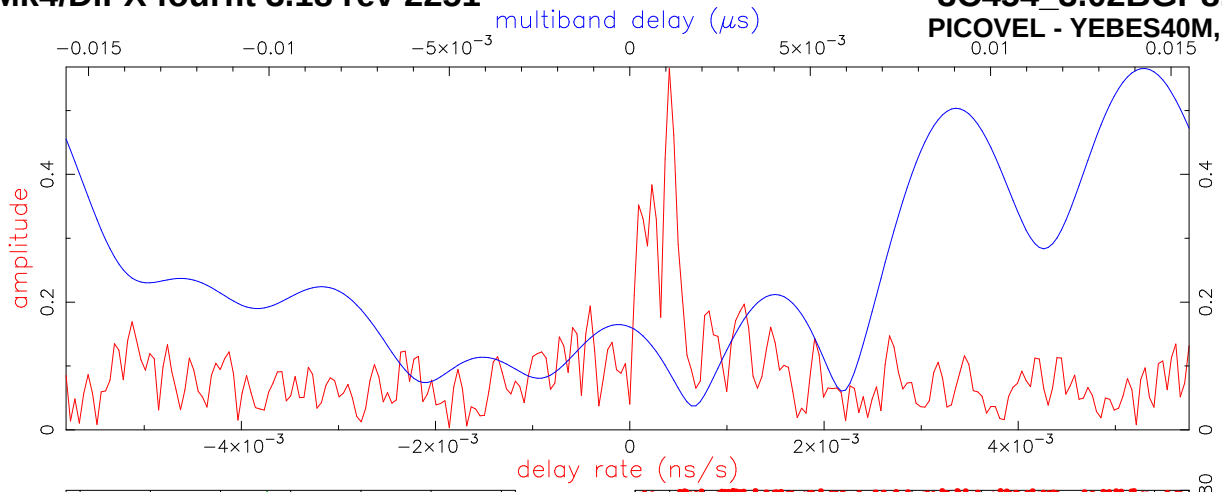
Mk4/DiFX fourfit 3.18 rev 2251

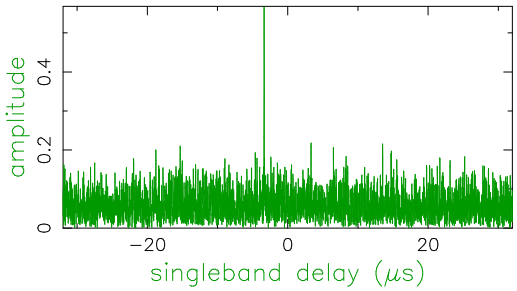
3C454_3.02BGP8, No0001, PY

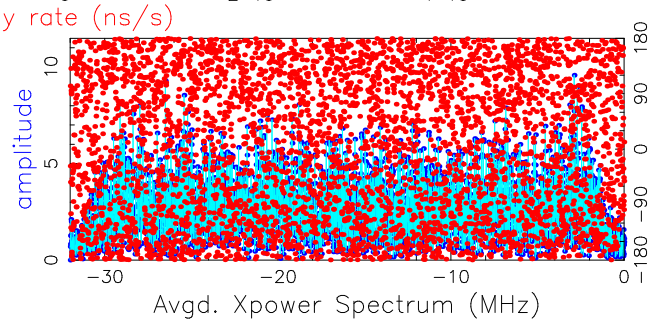
PICOVEL - YEBES40M, fgroup W, pol LR



Fringe quality 9

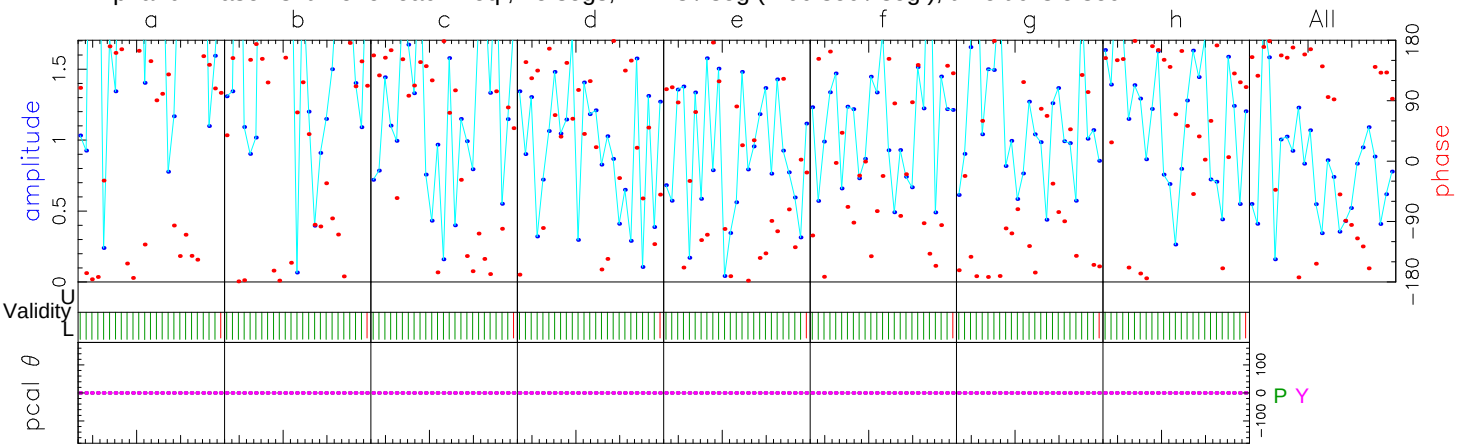
SNR 10.9
Int time 98.208
Amp 0.568
Phase 168.8
PFD 1.5e-18
Delays (us)
SBD -3.360597
MBD 0.014222
Fringe rate (Hz)
0.034709
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 1.000





Exp. f181a
Exper # 16383
Yr:day 2018:102
Start 120320.00
Stop 120500.00
FRT 120230.00
Corr/FF/build
2018:102:172416
2018:102:174445
2018:095:094034
RA & Dec (J2000)
22h53m57.7479s
+16°08'53.561"

Amp. and Phase vs. time for each freq., 25 segs, 4 APs / seg (4.00 sec / seg.), time ticks 5 sec



	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	175.3	167.9	146.5	99.4	-174.3	-117.7	-161.4	136.5	Phase	168.8
	1.6	1.2	0.6	0.3	0.2	0.3	0.5	0.5	Ampl.	0.6
	3666.6	3666.5	3666.5	3723.8	4933.3	4156.8	3451.1	3613.9	Sbd box	3666.8
U/L	0/100	0/100	0/100	0/100	0/100	0/100	0/100	0/100	APs used	
P	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
P:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
P:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
P	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y	1000	1000	1000	1000	1000	1000	1000	1000		
P	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
									Tracks	
Y	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
									Tracks	

Group delay (usec)(sbd)	4.01193461006E+02	Apriori delay (usec)	4.04554238929E+02	Resid mbdelay (usec)	1.42221E-02	+/-	2.0E-04
Sband delay (usec)	4.01193641929E+02	Apriori clock (usec)	-5.6580720E+00	Resid sbdelay (usec)	-3.36060E+00	+/-	1.6E-03
Phase delay (usec)	4.04554244371E+02	Apriori clockrate (us/s)	-4.7999999E-07	Resid phdelay (usec)	5.44229E-06	+/-	3.4E-07
Delay rate (us/s)	-2.67513299698E-02	Apriori rate (us/s)	-2.67517329039E-02	Resid rate (us/s)	4.02934E-07	+/-	5.9E-09
Total phase (deg)	219.6	Apriori accel (us/s/s)	-3.66004297607E-06	Resid phase (deg)	168.8	+/-	10.5

	RMS	Theor.	Amplitude	0.568 +/- 0.052
ph/seg (deg)	62.7	26.4	Search (256X32)	0.557
amp/seg (%)	79.5	46.0	Interp.	0.000
ph/frq (deg)	46.5	14.9	Inc. seg. avg.	0.725
amp/frq (%)	82.2	26.0	Inc. frq. avg.	0.627

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: 4096 t_cohere infinite

sb window (us)	-32.000	32.000
mb window (us)	-0.016	0.016
dr window (ns/s)	-0.006	0.006
ion window (TEC)	0.00	0.00

P: az 244.0 el 53.8 pa 48.5 Y: az 240.3 el 52.0 pa 43.7 u,v (fr/asec) 156.052 -482.938 simultaneous interpolator

Control file: cf_1234 Input file: /Exps/f181a/FRINGE/1234/No0001/PY..02BGP8 Output file: /Exps/f181a/FRINGE/1234/No0001/PY.W.55.02BGP8