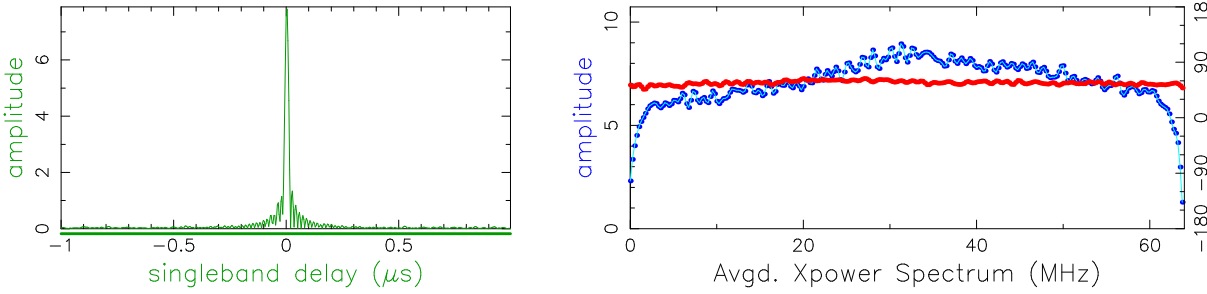
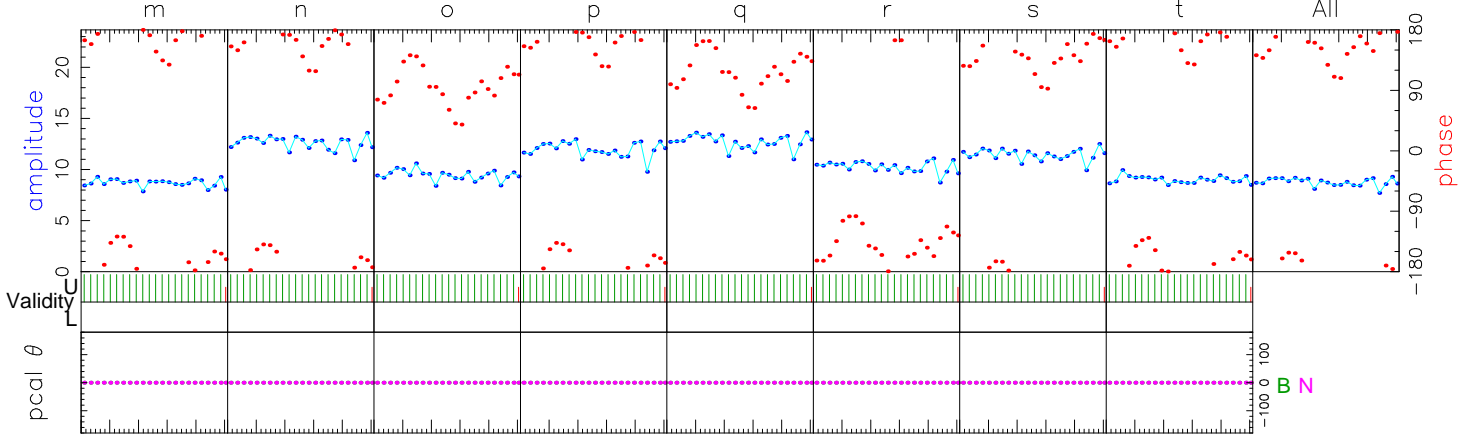


Fringe quality 4
SNR 373.3
Int time 299.958
Amp 7.891
Phase 162.5
PFD 0.0e+00
Delays (us)
SBD 0.002642
MBD -0.006539
Fringe rate (Hz)
-0.052287
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512
Exp. t241a
Exper # 1234
Yr:day 2024:079
Start 082000.00
Stop 082500.03
FRT 082230.00
Corr/FF/build
2024:080:071429
2024:080:073812
2023:348:201045
RA & Dec (J2000)
22h02m43.291370s
+42°16'39.979897"



Amp. and Phase vs. time for each freq., 23 segs, 26 APs / seg (13.31 sec / seg.), time ticks 10 sec

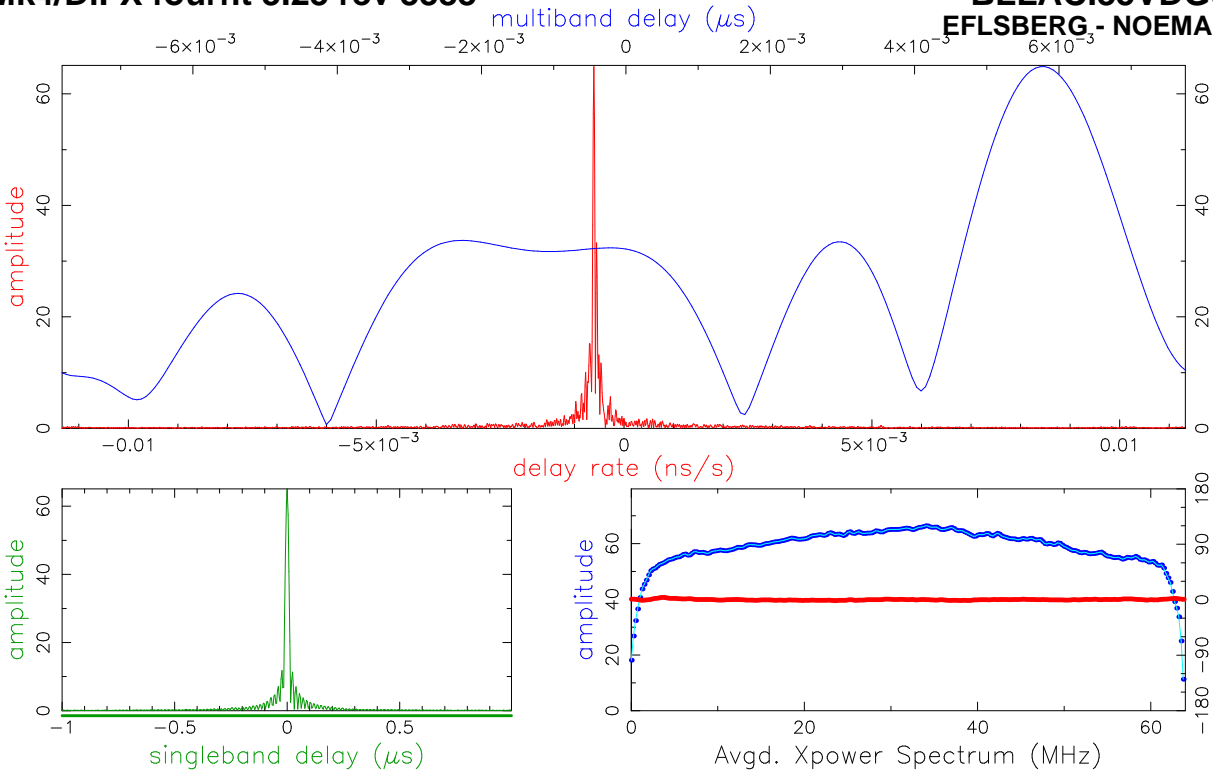


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-175.9	174.2	95.7	178.0	118.8	-142.3	147.7	-177.7	Phase	162.5
	7.7	11.2	8.4	10.7	11.3	9.1	10.2	8.1	Ampl.	9.6
	255.9	257.6	258.5	258.3	258.5	258.4	258.2	256.9	Sbd box	257.7
U/L	586/0	586/0	586/0	586/0	586/0	586/0	586/0	586/0	APs used	
B	0	0	0	0	0	0	0	0	PC freqs	
N	0	0	0	0	0	0	0	0	PC freqs	
B:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
B:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
N	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
N	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	

Group delay (usec) (SBD) -7.63980562155E+01 Apriori delay (usec) -7.64071418464E+01 Resid mbdelay (usec) -6.53937E-03 +/- 2.9E-06
Sband delay (usec) -7.64044995964E+01 Apriori clock (usec) -2.1255547E+01 Resid sbdelay (usec) 2.64225E-03 +/- 2.3E-05
Phase delay (usec) -7.64071366050E+01 Apriori clockrate (us/s) 4.1220581E-07 Resid phdelay (usec) 5.24138E-06 +/- 9.9E-09
Delay rate (us/s) -4.42274361555E-02 Apriori rate (us/s) -4.42268291519E-02 Resid rate (us/s) -6.07004E-07 +/- 5.7E-11
Total phase (deg) 91.0 Apriori accel (us/s/s) 5.55545498695E-06 Resid phase (deg) 162.5 +/- 0.3

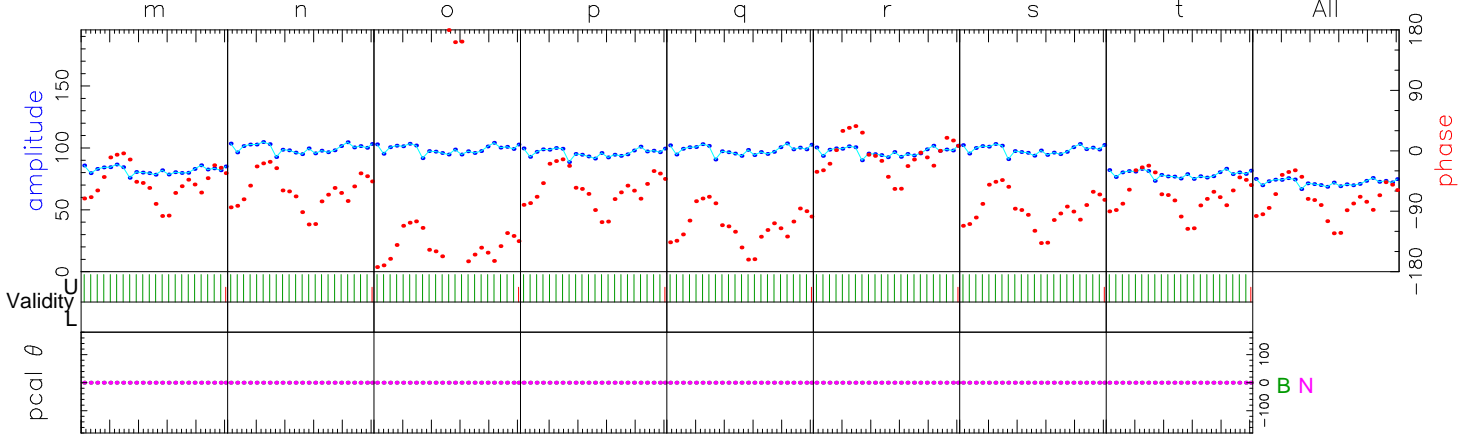
RMS Theor. Amplitude 7.891 +/- 0.021 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
ph/seg (deg) 27.5 0.7 Search (2048X32) 7.720 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
amp/seg (%) 12.3 1.3 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
ph/frq (deg) 42.6 0.4 Inc. seg. avg. 8.782 Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us dr window (ns/s) -0.011 0.011
amp/frq (%) 27.4 0.8 Inc. frq. avg. 9.584 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite ion window (TEC) 0.00 0.00

B: az 110.4 el 73.1 pa -53.5 N: az 89.8 el 73.5 pa -74.1 u,v (fr/asec) 350.766 847.877 simultaneous interpolator
Control file: cf_1234_gmva Input file: /Exps/t241/FRINGE/1234/No0089/BN..35VDG0 Output file: /Exps/t241/FRINGE/1234/No0089/BN.W.10.35VDG0



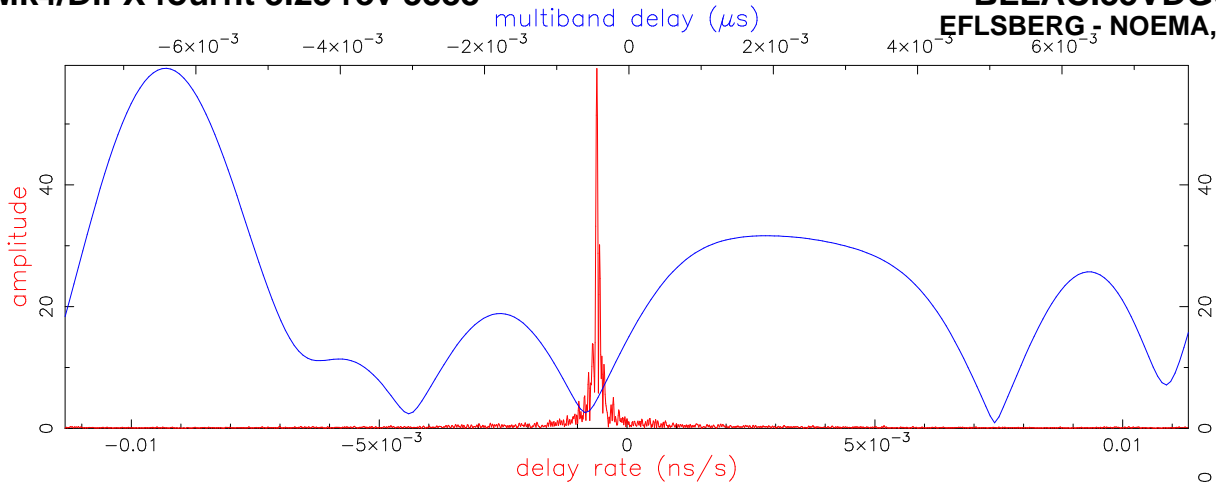
Fringe quality 4
 SNR 3080.4
 Int time 299.958
 Amp 65.117
 Phase -72.7
 PFD 0.0e+00
 Delays (us)
 SBD -0.000563
 MBD 0.005756
 Fringe rate (Hz)
 -0.052293
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512
 Exp. t241a
 Exper # 1234
 Yr:day 2024:079
 Start 082000.00
 Stop 082500.03
 FRT 082230.00
 Corr/FF/build
 2024:080:071429
 2024:080:073804
 2023:348:201045
 RA & Dec (J2000)
 22h02m43.291370s
 +42°16'39.979897"

Amp. and Phase vs. time for each freq., 23 segs, 26 APs / seg (13.31 sec / seg.), time ticks 10 sec

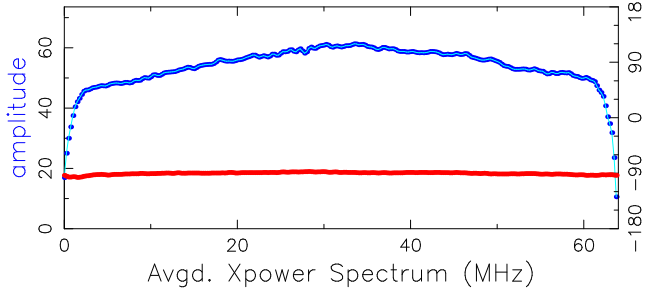
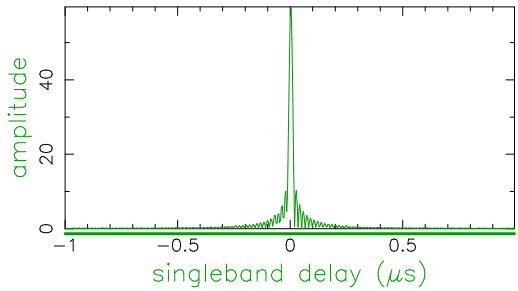


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-47.1	-59.7	-148.5	-56.1	-112.0	-6.9	-87.2	-65.7	Phase	-72.7
	73.9	89.9	89.2	86.6	88.6	87.4	88.7	71.0	Ampl.	84.4
	255.5	256.6	257.7	257.6	257.7	257.5	257.2	256.0	Sbd box	256.9
U/L	586/0	586/0	586/0	586/0	586/0	586/0	586/0	586/0	APs used	
B	0	0	0	0	0	0	0	0	PC freqs	
N	0	0	0	0	0	0	0	0	PC freqs	
B:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
B:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
N	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
N	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	
									Tracks	
Group delay (usec) (SBD)	-7.64013857780E+01		Apriori delay (usec)	-7.64071418464E+01	Resid mbdelay (usec)	5.75607E-03	+/-	3.5E-07		
Sband delay (usec)	-7.64077048464E+01		Apriori clock (usec)	-2.1255547E+01	Resid sbdelay (usec)	-5.63000E-04	+/-	2.8E-06		
Phase delay (usec)	-7.64071441897E+01		Apriori clockrate (us/s)	4.1220581E-07	Resid phdelay (usec)	-2.34332E-06	+/-	1.2E-09		
Delay rate (us/s)	-4.42274362256E-02		Apriori rate (us/s)	-4.42268291519E-02	Resid rate (us/s)	-6.07074E-07	+/-	6.9E-12		
Total phase (deg)		-144.2	Apriori accel (us/s/s)	5.55545498695E-06	Resid phase (deg)	-72.7	+/-	0.0		

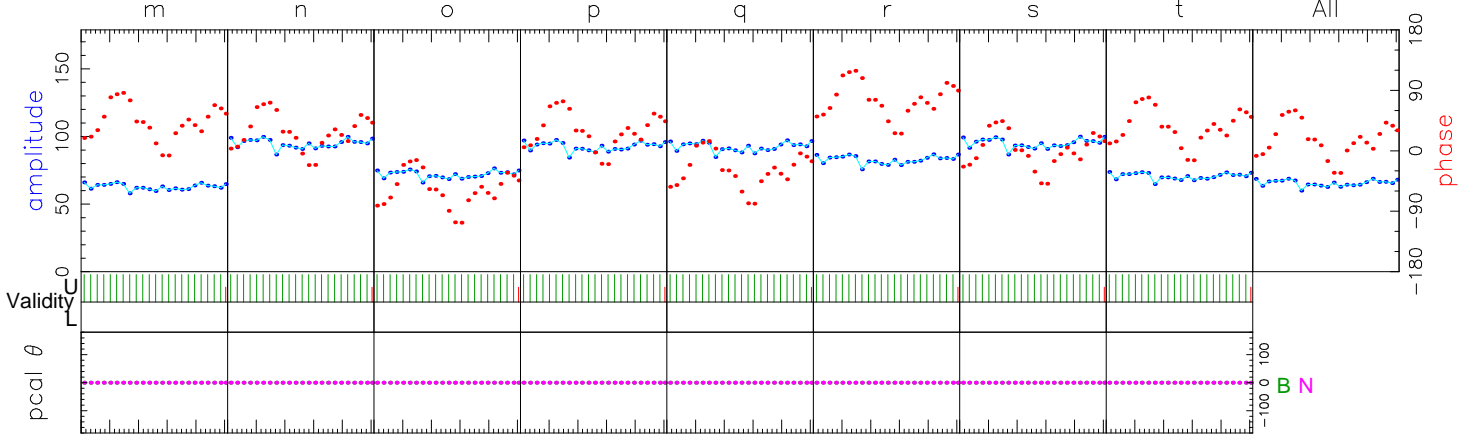
RMS Theor. Amplitude 65.117 +/- 0.021 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 26.0 0.1 Search (2048X32) 64.286 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 amp/seg (%) 11.4 0.2 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 ph/frq (deg) 46.5 0.1 Inc. seg. avg. 72.134 Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us dr window (ns/s) -0.011 0.011
 amp/frq (%) 31.6 0.1 Inc. frq. avg. 84.427 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite ion window (TEC) 0.00 0.00
 B: az 110.4 el 73.1 pa -53.5 N: az 89.8 el 73.5 pa -74.1 u,v (fr/asec) 350.766 847.877 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/t241/FRINGE/1234/No0089/BN..35VDG0 Output file: /Exps/t241/FRINGE/1234/No0089/BN.W.2.35VDG0



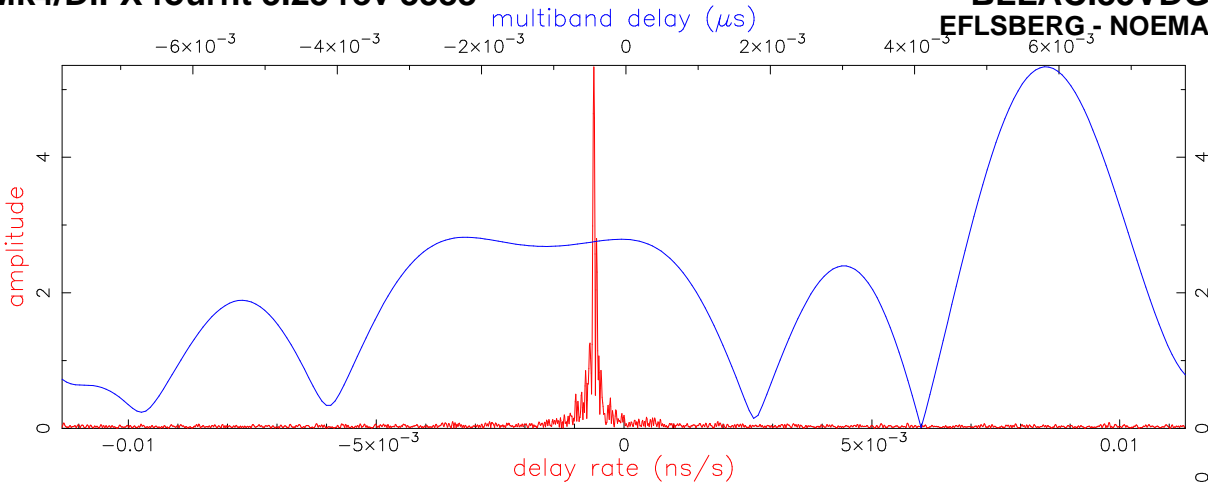
Fringe quality 4
 SNR 2820.7
 Int time 299.958
 Amp 59.627
 Phase 16.6
 PFD 0.0e+00
 Delays (us)
 SBD 0.002814
 MBD -0.006455
 Fringe rate (Hz)
 -0.052304
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512
 Exp. t241a
 Exper # 1234
 Yr:day 2024:079
 Start 082000.00
 Stop 082500.03
 FRT 082230.00
 Corr/FF/build
 2024:080:071429
 2024:080:073807
 2023:348:201045
 RA & Dec (J2000)
 22h02m43.291370s
 +42°16'39.979897"



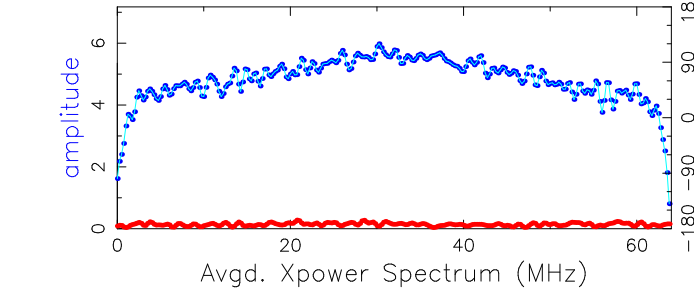
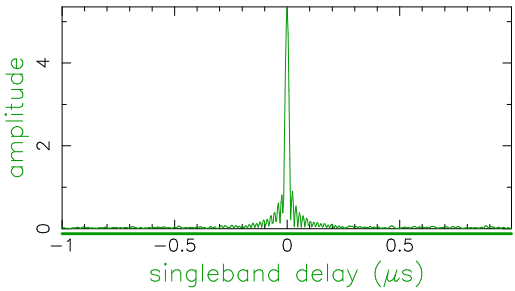
Amp. and Phase vs. time for each freq., 23 segs, 26 APs / seg (13.31 sec / seg.), time ticks 10 sec



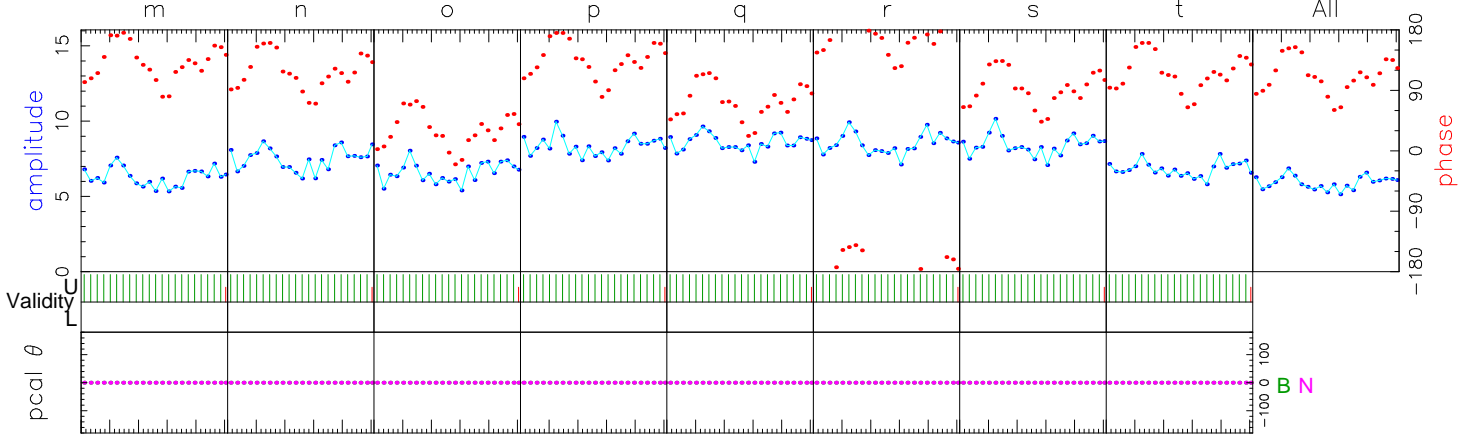
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All	
U/L	586/0	586/0	586/0	586/0	586/0	586/0	586/0	586/0			
B	0	0	0	0	0	0	0	0	APs used		
N	0	0	0	0	0	0	0	0	PC freqs		
B:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase		
B:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC		
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp		
N	1000	1000	1000	1000	1000	1000	1000	1000			
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids		
N	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks		
Group delay (usec) (SBD)	-7.63979716843E+01								Resid mbdelay (usec)	-6.45484E-03 +/- 3.8E-07	
Sband delay (usec)	-7.64043278464E+01								Resid sbdelay (usec)	2.81400E-03 +/- 3.1E-06	
Phase delay (usec)	-7.64071413123E+01								Resid phdelay (usec)	5.34101E-03 +/- 1.3E-09	
Delay rate (us/s)	-4.42274363439E-02								Resid rate (us/s)	-6.07192E-07 +/- 7.6E-12	
Total phase (deg)			-55.0						Resid phase (deg)	16.6 +/- 0.0	
RMS	25.8	0.1							PCal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	
ph/seg (deg)	25.8	0.1	Amplitude	59.627 +/- 0.021					PCal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us) -1.000 1.000	
amp/seg (%)	10.7	0.2	Search (2048X32)	58.596					Bits/sample: 2x2	SampCntNorm: enabled	mb window (us) -0.008 0.008
ph/frq (deg)	46.0	0.1	Inc. seg. avg.	65.593					Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us	dr window (ns/s) -0.011 0.011	
amp/frq (%)	31.3	0.1	Inc. frq. avg.	74.865					Data rate(Mb/s): 2048	nlags: 256 t_cohere infinite	ion window (TEC) 0.00 0.00
B: az 110.4 el 73.1 pa -53.5		N: az 89.8 el 73.5 pa -74.1									simultaneous interpolator
Control file: cf_1234_gmva		Input file: /Exps/t241/FRINGE/1234/No0089/BN..35VDG0									Output file: /Exps/t241/FRINGE/1234/No0089/BN.W.4.35VDG0



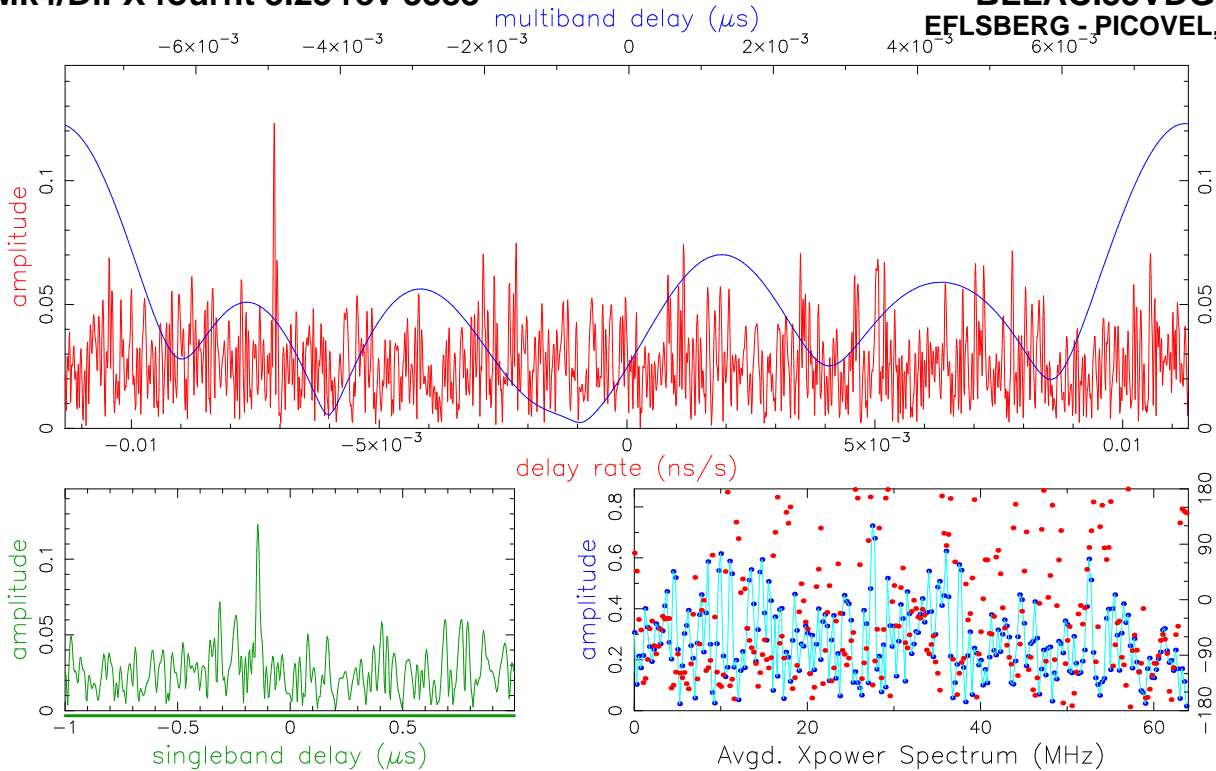
Fringe quality 4
SNR 253.4
Int time 299.958
Amp 5.356
Phase 112.2
PFD 0.0e+00
Delays (us)
SBD -0.000697
MBD 0.005795
Fringe rate (Hz)
-0.052313
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512
Exp. t241a
Exper # 1234
Yr:day 2024:079
Start 082000.00
Stop 082500.03
FRT 082230.00
Corr/FF/build
2024:080:071429
2024:080:073809
2023:348:201045
RA & Dec (J2000)
22h02m43.291370s
+42°16'39.979897"



Amp. and Phase vs. time for each freq., 23 segs, 26 APs / seg (13.31 sec / seg.), time ticks 10 sec

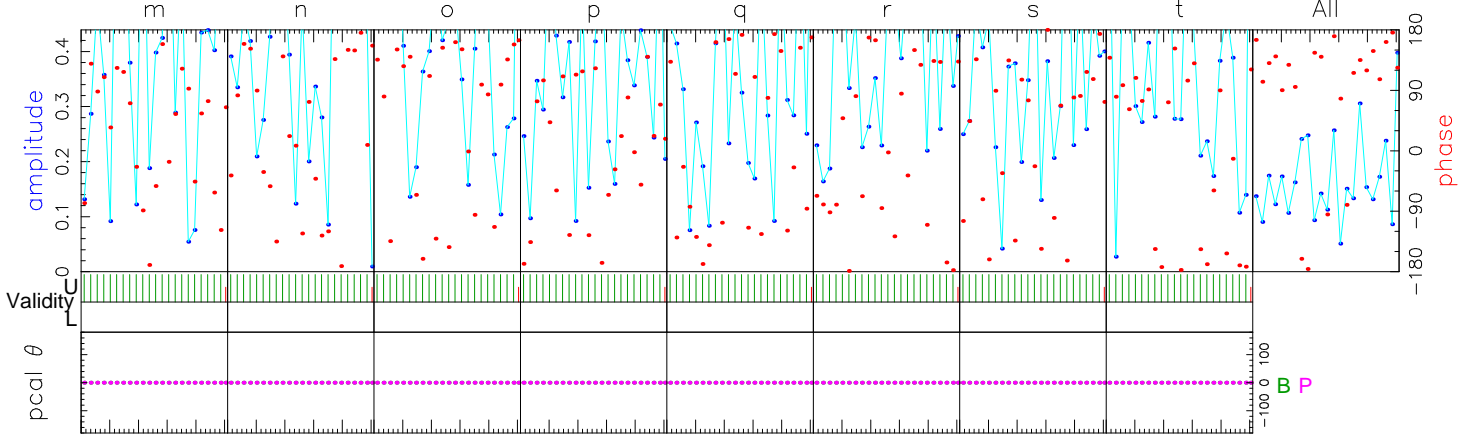


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	132.7	118.5	31.8	135.7	74.2	176.3	93.7	116.6	Phase	112.2
	5.6	6.8	6.0	7.6	7.8	7.6	7.6	6.1	Ampl.	6.9
	255.5	256.8	257.8	257.6	257.8	257.5	257.2	255.9	Sbd box	256.8
U/L	586/0	586/0	586/0	586/0	586/0	586/0	586/0	586/0	APs used	
B	0	0	0	0	0	0	0	0	PC freqs	
N	0	0	0	0	0	0	0	0	PC freqs	
B:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
B:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
N	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
N	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	
									Tracks	
Group delay (usec) (SBD)	-7.64013465593E+01					-7.64071418464E+01			Resid mbdelay (usec)	5.79529E-03 +/- 4.3E-06
Sband delay (usec)	-7.64078385964E+01					-2.1255547E+01			Resid sbdelay (usec)	-6.96750E-04 +/- 3.4E-05
Phase delay (usec)	-7.64071382286E+01					4.1220581E-07			Resid phdelay (usec)	3.61786E-06 +/- 1.5E-08
Delay rate (us/s)	-4.42274364545E-02					-4.42268291519E-02			Resid rate (us/s)	-6.07303E-07 +/- 8.4E-11
Total phase (deg)			40.7			5.55545498695E-06			Resid phase (deg)	112.2 +/- 0.5
	RMS	Theor.	Amplitude	5.356 +/- 0.021					Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5
ph/seg (deg)	26.0	1.1	Search (2048X32)	5.281					Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us) -1.000 1.000
amp/seg (%)	13.3	1.9	Interp.	0.000					Bits/sample: 2x2	SampCntNorm: enabled mb window (us) -0.008 0.008
ph/frq (deg)	47.2	0.6	Inc. seg. avg.	5.926					Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us	dr window (ns/s) -0.011 0.011
amp/frq (%)	32.3	1.1	Inc. frq. avg.	6.885					Data rate(Mb/s): 2048	nlags: 256 t_cohere infinite ion window (TEC) 0.00 0.00
B: az 110.4 el 73.1 pa -53.5			N: az 89.8 el 73.5 pa -74.1			u, v (fr/asec) 350.766 847.877				simultaneous interpolator
Control file: cf_1234_gmva			Input file: /Exps/t241/FRINGE/1234/No0089/BN..35VDG0			Output file: /Exps/t241/FRINGE/1234/No0089/BN.W.7.35VDG0				



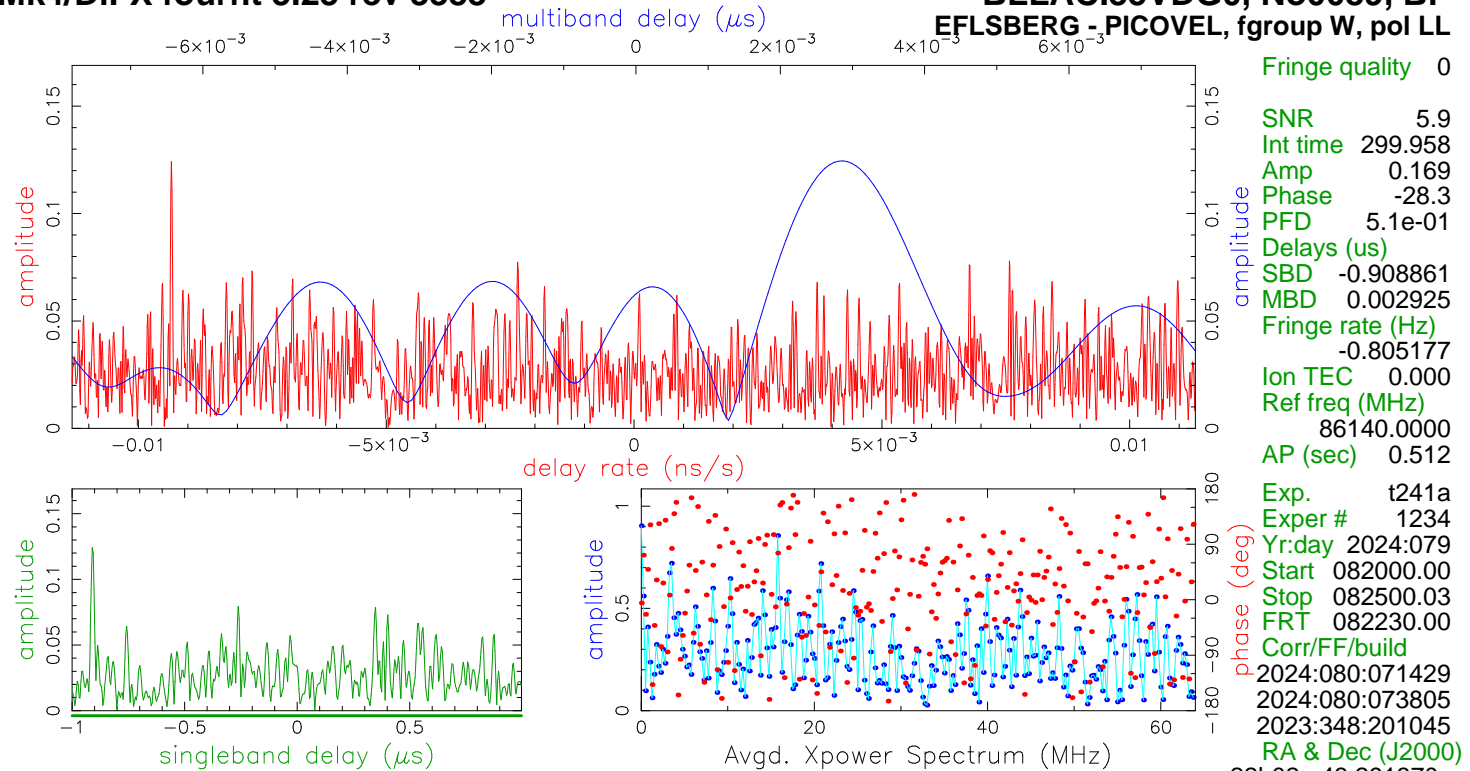
Fringe quality 0
SNR 5.9
Int time 299.958
Amp 0.146
Phase 144.9
PFD 6.9e-01
Delays (us)
SBD -0.143567
MBD -0.007911
Fringe rate (Hz)
-0.614201
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512
Exp. t241a
Exper # 1234
Yr:day 2024:079
Start 082000.00
Stop 082500.03
FRT 082230.00
Corr/FF/build
2024:080:071429
2024:080:073813
2023:348:201045
RA & Dec (J2000)
22h02m43.291370s
+42°16'39.979897"

Amp. and Phase vs. time for each freq., 23 segs, 26 APs / seg (13.31 sec / seg.), time ticks 10 sec

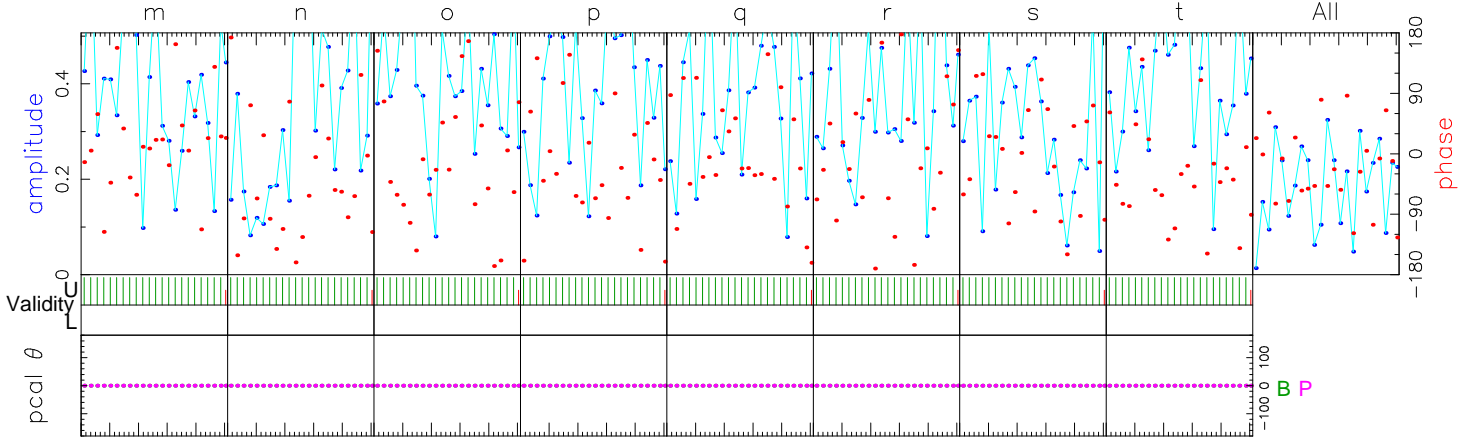


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	89.4	168.2	156.3	75.7	-170.9	173.1	139.7	125.4	Phase	144.9
	0.1	0.2	0.3	0.1	0.2	0.1	0.1	0.3	Ampl.	0.2
	172.5	277.9	220.3	498.8	221.1	200.7	347.3	196.1	Sbd box	220.2
U/L	586/0	586/0	586/0	586/0	586/0	586/0	586/0	586/0	APs used	
B	0	0	0	0	0	0	0	0	PC freqs	
P	0	0	0	0	0	0	0	0	PC freqs	
B:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
B:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
P	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
P	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	
									Tracks	
Group delay (usec) (SBD)	9.97680619757E+02		Apriori delay (usec)		9.97829156132E+02		Resid mbdelay (usec)		-7.91137E-03	+/- 1.9E-04
Sband delay (usec)	9.97685589632E+02		Apriori clock (usec)		-3.3786495E+01		Resid sbdelay (usec)		-1.43567E-01	+/- 1.5E-03
Phase delay (usec)	9.97829160805E+02		Apriori clockrate (us/s)		3.9827031E-07		Resid phdelay (usec)		4.67354E-06	+/- 6.3E-07
Delay rate (us/s)	-2.13946250705E-01		Apriori rate (us/s)		-2.13939120445E-01		Resid rate (us/s)		-7.13026E-06	+/- 3.6E-09
Total phase (deg)	328.2		Apriori accel (us/s/s)		7.37427446570E-06		Resid phase (deg)		144.9	+/- 19.5

ph/seg (deg) RMS Theor. Amplitude 0.146 +/- 0.025 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 66.6 81.8 Interp. 0.122 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 44.2 27.6 Inc. seg. avg. 0.145 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 48.7 48.2 Inc. frq. avg. 0.157 Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us dr window (ns/s) -0.011 0.011
 B: az 110.4 el 73.1 pa -53.5 P: az 67.7 el 65.0 pa -91.8 u,v (fr/asec) 1670.059 1620.013 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/t241/FRINGE/1234/No0089/BP..35VDG0 Output file: /Exps/t241/FRINGE/1234/No0089/BP.W.12.35VDG0



Amp. and Phase vs. time for each freq., 23 segs, 26 APs / seg (13.31 sec / seg.), time ticks 10 sec



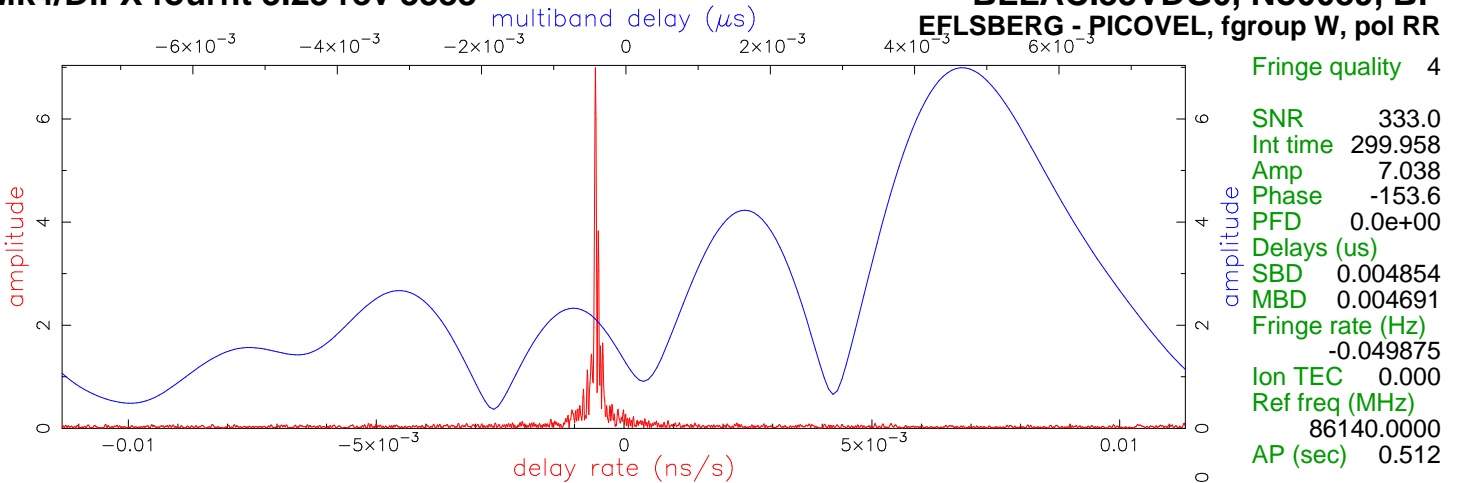
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	1.8	-89.8	-62.2	-31.1	9.4	-23.9	-2.6	-57.4	Phase	-28.3
	0.3	0.2	0.1	0.2	0.2	0.1	0.1	0.3	Ampl.	0.2
	236.9	140.5	506.4	190.7	177.0	236.2	55.0	190.7	Sbd box	24.3
U/L	586/0	586/0	586/0	586/0	586/0	586/0	586/0	586/0	APs used	
B	0	0	0	0	0	0	0	0	PC freqs	
P	0	0	0	0	0	0	0	0	PC freqs	
B:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
B:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
P	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
P	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	

Group delay (usec) (SBD)	9.96925831221E+02	Apriori delay (usec)	9.97829156132E+02	Resid mbdelay (usec)	2.92509E-03	+/-	1.8E-04
Sband delay (usec)	9.96920295632E+02	Apriori clock (usec)	-3.3786495E+01	Resid sbdelay (usec)	-9.08861E-01	+/-	1.4E-03
Phase delay (usec)	9.97829155219E+02	Apriori clockrate (us/s)	3.9827031E-07	Resid phdelay (usec)	-9.12174E-07	+/-	6.2E-07
Delay rate (us/s)	-2.13948467755E-01	Apriori rate (us/s)	-2.13939120445E-01	Resid rate (us/s)	-9.34731E-06	+/-	3.6E-09
Total phase (deg)	155.0	Apriori accel (us/s/s)	7.37427446570E-06	Resid phase (deg)	-28.3	+/-	19.3

ph/seg (deg)	57.9	Theor.	46.2	Amplitude	0.169 +/- 0.028	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5	
amp/seg (%)	85.4		80.7	Search (2048X32)	0.122	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000	
ph/frq (deg)	38.3		27.3	Interp.	0.000	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.008 0.008
amp/frq (%)	45.4		47.6	Inc. seg. avg.	0.188	Data rate(MSamp/s):	128 MBpts 32 Amb 0.016 us	dr window (ns/s)	-0.011 0.011	
				Inc. frq. avg.	0.179	Data rate(Mb/s):	2048	nlags: 256 t_cohere infinite	ion window (TEC)	0.00 0.00

B: az 110.4 el 73.1 pa -53.5 P: az 67.7 el 65.0 pa -91.8 u,v (fr/asec) 1670.059 1620.013 simultaneous interpolator

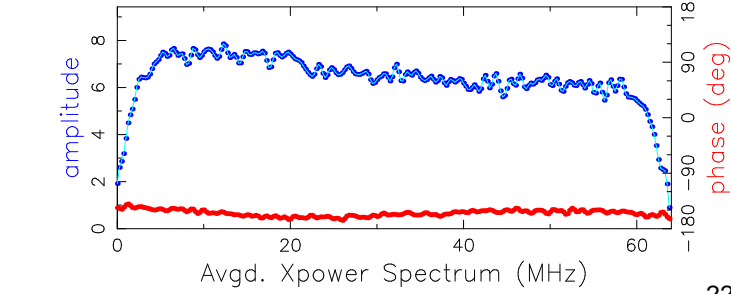
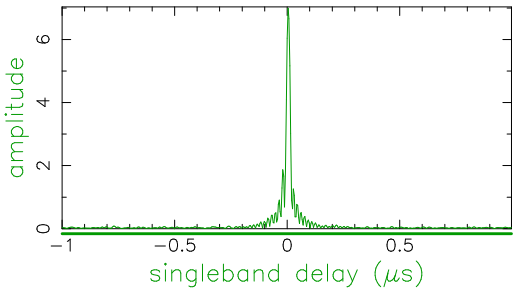
Control file: cf_1234_gmva Input file: /Exps/t241/FRINGE/1234/No0089/BP..35VDG0 Output file: /Exps/t241/FRINGE/1234/No0089/BP.W.3.35VDG0



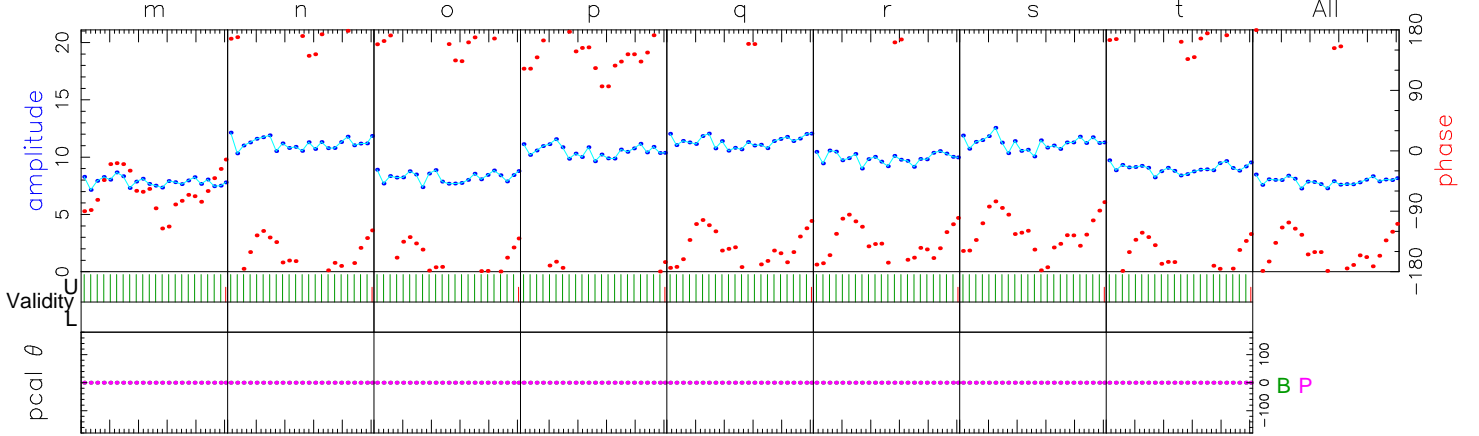
Fringe quality 4

SNR 333.0
Int time 299.958
Amp 7.038
Phase -153.6
PFD 0.0e+00
Delays (us)
SBD 0.004854
MBD 0.004691
Fringe rate (Hz)
-0.049875
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

Exp. t241a
Exper # 1234
Yr:day 2024:079
Start 082000.00
Stop 082500.03
FRT 082230.00
Corr/FF/build
2024:080:071429
2024:080:073807
2023:348:201045
RA & Dec (J2000)
22h02m43.291370s
+42°16'39.979897"



Amp. and Phase vs. time for each freq., 23 segs, 26 APs / seg (13.31 sec / seg.), time ticks 10 sec



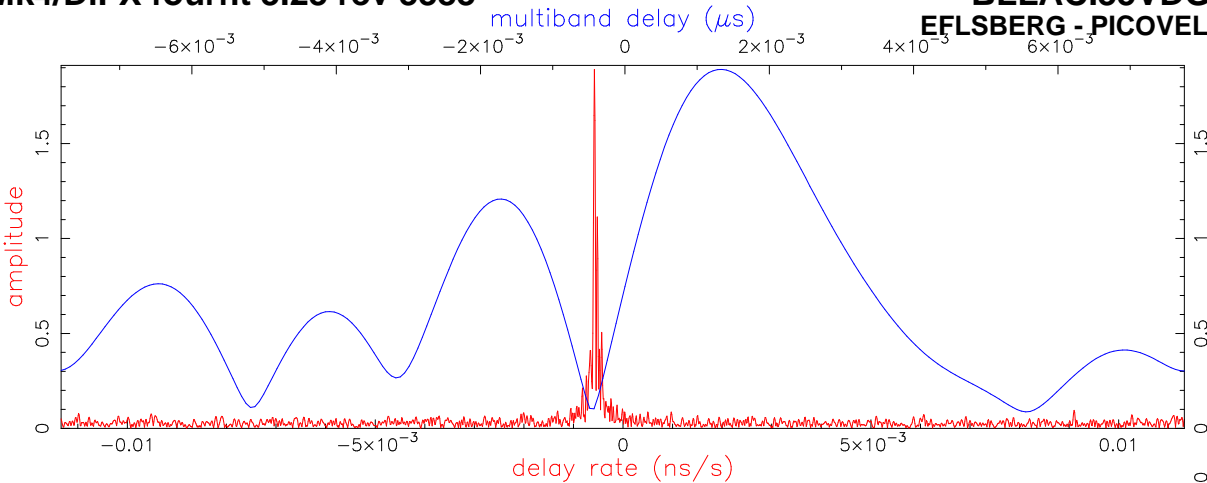
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-60.4	-165.0	-175.7	149.1	-148.0	-142.3	-122.6	-169.3	Phase	-153.6
	6.9	9.9	7.4	9.3	10.1	8.8	9.9	8.0	Ampl.	8.8
	255.6	257.4	257.9	258.0	258.6	257.8	258.3	256.6	Sbd box	258.2
U/L	586/0	586/0	586/0	586/0	586/0	586/0	586/0	586/0	APs used	
B	0	0	0	0	0	0	0	0	PC freqs	
P	0	0	0	0	0	0	0	0	PC freqs	
B:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
B:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
P	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
P	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	

Group delay (usec) (SBD)	9.97833846861E+02	Apriori delay (usec)	9.97829156132E+02	Resid mbdelay (usec)	4.69073E-03	+/-	3.3E-06
Sband delay (usec)	9.97834010132E+02	Apriori clock (usec)	-3.3786495E+01	Resid sbdelay (usec)	4.85400E-03	+/-	2.6E-05
Phase delay (usec)	9.97829151179E+02	Apriori clockrate (us/s)	3.9827031E-07	Resid phdelay (usec)	-4.95236E-06	+/-	1.1E-08
Delay rate (us/s)	-2.13939699442E-01	Apriori rate (us/s)	-2.13939120445E-01	Resid rate (us/s)	-5.78997E-07	+/-	6.4E-11
Total phase (deg)	29.7	Apriori accel (us/s/s)	7.37427446570E-06	Resid phase (deg)	-153.6	+/-	0.3

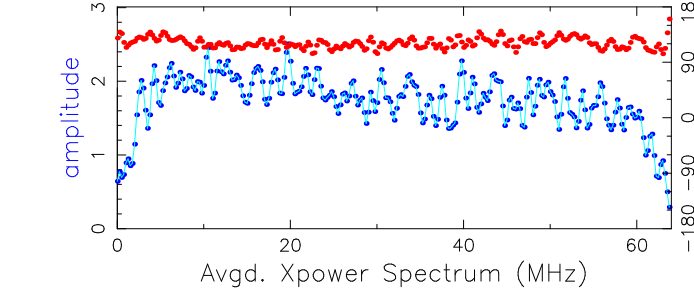
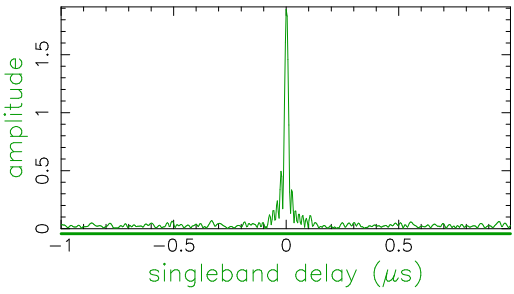
ph/seg (deg)	27.9	0.8	Amplitude	7.038 +/- 0.021	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5	
amp/seg (%)	13.0	1.4	Search (2048X32)	6.823	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000	
ph/frq (deg)	48.2	0.5	Interp.	0.000	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.008 0.008
amp/frq (%)	29.8	0.8	Inc. seg. avg.	7.898	Data rate (MSamp/s):	128 MBpts 32 Amb 0.016 us	dr window (ns/s)	-0.011 0.011	
			Inc. frq. avg.	8.786	Data rate (Mb/s):	2048	nlags: 256 t_cohere infinite	ion window (TEC)	0.00 0.00

B: az 110.4 el 73.1 pa -53.5 P: az 67.7 el 65.0 pa -91.8 u,v (fr/asec) 1670.059 1620.013 simultaneous interpolator

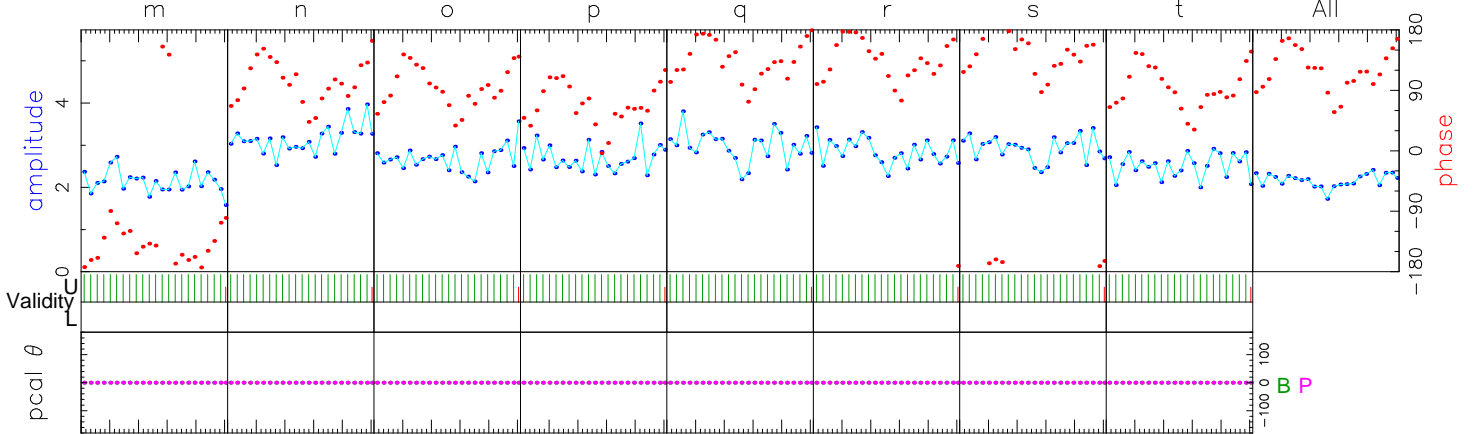
Control file: cf_1234_gmva Input file: /Exps/t241/FRINGE/1234/No0089/BP..35VDG0 Output file: /Exps/t241/FRINGE/1234/No0089/BP.W.6.35VDG0



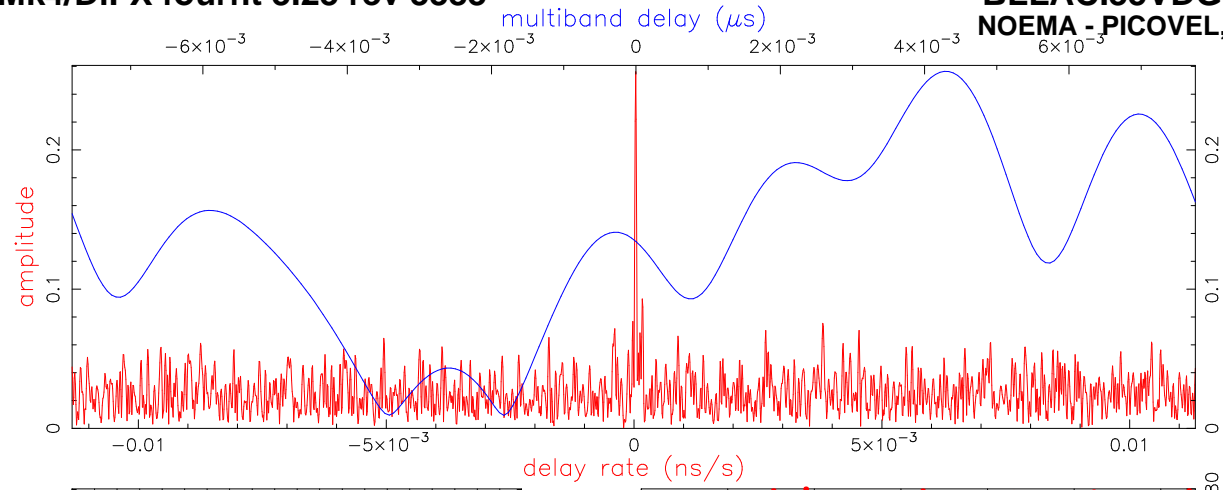
Fringe quality 4
 SNR 90.5
 Int time 299.958
 Amp 1.912
 Phase 119.7
 PFD 0.0e+00
 Delays (us)
 SBD 0.001296
 MBD 0.001366
 Fringe rate (Hz)
 -0.049884
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512
 Exp. t241a
 Exper # 1234
 Yr:day 2024:079
 Start 082000.00
 Stop 082500.03
 FRT 082230.00
 Corr/FF/build
 2024:080:071429
 2024:080:073810
 2023:348:201045
 RA & Dec (J2000)
 22h02m43.291370s
 +42°16'39.979897"



Amp. and Phase vs. time for each freq., 23 segs, 26 APs / seg (13.31 sec / seg.), time ticks 10 sec



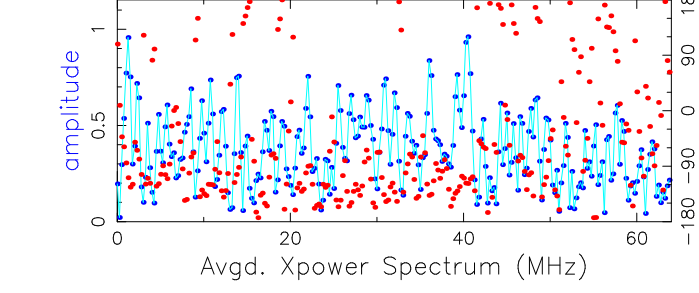
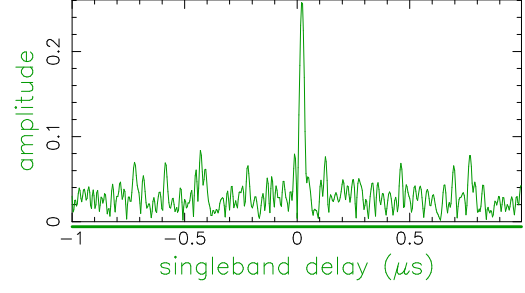
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All	
	-146.1	102.5	95.0	68.7	134.9	136.2	151.1	92.5	Phase	119.7	
	1.9	2.7	2.3	2.4	2.7	2.5	2.6	2.2	Ampl.	2.4	
	255.1	256.5	257.0	257.3	257.8	256.9	257.1	255.8	Sbd box	257.3	
U/L	586/0	586/0	586/0	586/0	586/0	586/0	586/0	586/0	APs used		
B	0	0	0	0	0	0	0	0	PC freqs		
P	0	0	0	0	0	0	0	0	PC freqs		
B:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase		
B:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC		
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp		
P	1000	1000	1000	1000	1000	1000	1000	1000			
B	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids		
P	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks		
									Tracks		
Group delay (usec) (SBD)	9.97830521955E+02		Apriori delay (usec)		9.97829156132E+02		Resid mbdelay (usec)		1.36582E-03	+/- 1.2E-05	
Sband delay (usec)	9.97830451882E+02		Apriori clock (usec)		-3.3786495E+01		Resid sbdelay (usec)		1.29575E-03	+/- 9.5E-05	
Phase delay (usec)	9.97829159993E+02		Apriori clockrate (us/s)		3.9827031E-07		Resid phdelay (usec)		3.86111E-06	+/- 4.1E-08	
Delay rate (us/s)	-2.13939699544E-01		Apriori rate (us/s)		-2.13939120445E-01		Resid rate (us/s)		-5.79099E-07	+/- 2.4E-10	
Total phase (deg)	303.0		Apriori accel (us/s/s)		7.37427446570E-06		Resid phase (deg)		119.7	+/- 1.3	
	RMS	Theor.	Amplitude	1.912 +/- 0.021		Pcal mode: MANUAL, MANUAL		PC period (AP's) 5, 5			
ph/seg (deg)	30.0	3.0	Search (2048X32)	1.854		Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)		-1.000 1.000	
amp/seg (%)	15.8	5.3	Interp.	0.000		Bits/sample: 2x2		SampCntNorm: enabled		mb window (us)	-0.008 0.008
ph/frq (deg)	49.3	1.8	Inc. seg. avg.	2.167		Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us		dr window (ns/s)		-0.011 0.011	
amp/frq (%)	28.7	3.1	Inc. frq. avg.	2.396		Data rate(Mb/s): 2048		nlags: 256 t_cohere infinite		ion window (TEC)	0.00 0.00
B: az 110.4 el 73.1 pa -53.5	P: az 67.7 el 65.0 pa -91.8		u, v (fr/asec) 1670.059 1620.013						simultaneous interpolator		
Control file: cf_1234_gmva	Input file: /Exps/t241/FRINGE/1234/No0089/BP..35VDG0		Output file: /Exps/t241/FRINGE/1234/No0089/BP.W.9.35VDG0								



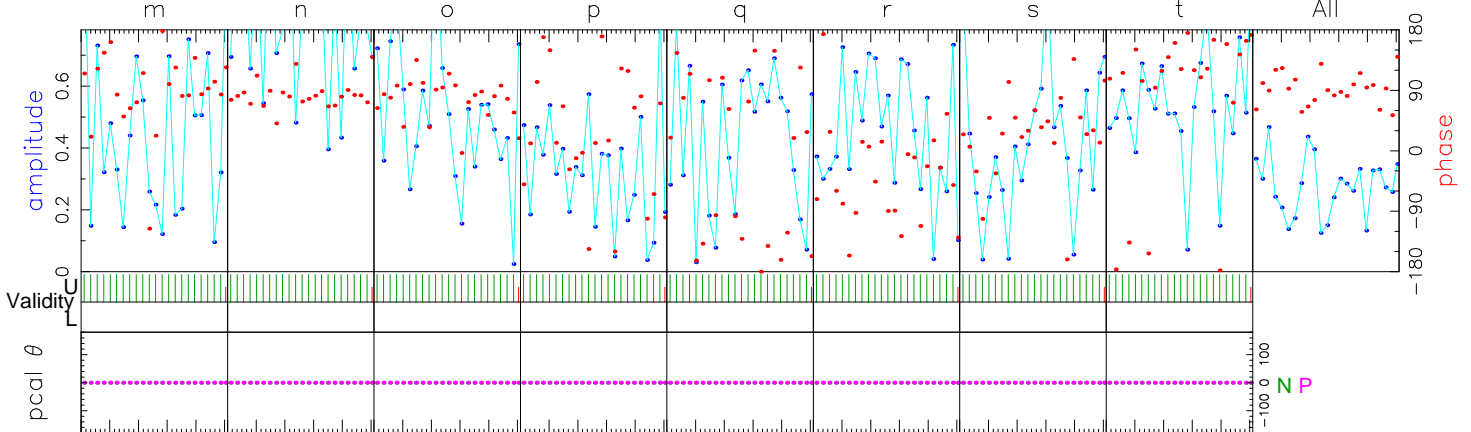
Fringe quality 9

SNR 12.3
Int time 299.971
Amp 0.261
Phase 88.1
PFD 2.7e-26
Delays (us)
SBD 0.021323
MBD 0.004236
Fringe rate (Hz)
0.002417
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

Exp. t241a
Exper # 1234
Yr:day 2024:079
Start 082000.00
Stop 082500.03
FRT 082230.00
Corr/FF/build
2024:080:071429
2024:080:073813
2023:348:201045
RA & Dec (J2000)
22h02m43.291370s
+42°16'39.979897"

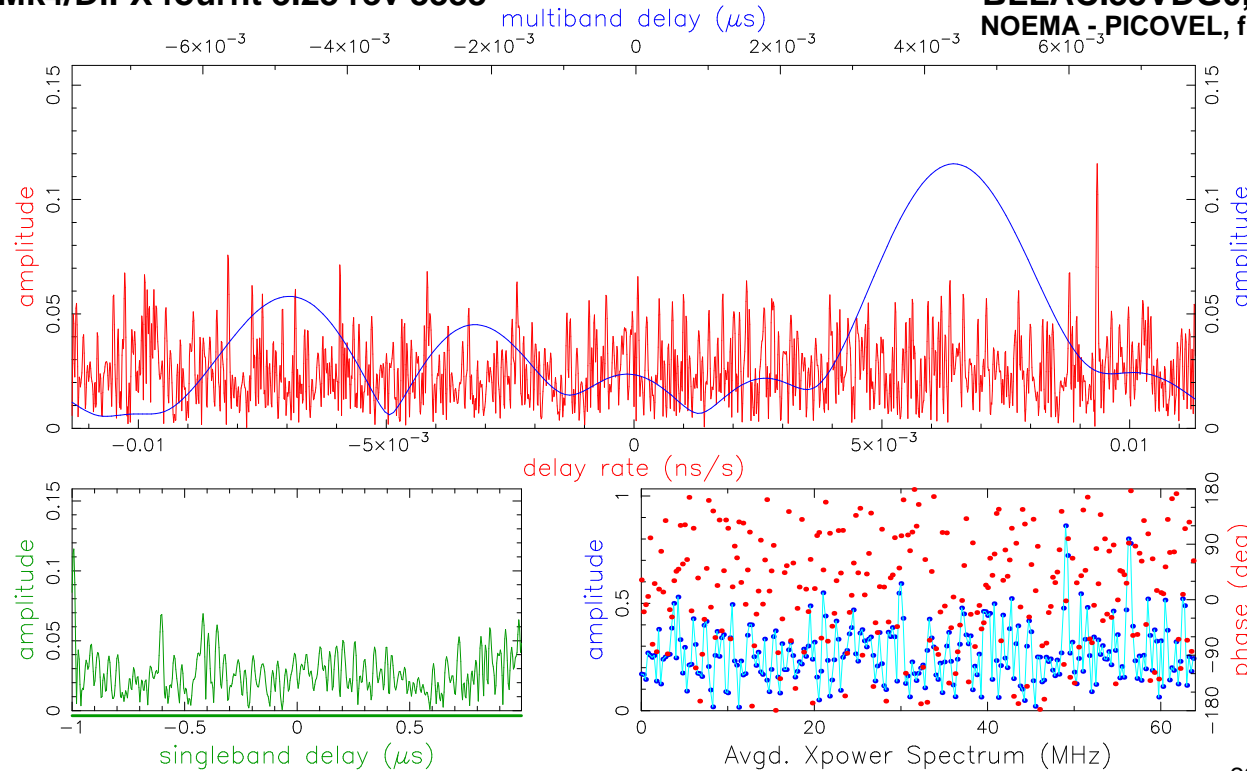


Amp. and Phase vs. time for each freq., 23 segs, 26 APs / seg (13.31 sec / seg.), time ticks 10 sec



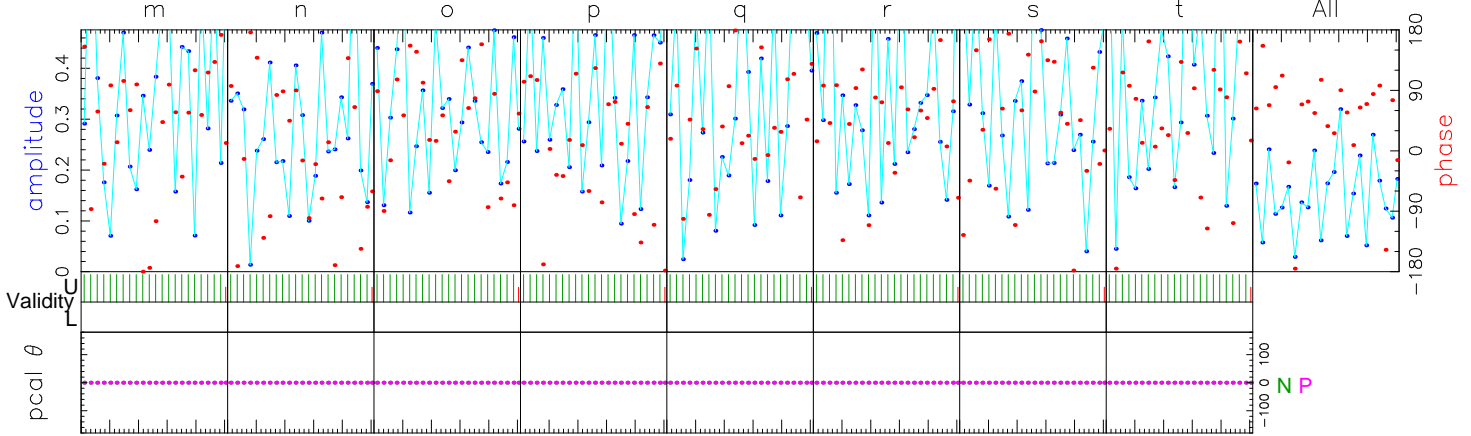
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	103.4	82.8	80.6	74.9	156.2	-47.8	33.7	139.1	Phase	88.1
	0.4	0.8	0.5	0.1	0.2	0.3	0.3	0.4	Ampl.	0.4
	265.1	262.3	261.8	80.9	264.9	261.9	261.2	262.1	Sbd box	262.5
U/L	586/0	586/0	586/0	586/0	586/0	586/0	586/0	586/0	APs used	
N	0	0	0	0	0	0	0	0	PC freqs	
P	0	0	0	0	0	0	0	0	PC freqs	
N:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
N:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
N	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
P	1000	1000	1000	1000	1000	1000	1000	1000		
N	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
P	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	
									Tracks	
Group delay (usec) (SBD)	1.07425615851E+03		Apriori delay (usec)		1.07423629798E+03		Resid mbdelay (usec)		4.23554E-03	+/- 8.8E-05
Sband delay (usec)	1.07425762073E+03		Apriori clock (usec)		-1.2530947E+01		Resid sbdelay (usec)		2.13227E-02	+/- 7.0E-04
Phase delay (usec)	1.07423630082E+03		Apriori clockrate (us/s)		-1.3935503E-08		Resid phdelay (usec)		2.84191E-06	+/- 3.0E-07
Delay rate (us/s)	-1.69712263239E-01		Apriori rate (us/s)		-1.69712291293E-01		Resid rate (us/s)		2.80539E-08	+/- 1.7E-09
Total phase (deg)			Apriori accel (us/s/s)		1.81881947875E-06		Resid phase (deg)		88.1	+/- 9.3

ph/seg (deg) 22.3 22.3 Search (2048X32) 0.247 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 36.1 38.8 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 69.7 13.1 Inc. seg. avg. 0.257 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 85.8 22.9 Inc. frq. avg. 0.364 Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us dr window (ns/s) -0.011 0.011
 N: az 89.8 el 73.5 pa -74.1 P: az 67.7 el 65.0 pa -91.8 u,v (fr/asec) 1319.293 772.136 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/t241/FRINGE/1234/No0089/NP..35VDG0 Output file: /Exps/t241/FRINGE/1234/No0089/NP.W.11.35VDG0

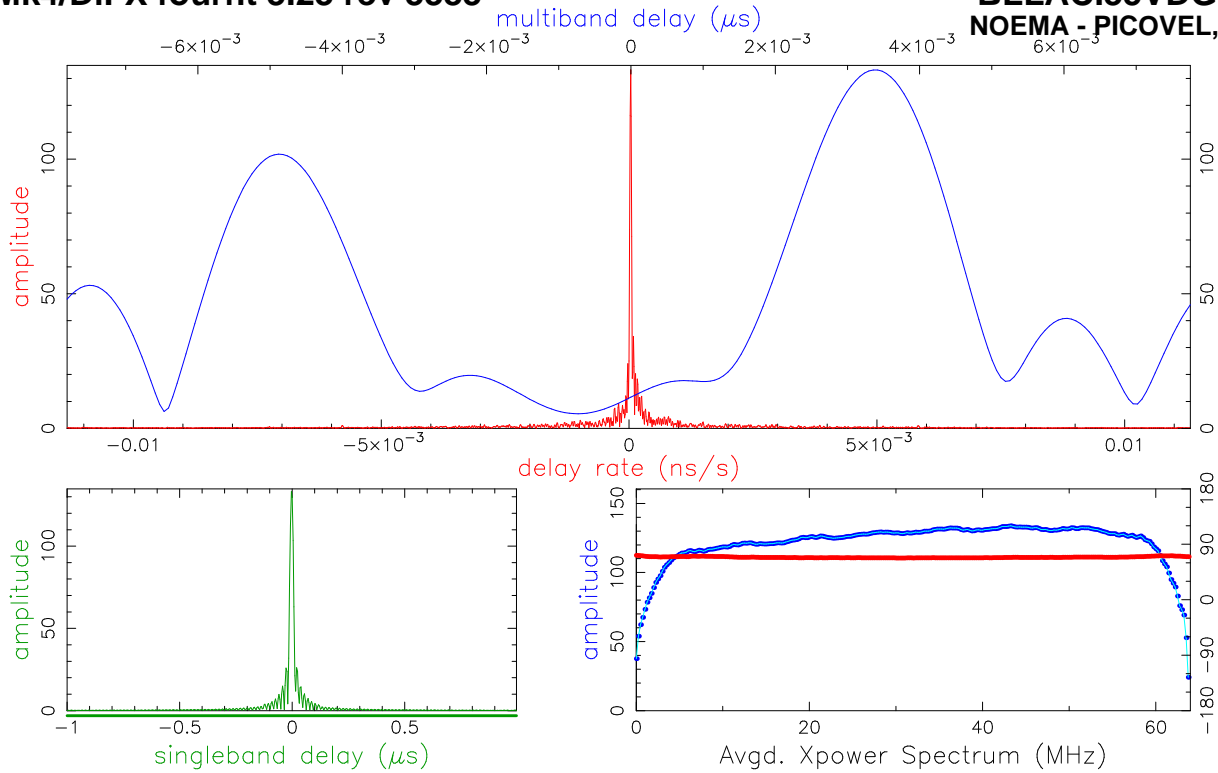


Fringe quality 0
 SNR 5.6
 Int time 299.971
 Amp 0.159
 Phase 66.5
 PFD 1.0e+00
 Delays (us)
 SBD -0.993709
 MBD 0.004403
 Fringe rate (Hz)
 0.805964
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512
 Exp. t241a
 Exper # 1234
 Yr:day 2024:079
 Start 082000.00
 Stop 082500.03
 FRT 082230.00
 Corr/FF/build
 2024:080:071429
 2024:080:073804
 2023:348:201045
 RA & Dec (J2000)
 22h02m43.291370s
 +42°16'39.979897"

Amp. and Phase vs. time for each freq., 23 segs, 26 APs / seg (13.31 sec / seg.), time ticks 10 sec

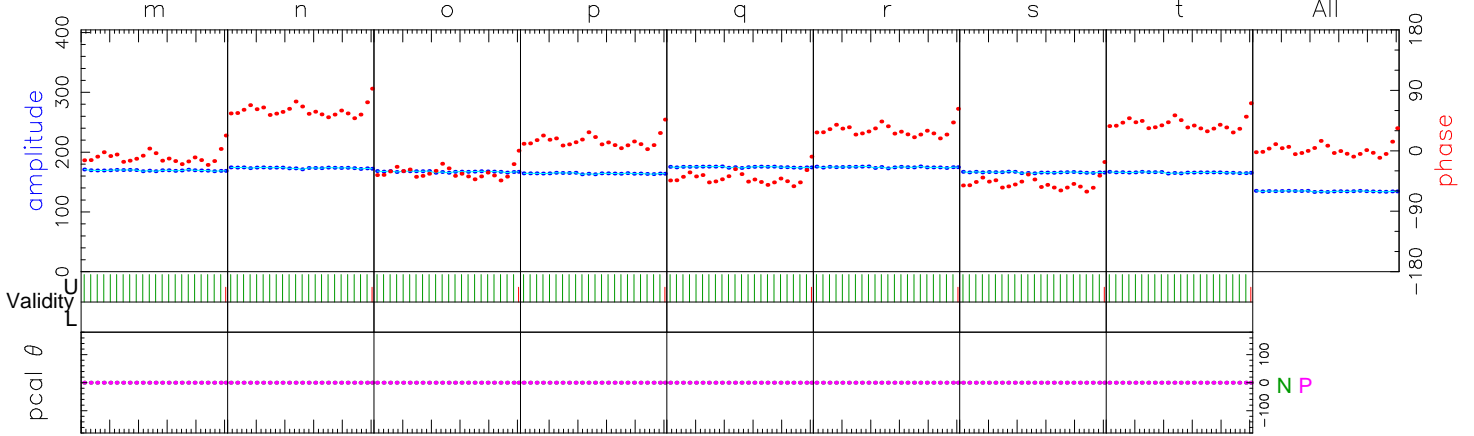


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	586/0	586/0	586/0	586/0	586/0	586/0	586/0	586/0		
N	0	0	0	0	0	0	0	0		
P	0	0	0	0	0	0	0	0		
N:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
N:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
N	1000	1000	1000	1000	1000	1000	1000	1000		
P	1000	1000	1000	1000	1000	1000	1000	1000		
N	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		
P	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		
Group delay (usec) (SBD)	77.3	15.5	56.9	92.0	55.9	60.5	87.9	66.8	4.40316E-03	+/- 1.9E-04
Sband delay (usec)	0.2	0.0	0.2	0.1	0.2	0.3	0.1	0.2	-9.93709E-01	+/- 1.5E-03
Phase delay (usec)	128.6	156.6	166.7	143.6	435.4	2.2	230.5	2.2	2.14588E-06	+/- 6.6E-07
Delay rate (us/s)									9.35645E-06	+/- 3.8E-09
Total phase (deg)			321.4						66.5	+/- 20.5
ph/seg (deg)	54.2	49.3	Search (2048X32)	0.115	0.115	PCal mode: MANUAL, MANUAL	PC period (AP's) 5, 5		sb window (us)	-1.000 1.000
amp/seg (%)	69.2	86.0	Interp.	0.000	0.000	PCal rate: 0.000E+00, 0.000E+00 (us/s)	SampCntNorm: enabled		mb window (us)	-0.008 0.008
ph/frq (deg)	26.1	29.1	Inc. seg. avg.	0.150	0.150	Bits/sample: 2x2	Data rate(MSamp/s): 128 MBbps 32 Amb 0.016 us		dr window (ns/s)	-0.011 0.011
amp/frq (%)	50.0	50.7	Inc. frq. avg.	0.142	0.142	Data rate(Mb/s): 2048	nlags: 256 t_cohere infinite		ion window (TEC)	0.00 0.00
N: az 89.8 el 73.5 pa -74.1	P: az 67.7 el 65.0 pa -91.8		u, v (fr/asec) 1319.293 772.136		simultaneous interpolator					
Control file: cf_1234_gmva	Input file: /Exps/t241/FRINGE/1234/No0089/NP..35VDG0		Output file: /Exps/t241/FRINGE/1234/No0089/NP.W.1.35VDG0							

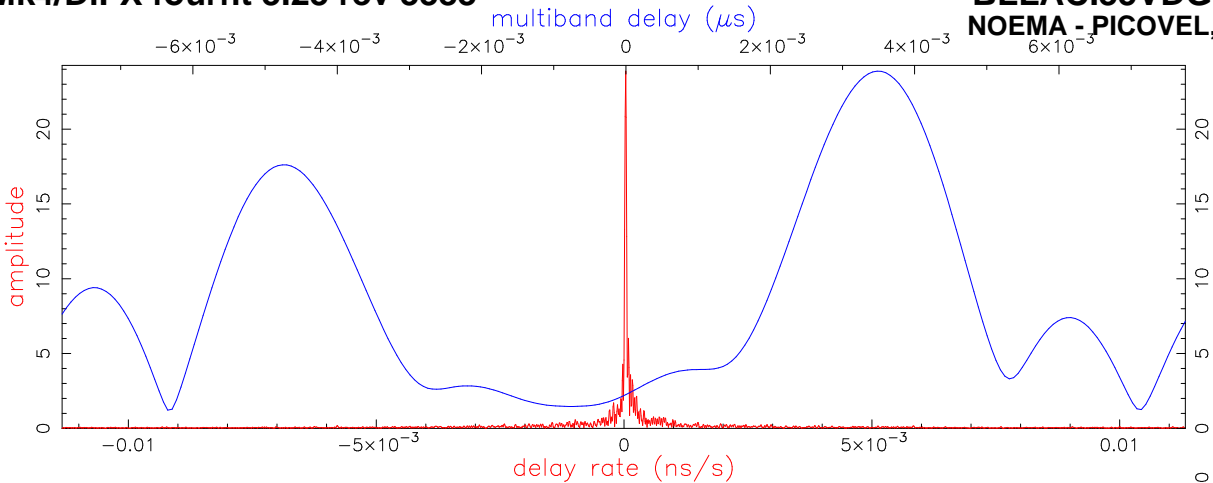


Fringe quality 6
SNR 6386.9
Int time 299.971
Amp 134.851
Phase 1.3
PFD 0.0e+00
Delays (us)
SBD -0.002492
MBD 0.003396
Fringe rate (Hz) 0.002433
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.512
Exp. t241a
Exper # 1234
Yr:day 2024:079
Start 082000.00
Stop 082500.03
FRT 082230.00
Corr/FF/build
2024:080:071429
2024:080:073807
2023:348:201045
RA & Dec (J2000) 22h02m43.291370s +42°16'39.979897"

Amp. and Phase vs. time for each freq., 23 segs, 26 APs / seg (13.31 sec / seg.), time ticks 10 sec



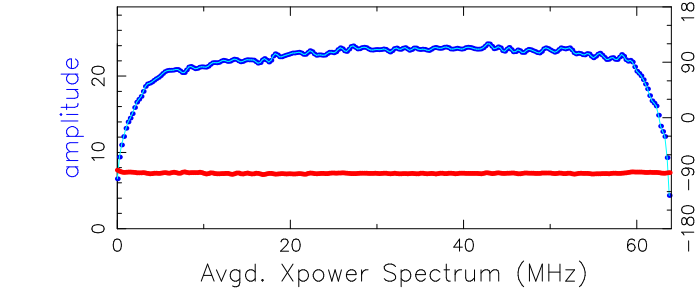
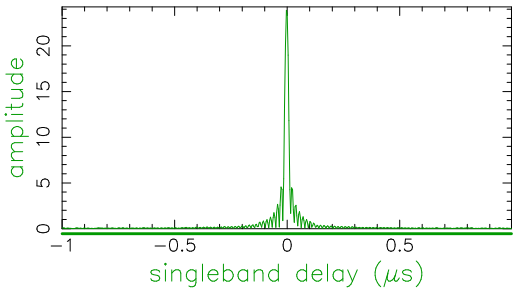
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-10.1	59.6	-32.5	14.1	-40.9	30.3	-48.7	39.3	Phase	1.3
	167.7	171.8	165.6	162.7	173.3	173.1	164.5	164.2	Ampl.	167.9
	256.7	256.6	256.3	256.7	256.9	256.3	257.0	257.0	Sbd box	256.4
U/L	586/0	586/0	586/0	586/0	586/0	586/0	586/0	586/0	APs used	
N	0	0	0	0	0	0	0	0	PC freqs	
P	0	0	0	0	0	0	0	0	PC freqs	
N:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
N:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
N	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
P	1000	1000	1000	1000	1000	1000	1000	1000		
N	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
P	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	
									Tracks	
Group delay (usec) (SBD)	1.07423969383E+03		Apriori delay (usec)		1.07423629798E+03		Resid mbdelay (usec)		3.39585E-03	+/- 1.7E-07
Sband delay (usec)	1.07423380573E+03		Apriori clock (usec)		-1.2530947E+01		Resid sbdelay (usec)		-2.49225E-03	+/- 1.3E-06
Phase delay (usec)	1.07423629802E+03		Apriori clockrate (us/s)		-1.3935503E-08		Resid phdelay (usec)		4.11778E-08	+/- 5.8E-10
Delay rate (us/s)	-1.69712263052E-01		Apriori rate (us/s)		-1.69712291293E-01		Resid rate (us/s)		2.82417E-08	+/- 3.3E-12
Total phase (deg)	256.1		Apriori accel (us/s/s)		1.81881947875E-06		Resid phase (deg)		1.3	+/- 0.0
ph/seg (deg)	RMS 8.2	Theor. 0.0	Amplitude 134.851 +/- 0.021	Pcal mode: MANUAL, MANUAL		PC period (AP's) 5, 5				
amp/seg (%)	0.5	0.1	Search (2048X32) 129.471	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us) -1.000 1.000				
ph/frq (deg)	43.6	0.0	Interp. 0.000	Bits/sample: 2x2		SampCntNorm: enabled		mb window (us) -0.008 0.008		
amp/frq (%)	24.7	0.0	Inc. seg. avg. 134.556	Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us		dr window (ns/s) -0.011 0.011				
N: az 89.8 el 73.5 pa -74.1	P: az 67.7 el 65.0 pa -91.8		u, v (fr/asec) 1319.293 772.136		Data rate(Mb/s): 2048		nlags: 256 t_cohere infinite		ion window (TEC) 0.00 0.00	
Control file: cf_1234_gmva	Input file: /Exps/t241/FRINGE/1234/No0089/NP..35VDG0		Output file: /Exps/t241/FRINGE/1234/No0089/NP.W.5.35VDG0						simultaneous interpolator	



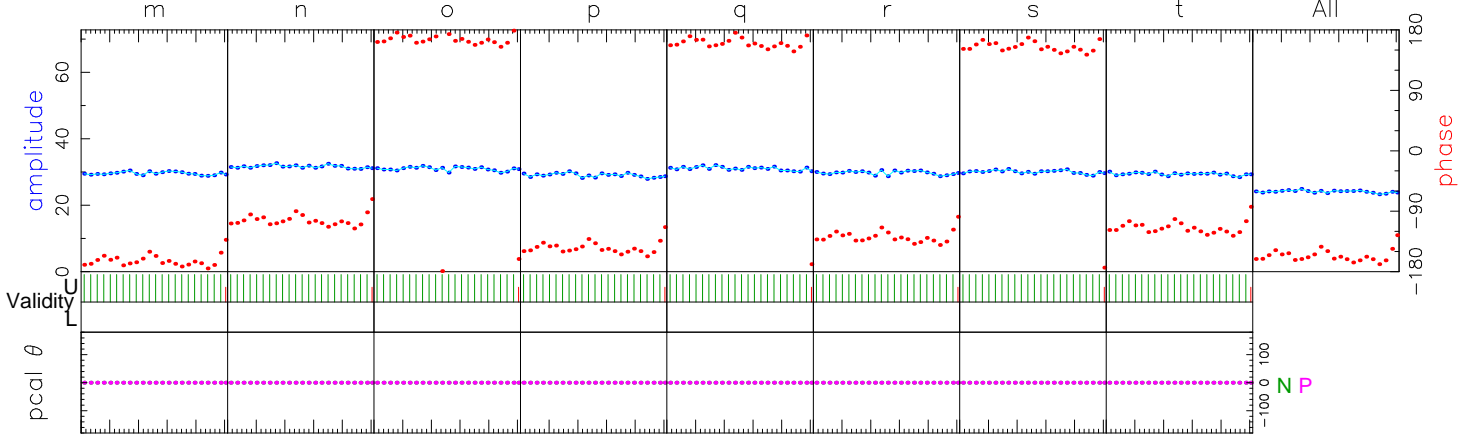
Fringe quality 6

SNR 1149.0
Int time 299.971
Amp 24.259
Phase -156.7
PFD 0.0e+00
Delays (us)
SBD -0.002294
MBD 0.003500
Fringe rate (Hz) 0.002454
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.512

Exp. t241a
Exper # 1234
Yr:day 2024:079
Start 082000.00
Stop 082500.03
FRT 082230.00
Corr/FF/build
2024:080:071429
2024:080:073810
2023:348:201045
RA & Dec (J2000)
22h02m43.291370s
+42°16'39.979897"



Amp. and Phase vs. time for each freq., 23 segs, 26 APs / seg (13.31 sec / seg.), time ticks 10 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-163.7	-103.6	166.8	-144.7	161.0	-128.5	155.4	-114.7	Phase	-156.7
	29.3	31.3	30.7	28.8	30.8	29.5	29.7	29.1	Ampl.	29.9
	256.7	256.8	256.3	256.6	257.1	256.3	257.0	256.9	Sbd box	256.4
U/L	586/0	586/0	586/0	586/0	586/0	586/0	586/0	586/0	APs used	
N	0	0	0	0	0	0	0	0	PC freqs	
P	0	0	0	0	0	0	0	0	PC freqs	
N:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
N:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
N	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
P	1000	1000	1000	1000	1000	1000	1000	1000		
N	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
P	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	
									Tracks	
Group delay (usec) (SBD)	1.07423979820E+03		Apriori delay (usec)		1.07423629798E+03		Resid mbdelay (usec)		3.50022E-03	+/- 9.4E-07
Sband delay (usec)	1.07423400423E+03		Apriori clock (usec)		-1.2530947E+01		Resid sbdelay (usec)		-2.29375E-03	+/- 7.5E-06
Phase delay (usec)	1.07423629292E+03		Apriori clockrate (us/s)		-1.3935503E-08		Resid phdelay (usec)		-5.05440E-06	+/- 3.2E-09
Delay rate (us/s)	-1.69712262807E-01		Apriori rate (us/s)		-1.69712291293E-01		Resid rate (us/s)		2.84861E-08	+/- 1.9E-11
Total phase (deg)	98.1		Apriori accel (us/s/s)		1.81881947875E-06		Resid phase (deg)		-156.7	+/- 0.1

ph/seg (deg)	8.0	0.2	Search (2048X32)	23.237	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-1.000	1.000
amp/seg (%)	1.6	0.4	Interp.	0.000	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	SampCntNorm: enabled	mb window (us)	-0.008	0.008
ph/frq (deg)	42.8	0.1	Inc. seg. avg.	24.112	Bits/sample: 2x2	Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us	dr window (ns/s)	-0.011	0.011
amp/frq (%)	23.5	0.2	Inc. frq. avg.	29.904	Data rate(Mb/s): 2048	nlags: 256 t_cohere infinite	ion window (TEC)	0.00	0.00
N: az 89.8 el 73.5 pa -74.1	P: az 67.7 el 65.0 pa -91.8		u, v (fr/asec) 1319.293 772.136		simultaneous interpolator				
Control file: cf_1234_gmva	Input file: /Exps/t241/FRINGE/1234/No0089/NP..35VDG0		Output file: /Exps/t241/FRINGE/1234/No0089/NP.W.8.35VDG0						