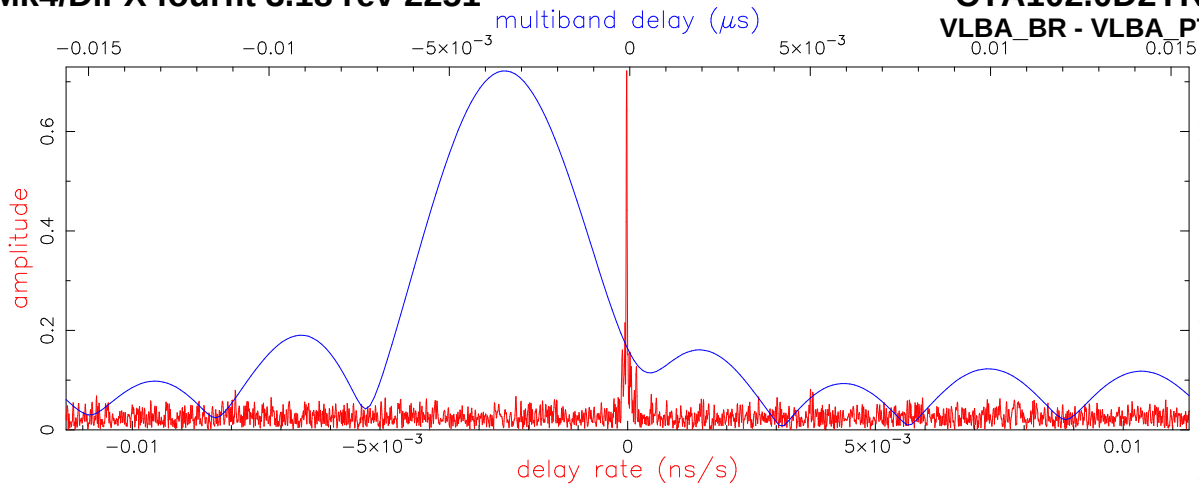
Mk4/DiFX fourfit 3.18 rev 2251

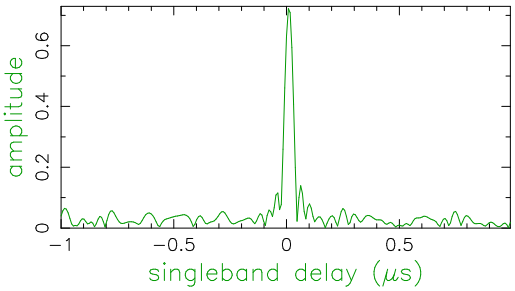
CTA102.0D2YR1, No0187, bp

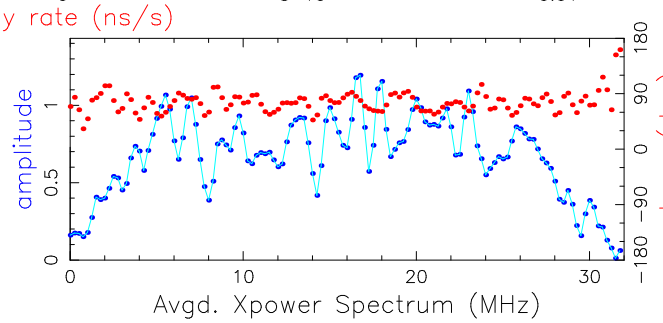
VLBA_BR - VLBA_PT, fgroup W, pol RL



Fringe quality 9

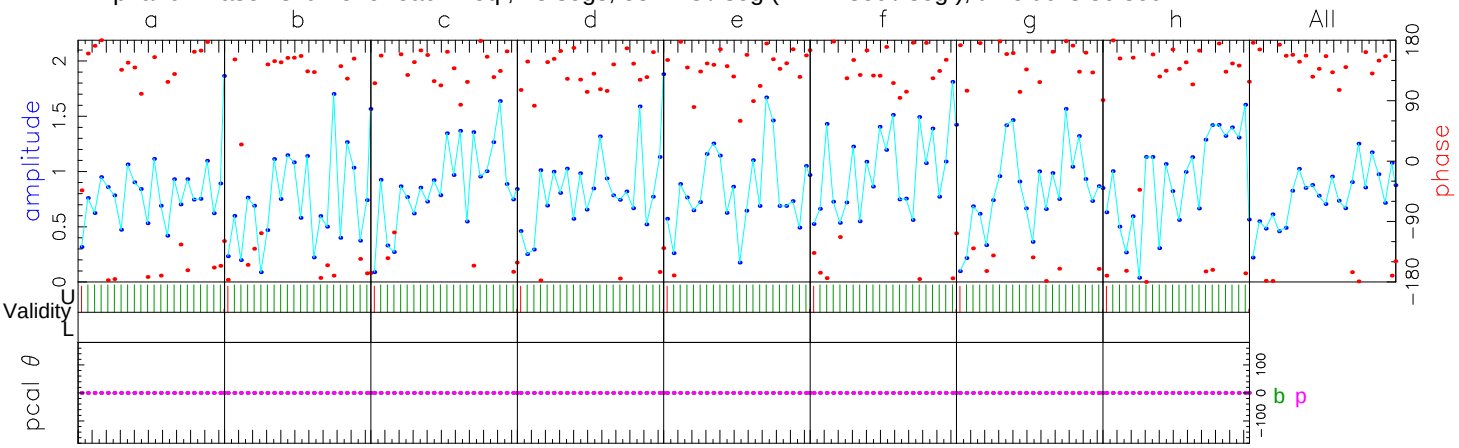
SNR 34.5
Int time 319.236
Amp 0.730
Phase 156.4
PFD 0.0e+00
Delays (us)
SBD 0.010767
MBD -0.003471
Fringe rate (Hz)
-0.002056
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512





Exp. c181c
Exper # 16383
Yr:day 2018:105
Start 153000.00
Stop 154000.06
FRT 153500.00
Corr/FF/build
2018:289:022036
2018:312:113221
2018:249:082454
RA & Dec (J2000)
22h32m36.4089s
+11°43'50.904"

Amp. and Phase vs. time for each freq., 23 segs, 53 APs / seg (27.14 sec / seg.), time ticks 30 sec



	86124.00	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	Freq (MHz)	All
	169.6	164.1	149.5	141.8	144.8	155.8	165.2	162.4	Phase	156.4
	0.6	0.6	0.7	0.7	0.7	0.8	0.7	0.8	Ampl.	0.7
	130.5	130.8	130.5	129.9	130.1	130.4	130.5	130.4	Sbd box	130.4
U/L	1170/0	1170/0	1170/0	1170/0	1170/0	1170/0	1170/0	1170/0	APs used	
b	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
p	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
b:p	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
b:p	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	
p	1000	1000	1000	1000	1000	1000	1000	1000		
b	W00UR	W01UR,W01LR	W02UR,W02LR	W03UR,W03LR	W04UR,W04LR	W05UR,W05LR	W06UR,W06LR	W07UR,W07LR	Chan ids	
									Tracks	
p	W00UL	W01UL,W01LL	W02UL,W02LL	W03UL,W03LL	W04UL,W04LL	W05UL,W05LL	W06UL,W06LL	W07UL,W07LL	Chan ids	
									Tracks	

Group delay (usec)(sbd)	-3.20292786272E+03	Apriori delay (usec)	-3.20292439220E+03	Resid mbdelay (usec)	-3.47051E-03	+/-	6.3E-05
Sband delay (usec)	-3.20291362470E+03	Apriori clock (usec)	-1.2412653E+01	Resid sbdelay (usec)	1.07675E-02	+/-	5.0E-04
Phase delay (usec)	-3.20292438716E+03	Apriori clockrate (us/s)	-5.6199999E-07	Resid phdelay (usec)	5.04330E-06	+/-	1.1E-07
Delay rate (us/s)	1.60167766829E-01	Apriori rate (us/s)	1.60167790693E-01	Resid rate (us/s)	-2.38635E-08	+/-	5.8E-10
Total phase (deg)	104.4	Apriori accel (us/s/s)	2.11493849129E-05	Resid phase (deg)	156.4	+/-	3.3

	RMS	Theor.	Amplitude	0.730 +/- 0.021
ph/seg (deg)	22.4	8.0	Search (4096X32)	0.700
amp/seg (%)	34.2	13.9	Interp.	0.000
ph/frq (deg)	11.1	4.7	Inc. seg. avg.	0.776
amp/frq (%)	10.4	8.2	Inc. frq. avg.	0.729

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)	-0.011	0.011
ion window (TEC)	0.00	0.00

b: az 146.0 el 49.4 pa -22.3 p: az 155.0 el 65.7 pa -18.9 u,v (fr/asec) -898.600 1922.218 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/c181c/v2_pc1/1234/No0187/bp..0D2YR1 Output file: /Exps/c181c/v2_pc1/1234/No0187/bp.W.28.0D2YR1