

Fringe quality 5

SNR 322.8

Int time 179.973

Amp 17.599

Phase -5.2

PFD 0.0e+00

Delays (us)

SBD -0.010474

MBD -0.000364

Fringe rate (Hz) 0.000841

Ion TEC 0.000

Ref freq (MHz) 43168.0000

AP (sec) 0.512

Exp. c241d

Exper # 1234

Yr:day 2024:114

Start 143001.00

Stop 143301.22

FRT 143131.00

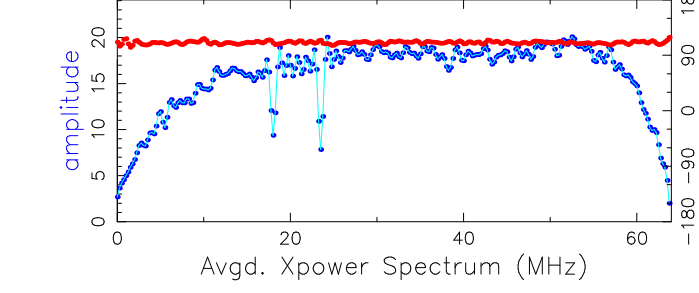
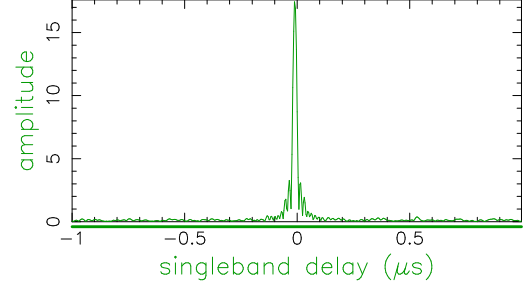
Corr/FF/build

2025:049:064418

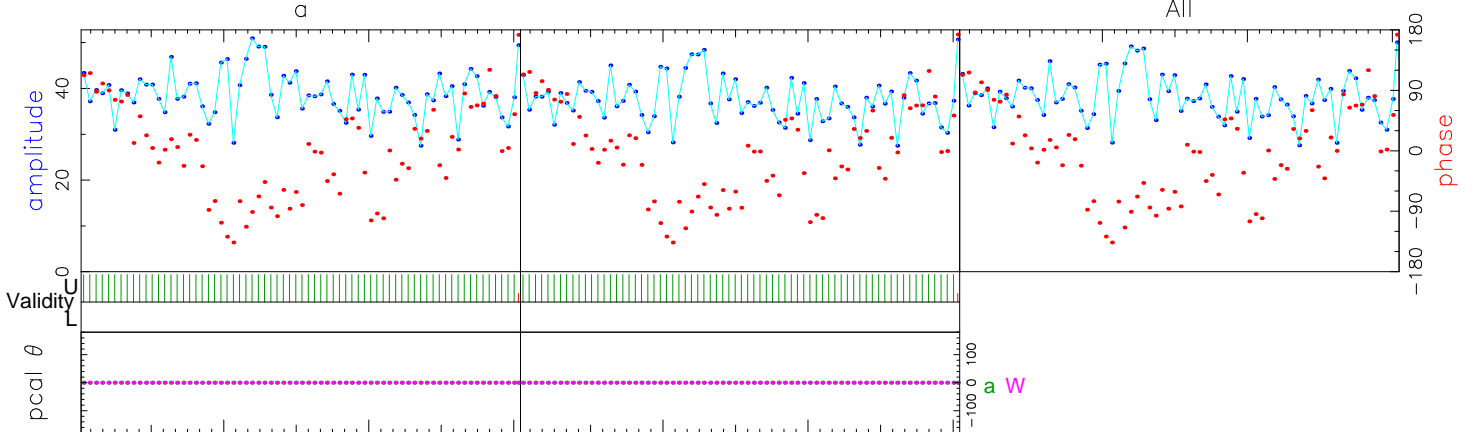
2025:051:103459

2023:348:201250

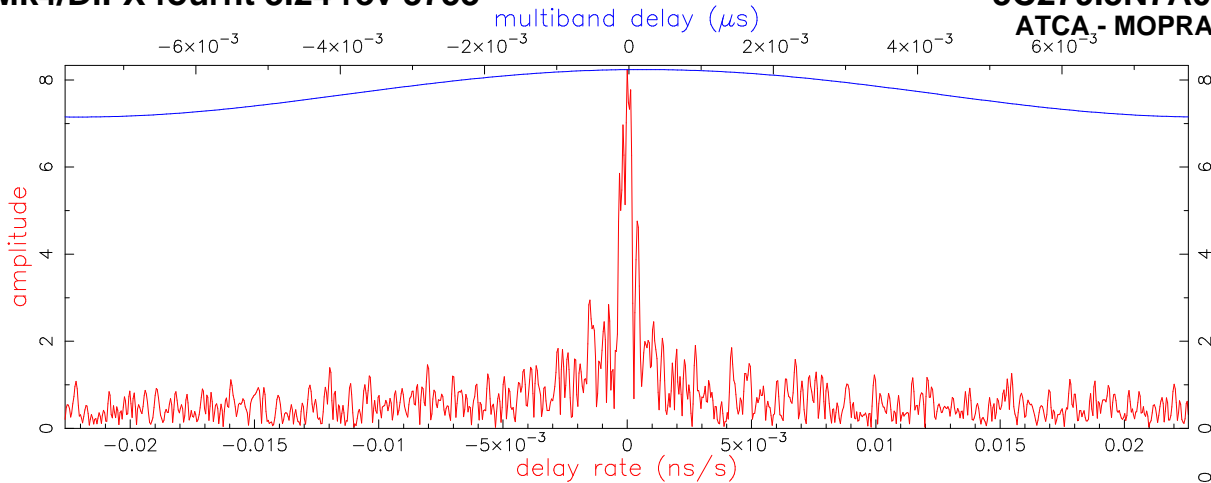
RA & Dec (J2000) 12h56m11.166579s --5°47'21.525152"



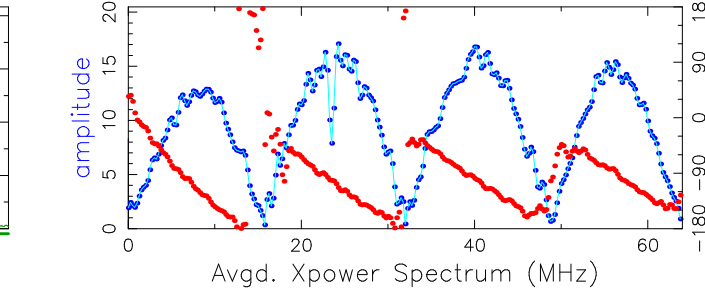
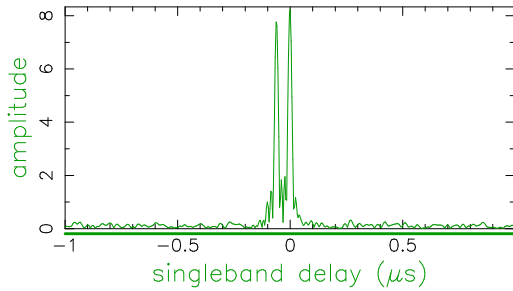
Amp. and Phase vs. time for each freq., 71 segs, 5 APs / seg (2.56 sec / seg.), time ticks 5 sec



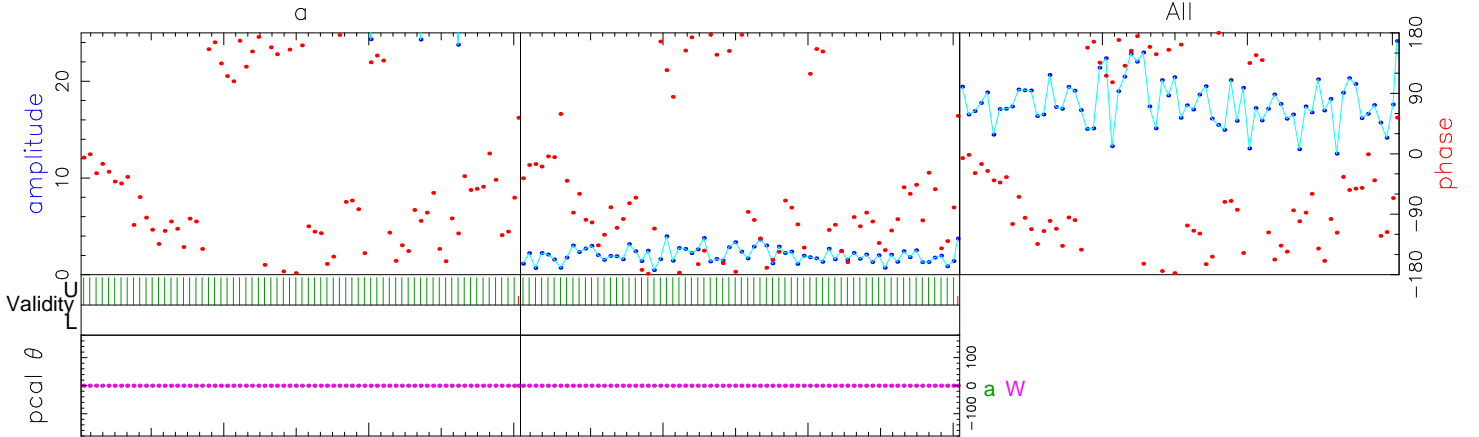
42912.00	42976.00	Freq (MHz)	All						
-4.9	-5.6	Phase	-5.2						
17.8	17.1	Ampl.	17.4						
254.3	254.3	Sbd box	254.3						
U/L 352/0	352/0	APs used							
a 0	0	PC freqs							
W 0	0	PC freqs							
a:W 0:0	0:0	PC phase							
a:W 0:0	0:0	Manl PC							
a 1000	1000	PC amp							
W 1000	1000								
a Q00UL	Q01UL	Chan ids							
W Q00UL	Q01UL	Tracks							
		Chan ids							
		Tracks							
Group delay (usec) (SBD)	2.20567948152E+01	Apriori delay (usec)	2.20727835652E+01	Resid mbdelay (usec)	-3.63750E-04	+/-	1.5E-05		
Sband delay (usec)	2.20623093152E+01	Apriori clock (usec)	-4.5529686E+01	Resid sbdelay (usec)	-1.04742E-02	+/-	2.7E-05		
Phase delay (usec)	2.20727832300E+01	Apriori clockrate (us/s)	4.7520001E-07	Resid phdelay (usec)	-3.35193E-07	+/-	2.3E-08		
Delay rate (us/s)	-1.52522667156E-02	Apriori rate (us/s)	-1.52522861935E-02	Resid rate (us/s)	1.94779E-08	+/-	2.2E-10		
Total phase (deg)	326.3	Apriori accel (us/s/s)	-5.26527934782E-07	Resid phase (deg)	-5.2	+/-	0.4		
RMS	Theor.	Amplitude	17.599 +/- 0.055	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5		
ph/seg (deg)	67.0	1.5	Search (1024X8)	16.888	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000	
amp/seg (%)	119.7	2.6	Interp.	0.000	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.008 0.008
ph/frq (deg)	0.0	0.3	Inc. seg. avg.	38.110	Data rate(MSamp/s):	128 MBpts 8 Amb 0.016 us	dr window (ns/s)	-0.023 0.023	
amp/frq (%)	2.0	0.4	Inc. frq. avg.	17.448	Data rate(Mb/s):	512	nlags: 256 t_cohere infinite	ion window (TEC)	0.00 0.00
a: az 311.3 el 56.2 pa 139.2	W: az 313.0 el 55.9 pa 140.9	u,v (fr/asec)	43.909 65.531	simultaneous interpolator					
Control file: cf_1234	Input file: /Exps/c241d/v2/7mm/1234/No1356/aW..3N7A0J	Output file: /Exps/c241d/v2/7mm/1234/No1356/aW.Q.13.3N7A0J							



Fringe quality 3
 Error code G
 SNR 152.9
 Int time 179.973
 Amp 8.335
 Phase -122.4
 PFD 0.0e+00
 Delays (us)
 SBD -0.001408
 MBD 0.000121
 Fringe rate (Hz)
 0.000871
 Ion TEC 0.000
 Ref freq (MHz)
 43168.0000
 AP (sec) 0.512
 Exp. c241d
 Exper # 1234
 Yr:day 2024:114
 Start 143001.00
 Stop 143301.22
 FRT 143131.00
 Corr/FF/build
 2025:049:064418
 2025:051:103459
 2023:348:201250
 RA & Dec (J2000)
 12h56m11.166579s
 -5°47'21.525152"



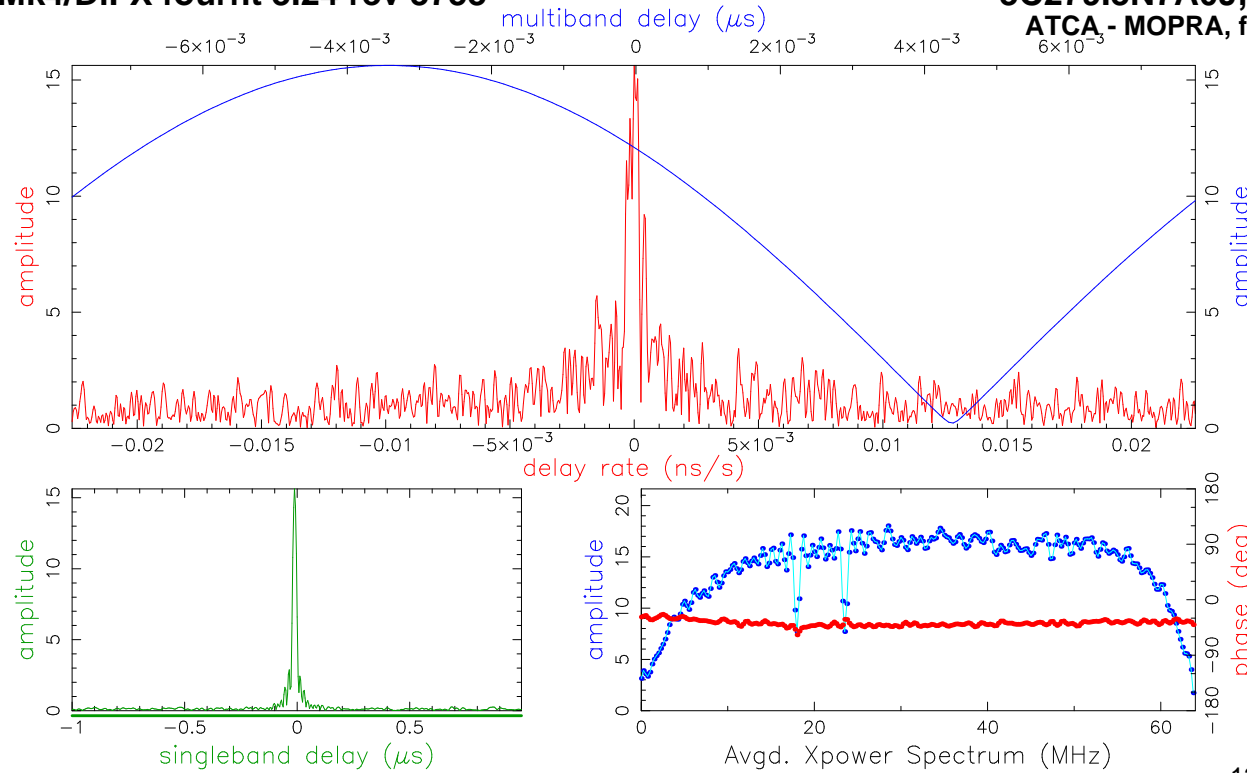
Amp. and Phase vs. time for each freq., 71 segs, 5 APs / seg (2.56 sec / seg.), time ticks 5 sec



42912.00	42976.00	Freq (MHz)	All
-122.5	-120.9	Phase	-122.4
15.4	1.1	Ampl.	8.2
256.7	241.4	Sbd box	256.6
U/L 352/0	352/0	APs used	
a 0	0	PC freqs	
W 0	0	PC freqs	
a:W 0:0	0:0	PC phase	
a:W 0:0	0:0	Manl PC	
a 1000	1000	PC amp	
W 1000	1000		
a Q00UR	Q01UR	Chan ids	
W Q00UR	Q01UR	Tracks	

Group delay (usec) (SBD)	2.20729040652E+01	Apriori delay (usec)	2.20727835652E+01	Resid mbdelay (usec)	1.20500E-04	+/-	3.3E-05
Sband delay (usec)	2.20713755652E+01	Apriori clock (usec)	-4.5529686E+01	Resid sbdelay (usec)	-1.40800E-03	+/-	5.6E-05
Phase delay (usec)	2.20727756890E+01	Apriori clockrate (us/s)	4.7520001E-07	Resid phdelay (usec)	-7.87628E-06	+/-	4.8E-08
Delay rate (us/s)	-1.52522660200E-02	Apriori rate (us/s)	-1.52522861935E-02	Resid rate (us/s)	2.01735E-08	+/-	4.6E-10
Total phase (deg)	209.1	Apriori accel (us/s/s)	-5.26527934782E-07	Resid phase (deg)	-122.4	+/-	0.7

ph/seg (deg)	66.6	RMS	66.6	Theor.	3.2	Amplitude	8.335 +/- 0.055	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5
amp/seg (%)	115.8	Search (1024X8)	7.978	Interp.	0.000	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000	1.000	
ph/frq (deg)	0.0	Inc. seg. avg.	17.679	Inc. frq. avg.	8.239	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.008	0.008
amp/frq (%)	85.8	Inc. frq. avg.	8.239	Data rate (MSamp/s):	128 MBpts	8 Amb	0.016 us	dr window (ns/s)	-0.023	0.023	
a: az 311.3 el 56.2 pa 139.2	W: az 313.0 el 55.9 pa 140.9	u, v (fr/asec)	43.909	65.531	Data rate (Mb/s):	512	nlags: 256	t_cohere infinite	ion window (TEC)	0.00	0.00

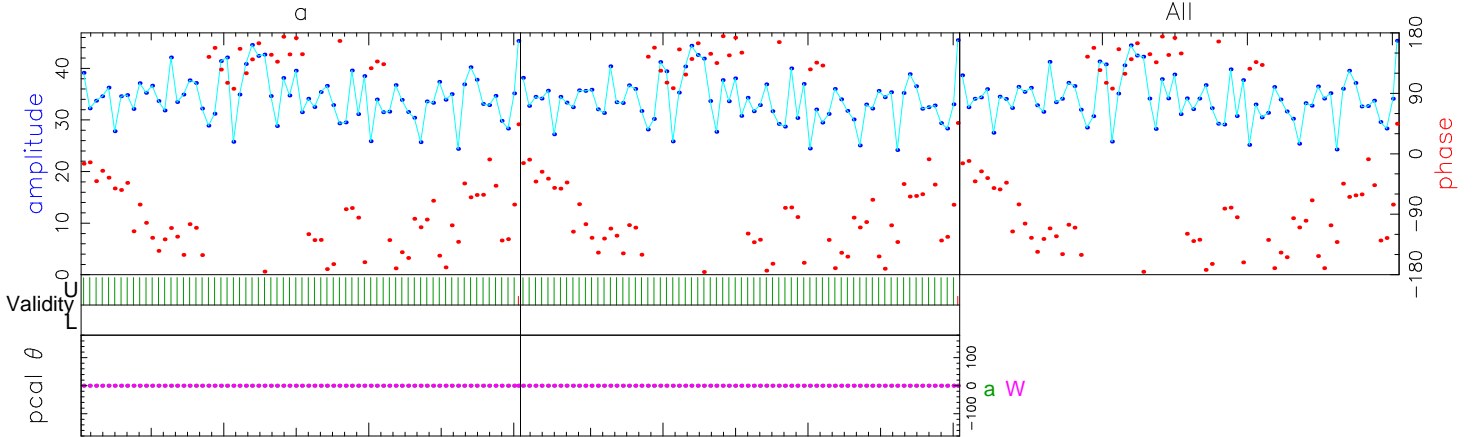


Fringe quality 5

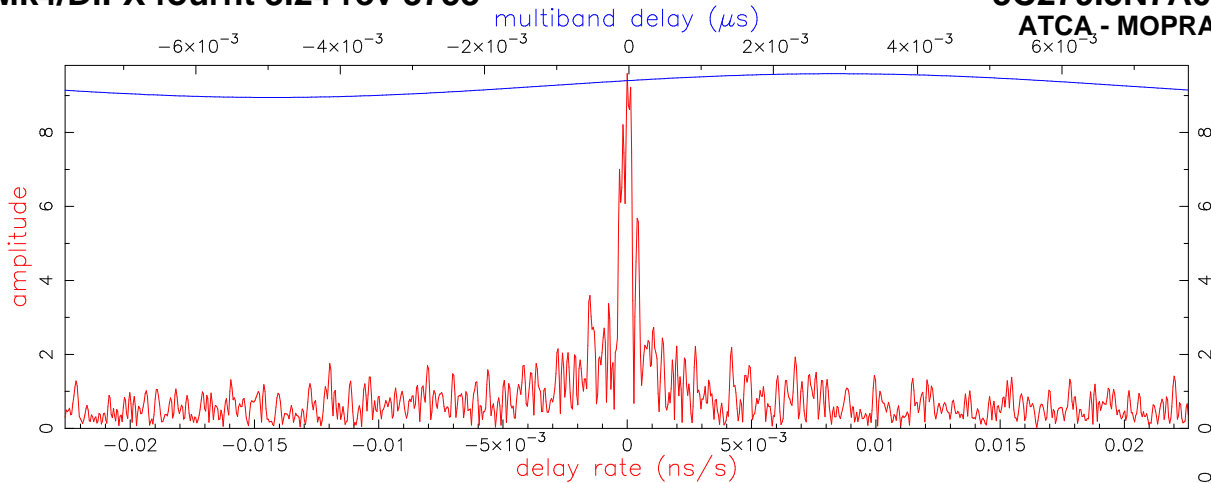
SNR 286.7
Int time 179.973
Amp 15.632
Phase -133.0
PFD 0.0e+00
Delays (us)
SBD -0.011630
MBD -0.003429
Fringe rate (Hz) 0.000858
Ion TEC 0.000
Ref freq (MHz) 43168.0000
AP (sec) 0.512

Exp. c241d
Exper # 1234
Yr:day 2024:114
Start 143001.00
Stop 143301.22
FRT 143131.00
Corr/FF/build
2025:049:064418
2025:051:103500
2023:348:201250
RA & Dec (J2000)
12h56m11.166579s
-5°47'21.525152"

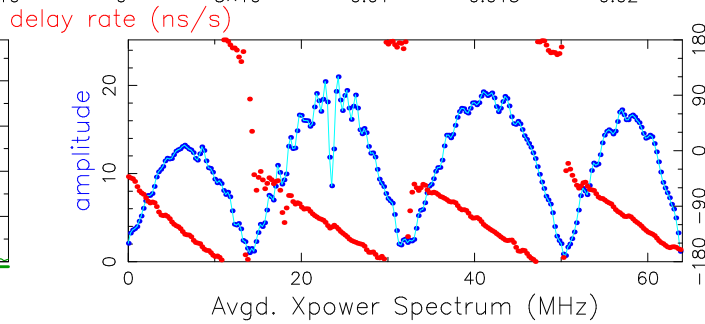
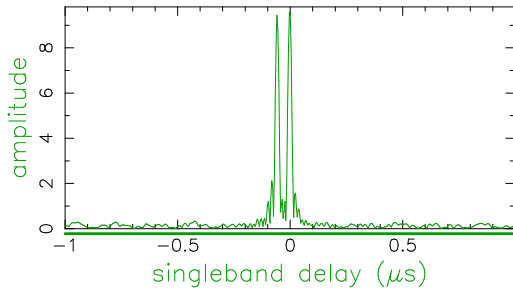
Amp. and Phase vs. time for each freq., 71 segs, 5 APs / seg (2.56 sec / seg.), time ticks 5 sec



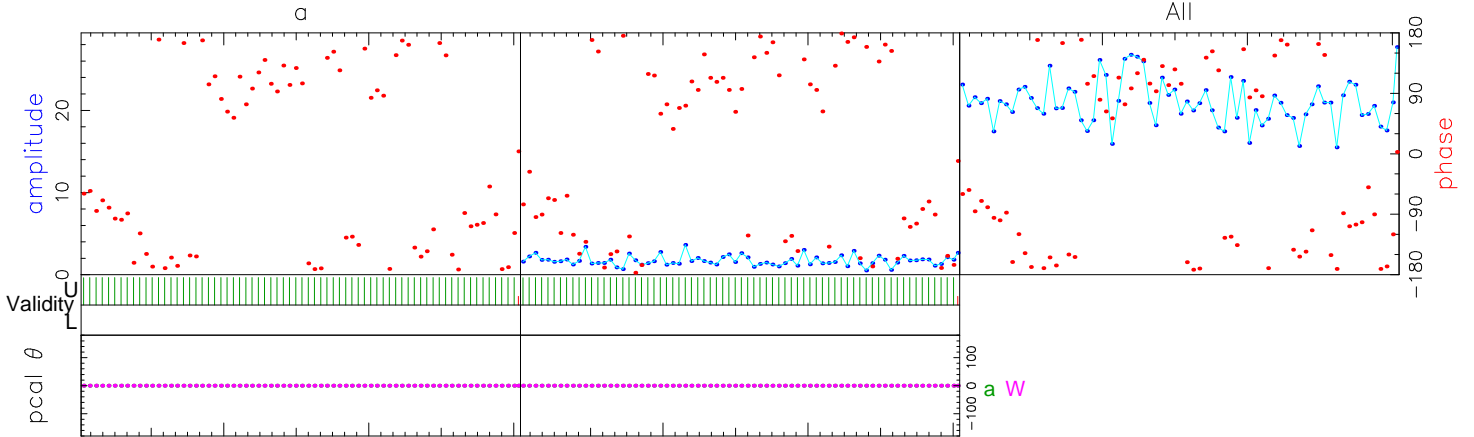
42912.00		42976.00		Freq (MHz)		All
	-132.9		-133.0		Phase	-133.0
	15.9		15.4		Ampl.	15.6
	254.7		253.4		Sbd box	254.0
U/L	352/0		352/0		APs used	
a	0		0		PC freqs	
W	0		0		PC freqs	
a:W	0:0		0:0		PC phase	
a:W	0:0		0:0		Manl PC	
a	1000		1000		PC amp	
W	1000		1000			
a	Q00UL		Q01UL		Chan ids	
W	Q00UR		Q01UR		Tracks	
					Chan ids	
					Tracks	
Group delay (usec) (SBD)	2.20537294402E+01	Apriori delay (usec)	2.20727835652E+01	Resid mbdelay (usec)	-3.42913E-03	+/- 1.7E-05
Sband delay (usec)	2.20611530652E+01	Apriori clock (usec)	-4.5529686E+01	Resid sbdelay (usec)	-1.16305E-02	+/- 3.0E-05
Phase delay (usec)	2.20727750096E+01	Apriori clockrate (us/s)	4.7520001E-07	Resid phdelay (usec)	-8.55564E-06	+/- 2.6E-08
Delay rate (us/s)	-1.52522663084E-02	Apriori rate (us/s)	-1.52522861935E-02	Resid rate (us/s)	1.98851E-08	+/- 2.5E-10
Total phase (deg)	198.6	Apriori accel (us/s/s)	-5.26527934782E-07	Resid phase (deg)	-133.0	+/- 0.4
RMS	Theor.	Amplitude	15.632 +/- 0.055	Pcal mode:	MANUAL, MANUAL	PC period (AP's) 5, 5
ph/seg (deg)	66.9 1.7	Search (1024X8)	15.084	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us) -1.000 1.000
amp/seg (%)	121.2 2.9	Interp.	0.000	Bits/sample:	2x2	SampCntNorm: enabled mb window (us) -0.008 0.008
ph/frq (deg)	0.0 0.3	Inc. seg. avg.	34.059	Data rate(MSamp/s):	128 MBpts 8 Amb 0.016 us	dr window (ns/s) -0.023 0.023
amp/frq (%)	1.4 0.5	Inc. frq. avg.	15.631	Data rate(Mb/s):	512	nlags: 256 t_cohere infinite ion window (TEC) 0.00 0.00
a: az 311.3 el 56.2 pa 139.2		W: az 313.0 el 55.9 pa 140.9		u,v (fr/asec) 43.909 65.531		simultaneous interpolator
Control file: cf_1234 Input file: /Exps/c241d/v2/7mm/1234/No1356/aW..3N7A0J Output file: /Exps/c241d/v2/7mm/1234/No1356/aW.Q.18.3N7A0J						



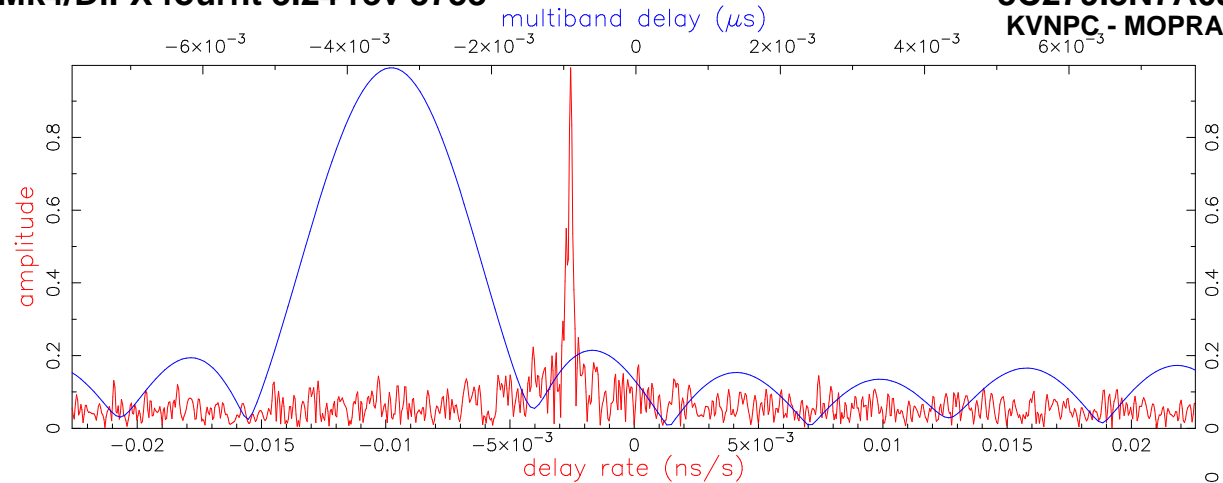
Fringe quality 3
Error code G
SNR 180.0
Int time 179.973
Amp 9.815
Phase -176.9
PFD 0.0e+00
Delays (us)
SBD -0.001965
MBD 0.003003
Fringe rate (Hz)
0.000848
Ion TEC 0.000
Ref freq (MHz)
43168.0000
AP (sec) 0.512
Exp. c241d
Exper # 1234
Yr:day 2024:114
Start 143001.00
Stop 143301.22
FRT 143131.00
Corr/FF/build
2025:049:064418
2025:051:103500
2023:348:201250
RA & Dec (J2000)
12h56m11.166579s
-5°47'21.525152"



Amp. and Phase vs. time for each freq., 71 segs, 5 APs / seg (2.56 sec / seg.), time ticks 5 sec

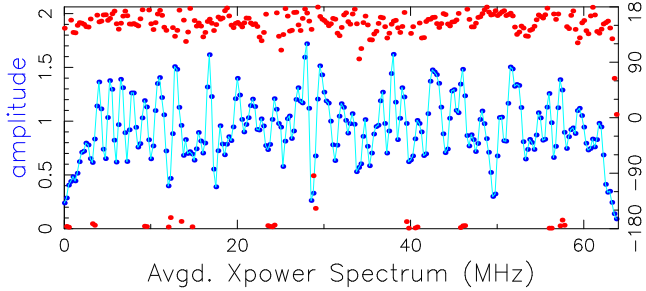
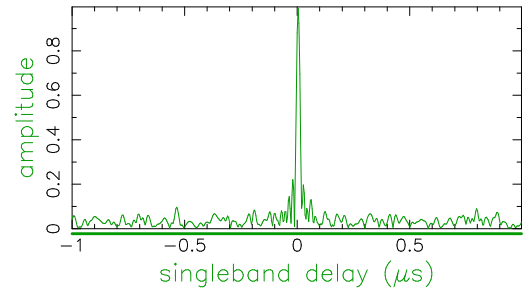


42912.00	42976.00	Freq (MHz)	All				
-176.8	180.0	Phase	-176.9				
18.5	0.6	Ampl.	9.6				
256.3	242.3	Sbd box	256.5				
U/L 352/0	352/0	APs used					
a 0	0	PC freqs					
W 0	0	PC freqs					
a:W 0:0	0:0	PC phase					
a:W 0:0	0:0	ManI PC					
a 1000	1000	PC amp					
W 1000	1000						
a Q00UR	Q01UR	Chan ids					
W Q00UL	Q01UL	Tracks					
		Chan ids					
		Tracks					
Group delay (usec) (SBD)	2.20757861902E+01	Apriori delay (usec)	2.20727835652E+01	Resid mbdelay (usec)	3.00262E-03	+/-	2.8E-05
Sband delay (usec)	2.20708185652E+01	Apriori clock (usec)	-4.5529686E+01	Resid sbdelay (usec)	-1.96500E-03	+/-	4.8E-05
Phase delay (usec)	2.20727721834E+01	Apriori clockrate (us/s)	4.7520001E-07	Resid phdelay (usec)	-1.13819E-05	+/-	4.1E-08
Delay rate (us/s)	-1.52522665601E-02	Apriori rate (us/s)	-1.52522861935E-02	Resid rate (us/s)	1.96334E-08	+/-	3.9E-10
Total phase (deg)	154.7	Apriori accel (us/s/s)	-5.26527934782E-07	Resid phase (deg)	-176.9	+/-	0.6
RMS	Theor.	Amplitude	9.815 +/- 0.055	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5
ph/seg (deg)	66.9	Search (1024X8)	9.283	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000
amp/seg (%)	116.2	Interp.	0.000	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us) -0.008 0.008
ph/frq (deg)	0.0	Inc. seg. avg.	20.888	Data rate(MSamp/s):	128 MBpts 8 Amb 0.016 us	dr window (ns/s)	-0.023 0.023
amp/frq (%)	91.2	Inc. frq. avg.	9.589	Data rate(Mb/s):	512	nlags: 256 t_cohere infinite	ion window (TEC) 0.00 0.00
a: az 311.3 el 56.2 pa 139.2	W: az 313.0 el 55.9 pa 140.9	u, v (fr/asec)	43.909 65.531				simultaneous interpolator
Control file: cf_1234	Input file: /Exps/c241d/v2/7mm/1234/No1356/aW...3N7A0J	Output file:	/Exps/c241d/v2/7mm/1234/No1356/aW.Q.20.3N7A0J				



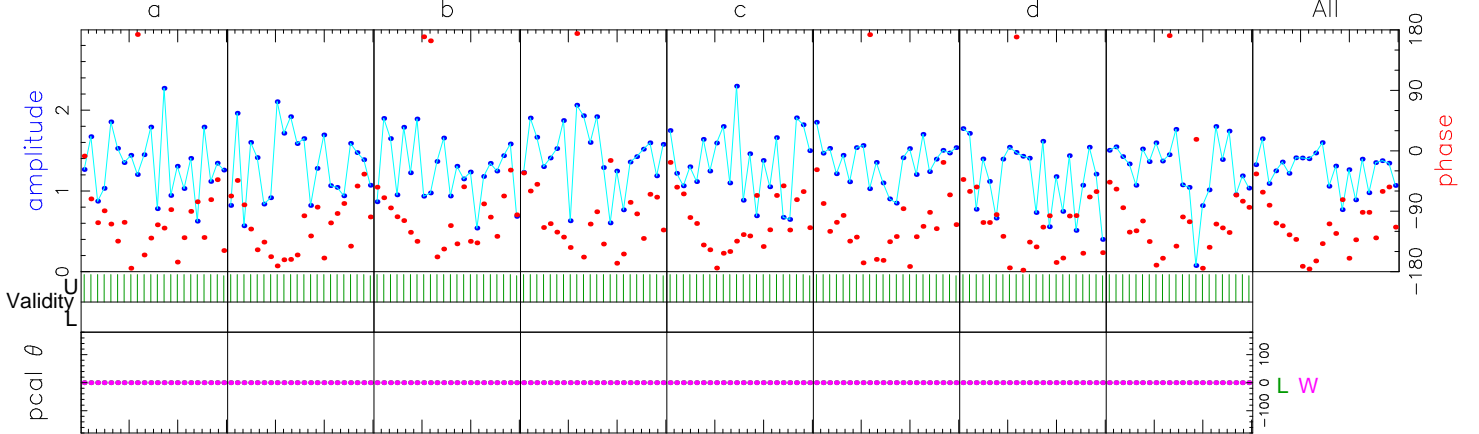
Fringe quality 8

SNR 36.4
Int time 179.847
Amp 0.998
Phase -112.5
PFD 0.0e+00
Delays (us)
SBD 0.004361
MBD -0.003386
Fringe rate (Hz)
-0.111079
Ion TEC 0.000
Ref freq (MHz)
43168.0000
AP (sec) 0.512



Exp. c241d
Exper # 1234
Yr:day 2024:114
Start 143001.00
Stop 143301.22
FRT 143131.00
Corr/FF/build
2025:049:064418
2025:051:103447
2023:348:201250
RA & Dec (J2000)
12h56m11.166579s
-5°47'21.525152"

Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



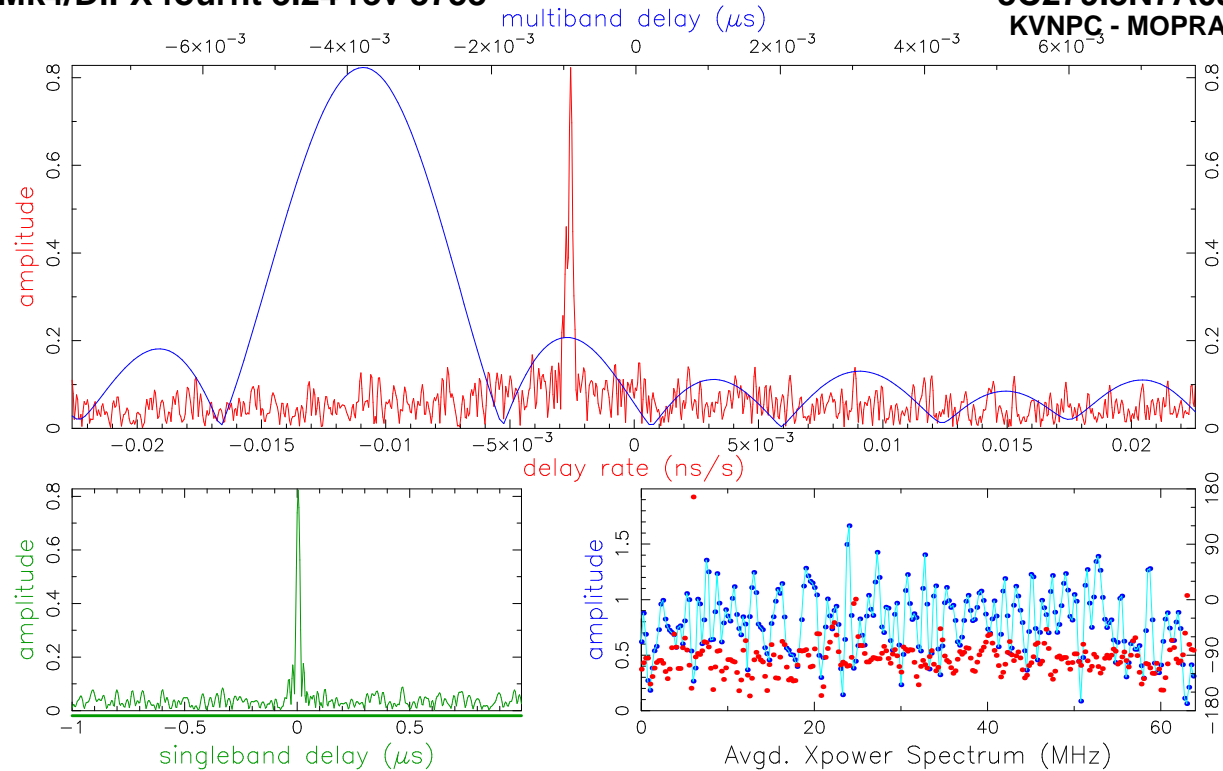
	42912.00	42976.00	43040.00	43104.00	43168.00	43232.00	43296.00	43360.00	Freq (MHz)	All
	-114.5	-118.2	-107.7	-108.2	-107.7	-113.9	-115.7	-115.3	Phase	-112.5
	1.0	1.0	1.0	1.1	1.0	1.0	0.8	1.0	Ampl.	1.0
	258.1	258.1	258.2	258.0	258.0	258.1	258.5	258.0	Sbd box	258.1
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0	APs used	
L	0	24000	0	0	32000	0	0	24000	PC freqs	
W	0	0	0	0	0	0	0	0	PC freqs	
L:W	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
L:W	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
L	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
W	1000	1000	1000	1000	1000	1000	1000	1000		
L	Q00UR	Q01UR	Q02UR	Q03UR	Q04UR	Q05UR	Q06UR	Q07UR	Chan ids	
W	Q00UL	Q01UL	Q02UL	Q03UL	Q04UL	Q05UL	Q06UL	Q07UL	Tracks	

Group delay (usec) (SBD)	-2.17429161377E+03	Apriori delay (usec)	-2.17428822750E+03	Resid mbdelay (usec)	-3.38627E-03	+/-	3.0E-05
Sband delay (usec)	-2.17428386675E+03	Apriori clock (usec)	-2.7007431E+01	Resid sbdelay (usec)	4.36075E-03	+/-	2.4E-04
Phase delay (usec)	-2.17428823474E+03	Apriori clockrate (us/s)	-4.5636177E-06	Resid phdelay (usec)	-7.24218E-06	+/-	2.0E-07
Delay rate (us/s)	4.65194713020E-01	Apriori rate (us/s)	4.65197286201E-01	Resid rate (us/s)	-2.57318E-06	+/-	1.9E-09
Total phase (deg)	-186.3	Apriori accel (us/s/s)	-1.67984658839E-06	Resid phase (deg)	-112.5	+/-	3.1

ph/seg (deg)	38.6	RMS	7.4	Theor.	7.4	Amplitude	0.998 +/- 0.027	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5
amp/seg (%)	35.3	Search (1024X32)	0.953	Interp.	0.000	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000	1.000	
ph/frq (deg)	4.5	Inc. seg. avg.	1.268	Inc. frq. avg.	0.996	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.008	0.008
amp/frq (%)	6.8	Inc. frq. avg.	0.996	Data rate (MSamp/s):	128 MBpts 32 Amb 0.016 us	Data rate (Mb/s):	2048	nlags: 256 t_cohere infinite	dr window (ns/s)	-0.023	0.023
									ion window (TEC)	0.00	0.00

L: az 185.4 el 46.4 pa 4.6 W: az 313.0 el 55.9 pa 140.9 u,v (fr/asec) -1340.030 4976.179 simultaneous interpolator

Control file: cf_1234 Input file: /Exps/c241d/v2/7mm/1234/No1356/LW..3N7A0J Output file: /Exps/c241d/v2/7mm/1234/No1356/LW.Q.11.3N7A0J

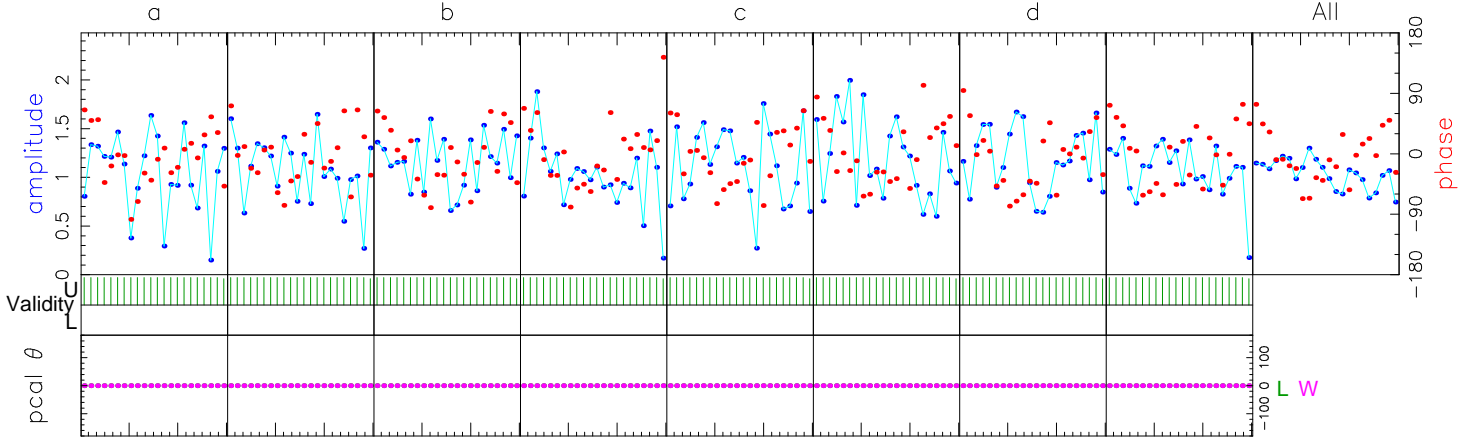


Fringe quality 8

SNR 30.2
Int time 179.847
Amp 0.828
Phase -4.7
PFD 0.0e+00
Delays (us)
SBD 0.004165
MBD -0.003780
Fringe rate (Hz)
-0.110967
Ion TEC 0.000
Ref freq (MHz)
43168.0000
AP (sec) 0.512

Exp. c241d
Exper # 1234
Yr:day 2024:114
Start 143001.00
Stop 143301.22
FRT 143131.00
Corr/FF/build
2025:049:064418
2025:051:103443
2023:348:201250
RA & Dec (J2000)
12h56m11.166579s
-5°47'21.525152"

Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec

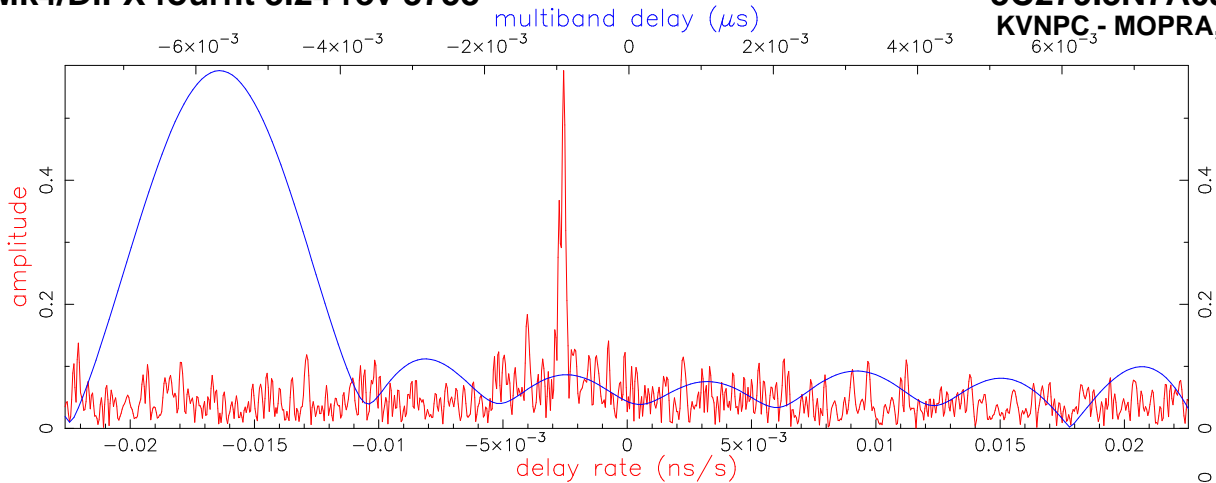


	42912.00	42976.00	43040.00	43104.00	43168.00	43232.00	43296.00	43360.00	Freq (MHz)	All
	-4.7	-4.3	-4.5	-0.6	-9.1	-3.4	-9.3	-0.9	Phase	-4.7
	0.9	0.8	0.8	0.8	0.8	0.9	0.8	0.8	Ampl.	0.8
	257.5	258.2	258.1	258.0	258.2	257.8	258.4	258.3	Sbd box	258.1
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0	APs used	
L	0	24000	0	0	32000	0	0	24000	PC freqs	
W	0	0	0	0	0	0	0	0	PC freqs	
L:W	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
L:W	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
L	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
W	1000	1000	1000	1000	1000	1000	1000	1000		
L	Q00UL	Q01UL	Q02UL	Q03UL	Q04UL	Q05UL	Q06UL	Q07UL	Chan ids	
W	Q00UL	Q01UL	Q02UL	Q03UL	Q04UL	Q05UL	Q06UL	Q07UL	Tracks	

Group delay (usec) (SBD) -2.17427638221E+03 Apriori delay (usec) -2.17428822750E+03 Resid mbdelay (usec) -3.77970E-03 +/- 3.6E-05
 Sband delay (usec) -2.17428406250E+03 Apriori clock (usec) -2.7007431E+01 Resid sbdelay (usec) 4.16500E-03 +/- 2.9E-04
 Phase delay (usec) -2.17428822780E+03 Apriori clockrate (us/s) -4.5636177E-06 Resid phdelay (usec) -3.00210E-07 +/- 2.4E-07
 Delay rate (us/s) 4.65194715621E-01 Apriori rate (us/s) 4.65197286201E-01 Resid rate (us/s) -2.57058E-06 +/- 2.3E-09
 Total phase (deg) -78.4 Apriori accel (us/s/s) -1.67984658839E-06 Resid phase (deg) -4.7 +/- 3.8

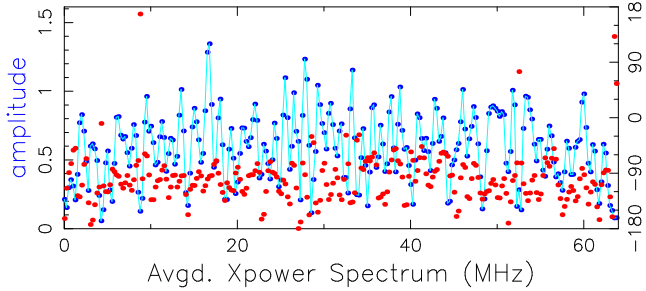
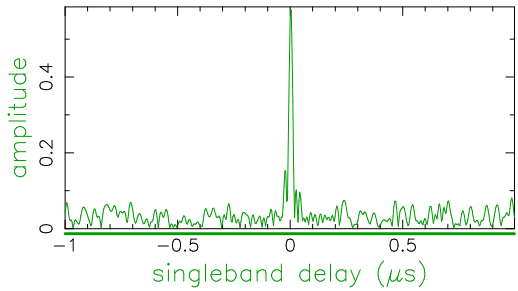
RMS Theor. Amplitude 0.828 +/- 0.027 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 ph/seg (deg) 37.5 8.9 Search (1024X32) 0.806 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 amp/seg (%) 31.7 15.5 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 ph/frq (deg) 3.5 5.4 Inc. seg. avg. 1.033 Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us dr window (ns/s) -0.023 0.023
 amp/frq (%) 4.2 9.4 Inc. frq. avg. 0.825 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite ion window (TEC) 0.00 0.00

L: az 185.4 el 46.4 pa 4.6 W: az 313.0 el 55.9 pa 140.9 u,v (fr/asec) -1340.030 4976.179 simultaneous interpolator
 Control file: cf_1234 Input file: /Exps/c241d/v2/7mm/1234/No1356/LW..3N7A0J Output file: /Exps/c241d/v2/7mm/1234/No1356/LW.Q.5.3N7A0J



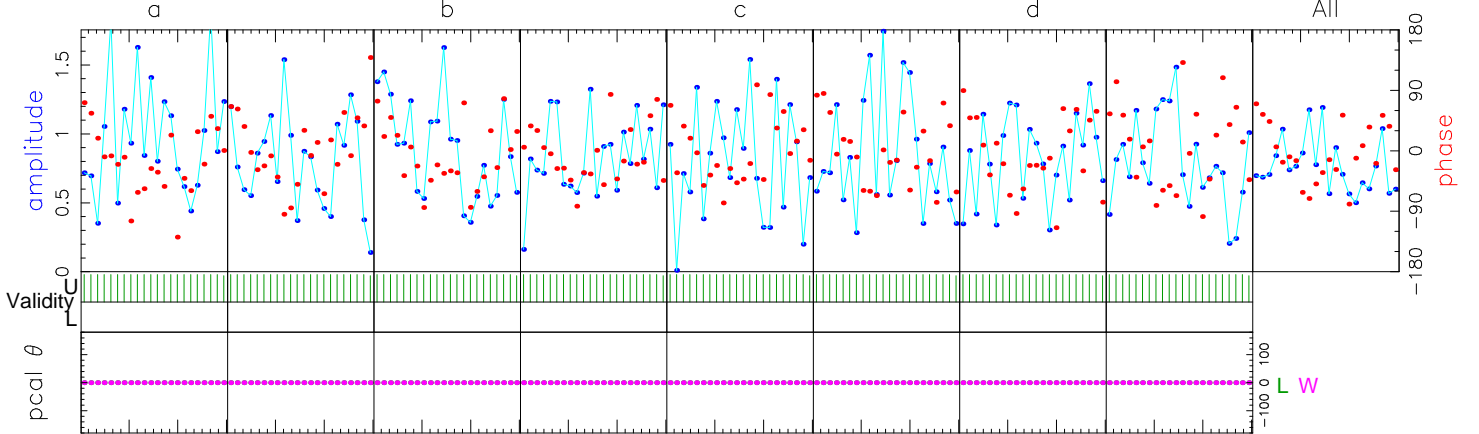
Fringe quality 9

SNR 21.3
Int time 179.847
Amp 0.585
Phase -6.7
PFD 0.0e+00
Delays (us)
SBD 0.002669
MBD -0.005675
Fringe rate (Hz)
-0.110867
Ion TEC 0.000
Ref freq (MHz)
43168.0000
AP (sec) 0.512



Exp. c241d
Exper # 1234
Yr:day 2024:114
Start 143001.00
Stop 143301.22
FRT 143131.00
Corr/FF/build
2025:049:064418
2025:051:103445
2023:348:201250
RA & Dec (J2000)
12h56m11.166579s
--5°47'21.525152"

Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



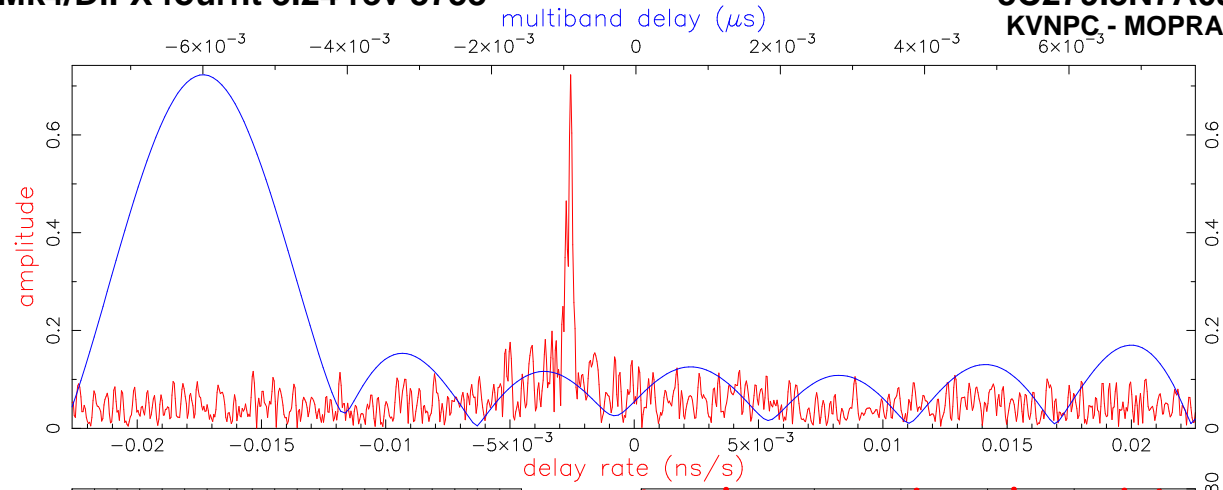
	42912.00	42976.00	43040.00	43104.00	43168.00	43232.00	43296.00	43360.00	Freq (MHz)	All
	-13.2	-2.4	-1.8	-8.8	-4.6	-5.5	-4.9	-12.9	Phase	-6.7
	0.7	0.5	0.7	0.7	0.6	0.6	0.5	0.4	Ampl.	0.6
	257.7	258.1	257.5	257.7	257.6	257.8	257.5	257.7	Sbd box	257.7
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0	APs used	
L	0	24000	0	0	32000	0	0	24000	PC freqs	
W	0	0	0	0	0	0	0	0	PC freqs	
L:W	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
L:W	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
L	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
W	1000	1000	1000	1000	1000	1000	1000	1000		
L	Q00UR	Q01UR	Q02UR	Q03UR	Q04UR	Q05UR	Q06UR	Q07UR	Chan ids	
W	Q00UR	Q01UR	Q02UR	Q03UR	Q04UR	Q05UR	Q06UR	Q07UR	Tracks	

Group delay (usec) (SBD)	-2.17427827758E+03	Apriori delay (usec)	-2.17428822750E+03	Resid mbdelay (usec)	-5.67508E-03	+/-	5.1E-05
Sband delay (usec)	-2.17428555875E+03	Apriori clock (usec)	-2.7007431E+01	Resid sbdelay (usec)	2.66875E-03	+/-	4.0E-04
Phase delay (usec)	-2.17428822793E+03	Apriori clockrate (us/s)	-4.5636177E-06	Resid phdelay (usec)	-4.33533E-07	+/-	3.5E-07
Delay rate (us/s)	4.65194717935E-01	Apriori rate (us/s)	4.65197286201E-01	Resid rate (us/s)	-2.56827E-06	+/-	3.3E-09
Total phase (deg)	-80.4	Apriori accel (us/s/s)	-1.67984658839E-06	Resid phase (deg)	-6.7	+/-	5.4

ph/seg (deg)	42.3	RMS	12.6	Theor.	12.6	Amplitude	0.585 +/- 0.027	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5
amp/seg (%)	46.1	Search (1024X32)	0.569	Interp.	0.000	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000	1.000	
ph/frq (deg)	4.8	Inc. seg. avg.	0.756	Inc. frq. avg.	0.576	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.008	0.008
amp/frq (%)	15.3	Inc. frq. avg.	0.576	Data rate (MSamp/s):	128 MBpts 32 Amb 0.016 us	Data rate (Mb/s):	2048	nlags: 256 t_cohere infinite	dr window (ns/s)	-0.023	0.023
									ion window (TEC)	0.00	0.00

L: az 185.4 el 46.4 pa 4.6 W: az 313.0 el 55.9 pa 140.9 u,v (fr/asec) -1340.030 4976.179 simultaneous interpolator

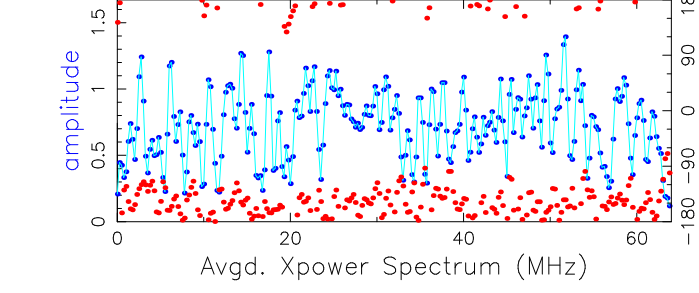
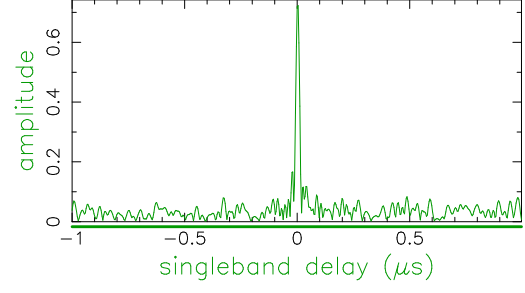
Control file: cf_1234 Input file: /Exps/c241d/v2/7mm/1234/No1356/LW..3N7A0J Output file: /Exps/c241d/v2/7mm/1234/No1356/LW.Q.8.3N7A0J



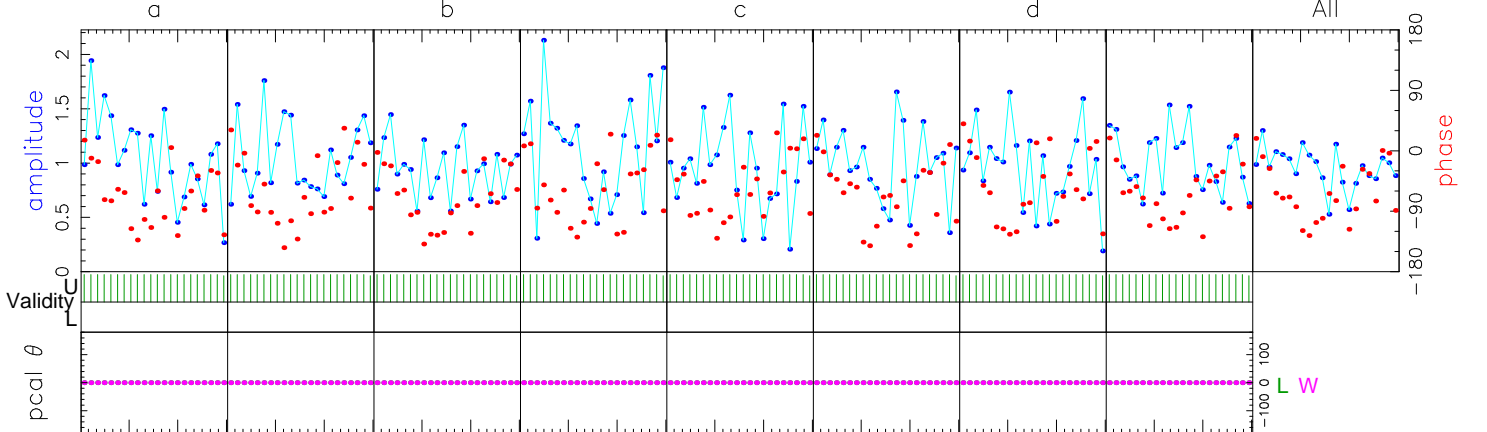
Fringe quality 8

SNR 27.1
Int time 179.847
Amp 0.742
Phase -60.6
PFD 0.0e+00
Delays (us)
SBD 0.002061
MBD -0.006014
Fringe rate (Hz)
-0.110952
Ion TEC 0.000
Ref freq (MHz)
43168.0000
AP (sec) 0.512

Exp. c241d
Exper # 1234
Yr:day 2024:114
Start 143001.00
Stop 143301.22
FRT 143131.00
Corr/FF/build
2025:049:064418
2025:051:103446
2023:348:201250
RA & Dec (J2000)
12h56m11.166579s
-5°47'21.525152"



Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



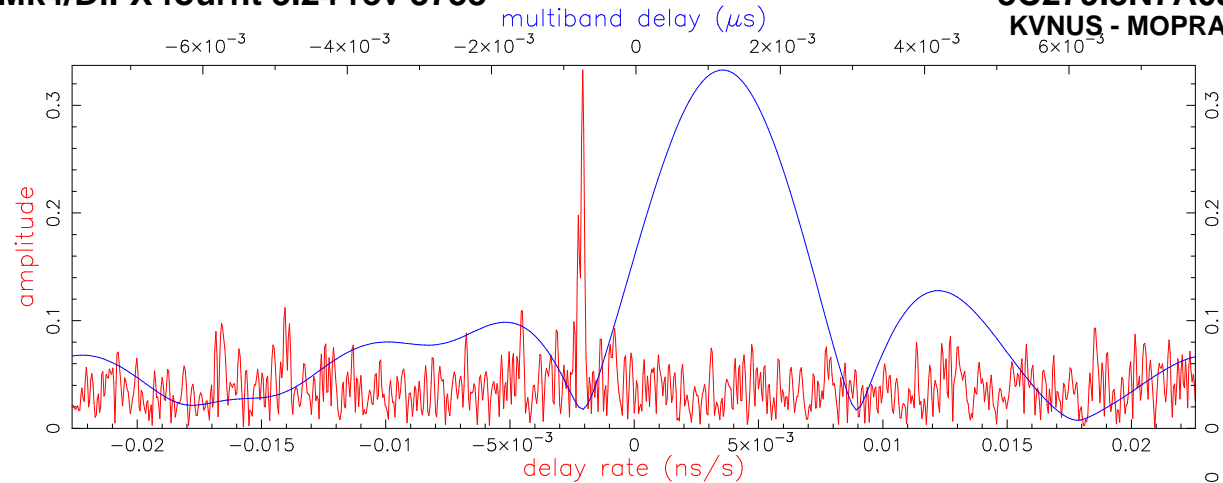
	42912.00	42976.00	43040.00	43104.00	43168.00	43232.00	43296.00	43360.00	Freq (MHz)	All
	-63.6	-61.8	-65.7	-55.4	-56.8	-60.4	-57.1	-63.8	Phase	-60.6
	0.8	0.7	0.7	0.8	0.7	0.7	0.6	0.8	Ampl.	0.7
	257.4	257.6	257.5	257.7	257.4	257.8	257.2	257.5	Sbd box	257.5
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0	APs used	
L	0	24000	0	0	32000	0	0	24000	PC freqs	
W	0	0	0	0	0	0	0	0	PC freqs	
L:W	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
L:W	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
L	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
W	1000	1000	1000	1000	1000	1000	1000	1000		
L	Q00UL	Q01UL	Q02UL	Q03UL	Q04UL	Q05UL	Q06UL	Q07UL	Chan ids	
W	Q00UR	Q01UR	Q02UR	Q03UR	Q04UR	Q05UR	Q06UR	Q07UR	Tracks	

Group delay (usec) (SBD)	-2.17427861671E+03	Apriori delay (usec)	-2.17428822750E+03	Resid mbdelay (usec)	-6.01421E-03	+/-	4.0E-05
Sband delay (usec)	-2.17428616600E+03	Apriori clock (usec)	-2.7007431E+01	Resid sbdelay (usec)	2.06150E-03	+/-	3.2E-04
Phase delay (usec)	-2.17428823140E+03	Apriori clockrate (us/s)	-4.5636177E-06	Resid phdelay (usec)	-3.90256E-06	+/-	2.7E-07
Delay rate (us/s)	4.65194715975E-01	Apriori rate (us/s)	4.65197286201E-01	Resid rate (us/s)	-2.57023E-06	+/-	2.6E-09
Total phase (deg)		Apriori accel (us/s/s)	-1.67984658839E-06	Resid phase (deg)	-60.6	+/-	4.2

ph/seg (deg)	41.2	Theor.	9.9	Amplitude	0.742 +/- 0.027	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5	
amp/seg (%)	38.3	Search (1024X32)	0.711	Search	0.000	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000	
ph/frq (deg)	4.1	Inc. seg. avg.	0.949	Inc. seg. avg.	0.949	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.008 0.008
amp/frq (%)	6.6	Inc. frq. avg.	0.724	Inc. frq. avg.	0.724	Data rate(MSamp/s):	128 MBpts 32 Amb 0.016 us	dr window (ns/s)	-0.023 0.023	
						Data rate(Mb/s):	2048	nlags: 256 t_cohere infinite	ion window (TEC)	0.00 0.00

L: az 185.4 el 46.4 pa 4.6 W: az 313.0 el 55.9 pa 140.9 u,v (fr/asec) -1340.030 4976.179 simultaneous interpolator

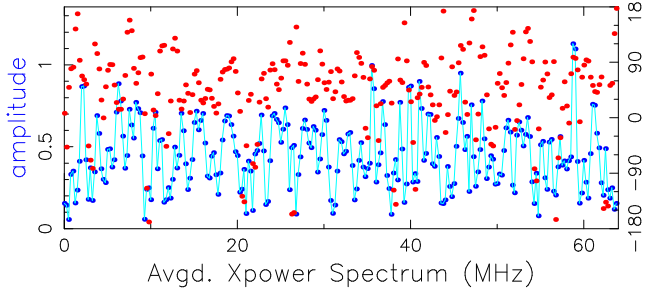
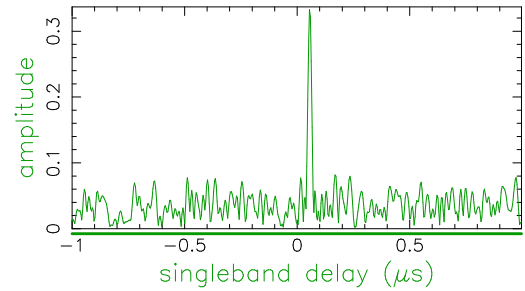
Control file: cf_1234 Input file: /Exps/c241d/v2/7mm/1234/No1356/LW..3N7A0J Output file: /Exps/c241d/v2/7mm/1234/No1356/LW.Q.9.3N7A0J



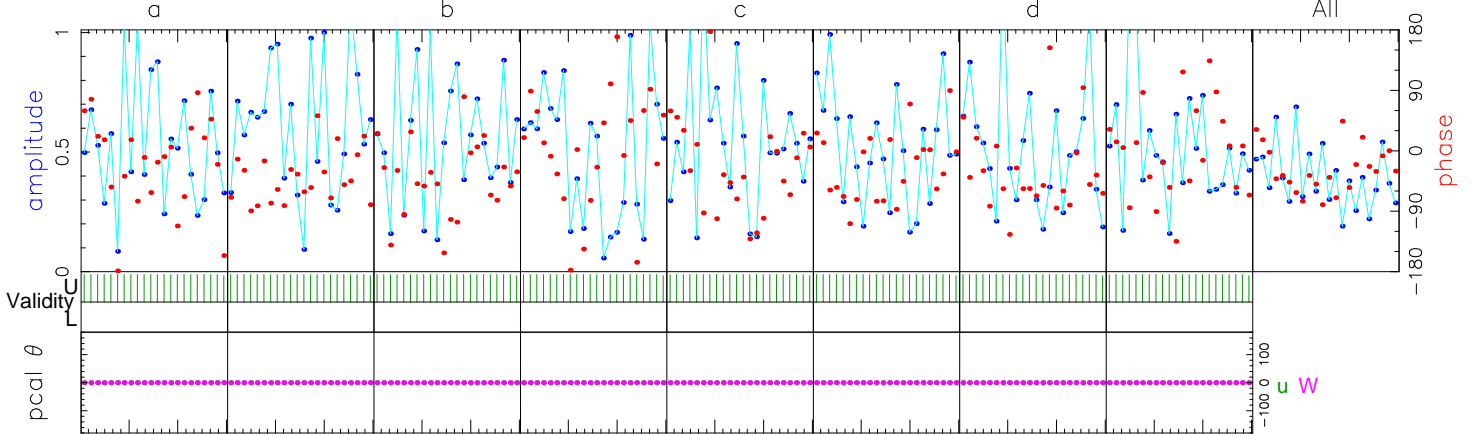
Fringe quality 9

SNR 12.3
Int time 179.836
Amp 0.337
Phase -30.4
PFD 1.9e-26
Delays (us)
SBD 0.055919
MBD 0.001204
Fringe rate (Hz)
-0.090591
Ion TEC 0.000
Ref freq (MHz)
43168.0000
AP (sec) 0.512

Exp. c241d
Exper # 1234
Yr:day 2024:114
Start 143001.00
Stop 143301.22
FRT 143131.00
Corr/FF/build
2025:049:064418
2025:051:103459
2023:348:201250
RA & Dec (J2000)
12h56m11.166579s
--5°47'21.525152"



Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



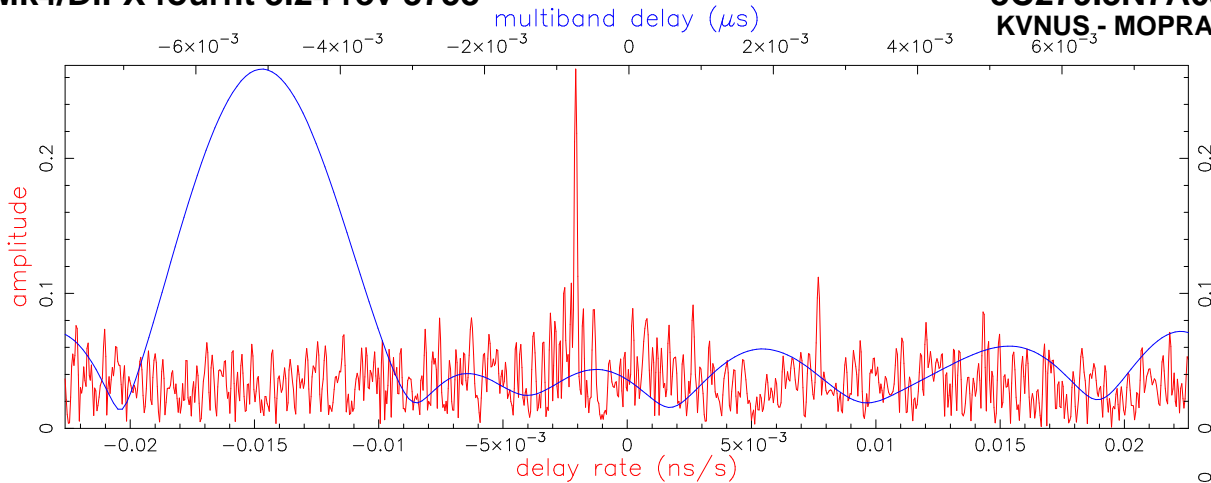
	42912.00	42976.00	43040.00	43104.00	43168.00	43232.00	43296.00	43360.00	Freq (MHz)	All
	-16.6	-42.8	-36.1	15.1	-44.9	-34.7	-44.2	-12.7	Phase	-30.4
	0.3	0.5	0.4	0.3	0.3	0.4	0.4	0.3	Ampl.	0.3
	270.8	271.6	270.8	271.8	270.8	271.8	271.0	272.4	Sbd box	271.3
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0	APs used	
u	0	24000	0	0	32000	0	0	24000	PC freqs	
W	0	0	0	0	0	0	0	0	PC freqs	
u:W	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
u:W	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
u	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
W	1000	1000	1000	1000	1000	1000	1000	1000		
u	Q00UL	Q01UL	Q02UL	Q03UL	Q04UL	Q05UL	Q06UL	Q07UL	Chan ids	
W	Q00UL	Q01UL	Q02UL	Q03UL	Q04UL	Q05UL	Q06UL	Q07UL	Tracks	

Group delay (usec) (SBD)	-1.66847144771E+03	Apriori delay (usec)	-1.66853515156E+03	Resid mbdelay (usec)	1.20385E-03	+/-	8.8E-05
Sband delay (usec)	-1.66847923206E+03	Apriori clock (usec)	2.9662323E+00	Resid sbdelay (usec)	5.59195E-02	+/-	7.0E-04
Phase delay (usec)	-1.66853515352E+03	Apriori clockrate (us/s)	2.8313198E-06	Resid phdelay (usec)	-1.95423E-06	+/-	6.0E-07
Delay rate (us/s)	4.45420779250E-01	Apriori rate (us/s)	4.45422877820E-01	Resid rate (us/s)	-2.09857E-06	+/-	5.8E-09
Total phase (deg)	-182.5	Apriori accel (us/s/s)	-3.88502222118E-06	Resid phase (deg)	-30.4	+/-	9.3

ph/seg (deg)	33.8	Theor.	21.8	Amplitude	0.337 +/- 0.027	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-1.000	1.000
amp/seg (%)	41.7		38.1	Search (1024X32)	0.316	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		mb window (us)	-0.008	0.008
ph/frq (deg)	23.0		13.2	Inc. seg. avg.	0.371	Bits/sample: 2x2	SampCntNorm: enabled	dr window (ns/s)	-0.023	0.023
amp/frq (%)	22.6		23.0	Inc. frq. avg.	0.342	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			

u: az 186.8 el 48.3 pa 5.8 W: az 313.0 el 55.9 pa 140.9 u,v (fr/asec) -1283.588 4861.959 simultaneous interpolator

Control file: cf_1234 Input file: /Exps/c241d/v2/7mm/1234/No1356/uW..3N7A0J Output file: /Exps/c241d/v2/7mm/1234/No1356/uW.Q.16.3N7A0J



Fringe quality 9

SNR 9.8

Int time 179.836

Ampl 0.269

Phase 49.8

PFD 1.8e-14

Delays (us)

SBD 0.049746

MBD -0.005104

Fringe rate (Hz)

-0.090515

Ion TEC 0.000

Ref freq (MHz)

43168.0000

AP (sec) 0.512

Exp. c241d

Exper # 1234

Yr:day 2024:114

Start 143001.00

Stop 143301.22

FRT 143131.00

Corr/FF/build

2025:049:064418

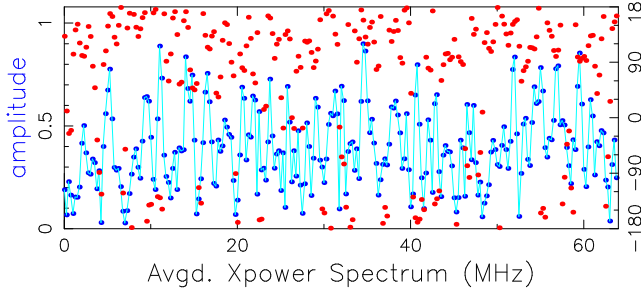
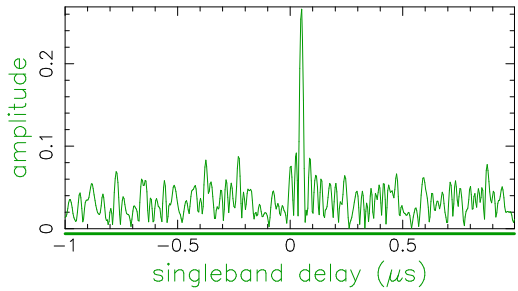
2025:051:103501

2023:348:201250

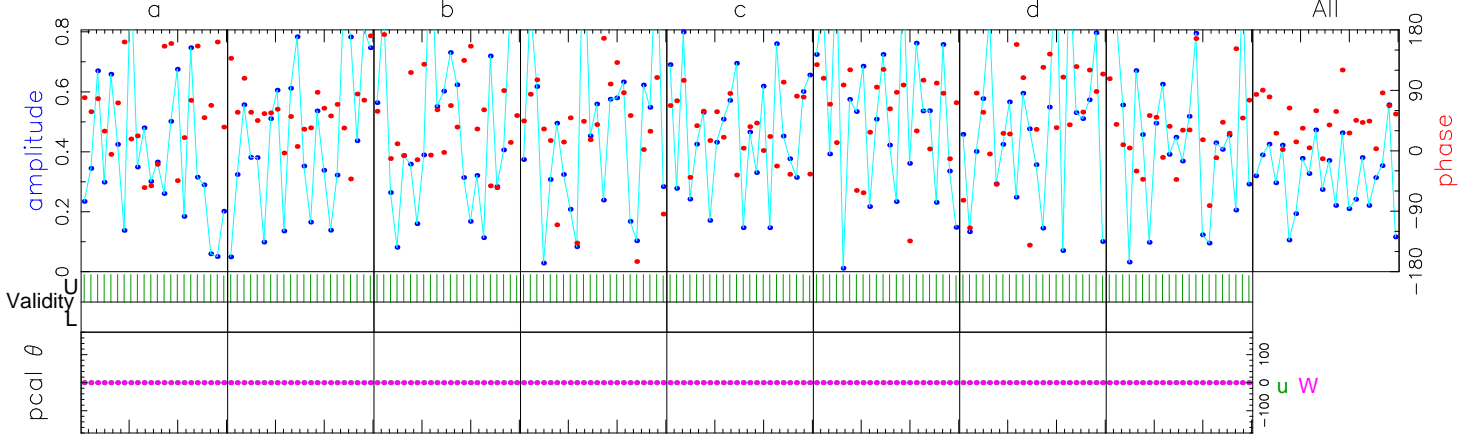
RA & Dec (J2000)

12h56m11.166579s

--5°47'21.525152"



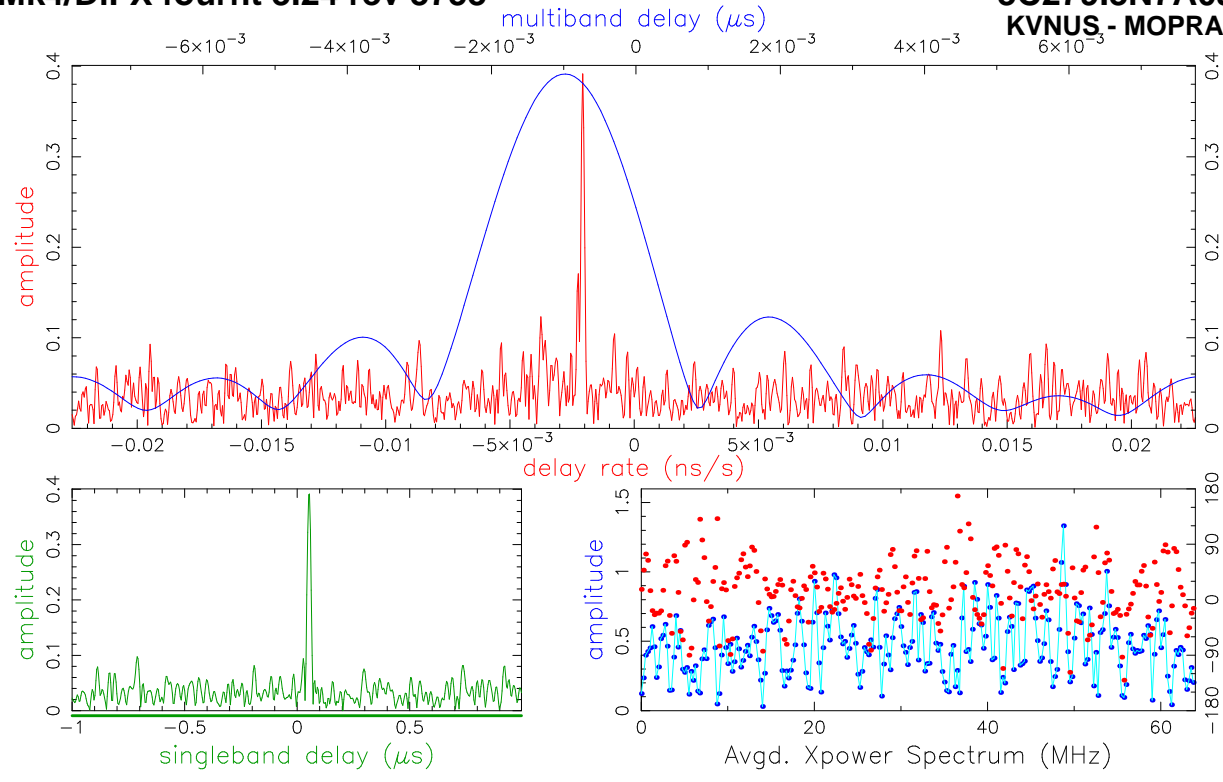
Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



	42912.00	42976.00	43040.00	43104.00	43168.00	43232.00	43296.00	43360.00	Freq (MHz)	All
	35.2	55.2	36.8	66.3	36.0	73.3	61.7	30.1	Phase	49.8
	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	Ampl.	0.3
	239.1	269.6	196.4	348.7	269.7	269.6	354.3	270.3	Sbd box	269.7
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0	APs used	
u	0	24000	0	0	32000	0	0	24000	PC freqs	
W	0	0	0	0	0	0	0	0	PC freqs	
u:W	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
u:W	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
u	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
W	1000	1000	1000	1000	1000	1000	1000	1000		
u	Q00UR	Q01UR	Q02UR	Q03UR	Q04UR	Q05UR	Q06UR	Q07UR	Chan ids	
W	Q00UR	Q01UR	Q02UR	Q03UR	Q04UR	Q05UR	Q06UR	Q07UR	Tracks	
									Tracks	

Group delay (usec) (SBD)	-1.66847775527E+03	Apriori delay (usec)	-1.66853515156E+03	Resid mbdelay (usec)	-5.10371E-03	+/-	1.1E-04
Sband delay (usec)	-1.66848540606E+03	Apriori clock (usec)	2.9662323E+00	Resid sbdelay (usec)	4.97455E-02	+/-	8.8E-04
Phase delay (usec)	-1.66853514836E+03	Apriori clockrate (us/s)	2.8313198E-06	Resid phdelay (usec)	3.20463E-06	+/-	7.5E-07
Delay rate (us/s)	4.45420781015E-01	Apriori rate (us/s)	4.45422877820E-01	Resid rate (us/s)	-2.09681E-06	+/-	7.2E-09
Total phase (deg)	-102.3	Apriori accel (us/s/s)	-3.88502222118E-06	Resid phase (deg)	49.8	+/-	11.7

ph/seg (deg)	33.0	Theor.	27.3	Amplitude	0.269 +/- 0.027	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5
amp/seg (%)	46.5	Search (1024X32)	0.254	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000	1.000	
ph/frq (deg)	18.0	Inc. seg. avg.	0.289	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.008	0.008
amp/frq (%)	13.8	Inc. frq. avg.	0.266	Data rate (MSamp/s):	128 MBpts 32 Amb 0.016 us	dr window (ns/s)	-0.023	0.023	
u: az 186.8 el 48.3 pa 5.8		W: az 313.0 el 55.9 pa 140.9		Data rate (Mb/s):	2048	nlags: 256 t_cohere infinite	ion window (TEC)	0.00	0.00
Control file: cf_1234		Input file: /Exps/c241d/v2/7mm/1234/No1356/uW...3N7A0J		u, v (fr/asec)	-1283.588 4861.959		simultaneous interpolator		
		Output file: /Exps/c241d/v2/7mm/1234/No1356/uW.Q.23.3N7A0J							

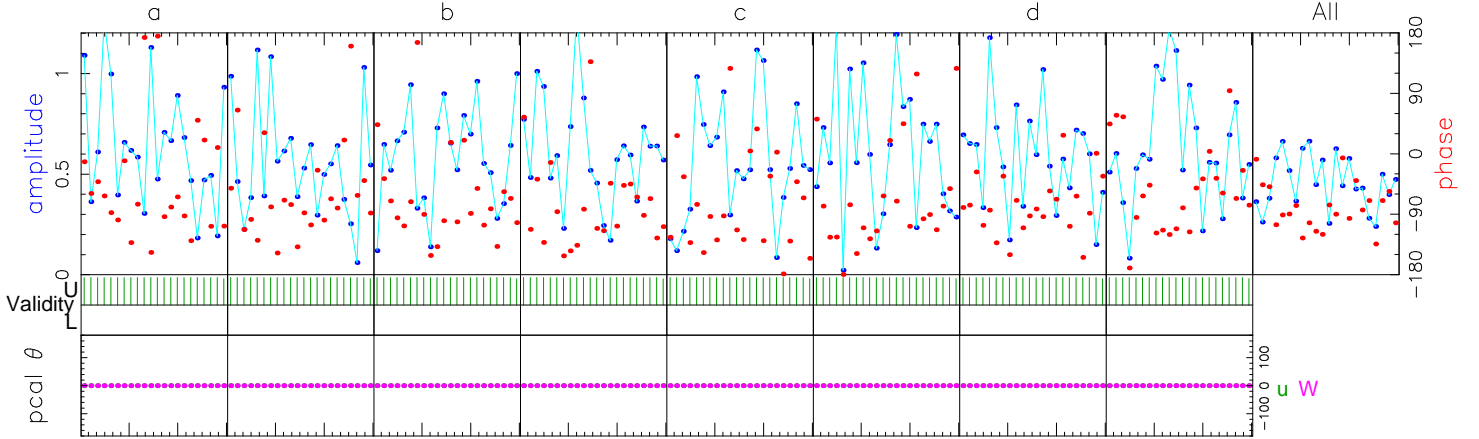


Fringe quality 9

SNR 14.6
Int time 179.836
Amp 0.401
Phase -84.9
PFD 4.2e-40
Delays (us)
SBD 0.052814
MBD -0.000981
Fringe rate (Hz)
-0.090288
Ion TEC 0.000
Ref freq (MHz)
43168.0000
AP (sec) 0.512

Exp. c241d
Exper # 1234
Yr:day 2024:114
Start 143001.00
Stop 143301.22
FRT 143131.00
Corr/FF/build
2025:049:064418
2025:051:103503
2023:348:201250
RA & Dec (J2000)
12h56m11.166579s
-5°47'21.525152"

Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec

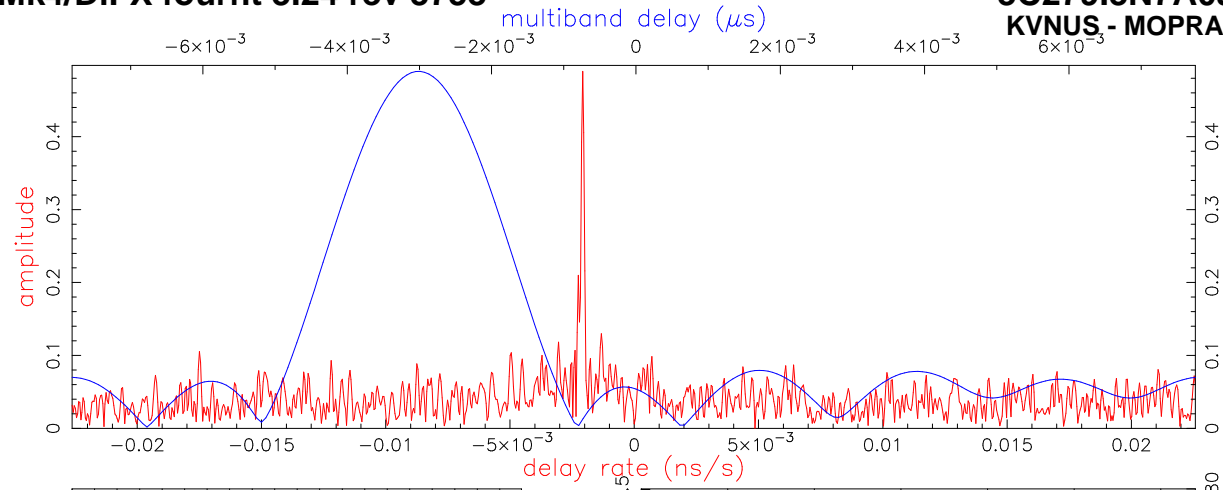


	42912.00	42976.00	43040.00	43104.00	43168.00	43232.00	43296.00	43360.00	Freq (MHz)	All
	-81.4	-80.2	-80.8	-94.4	-95.5	-93.5	-79.7	-76.9	Phase	-84.9
	0.4	0.4	0.4	0.4	0.3	0.4	0.5	0.4	Ampl.	0.4
	270.6	270.3	270.5	271.0	270.8	270.2	270.8	270.1	Sbd box	270.5
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0	APs used	
u	0	24000	0	0	32000	0	0	24000	PC freqs	
W	0	0	0	0	0	0	0	0	PC freqs	
u:W	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
u:W	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
u	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
W	1000	1000	1000	1000	1000	1000	1000	1000		
u	Q00UL	Q01UL	Q02UL	Q03UL	Q04UL	Q05UL	Q06UL	Q07UL	Chan ids	
W	Q00UR	Q01UR	Q02UR	Q03UR	Q04UR	Q05UR	Q06UR	Q07UR	Tracks	

Group delay (usec) (SBD)	-1.66848925759E+03	Apriori delay (usec)	-1.66853515156E+03	Resid mbdelay (usec)	-9.81024E-04	+/-	7.4E-05
Sband delay (usec)	-1.66848233731E+03	Apriori clock (usec)	2.9662323E+00	Resid sbdelay (usec)	5.28142E-02	+/-	5.9E-04
Phase delay (usec)	-1.66853515702E+03	Apriori clockrate (us/s)	2.8313198E-06	Resid phdelay (usec)	-5.46064E-06	+/-	5.0E-07
Delay rate (us/s)	4.45420786280E-01	Apriori rate (us/s)	4.45422877820E-01	Resid rate (us/s)	-2.09154E-06	+/-	4.8E-09
Total phase (deg)	-237.0	Apriori accel (us/s/s)	-3.88502222118E-06	Resid phase (deg)	-84.9	+/-	7.8

	RMS	Theor.	Amplitude	0.401 +/- 0.027	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-1.000	1.000
ph/seg (deg)	34.3	18.3	Search (1024X32)	0.376	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		mb window (us)	-0.008	0.008
amp/seg (%)	36.0	32.0	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	dr window (ns/s)	-0.023	0.023
ph/frq (deg)	8.3	11.1	Inc. seg. avg.	0.438	Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us		ion window (TEC)	0.00	0.00
amp/frq (%)	12.0	19.3	Inc. frq. avg.	0.389	Data rate(Mb/s): 2048	nlags: 256 t_cohere infinite			

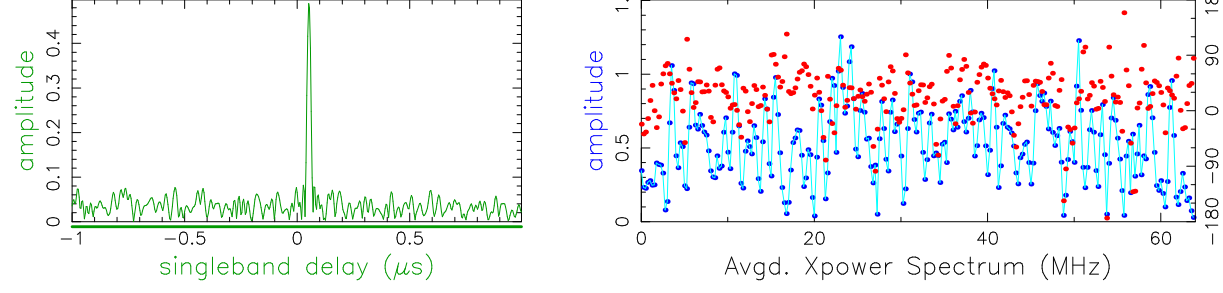
u: az 186.8 el 48.3 pa 5.8 W: az 313.0 el 55.9 pa 140.9 u,v (fr/asec) -1283.588 4861.959 simultaneous interpolator



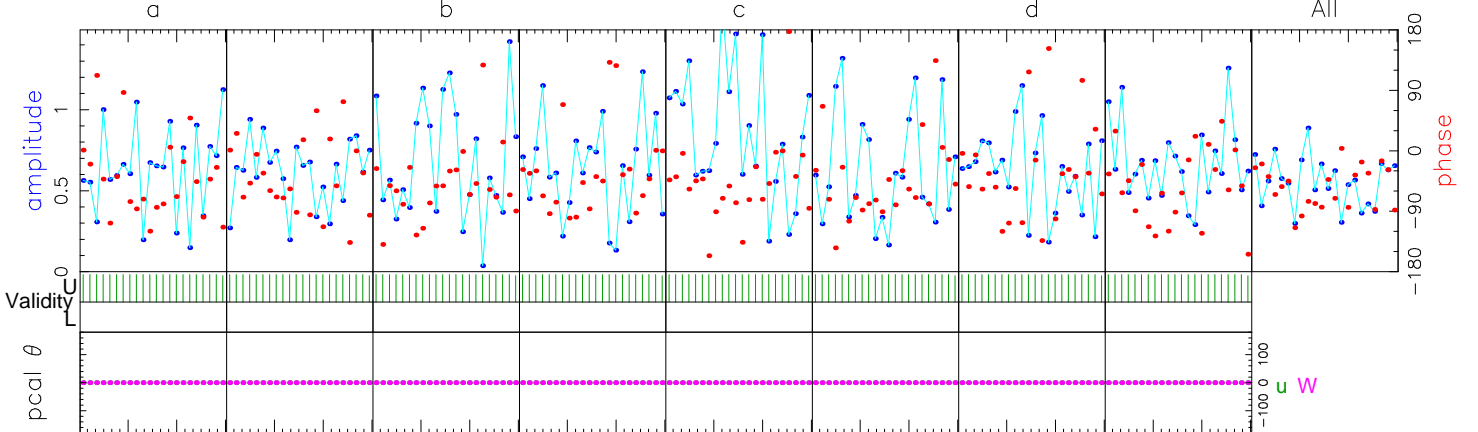
Fringe quality 9

SNR 18.2
Int time 179.836
Amp 0.498
Phase -55.7
PFD 0.0e+00
Delays (us)
SBD 0.052288
MBD -0.002991
Fringe rate (Hz) -0.090641
Ion TEC 0.000
Ref freq (MHz) 43168.0000
AP (sec) 0.512

Exp. c241d
Exper # 1234
Yr:day 2024:114
Start 143001.00
Stop 143301.22
FRT 143131.00
Corr/FF/build
2025:049:064418
2025:051:103505
2023:348:201250
RA & Dec (J2000)
12h56m11.166579s
-5°47'21.525152"



Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



	42912.00	42976.00	43040.00	43104.00	43168.00	43232.00	43296.00	43360.00	Freq (MHz)	All
	-54.4	-47.9	-61.5	-53.9	-56.2	-56.8	-56.9	-56.1	Phase	-55.7
	0.4	0.4	0.6	0.5	0.7	0.4	0.4	0.4	Ampl.	0.5
	269.8	270.9	270.5	270.7	270.0	269.9	270.4	270.9	Sbd box	270.4
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0	APs used	
u	0	24000	0	0	32000	0	0	24000	PC freqs	
W	0	0	0	0	0	0	0	0	PC freqs	
u:W	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
u:W	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
u	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
W	1000	1000	1000	1000	1000	1000	1000	1000		
u	Q00UR	Q01UR	Q02UR	Q03UR	Q04UR	Q05UR	Q06UR	Q07UR	Chan ids	
W	Q00UL	Q01UL	Q02UL	Q03UL	Q04UL	Q05UL	Q06UL	Q07UL	Tracks	

Group delay (usec) (SBD)	-1.66847564227E+03	Apriori delay (usec)	-1.66853515156E+03	Resid mbdelay (usec)	-2.99071E-03	+/-	6.0E-05
Sband delay (usec)	-1.66848286356E+03	Apriori clock (usec)	2.9662323E+00	Resid sbdelay (usec)	5.22880E-02	+/-	4.7E-04
Phase delay (usec)	-1.66853515151E+03	Apriori clockrate (us/s)	2.8313198E-06	Resid phdelay (usec)	-3.58737E-06	+/-	4.1E-07
Delay rate (us/s)	4.45420778085E-01	Apriori rate (us/s)	4.45422877820E-01	Resid rate (us/s)	-2.09973E-06	+/-	3.9E-09
Total phase (deg)	-207.9	Apriori accel (us/s/s)	-3.88502222118E-06	Resid phase (deg)	-55.7	+/-	6.3

ph/seg (deg) 31.0 14.8 Amplitude 0.498 +/- 0.027 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5

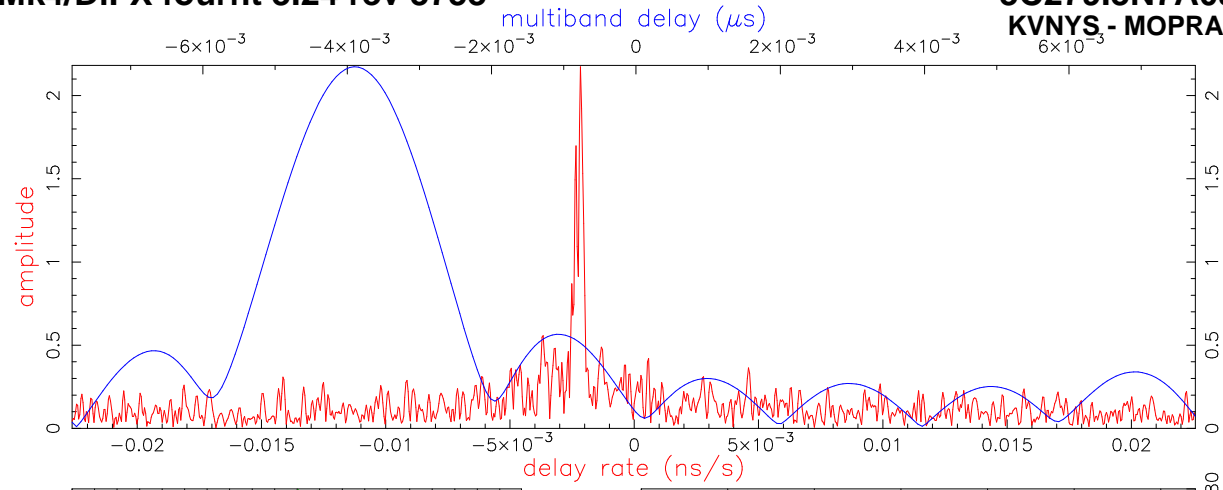
amp/seg (%) 32.4 25.8 Search (1024X32) 0.462 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000

ph/frq (deg) 4.1 8.9 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008

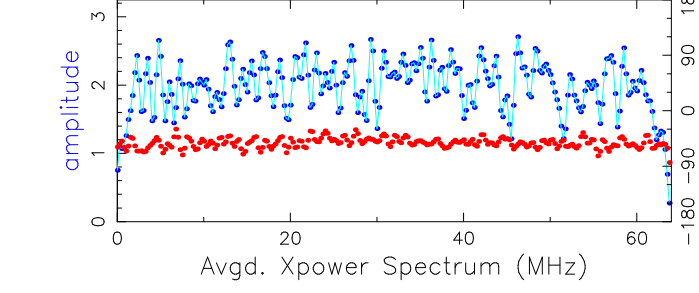
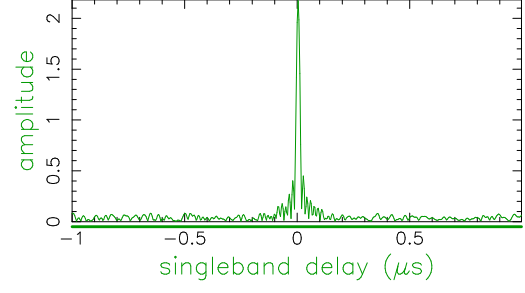
amp/frq (%) 19.2 15.6 Inc. seg. avg. 0.541 Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us dr window (ns/s) -0.023 0.023

u: az 186.8 el 48.3 pa 5.8 W: az 313.0 el 55.9 pa 140.9 u,v (fr/asec) -1283.588 4861.959 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite ion window (TEC) 0.00 0.00

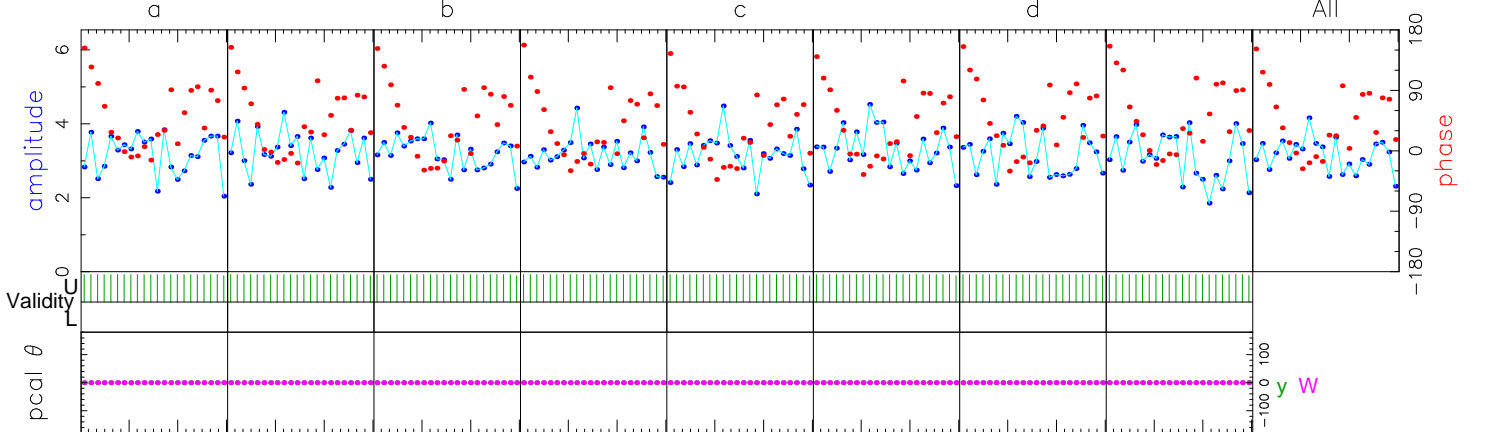
Control file: cf_1234 Input file: /Exps/c241d/v2/7mm/1234/No1356/uW...3N7A0J Output file: /Exps/c241d/v2/7mm/1234/No1356/uW.Q.33.3N7A0J simultaneous interpolator



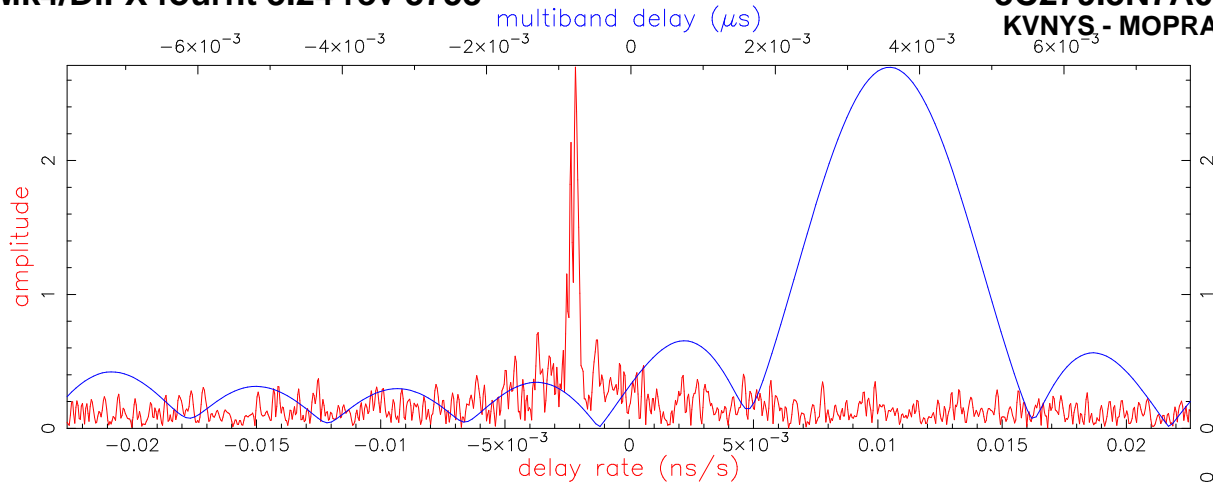
Fringe quality 5
SNR 79.7
Int time 179.846
Amp 2.182
Phase 39.4
PFD 0.0e+00
Delays (us)
SBD 0.004037
MBD -0.003894
Fringe rate (Hz)
-0.094323
Ion TEC 0.000
Ref freq (MHz)
43168.0000
AP (sec) 0.512
Exp. c241d
Exper # 1234
Yr:day 2024:114
Start 143001.00
Stop 143301.22
FRT 143131.00
Corr/FF/build
2025:049:064418
2025:051:103446
2023:348:201250
RA & Dec (J2000)
12h56m11.166579s
-5°47'21.525152"



Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec

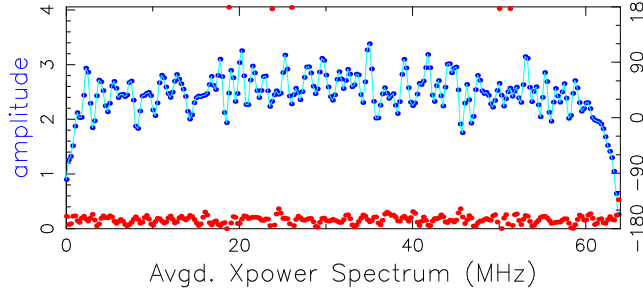
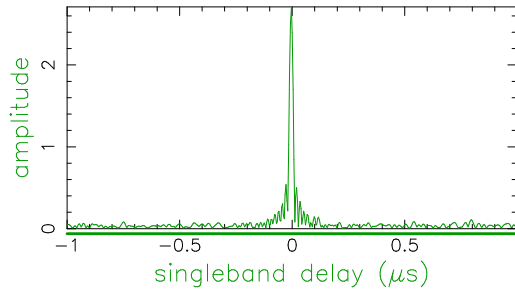


	42912.00	42976.00	43040.00	43104.00	43168.00	43232.00	43296.00	43360.00	Freq (MHz)	All
45.5	43.7	39.2	32.6	27.2	35.5	43.8	48.7	48.7	Phase	39.4
2.3	2.3	2.1	2.2	2.2	2.3	2.2	2.0	2.0	Ampl.	2.2
257.9	258.0	257.9	258.2	258.0	258.1	258.2	258.2	258.0	Sbd box	258.0
U/L 352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0	APs used	
y 0	24000	0	0	32000	0	0	24000	0	PC freqs	
W 0	0	0	0	0	0	0	0	0	PC freqs	
y:W 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
y:W 0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
y 1000	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
W 1000	1000	1000	1000	1000	1000	1000	1000	1000		
y Q00UL	Q01UL	Q02UL	Q03UL	Q04UL	Q05UL	Q06UL	Q07UL		Chan ids	
W Q00UR	Q01UR	Q02UR	Q03UR	Q04UR	Q05UR	Q06UR	Q07UR		Tracks	
									Tracks	
Group delay (usec) (SBD)	-2.12264993804E+03		Apriori delay (usec)	-2.12266166893E+03	Resid mbdelay (usec)	-3.89411E-03	+/-	1.4E-05		
Sband delay (usec)	-2.12265763143E+03		Apriori clock (usec)	8.0464115E+00	Resid sbdelay (usec)	4.03750E-03	+/-	1.1E-04		
Phase delay (usec)	-2.12266166639E+03		Apriori clockrate (us/s)	2.8107200E-06	Resid phdelay (usec)	2.53709E-06	+/-	9.3E-08		
Delay rate (us/s)	4.97416512668E-01		Apriori rate (us/s)	4.97418697687E-01	Resid rate (us/s)	-2.18502E-06	+/-	8.9E-10		
Total phase (deg)		-293.4	Apriori accel (us/s/s)	-1.77260782990E-06	Resid phase (deg)	39.4	+/-	1.4		
	RMS	Theor.	Amplitude	2.182 +/- 0.027	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5				
ph/seg (deg)	48.3	3.4	Search (1024X32)	2.055	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000	1.000		
amp/seg (%)	49.8	5.9	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	mb window (us)	-0.008	0.008	
ph/frq (deg)	7.9	2.0	Inc. seg. avg.	3.176	Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us	dr window (ns/s)	-0.023	0.023		
amp/frq (%)	4.0	3.5	Inc. frq. avg.	2.196	Data rate(Mb/s): 2048	nlags: 256 t_cohere infinite	ion window (TEC)	0.00	0.00	
y: az 183.2 el 46.5 pa 2.8		W: az 313.0 el 55.9 pa 140.9		u, v (fr/asec) -1433.004 4978.304						simultaneous interpolator
Control file: cf_1234	Input file: /Exps/c241d/v2/7mm/1234/No1356/yW..3N7A0J			Output file: /Exps/c241d/v2/7mm/1234/No1356/yW.Q.10.3N7A0J						



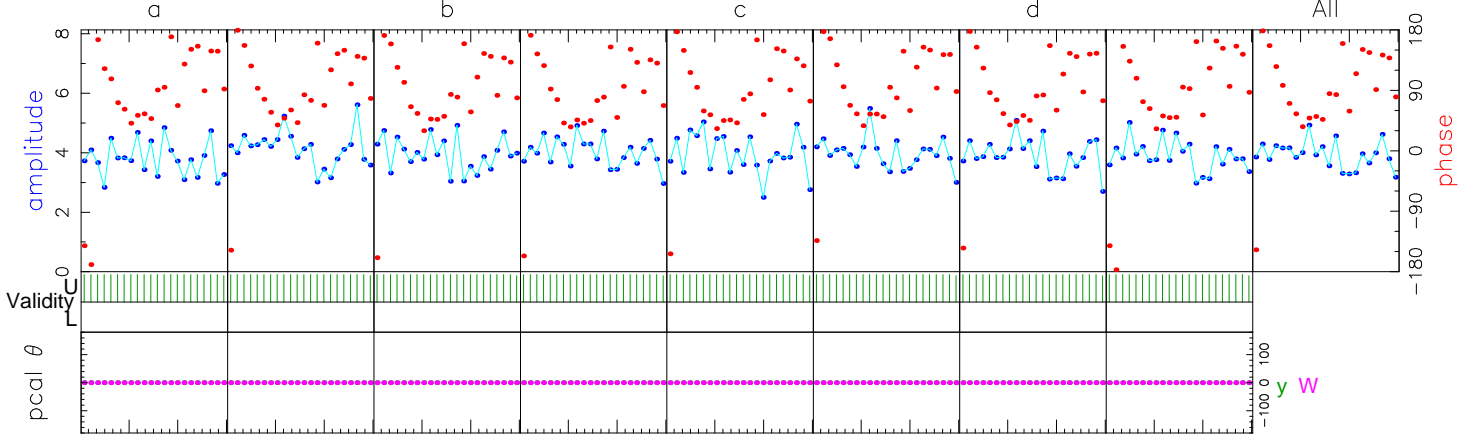
Fringe quality 5

SNR 99.0
Int time 179.846
Amp 2.710
Phase 102.7
PFD 0.0e+00
Delays (us)
SBD -0.004347
MBD 0.003579
Fringe rate (Hz)
-0.094393
Ion TEC 0.000
Ref freq (MHz)
43168.0000
AP (sec) 0.512



Exp. c241d
Exper # 1234
Yr:day 2024:114
Start 143001.00
Stop 143301.22
FRT 143131.00
Corr/FF/build
2025:049:064418
2025:051:103448
2023:348:201250
RA & Dec (J2000)
12h56m11.166579s
-5°47'21.525152"

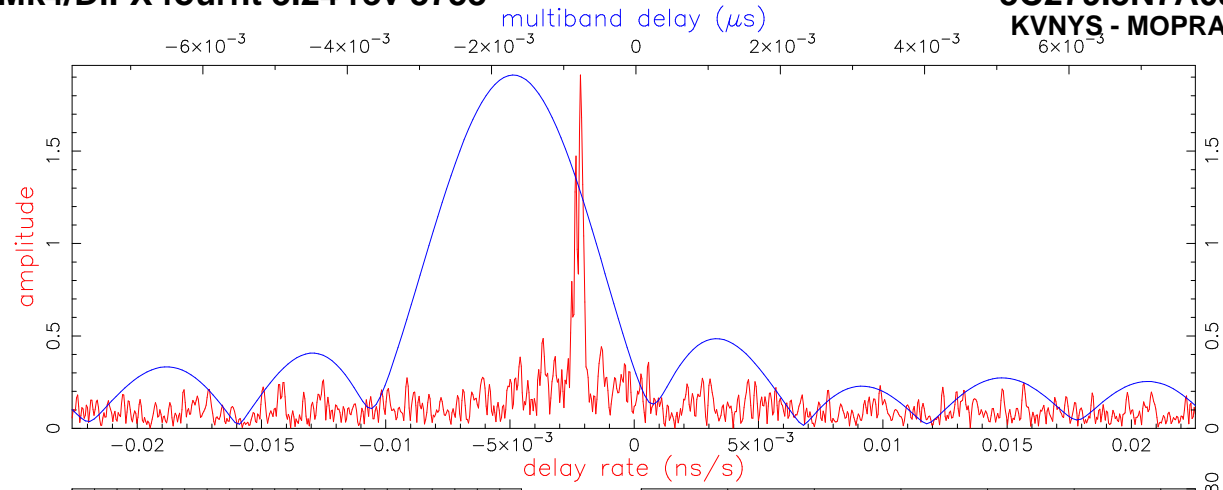
Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



	42912.00	42976.00	43040.00	43104.00	43168.00	43232.00	43296.00	43360.00	Freq (MHz)	All
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0		
y	0	24000	0	0	32000	0	0	24000		
W	0	0	0	0	0	0	0	0		
y:W	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
y:W	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
y	1000	1000	1000	1000	1000	1000	1000	1000		
W	1000	1000	1000	1000	1000	1000	1000	1000		
y	Q00UR	Q01UR	Q02UR	Q03UR	Q04UR	Q05UR	Q06UR	Q07UR		
W	Q00UL	Q01UL	Q02UL	Q03UL	Q04UL	Q05UL	Q06UL	Q07UL		

Group delay (usec) (SBD)	-2.12267371492E+03	Apriori delay (usec)	-2.12266166893E+03	Resid mbdelay (usec)	3.57901E-03	+/-	1.1E-05
Sband delay (usec)	-2.12266601593E+03	Apriori clock (usec)	8.0464115E+00	Resid sbdelay (usec)	-4.34700E-03	+/-	8.7E-05
Phase delay (usec)	-2.12266166232E+03	Apriori clockrate (us/s)	2.8107200E-06	Resid phdelay (usec)	6.60800E-06	+/-	7.4E-08
Delay rate (us/s)	4.97416511037E-01	Apriori rate (us/s)	4.97418697687E-01	Resid rate (us/s)	-2.18665E-06	+/-	7.2E-10
Total phase (deg)	-230.1	Apriori accel (us/s/s)	-1.77260782990E-06	Resid phase (deg)	102.7	+/-	1.2

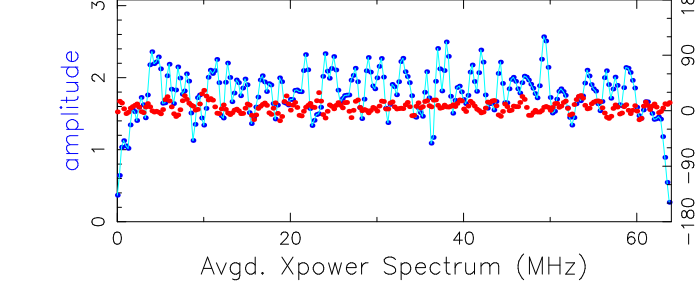
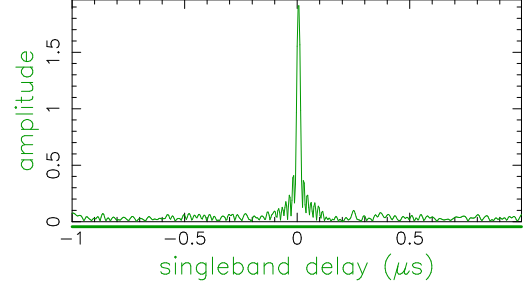
ph/seg (deg)	48.4	RMS	2.7	Theor.	2.7	Amplitude	2.710 +/- 0.027	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5
amp/seg (%)	48.7	Search (1024X32)	2.563	Inc. seg. avg.	3.951	Inc. frq. avg.	2.713	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000
ph/frq (deg)	4.7	Inc. seg. avg.	3.951	Inc. frq. avg.	2.713	Bits/sample:	2x2	SampCntNorm:	enabled	mb window (us)	-0.008 0.008
amp/frq (%)	3.9	Inc. frq. avg.	2.713	Data rate (MSamp/s):	128 MBpts 32 Amb 0.016 us	Data rate (Mb/s):	2048	nlags:	256 t_cohere infinite	dr window (ns/s)	-0.023 0.023
y: az 183.2 el 46.5 pa 2.8		W: az 313.0 el 55.9 pa 140.9		u, v (fr/asec)	-1433.004 4978.304	ion window (TEC)	0.00 0.00	simultaneous interpolator			



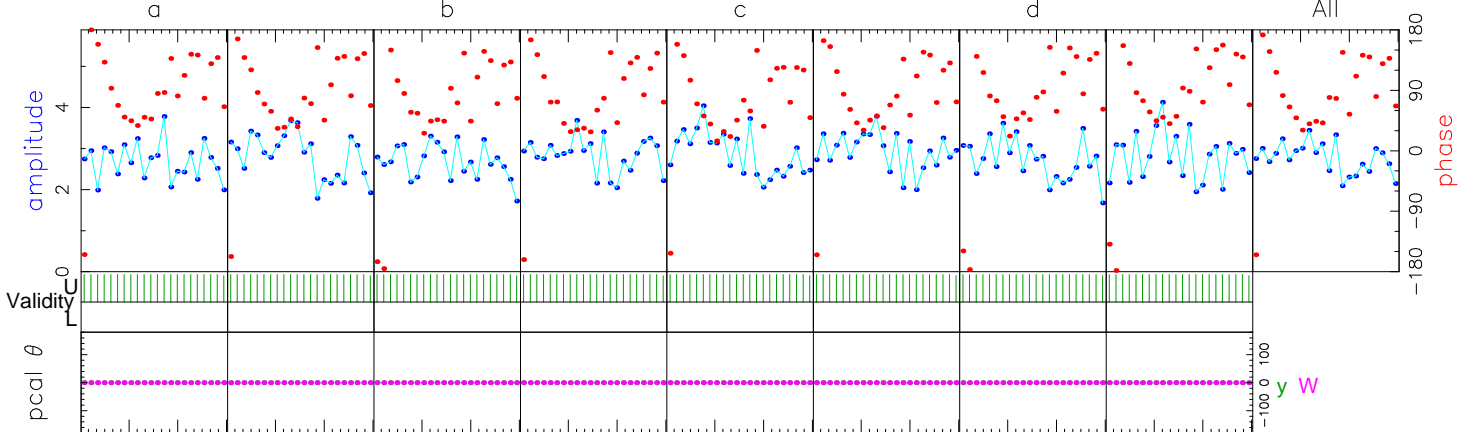
Fringe quality 5

SNR 71.7
Int time 179.846
Amp 1.964
Phase 93.2
PFD 0.0e+00
Delays (us)
SBD 0.005894
MBD -0.001715
Fringe rate (Hz)
-0.094328
Ion TEC 0.000
Ref freq (MHz)
43168.0000
AP (sec) 0.512

Exp. c241d
Exper # 1234
Yr:day 2024:114
Start 143001.00
Stop 143301.22
FRT 143131.00
Corr/FF/build
2025:049:064418
2025:051:103443
2023:348:201250
RA & Dec (J2000)
12h56m11.166579s
--5°47'21.525152"



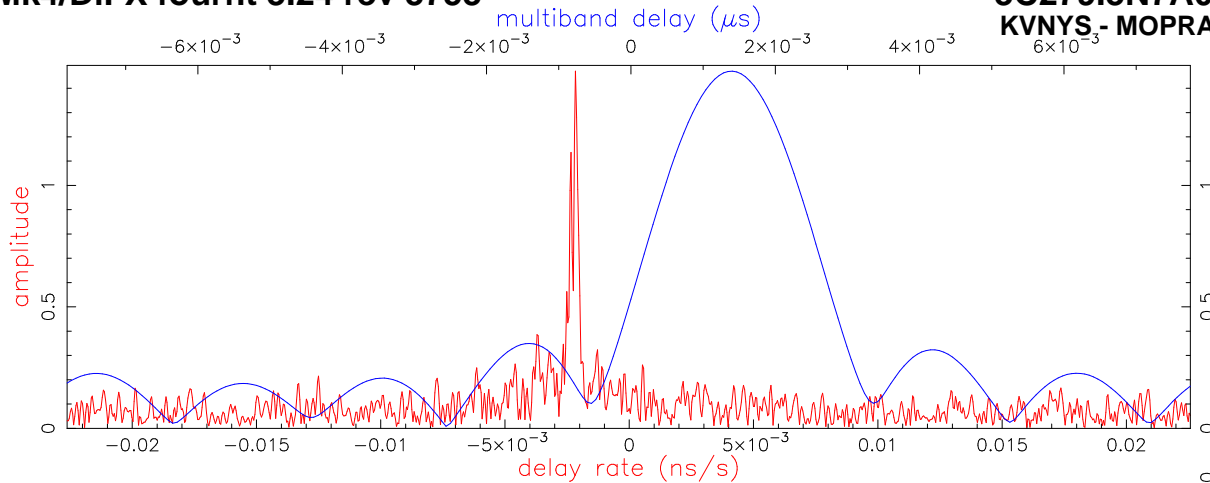
Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



	42912.00	42976.00	43040.00	43104.00	43168.00	43232.00	43296.00	43360.00	Freq (MHz)	All
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0		258.5
y	0	24000	0	0	32000	0	0	24000		
W	0	0	0	0	0	0	0	0		
y:W	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
y:W	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
y	1000	1000	1000	1000	1000	1000	1000	1000		
W	1000	1000	1000	1000	1000	1000	1000	1000		
y	Q00UL	Q01UL	Q02UL	Q03UL	Q04UL	Q05UL	Q06UL	Q07UL		Chan ids
W	Q00UL	Q01UL	Q02UL	Q03UL	Q04UL	Q05UL	Q06UL	Q07UL		Tracks

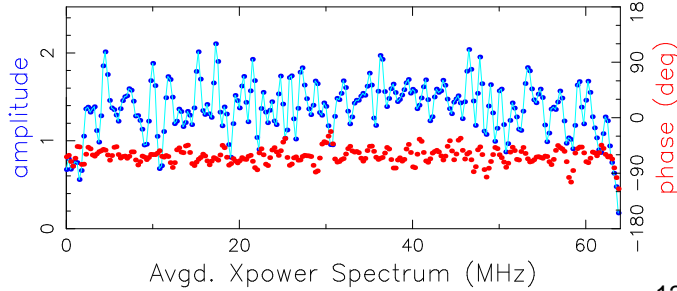
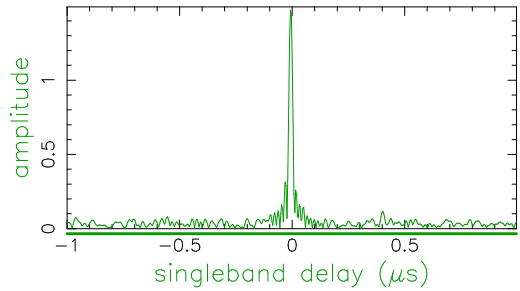
Group delay (usec) (SBD)	-2.12266338414E+03	Apriori delay (usec)	-2.12266166893E+03	Resid mbdelay (usec)	-1.71520E-03	+/-	1.5E-05
Sband delay (usec)	-2.12265577543E+03	Apriori clock (usec)	8.0464115E+00	Resid sbdelay (usec)	5.89350E-03	+/-	1.2E-04
Phase delay (usec)	-2.12266166293E+03	Apriori clockrate (us/s)	2.8107200E-06	Resid phdelay (usec)	5.99820E-06	+/-	1.0E-07
Delay rate (us/s)	4.97416512549E-01	Apriori rate (us/s)	4.97418697687E-01	Resid rate (us/s)	-2.18514E-06	+/-	9.9E-10
Total phase (deg)	-239.6	Apriori accel (us/s/s)	-1.77260782990E-06	Resid phase (deg)	93.2	+/-	1.6

ph/seg (deg)	48.1	RMS	48.1	Theor.	3.7	Amplitude	1.964 +/- 0.027	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5	
amp/seg (%)	45.6		45.6		6.5	Search (1024X32)	1.837	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000	
ph/frq (deg)	6.8		6.8		2.3	Inc. seg. avg.	2.777	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.008 0.008
amp/frq (%)	3.8		3.8		3.9	Inc. frq. avg.	1.928	Data rate(MSamp/s):	128 MBpts 32 Amb 0.016 us	dr window (ns/s)	-0.023 0.023	
y: az 183.2 el 46.5 pa 2.8		W: az 313.0 el 55.9 pa 140.9		u, v (fr/asec)	-1433.004 4978.304			Data rate(Mb/s):	2048	nlags: 256 t_cohere infinite	ion window (TEC)	0.00 0.00
Control file: cf_1234		Input file: /Exps/c241d/v2/7mm/1234/No1356/yW..3N7A0J		Output file: /Exps/c241d/v2/7mm/1234/No1356/yW.Q.3.3N7A0J							simultaneous interpolator	



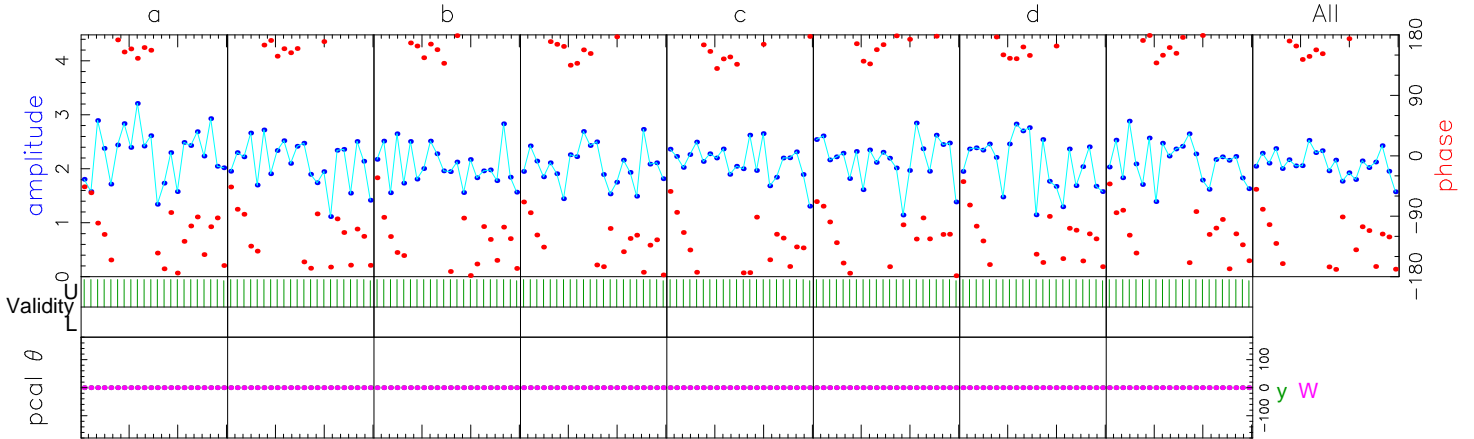
Fringe quality 5

SNR 54.6
Int time 179.846
Amp 1.494
Phase -152.0
PFD 0.0e+00
Delays (us)
SBD -0.006415
MBD 0.001401
Fringe rate (Hz)
-0.094436
Ion TEC 0.000
Ref freq (MHz)
43168.0000
AP (sec) 0.512



Exp. c241d
Exper # 1234
Yr:day 2024:114
Start 143001.00
Stop 143301.22
FRT 143131.00
Corr/FF/build
2025:049:064418
2025:051:103444
2023:348:201250
RA & Dec (J2000)
12h56m11.166579s
--5°47'21.525152"

Amp. and Phase vs. time for each freq., 22 segs, 16 APs / seg (8.19 sec / seg.), time ticks 10 sec



	42912.00	42976.00	43040.00	43104.00	43168.00	43232.00	43296.00	43360.00	Freq (MHz)	All
	-143.6	-148.7	-154.5	-160.2	-162.0	-149.0	-152.7	-145.3	Phase	-152.0
	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.5	Ampl.	1.5
	255.5	255.4	255.3	255.3	255.5	255.3	255.3	255.3	Sbd box	255.4
U/L	352/0	352/0	352/0	352/0	352/0	352/0	352/0	352/0	APs used	
y	0	24000	0	0	32000	0	0	24000	PC freqs	
W	0	0	0	0	0	0	0	0	PC freqs	
y:W	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
y:W	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
y	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
W	1000	1000	1000	1000	1000	1000	1000	1000		
y	Q00UR	Q01UR	Q02UR	Q03UR	Q04UR	Q05UR	Q06UR	Q07UR	Chan ids	
W	Q00UR	Q01UR	Q02UR	Q03UR	Q04UR	Q05UR	Q06UR	Q07UR	Tracks	
									Chan ids	
									Tracks	
Group delay (usec) (SBD)	-2.12267589317E+03			Apriori delay (usec)	-2.12266166893E+03			Resid mbdelay (usec)	1.40076E-03	+/- 2.0E-05
Sband delay (usec)	-2.12266808343E+03			Apriori clock (usec)	8.0464115E+00			Resid sbdelay (usec)	-6.41450E-03	+/- 1.6E-04
Phase delay (usec)	-2.12266167871E+03			Apriori clockrate (us/s)	2.8107200E-06			Resid phdelay (usec)	-9.78180E-06	+/- 1.4E-07
Delay rate (us/s)	4.97416510058E-01			Apriori rate (us/s)	4.97418697687E-01			Resid rate (us/s)	-2.18763E-06	+/- 1.3E-09
Total phase (deg)		-124.8		Apriori accel (us/s/s)	-1.77260782990E-06			Resid phase (deg)	-152.0	+/- 2.1

ph/seg (deg) 46.5 4.9 Search (1024X32) 1.392 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 43.5 8.6 Interp. 0.000 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 7.2 3.0 Inc. seg. avg. 2.099 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 2.5 5.2 Inc. frq. avg. 1.483 Data rate(MSamp/s): 128 MBpts 32 Amb 0.016 us dr window (ns/s) -0.023 0.023
 y: az 183.2 el 46.5 pa 2.8 W: az 313.0 el 55.9 pa 140.9 u, v (fr/asec) -1433.004 4978.304 nlags: 256 t_cohere infinite ion window (TEC) 0.00 0.00
 Control file: cf_1234 Input file: /Exps/c241d/v2/7mm/1234/No1356/yW..3N7A0J Output file: /Exps/c241d/v2/7mm/1234/No1356/yW.Q.7.3N7A0J simultaneous interpolator