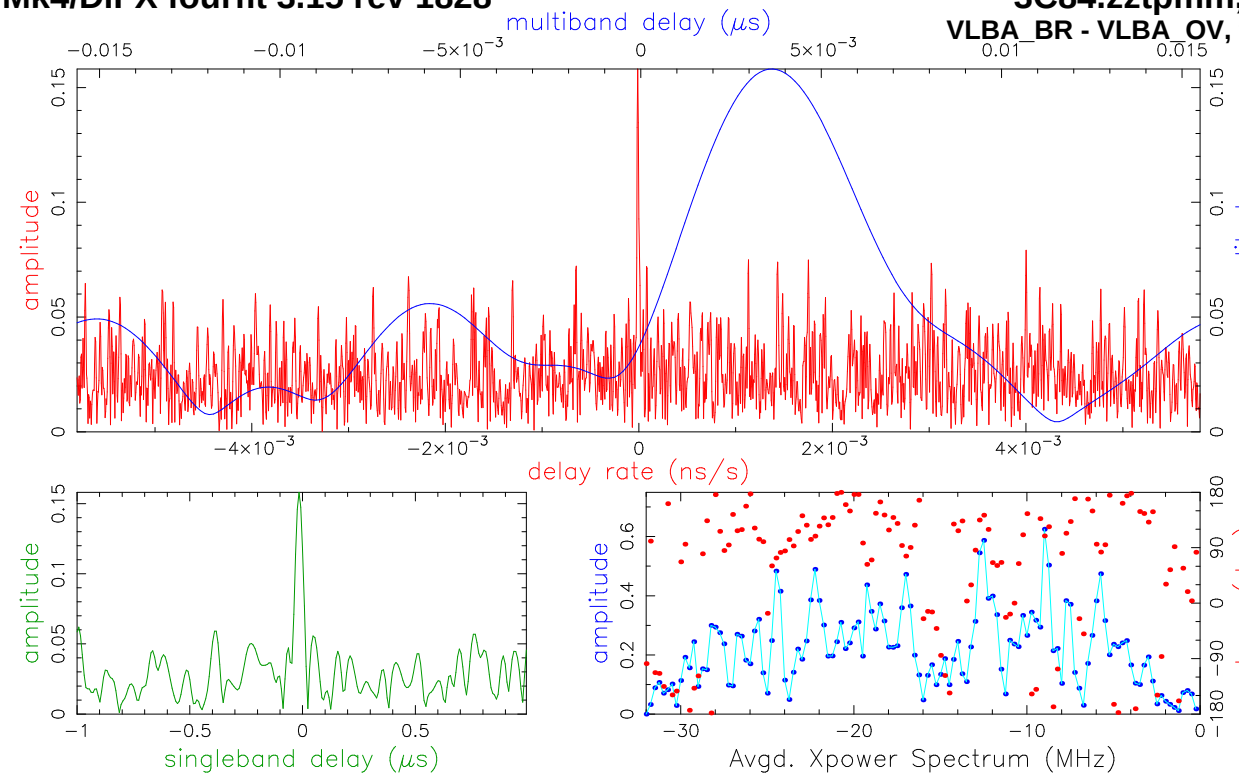
Mk4/DiFX fourfit 3.15 rev 1828

3C84.zztpmm, No0081, bo

VLBA_BR - VLBA_OV, fgroup W, pol LR

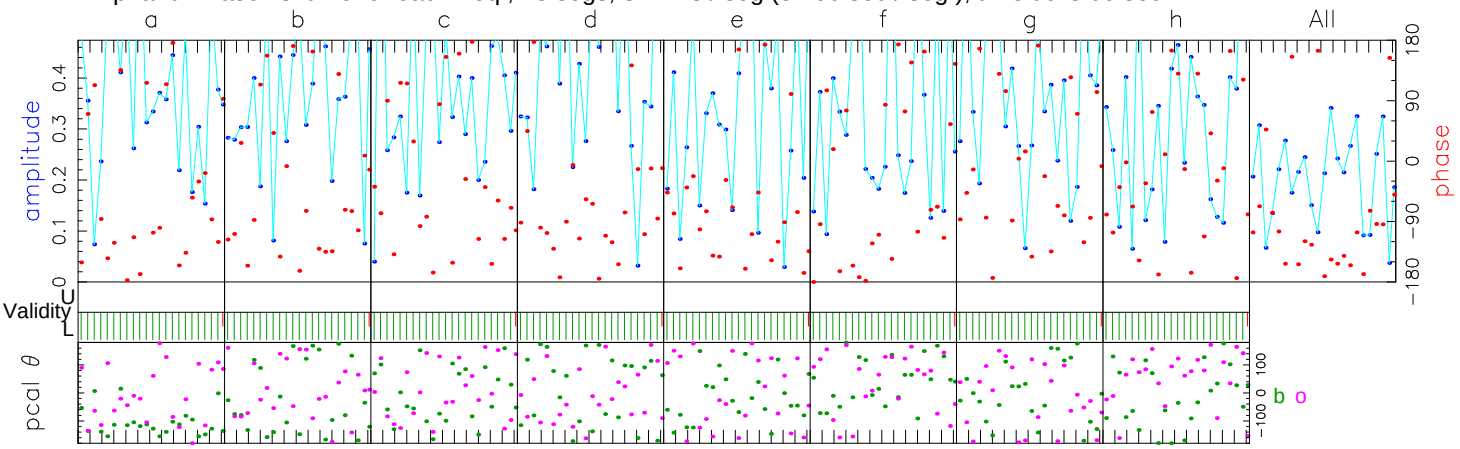


Fringe quality 9

SNR 8.2
Int time 719.979
Amp 0.158
Phase 53.8
PFD 4.1e-08
Delays (us)
SBD -0.015407
MBD 0.003627
Fringe rate (Hz)
-0.001084
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 1.000

Exp. c172a
Exper # 16383
Yr:day 2017:272
Start 100000.00
Stop 101200.00
FRT 100600.00
Corr/FF/build
2018:051:092618
2018:052:141044
2017:188:152524
RA & Dec (J2000)
03h19m48.1601s
+41°30'42.104"

Amp. and Phase vs. time for each freq., 23 segs, 32 APs / seg (32.00 sec / seg.), time ticks 60 sec



	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	-146.7	-131.5	-122.5	-101.7	-114.0	-155.3	-102.0	-172.5	Phase	-126.2
	0.2	0.2	0.1	0.3	0.2	0.1	0.1	0.1	Ampl.	0.2
	153.1	125.8	219.7	126.8	127.8	111.4	188.0	195.3	Sbd box	127.0
U/L	0/720	0/720	0/720	0/720	0/720	0/720	0/720	0/720	APs used	
b	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
o	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
b:o	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
b:o	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	
o	1000	1000	1000	1000	1000	1000	1000	1000		
b	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids Tracks	
o	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids Tracks	

Group delay (usec)(sbd)	-1.11142395222E+02	Apriori delay (usec)	-1.11114772084E+02	Resid mbdelay (usec)	3.62686E-03	+/-	2.6E-04
Sband delay (usec)	-1.11130179584E+02	Apriori clock (usec)	-1.0615946E+01	Resid sbdelay (usec)	-1.54075E-02	+/-	2.1E-03
Phase delay (usec)	-1.11114776154E+02	Apriori clockrate (us/s)	-3.0339999E-07	Resid phdelay (usec)	-4.07031E-06	+/-	4.5E-07
Delay rate (us/s)	-3.69295903343E-03	Apriori rate (us/s)	-3.69294644528E-03	Resid rate (us/s)	-1.25882E-08	+/-	1.1E-09
Total phase (deg)	-114.4	Apriori accel (us/s/s)	1.09882581098E-05	Resid phase (deg)	53.8	+/-	14.0

	RMS	Theor.		
			Amplitude	0.158 +/- 0.019
ph/seg (deg)	55.7	33.5	Search (2048X32)	0.156
amp/seg (%)	61.6	58.5	Interp.	0.000
ph/frq (deg)	28.2	19.8	Inc. seg. avg.	0.174
amp/frq (%)	41.1	34.5	Inc. frq. avg.	0.161

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 124.4 el 79.5 pa -47.1 o: az 57.9 el 81.0 pa -113.4 u,v (fr/asec) 55.358 1690.302 simultaneous interpolator

Control file: cf_1234 Input file: /Exps/c172a/v2_v1_merge/merged/3mm/1234/No0081/bo..zztpmm Output file: /Exps/c172a/v2_v1_merge/merged/3mm/1234/No0081/bo.W.27.zztpmm