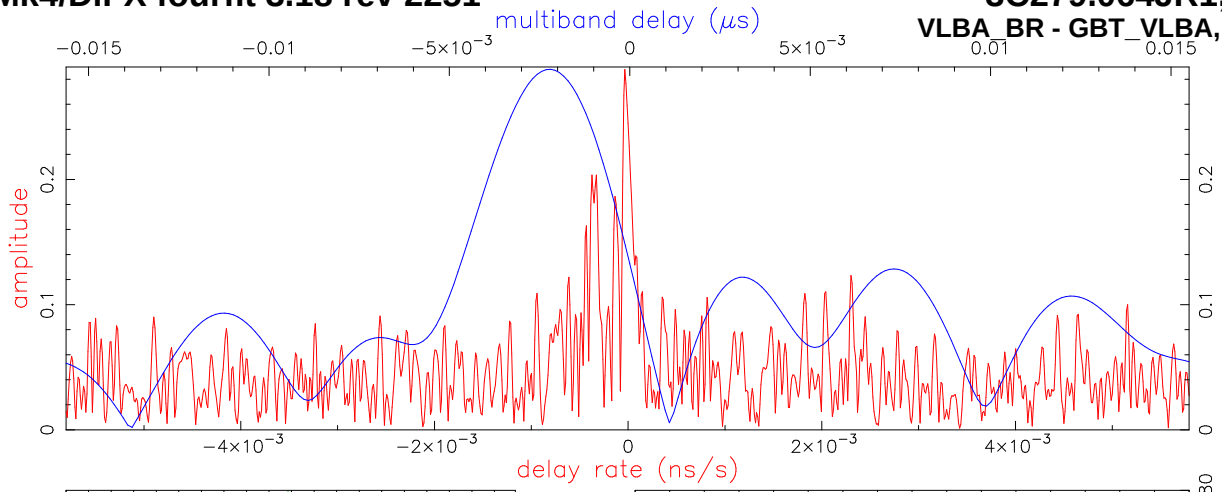
Mk4/DiFX fourfit 3.18 rev 2251

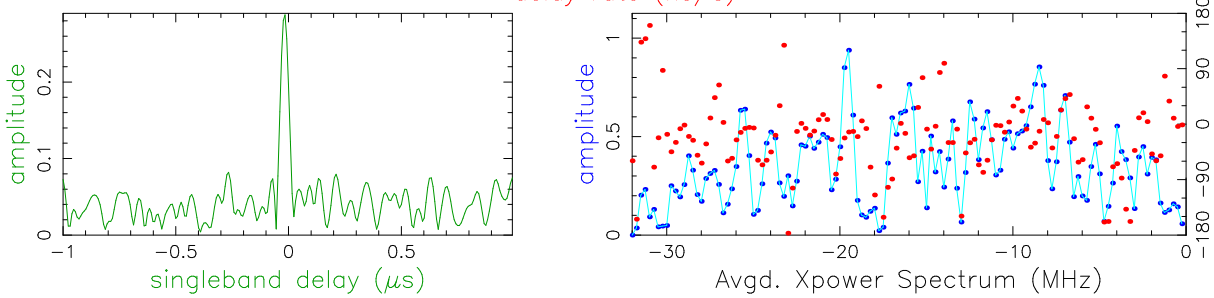
3C279.064JR1, No0039, bG

VLBA_BR - GBT_VLBA, fgroup W, pol LR

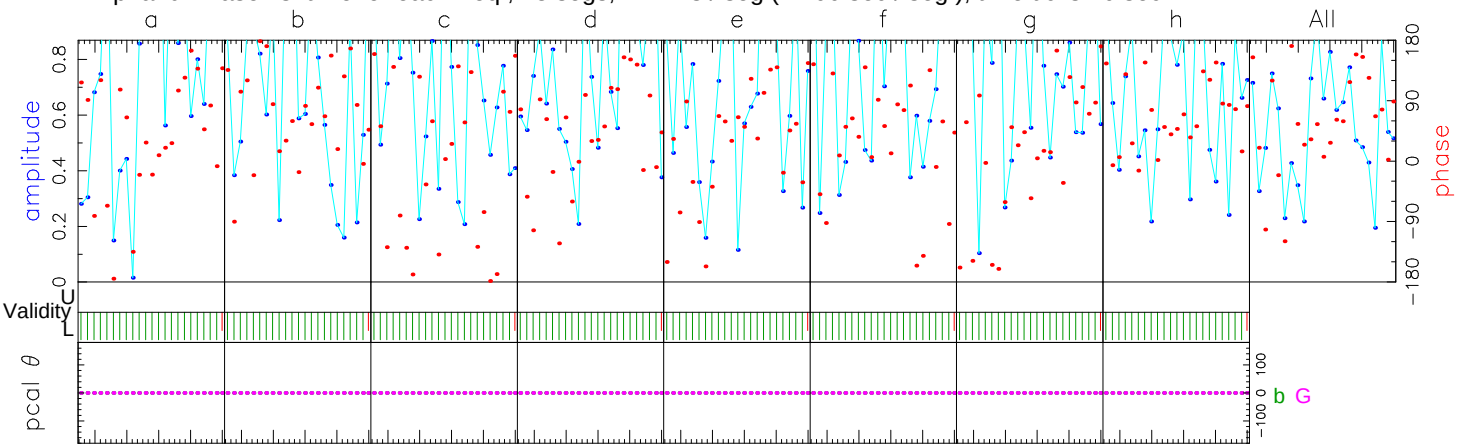


Fringe quality 9

SNR	9.2
Int time	271.993
Amp	0.290
Phase	251.0
PFD	2.4e-12
Delays (us)	
SBD	-0.018088
MBD	-0.002291
Fringe rate (Hz)	-0.003052
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
	2018:176:180405
	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		
	38.0	79.1	163.2	81.6	66.1	72.9	65.1	67.5	Phase	71.0
	0.4	0.4	0.2	0.3	0.3	0.4	0.2	0.5	Ampl.	0.3
	128.2	126.0	13.7	126.1	127.2	127.6	24.7	127.0	Sbd box	126.7
U/L	0/272	0/272	0/272	0/272	0/272	0/272	0/272	0/272	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	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
									Tracks	
G	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
									Tracks	

Group delay (usec)(sbd)	-7.75010259457E+03	Apriori delay (usec)	-7.75006905335E+03	Resid mbdelay (usec)	-2.29122E-03	+/-	2.3E-04
Sband delay (usec)	-7.75008714135E+03	Apriori clock (usec)	6.8336158E+00	Resid sbdelay (usec)	-1.80880E-02	+/-	1.9E-03
Phase delay (usec)	-7.75006905106E+03	Apriori clockrate (us/s)	5.5743462E-08	Resid phdelay (usec)	2.29070E-06	+/-	4.0E-07
Delay rate (us/s)	5.60219755719E-01	Apriori rate (us/s)	5.60219791147E-01	Resid rate (us/s)	-3.54285E-08	+/-	2.5E-09
Total phase (deg)	159.0	Apriori accel (us/s/s)	3.98217210860E-05	Resid phase (deg)	251.0	+/-	12.4

	RMS	Theor.							
			Amplitude	0.290 +/- 0.031	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5			
ph/seg (deg)	74.1	29.7	Search (1024X32)	0.285	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-1.000	1.000
amp/seg (%)	118.2	51.9	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	mb window (us)	-0.016	0.016
ph/frq (deg)	40.5	17.5	Inc. seg. avg.	0.494	Sample rate(MSamp/s): 64		dr window (ns/s)	-0.006	0.006
amp/frq (%)	33.2	30.6	Inc. frq. avg.	0.304	Data rate(Mb/s): 1024	nlags: 128 t_cohere infinite	ion window (TEC)	0.00	0.00

b: az 123.2 el 19.0 pa -34.2 G: az 162.1 el 44.1 pa -13.3 u,v (fr/asec) -3176.696 759.166 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c181a/v0/1234/No0039/bG..064JR1 Output file: /Exps/c181a/v0/1234/No0039/bG.W.11.064JR1