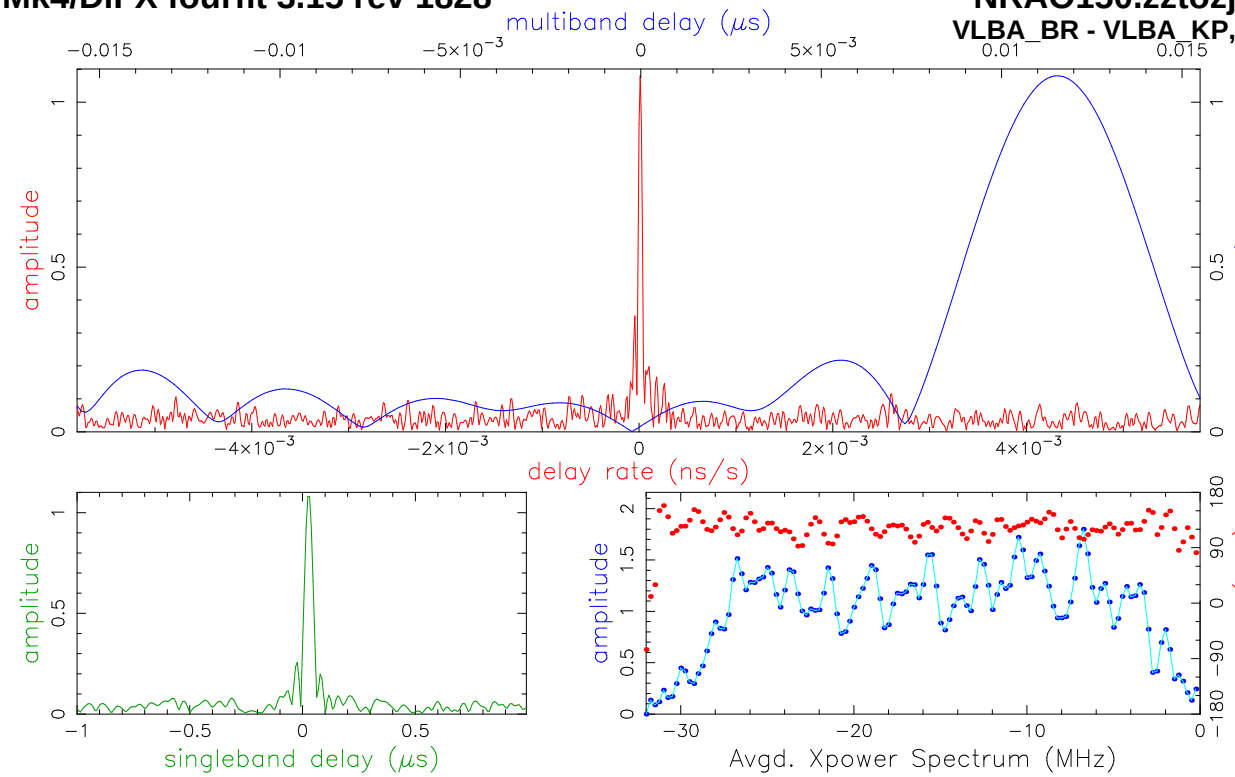
Mk4/DiFX fourfit 3.15 rev 1828

NRAO150.zztozj, No0068, bk

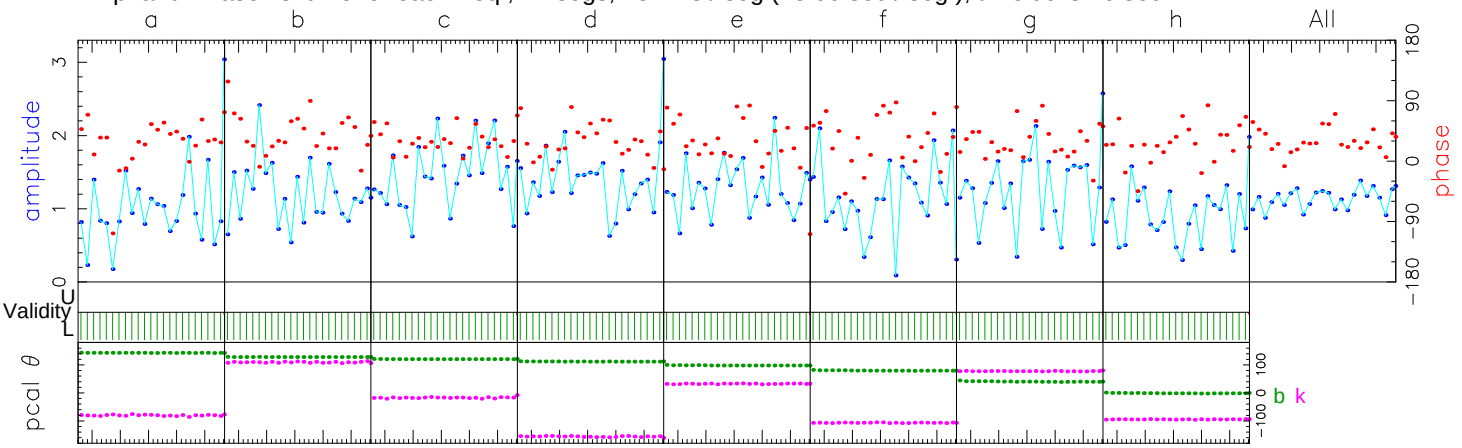
VLBA_BR - VLBA_KP, fgroup Q, pol RL



Fringe quality 9

SNR	36.9
Int time	299.982
Amp	1.101
Phase	165.9
PFD	0.0e+00
Delays (us)	
SBD	0.027329
MBD	0.011554
Fringe rate (Hz)	
	0.001273
Ion TEC	0.000
Ref freq (MHz)	
	86140.0000
AP (sec)	1.000
Exp.	c172a
Exper #	16383
Yr:day	2017:272
Start	075230.00
Stop	075730.00
FRT	075500.00
Corr/FF/build	
	2018:051:094633
	2018:053:091750
	2017:188:152524
RA & Dec (J2000)	
	03h59m29.7473s
	+50°57'50.162"

Amp. and Phase vs. time for each freq., 24 segs, 13 APs / seg (13.00 sec / seg.), time ticks 10 sec



	43024.00	43056.00	43088.00	43120.00	43152.00	43184.00	43216.00	43248.00	Freq (MHz)	All
	26.7	35.4	29.2	30.1	33.6	35.8	28.9	27.2	Phase	30.9
	0.9	1.0	1.4	1.2	1.1	1.0	1.2	0.8	Ampl.	1.1
	132.3	132.5	132.5	132.4	132.2	132.8	132.8	132.6	Sbd box	132.5
U/L	0/300	0/300	0/300	0/300	0/300	0/300	0/300	0/300	APs used	
b	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
k	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
b:k	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
b:k	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	
k	1000	1000	1000	1000	1000	1000	1000	1000		
b	Q00LR	Q01LR	Q02LR	Q03LR	Q04LR	Q05LR	Q06LR	Q07LR	Chan ids Tracks	
k	Q00LL	Q01LL	Q02LL	Q03LL	Q04LL	Q05LL	Q06LL	Q07LL	Chan ids Tracks	

Group delay (usec)(sbd)	8.83352537802E+02	Apriori delay (usec)	8.83309734294E+02	Resid mbdelay (usec)	1.15535E-02	+/- 5.9E-05
Sband delay (usec)	8.83337062794E+02	Apriori clock (usec)	-1.3797183E+00	Resid sbdelay (usec)	2.73285E-02	+/- 4.7E-04
Phase delay (usec)	8.83309735293E+02	Apriori clockrate (us/s)	6.3000007E-09	Resid phdelay (usec)	9.98035E-07	+/- 1.0E-07
Delay rate (us/s)	-6.38888542930E-02	Apriori rate (us/s)	-6.38888690720E-02	Resid rate (us/s)	1.47790E-08	+/- 5.8E-10
Total phase (deg)	350.3	Apriori accel (us/s/s)	1.41756344710E-05	Resid phase (deg)	165.9	+/- 3.1

	RMS	Theor.		
			Amplitude	1.101 +/- 0.030
ph/seg (deg)	18.0	7.6	Search (1024X32)	1.074
amp/seg (%)	12.5	13.3	Interp.	0.000
ph/frq (deg)	3.9	4.4	Inc. seg. avg.	1.123
amp/frq (%)	16.5	7.7	Inc. frq. avg.	1.079

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

b: az 64.6 el 55.9 pa -73.4 k: az 46.5 el 51.7 pa -102.7 u,v (fr/asec) 598.246 2570.808 simultaneous interpolator

Control file: cf_1234 Input file: /Exps/c172a/v2_v1_merge/merged/7mm/1234/No0068/bk..zztozj Output file: /Exps/c172a/v2_v1_merge/merged/7mm/1234/No0068/bk.Q.8.zztozj