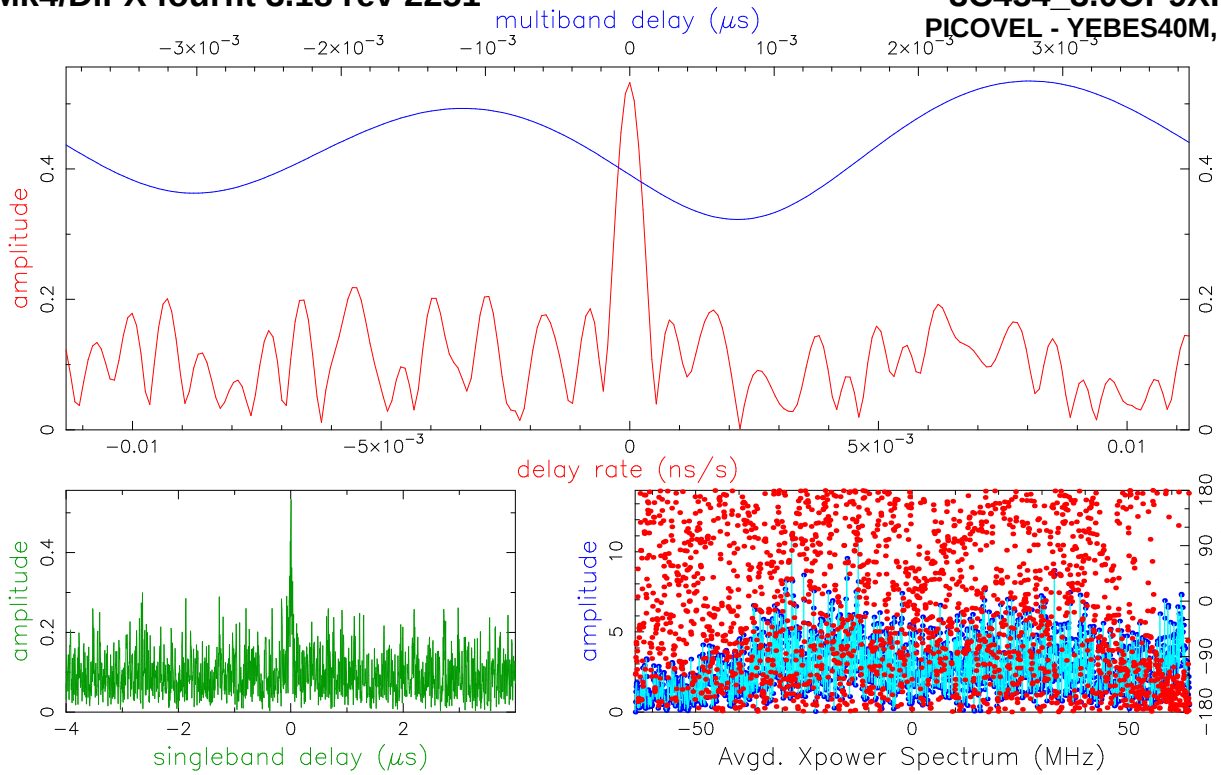
Mk4/DiFX fourfit 3.18 rev 2251

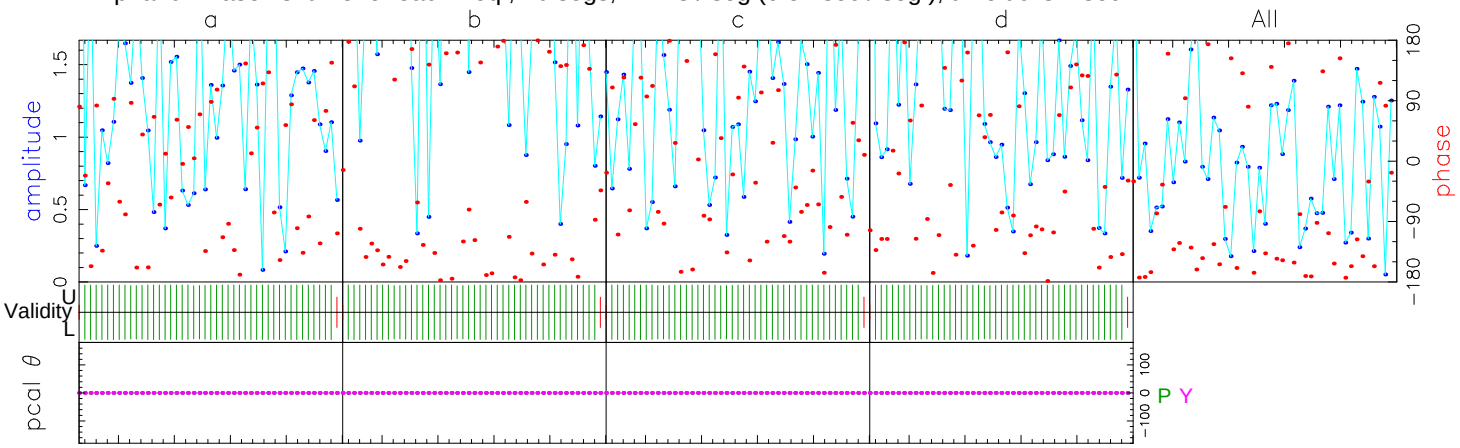
3C454_3.0OP9XI, No0006, PY

PICOVEL - YEBES40M, fgroup W, pol RR



Fringe quality	9
SNR	7.2
Int time	22.646
Amp	0.556
Phase	-155.3
PFD	1.7e-05
Delays (us)	
SBD	0.002658
MBD	0.002614
Fringe rate (Hz)	0.000993
Ion TEC	0.000
Ref freq (MHz)	86140.0000
AP (sec)	0.512
Exp.	f191a
Exper #	16383
Yr:day	2019:094
Start	125306.48
Stop	125330.03
FRT	125100.00
Corr/FF/build	2019:172:204545 2019:172:204625 2018:249:082454
RA & Dec (J2000)	22h53m57.7479s +16°08'53.561"

Amp. and Phase vs. time for each freq., 46 segs, 1 APs / seg (0.51 sec / seg.), time ticks 1 sec



	86076.00	86204.00	86332.00	86460.00	Freq (MHz)	All
	-102.7	-163.4	-87.0	-149.8	Phase	-155.3
	0.1	1.7	0.2	0.3	Ampl.	0.5
	765.6	1025.7	370.7	1450.4	Sbd box	1025.7
U/L	46/46	46/46	46/46	46/46	APs used	
P	0	0	0	0	PC freqs	
Y	0	0	0	0	PC freqs	
P:Y	0:0	0:0	0:0	0:0	PC phase	
P:Y	0:0	0:0	0:0	0:0	Manl PC	
P	1000	1000	1000	1000	PC amp	
Y	1000	1000	1000	1000		
P	W00UR,W00LR	W01UR,W01LR	W02UR,W02LR	W03UR,W03LR	Chan ids Tracks	
Y	W00UR,W00LR	W01UR,W01LR	W02UR,W02LR	W03UR,W03LR	Chan ids Tracks	

Group delay (usec)(sbd)	3.75600854962E+02	Apriori delay (usec)	3.75598241244E+02	Resid mbdelay (usec)	2.61372E-03	+/-	1.5E-04
Sband delay (usec)	3.75600898744E+02	Apriori clock (usec)	-7.0934992E+00	Resid sbdelay (usec)	2.65750E-03	+/-	5.9E-04
Phase delay (usec)	3.75598236236E+02	Apriori clockrate (us/s)	-4.9000002E-07	Resid phdelay (usec)	-5.00786E-06	+/-	2.6E-07
Delay rate (us/s)	-3.02053669088E-02	Apriori rate (us/s)	-3.02053784385E-02	Resid rate (us/s)	1.15296E-08	+/-	3.8E-08
Total phase (deg)	25.0	Apriori accel (us/s/s)	-3.51412329339E-06	Resid phase (deg)	-155.3	+/-	7.9

	RMS	Theor.	Amplitude	0.556 +/- 0.077	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5		
ph/seg (deg)	59.4	53.7	Search (128X16)	0.532	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us)	-4.000	4.000
amp/seg (%)	94.6	93.7	Interp.	0.000	Bits/sample: 2x2 SampCntNorm: enabled	mb window (us)	-0.004	0.004
ph/frq (deg)	61.4	15.8	Inc. seg. avg.	0.575	Sample rate(MSamp/s): 128	dr window (ns/s)	-0.011	0.011
amp/frq (%)	119.4	27.6	Inc. frq. avg.	0.549	Data rate(Mb/s): 2048 nlags: 1024 t_cohere infinite	ion window (TEC)	0.00	0.00

P: az 248.0 el 51.0 pa 50.1 Y: az 244.5 el 49.4 pa 45.8 u,v (fr/asec) 176.136 -479.809 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps2/f191a/FRINGE/1234/No0006//PY..0OP9XI Output file: /Exps2/f191a/FRINGE/1234/No0006//PY.W.8.0OP9XI