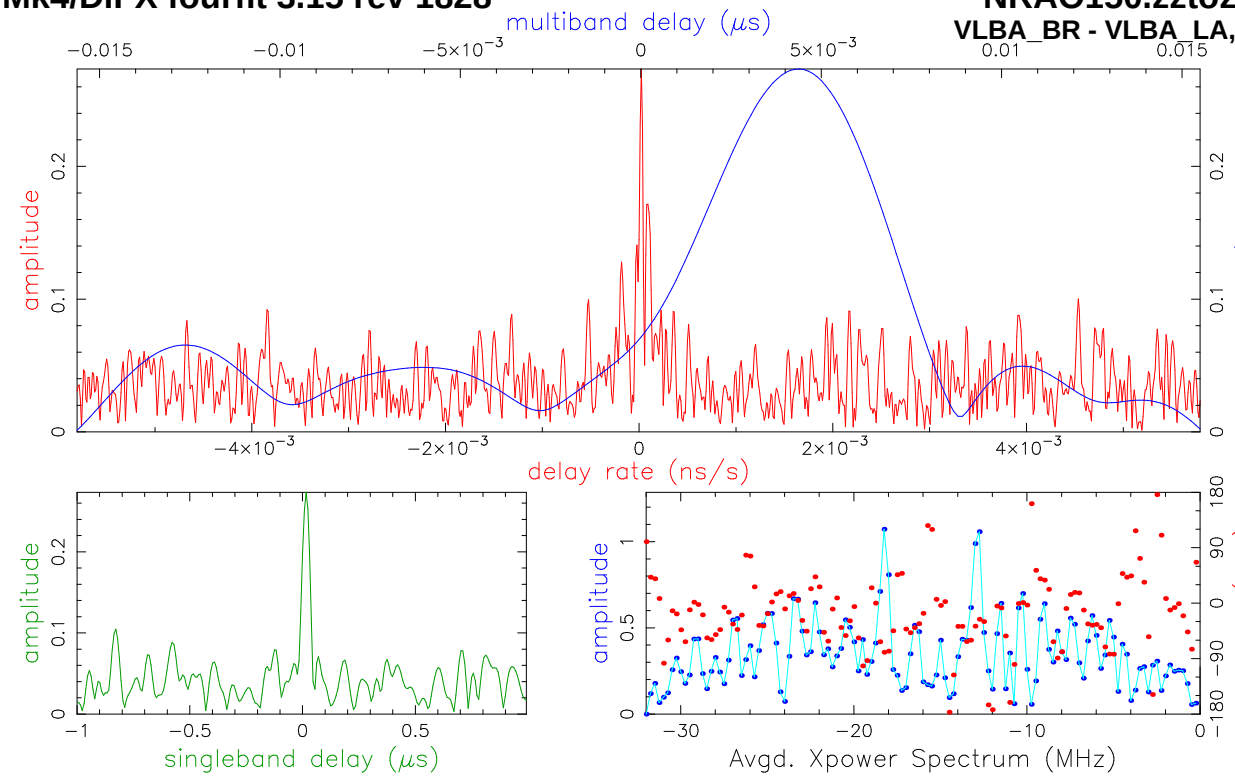
Mk4/DiFX fourfit 3.15 rev 1828

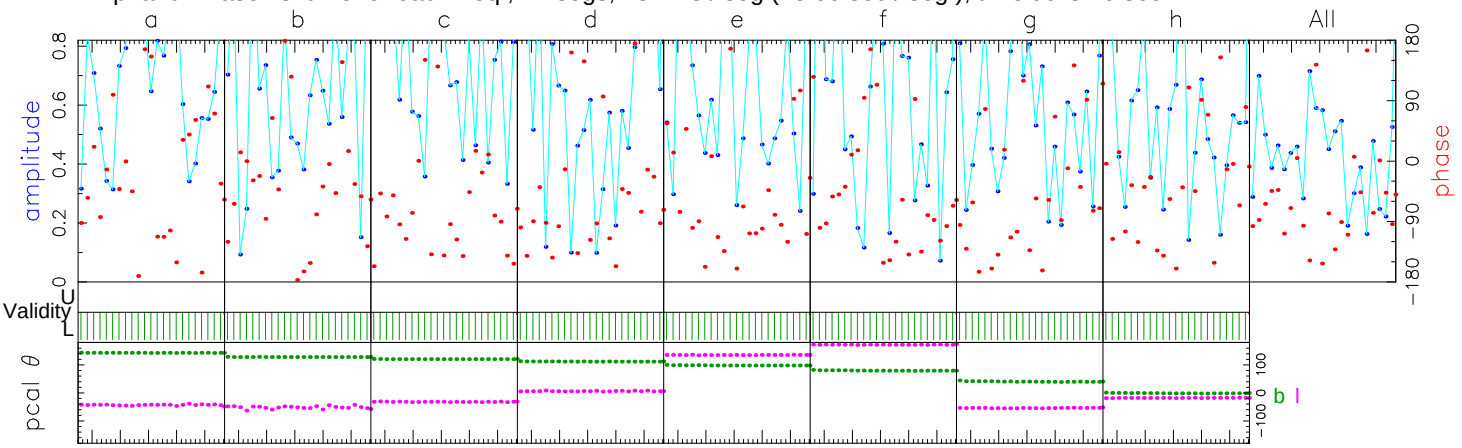
NRAO150.zztozj, No0068, bl

VLBA_BR - VLBA_LA, fgroup Q, pol RL



Fringe quality	9
SNR	9.2
Int time	299.982
Amp	0.273
Phase	-87.2
PFD	5.2e-12
Delays (us)	
SBD	0.015832
MBD	0.004367
Fringe rate (Hz)	
	0.004000
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
	2018:053:091755
	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
	-80.0	-67.8	-95.3	-87.2	-100.1	-95.6	-114.3	-48.4	Phase	-87.2
	0.2	0.3	0.4	0.3	0.3	0.4	0.2	0.2	Ampl.	0.3
	38.8	132.0	130.9	131.7	50.9	130.8	236.4	194.1	Sbd box	131.0
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	
l	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
b:l	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
b:l	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	
l	1000	1000	1000	1000	1000	1000	1000	1000		
b	Q00LR	Q01LR	Q02LR	Q03LR	Q04LR	Q05LR	Q06LR	Q07LR	Chan ids Tracks	
l	Q00LL	Q01LL	Q02LL	Q03LL	Q04LL	Q05LL	Q06LL	Q07LL	Chan ids Tracks	

Group delay (usec)(sbd)	-3.57411651522E+02	Apriori delay (usec)	-3.57416018052E+02	Resid mbdelay (usec)	4.36653E-03	+/-	2.4E-04
Sband delay (usec)	-3.57400186552E+02	Apriori clock (usec)	1.4468098E+00	Resid sbdelay (usec)	1.58315E-02	+/-	1.9E-03
Phase delay (usec)	-3.57416020862E+02	Apriori clockrate (us/s)	1.0760000E-07	Resid phdelay (usec)	-2.81049E-06	+/-	4.0E-07
Delay rate (us/s)	1.66505964836E-02	Apriori rate (us/s)	1.66505500497E-02	Resid rate (us/s)	4.64339E-08	+/-	2.3E-09
Total phase (deg)	-13.3	Apriori accel (us/s/s)	1.59382642672E-05	Resid phase (deg)	-87.2	+/-	12.5

	RMS	Theor.					
			Amplitude	0.273 +/- 0.030	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5	
ph/seg (deg)	56.1	30.7	Search (1024X32)	0.269	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us)	-1.000 1.000
amp/seg (%)	79.5	53.5	Interp.	0.000	Bits/sample: 2x2 SampCntNorm: enabled	mb window (us)	-0.016 0.016
ph/frq (deg)	22.2	17.7	Inc. seg. avg.	0.375	Sample rate(MSamp/s): 64	dr window (ns/s)	-0.006 0.006
amp/frq (%)	33.1	30.9	Inc. frq. avg.	0.273	Data rate(Mb/s): 1024 nlags: 128 t_cohere infinite	ion window (TEC)	0.00 0.00

b: az 64.6 el 55.9 pa -73.4 l: az 49.3 el 57.6 pa -103.0 u,v (fr/asec) -131.523 2439.189 simultaneous interpolator

Control file: cf_1234 Input file: /Exps/c172a/v2_v1_merge/merged/7mm/1234/No0068/bl..zztozj Output file: /Exps/c172a/v2_v1_merge/merged/7mm/1234/No0068/bl.Q.12.zztozj