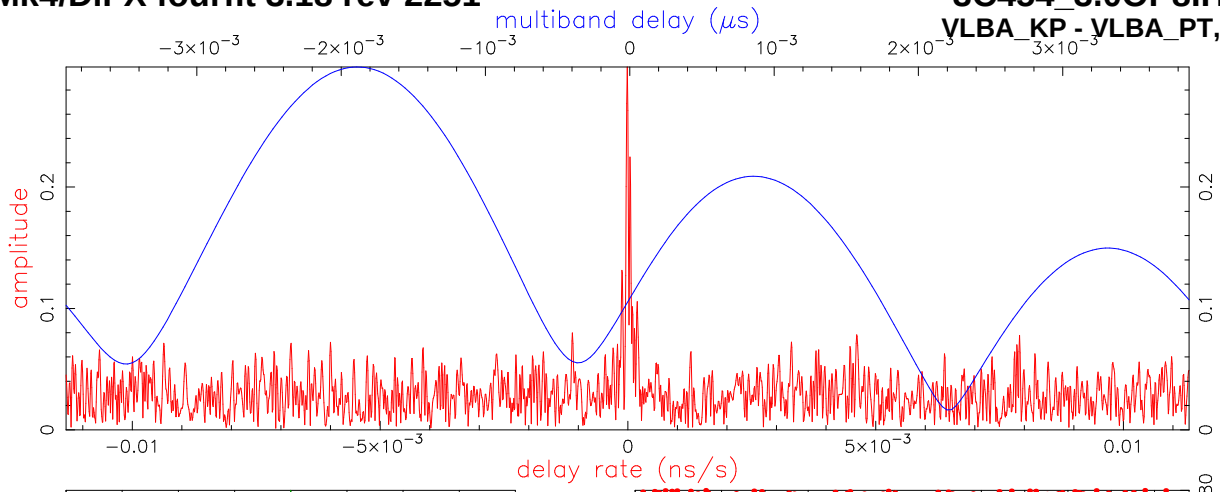
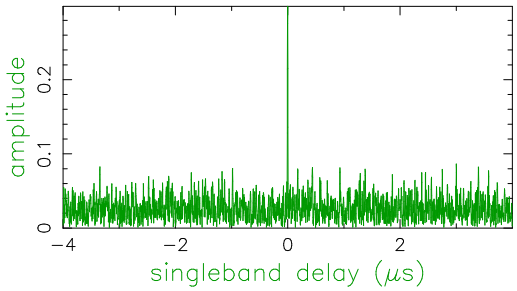
Mk4/DiFX fourfit 3.18 rev 2251

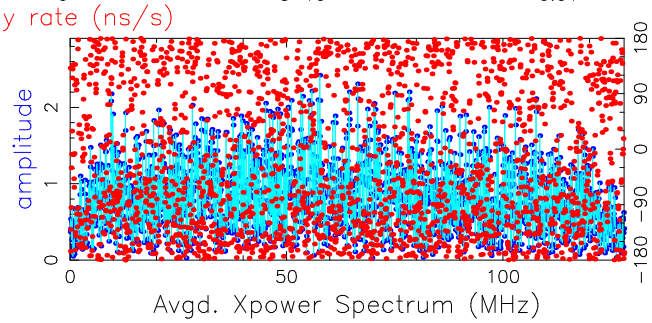
3C454_3.0OP8IH, No0007, kp

VLBA_KP - VLBA_PT, fgroup W, pol LR

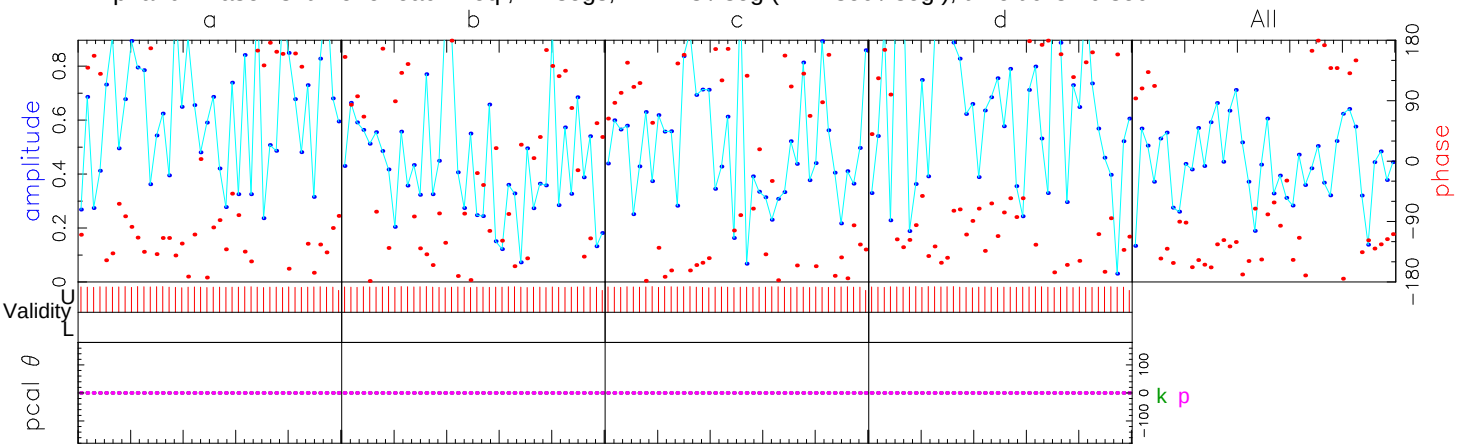


Fringe quality	8
SNR	13.6
Int time	275.247
Amp	0.299
Phase	-150.0
PFD	1.6e-32
Delays (us)	
SBD	-0.001989
MBD	-0.001891
Fringe rate (Hz)	-0.000482
Ion TEC	0.000
Ref freq (MHz)	86140.0000
AP (sec)	0.512
Exp.	f191a
Exper #	16383
Yr:day	2019:094
Start	125500.00
Stop	130000.03
FRT	125730.00
Corr/FF/build	2019:172:201251
	2019:172:202035
	2018:249:082454
RA & Dec (J2000)	22h53m57.7479s
	+16°08'53.561"





Amp. and Phase vs. time for each freq., 42 segs, 14 APs / seg (7.17 sec / seg.), time ticks 10 sec



	86012.00	86140.00	86268.00	86396.00	Freq (MHz)	All
	-139.9	-167.0	176.0	-133.7	Phase	-150.0
	0.4	0.1	0.3	0.4	Ampl.	0.3
	2048.1	997.2	2047.8	2048.6	Sbd box	2048.0
U/L	586/0	586/0	586/0	586/0	APs used	
k	3000	5000	2000	3000	PC freqs	
p	3000	5000	2000	3000	PC freqs	
k:p	0:0	0:0	0:0	0:0	PC phase	
k:p	0:0	0:0	0:0	0:0	Manl PC	
k	1000	1000	1000	1000	PC amp	
p	1000	1000	1000	1000		
k	W00UL	W01UL	W02UL	W03UL	Chan ids	
					Tracks	
p	W00UR	W01UR	W02UR	W03UR	Chan ids	
					Tracks	

Group delay (usec)(sbd)	-9.89943387684E+02	Apriori delay (usec)	-9.89941497151E+02	Resid mbdelay (usec)	-1.89053E-03	+/-	8.2E-05
Sband delay (usec)	-9.89943486151E+02	Apriori clock (usec)	-7.7702618E+00	Resid sbdelay (usec)	-1.98900E-03	+/-	3.2E-04
Phase delay (usec)	-9.89941501989E+02	Apriori clockrate (us/s)	-7.5660005E-08	Resid phdelay (usec)	-4.83814E-06	+/-	2.7E-07
Delay rate (us/s)	6.05447860726E-02	Apriori rate (us/s)	6.05447916624E-02	Resid rate (us/s)	-5.58981E-09	+/-	1.6E-09
Total phase (deg)	-353.3	Apriori accel (us/s/s)	4.14029106174E-06	Resid phase (deg)	-150.0	+/-	8.4

	RMS	Theor.						
			Amplitude	0.299 +/- 0.022	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5		
ph/seg (deg)	53.3	27.4	Search (2048X16)	0.290	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-4.000 4.000
amp/seg (%)	66.6	47.8	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	mb window (us)	-0.004 0.004
ph/frq (deg)	30.1	8.4	Inc. seg. avg.	0.397	Sample rate(MSamp/s): 256		dr window (ns/s)	-0.011 0.011
amp/frq (%)	39.9	14.7	Inc. frq. avg.	0.314	Data rate(Mb/s): 2048	nlags: 2048 t_cohere infinite	ion window (TEC)	0.00 0.00

k: az 86.3 el 25.9 pa -61.9 p: az 89.4 el 28.9 pa -59.3 u,v (fr/asec) -356.044 -195.145 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps2/f191a/FRINGE/1234/No0007//kp..0OP8IH Output file: /Exps2/f191a/FRINGE/1234/No0007//kp.W.59.0OP8IH