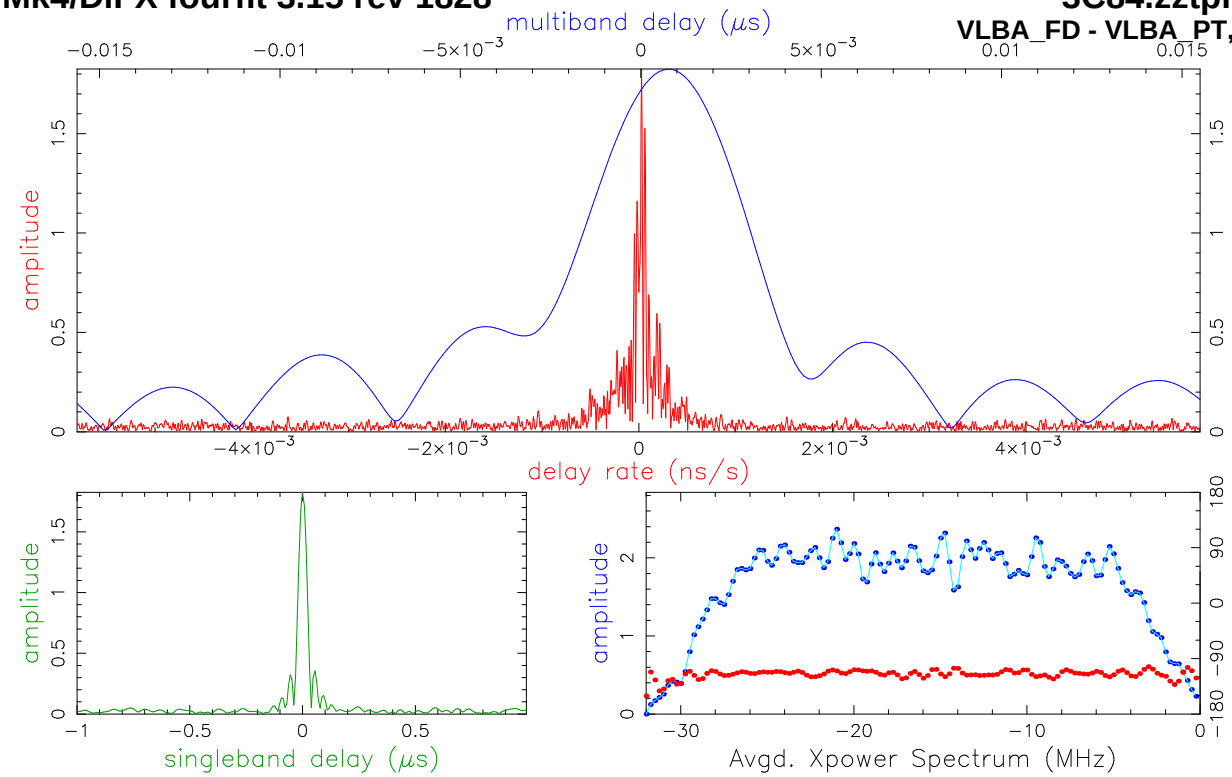
Mk4/DiFX fourfit 3.15 rev 1828

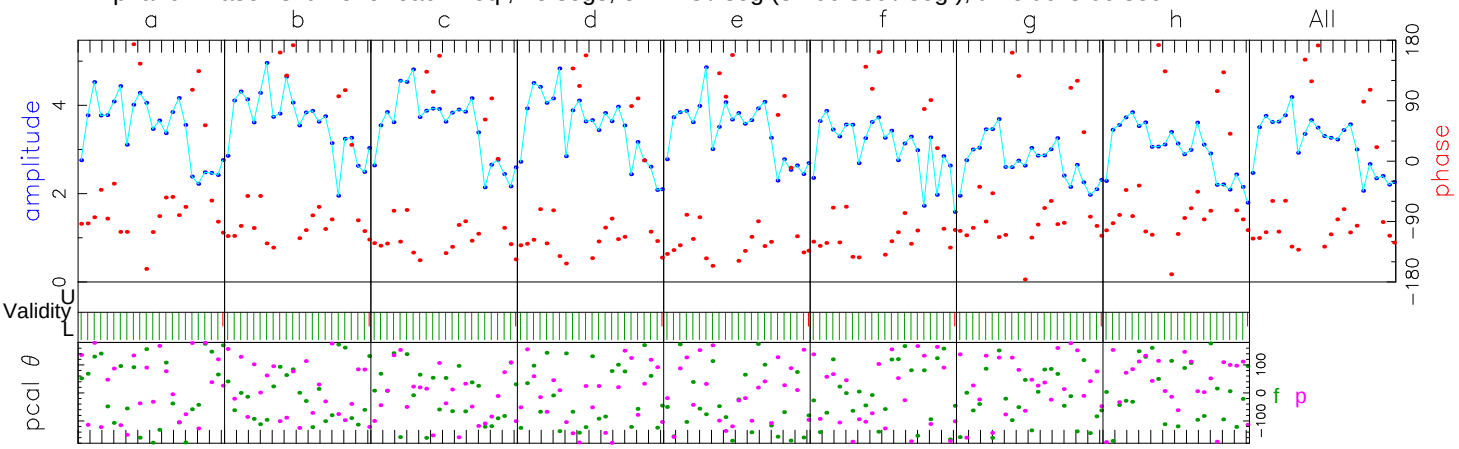
3C84.zztpna, No0085, fp

VLBA_FD - VLBA_PT, fgroup W, pol LL



Fringe quality	4
SNR	94.7
Int time	719.979
Amp	1.825
Phase	-113.4
PFD	0.0e+00
Delays (us)	
SBD	0.000658
MBD	0.000771
Fringe rate (Hz)	
	0.002231
Ion TEC	0.000
Ref freq (MHz)	
	86140.0000
AP (sec)	1.000
Exp.	c172a
Exper #	16383
Yr:day	2017:272
Start	104000.00
Stop	105200.00
FRT	104600.00
Corr/FF/build	
	2018:051:092738
	2018:052:143348
	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
	-90.8	-107.9	-125.3	-126.7	-133.7	-126.9	-100.4	-90.6	Phase	-113.4
	2.0	2.0	2.0	2.0	2.1	1.7	1.5	1.8	Ampl.	1.9
	129.1	128.9	129.1	129.0	128.9	129.5	129.3	129.2	Sbd box	129.1
U/L	0/720	0/720	0/720	0/720	0/720	0/720	0/720	0/720	APs used	
f	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
p	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
f:p	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
f:p	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
f	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
p	1000	1000	1000	1000	1000	1000	1000	1000		
f	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids Tracks	
p	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids Tracks	

Group delay (usec)(sbd)	-4.64531209616E+02	Apriori delay (usec)	-4.64531981055E+02	Resid mbdelay (usec)	7.71439E-04	+/-	2.3E-05
Sband delay (usec)	-4.64531323055E+02	Apriori clock (usec)	-1.5119319E+00	Resid sbdelay (usec)	6.58000E-04	+/-	1.8E-04
Phase delay (usec)	-4.64531984713E+02	Apriori clockrate (us/s)	-5.8099998E-07	Resid phdelay (usec)	-3.65784E-06	+/-	3.9E-08
Delay rate (us/s)	-7.86904918935E-02	Apriori rate (us/s)	-7.86905177928E-02	Resid rate (us/s)	2.58993E-08	+/-	9.4E-11
Total phase (deg)	-58.8	Apriori accel (us/s/s)	-1.58024134367E-06	Resid phase (deg)	-113.4	+/-	1.2

	RMS	Theor.							
			Amplitude	1.825 +/- 0.019	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5			
ph/seg (deg)	68.0	2.9	Search (2048X32)	1.751	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-1.000	1.000
amp/seg (%)	79.6	5.1	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	mb window (us)	-0.016	0.016
ph/frq (deg)	18.9	1.7	Inc. seg. avg.	3.153	Sample rate(MSamp/s): 64		dr window (ns/s)	-0.006	0.006
amp/frq (%)	10.9	3.0	Inc. frq. avg.	1.901	Data rate(Mb/s): 1024	nlags: 128 t_cohere infinite	ion window (TEC)	0.00	0.00

f: az 317.7 el 74.2 pa 135.0 p: az 315.6 el 79.3 pa 123.0 u,v (fr/asec) 598.668 -477.317 simultaneous interpolator

Control file: cf_1234 Input file: /Exps/c172a/v2_v1_merge/merged/3mm/1234/No0085/fp..zztpna Output file: /Exps/c172a/v2_v1_merge/merged/3mm/1234/No0085/fp.W.49.zztpna