

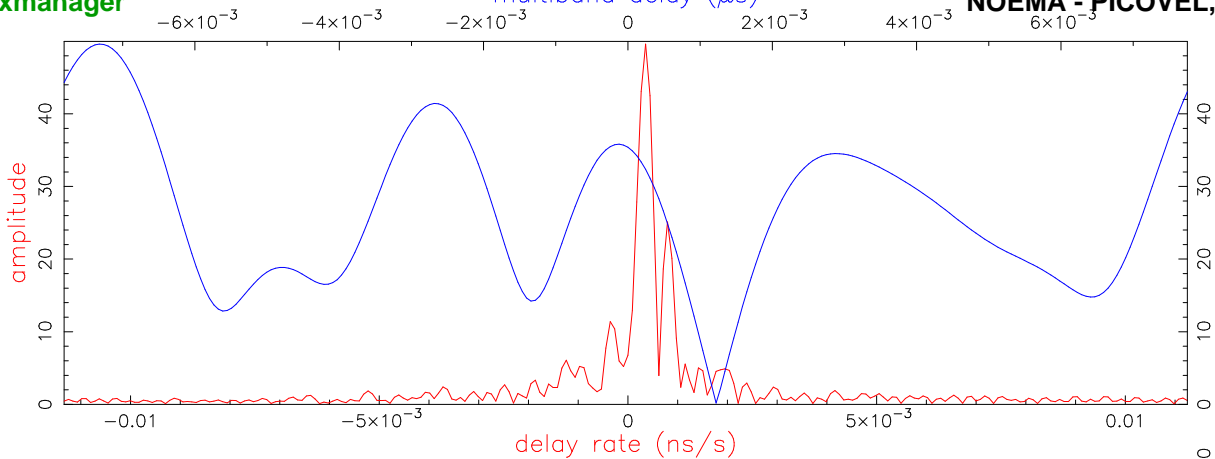
Mk4/DiFX fourfit 3.21 rev 2937

fxmanager

0420-014.1N7ULS, No0009, NP

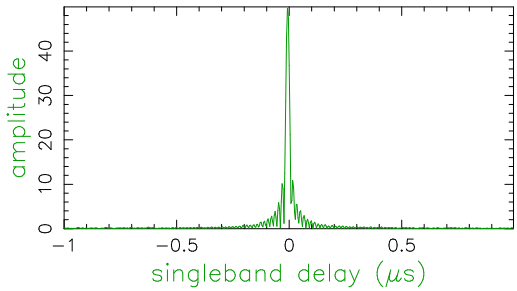
NOEMA - PICOVEL, fgroup W, pol RR

multiband delay (μ s)

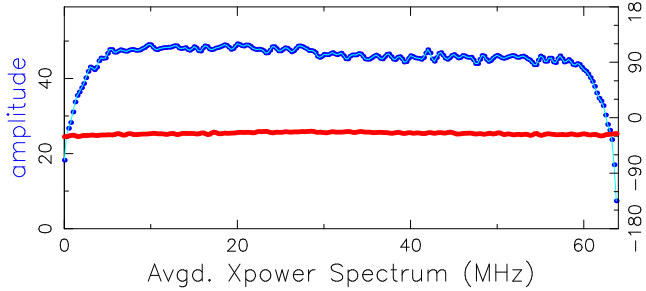


Fringe quality 3

SNR 846.5
 Int time 38.394
 Amp 49.975
 Phase -19.6
 PFD 0.0e+00
 Delays (us)
 SBD -0.006767
 MBD -0.007302
 Fringe rate (Hz)
 0.030737
 Ion TEC 0.000
 Ref freq (MHz)
 86140.0000
 AP (sec) 0.512

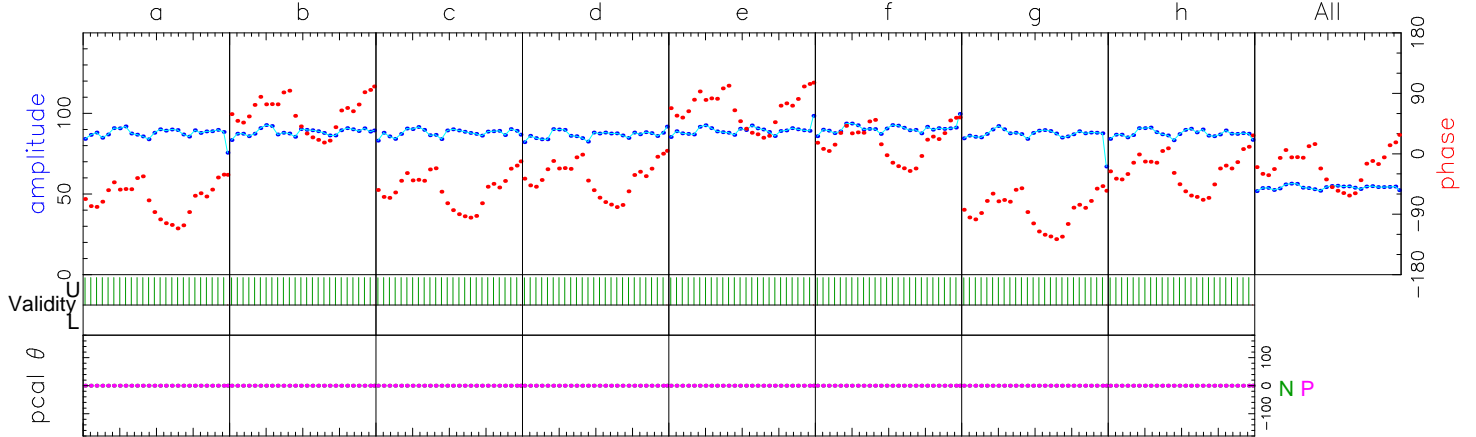


delay rate (ns/s)



Exp. f211a
 Exper # 16383
 Yr:day 2021:112
 Start 140000.00
 Stop 140038.91
 FRT 140230.00
 Corr/FF/build
 2021:112:202603
 2021:112:203155
 2021:057:122453
 RA & Dec (J2000)
 04h23m15.800724s
 -1°20'33.065613"

Amp. and Phase vs. time for each freq., 26 segs, 3 APs / seg (1.54 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
	-67.4	59.4	-53.9	-36.3	67.0	16.9	-84.4	-26.3	Phase	-19.6
	80.6	81.1	80.7	79.2	81.5	82.7	80.1	80.3	Ampl.	80.8
	255.6	255.4	255.2	255.5	255.8	255.3	255.8	255.8	Sbd box	255.3
U/L	76/0	76/0	76/0	76/0	76/0	76/0	76/0	76/0	APs used	
N	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
P	1000	1000	1000	1000	1000	1000	1000	1000	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)	-1.73244334781E+03		Apriori delay (usec)		-1.73243604624E+03		Resid mbdelay (usec)		-7.30157E-03	+/- 1.3E-06
Sband delay (usec)	-1.73244281324E+03		Apriori clock (usec)		-1.2457707E+01		Resid sbdelay (usec)		-6.76700E-03	+/- 1.0E-05
Phase delay (usec)	-1.73243604687E+03		Apriori clockrate (us/s)		3.0850001E-09		Resid phdelay (usec)		-6.30510E-07	+/- 4.4E-09
Delay rate (us/s)	-1.97605033899E-01		Apriori rate (us/s)		-1.97605390729E-01		Resid rate (us/s)		3.56830E-07	+/- 1.9E-10
Total phase (deg)			Apriori accel (us/s/s)		8.89099571318E-06		Resid phase (deg)		-19.6	+/- 0.1

ph/seg (deg) 23.9 0.3 Amplitude 49.975 +/- 0.059 Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
 amp/seg (%) 8.8 0.6 Search (256X32) 49.525 Pcal rate: 0.000E+00, 0.000E+00 (us/s) sb window (us) -1.000 1.000
 ph/frq (deg) 62.0 0.2 Interp. 0.000 Bits/sample: 2x2 SampCntNorm: enabled mb window (us) -0.008 0.008
 amp/frq (%) 61.7 0.3 Inc. seg. avg. 54.234 Sample rate(MISamp/s): 128 Data rate(Mb/s): 2048 nlags: 256 t_cohere infinite dr window (ns/s) -0.011 0.011
 N: az 180.9 el 44.1 pa 1.2 P: az 166.3 el 50.8 pa -10.4 u,v (fr/asec) 1137.950 871.508 ion window (TEC) 0.00 0.00
 Control file: cf_1234_gmva Input file: /Exps/f211a/FRINGE/1234/No0009/NP..1N7ULS Output file: /Exps/f211a/FRINGE/1234/No0009/NP.W.10.1N7ULS simultaneous interpolator