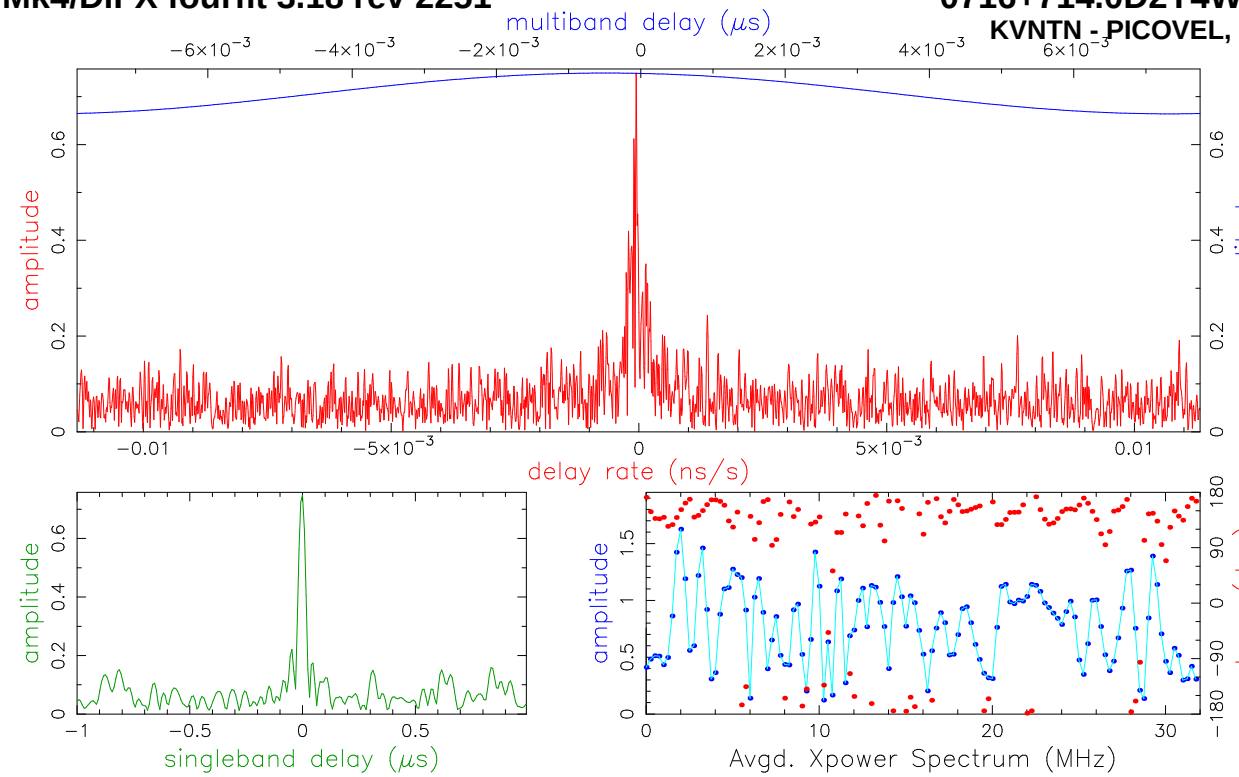
Mk4/DiFX fourfit 3.18 rev 2251

0716+714.0D2Y4W, No0159, tP

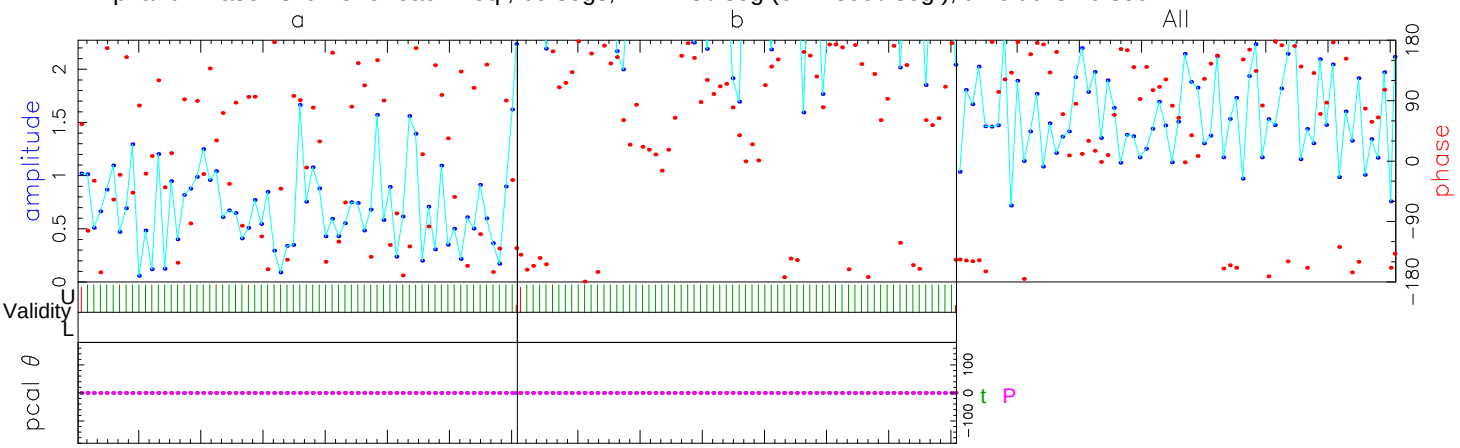
KVNTN - PICOVEL, fgroup W, pol LR



Fringe quality 7

SNR	15.0
Int time	278.232
Amp	0.758
Phase	139.8
PFD	9.1e-43
Delays (us)	
SBD	-0.002625
MBD	-0.000549
Fringe rate (Hz)	
	-0.004448
Ion TEC	0.000
Ref freq (MHz)	
	86140.0000
AP (sec)	0.512
Exp.	c181c
Exper #	16383
Yr:day	2018:105
Start	100001.51
Stop	100700.84
FRT	100331.00
Corr/FF/build	
	2018:289:003340
	2018:312:093625
	2018:249:082454
RA & Dec (J2000)	
	07h21m53.4485s
	+71°20'36.363"

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
	138.4	139.9	Phase	139.8
	0.1	1.4	Ampl.	0.7
	170.0	128.7	Sbd box	128.7
U/L	819/0	819/0	APs used	
t	0	0	PC freqs	
P	1000	1000	PC freqs	
t:P	0:0	0:0	PC phase	
t:P	0:0	0:0	Manl PC	
t	1000	1000	PC amp	
P	1000	1000		
t	W00UL,W00LL	W01UL	Chan ids	
			Tracks	
P	W01UR	W03UR	Chan ids	
			Tracks	

Group delay (usec)(sbd)	7.26307951703E+03	Apriori delay (usec)	7.26308006574E+03	Resid mbdelay (usec)	-5.48707E-04	+/-	3.3E-04
Sband delay (usec)	7.26307744074E+03	Apriori clock (usec)	7.3949385E+00	Resid sbdelay (usec)	-2.62500E-03	+/-	1.2E-03
Phase delay (usec)	7.26308007025E+03	Apriori clockrate (us/s)	2.2739999E-07	Resid phdelay (usec)	4.50793E-06	+/-	2.5E-07
Delay rate (us/s)	-4.15559124294E-01	Apriori rate (us/s)	-4.15559072652E-01	Resid rate (us/s)	-5.16425E-08	+/-	1.5E-09
Total phase (deg)	90.4	Apriori accel (us/s/s)	-4.43617398809E-05	Resid phase (deg)	139.8	+/-	7.7

	RMS	Theor.		
			Amplitude	0.758 +/- 0.051
ph/seg (deg)	64.9	31.8	Search (2048X8)	0.724
amp/seg (%)	117.6	55.5	Interp.	0.000
ph/frq (deg)	0.0	5.4	Inc. seg. avg.	1.349
amp/frq (%)	87.6	9.4	Inc. frq. avg.	0.746

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): 256 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 355.4 el 51.7 pa 168.7 P: az 17.8 el 26.1 pa -51.0 u,v (fr/asec) 7314.395 -10524.074 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c181c/v2_pc1/1234/No0159/tP..0D2Y4W Output file: /Exps/c181c/v2_pc1/1234/No0159/tP.W.19.0D2Y4W