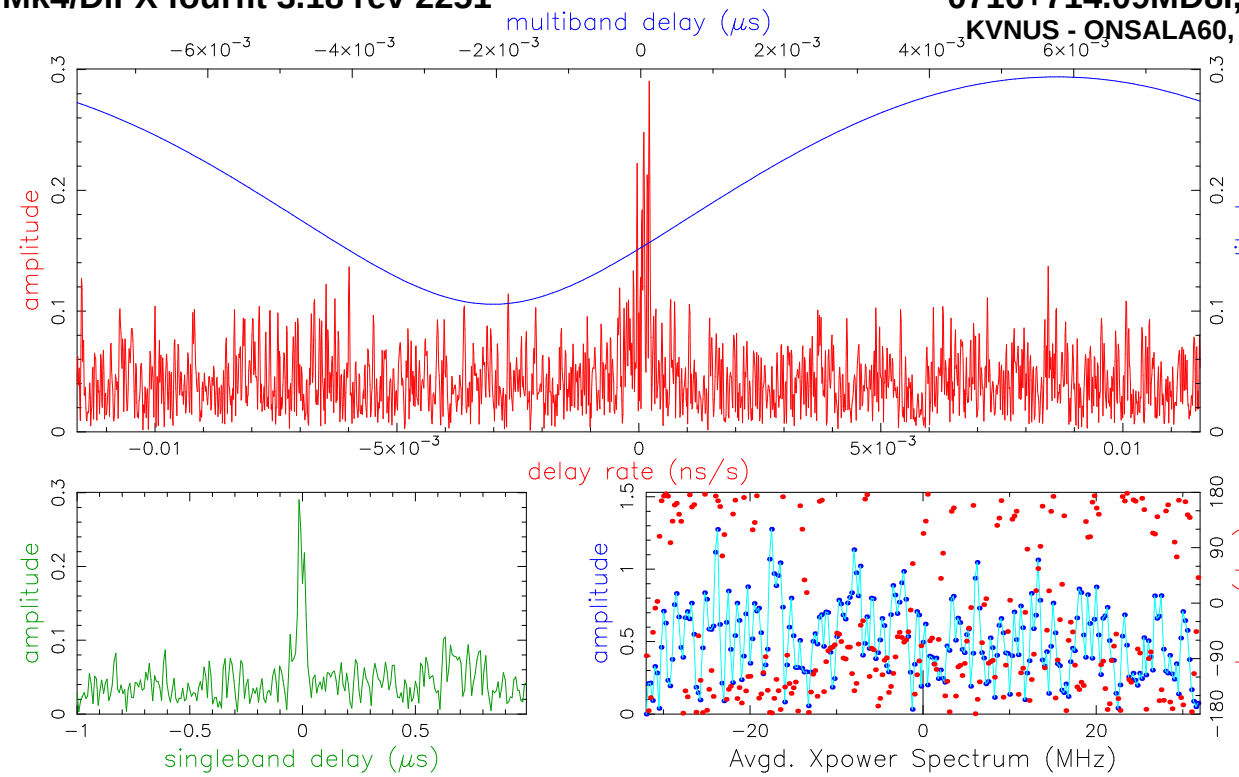
Mk4/DiFX fourfit 3.18 rev 2251

0716+714.09MD8I, No0077, uX

KVNUS - ONSALA60, fgroup W, pol LL

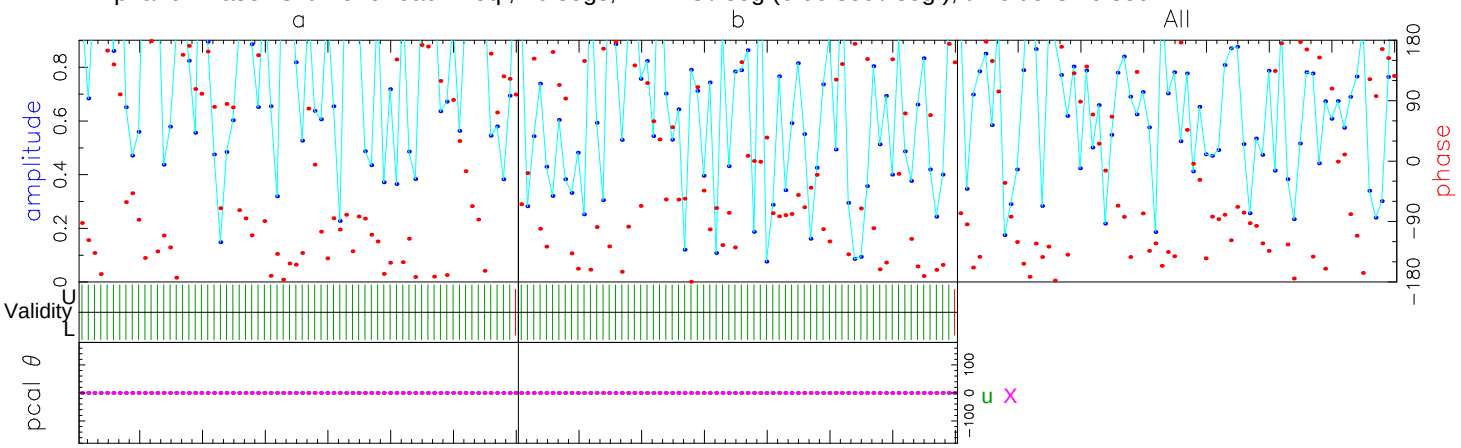


Fringe quality 9

SNR 8.4
Int time 418.990
Amp 0.300
Phase -59.2
PFD 1.9e-09
Delays (us)
SBD -0.013334
MBD 0.004915
Fringe rate (Hz)
0.018376
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
2018:244:164143
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
	-155.4	-135.9	Phase	-149.2
	0.4	0.2	Ampl.	0.3
	128.9	126.9	Sbd box	127.3
U/L	838/838	838/838	APs used	
u	0	0	PC freqs	
X	-1000	-1000	PC freqs	
u:X	0:0	0:0	PC phase	
u:X	0:0	0:0	Manl PC	
u	1000	1000	PC amp	
X	1000	1000		
u	W00UL,W00LL	W01UL,W01LL	Chan ids	
			Tracks	
X	W00UL,W00LL	W02UL,W02LL	Chan ids	
			Tracks	

Group delay (usec)(sbd)	-1.05825397413E+04	Apriori delay (usec)	-1.05825290315E+04	Resid mbdelay (usec)	4.91522E-03	+/-	5.9E-04
Sband delay (usec)	-1.05825423655E+04	Apriori clock (usec)	-1.4875750E+01	Resid sbdelay (usec)	-1.33340E-02	+/-	1.0E-03
Phase delay (usec)	-1.05825290363E+04	Apriori clockrate (us/s)	-4.7000002E-07	Resid phdelay (usec)	-4.81042E-06	+/-	2.2E-07
Delay rate (us/s)	-4.30940942601E-01	Apriori rate (us/s)	-4.30941155924E-01	Resid rate (us/s)	2.13324E-07	+/-	1.8E-09
Total phase (deg)	22.7	Apriori accel (us/s/s)	2.82608016151E-05	Resid phase (deg)	-59.2	+/-	6.8

	RMS	Theor.					
			Amplitude	0.300 +/- 0.036	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	
ph/seg (deg)	75.3	57.0	Search (2048X8)	0.287	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000
amp/seg (%)	139.1	99.5	Interp.	0.000	Bits/sample: 2x2 SampCntNorm: enabled	mb window (us)	-0.008 0.008
ph/frq (deg)	0.0	9.6	Inc. seg. avg.	0.427	Sample rate(MSamp/s): 64	dr window (ns/s)	-0.012 0.012
amp/frq (%)	35.2	16.8	Inc. frq. avg.	0.290	Data rate(Mb/s): 512 nlags: 128 t_cohere infinite	ion window (TEC)	0.00 0.00

u: az 339.5 el 28.5 pa 62.2 X: az 13.8 el 75.4 pa -158.7 u,v (fr/asec) 7808.063 5713.875 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c181e/v2/1234/No0077/uX..09MD8I Output file: /Exps/c181e/v2/1234/No0077/uX.W.57.09MD8I