frq (deg) 18.4 26.9 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 27.4 46.9 Inc. seg. avg. 0.401 Sample rate(MISamp/s): 128 dr window (ns/s) -0.006 0.006
 f: az 113.9 el 37.3 pa -51.9 G: az 145.0 el 48.0 pa -26.3 u,v (fr/asec) -2891.905 -956.250 nlags: 1024 t_cohere infinite ion window (TEC) 0.00 0.00
 Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/3mm/1234/No0243/fG..28VA81 Output file: /Exps/c221c/FRINGE/3mm/1234/No0243/fG.W.18.28VA81 simultaneous interpolator

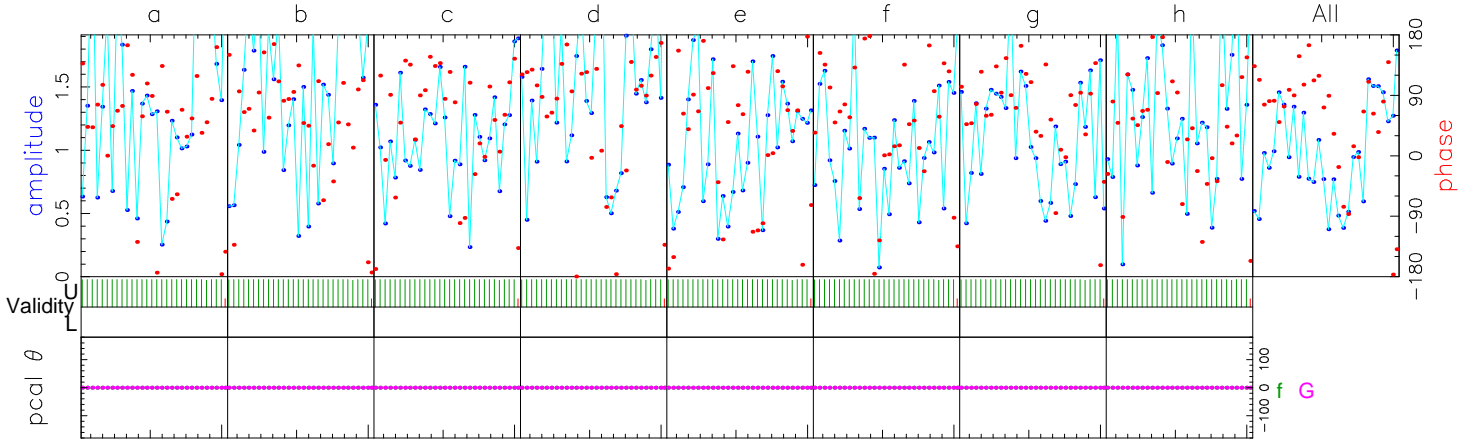


Fringe quality 9

SNR 13.5
 Int time 59.929
 Amp 0.637
 Phase 86.3
 PFD 2.5e-33
 Delays (us)
 SBD -0.000959
 MBD -0.000234
 Fringe rate (Hz)
 0.013293
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 1.024

Exp. c221c
 Exper # 16383
 Yr:day 2022:093
 Start 172001.00
 Stop 172101.41
 FRT 172131.00
 Corr/FF/build
 2022:168:125138
 2022:168:175931
 2021:041:141600
 RA & Dec (J2000)
 02h17m48.954754s
 +01°44'49.699009"

Amp. and Phase vs. time for each freq., 30 segs, 2 APs / seg (2.05 sec / seg.), time ticks 5 sec

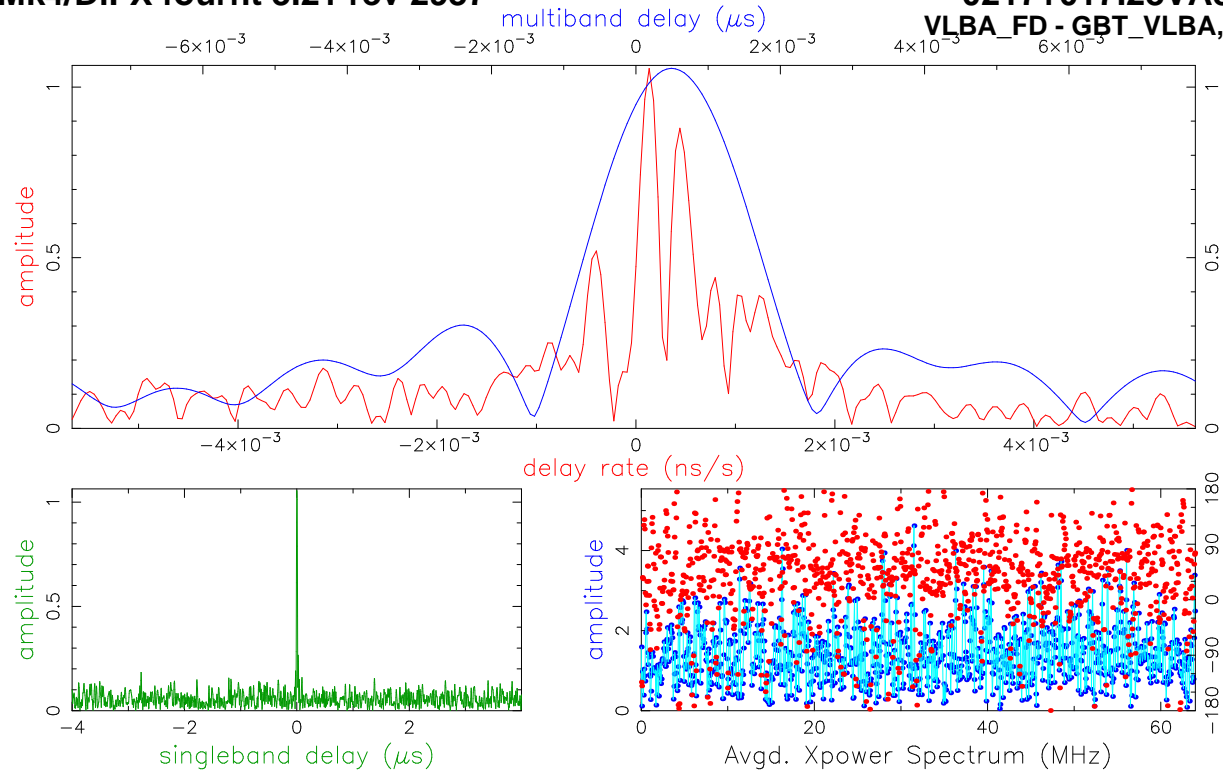


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	77.0	72.7	95.6	106.5	94.6	99.7	91.7	60.0	Phase	86.3
	0.8	0.9	0.5	0.9	0.4	0.4	0.7	0.6	Ampl.	0.6
	1025.2	1024.2	480.0	1025.0	284.5	540.5	1024.0	1024.6	Sbd box	1024.8
U/L	59/0	59/0	59/0	59/0	59/0	59/0	59/0	59/0	APs used	
f	0	0	0	0	0	0	0	0	PC freqs	
G	0	0	0	0	0	0	0	0	PC freqs	
f:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
f:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
G	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
G	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	
									Tracks	
Group delay (usec)(sbd)	-2.82956039418E+03		Apriori delay (usec)		-2.82956016019E+03		Resid mbdelay (usec)		-2.33992E-04	+/- 8.0E-05
Sband delay (usec)	-2.82956111944E+03		Apriori clock (usec)		3.4400002E+01		Resid sbdelay (usec)		-9.59250E-04	+/- 6.4E-04
Phase delay (usec)	-2.82956015740E+03		Apriori clockrate (us/s)		0.0000000E+00		Resid phdelay (usec)		2.78218E-06	+/- 2.7E-07
Delay rate (us/s)	5.06229848863E-01		Apriori rate (us/s)		5.06229694540E-01		Resid rate (us/s)		1.54324E-07	+/- 7.9E-09
Total phase (deg)			Apriori accel (us/s/s)		1.48222803542E-05		Resid phase (deg)		86.3	+/- 8.5

	RMS	Theor.	Amplitude	0.637 +/- 0.047	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5
ph/seg (deg)	64.4	23.3	Search (128X32)	0.604	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us) -4.000 4.000
amp/seg (%)	78.9	40.6	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled
ph/frq (deg)	17.0	12.0	Inc. seg. avg.	0.899	Sample rate(MISamp/s): 128	dr window (ns/s) -0.006 0.006
amp/frq (%)	30.5	21.0	Inc. frq. avg.	0.643	Data rate(Mb/s): 2048	nlags: 1024 t_cohere infinite
						ion window (TEC) 0.00 0.00

f: az 113.9 el 37.3 pa -51.9 G: az 145.0 el 48.0 pa -26.3 u,v (fr/asec) -2891.905 -956.250 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/3mm/1234/No0243/fG..28VA81 Output file: /Exps/c221c/FRINGE/3mm/1234/No0243/fG.W.2.28VA81

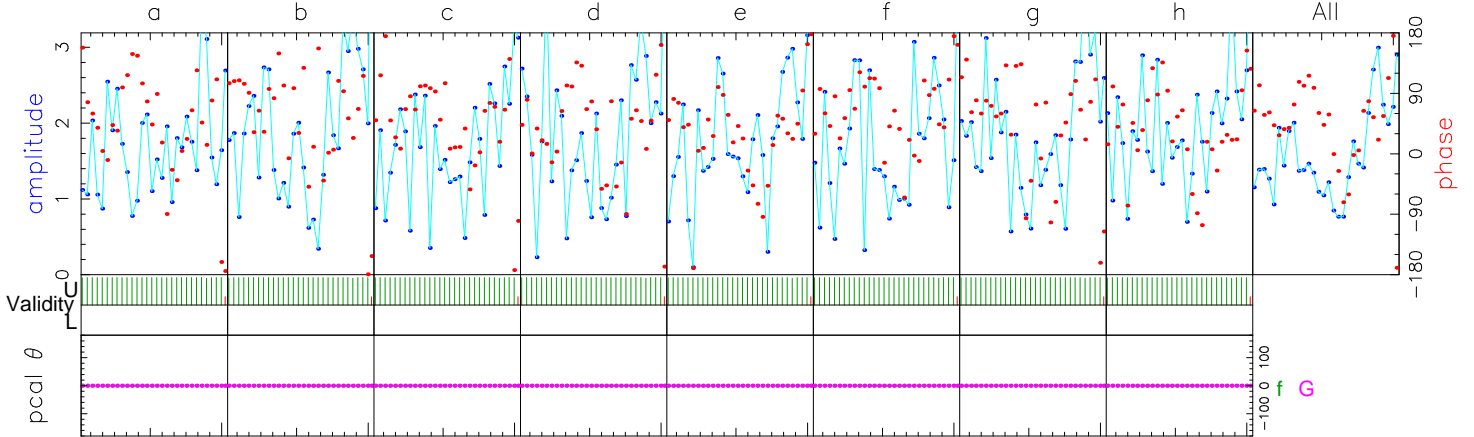


Fringe quality 9

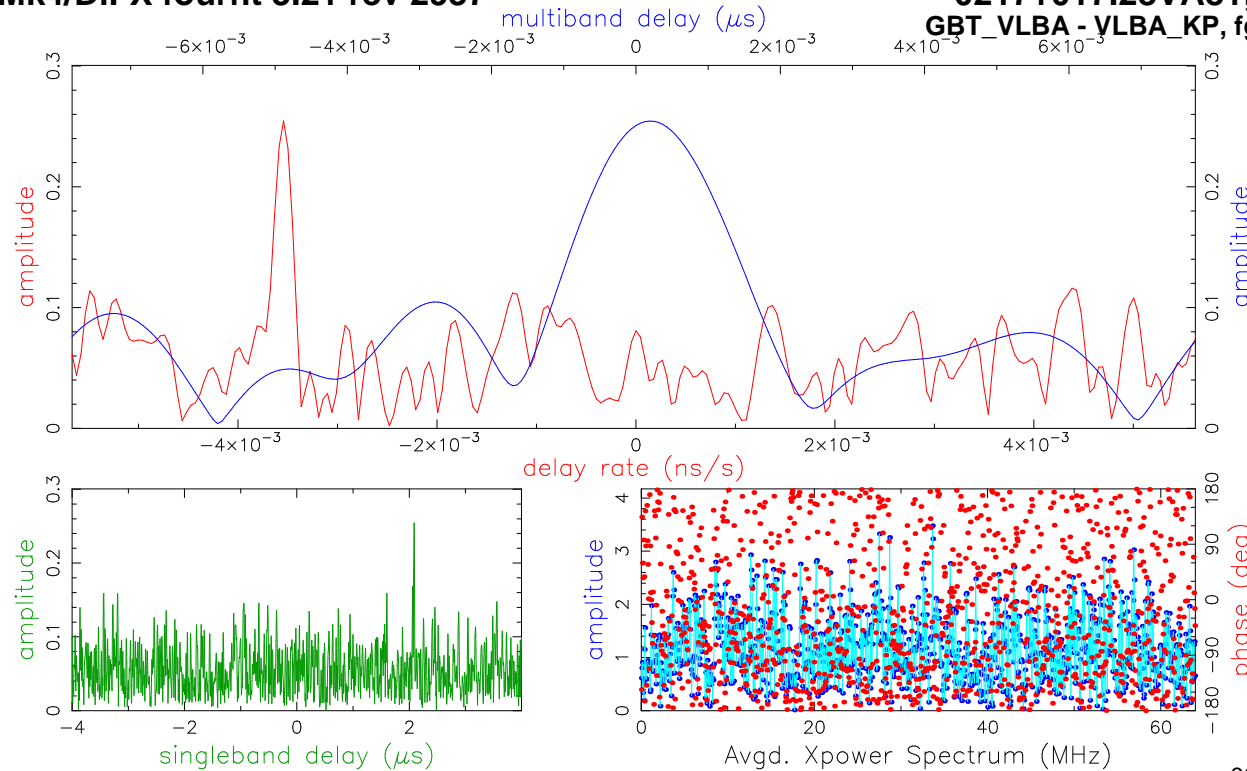
SNR 22.5
 Int time 59.929
 Amp 1.063
 Phase 58.8
 PFD 0.0e+00
 Delays (us)
 SBD 0.001139
 MBD 0.000520
 Fringe rate (Hz) 0.012539
 Ion TEC 0.000
 Ref freq (MHz) 86140.0000
 AP (sec) 1.024

Exp. c221c
 Exper # 16383
 Yr:day 2022:093
 Start 172001.00
 Stop 172101.41
 FRT 172131.00
 Corr/FF/build
 2022:168:125138
 2022:168:175932
 2021:041:141600
 RA & Dec (J2000)
 02h17m48.954754s
 +01°44'49.699009"

Amp. and Phase vs. time for each freq., 30 segs, 2 APs / seg (2.05 sec / seg.), time ticks 5 sec

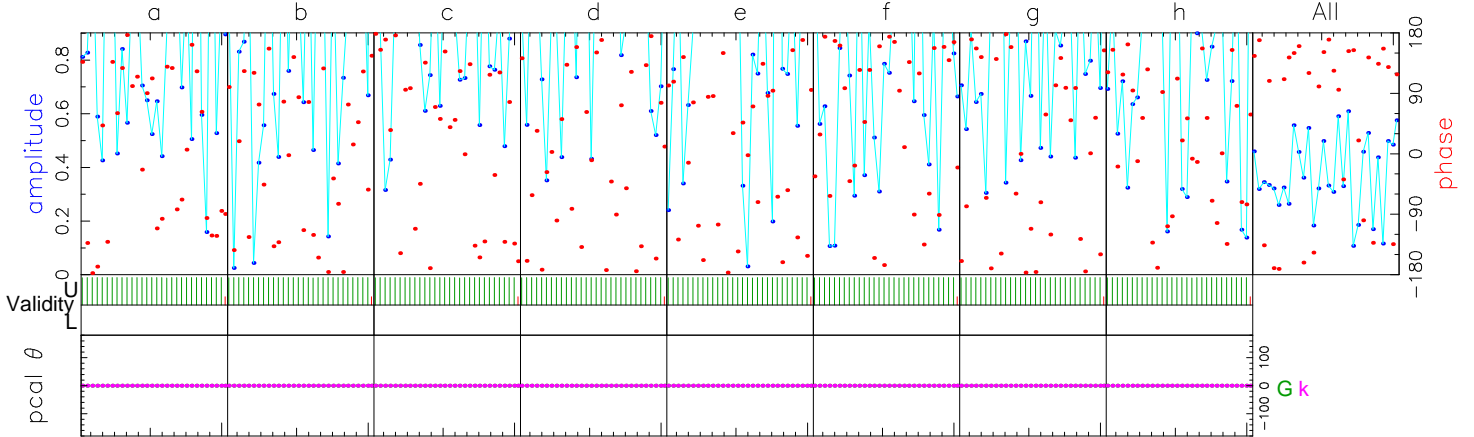


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	59/0	59/0	59/0	59/0	59/0	59/0	59/0	59/0		
f	0	0	0	0	0	0	0	0		
G	0	0	0	0	0	0	0	0		
f:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
f	1000	1000	1000	1000	1000	1000	1000	1000		
G	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		
G	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		
Group delay (usec)(sbd)	-2.82955964012E+03				-2.82956016019E+03				5.20071E-04	+/- 4.8E-05
Sband delay (usec)	-2.82955902069E+03				3.4400002E+01				1.13950E-03	+/- 3.8E-04
Phase delay (usec)	-2.82956015829E+03				0.0000000E+00				1.89467E-06	+/- 1.6E-07
Delay rate (us/s)	5.06229840100E-01				5.06229694540E-01				1.45560E-07	+/- 4.7E-09
Total phase (deg)			-12.7		1.48222803542E-05				58.8	+/- 5.1
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)										
PC period (AP's) 5, 5										
sb window (us)									-4.000	4.000
mb window (us)									-0.008	0.008
dr window (ns/s)									-0.006	0.006
ion window (TEC)									0.00	0.00
ph/seg (deg)	54.1	13.9								
amp/seg (%)	70.2	24.3								
ph/frq (deg)	15.7	7.2								
amp/frq (%)	8.2	12.6								
f: az 113.9 el 37.3 pa -51.9										
G: az 145.0 el 48.0 pa -26.3										
u,v (fr/asec)					-2891.905	-956.250				simultaneous interpolator



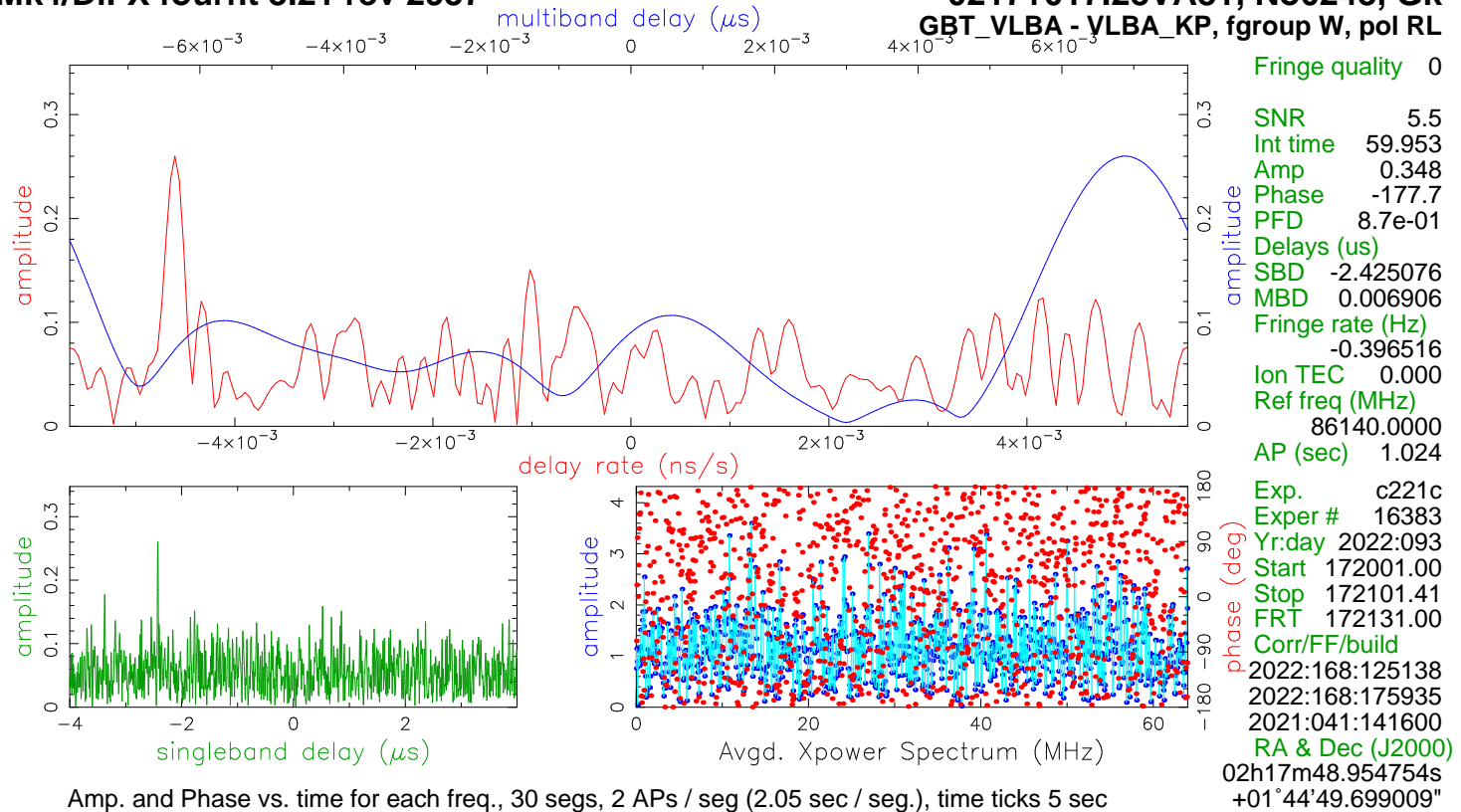
Fringe quality 0
SNR 5.4
Int time 59.953
Amp 0.301
Phase 153.0
PFD 9.8e-01
Delays (us)
SBD 2.086003
MBD 0.000201
Fringe rate (Hz)
-0.305293
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 1.024
Exp. c221c
Yr:day 16383
2022:168:125138
2022:168:175934
2021:041:141600
RA & Dec (J2000)
02h17m48.954754s
+01°44'49.699009"

Amp. and Phase vs. time for each freq., 30 segs, 2 APs / seg (2.05 sec / seg.), time ticks 5 sec

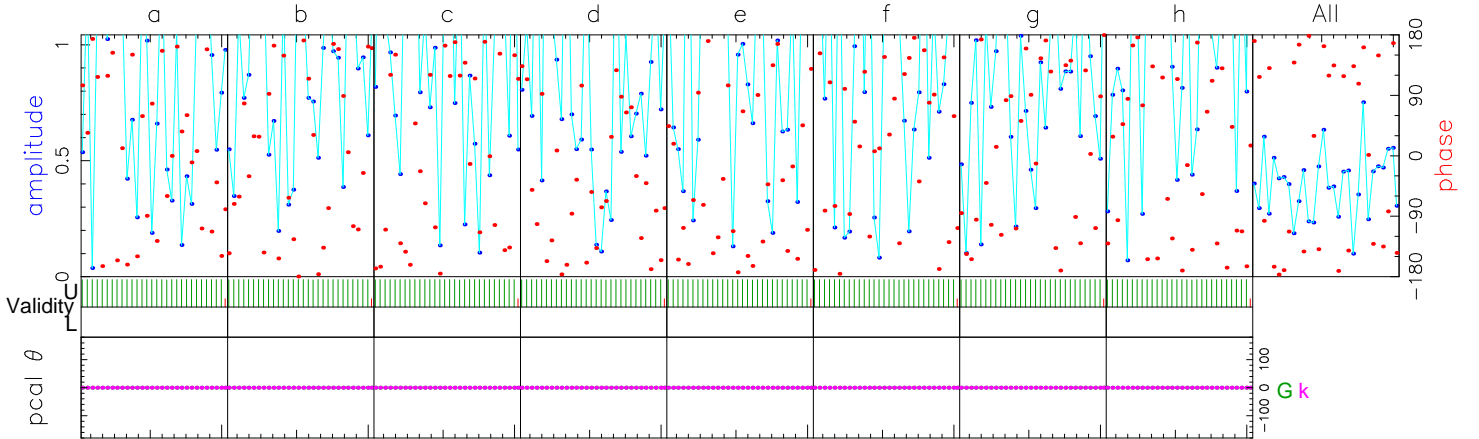


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	167.1	109.6	148.0	-171.5	178.1	134.6	172.6	101.0	Phase	153.0
	0.4	0.3	0.4	0.3	0.3	0.4	0.4	0.2	Ampl.	0.3
	263.6	1144.8	1551.2	1054.2	593.4	1037.1	78.6	1859.1	Sbd box	1559.0
U/L	59/0	59/0	59/0	59/0	59/0	59/0	59/0	59/0	APs used	
G	0	0	0	0	0	0	0	0	PC freqs	
k	0	0	0	0	0	0	0	0	PC freqs	
G:k	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:k	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
G	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
k	1000	1000	1000	1000	1000	1000	1000	1000		
G	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
k	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	
									Tracks	
Group delay (usec)(sbd)	4.84625064624E+03		Apriori delay (usec)		4.84417232046E+03		Resid mbdelay (usec)		2.00775E-04 +/- 2.0E-04	
Sband delay (usec)	4.84625832371E+03		Apriori clock (usec)		-3.4653458E+01		Resid sbdelay (usec)		2.08600E+00 +/- 1.6E-03	
Phase delay (usec)	4.84417232540E+03		Apriori clockrate (us/s)		-9.7300000E-07		Resid phdelay (usec)		4.93314E-06 +/- 6.9E-07	
Delay rate (us/s)	-6.05862271610E-01		Apriori rate (us/s)		-6.05858727462E-01		Resid rate (us/s)		-3.54415E-06 +/- 2.0E-08	
Total phase (deg)	39.5		Apriori accel (us/s/s)		-2.56078339391E-05		Resid phase (deg)		153.0 +/- 21.3	

ph/seg (deg) 57.2 58.2 Search (128X32) 0.252 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 71.4 101.6 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -4.000 4.000
 ph/frq (deg) 35.2 30.1 Inc. seg. avg. 0.289 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 31.3 52.5 Inc. frq. avg. 0.296 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 1024 t_cohere infinite dr window (ns/s) -0.006 0.006
 G: az 145.0 el 48.0 pa -26.3 k: az 109.1 el 30.8 pa -53.2 u,v (fr/asec) 3457.432 754.895 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/3mm/1234/No0243/Gk..28VA81 Output file: /Exps/c221c/FRINGE/3mm/1234/No0243/Gk.W.14.28VA81

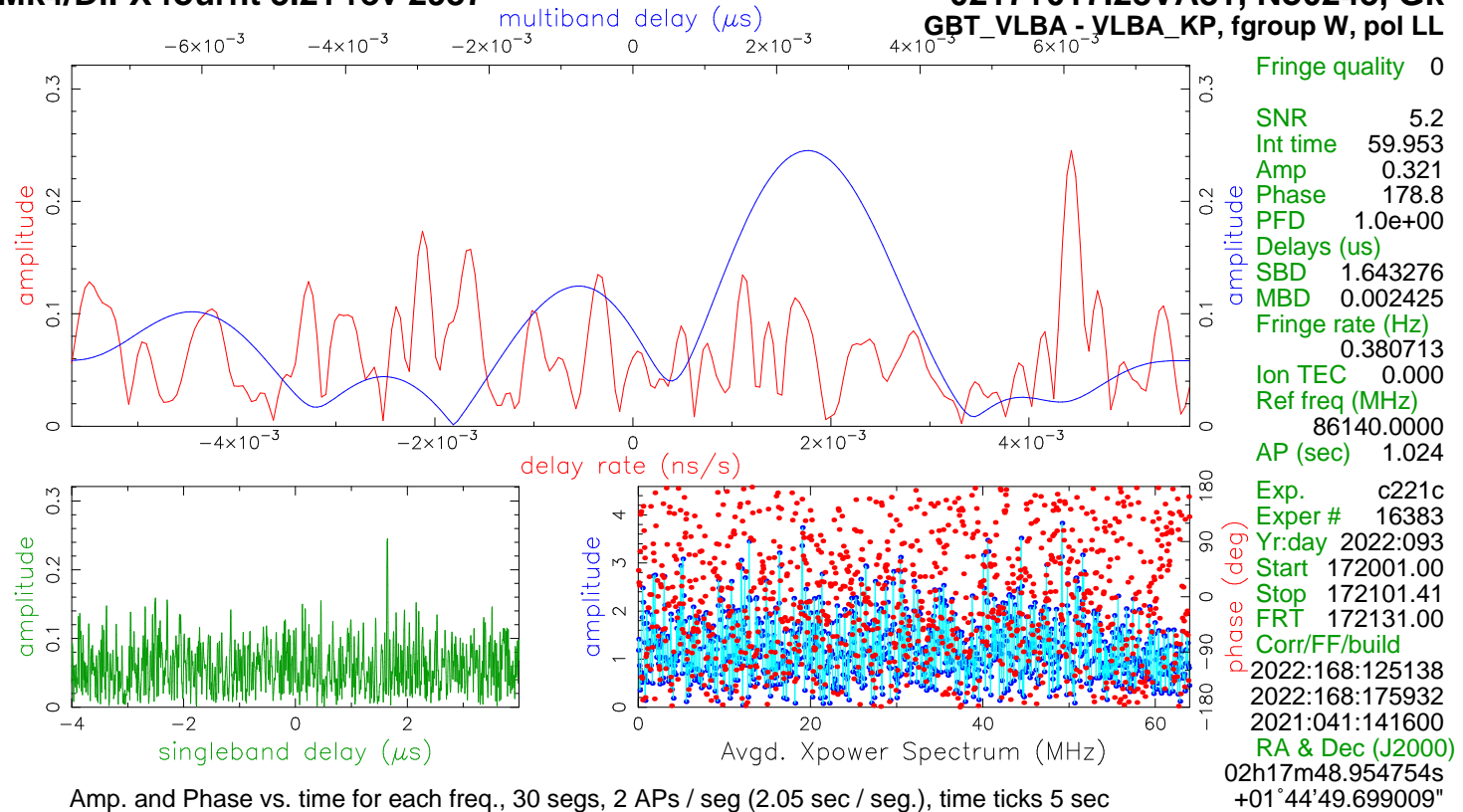


Amp. and Phase vs. time for each freq., 30 segs, 2 APs / seg (2.05 sec / seg.), time ticks 5 sec

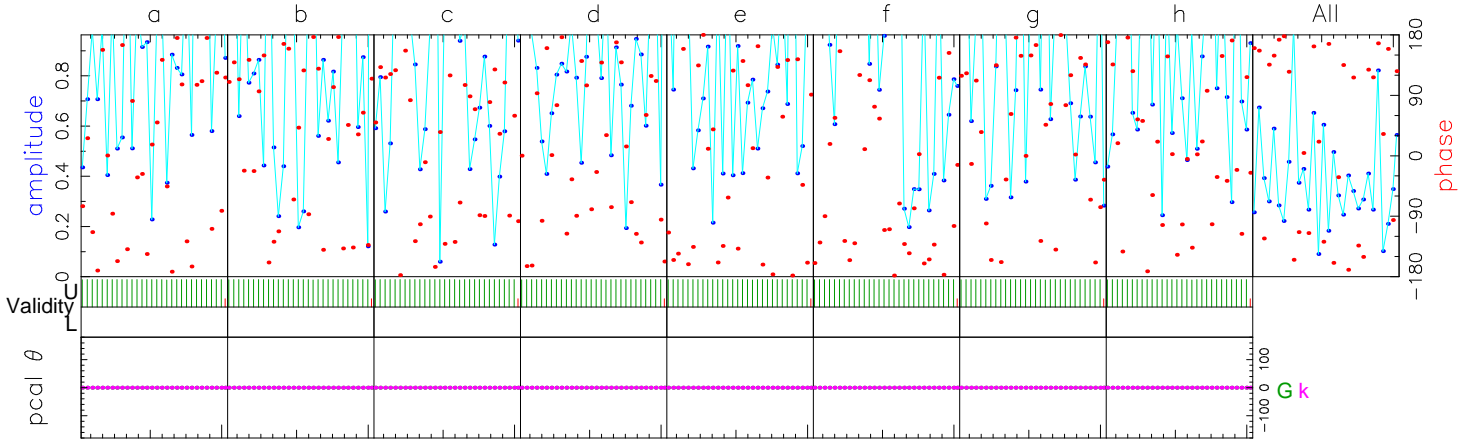


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	168.2	-153.8	173.5	-146.6	-150.1	146.0	-179.0	-173.6	Phase	-177.7
	0.3	0.2	0.7	0.4	0.3	0.4	0.3	0.4	Ampl.	0.3
	1659.0	656.8	217.8	571.4	2045.1	956.1	858.1	505.8	Sbd box	404.2
U/L	59/0	59/0	59/0	59/0	59/0	59/0	59/0	59/0	APs used	
G	0	0	0	0	0	0	0	0	PC freqs	
k	0	0	0	0	0	0	0	0	PC freqs	
G:k	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:k	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
G	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
k	1000	1000	1000	1000	1000	1000	1000	1000		
G	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
k	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	
									Tracks	
Group delay (usec)(sbd)	4.84174172657E+03		Apriori delay (usec)		4.84417232046E+03		Resid mbdelay (usec)		6.90610E-03	+/- 2.0E-04
Sband delay (usec)	4.84174724421E+03		Apriori clock (usec)		-3.4653458E+01		Resid sbdelay (usec)		-2.42508E+00	+/- 1.6E-03
Phase delay (usec)	4.84417231474E+03		Apriori clockrate (us/s)		-9.7300000E-07		Resid phdelay (usec)		-5.72936E-06	+/- 6.7E-07
Delay rate (us/s)	-6.05863330615E-01		Apriori rate (us/s)		-6.05858727462E-01		Resid rate (us/s)		-4.60315E-06	+/- 1.9E-08
Total phase (deg)	68.9		Apriori accel (us/s/s)		-2.56078339391E-05		Resid phase (deg)		-177.7	+/- 20.8

	RMS	Theor.	Amplitude	0.348 +/- 0.063	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5
ph/seg (deg)	62.3	56.8	Search (128X32)	0.257	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us) -4.000 4.000
amp/seg (%)	77.5	99.2	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled
ph/frq (deg)	25.5	29.3	Inc. seg. avg.	0.363	Sample rate(MISamp/s): 128	dr window (ns/s) -0.006 0.006
amp/frq (%)	42.9	51.2	Inc. frq. avg.	0.330	Data rate(Mb/s): 2048	ion window (TEC) 0.00 0.00
					nlags: 1024 t_cohere infinite	

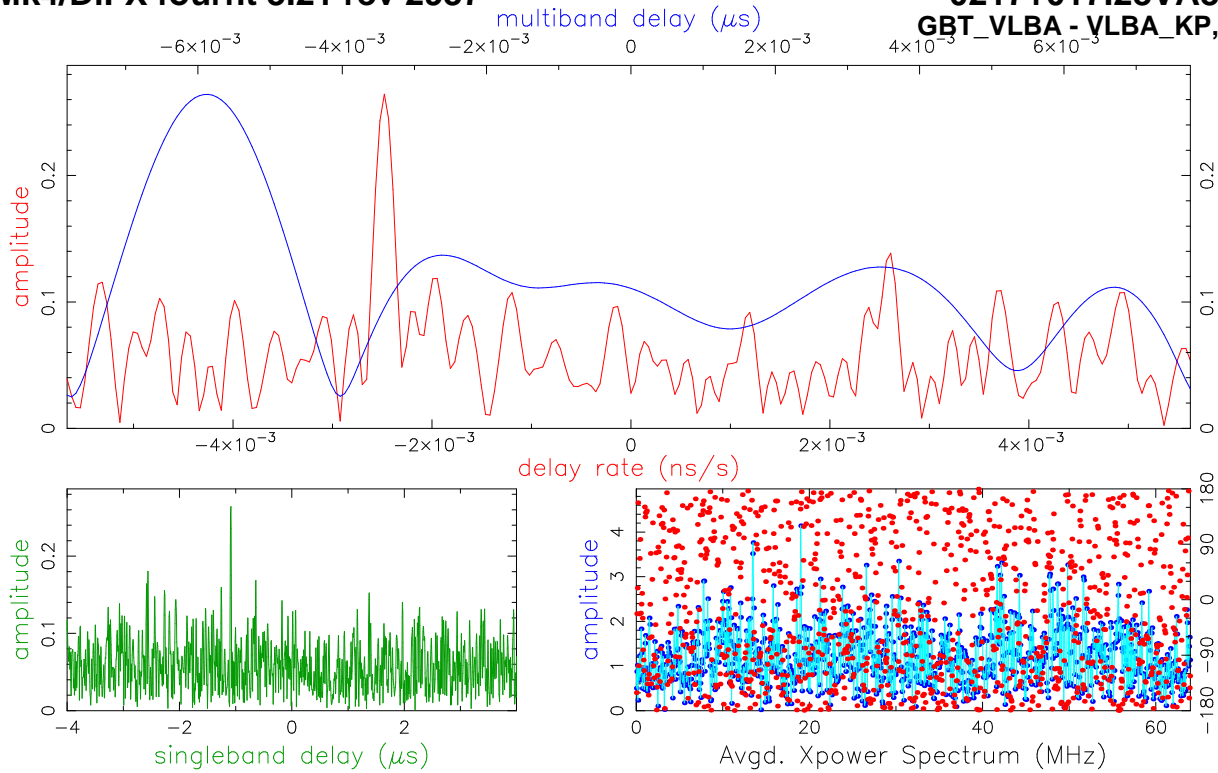


Amp. and Phase vs. time for each freq., 30 segs, 2 APs / seg (2.05 sec / seg.), time ticks 5 sec



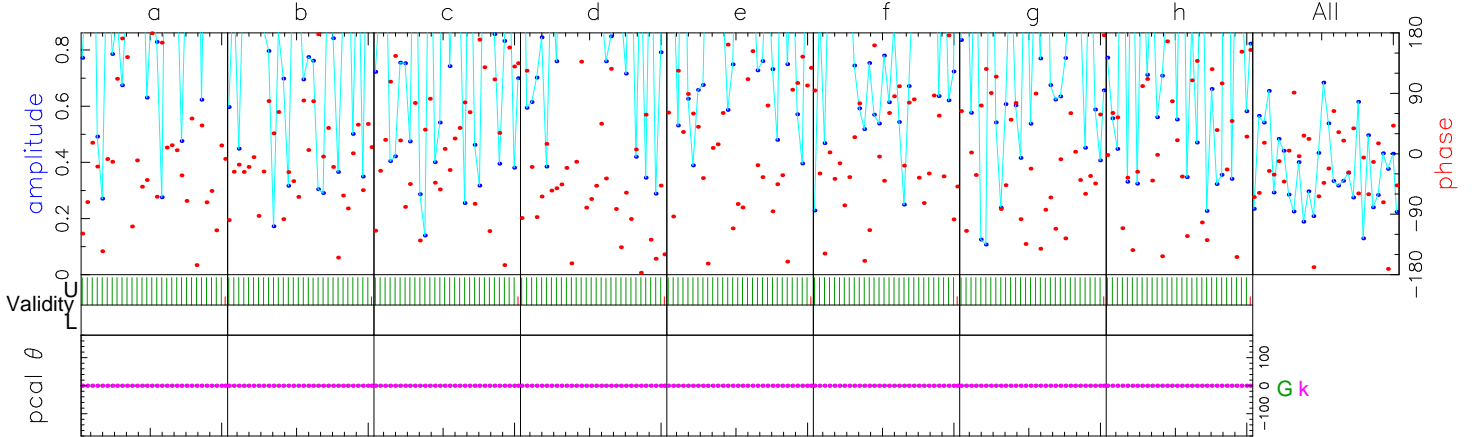
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-175.9	158.2	173.4	-161.3	-172.3	-147.2	141.2	-160.4	Phase	178.8
	0.4	0.4	0.3	0.1	0.6	0.4	0.5	0.1	Ampl.	0.3
	1484.6	585.0	59.9	1393.9	1446.3	1990.5	1637.6	938.2	Sbd box	1445.7
U/L	59/0	59/0	59/0	59/0	59/0	59/0	59/0	59/0	APs used	
G	0	0	0	0	0	0	0	0	PC freqs	
k	0	0	0	0	0	0	0	0	PC freqs	
G:k	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:k	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
G	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
k	1000	1000	1000	1000	1000	1000	1000	1000		
G	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
k	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	
									Tracks	
Group delay (usec)(sbd)	4.84581537023E+03		Apriori delay (usec)		4.84417232046E+03		Resid mbdelay (usec)		2.42476E-03	+/- 2.1E-04
Sband delay (usec)	4.84581559671E+03		Apriori clock (usec)		-3.4653458E+01		Resid sbdelay (usec)		1.64328E+00	+/- 1.6E-03
Phase delay (usec)	4.84417232623E+03		Apriori clockrate (us/s)		-9.7300000E-07		Resid phdelay (usec)		5.76571E-06	+/- 7.1E-07
Delay rate (us/s)	-6.05854307757E-01		Apriori rate (us/s)		-6.05858727462E-01		Resid rate (us/s)		4.41970E-06	+/- 2.0E-08
Total phase (deg)	65.3		Apriori accel (us/s/s)		-2.56078339391E-05		Resid phase (deg)		178.8	+/- 21.9

ph/seg (deg) 70.7 60.1 Search (128X32) 0.240 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 101.4 104.8 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -4.000 4.000
 ph/frq (deg) 25.7 31.0 Inc. seg. avg. 0.330 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 48.7 54.1 Inc. frq. avg. 0.302 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 1024 t_cohere infinite dr window (ns/s) -0.006 0.006
 G: az 145.0 el 48.0 pa -26.3 k: az 109.1 el 30.8 pa -53.2 u,v (fr/asec) 3457.432 754.895 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/3mm/1234/No0243/Gk..28VA81 Output file: /Exps/c221c/FRINGE/3mm/1234/No0243/Gk.W.4.28VA81



Fringe quality 0
SNR 5.6
Int time 59.953
Amp 0.287
Phase -19.8
PFD 6.9e-01
Delays (us)
SBD -1.086863
MBD -0.005882
Fringe rate (Hz)
-0.212251
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 1.024
Exp. c221c
Exper # 16383
Yr:day 2022:093
Start 172001.00
Stop 172101.41
FRT 172131.00
Corr/FF/build
2022:168:125138
2022:168:175933
2021:041:141600
RA & Dec (J2000)
02h17m48.954754s
+01°44'49.699009"

Amp. and Phase vs. time for each freq., 30 segs, 2 APs / seg (2.05 sec / seg.), time ticks 5 sec

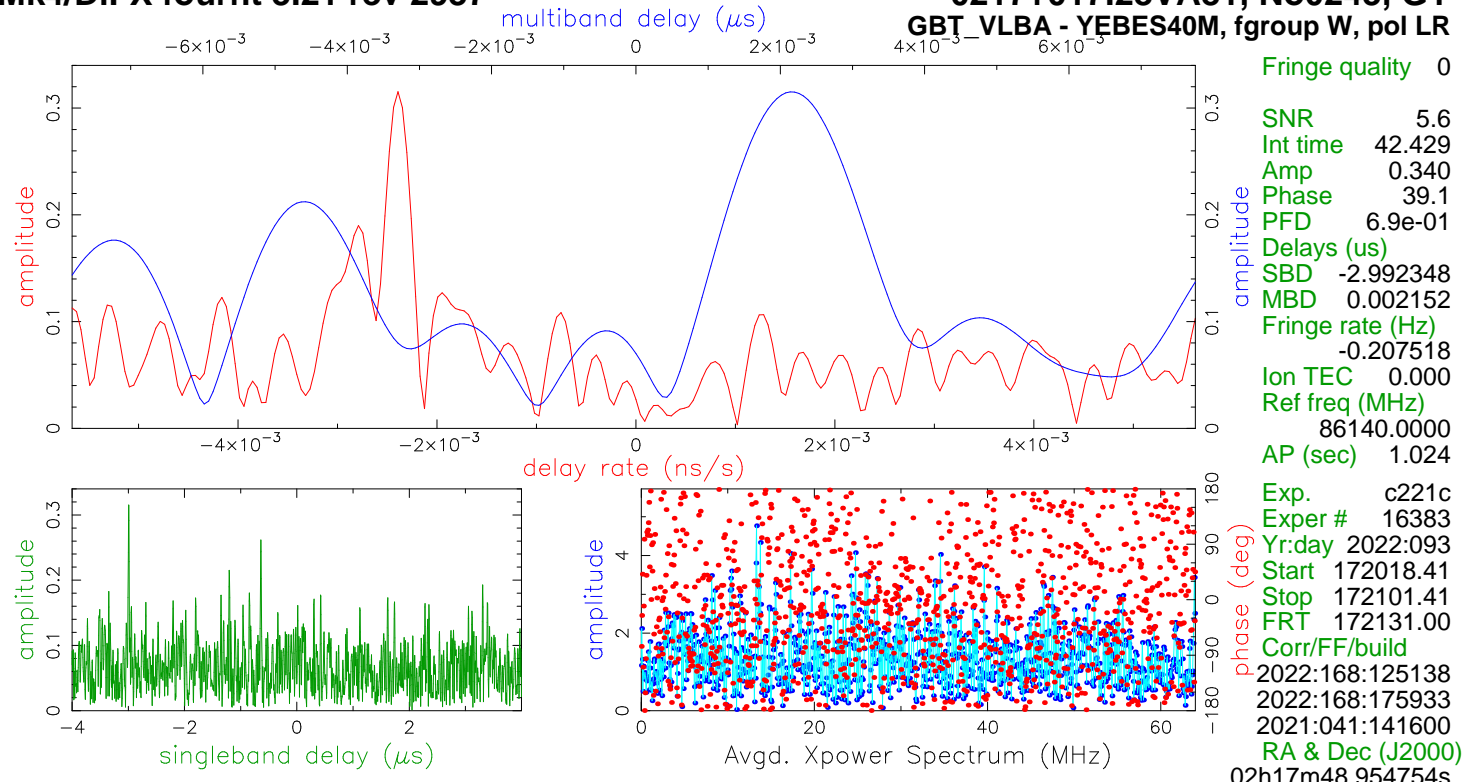


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-29.1	-13.5	46.1	-78.1	36.7	-17.8	-25.9	-28.6	Phase	-19.8
	0.5	0.5	0.3	0.5	0.3	0.5	0.3	0.0	Ampl.	0.3
	746.9	746.0	7.6	747.9	1952.5	1719.6	1392.5	931.4	Sbd box	746.8
U/L	59/0	59/0	59/0	59/0	59/0	59/0	59/0	59/0	APs used	
G	0	0	0	0	0	0	0	0	PC freqs	
k	0	0	0	0	0	0	0	0	PC freqs	
G:k	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:k	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
G	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
k	1000	1000	1000	1000	1000	1000	1000	1000		
G	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
k	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	
									Tracks	
Group delay (usec)(sbd)	4.84308831341E+03		Apriori delay (usec)		4.84417232046E+03		Resid mbdelay (usec)		-5.88205E-03	+/- 1.9E-04
Sband delay (usec)	4.84308545771E+03		Apriori clock (usec)		-3.4653458E+01		Resid sbdelay (usec)		-1.08686E+00	+/- 1.5E-03
Phase delay (usec)	4.84417231982E+03		Apriori clockrate (us/s)		-9.7300000E-07		Resid phdelay (usec)		-6.39874E-07	+/- 6.6E-07
Delay rate (us/s)	-6.05861191485E-01		Apriori rate (us/s)		-6.05858727462E-01		Resid rate (us/s)		-2.46402E-06	+/- 1.9E-08
Total phase (deg)	226.7		Apriori accel (us/s/s)		-2.56078339391E-05		Resid phase (deg)		-19.8	+/- 20.4

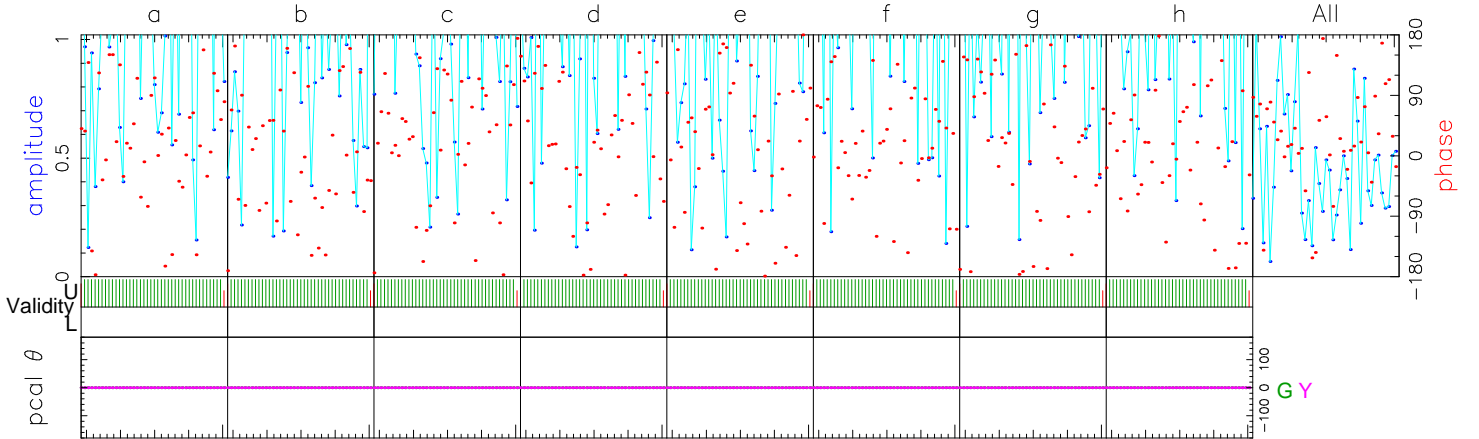
ph/seg (deg) 57.3 55.9 Search (128X32) 0.254 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
amp/seg (%) 69.4 97.5 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -4.000 4.000
ph/frq (deg) 43.2 28.8 Inc. seg. avg. 0.280 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
amp/frq (%) 58.9 50.3 Inc. frq. avg. 0.313 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 1024 t_cohere infinite dr window (ns/s) -0.006 0.006
G: az 145.0 el 48.0 pa -26.3 k: az 109.1 el 30.8 pa -53.2 u,v (fr/asec) 3457.432 754.895 simultaneous interpolator
Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/3mm/1234/No0243/Gk..28VA81 Output file: /Exps/c221c/FRINGE/3mm/1234/No0243/Gk.W.9.28VA81

Mk4/DiFX fourfit 3.21 rev 2937

0217+017.28VA81, No0243, GY
GBT_VLBA - YEBES40M, fgroup W, pol LR



Amp. and Phase vs. time for each freq., 42 segs, 1 APs / seg (1.02 sec / seg.), time ticks 2 sec



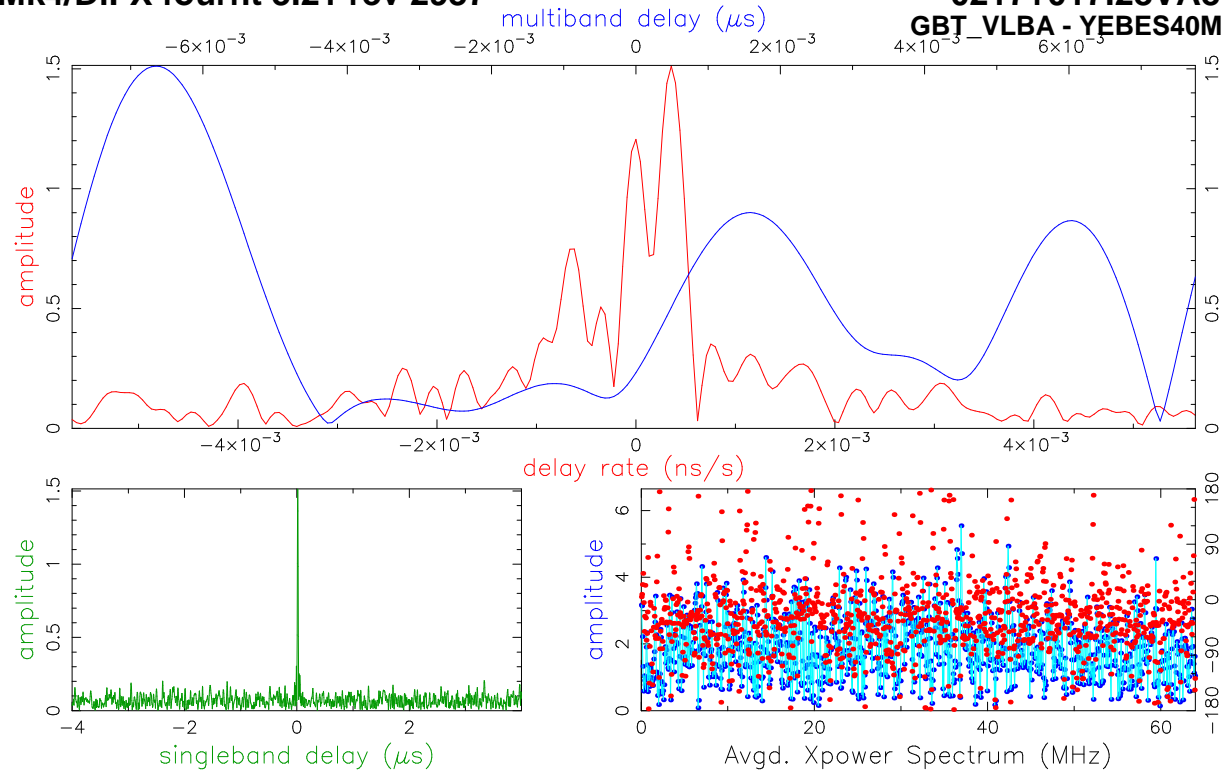
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	31.4	-22.0	63.3	58.6	58.9	35.7	107.7	14.4	Phase	39.1
	0.6	0.2	0.6	0.3	0.1	0.6	0.1	0.4	Ampl.	0.3
	259.3	294.8	460.3	861.0	353.8	627.3	498.8	1127.6	Sbd box	259.0
U/L	42/0	42/0	42/0	42/0	42/0	42/0	42/0	42/0	APs used	
G	0	0	0	0	0	0	0	0	PC freqs	
Y	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: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	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
Y	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	

Group delay (usec)(sbd)	6.04705239077E+03	Apriori delay (usec)	6.05005023918E+03	Resid mbdelay (usec)	2.15160E-03	+/-	1.9E-04
Sband delay (usec)	6.04705789118E+03	Apriori clock (usec)	5.3944130E+00	Resid sbdelay (usec)	-2.99235E+00	+/-	1.5E-03
Phase delay (usec)	6.05005024044E+03	Apriori clockrate (us/s)	1.2070001E-06	Resid phdelay (usec)	1.26135E-06	+/-	6.6E-07
Delay rate (us/s)	1.42110682826E+00	Apriori rate (us/s)	1.42110923734E+00	Resid rate (us/s)	-2.40908E-06	+/-	2.6E-08
Total phase (deg)	256.0	Apriori accel (us/s/s)	-3.22443826356E-05	Resid phase (deg)	39.1	+/-	20.4

ph/seg (deg)	RMS 71.7	Theor. 66.1	Amplitude Search (128X32) 0.340 +/- 0.061	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	
amp/seg (%)	96.5	115.4	Interp. 0.000	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us) -4.000 4.000	
ph/frq (deg)	41.8	28.9	Inc. seg. avg. 0.306	Bits/sample: 2x2	SampCntNorm: enabled	mb window (us) -0.008 0.008
amp/frq (%)	62.1	50.4	Inc. frq. avg. 0.339	Sample rate(MISamp/s): 128		dr window (ns/s) -0.006 0.006
				Data rate(Mb/s): 2048	nlags: 1024 t_cohere infinite	ion window (TEC) 0.00 0.00

G: az 145.0 el 48.0 pa -26.3 Y: az 246.3 el 27.7 pa 44.1 u,v (fr/asec) -8159.270 -339.427 simultaneous interpolator

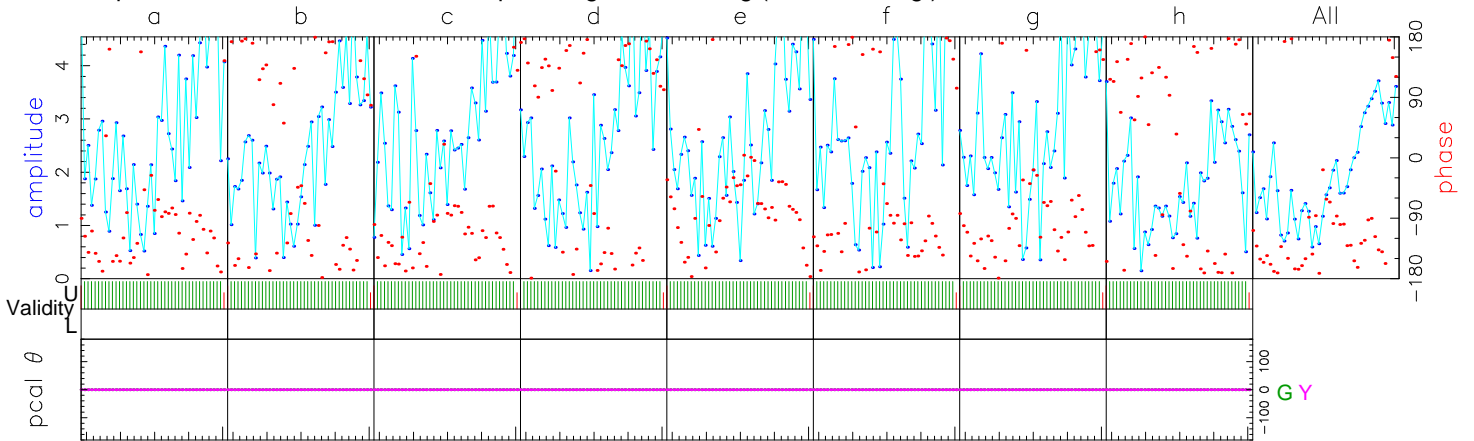
Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/3mm/1234/No0243/GY..28VA81 Output file: /Exps/c221c/FRINGE/3mm/1234/No0243/GY.W.11.28VA81



Fringe quality 8

SNR 26.9
Int time 42.429
Amp 1.514
Phase -135.8
PFD 0.0e+00
Delays (us)
SBD 0.015518
MBD -0.006651
Fringe rate (Hz)
0.031842
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 1.024
Exp. c221c
Exper # 16383
Yr:day 2022:093
Start 172018.41
Stop 172101.41
FRT 172131.00
Corr/FF/build
2022:168:125138
2022:168:175931
2021:041:141600
RA & Dec (J2000)
02h17m48.954754s
+01°44'49.699009"

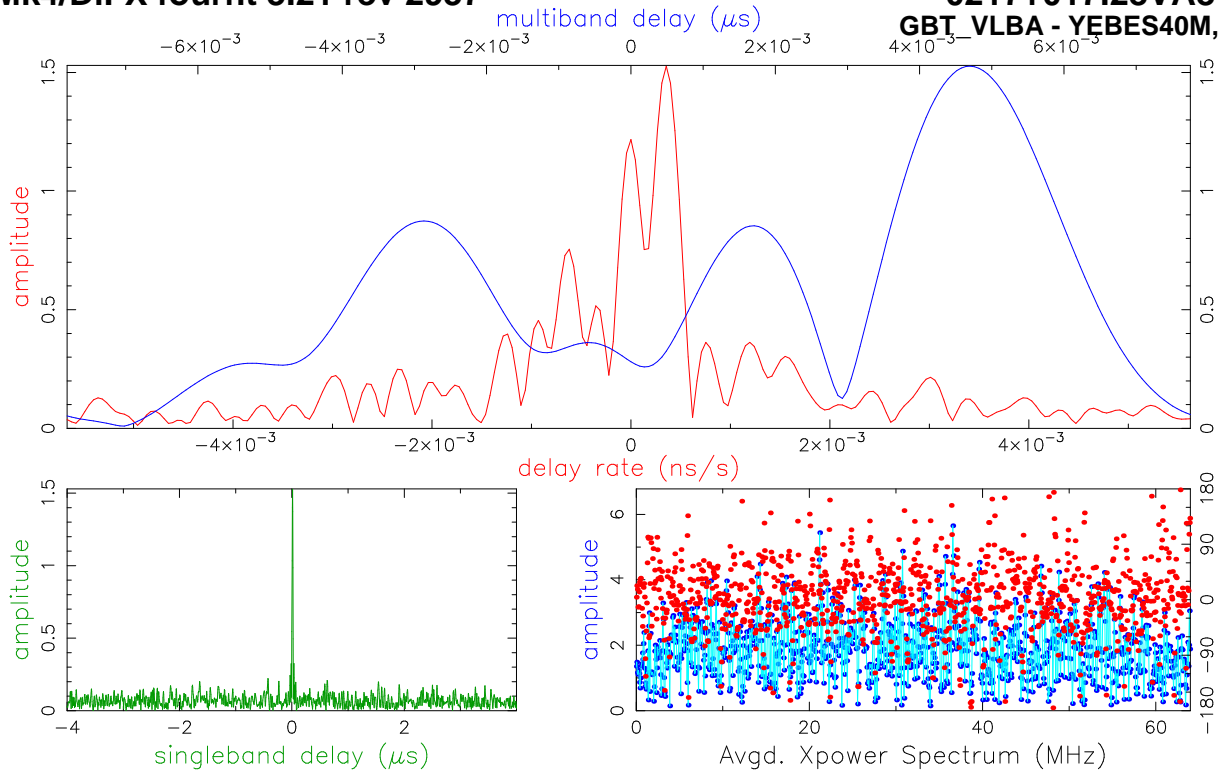
Amp. and Phase vs. time for each freq., 42 segs, 1 APs / seg (1.02 sec / seg.), time ticks 2 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-118.6	-171.1	-128.3	172.6	-76.5	-133.4	-115.2	173.2	Phase	-135.8
	2.1	1.6	2.0	1.9	1.9	2.0	2.1	1.1	Ampl.	1.8
	1029.0	1028.9	1028.7	1028.9	1028.4	1028.4	1028.4	1026.8	Sbd box	1029.0
U/L	42/0	42/0	42/0	42/0	42/0	42/0	42/0	42/0	APs used	
G	0	0	0	0	0	0	0	0	PC freqs	
Y	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: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	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
Y	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	
									Tracks	
Group delay (usec)(sbd)	6.05005921352E+03		Apriori delay (usec)		6.05005023918E+03		Resid mbdelay (usec)		-6.65065E-03	+/- 4.0E-05
Sband delay (usec)	6.05006575668E+03		Apriori clock (usec)		5.3944130E+00		Resid sbdelay (usec)		1.55175E-02	+/- 3.2E-04
Phase delay (usec)	6.05005023480E+03		Apriori clockrate (us/s)		1.2070001E-06		Resid phdelay (usec)		-4.37938E-06	+/- 1.4E-07
Delay rate (us/s)	1.42110960700E+00		Apriori rate (us/s)		1.42110923734E+00		Resid rate (us/s)		3.69657E-07	+/- 5.5E-09
Total phase (deg)	81.1		Apriori accel (us/s/s)		-3.22443826356E-05		Resid phase (deg)		-135.8	+/- 4.3

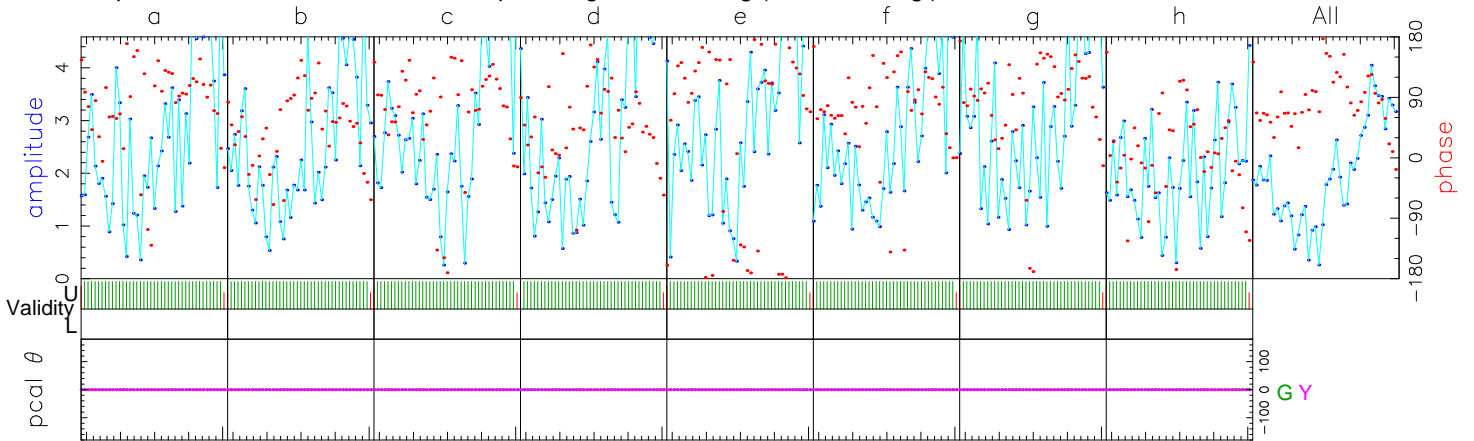
	RMS	Theor.	Amplitude	1.514 +/- 0.056	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-4.000	4.000
ph/seg (deg)	40.9	13.8	Search (128X32)	1.485	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	SampCntNorm: enabled	mb window (us)	-0.008	0.008
amp/seg (%)	66.4	24.1	Interp.	0.000	Sample rate(MISamp/s): 128	nlags: 1024 t_cohere infinite	dr window (ns/s)	-0.006	0.006
ph/frq (deg)	42.4	6.0	Inc. seg. avg.	1.892	Data rate(Mb/s): 2048		ion window (TEC)	0.00	0.00
amp/frq (%)	29.5	10.5	Inc. frq. avg.	1.831					

G: az 145.0 el 48.0 pa -26.3 Y: az 246.3 el 27.7 pa 44.1 u,v (fr/asec) -8159.270 -339.427 simultaneous interpolator
Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/3mm/1234/No0243/GY..28VA81 Output file: /Exps/c221c/FRINGE/3mm/1234/No0243/GY.W.1.28VA81



Fringe quality 8
SNR 27.2
Int time 42.429
Amp 1.530
Phase 83.4
PFD 0.0e+00
Delays (us)
SBD 0.011522
MBD 0.004692
Fringe rate (Hz)
0.032097
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 1.024
Exp. c221c
Yr:day 16383
2022:168:125138
2022:168:175932
2021:041:141600
RA & Dec (J2000)
02h17m48.954754s
+01°44'49.699009"

Amp. and Phase vs. time for each freq., 42 segs, 1 APs / seg (1.02 sec / seg.), time ticks 2 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	95.0	47.1	90.9	47.2	147.0	84.4	100.0	8.4	Phase	83.4
	1.9	1.8	2.1	1.9	2.2	1.9	2.2	1.2	Ampl.	1.9
	1027.9	1026.8	1027.9	1027.8	1027.7	1027.2	1027.5	1025.4	Sbd box	1027.9
U/L	42/0	42/0	42/0	42/0	42/0	42/0	42/0	42/0	APs used	
G	0	0	0	0	0	0	0	0	PC freqs	
Y	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: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	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
Y	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	

Group delay (usec)(sbd)	6.05005493140E+03	Apriori delay (usec)	6.05005023918E+03	Resid mbdelay (usec)	4.69222E-03	+/-	4.0E-05
Sband delay (usec)	6.05006176143E+03	Apriori clock (usec)	5.3944130E+03	Resid sbdelay (usec)	1.15223E-02	+/-	3.2E-04
Phase delay (usec)	6.05005024186E+03	Apriori clockrate (us/s)	1.2070001E-06	Resid phdelay (usec)	2.68790E-06	+/-	1.4E-07
Delay rate (us/s)	1.42110960995E+00	Apriori rate (us/s)	1.42110923734E+00	Resid rate (us/s)	3.72611E-07	+/-	5.5E-09
Total phase (deg)	300.3	Apriori accel (us/s/s)	-3.22443826356E-05	Resid phase (deg)	83.4	+/-	4.2

ph/seg (deg)	RMS 39.8	Theor. 13.7	Amplitude Search (128X32)	1.530 +/- 0.056	1.486	PCal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	
amp/seg (%)	68.0	23.8	Interp.	0.000	1.486	PCal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us) -4.000 4.000	
ph/frq (deg)	46.1	6.0	Inc. seg. avg.	1.909	1.909	Bits/sample: 2x2	SampCntNorm: enabled	mb window (us) -0.008 0.008
amp/frq (%)	31.7	10.4	Inc. frq. avg.	1.890	1.890	Sample rate(MISamp/s): 128	dr window (ns/s) -0.006 0.006	
						Data rate(Mb/s): 2048	nlags: 1024 t_cohere infinite	ion window (TEC) 0.00 0.00

G: az 145.0 el 48.0 pa -26.3 Y: az 246.3 el 27.7 pa 44.1 u,v (fr/asec) -8159.270 -339.427 simultaneous interpolator
Control file: cf_1234_gmva Input file: /Exps/c221c/FRINGE/3mm/1234/No0243/GY..28VA81 Output file: /Exps/c221c/FRINGE/3mm/1234/No0243/GY.W.6.28VA81