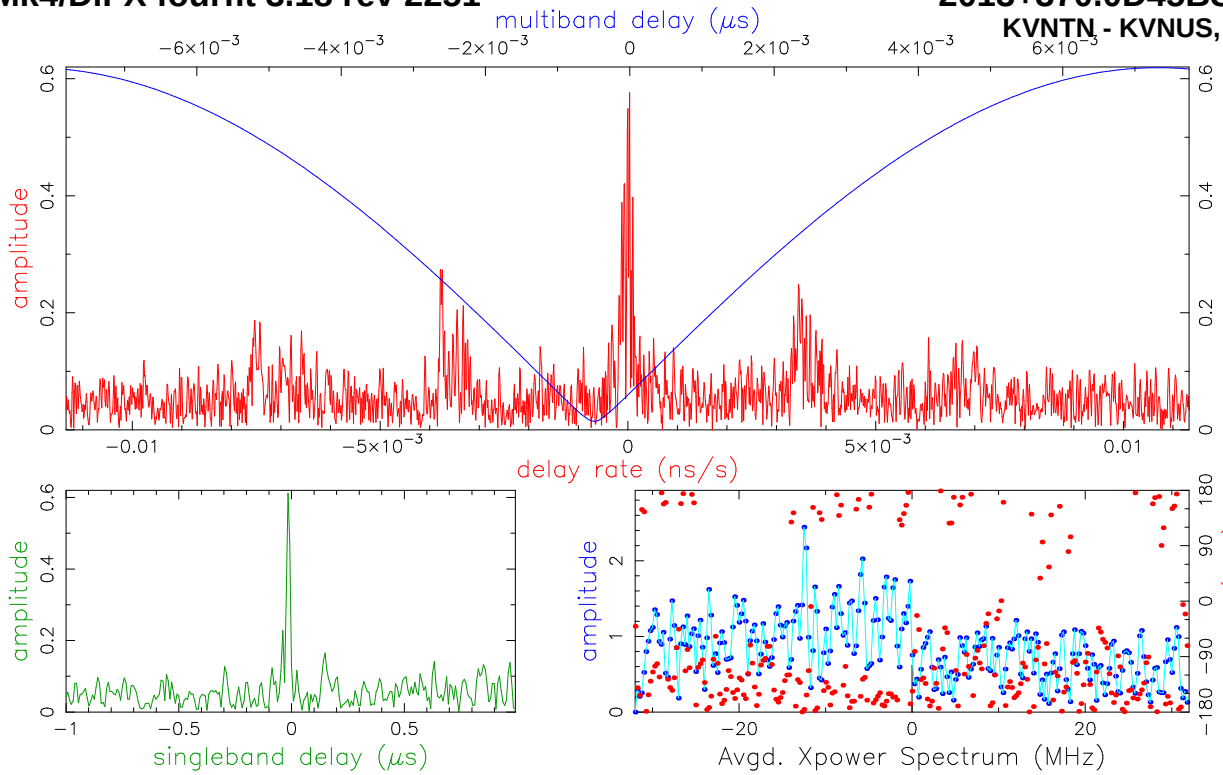
Mk4/DiFX fourfit 3.18 rev 2251

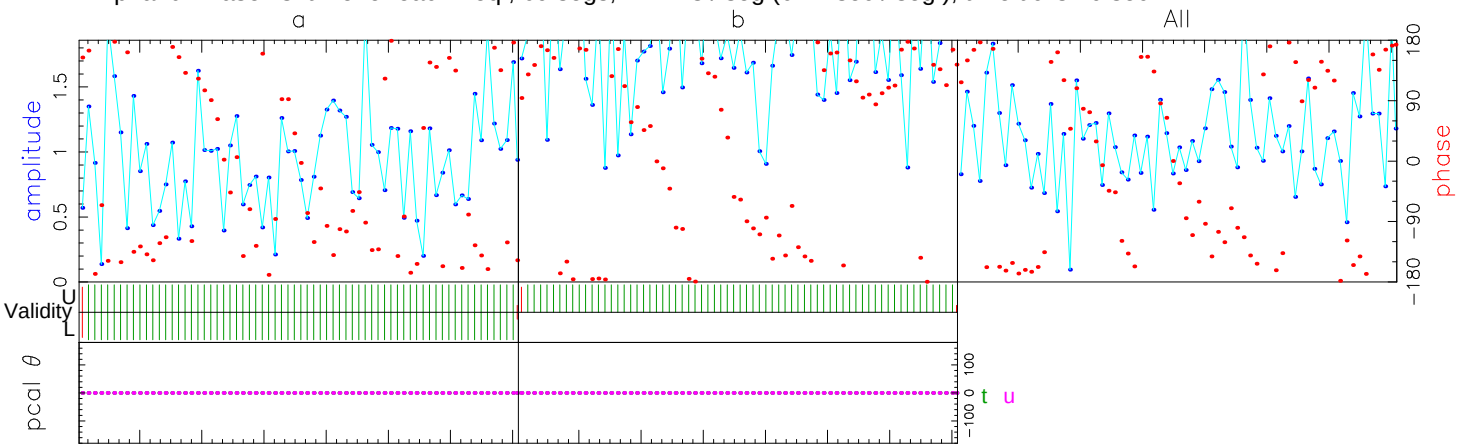
2013+370.0D45BS, No0041, tu

KVNTN - KVNUS, fgroup W, pol LR



Fringe quality	8
SNR	15.0
Int time	418.824
Amp	0.620
Phase	-85.4
PFD	4.0e-43
Delays (us)	
SBD	-0.014155
MBD	-0.005161
Fringe rate (Hz)	0.002625
Ion TEC	0.000
Ref freq (MHz)	86140.0000
AP (sec)	0.512
Exp.	c181d
Exper #	16383
Yr:day	2018:106
Start	013001.51
Stop	013700.84
FRT	013352.00
Corr/FF/build	2018:288:170722 2018:312:165901 2018:249:082454
RA & Dec (J2000)	20h15m28.7298s +37°10'59.515"

Amp. and Phase vs. time for each freq., 69 segs, 12 APs / seg (6.14 sec / seg.), time ticks 10 sec



	86156.00	86220.00	Freq (MHz)	All
	-154.6	162.7	Phase	-175.4
	0.5	0.9	Ampl.	0.6
	127.3	126.6	Sbd box	127.2
U/L	819/819	819/0	APs used	
t	0	0	PC freqs	
u	0	0	PC freqs	
t:u	0:0	0:0	PC phase	
t:u	0:0	0:0	Manl PC	
t	1000	1000	PC amp	
u	1000	1000		
t	W00UL,W00LL	W01UL	Chan ids	
			Tracks	
u	W00UR,W00LR	W01UR	Chan ids	
			Tracks	

Group delay (usec)(sbd)	3.60583821770E+02	Apriori delay (usec)	3.60604607499E+02	Resid mbdelay (usec)	-5.16073E-03	+/-	3.3E-04
Sband delay (usec)	3.60590451999E+02	Apriori clock (usec)	1.0033956E+01	Resid sbdelay (usec)	-1.41555E-02	+/-	6.9E-04
Phase delay (usec)	3.60604601842E+02	Apriori clockrate (us/s)	3.6440000E-07	Resid phdelay (usec)	-5.65641E-06	+/-	1.4E-07
Delay rate (us/s)	9.50455484309E-03	Apriori rate (us/s)	9.50452437441E-03	Resid rate (us/s)	3.04687E-08	+/-	1.0E-09
Total phase (deg)	235.0	Apriori accel (us/s/s)	-4.07876169929E-06	Resid phase (deg)	-85.4	+/-	4.4

	RMS	Theor.	Amplitude	0.620 +/- 0.041
ph/seg (deg)	70.7	31.7	Search (2048X8)	0.602
amp/seg (%)	101.3	55.3	Interp.	0.000
ph/frq (deg)	0.0	5.4	Inc. seg. avg.	0.977
amp/frq (%)	36.7	9.4	Inc. frq. avg.	0.616

Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
Pcal rate: 0.000E+00, 0.000E+00 (us/s)
Bits/sample: 2x2 SampCntNorm: enabled
Sample rate(MSamp/s): 64
Data rate(Mb/s): 384 nlags: 128 t_cohere infinite

sb window (us)	-1.000	1.000
mb window (us)	-0.008	0.008
dr window (ns/s)	-0.011	0.011
ion window (TEC)	0.00	0.00

t: az 290.1 el 50.2 pa 80.8 u: az 288.3 el 48.7 pa 75.7 u,v (fr/asec) -75.988 -471.418 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c181d/v2_pc1/1234/No0041/tu..0D45BS Output file: /Exps/c181d/v2_pc1/1234/No0041/tu.W.11.0D45BS