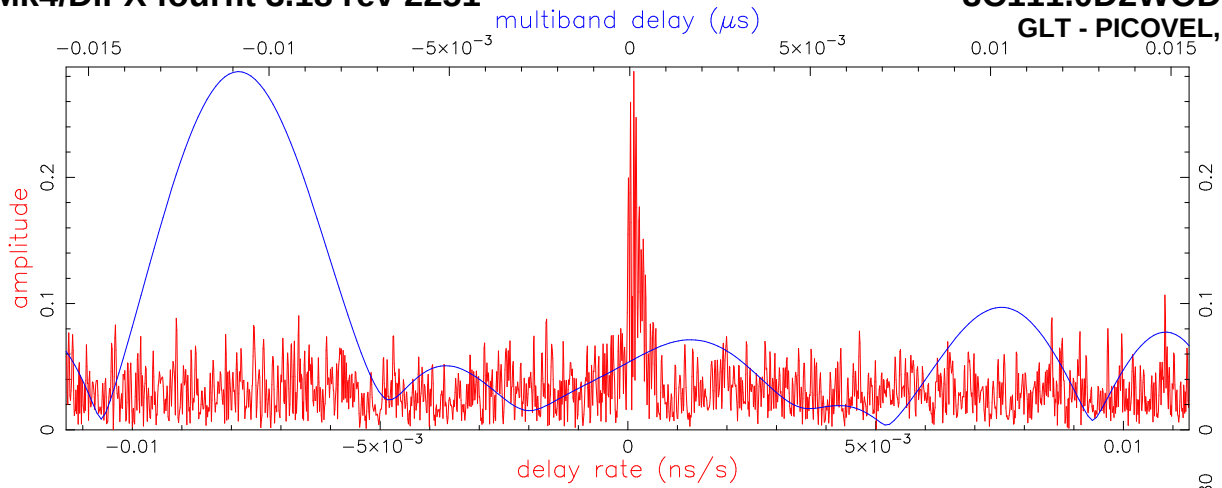
Mk4/DiFX fourfit 3.18 rev 2251

3C111.0D2WOD, No0032, gP

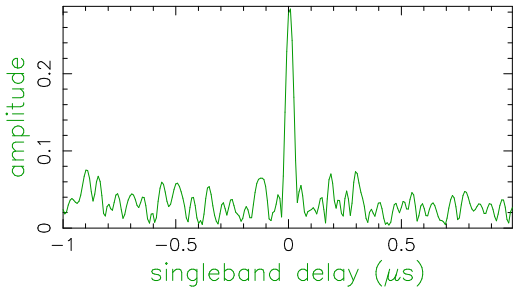
GLT - PICOVEL, fgroup W, pol LR

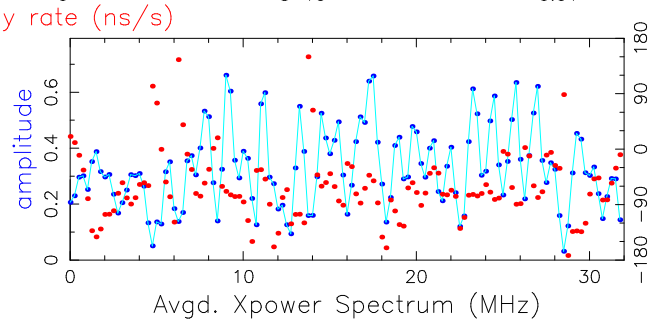


Fringe quality 9

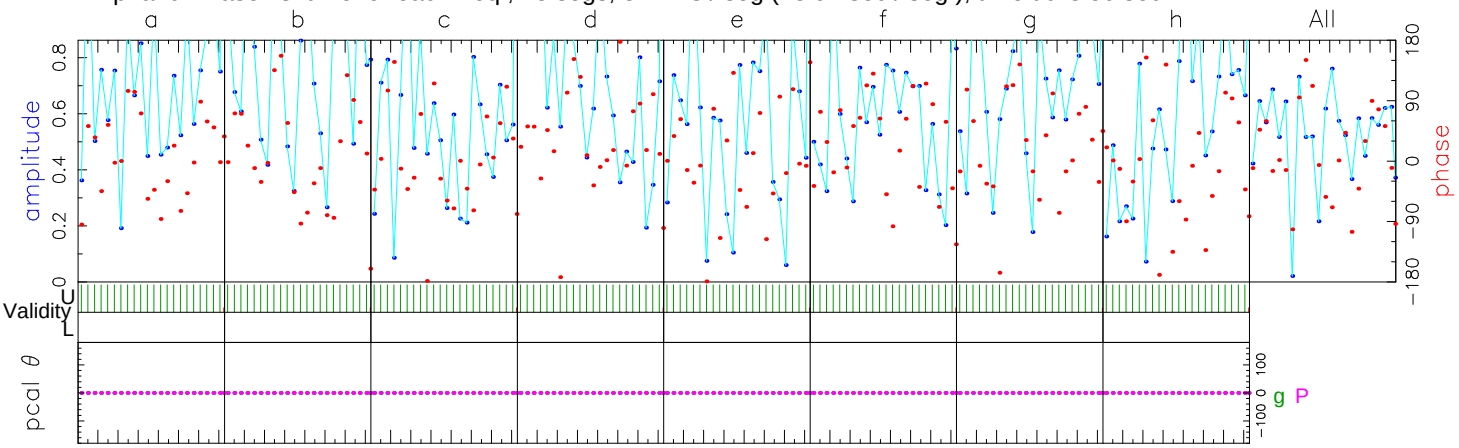
SNR 11.4
Int time 418.342
Amp 0.287
Phase 19.4
PFD 1.5e-21
Delays (us)
SBD 0.004769
MBD -0.010852
Fringe rate (Hz)
0.010673
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512

Exp. c181c
Exper # 16383
Yr:day 2018:104
Start 213001.00
Stop 213700.84
FRT 213331.00
Corr/FF/build
2018:288:193723
2018:312:015825
2018:249:082454
RA & Dec (J2000)
04h18m21.2772s
+38°01'35.800"





Amp. and Phase vs. time for each freq., 23 segs, 37 APs / seg (18.94 sec / seg.), time ticks 30 sec



	86124.00	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	Freq (MHz)	All
	19.4	16.4	4.4	35.9	4.4	28.0	34.8	-8.0	Phase	19.4
	0.4	0.3	0.3	0.4	0.2	0.3	0.3	0.2	Ampl.	0.3
	129.6	130.9	129.2	129.5	129.1	128.9	129.4	124.2	Sbd box	129.6
U/L	820/0	820/0	820/0	820/0	820/0	820/0	820/0	820/0	APs used	
g	0	0	0	0	0	0	0	0	PC freqs	
P	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
g:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
g:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
g	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
P	1000	1000	1000	1000	1000	1000	1000	1000		
g	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
									Tracks	
P	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
									Tracks	

Group delay (usec)(sbd)	1.00345924531E+04	Apriori delay (usec)	1.00346033049E+04	Resid mbdelay (usec)	-1.08518E-02	+/-	1.9E-04
Sband delay (usec)	1.00346080739E+04	Apriori clock (usec)	1.3321248E+01	Resid sbdelay (usec)	4.76900E-03	+/-	1.5E-03
Phase delay (usec)	1.00346033055E+04	Apriori clockrate (us/s)	6.3339997E-06	Resid phdelay (usec)	6.26001E-07	+/-	3.3E-07
Delay rate (us/s)	8.11889812018E-01	Apriori rate (us/s)	8.11889688110E-01	Resid rate (us/s)	1.23908E-07	+/-	1.3E-09
Total phase (deg)	265.0	Apriori accel (us/s/s)	-2.75203870276E-05	Resid phase (deg)	19.4	+/-	10.1

	RMS	Theor.						
			Amplitude	0.287 +/- 0.025	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5		
ph/seg (deg)	66.4	24.2	Search (2048X32)	0.278	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-1.000 1.000
amp/seg (%)	102.5	42.2	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	mb window (us)	-0.016 0.016
ph/frq (deg)	17.3	14.3	Inc. seg. avg.	0.490	Sample rate(MSamp/s): 64		dr window (ns/s)	-0.011 0.011
amp/frq (%)	24.5	24.9	Inc. frq. avg.	0.284	Data rate(Mb/s): 1024	nlags: 128 t_cohere infinite	ion window (TEC)	0.00 0.00

g: az 219.4 el 49.0 pa 11.0 P: az 305.2 el 17.0 pa 55.5 u,v (fr/asec) -5949.605 935.309 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c181c/v2_pc1/1234/No0032/gP..0D2WOD Output file: /Exps/c181c/v2_pc1/1234/No0032/gP.W.7.0D2WOD