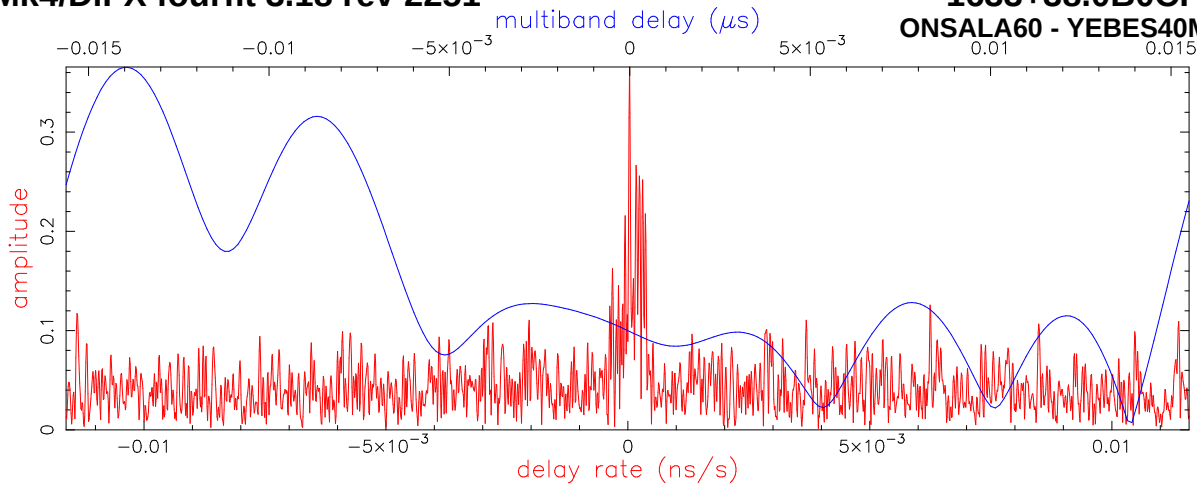
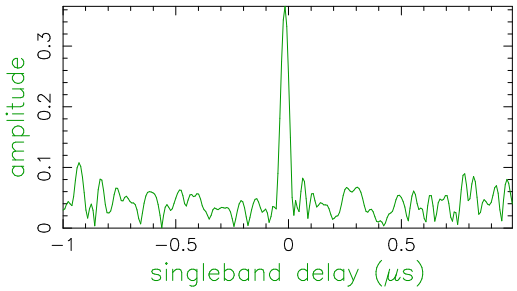
Mk4/DiFX fourfit 3.18 rev 2251

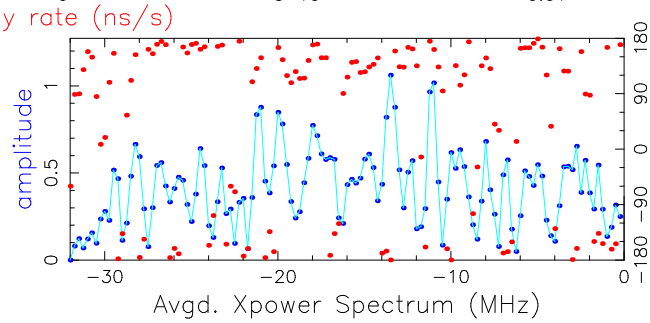
1633+38.0B0CF2, No0009, XY

ONSALA60 - YEBES40M, fgroup W, pol RR

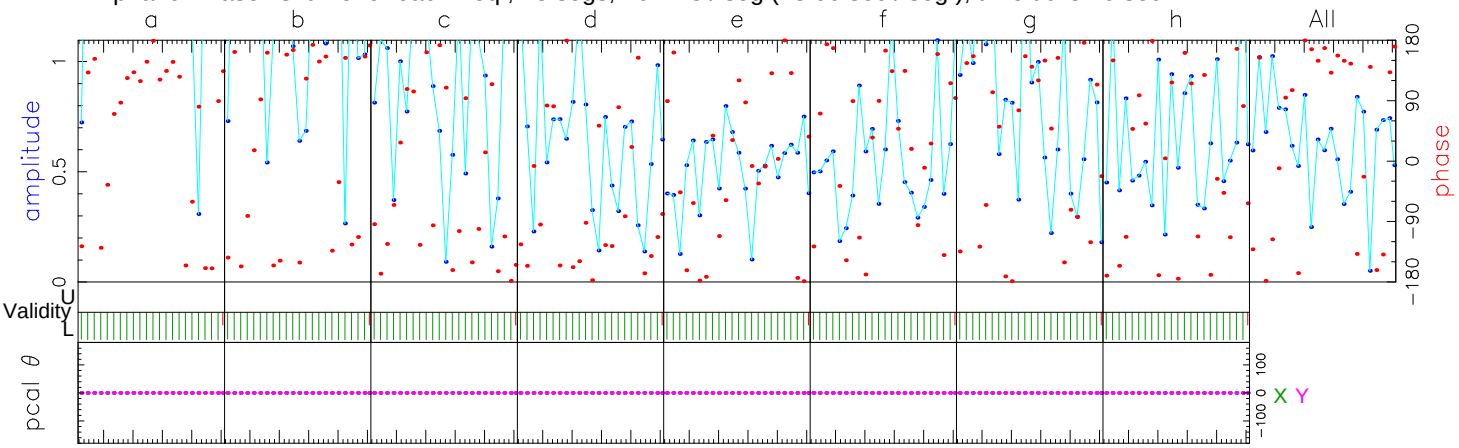


Fringe quality	9
SNR	12.1
Int time	291.676
Amp	0.366
Phase	173.6
PFD	3.6e-25
Delays (us)	
SBD	-0.016343
MBD	-0.013946
Fringe rate (Hz)	0.002737
Ion TEC	0.000
Ref freq (MHz)	86140.0000
AP (sec)	0.500
Exp.	f182a
Exper #	16383
Yr:day	2018:270
Start	140008.00
Stop	140500.00
FRT	140230.00
Corr/FF/build	2018:271:162139
	2018:271:163131
	2018:249:082454
RA & Dec (J2000)	16h35m15.4930s
	+38°08' 4.501"





Amp. and Phase vs. time for each freq., 23 segs, 26 APs / seg (13.00 sec / seg.), time ticks 10 sec



	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	144.2	-168.7	-148.7	-133.0	149.2	136.1	170.0	151.4	Phase	173.6
	0.9	0.6	0.4	0.4	0.1	0.2	0.5	0.3	Ampl.	0.4
	127.7	127.4	127.8	126.9	37.1	4.9	125.8	128.6	Sbd box	126.9
U/L	0/584	0/584	0/584	0/584	0/584	0/584	0/584	0/584	APs used	
X	0	0	0	0	0	0	0	0	PC freqs	
Y	0	0	0	0	0	0	0	0	PC freqs	
X:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
X:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
X	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y	1000	1000	1000	1000	1000	1000	1000	1000		
X	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
									Tracks	
Y	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
									Tracks	

Group delay (usec)(sbd)	6.05423535339E+02	Apriori delay (usec)	6.05437481518E+02	Resid mbdelay (usec)	-1.39462E-02	+/-	1.8E-04
Sband delay (usec)	6.05421138518E+02	Apriori clock (usec)	1.4085660E+01	Resid sbdelay (usec)	-1.63430E-02	+/-	1.4E-03
Phase delay (usec)	6.05437487116E+02	Apriori clockrate (us/s)	9.0000002E-08	Resid phdelay (usec)	5.59743E-06	+/-	3.1E-07
Delay rate (us/s)	-3.08018832809E-01	Apriori rate (us/s)	-3.08018864579E-01	Resid rate (us/s)	3.17710E-08	+/-	1.8E-09
Total phase (deg)	50.4	Apriori accel (us/s/s)	1.02825690180E-05	Resid phase (deg)	173.6	+/-	9.5

	RMS	Theor.	Amplitude	0.366 +/- 0.030
ph/seg (deg)	63.1	22.8	Search (2048X32)	0.361
amp/seg (%)	97.8	39.7	Interp.	0.000
ph/frq (deg)	36.4	13.4	Inc. seg. avg.	0.597
amp/frq (%)	71.1	23.4	Inc. frq. avg.	0.411

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)	-0.012	0.012
ion window (TEC)	0.00	0.00

X: az 135.9 el 66.4 pa -27.8 Y: az 83.3 el 62.4 pa -73.8 u,v (fr/asec) 2257.099 1958.017 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/f182a/FRINGE/1234/No0009/XY..0B0CF2 Output file: /Exps/f182a/FRINGE/1234/No0009/XY.W.18.0B0CF2