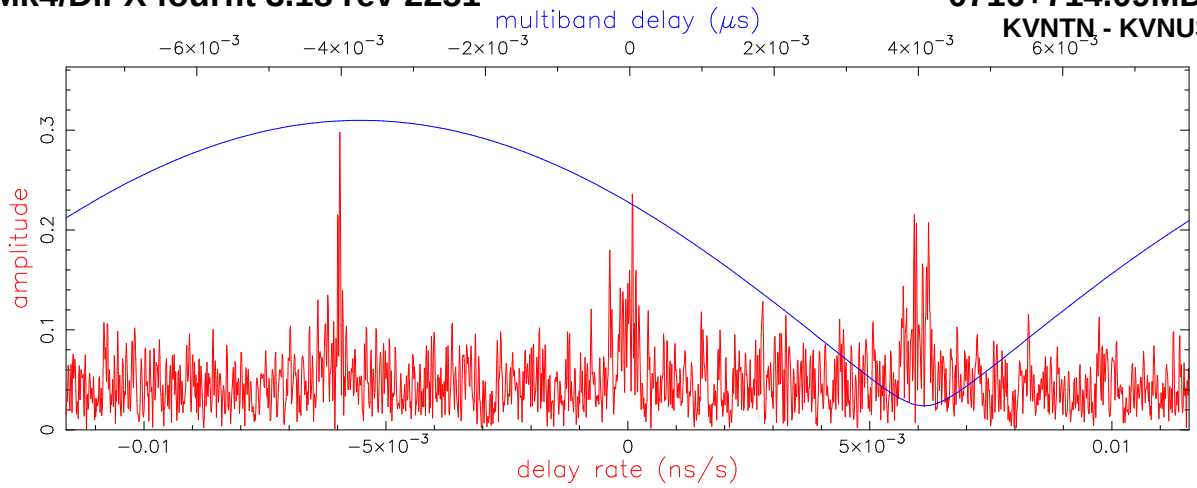
Mk4/DiFX fourfit 3.18 rev 2251

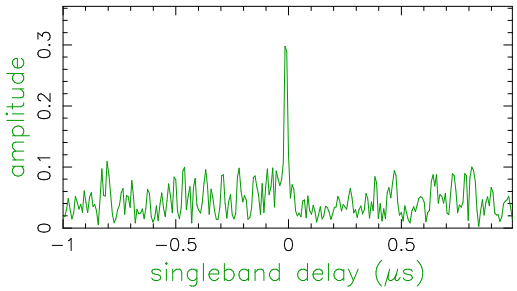
0716+714.09MD8I, No0077, tu

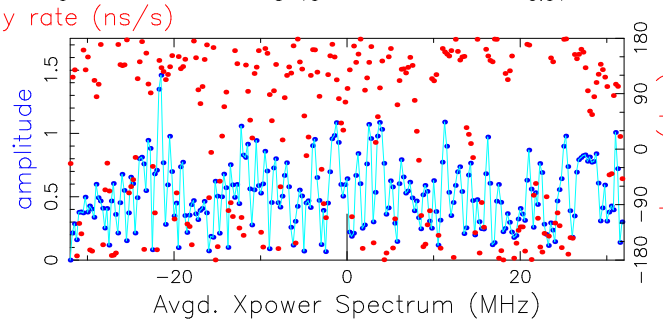
KVNTN - KVNUS, fgroup W, pol LR



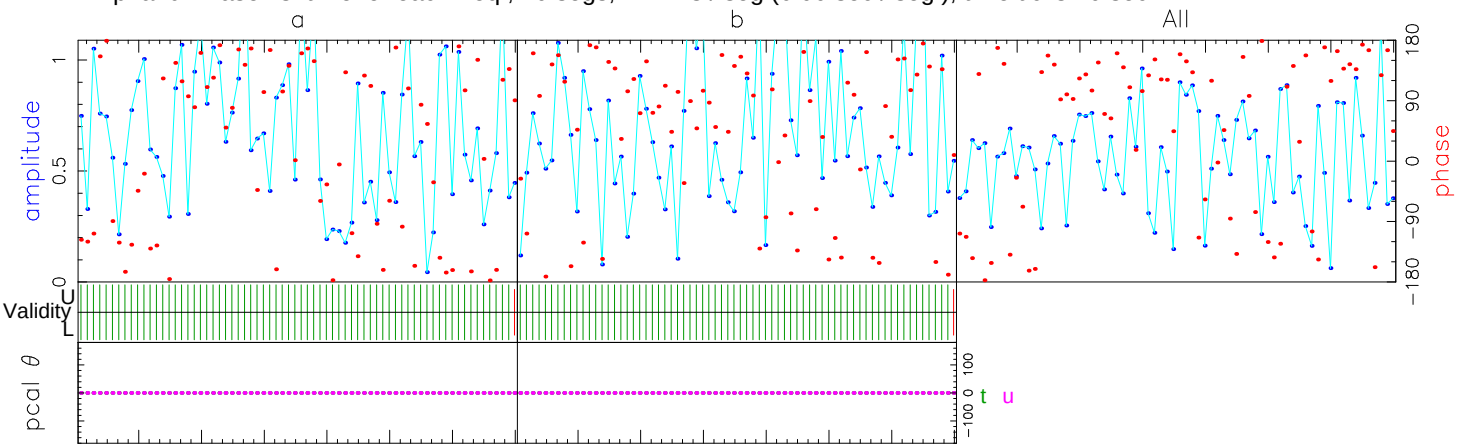
Fringe quality 9

SNR	9.1
Int time	418.990
Amp	0.363
Phase	239.7
PFD	4.3e-12
Delays (us)	
SBD	-0.012040
MBD	-0.002342
Fringe rate (Hz)	-0.512555
Ion TEC	0.000
Ref freq (MHz)	86140.0000
AP (sec)	0.500
Exp.	c181e
Exper #	16383
Yr:day	2018:106
Start	161502.00
Stop	162201.00
FRT	161831.00
Corr/FF/build	2018:244:104340
	2018:244:164133
	2018:095:094034
RA & Dec (J2000)	07h21m53.4485s
	+71°20'36.363"





Amp. and Phase vs. time for each freq., 70 segs, 12 APs / seg (6.00 sec / seg.), time ticks 10 sec



	86156.00	86220.00	Freq (MHz)	All
	164.5	132.4	Phase	149.7
	0.4	0.3	Ampl.	0.3
	127.7	127.3	Sbd box	127.5
U/L	838/838	838/838	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,W01LL	Chan ids	
			Tracks	
u	W00UR,W00LR	W01UR,W01LR	Chan ids	
			Tracks	

Group delay (usec)(sbd)	-4.21248666833E+02	Apriori delay (usec)	-4.21230699377E+02	Resid mbdelay (usec)	-2.34246E-03	+/-	5.5E-04
Sband delay (usec)	-4.21242739877E+02	Apriori clock (usec)	1.0047212E+01	Resid sbdelay (usec)	-1.20405E-02	+/-	9.5E-04
Phase delay (usec)	-4.21230694549E+02	Apriori clockrate (us/s)	3.6440000E-07	Resid phdelay (usec)	4.82824E-06	+/-	2.0E-07
Delay rate (us/s)	-1.62042528970E-02	Apriori rate (us/s)	-1.61983026416E-02	Resid rate (us/s)	-5.95026E-06	+/-	1.7E-09
Total phase (deg)	79.8	Apriori accel (us/s/s)	-1.17364595178E-06	Resid phase (deg)	239.7	+/-	6.3

	RMS	Theor.	Amplitude	0.363 +/- 0.040
ph/seg (deg)	68.6	52.7	Search (2048X8)	0.304
amp/seg (%)	101.1	91.9	Interp.	0.000
ph/frq (deg)	0.0	8.9	Inc. seg. avg.	0.442
amp/frq (%)	8.8	15.5	Inc. frq. avg.	0.342

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): 512 nlags: 128 t_cohere infinite

sb window (us)	-1.000	1.000
mb window (us)	-0.008	0.008
dr window (ns/s)	-0.012	0.012
ion window (TEC)	0.00	0.00

t: az 339.5 el 27.1 pa 67.3 u: az 339.5 el 28.5 pa 62.2 u,v (fr/asec) 285.698 -368.532 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c181e/v2/1234/No0077/tu..09MD8I Output file: /Exps/c181e/v2/1234/No0077/tu.W.39.09MD8I