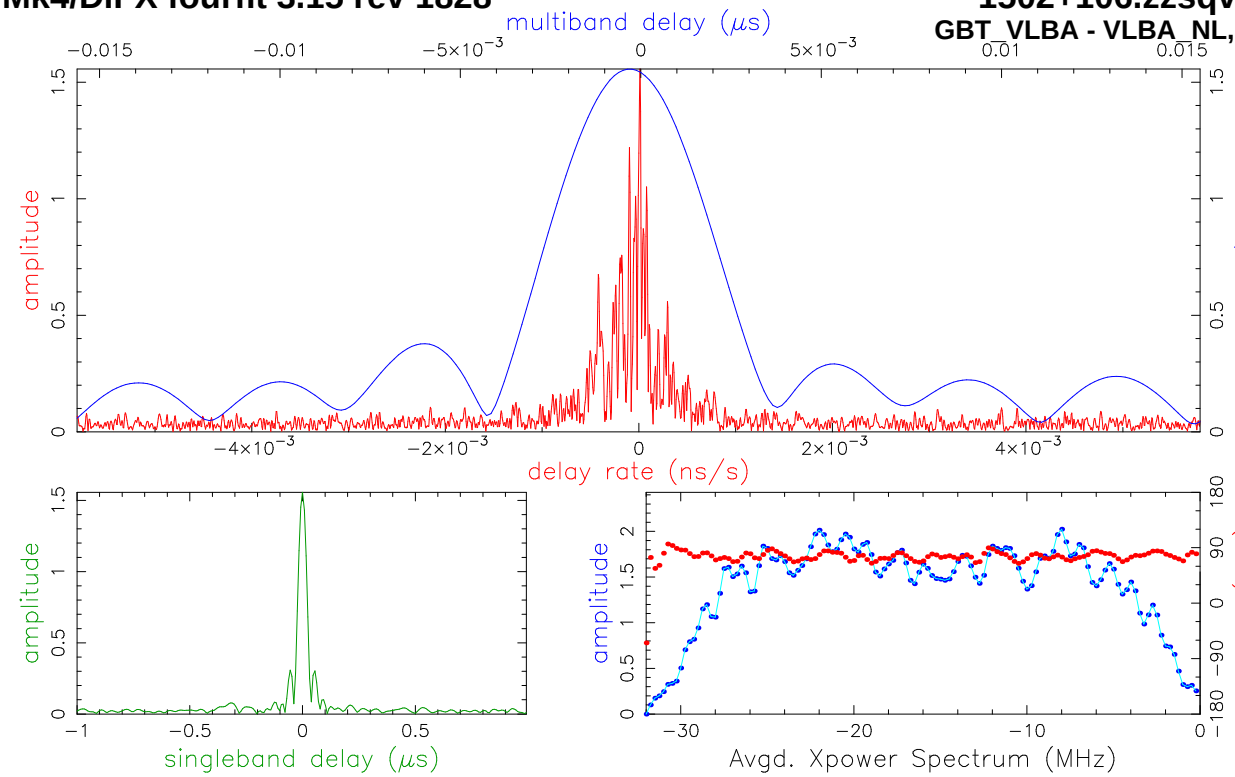
Mk4/DiFX fourfit 3.15 rev 1828

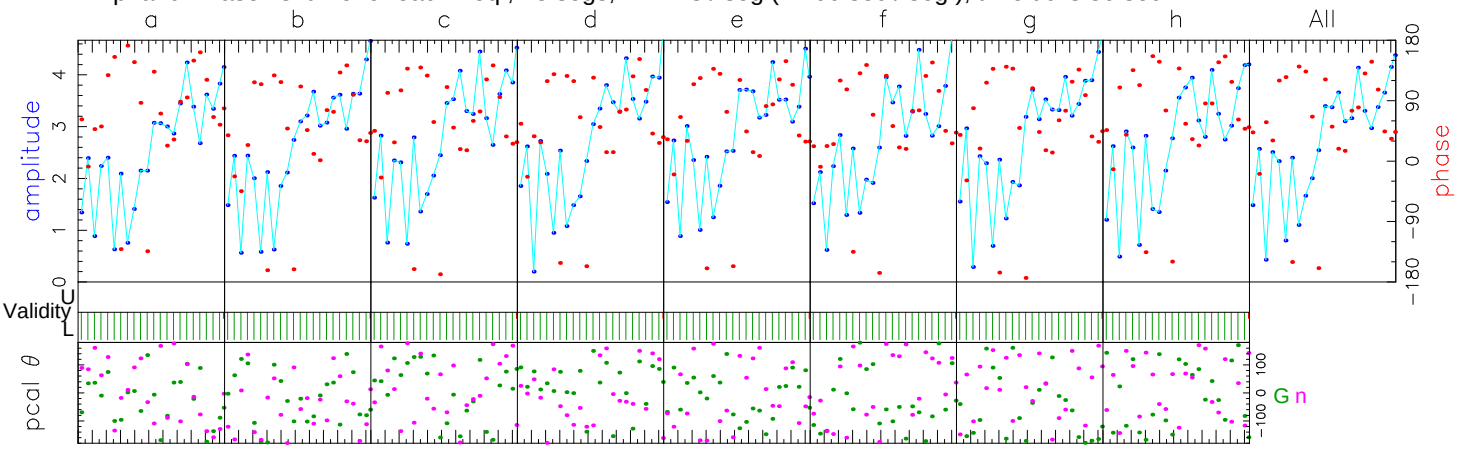
1502+106.zzsqvl, No0046, Gn

GBT_VLBA - VLBA_NL, fgroup W, pol LL



Fringe quality	5
SNR	73.7
Int time	599.848
Amp	1.557
Phase	76.4
PFD	0.0e+00
Delays (us)	
SBD	-0.000367
MBD	-0.000308
Fringe rate (Hz)	
	0.000926
Ion TEC	0.000
Ref freq (MHz)	
	86140.0000
AP (sec)	1.000
Exp.	c172b
Exper #	16383
Yr:day	2017:272
Start	200000.00
Stop	201000.00
FRT	200500.00
Corr/FF/build	
	2018:047:110446
	2018:051:185930
	2017:188:152524
RA & Dec (J2000)	
	15h04m24.9798s
	+10°29'39.199"

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
	92.4	67.9	69.5	72.5	75.6	75.9	71.2	87.1	Phase	76.4
	1.5	1.5	1.7	1.5	1.6	1.6	1.6	1.5	Ampl.	1.6
	128.7	128.9	129.0	128.9	129.2	128.9	129.0	129.1	Sbd box	129.0
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	
n	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G:n	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:n	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	
n	1000	1000	1000	1000	1000	1000	1000	1000		
G	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
									Tracks	
n	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
									Tracks	

Group delay (usec)(sbd)	7.01125423844E+02	Apriori delay (usec)	7.01125731574E+02	Resid mbdelay (usec)	-3.07730E-04	+/-	2.9E-05
Sband delay (usec)	7.01125364574E+02	Apriori clock (usec)	-2.2178505E+01	Resid sbdelay (usec)	-3.67000E-04	+/-	2.3E-04
Phase delay (usec)	7.01125734036E+02	Apriori clockrate (us/s)	-1.6000000E-07	Resid phdelay (usec)	2.46215E-06	+/-	5.0E-08
Delay rate (us/s)	-2.36720162551E-01	Apriori rate (us/s)	-2.36720173307E-01	Resid rate (us/s)	1.07554E-08	+/-	1.4E-10
Total phase (deg)	262.7	Apriori accel (us/s/s)	-4.75546780489E-06	Resid phase (deg)	76.4	+/-	1.6

	RMS	Theor.						
			Amplitude	1.557 +/- 0.021	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5		
ph/seg (deg)	59.8	3.7	Search (2048X32)	1.538	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-1.000 1.000
amp/seg (%)	96.9	6.5	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	mb window (us)	-0.016 0.016
ph/frq (deg)	9.4	2.2	Inc. seg. avg.	2.656	Sample rate(MSamp/s): 64		dr window (ns/s)	-0.006 0.006
amp/frq (%)	4.5	3.8	Inc. frq. avg.	1.571	Data rate(Mb/s): 1024	nlags: 128 t_cohere infinite	ion window (TEC)	0.00 0.00

G: az 185.5 el 61.9 pa 5.9 n: az 163.1 el 57.7 pa -12.1 u,v (fr/asec) 1369.326 -463.868 simultaneous interpolator

Control file: cf_1234 Input file: /Exps/c172b/v2_v1_merge/merged/1234/No0046/Gn..zzsqvl Output file: /Exps/c172b/v2_v1_merge/merged/1234/No0046/Gn.W.73.zzsqvl