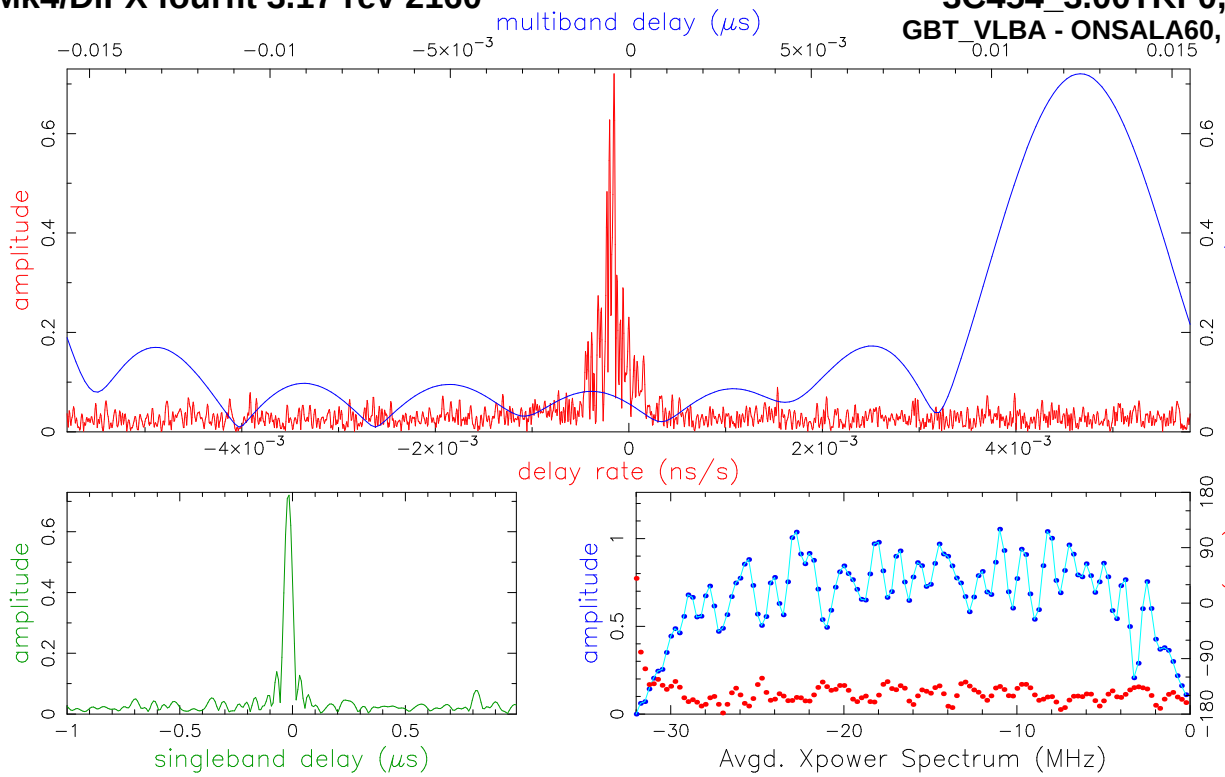
Mk4/DiFX fourfit 3.17 rev 2160

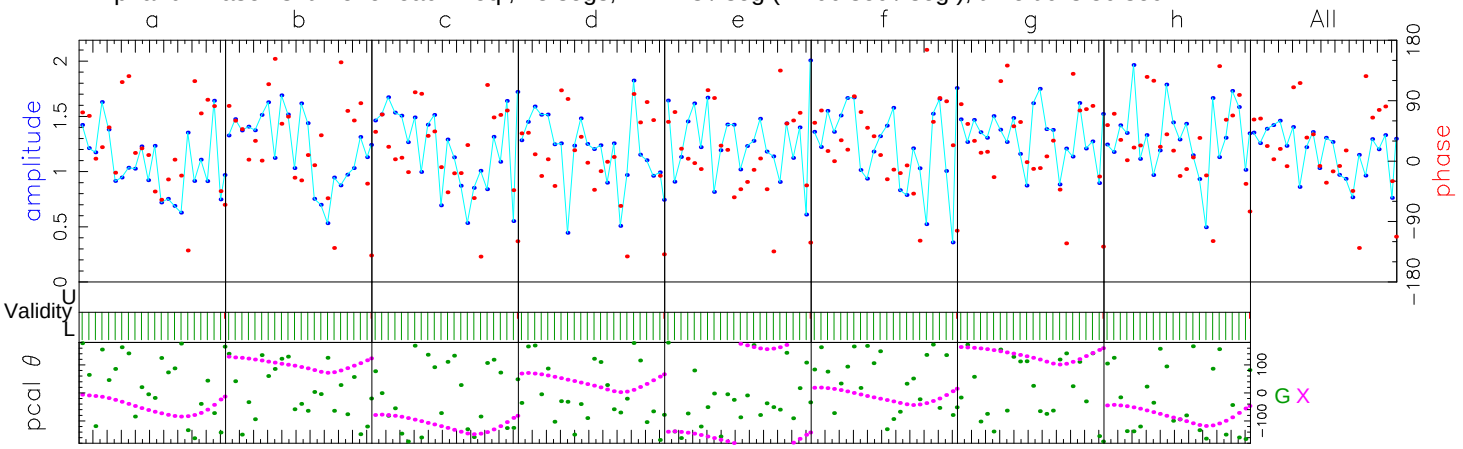
3C454_3.00TKF0, No0231, GX

GBT_VLBA - ONSALA60, fgroup W, pol RL



Fringe quality	7
SNR	34.6
Int time	599.965
Amp	0.730
Phase	210.8
PFD	0.0e+00
Delays (us)	
SBD	-0.018770
MBD	0.012455
Fringe rate (Hz)	
	-0.013377
Ion TEC	0.000
Ref freq (MHz)	
	86140.0000
AP (sec)	1.000
Exp.	c172c
Exper #	16383
Yr:day	2017:274
Start	000001.00
Stop	001001.00
FRT	000501.00
Corr/FF/build	
	2018:021:004909
	2018:074:020722
	2018:058:134248
RA & Dec (J2000)	
	22h53m57.7479s
	+16°08'53.561"

Amp. and Phase vs. time for each freq., 23 segs, 27 APs / seg (27.00 sec / seg.), time ticks 30 sec



	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	33.9	41.5	30.7	19.9	17.5	31.0	37.3	35.5	Phase	30.8
	0.6	0.7	0.7	0.8	0.7	0.8	0.8	0.8	Ampl.	0.7
	126.3	126.6	126.3	126.9	127.1	126.9	126.5	126.5	Sbd box	126.6
U/L	0/600	0/600	0/600	0/600	0/600	0/600	0/600	0/600	APs used	
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
X	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G:X	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:X	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
G	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
X	1000	1000	1000	1000	1000	1000	1000	1000		
G	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids Tracks	
X	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids Tracks	

Group delay (usec)(sbd)	-7.66830359039E+01	Apriori delay (usec)	-7.66642412534E+01	Resid mbdelay (usec)	1.24553E-02	+/- 6.3E-05
Sband delay (usec)	-7.66830112534E+01	Apriori clock (usec)	-1.9712730E+01	Resid sbdelay (usec)	-1.87700E-02	+/- 5.0E-04
Phase delay (usec)	-7.66642402602E+01	Apriori clockrate (us/s)	-1.4399999E-07	Resid phdelay (usec)	9.93171E-07	+/- 1.1E-07
Delay rate (us/s)	1.43595596168E+00	Apriori rate (us/s)	1.43595611698E+00	Resid rate (us/s)	-1.55298E-07	+/- 3.1E-10
Total phase (deg)	-56.2	Apriori accel (us/s/s)	-6.67398917903E-06	Resid phase (deg)	210.8	+/- 3.3

	RMS	Theor.						
			Amplitude	0.730 +/- 0.021	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5		
ph/seg (deg)	60.7	7.9	Search (2048X32)	0.700	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-1.000 1.000
amp/seg (%)	68.2	13.9	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	mb window (us)	-0.016 0.016
ph/frq (deg)	9.0	4.7	Inc. seg. avg.	1.170	Sample rate(MSamp/s): 64		dr window (ns/s)	-0.006 0.006
amp/frq (%)	9.6	8.2	Inc. frq. avg.	0.725	Data rate(Mb/s): 1024	nlags: 128 t_cohere infinite	ion window (TEC)	0.00 0.00

G: az 99.9 el 38.3 pa -53.2 X: az 230.7 el 40.0 pa 25.8 u,v (fr/asec) -8576.708 -1976.869 simultaneous interpolator

Control file: cf_1234 Input file: /Exps/c172c/v3_v1_merge/1234/No0231/GX..00TKF0 Output file: /Exps/c172c/v3_v1_merge/1234/No0231/GX.W.76.00TKF0