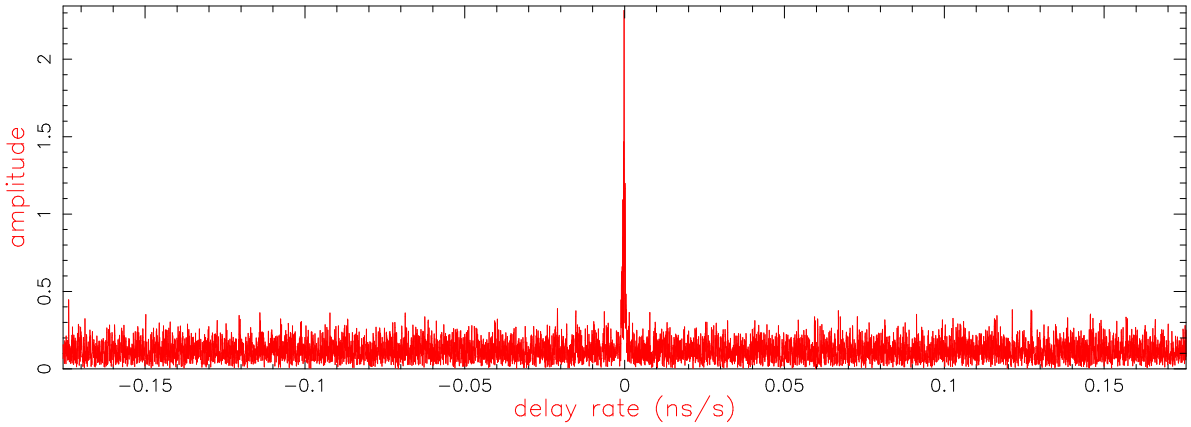
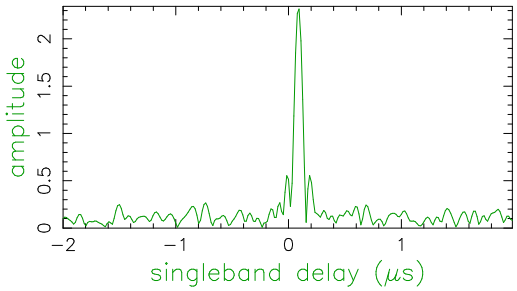
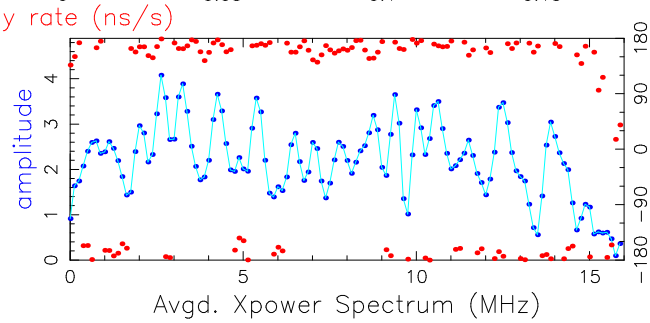
Mk4/DiFX fourfit 3.20 rev 0

0716+714.0N1FHG, No0003, GX

GBT_VLBA - GBTS, fgroup K, pol LL



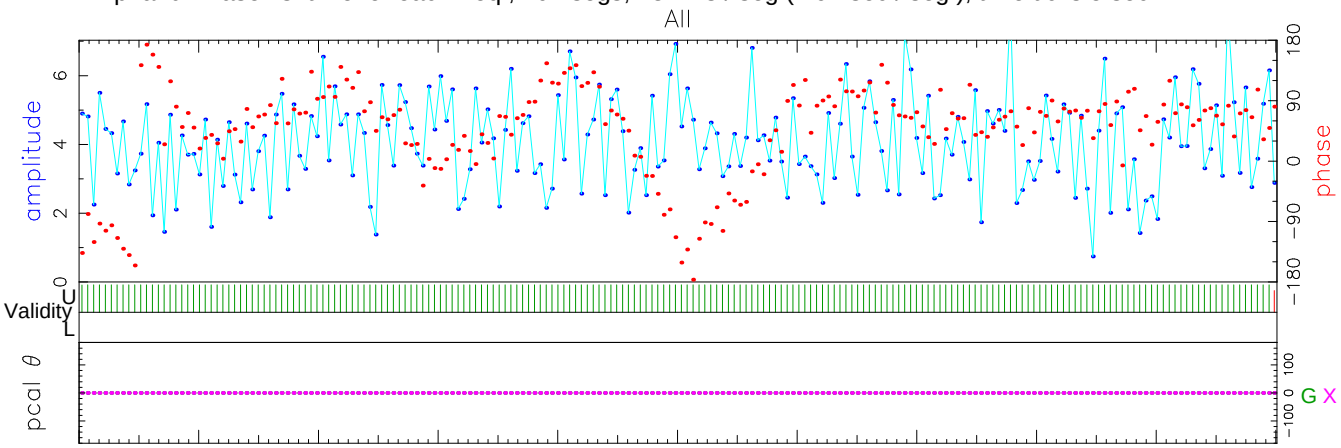




Fringe quality 9

SNR	23.6
Int time	599.935
Amp	2.344
Phase	67.0
PFD	0.0e+00
Delays (us)	
SBD	0.087782
MBD	-0.000027
Fringe rate (Hz)	-0.003843
Ion TEC	0.000
Ref freq (MHz)	22236.0000
AP (sec)	0.128
Exp.	rk18cj
Exper #	16383
Yr:day	2017:292
Start	091500.00
Stop	092500.06
FRT	092215.00
Corr/FF/build	2019:140:130956 2019:140:130959 2019:088:093542
RA & Dec (J2000)	07h21m53.448475s +71°20'36.363400"

Amp. and Phase vs. time for each freq., 204 segs, 23 APs / seg (2.94 sec / seg.), time ticks 5 sec



	22236.00	Freq (MHz)
	67.0	Phase
	2.3	Ampl.
	134.6	Sbd box
U/L	4688/0	APs used
G	0	PC freqs
X	0	PC freqs
G:X	0:0	PC phase
G:X	0:0	Manl PC
G	1000	PC amp
X	1000	
G	K00UL,K00LL	Chan ids
X	K00UL,K00LL	Chan ids

Group delay (usec)(sbd)	6.17465874389E+04	Apriori delay (usec)	6.17464996358E+04	Resid mbdelay (usec)	-2.74852E-05	+/-	1.5E-03
Sband delay (usec)	6.17465874178E+04	Apriori clock (usec)	-1.7213985E+01	Resid sbdelay (usec)	8.77820E-02	+/-	1.5E-03
Phase delay (usec)	6.17464996442E+04	Apriori clockrate (us/s)	-3.2149800E-05	Resid phdelay (usec)	8.36866E-06	+/-	6.1E-07
Delay rate (us/s)	-1.80108951863E+00	Apriori rate (us/s)	-1.80108934581E+00	Resid rate (us/s)	-1.72823E-07	+/-	1.8E-09
Total phase (deg)	31.7	Apriori accel (us/s/s)	1.04750908860E-05	Resid phase (deg)	67.0	+/-	4.9

	RMS	Theor.	Amplitude	2.344 +/- 0.099
ph/seg (deg)	65.7	34.7	Search (8192X8)	2.313
amp/seg (%)	93.5	60.5	Interp.	0.000
ph/frq (deg)	0.0	2.4	Inc. seg. avg.	3.449
amp/frq (%)	1.2	4.2	Inc. frq. avg.	2.313

Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
Pcal rate: 0.000E+00, 0.000E+00 (us/s)
Bits/sample: 2x1 SampCntNorm: disabled
Sample rate(MSamp/s): 32
Data rate(Mb/s): 45 nlags: 128 t_cohere infinite

sb window (us)	-2.000	2.000
mb window (us)	-0.000	0.000
dr window (ns/s)	-0.176	0.176
ion window (TEC)	0.00	0.00

G: az 13.1 el 54.9 pa -146.6 X: az 0.0 el 90.0 pa -180.0 u,v (fr/asec) 14393.254 21929.429 simultaneous interpolator

Control file: cf_1234 Input file: /Exps2/rk18cj/v5/1234/No0003/GX..0N1FHG Output file: /Exps2/rk18cj/v5/1234/No0003/GX.K.1.0N1FHG