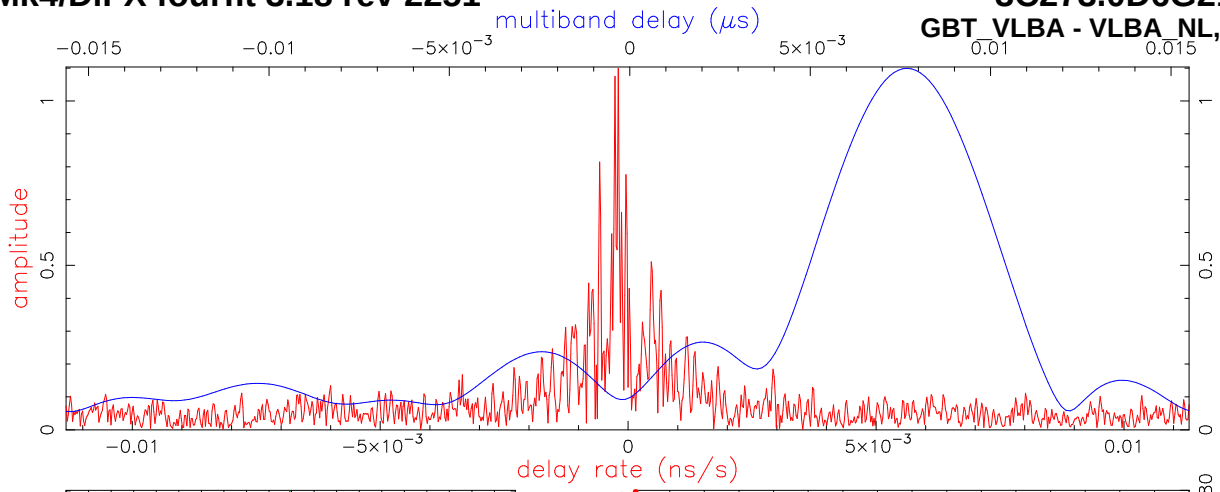
Mk4/DiFX fourfit 3.18 rev 2251

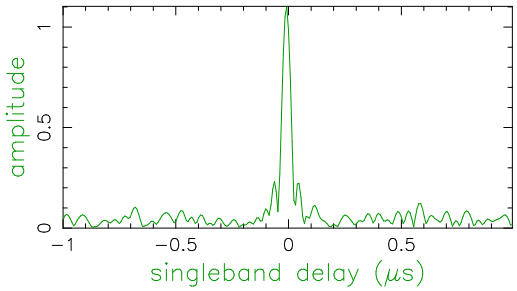
3C273.0D6G21, No0220, Gn

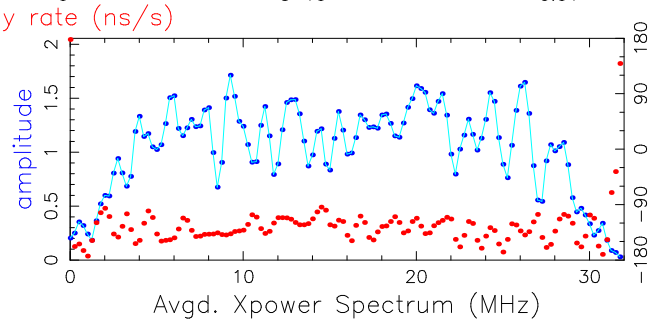
GBT_VLBA - VLBA_NL, fgroup W, pol LR



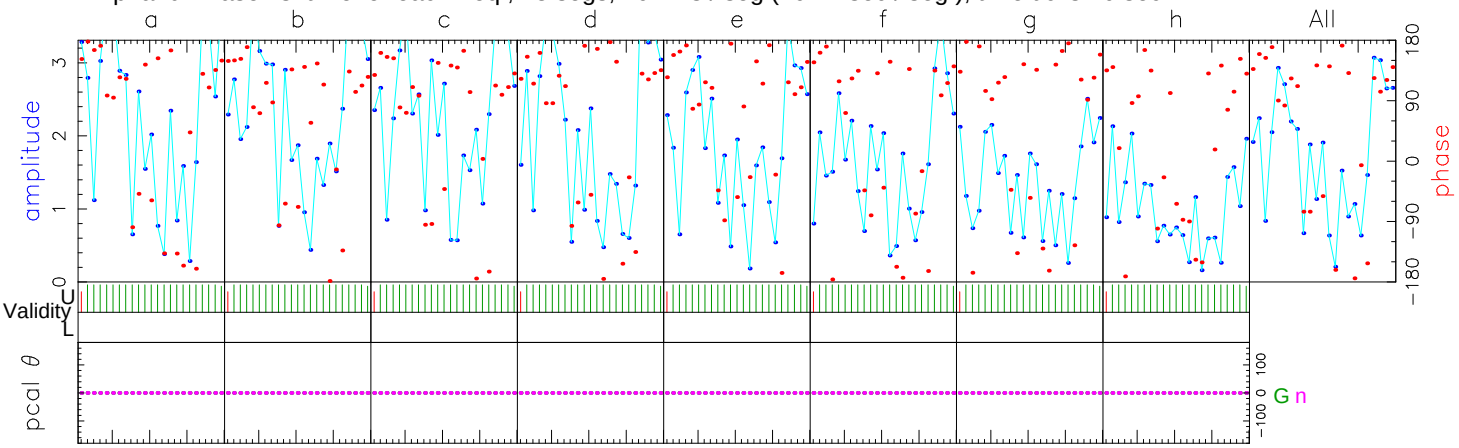
Fringe quality 6

SNR	32.5
Int time	123.949
Amp	1.103
Phase	-47.6
PFD	0.0e+00
Delays (us)	
SBD	-0.009544
MBD	0.007679
Fringe rate (Hz)	-0.017560
Ion TEC	0.000
Ref freq (MHz)	86140.0000
AP (sec)	0.512
Exp.	c181a
Exper #	16383
Yr:day	2018:104
Start	041704.93
Stop	042059.94
FRT	041800.00
Corr/FF/build	2018:291:165201 2018:313:233959 2018:249:082454
RA & Dec (J2000)	12h29m 6.6997s +2°03' 8.598"





Amp. and Phase vs. time for each freq., 23 segs, 20 APs / seg (10.24 sec / seg.), time ticks 10 sec



									Freq (MHz)	All
	86124.00	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00		
	143.3	125.0	124.2	133.8	123.4	139.2	142.2	128.4	Phase	132.4
	1.5	1.3	1.3	1.3	1.1	0.9	0.9	0.5	Ampl.	1.1
	127.6	127.4	128.3	127.8	128.0	128.0	127.7	127.2	Sbd box	127.8
U/L	456/0	456/0	456/0	456/0	456/0	456/0	456/0	456/0	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	W00UL	W01UL,W01LL	W02UL,W02LL	W03UL,W03LL	W04UL,W04LL	W05UL,W05LL	W06UL,W06LL	W07UL,W07LL	Chan ids Tracks	
n	W00UR	W01UR,W01LR	W02UR,W02LR	W03UR,W03LR	W04UR,W04LR	W05UR,W05LR	W06UR,W06LR	W07UR,W07LR	Chan ids Tracks	

Group delay (usec)(sbd)	1.10203441072E+03	Apriori delay (usec)	1.10205798208E+03	Resid mbdelay (usec)	7.67864E-03	+/-	6.7E-05
Sband delay (usec)	1.10204843808E+03	Apriori clock (usec)	-2.6618633E+01	Resid sbdelay (usec)	-9.54400E-03	+/-	5.3E-04
Phase delay (usec)	1.10205798635E+03	Apriori clockrate (us/s)	-2.1155576E-07	Resid phdelay (usec)	4.26794E-06	+/-	1.1E-07
Delay rate (us/s)	-2.34722318683E-01	Apriori rate (us/s)	-2.34722114825E-01	Resid rate (us/s)	-2.03858E-07	+/-	1.6E-09
Total phase (deg)	159.8	Apriori accel (us/s/s)	-6.17281037597E-06	Resid phase (deg)	-47.6	+/-	3.5

	RMS	Theor.							
			Amplitude	1.103 +/- 0.034	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5			
ph/seg (deg)	72.6	8.4	Search (1024X32)	1.069	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-1.000	1.000
amp/seg (%)	97.3	14.7	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	mb window (us)	-0.016	0.016
ph/frq (deg)	9.0	5.0	Inc. seg. avg.	1.735	Sample rate(MSamp/s): 64		dr window (ns/s)	-0.011	0.011
amp/frq (%)	26.8	8.7	Inc. frq. avg.	1.106	Data rate(Mb/s): 1024	nlags: 128 t_cohere infinite	ion window (TEC)	0.00	0.00

G: az 177.4 el 53.5 pa -1.2 n: az 159.7 el 48.4 pa -14.6 u,v (fr/asec) 1336.295 -411.847 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c181a/v2_ML006B/1234/No0220/Gn..0D6G21 Output file: /Exps/c181a/v2_ML006B/1234/No0220/Gn.W.189.0D6G21