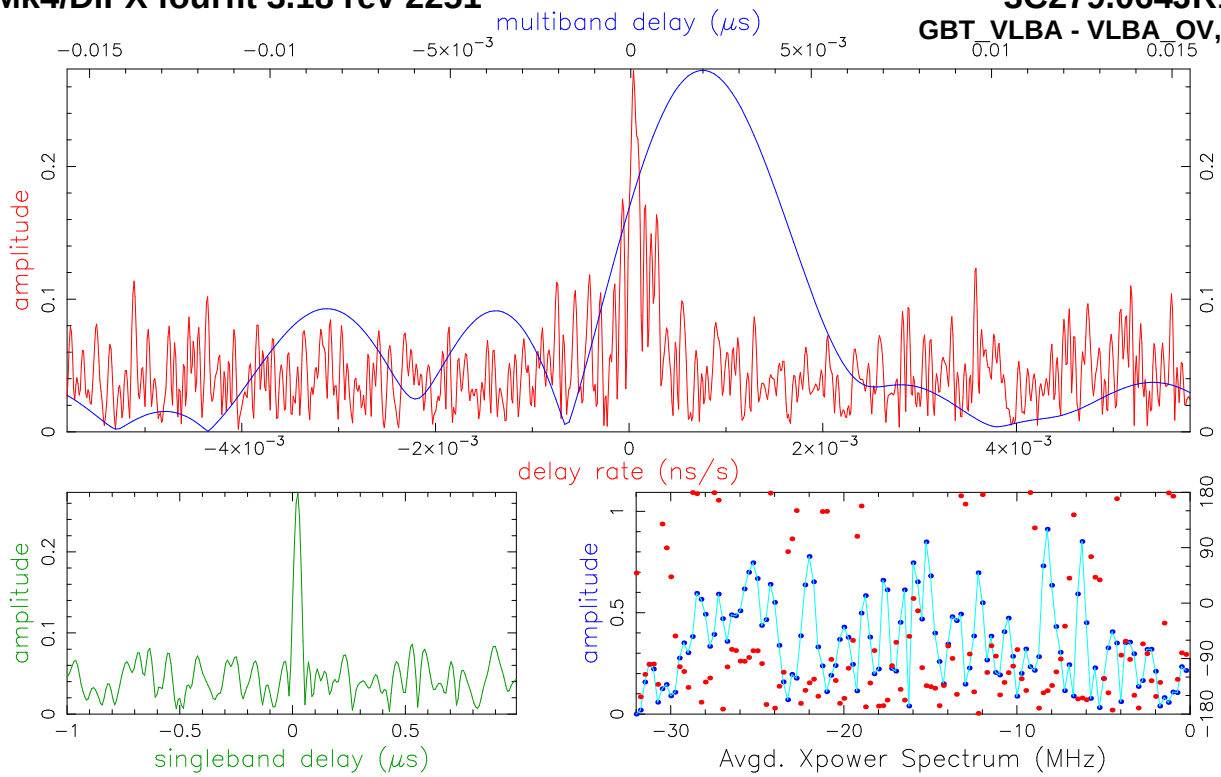
Mk4/DiFX fourfit 3.18 rev 2251

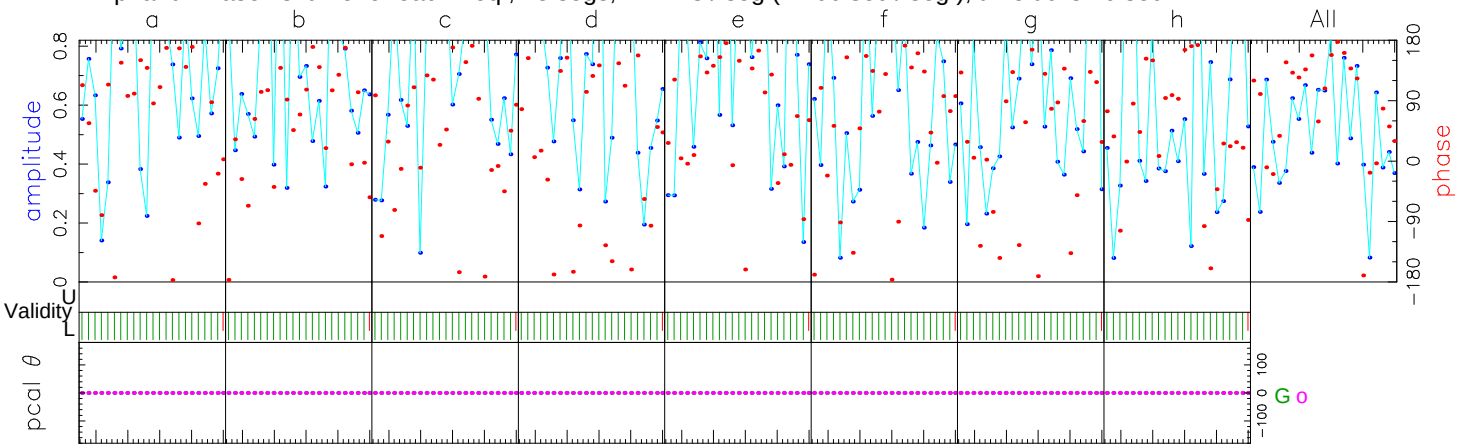
3C279.064JR1, No0039, Go

GBT_VLBA - VLBA_OV, fgroup W, pol RL



Fringe quality	9
SNR	8.7
Int time	271.991
Amp	0.273
Phase	-67.1
PFD	2.6e-10
Delays (us)	
SBD	0.021776
MBD	0.002017
Fringe rate (Hz)	0.004381
Ion TEC	0.000
Ref freq (MHz)	86140.0000
AP (sec)	1.000
Exp.	c181a
Exper #	16383
Yr:day	2018:103
Start	040228.00
Stop	040700.00
FRT	040330.00
Corr/FF/build	2018:176:180227
	2018:176:180445
	2018:095:094034
RA & Dec (J2000)	12h56m11.1666s
	-5°47'21.525"

Amp. and Phase vs. time for each freq., 23 segs, 12 APs / seg (12.00 sec / seg.), time ticks 10 sec



									Freq (MHz)	All
	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00		
	121.8	96.7	97.7	133.3	113.8	124.3	124.1	77.1	Phase	112.9
	0.3	0.4	0.3	0.4	0.3	0.2	0.3	0.2	Ampl.	0.3
	246.4	131.5	141.6	132.0	72.2	13.7	132.6	252.7	Sbd box	131.8
U/L	0/272	0/272	0/272	0/272	0/272	0/272	0/272	0/272	APs used	
G	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
o	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
G:o	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
G:o	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	
o	1000	1000	1000	1000	1000	1000	1000	1000		
G	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
									Tracks	
o	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
									Tracks	

Group delay (usec)(sbd)	5.42563643433E+03	Apriori delay (usec)	5.42560316773E+03	Resid mbdelay (usec)	2.01660E-03	+/-	2.5E-04
Sband delay (usec)	5.42562494373E+03	Apriori clock (usec)	-2.1506496E+01	Resid sbdelay (usec)	2.17760E-02	+/-	2.0E-03
Phase delay (usec)	5.42560317137E+03	Apriori clockrate (us/s)	-2.9230348E-07	Resid phdelay (usec)	3.64016E-06	+/-	4.2E-07
Delay rate (us/s)	-6.97233197434E-01	Apriori rate (us/s)	-6.97233248293E-01	Resid rate (us/s)	5.08598E-08	+/-	2.7E-09
Total phase (deg)	-114.6	Apriori accel (us/s/s)	-2.91560169971E-05	Resid phase (deg)	-67.1	+/-	13.1

	RMS	Theor.	Amplitude	0.273 +/- 0.031
ph/seg (deg)	66.6	31.5	Search (1024X32)	0.269
amp/seg (%)	108.0	55.0	Interp.	0.000
ph/frq (deg)	20.5	18.6	Inc. seg. avg.	0.441
amp/frq (%)	19.9	32.4	Inc. frq. avg.	0.270

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

G: az 162.1 el 44.1 pa -13.3 o: az 120.6 el 25.7 pa -43.2 u,v (fr/asec) 3978.841 386.128 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c181a/v0/1234/No0039/Go..064JR1 Output file: /Exps/c181a/v0/1234/No0039/Go.W.52.064JR1