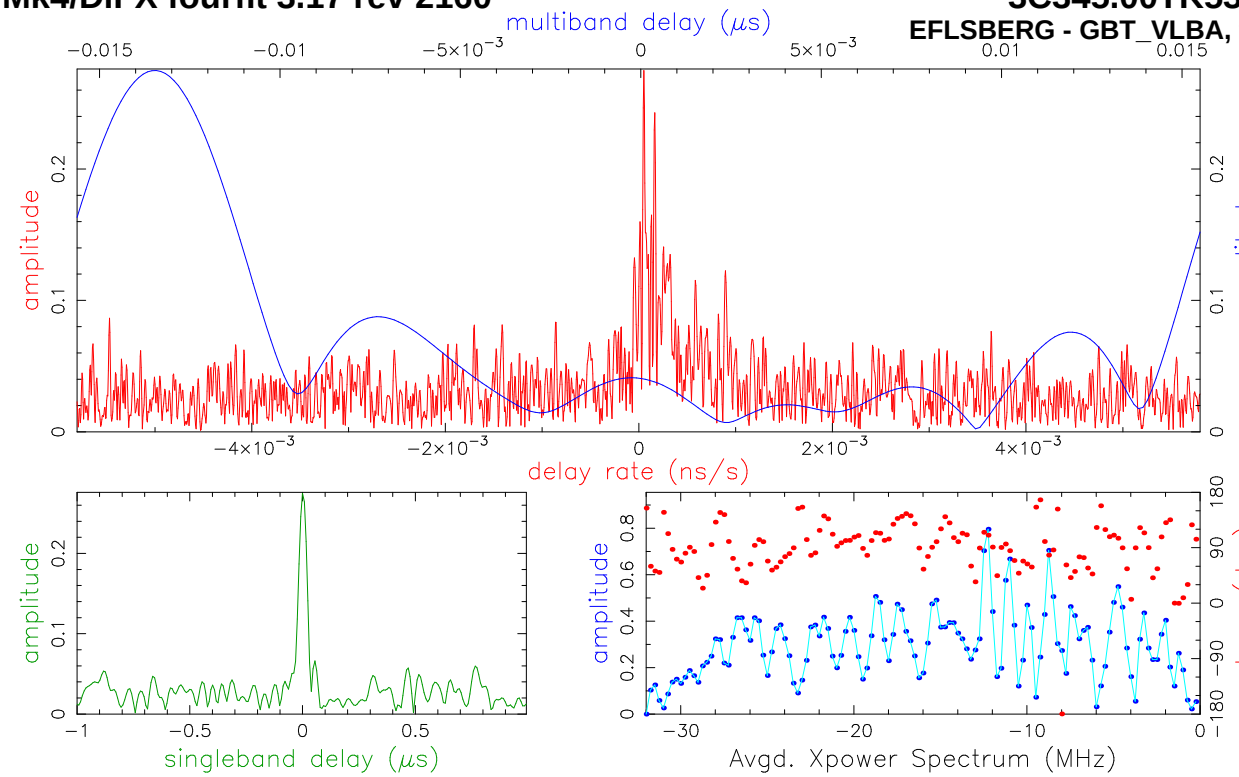
Mk4/DiFX fourfit 3.17 rev 2160

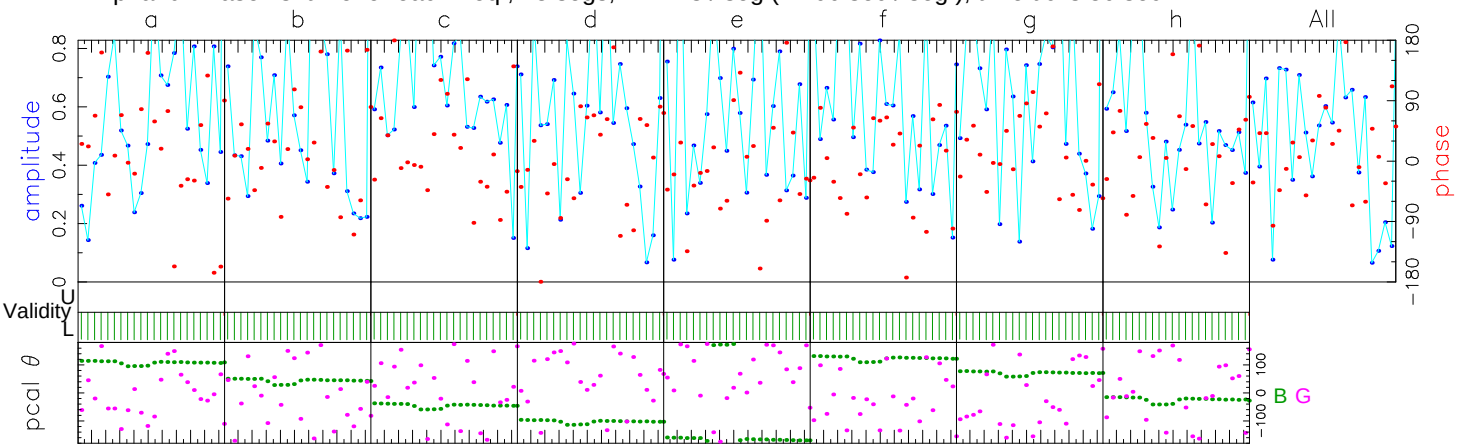
3C345.00TK53, No0206, BG

EFLSBERG - GBT_VLBA, fgroup W, pol RL



Fringe quality	9
SNR	13.0
Int time	596.459
Amp	0.276
Phase	6.2
PFD	2.0e-30
Delays (us)	
SBD	0.001850
MBD	-0.013454
Fringe rate (Hz)	
	0.004177
Ion TEC	0.000
Ref freq (MHz)	
	86140.0000
AP (sec)	1.000
Exp.	c172c
Exper #	16383
Yr:day	2017:273
Start	210003.00
Stop	211000.00
FRT	210500.00
Corr/FF/build	
	2018:020:190853
	2018:074:002239
	2018:058:134248
RA & Dec (J2000)	
	16h42m58.8100s
	+39°48'36.994"

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
	27.4	2.8	2.5	15.2	-13.2	-3.9	11.8	15.5	Phase	6.2
	0.2	0.3	0.4	0.2	0.2	0.3	0.4	0.3	Ampl.	0.3
	128.4	129.6	129.2	128.7	129.1	129.3	129.4	129.8	Sbd box	129.2
U/L	0/597	0/597	0/597	0/597	0/597	0/597	0/597	0/597	APs used	
B	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
B:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
B:G	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
G	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids Tracks	
G	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids Tracks	

Group delay (usec)(sbd)	-9.25837683469E+03	Apriori delay (usec)	-9.25836338106E+03	Resid mbdelay (usec)	-1.34536E-02	+/-	1.7E-04
Sband delay (usec)	-9.25836153106E+03	Apriori clock (usec)	4.0003132E+01	Resid sbdelay (usec)	1.85000E-03	+/-	1.3E-03
Phase delay (usec)	-9.25836338086E+03	Apriori clockrate (us/s)	-2.3900001E-07	Resid phdelay (usec)	2.00973E-07	+/-	2.8E-07
Delay rate (us/s)	-8.28496501382E-01	Apriori rate (us/s)	-8.28496549876E-01	Resid rate (us/s)	4.84934E-08	+/-	8.2E-10
Total phase (deg)	-225.9	Apriori accel (us/s/s)	6.03025183024E-05	Resid phase (deg)	6.2	+/-	8.8

	RMS	Theor.	Amplitude	0.276 +/- 0.021
ph/seg (deg)	64.0	21.1	Search (2048X32)	0.268
amp/seg (%)	114.1	36.8	Interp.	0.000
ph/frq (deg)	13.8	12.4	Inc. seg. avg.	0.451
amp/frq (%)	23.7	21.7	Inc. frq. avg.	0.273

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): 1024 nlags: 128 t_cohere infinite

sb window (us)	-1.000	1.000
mb window (us)	-0.016	0.016
dr window (ns/s)	-0.006	0.006
ion window (TEC)	0.00	0.00

B: az 292.3 el 34.9 pa 50.0 G: az 71.8 el 85.2 pa -109.1 u,v (fr/asec) 6318.062 4867.301 simultaneous interpolator

Control file: cf_1234 Input file: /Exps/c172c/v3_v1_merge/1234/No0206/BG..00TK53 Output file: /Exps/c172c/v3_v1_merge/1234/No0206/BG.W.276.00TK53