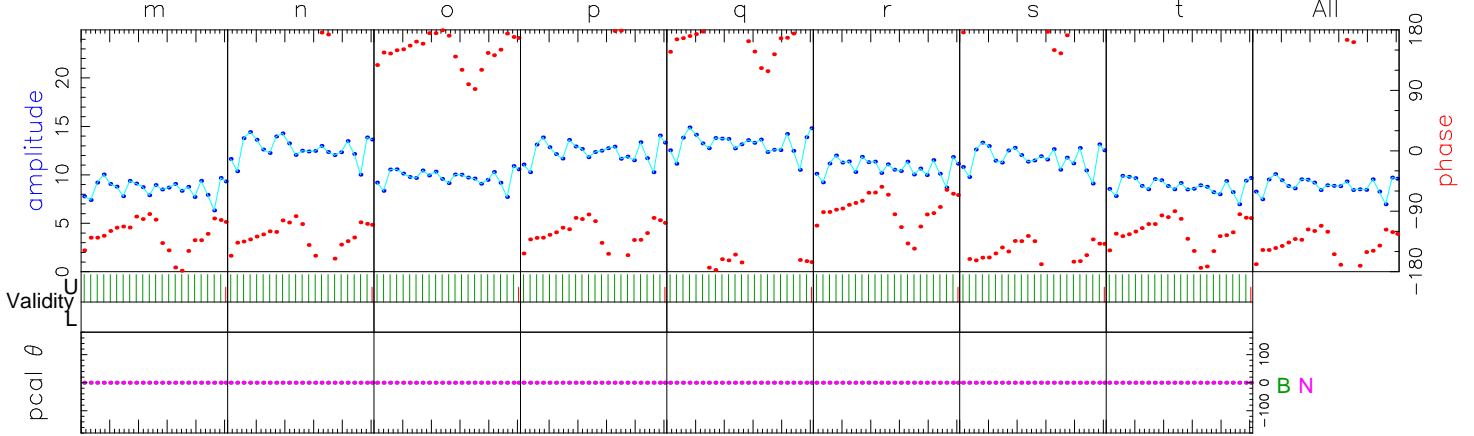
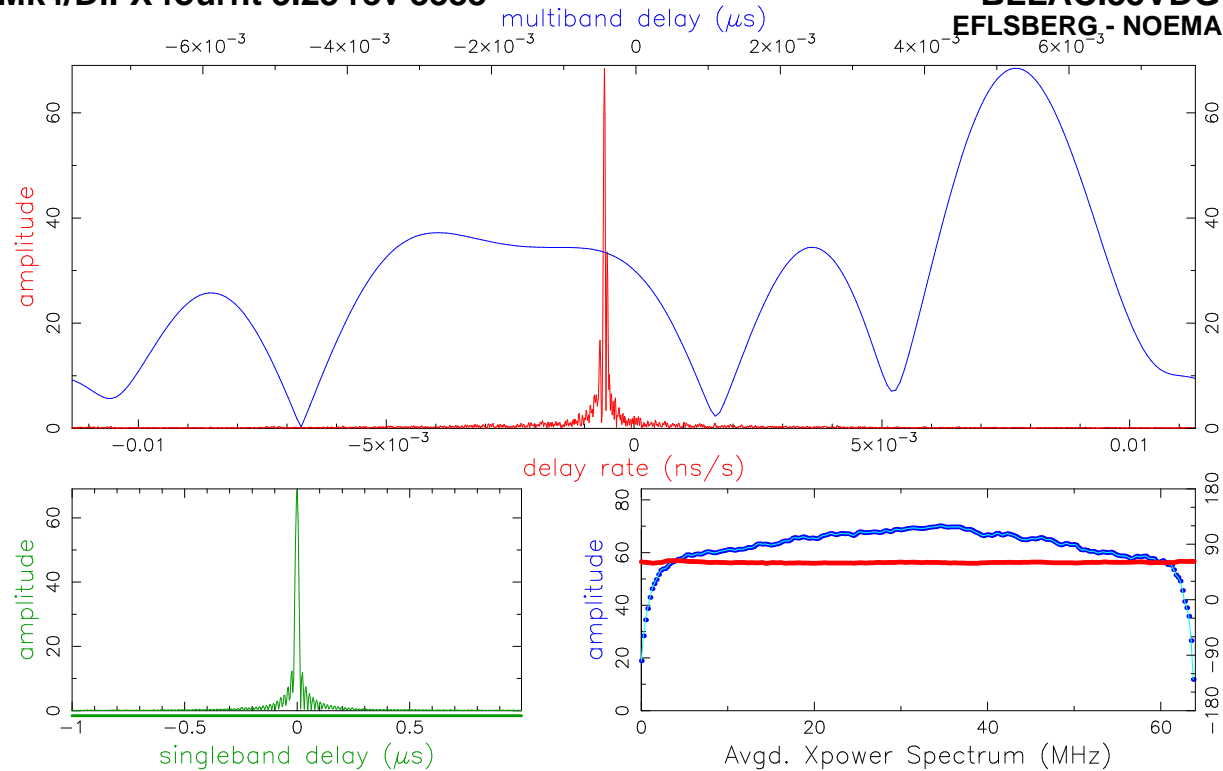


Fringe quality 4
 SNR 393.8
 Int time 299.954
 Amp 8.323
 Phase -143.7
 PFD 0.0e+00
 Delays (us)
 SBD 0.002124
 MBD -0.007071
 Fringe rate (Hz)
 -0.051532
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512
 Exp. t241a
 Exper # 1234
 Yr:day 2024:079
 Start 083500.00
 Stop 084000.03
 FRT 083730.00
 Corr/FF/build
 2024:080:071824
 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

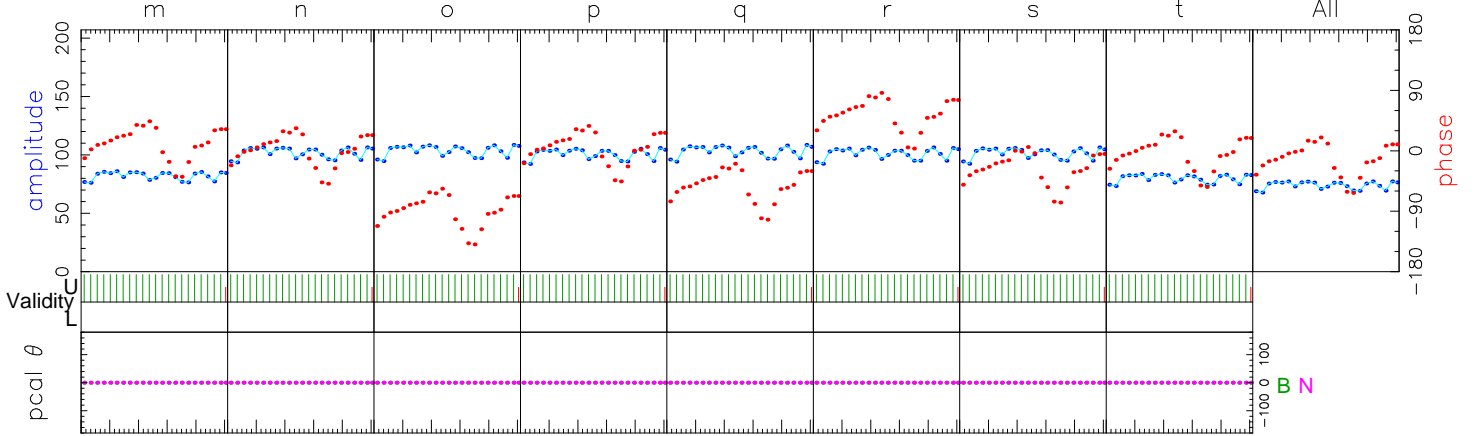


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All	
	-125.1	-131.2	148.9	-127.0	172.3	-86.9	-158.9	-121.8	Phase	-143.7	
	8.0	11.7	9.0	11.3	12.1	9.9	10.8	8.1	Ampl.	10.1	
	255.8	257.5	258.4	258.2	258.4	258.3	258.1	256.8	Sbd box	257.5	
U/L	586/0	586/0	586/0	586/0	586/0	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		
									Tracks		
Group delay (usec) (SBD)	-1.13925013760E+02		Apriori delay (usec)		-1.13933568111E+02		Resid mbdelay (usec)		-7.07065E-03	+/- 2.8E-06	
Sband delay (usec)	-1.13931443611E+02		Apriori clock (usec)		-2.1255175E+01		Resid sbdelay (usec)		2.12450E-03	+/- 2.2E-05	
Phase delay (usec)	-1.13933572743E+02		Apriori clockrate (us/s)		4.1220581E-07		Resid phdelay (usec)		-4.63239E-06	+/- 9.4E-09	
Delay rate (us/s)	-3.91358928117E-02		Apriori rate (us/s)		-3.91352945709E-02		Resid rate (us/s)		-5.98241E-07	+/- 5.4E-11	
Total phase (deg)			Apriori accel (us/s/s)		5.75500500072E-06		Resid phase (deg)		-143.7	+/- 0.3	
RMS	23.6	0.7	Amplitude		8.323 +/- 0.021		Pcal mode: MANUAL, MANUAL		PC period (AP's) 5, 5		
ph/seg (deg)	23.6	0.7	Search (2048X32)		8.090		Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us) -1.000 1.000		
amp/seg (%)	11.0	1.2	Interp.		0.000		Bits/sample: 2x2		SampCntNorm: enabled		
ph/frq (deg)	43.2	0.4	Inc. seg. avg.		8.880		Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us		dr window (ns/s) -0.011 0.011		
amp/frq (%)	28.2	0.7	Inc. frq. avg.		10.111		Data rate(Mb/s): 2048		nlags: 256 t_cohere infinite		
B: az 116.2 el 75.1 pa -50.2		N: az 92.5 el 76.0 pa -73.7		u,v (fr/asec) 314.201 861.616						simultaneous interpolator	
Control file: cf_1234_gmva		Input file: /Exps/t241/FRINGE/1234/No0090/BN..35VDG1		Output file: /Exps/t241/FRINGE/1234/No0090/BN.W.11.35VDG1							



Fringe quality 5
 SNR 3265.3
 Int time 299.954
 Amp 69.023
 Phase -12.2
 PFD 0.0e+00
 Delays (us)
 SBD -0.001084
 MBD 0.005229
 Fringe rate (Hz)
 -0.051508
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512
 Exp. t241a
 Exper # 1234
 Yr:day 2024:079
 Start 083500.00
 Stop 084000.03
 FRT 083730.00
 Corr/FF/build
 2024:080:071824
 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

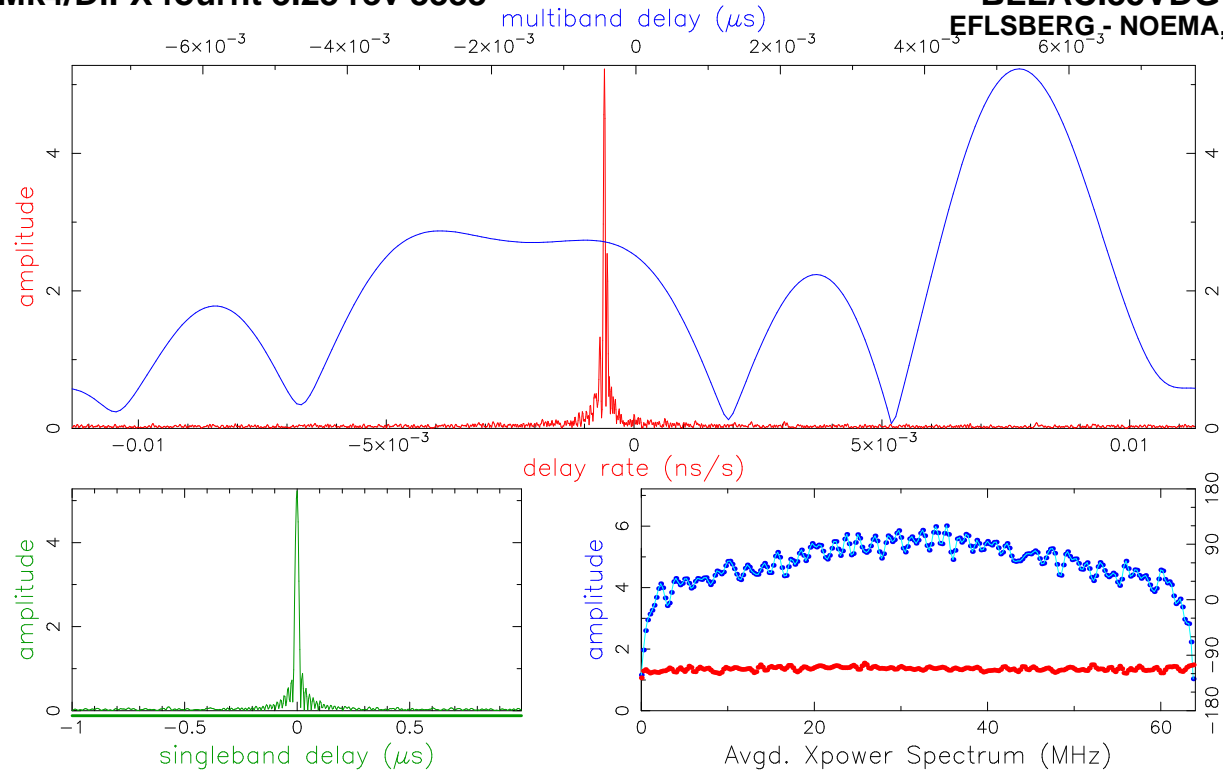


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All	
	11.4	1.7	-88.7	4.8	-51.8	54.0	-26.8	-3.1		Phase	-12.2
	76.0	94.3	96.0	93.2	95.6	93.7	94.0	74.0		Ampl.	89.6
	255.4	256.4	257.5	257.5	257.6	257.4	257.0	255.9		Sbd box	256.7
U/L	586/0	586/0	586/0	586/0	586/0	586/0	586/0	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	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		Chan ids	
N	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		Tracks	
										Chan ids	
										Tracks	

Group delay (usec) (SBD) -1.13928339103E+02 Apriori delay (usec) -1.13933568111E+02 Resid mbdelay (usec) 5.22901E-03 +/- 3.3E-07
 Sband delay (usec) -1.13934652111E+02 Apriori clock (usec) -2.1255175E+01 Resid sbdelay (usec) -1.08400E-03 +/- 2.6E-06
 Phase delay (usec) -1.13933568505E+02 Apriori clockrate (us/s) 4.1220581E-07 Resid phdelay (usec) -3.94336E-07 +/- 1.1E-09
 Delay rate (us/s) -3.91358925319E-02 Apriori rate (us/s) -3.91352945709E-02 Resid rate (us/s) -5.97961E-07 +/- 6.5E-12
 Total phase (deg) -212.8 Apriori accel (us/s/s) 5.75500500072E-06 Resid phase (deg) -12.2 +/- 0.0

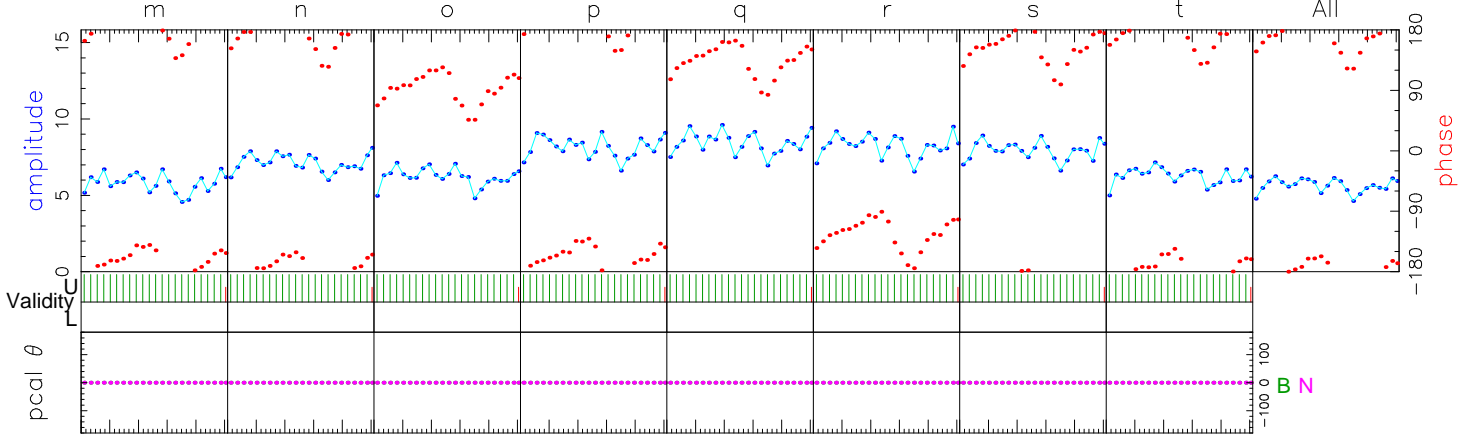
RMS Theor. Amplitude 69.023 +/- 0.021 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 22.8 0.1 Search (2048X32) 68.079 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 amp/seg (%) 8.6 0.1 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 ph/frq (deg) 46.8 0.0 Inc. seg. avg. 74.084 Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us dr window (ns/s) -0.011 0.011
 amp/frq (%) 32.2 0.1 Inc. frq. avg. 89.593 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite ion window (TEC) 0.00 0.00

B: az 116.2 el 75.1 pa -50.2 N: az 92.5 el 76.0 pa -73.7 u,v (fr/asec) 314.201 861.616 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/t241/FRINGE/1234/No0090/BN..35VDG1 Output file: /Exps/t241/FRINGE/1234/No0090/BN.W.1.35VDG1

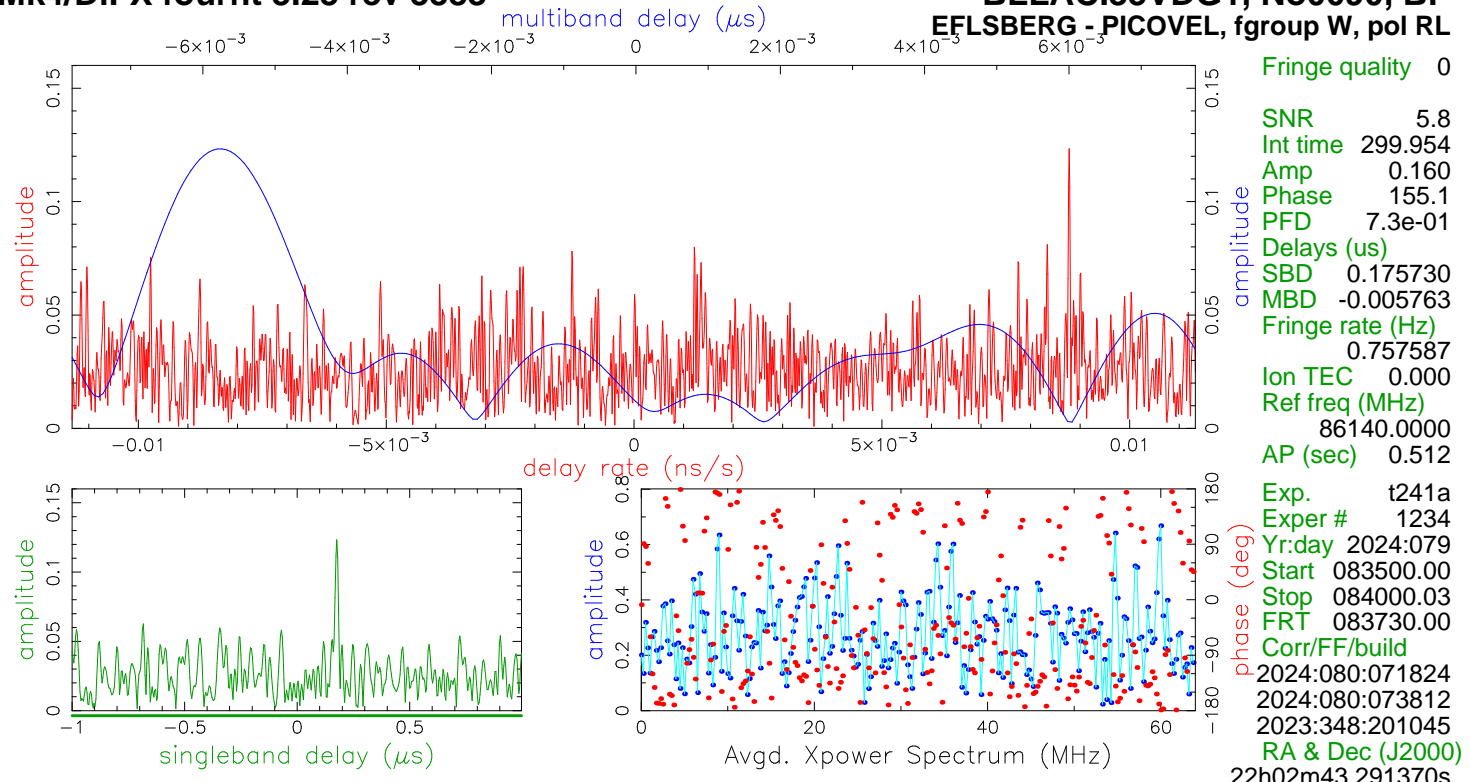


Fringe quality 5
 SNR 249.7
 Int time 299.954
 Amp 5.279
 Phase 173.0
 PFD 0.0e+00
 Delays (us)
 SBD -0.001235
 MBD 0.005269
 Fringe rate (Hz)
 -0.051501
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512
 Exp. t241a
 Exper # 1234
 Yr:day 2024:079
 Start 083500.00
 Stop 084000.03
 FRT 083730.00
 Corr/FF/build
 2024:080:071824
 2024:080:073809
 2023:348:201045
 RA & Dec (J2000)
 22h02m43.291370s
 +42°16'39.979897"

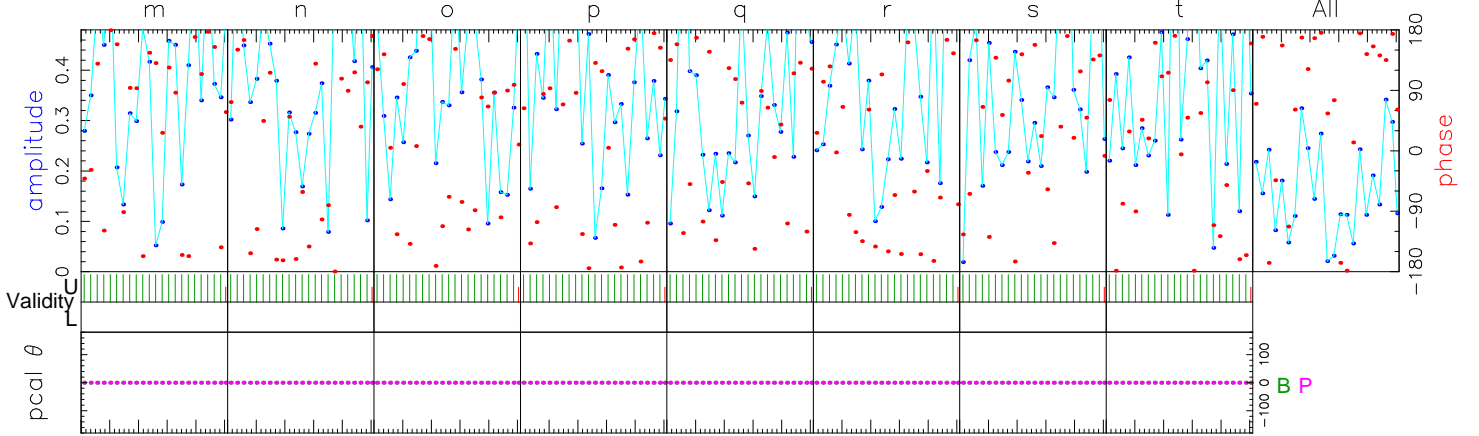
Amp. and Phase vs. time for each freq., 23 segs, 26 APs / seg (13.31 sec / seg.), time ticks 10 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-169.3	179.1	93.4	-162.4	134.2	-123.1	154.1	178.9	Phase	173.0
	5.4	6.6	5.8	7.6	7.8	7.7	7.3	5.8	Ampl.	6.8
	255.4	256.6	257.7	257.4	257.7	257.4	257.0	255.8	Sbd box	256.7
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	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)	-1.13928298916E+02					-1.13933568111E+02			Resid mbdelay (usec)	5.26919E-03 +/- 4.3E-06
Sband delay (usec)	-1.13934802861E+02					-2.1255175E+01			Resid sbdelay (usec)	-1.23475E-03 +/- 3.4E-05
Phase delay (usec)	-1.13933562531E+02					4.1220581E-07			Resid phdelay (usec)	5.57979E-06 +/- 1.5E-08
Delay rate (us/s)	-3.91358924476E-02					-3.91352945709E-02			Resid rate (us/s)	-5.97877E-07 +/- 8.5E-11
Total phase (deg)			-27.5			5.75500500072E-06			Resid phase (deg)	173.0 +/- 0.5
	RMS	Theor.	Amplitude	5.279 +/- 0.021					PCal mode: MANUAL, MANUAL	PC period (AP's) 5, 5
ph/seg (deg)	22.8	1.1	Search (2048X32)	5.196					PCal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us) -1.000 1.000
amp/seg (%)	10.5	1.9	Interp.	0.000					Bits/sample: 2x2	mb window (us) -0.008 0.008
ph/frq (deg)	47.0	0.6	Inc. seg. avg.	5.637					SampCntNorm: enabled	dr window (ns/s) -0.011 0.011
amp/frq (%)	32.8	1.1	Inc. frq. avg.	6.752					Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us	ion window (TEC) 0.00 0.00
									Data rate(Mb/s): 2048	nlags: 256 t_cohere infinite
B: az 116.2 el 75.1 pa -50.2			N: az 92.5 el 76.0 pa -73.7			u, v (fr/asec) 314.201 861.616				simultaneous interpolator
Control file: cf_1234_gmva			Input file: /Exps/t241/FRINGE/1234/No0090/BN..35VDG1			Output file: /Exps/t241/FRINGE/1234/No0090/BN.W.8.35VDG1				

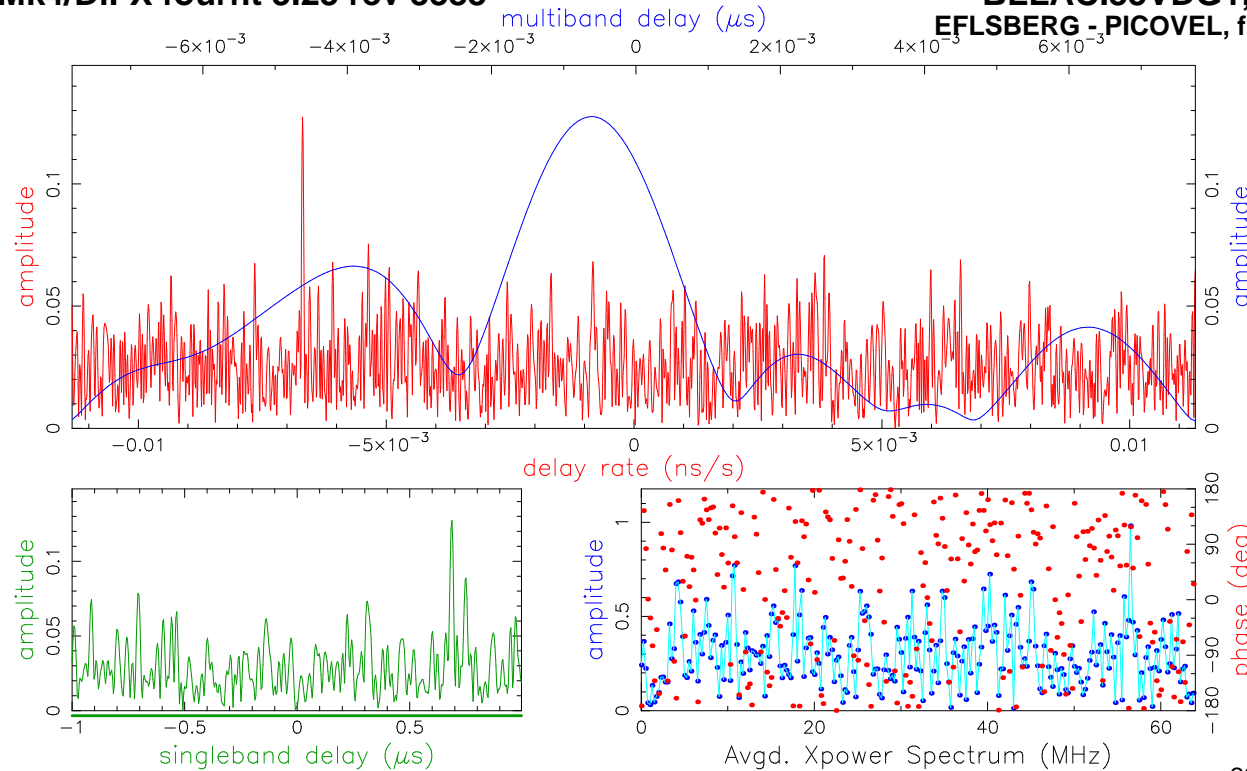


Amp. and Phase vs. time for each freq., 23 segs, 26 APs / seg (13.31 sec / seg.), time ticks 10 sec



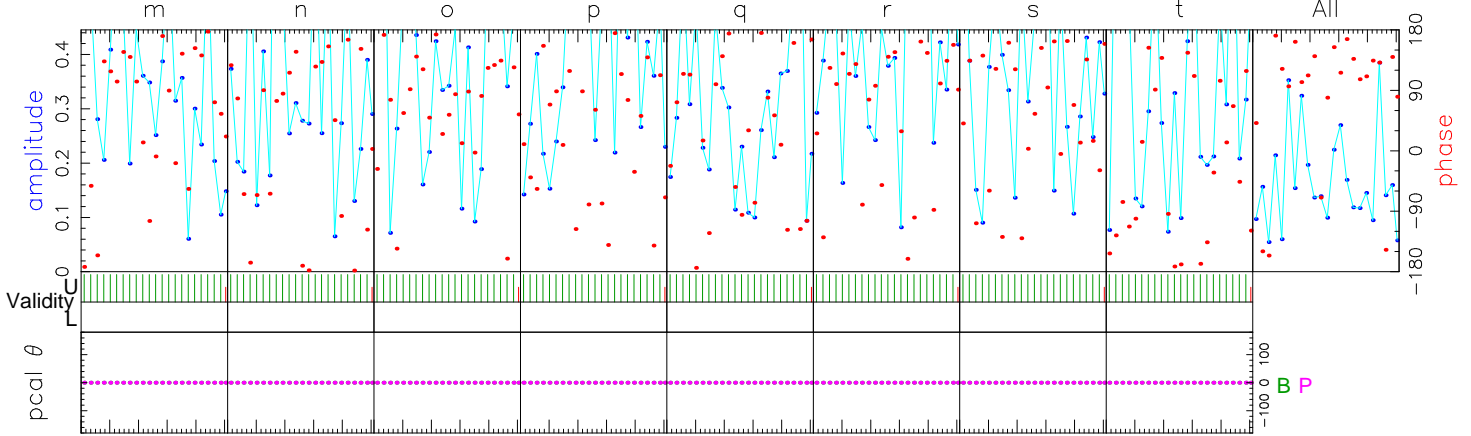
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
159.5	137.7	176.1	142.9	161.4	-159.9	143.1	145.4	155.1		
0.3	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.2		
300.3	389.1	87.6	62.7	226.0	168.1	444.4	35.8	302.0		
U/L	586/0	586/0	586/0	586/0	586/0	586/0	586/0			
B	0	0	0	0	0	0	0			
P	0	0	0	0	0	0	0			
B:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0			
B:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0			
B	1000	1000	1000	1000	1000	1000	1000			
P	1000	1000	1000	1000	1000	1000	1000			
B	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		
P	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL		
Group delay (usec) (SBD)	8.08589385411E+02		Apriori delay (usec)		8.08407648205E+02		Resid mbdelay (usec)		-5.76279E-03	+/- 1.9E-04
Sband delay (usec)	8.08583378455E+02		Apriori clock (usec)		-3.3786137E+01		Resid sbdelay (usec)		1.75730E-01	+/- 1.5E-03
Phase delay (usec)	8.08407653206E+02		Apriori clockrate (us/s)		3.9827031E-07		Resid phdelay (usec)		5.00097E-06	+/- 6.3E-07
Delay rate (us/s)	-2.06837670859E-01		Apriori rate (us/s)		-2.06846465695E-01		Resid rate (us/s)		8.79484E-06	+/- 3.7E-09
Total phase (deg)	89.0		Apriori accel (us/s/s)		8.38152317123E-06		Resid phase (deg)		155.1	+/- 19.6

ph/seg (deg) 66.3 47.1 Search (2048X32) 0.117 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 82.5 82.1 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 23.2 27.7 Inc. seg. avg. 0.162 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 32.6 48.4 Inc. frq. avg. 0.151 Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us dr window (ns/s) -0.011 0.011
 B: az 116.2 el 75.1 pa -50.2 P: az 67.4 el 67.6 pa -94.5 u,v (fr/asec) 1620.151 1687.946 simultaneous interpolator
 Control file: cf_1234_gmva Input file: /Exps/t241/FRINGE/1234/No0090/BP..35VDG1 Output file: /Exps/t241/FRINGE/1234/No0090/BP.W.10.35VDG1

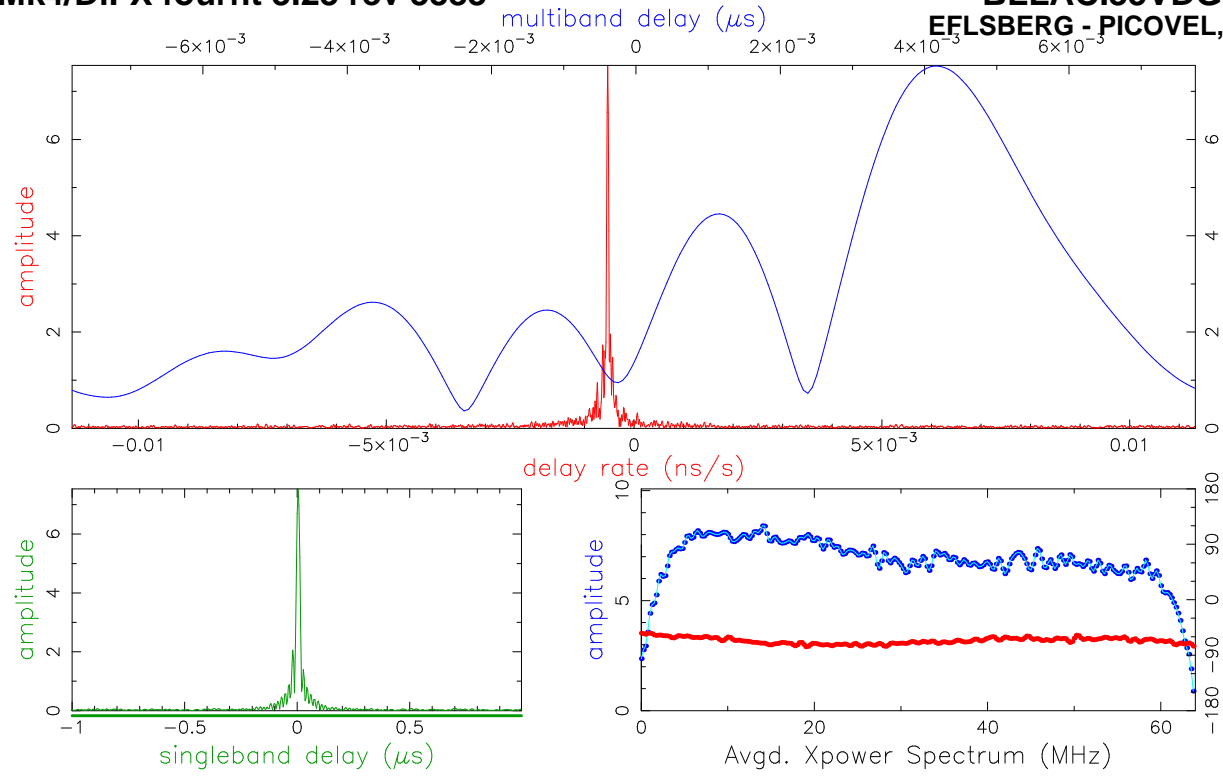


Fringe quality 0
 SNR 6.1
 Int time 299.954
 Amp 0.148
 Phase 132.3
 PFD 2.9e-01
 Delays (us)
 SBD 0.686503
 MBD -0.000684
 Fringe rate (Hz)
 -0.577262
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512
 Exp. t241a
 Exper # 1234
 Yr:day 2024:079
 Start 083500.00
 Stop 084000.03
 FRT 083730.00
 Corr/FF/build
 2024:080:071824
 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

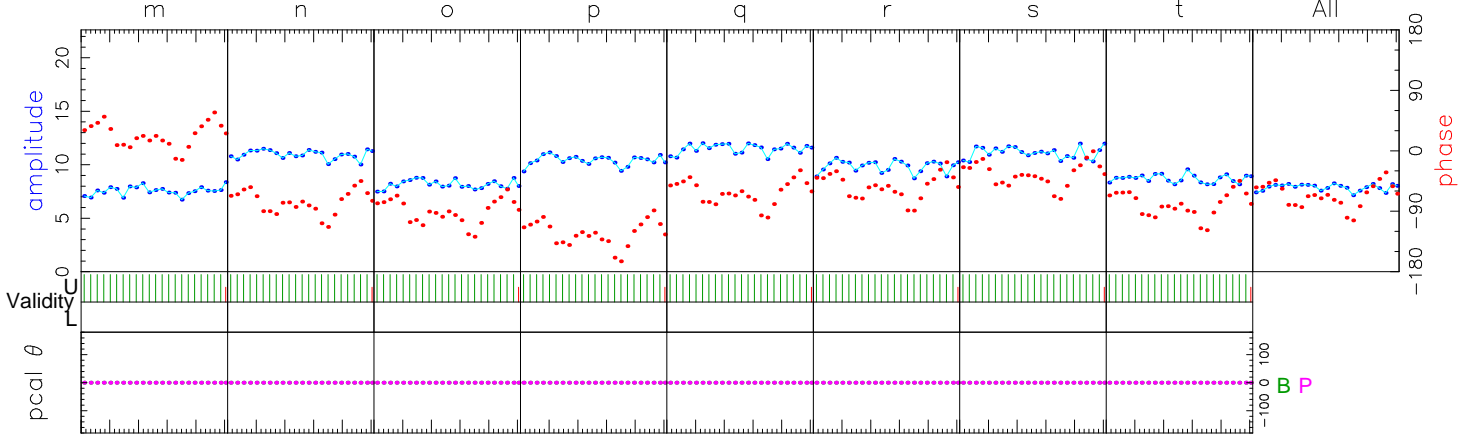


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All		
	136.1	138.8	108.8	109.7	155.4	147.5	98.7	155.3	Phase	132.3		
	0.2	0.2	0.3	0.0	0.1	0.2	0.1	0.1	Ampl.	0.1		
	281.4	413.3	433.1	365.9	74.7	384.2	454.5	109.7	Sbd box	432.7		
U/L	586/0	586/0	586/0	586/0	586/0	586/0	586/0	586/0	APs used			
B	0	0	0	0	0	0	0	0	PC freqs			
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			
									Tracks			
Group delay (usec) (SBD)	8.09094464113E+02		Apriori delay (usec)		8.08407648205E+02		Resid mbdelay (usec)		-6.84092E-04	+/- 1.8E-04		
Sband delay (usec)	8.09094150705E+02		Apriori clock (usec)		-3.3786137E+01		Resid sbdelay (usec)		6.86503E-01	+/- 1.4E-03		
Phase delay (usec)	8.08407652472E+02		Apriori clockrate (us/s)		3.9827031E-07		Resid phdelay (usec)		4.26659E-06	+/- 6.1E-07		
Delay rate (us/s)	-2.06853167129E-01		Apriori rate (us/s)		-2.06846465695E-01		Resid rate (us/s)		-6.70143E-06	+/- 3.5E-09		
Total phase (deg)	66.2		Apriori accel (us/s/s)		8.38152317123E-06		Resid phase (deg)		132.3	+/- 18.9		
ph/seg (deg)	RMS 53.1	Theor. 45.3	Amplitude 53.1	0.148 +/- 0.024		Pcal mode: MANUAL, MANUAL		PC period (AP's) 5, 5				
amp/seg (%)	76.6	79.1	Search (2048X32)	0.126		Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-1.000	1.000		
ph/frq (deg)	24.3	26.7	Interp.	0.000		Bits/sample: 2x2		SampCntNorm: enabled	mb window (us)	-0.008	0.008	
amp/frq (%)	50.2	46.6	Inc. seg. avg.	0.151		Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us		dr window (ns/s)	-0.011	0.011		
			Inc. frq. avg.	0.141		Data rate(Mb/s): 2048		nlags: 256	t_cohere infinite	ion window (TEC)	0.00	0.00
B: az 116.2 el 75.1 pa -50.2	P: az 67.4 el 67.6 pa -94.5		u, v (fr/asec) 1620.151 1687.946						simultaneous interpolator			
Control file: cf_1234_gmva	Input file: /Exps/t241/FRINGE/1234/No0090/BP..35VDG1		Output file: /Exps/t241/FRINGE/1234/No0090/BP.W.2.35VDG1									

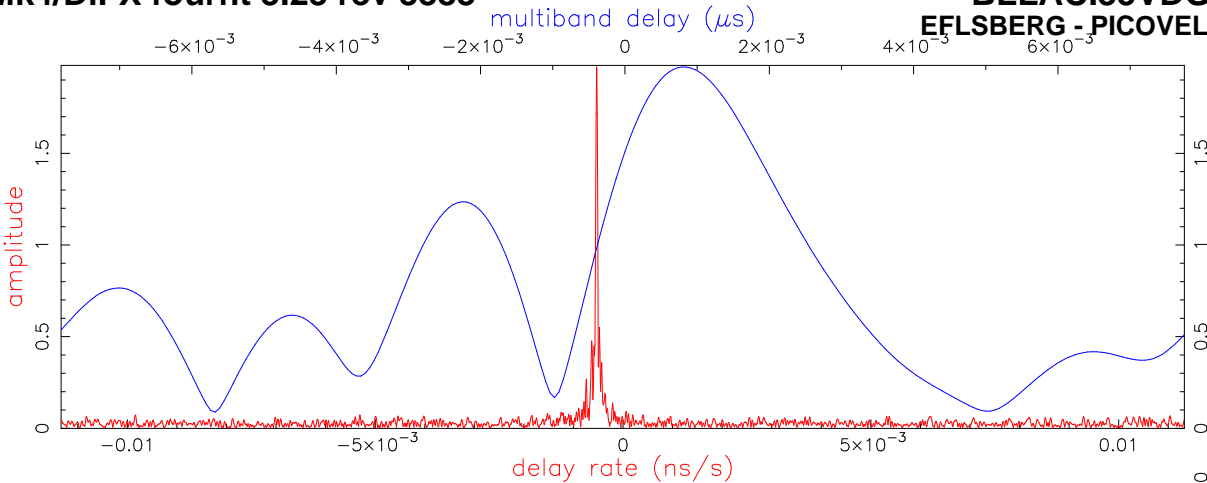


Fringe quality 5
 SNR 356.7
 Int time 299.954
 Amp 7.538
 Phase -65.6
 PFD 0.0e+00
 Delays (us)
 SBD 0.004271
 MBD 0.004174
 Fringe rate (Hz)
 -0.046225
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512
 Exp. t241a
 Exper # 1234
 Yr:day 2024:079
 Start 083500.00
 Stop 084000.03
 FRT 083730.00
 Corr/FF/build
 2024:080:071824
 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

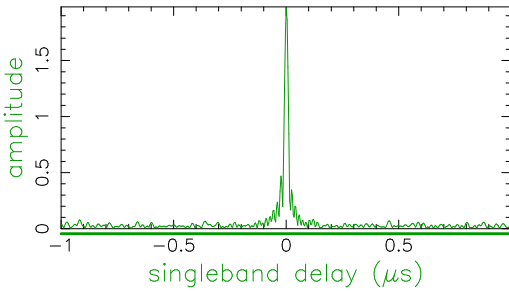


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	23.1	-76.2	-90.2	-122.7	-61.8	-52.7	-34.9	-79.5	Phase	-65.6
	7.2	10.5	7.8	9.9	11.0	9.4	10.6	8.3	Ampl.	9.3
	255.5	257.3	257.7	257.8	258.4	257.7	258.1	256.5	Sbd box	258.1
U/L	586/0	586/0	586/0	586/0	586/0	586/0	586/0	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	
									Tracks	
Group delay (usec) (SBD)	8.08411822191E+02		Apriori delay (usec)		8.08407648205E+02		Resid mbdelay (usec)		4.17399E-03	+/- 3.0E-06
Sband delay (usec)	8.08411919705E+02		Apriori clock (usec)		-3.3786137E+01		Resid sbdelay (usec)		4.27150E-03	+/- 2.4E-05
Phase delay (usec)	8.08407646089E+02		Apriori clockrate (us/s)		3.9827031E-07		Resid phdelay (usec)		-2.11614E-06	+/- 1.0E-08
Delay rate (us/s)	-2.06847002322E-01		Apriori rate (us/s)		-2.06846465695E-01		Resid rate (us/s)		-5.36627E-07	+/- 6.0E-11
Total phase (deg)	228.3		Apriori accel (us/s/s)		8.38152317123E-06		Resid phase (deg)		-65.6	+/- 0.3
RMS	17.7	0.8	Search (2048X32)	7.205	Pcal mode: MANUAL, MANUAL		PC period (AP's) 5, 5		sb window (us)	-1.000 1.000
ph/seg (deg)	17.7	0.8	Interp.	0.000	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		SampCntNorm: enabled		mb window (us)	-0.008 0.008
amp/seg (%)	6.2	1.3	Inc. seg. avg.	7.891	Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us		nlags: 256 t_cohere infinite		dr window (ns/s)	-0.011 0.011
ph/frq (deg)	46.8	0.5	Inc. frq. avg.	9.336	Data rate(Mb/s): 2048		ion window (TEC)		0.00 0.00	
amp/frq (%)	29.7	0.8			u,v (fr/asec) 1620.151 1687.946		simultaneous interpolator			
B: az 116.2 el 75.1 pa -50.2	P: az 67.4 el 67.6 pa -94.5		Control file: cf_1234_gmva		Input file: /Exps/t241/FRINGE/1234/No0090/BP..35VDG1		Output file: /Exps/t241/FRINGE/1234/No0090/BP.W.5.35VDG1			

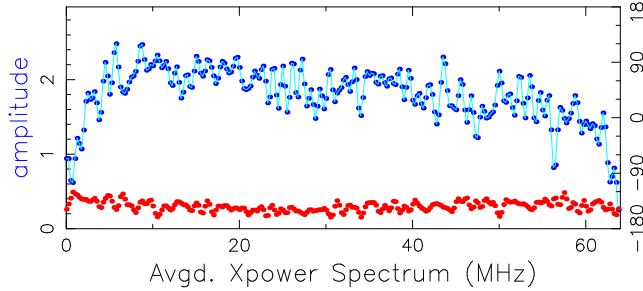


Fringe quality 5

SNR 93.7
Int time 299.954
Amp 1.979
Phase -145.5
PFD 0.0e+00
Delays (us)
SBD 0.000759
MBD 0.000838
Fringe rate (Hz)
-0.046182
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

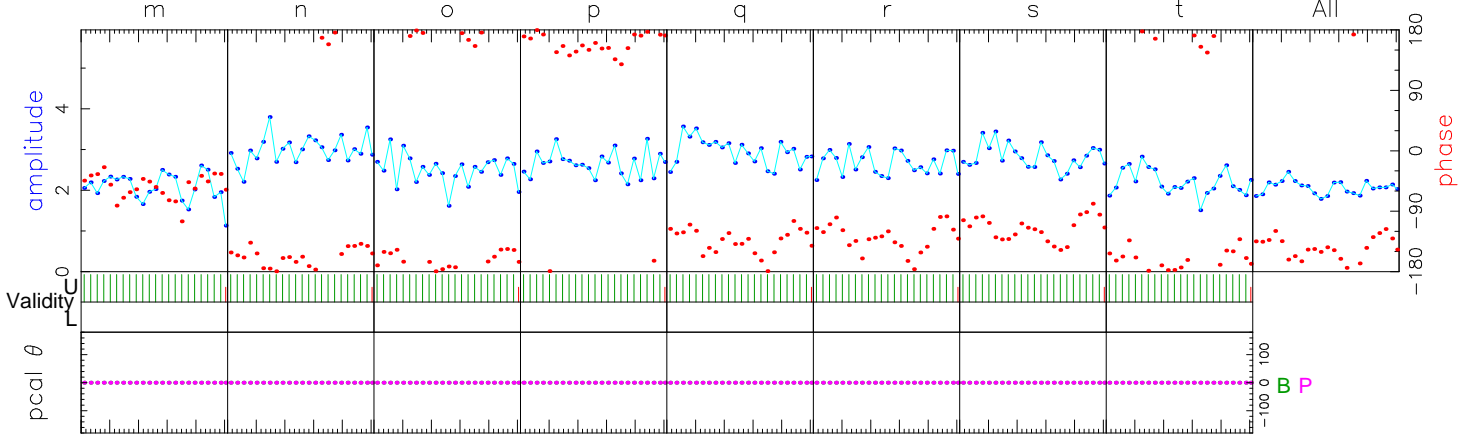


delay rate (ns/s)



Exp. t241a
Exper # 1234
Yr:day 2024:079
Start 083500.00
Stop 084000.03
FRT 083730.00
Corr/FF/build
2024:080:071824
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



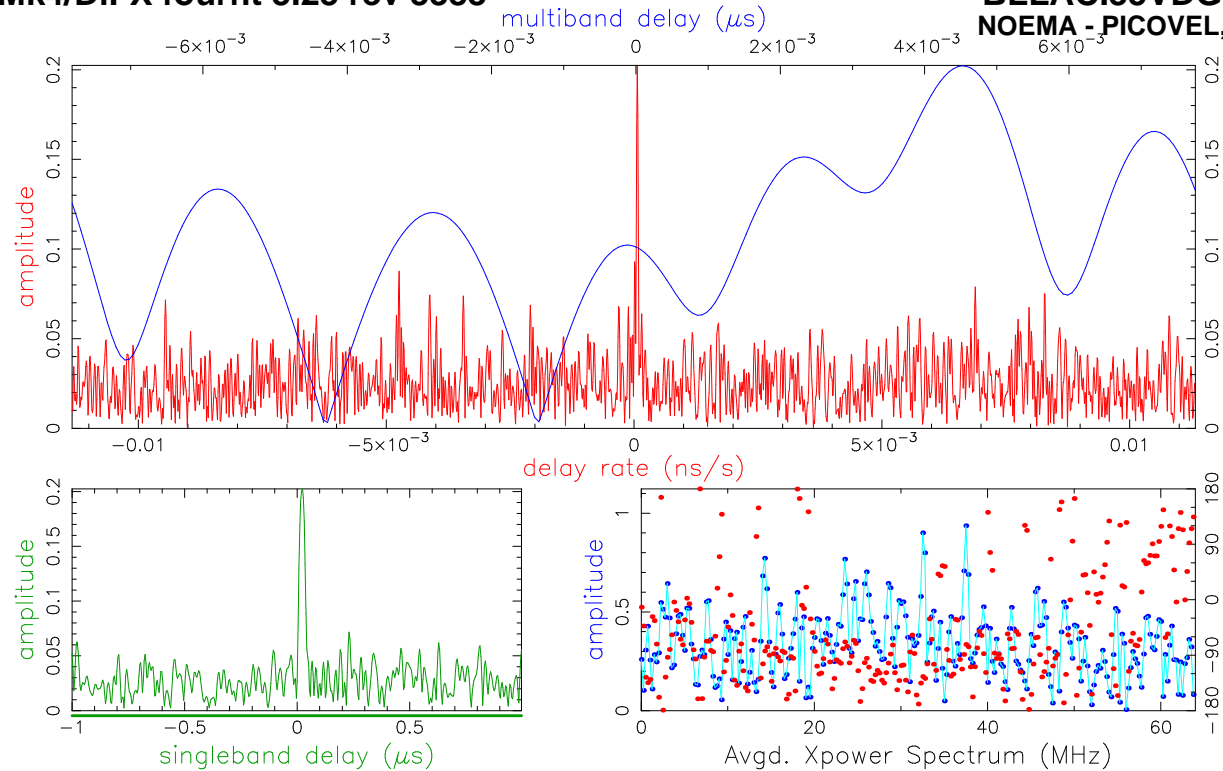
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-53.3	-161.9	-169.4	161.1	-133.5	-129.3	-114.8	-169.1	Phase	-145.5
	2.0	2.9	2.4	2.6	2.8	2.5	2.7	2.1	Ampl.	2.5
	255.1	256.3	256.8	257.0	257.6	256.6	257.1	255.6	Sbd box	257.2
U/L	586/0	586/0	586/0	586/0	586/0	586/0	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	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
P	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Tracks	

Group delay (usec) (SBD)	8.08408486097E+02	Apriori delay (usec)	8.08407648205E+02	Resid mbdelay (usec)	8.37892E-04	+/-	1.2E-05
Sband delay (usec)	8.08408407455E+02	Apriori clock (usec)	-3.3786137E+01	Resid sbdelay (usec)	7.59250E-04	+/-	9.2E-05
Phase delay (usec)	8.08407643512E+02	Apriori clockrate (us/s)	3.9827031E-07	Resid phdelay (usec)	-4.69355E-06	+/-	3.9E-08
Delay rate (us/s)	-2.06847001822E-01	Apriori rate (us/s)	-2.06846465695E-01	Resid rate (us/s)	-5.36127E-07	+/-	2.3E-10
Total phase (deg)	148.3	Apriori accel (us/s/s)	8.38152317123E-06	Resid phase (deg)	-145.5	+/-	1.2

ph/seg (deg)	17.8	Theor.	Amplitude	1.979 +/- 0.021	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5			
amp/seg (%)	9.2	2.9	Search (2048X32)	1.909	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000	1.000	
ph/frq (deg)	48.5	1.7	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	mb window (us)	-0.008	0.008
amp/frq (%)	29.9	3.0	Inc. seg. avg.	2.067	Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us	nlags: 256 t_cohere infinite	dr window (ns/s)	-0.011	0.011
			Inc. frq. avg.	2.489	Data rate(Mb/s): 2048	ion window (TEC)	0.00	0.00	

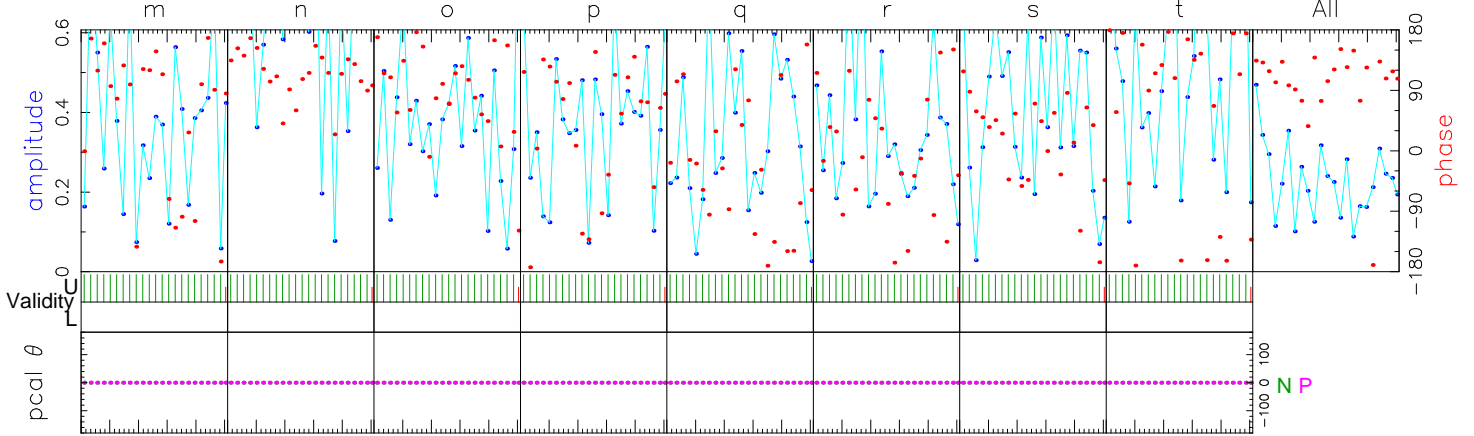
B: az 116.2 el 75.1 pa -50.2 P: az 67.4 el 67.6 pa -94.5 u,v (fr/asec) 1620.151 1687.946 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/t241/FRINGE/1234/No0090/BP..35VDG1 Output file: /Exps/t241/FRINGE/1234/No0090/BP.W.7.35VDG1

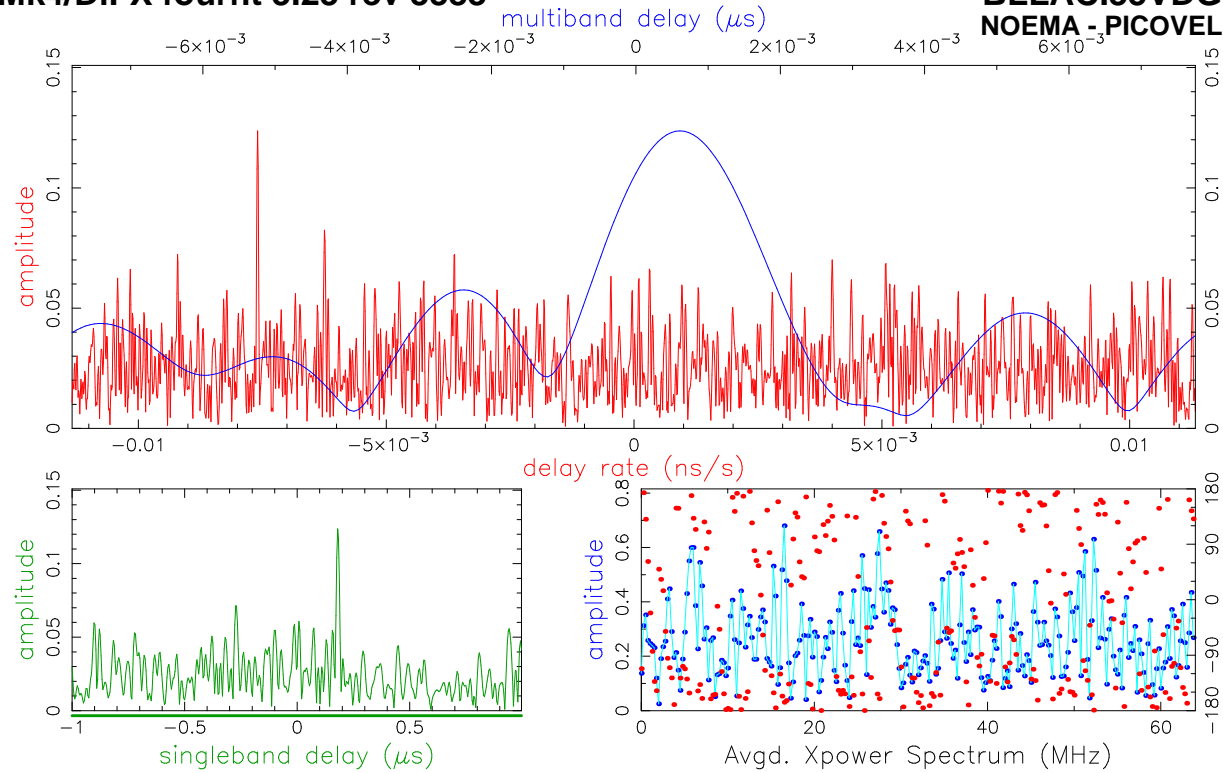


Fringe quality 9
 SNR 9.6
 Int time 299.970
 Amp 0.202
 Phase 114.6
 PFD 3.7e-13
 Delays (us)
 SBD 0.022345
 MBD 0.004505
 Fringe rate (Hz) 0.005456
 Ion TEC 0.000
 Ref freq (MHz) 86140.0000
 AP (sec) 0.512
 Exp. t241a
 Exper # 1234
 Yr:day 2024:079
 Start 083500.00
 Stop 084000.03
 FRT 083730.00
 Corr/FF/build
 2024:080:071824
 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	
	127.9	117.0	104.8	99.0	-121.3	8.6	35.5	154.8	Phase	114.6	
	0.2	0.7	0.2	0.2	0.1	0.2	0.2	0.4	Ampl.	0.3	
	266.0	262.0	260.7	261.4	266.3	260.6	266.1	262.5	Sbd box	262.7	
U/L	586/0	586/0	586/0	586/0	586/0	586/0	586/0	586/0	APs used		
P/N	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)	9.22361346107E+02		Apriori delay (usec)		9.22341216316E+02		Resid mbdelay (usec)		4.50479E-03	+/- 1.1E-04	
Sband delay (usec)	9.22363561316E+02		Apriori clock (usec)		-1.2530960E+01		Resid sbdelay (usec)		2.23450E-02	+/- 9.0E-04	
Phase delay (usec)	9.22341220012E+02		Apriori clockrate (us/s)		-1.3935503E-08		Resid phdelay (usec)		3.69641E-06	+/- 3.9E-07	
Delay rate (us/s)	-1.67711107787E-01		Apriori rate (us/s)		-1.67711171125E-01		Resid rate (us/s)		6.33373E-08	+/- 2.2E-09	
Total phase (deg)	249.1		Apriori accel (us/s/s)		2.62651817051E-06		Resid phase (deg)		114.6	+/- 12.0	
	RMS	Theor.	Amplitude	0.202 +/- 0.021		Pcal mode: MANUAL, MANUAL		PC period (AP's) 5, 5			
ph/seg (deg)	31.6	28.7	Search (2048X32)	0.199		Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)		-1.000 1.000	
amp/seg (%)	47.3	50.0	Interp.	0.000		Bits/sample: 2x2		SampCntNorm: enabled		mb window (us)	-0.008 0.008
ph/frq (deg)	76.4	16.9	Inc. seg. avg.	0.206		Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us		dr window (ns/s)		-0.011 0.011	
amp/frq (%)	100.9	29.5	Inc. frq. avg.	0.251		Data rate(Mb/s): 2048		nlags: 256 t_cohere infinite		ion window (TEC)	0.00 0.00
N: az 92.5 el 76.0 pa -73.7	P: az 67.4 el 67.6 pa -94.5		u, v (fr/asec) 1305.949 826.329		simultaneous interpolator						
Control file: cf_1234_gmva	Input file: /Exps/t241/FRINGE/1234/No0090/NP..35VDG1		Output file: /Exps/t241/FRINGE/1234/No0090/NP.W.12.35VDG1								

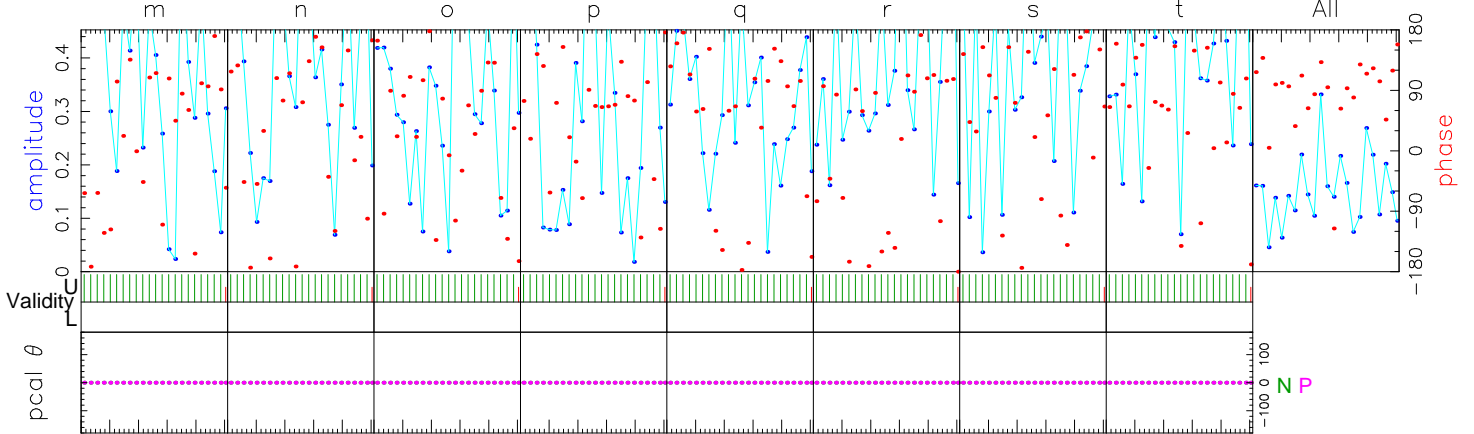


Fringe quality 0

SNR 5.9
Int time 299.970
Amp 0.151
Phase 102.4
PFD 6.1e-01
Delays (us)
SBD 0.180654
MBD 0.000636
Fringe rate (Hz)
-0.655256
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

Exp. t241a
Exper # 1234
Yr:day 2024:079
Start 083500.00
Stop 084000.03
FRT 083730.00
Corr/FF/build
2024:080:071824
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



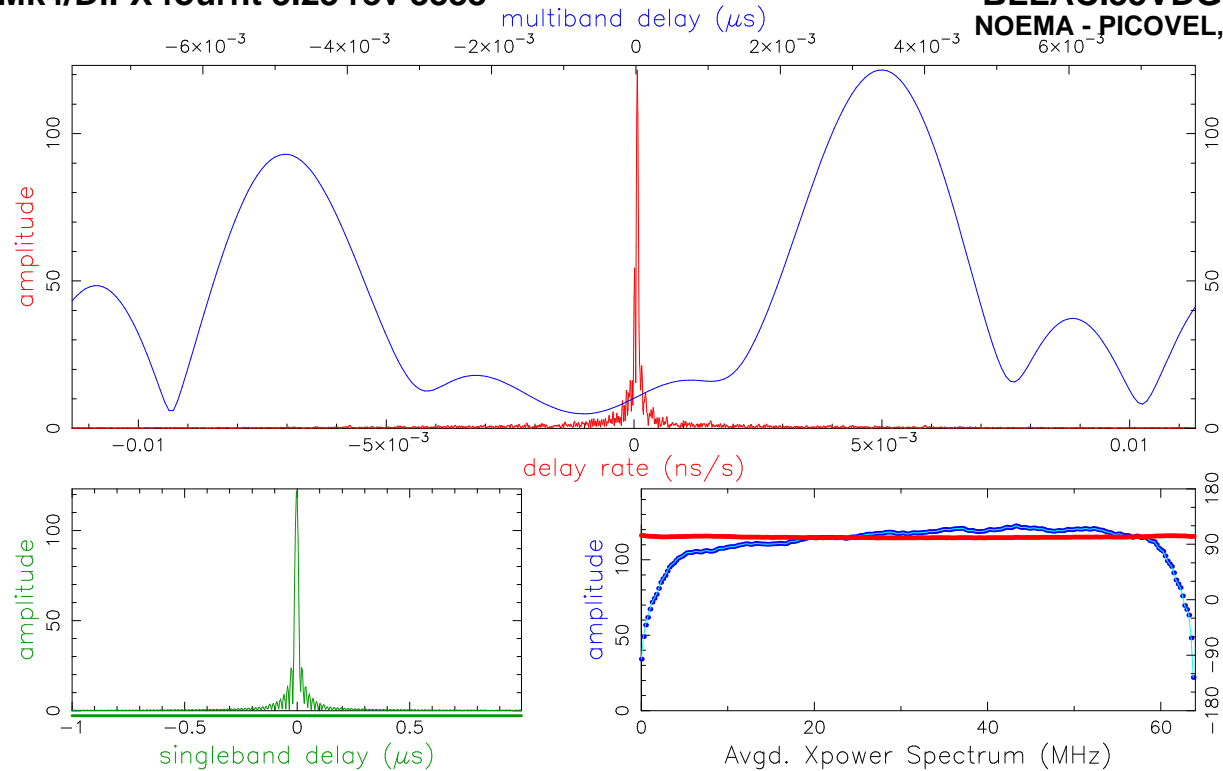
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	586/0	586/0	586/0	586/0	586/0	586/0	586/0	586/0		
N	0	0	0	0	0	0	0	0	PC freqs	
P	0	0	0	0	0	0	0	0	PC freqs	
N:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
N:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
N	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
P	1000	1000	1000	1000	1000	1000	1000	1000		
N	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
P	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	

Group delay (usec) (SBD)	9.22529352406E+02	Apriori delay (usec)	9.22341216316E+02	Resid mbdelay (usec)	6.36090E-04	+/-	1.8E-04
Sband delay (usec)	9.22521870566E+02	Apriori clock (usec)	-1.2530960E+01	Resid sbdelay (usec)	1.80654E-01	+/-	1.5E-03
Phase delay (usec)	9.22341219618E+02	Apriori clockrate (us/s)	-1.3935503E-08	Resid phdelay (usec)	3.30204E-06	+/-	6.3E-07
Delay rate (us/s)	-1.6771877998E-01	Apriori rate (us/s)	-1.67711171125E-01	Resid rate (us/s)	-7.60687E-06	+/-	3.6E-09
Total phase (deg)	236.8	Apriori accel (us/s/s)	2.62651817051E-06	Resid phase (deg)	102.4	+/-	19.4

ph/seg (deg)	45.7	Theor.	46.6	Amplitude	0.151 +/- 0.026	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	
amp/seg (%)	58.1	Search (2048X32)	0.121	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-1.000 1.000	
ph/frq (deg)	24.1	Inc. seg. avg.	0.141	Bits/sample: 2x2		SampCntNorm: enabled	mb window (us)	-0.008 0.008
amp/frq (%)	46.8	Inc. frq. avg.	0.145	Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us		nlags: 256 t_cohere infinite	dr window (ns/s)	-0.011 0.011
				Data rate(Mb/s): 2048			ion window (TEC)	0.00 0.00

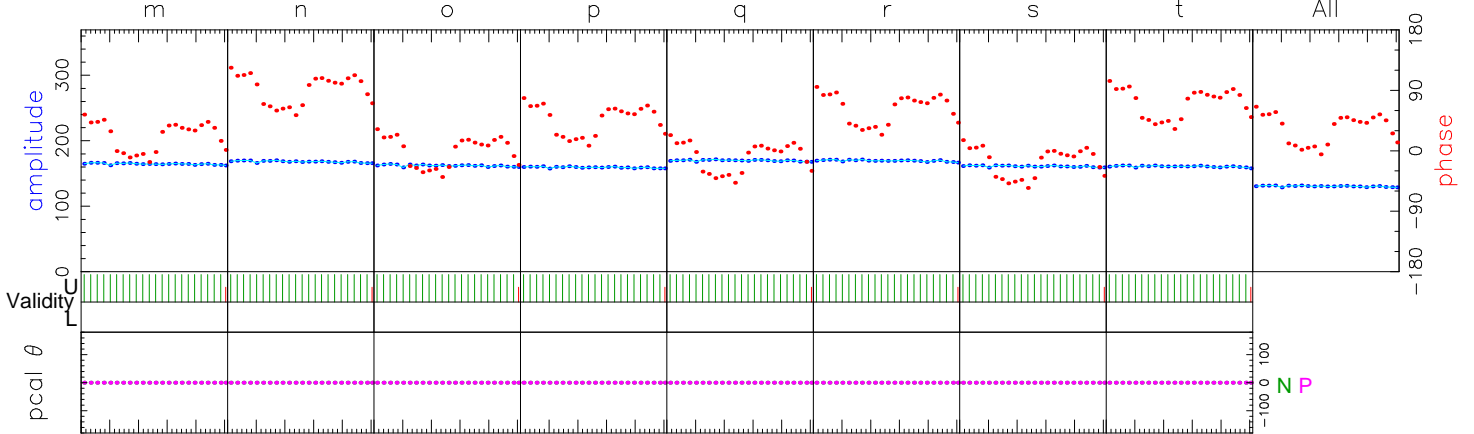
N: az 92.5 el 76.0 pa -73.7 P: az 67.4 el 67.6 pa -94.5 u,v (fr/asec) 1305.949 826.329 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/t241/FRINGE/1234/No0090/NP..35VDG1 Output file: /Exps/t241/FRINGE/1234/No0090/NP.W.3.35VDG1

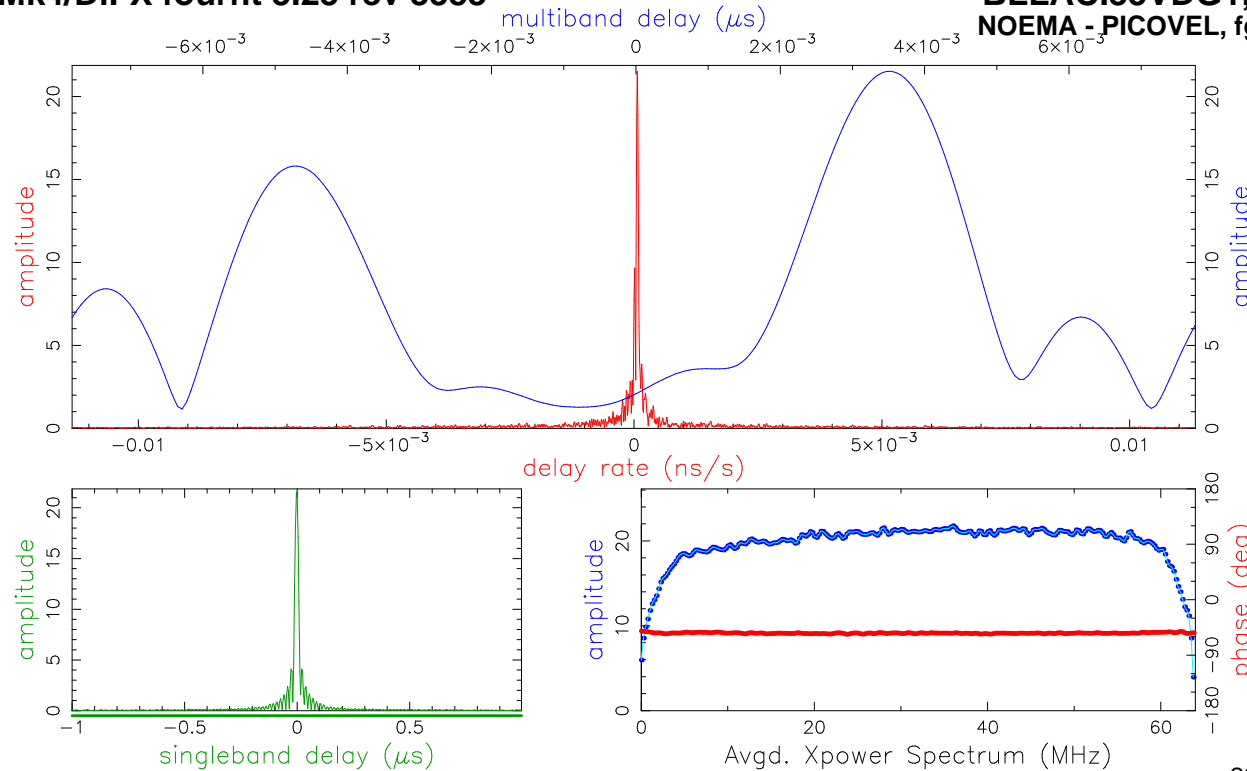


Fringe quality 5
SNR 5832.3
Int time 299.970
Amp 123.143
Phase 33.8
PFD 0.0e+00
Delays (us)
SBD -0.002476
MBD 0.003414
Fringe rate (Hz) 0.005320
Ion TEC 0.000
Ref freq (MHz) 86140.0000
AP (sec) 0.512
Exp. t241a
Exper # 1234
Yr:day 2024:079
Start 083500.00
Stop 084000.03
FRT 083730.00
Corr/FF/build
2024:080:071824
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

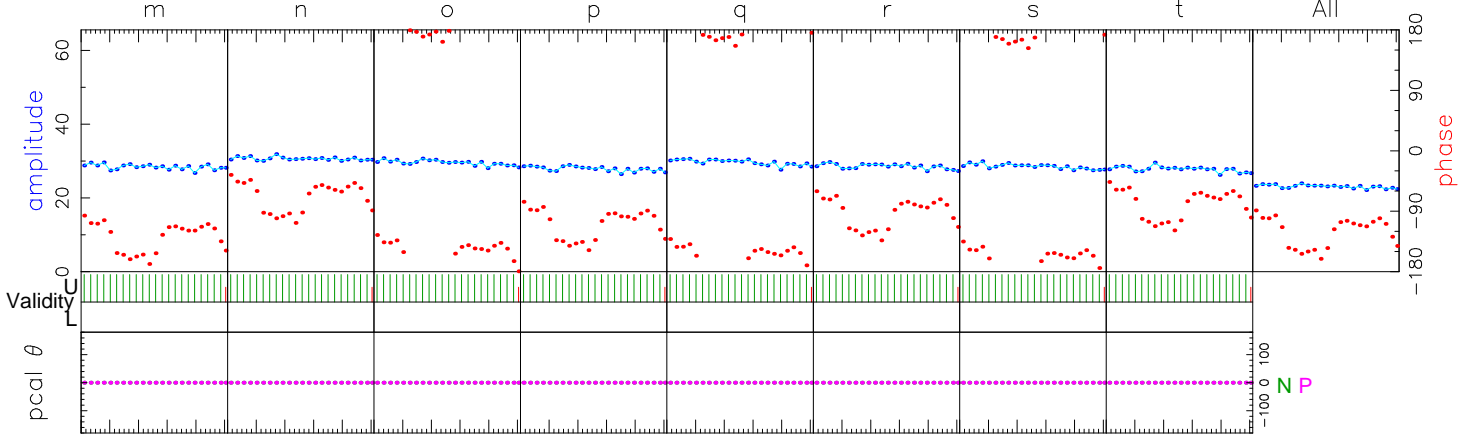


	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	22.5	92.1	0.3	46.7	-8.5	63.1	-16.1	71.7	Phase	33.8
	153.4	156.7	151.1	148.5	158.2	157.9	150.0	149.8	Ampl.	153.2
	256.7	256.6	256.3	256.7	256.9	256.3	257.0	257.0	Sbd box	256.4
U/L	586/0	586/0	586/0	586/0	586/0	586/0	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)	9.22344629950E+02		Apriori delay (usec)		9.22341216316E+02		Resid mbdelay (usec)		3.41363E-03	+/- 1.9E-07
Sband delay (usec)	9.22338740816E+02		Apriori clock (usec)		-1.2530960E+01		Resid sbdelay (usec)		-2.47550E-03	+/- 1.5E-06
Phase delay (usec)	9.22341217407E+02		Apriori clockrate (us/s)		-1.3935503E-08		Resid phdelay (usec)		1.09156E-06	+/- 6.3E-10
Delay rate (us/s)	-1.67711109367E-01		Apriori rate (us/s)		-1.67711171125E-01		Resid rate (us/s)		6.17572E-08	+/- 3.7E-12
Total phase (deg)	168.3		Apriori accel (us/s/s)		2.62651817051E-06		Resid phase (deg)		33.8	+/- 0.0
RMS	21.4	0.0	Amplitude		123.143 +/- 0.021		Pcal mode: MANUAL, MANUAL		PC period (AP's) 5, 5	
ph/seg (deg)	21.4	0.0	Search (2048X32)		118.566		Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us) -1.000 1.000	
amp/seg (%)	6.1	0.1	Interp.		0.000		Bits/sample: 2x2		SampCntNorm: enabled	
ph/frq (deg)	43.6	0.0	Inc. seg. avg.		130.558		Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us		dr window (ns/s) -0.011 0.011	
amp/frq (%)	24.6	0.0	Inc. frq. avg.		153.195		Data rate(Mb/s): 2048		nlags: 256 t_cohere infinite	
N: az 92.5 el 76.0 pa -73.7	P: az 67.4 el 67.6 pa -94.5		u, v (fr/asec)		1305.949 826.329				ion window (TEC) 0.00 0.00	
Control file: cf_1234_gmva	Input file: /Exps/t241/FRINGE/1234/No0090/NP..35VDG1		Output file: /Exps/t241/FRINGE/1234/No0090/NP.W.6.35VDG1							



Fringe quality 5
 SNR 1035.8
 Int time 299.970
 Amp 21.870
 Phase -120.7
 PFD 0.0e+00
 Delays (us)
 SBD -0.002270
 MBD 0.003518
 Fringe rate (Hz) 0.005343
 Ion TEC 0.000
 Ref freq (MHz) 86140.0000
 AP (sec) 0.512
 Exp. t241a
 Exper # 1234
 Yr:day 2024:079
 Start 083500.00
 Stop 084000.03
 FRT 083730.00
 Corr/FF/build
 2024:080:071824
 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
	-128.1	-67.7	-157.1	-108.8	-163.4	-92.2	-167.7	-79.0	Phase	-120.7
	26.5	28.5	27.5	26.0	27.6	26.6	26.6	25.9	Ampl.	26.9
	256.6	256.9	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	Mani 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)	9.22344733857E+02		Apriori delay (usec)		9.22341216316E+02		Resid mbdelay (usec)		3.51754E-03	+/- 1.0E-06
Sband delay (usec)	9.22338946316E+02		Apriori clock (usec)		-1.2530960E+01		Resid sbdelay (usec)		-2.27000E-03	+/- 8.3E-06
Phase delay (usec)	9.22341212425E+02		Apriori clockrate (us/s)		-1.3935503E-08		Resid phdelay (usec)		-3.89104E-06	+/- 3.6E-09
Delay rate (us/s)	-1.67711109097E-01		Apriori rate (us/s)		-1.67711171125E-01		Resid rate (us/s)		6.20278E-08	+/- 2.1E-11
Total phase (deg)	13.8		Apriori accel (us/s/s)		2.62651817051E-06		Resid phase (deg)		-120.7	+/- 0.1

ph/seg (deg) 21.6 0.3 Search (2048X32) 20.976 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 6.2 0.5 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 42.7 0.2 Inc. seg. avg. 23.138 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 23.3 0.3 Inc. frq. avg. 26.903 Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us dr window (ns/s) -0.011 0.011
 N: az 92.5 el 76.0 pa -73.7 P: az 67.4 el 67.6 pa -94.5 u,v (fr/asec) 1305.949 826.329 nlags: 256 t_cohere infinite ion window (TEC) 0.00 0.00
 Control file: cf_1234_gmva Input file: /Exps/t241/FRINGE/1234/No0090/NP..35VDG1 Output file: /Exps/t241/FRINGE/1234/No0090/NP.W.9.35VDG1 simultaneous interpolator