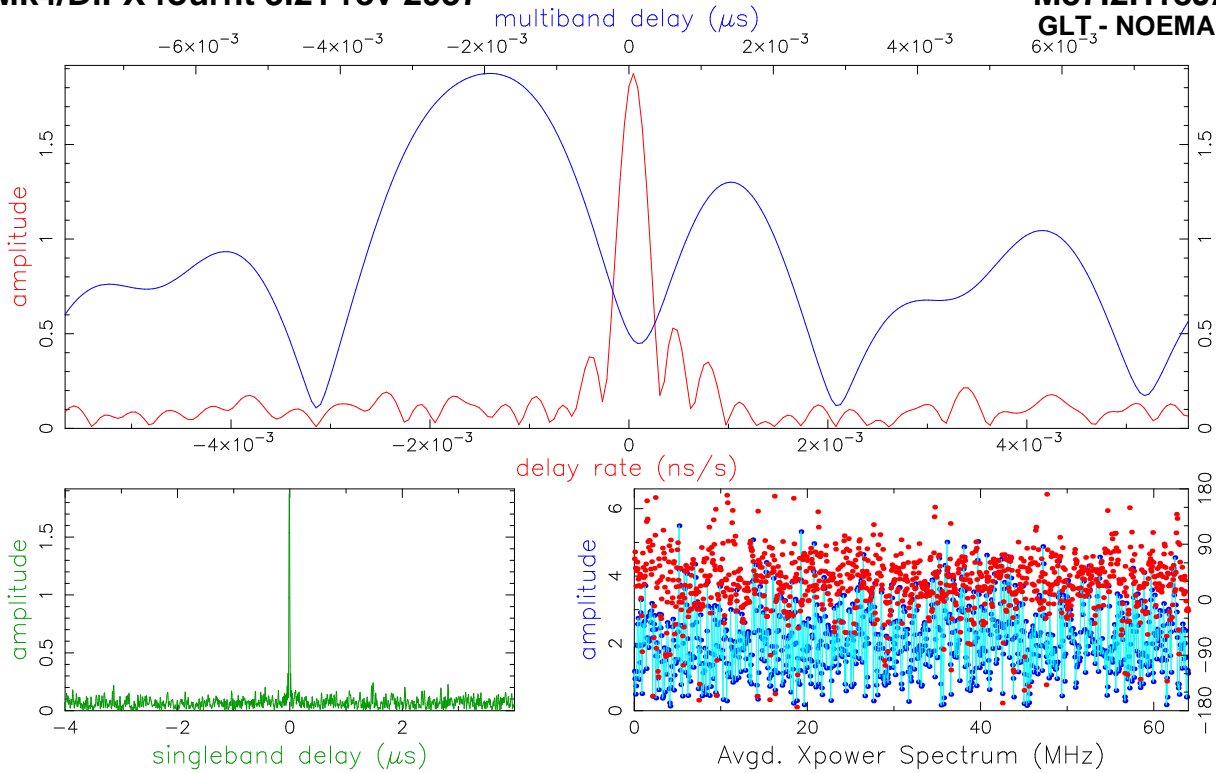


Mk4/DiFX fourfit 3.21 rev 2937

M87.2H18JA, No0136, gN  
GLT - NOEMA, fgroup W, pol LL

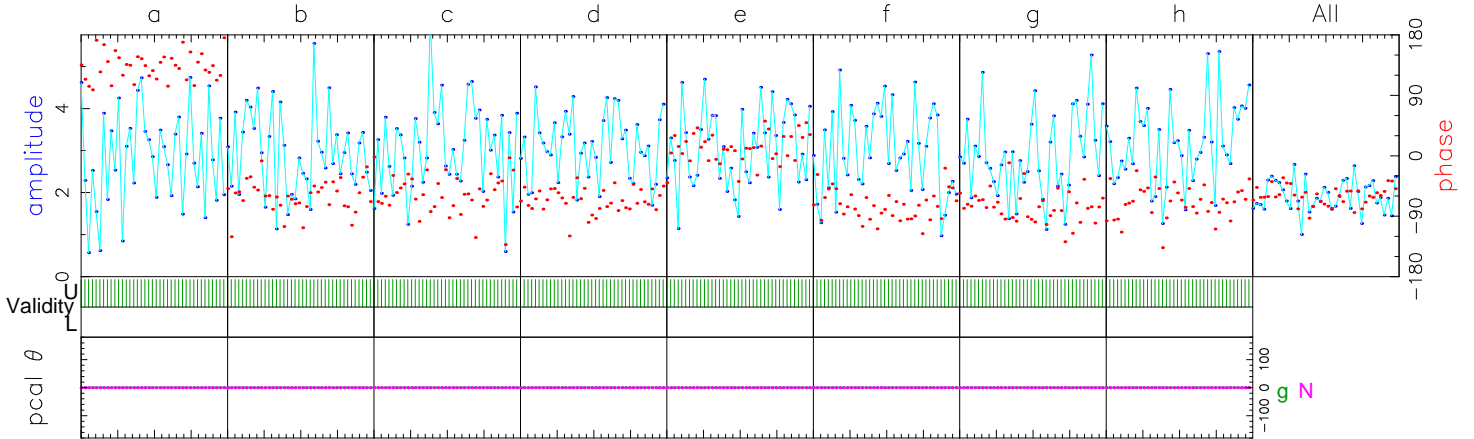


Fringe quality 5

SNR 33.1  
Int time 39.925  
Amp 1.918  
Phase -59.3  
PFD 0.0e+00  
Delays (us)  
SBD -0.009791  
MBD -0.001860  
Fringe rate (Hz) 0.005354  
Ion TEC 0.000  
Ref freq (MHz) 86140.0000  
AP (sec) 1.024

Exp. c221a  
Exper # 16383  
Yr:day 2022:091  
Start 032520.00  
Stop 032559.94  
FRT 032850.00  
Corr/FF/build  
2022:327:113724  
2022:327:113728  
2021:252:122852  
RA & Dec (J2000)  
12h30m49.423382s  
+12°23'28.043741"

Amp. and Phase vs. time for each freq., 39 segs, 1 APs / seg (1.02 sec / seg.), time ticks 2 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	133.7	-58.6	-57.7	-65.7	11.9	-75.4	-76.3	-65.3	Phase	-59.3
	2.7	2.7	2.8	3.0	2.9	2.8	2.7	2.9	Ampl.	2.8
	1022.6	1022.4	1022.6	1022.6	1022.4	1022.8	1022.6	1022.3	Sbd box	1022.5
U/L	39/0	39/0	39/0	39/0	39/0	39/0	39/0	39/0	APs used	
g	0	0	0	0	0	0	0	0	PC freqs	
g:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
g:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Mani PC	
g	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
N	1000	1000	1000	1000	1000	1000	1000	1000		
g	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
N	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Tracks	

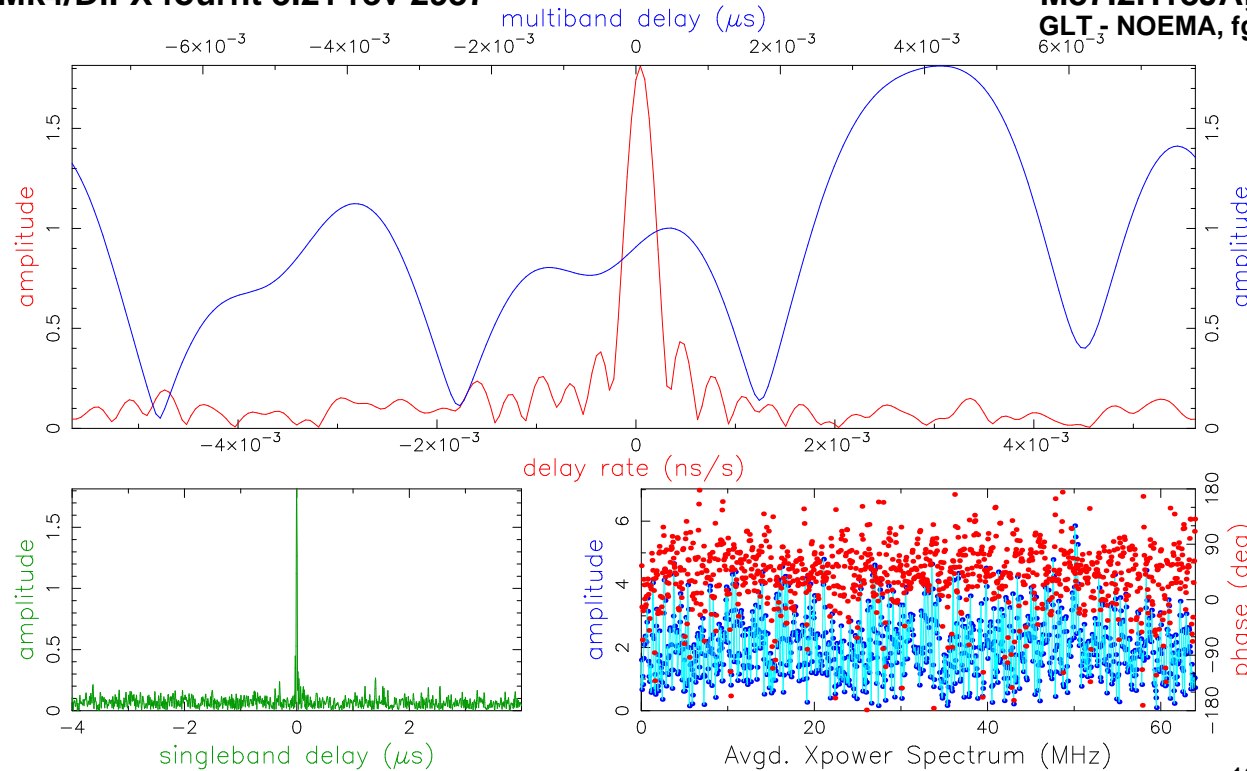
Group delay (usec)(sbd)	-1.57684960738E+03	Apriori delay (usec)	-1.57683212197E+03	Resid mbdelay (usec)	-1.86041E-03	+/-	3.3E-05
Sband delay (usec)	-1.57684191322E+03	Apriori clock (usec)	1.3562489E+01	Resid sbdelay (usec)	-9.79125E-03	+/-	2.6E-04
Phase delay (usec)	-1.57683212388E+03	Apriori clockrate (us/s)	6.6000001E-08	Resid phdelay (usec)	-1.91126E-06	+/-	1.1E-07
Delay rate (us/s)	1.02403035092E+00	Apriori rate (us/s)	1.02403028877E+00	Resid rate (us/s)	6.21547E-08	+/-	4.8E-09
Total phase (deg)	-54.3	Apriori accel (us/s/s)	1.49420384119E-05	Resid phase (deg)	-59.3	+/-	3.5

ph/seg (deg)	13.7	Theor.	Amplitude	1.918 +/- 0.058	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	sb window (us)	-4.000	4.000
amp/seg (%)	19.3	10.8	Search (128X32)	1.849	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		mb window (us)	-0.008	0.008
ph/frq (deg)	74.8	4.9	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	dr window (ns/s)	-0.006	0.006
amp/frq (%)	47.0	8.5	Inc. seg. avg.	1.893	Sample rate(MISamp/s): 128		ion window (TEC)	0.00	0.00
			Inc. frq. avg.	2.803	Data rate(Mb/s): 2048	nlags: 1024 t_cohere infinite			

g: az 162.5 el 25.2 pa -4.1 N: az 255.9 el 30.9 pa 45.1 u,v (fr/asec) -5974.404 2625.853 simultaneous interpolator  
Control file: cf\_1234\_gmva Input file: /Exps/c221a/FRINGE/3mm/1234/No0136/gN..2H18JA Output file: /Exps/c221a/FRINGE/3mm/1234/No0136/gN.W.1.2H18JA

Mk4/DiFX fourfit 3.21 rev 2937

M87.2H18JA, No0136, gN  
GLT - NOEMA, fgroup W, pol RR

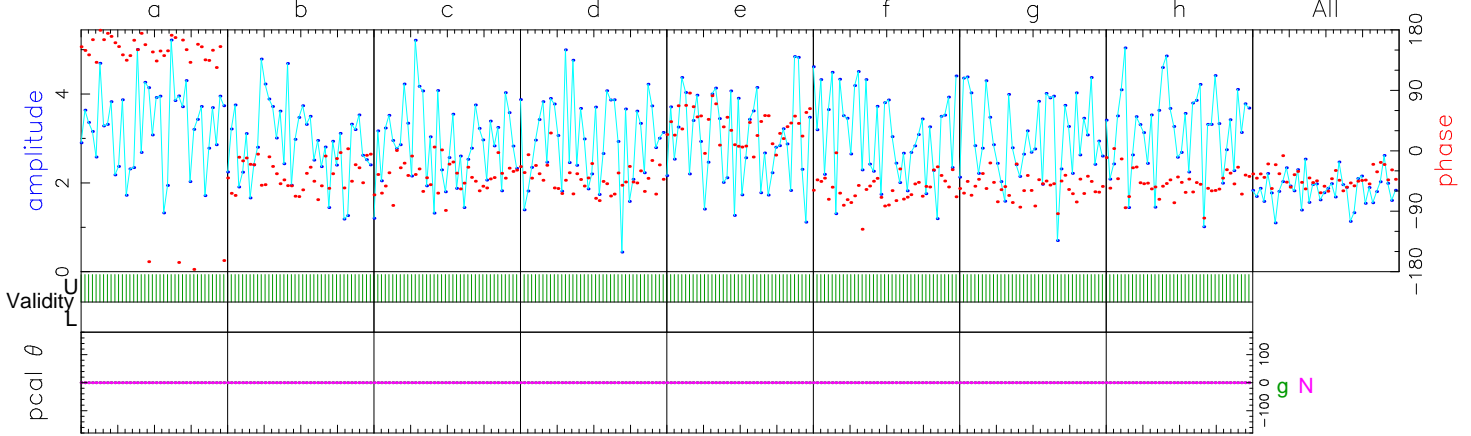


Fringe quality 5

SNR 31.4  
Int time 39.925  
Amp 1.815  
Phase -40.5  
PFD 0.0e+00  
Delays (us)  
SBD -0.003408  
MBD 0.004226  
Fringe rate (Hz) 0.005501  
Ion TEC 0.000  
Ref freq (MHz) 86140.0000  
AP (sec) 1.024

Exp. c221a  
Exper # 16383  
Yr:day 2022:091  
Start 032520.00  
Stop 032559.94  
FRT 032850.00  
Corr/FF/build  
2022:327:113724  
2022:327:113729  
2021:252:122852  
RA & Dec (J2000)  
12h30m49.423382s  
+12°23'28.043741"

Amp. and Phase vs. time for each freq., 39 segs, 1 APs / seg (1.02 sec / seg.), time ticks 2 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
U/L	39/0	39/0	39/0	39/0	39/0	39/0	39/0	39/0		
g:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
g:N	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0		
g	1000	1000	1000	1000	1000	1000	1000	1000		
N	1000	1000	1000	1000	1000	1000	1000	1000		
g	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		
N	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR		

Group delay (usec)(sbd)	-1.57682789575E+03	Apriori delay (usec)	-1.57683212197E+03	Resid mbdelay (usec)	4.22621E-03	+/-	3.5E-05
Sband delay (usec)	-1.57683552972E+03	Apriori clock (usec)	1.3562489E+01	Resid sbdelay (usec)	-3.40775E-03	+/-	2.7E-04
Phase delay (usec)	-1.57683212327E+03	Apriori clockrate (us/s)	6.6000001E-08	Resid phdelay (usec)	-1.30537E-06	+/-	1.2E-07
Delay rate (us/s)	1.02403035263E+00	Apriori rate (us/s)	1.02403028877E+00	Resid rate (us/s)	6.38666E-08	+/-	5.1E-09
Total phase (deg)		Apriori accel (us/s/s)	1.49420384119E-05	Resid phase (deg)	-40.5	+/-	3.7

ph/seg (deg)	13.0	Theor.	11.4	Amplitude	1.815 +/- 0.058	Pcal mode:	MANUAL, MANUAL	PC period (AP's)	5, 5		
amp/seg (%)	18.7		19.9	Search (128X32)	1.782	Pcal rate:	0.000E+00, 0.000E+00 (us/s)	sb window (us)	-4.000 4.000		
ph/frq (deg)	73.8		5.2	Interp.	0.000	Bits/sample:	2x2	SampCntNorm: enabled	mb window (us)	-0.008 0.008	
amp/frq (%)	59.0		9.0	Inc. seg. avg.	1.825	Sample rate (MSamp/s):	128	dr window (ns/s)	-0.006 0.006		
				Inc. frq. avg.	2.864	Data rate (Mb/s):	2048	nlags:	1024 t_cohere infinite	ion window (TEC)	0.00 0.00

g: az 162.5 el 25.2 pa -4.1 N: az 255.9 el 30.9 pa 45.1 u,v (fr/asec) -5974.404 2625.853 simultaneous interpolator

Control file: cf\_1234\_gmva Input file: /Exps/c221a/FRINGE/3mm/1234/No0136/gN..2H18JA Output file: /Exps/c221a/FRINGE/3mm/1234/No0136/gN.W.2.2H18JA