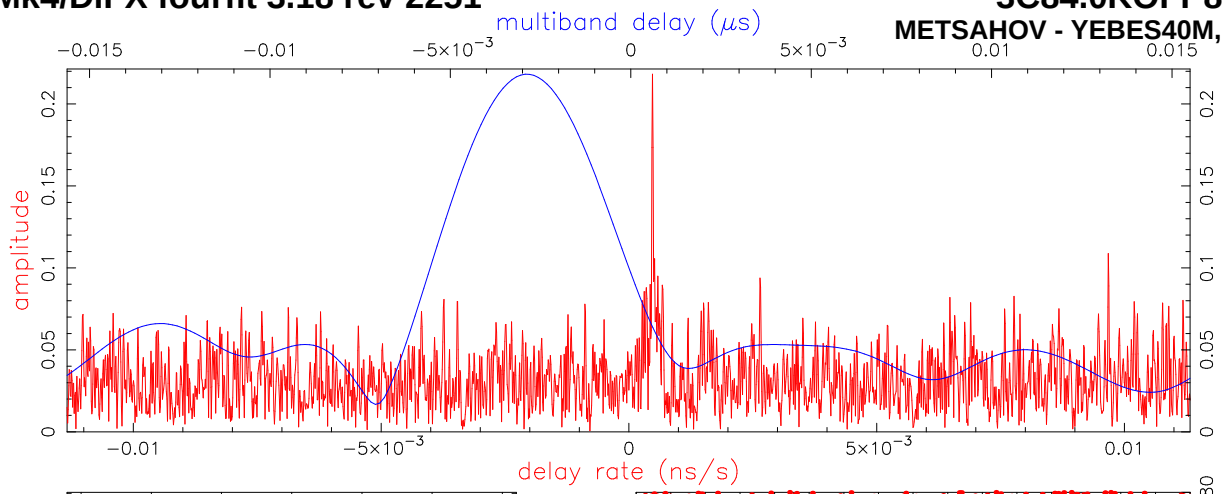
Mk4/DiFX fourfit 3.18 rev 2251

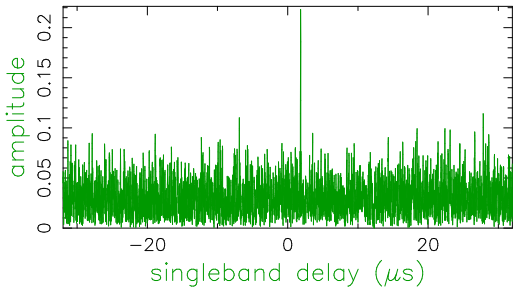
3C84.0KOFP8, No0002, ZY

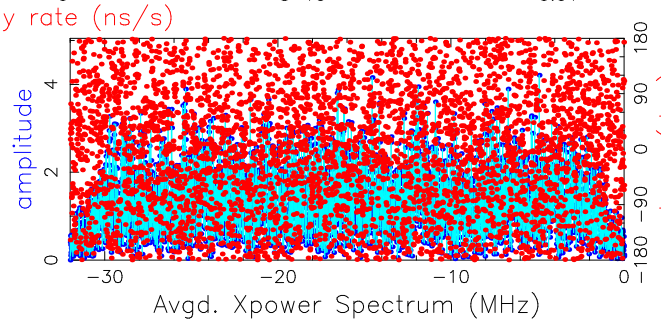
METSAHOV - YEBES40M, fgroup W, pol RL



Fringe quality 9

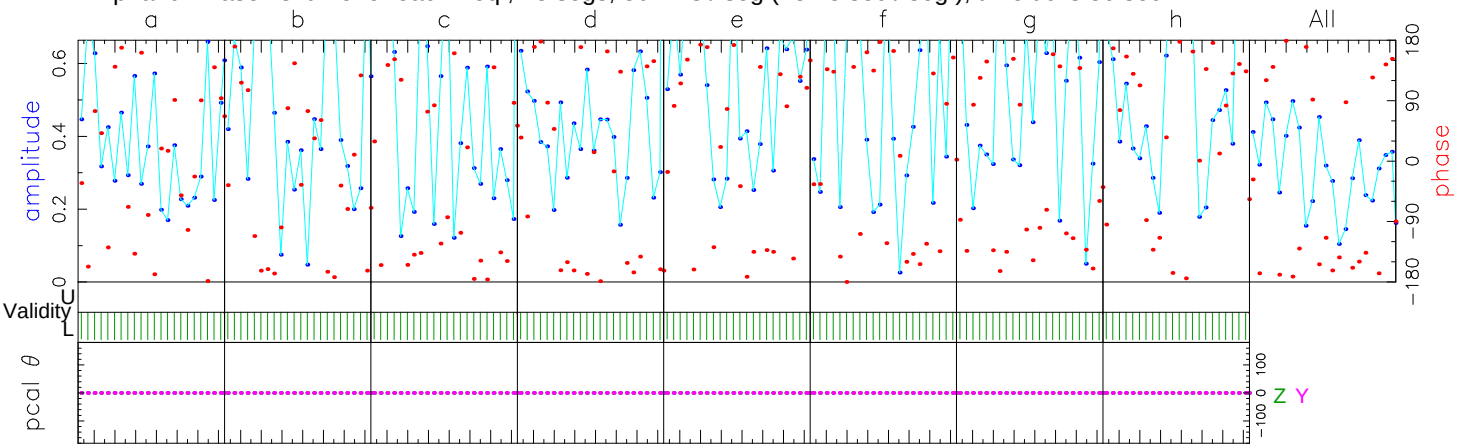
SNR 8.6
Int time 405.930
Amp 0.221
Phase -357.5
PFD 4.0e-08
Delays (us)
SBD 1.840629
MBD -0.002872
Fringe rate (Hz)
0.040922
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512





Exp. f191b
Exper # 16383
Yr:day 2019:094
Start 134513.31
Stop 135159.84
FRT 134830.00
Corr/FF/build
2019:094:153742
2019:094:154420
2018:249:082454
RA & Dec (J2000)
03h19m48.1601s
+41˚30'42.104"

Amp. and Phase vs. time for each freq., 23 segs, 36 APs / seg (18.43 sec / seg.), time ticks 30 sec



	86156.00	86188.00	86220.00	86252.00	86284.00	86316.00	86348.00	86380.00	Freq (MHz)	All
	176.2	-170.8	-169.9	-177.6	155.7	-173.6	-137.4	158.6	Phase	-177.5
	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	Ampl.	0.2
	358.4	5260.2	6891.4	7990.4	5355.2	7663.0	4332.2	4332.0	Sbd box	4332.6
U/L	0/794	0/794	0/794	0/794	0/794	0/794	0/794	0/794	APs used	
Z	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Y	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	PC freqs	
Z:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
Z:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
Z	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y	1000	1000	1000	1000	1000	1000	1000	1000		
Z	W00LR	W01LR	W02LR	W03LR	W04LR	W05LR	W06LR	W07LR	Chan ids	
									Tracks	
Y	W00LL	W01LL	W02LL	W03LL	W04LL	W05LL	W06LL	W07LL	Chan ids	
									Tracks	

Group delay (usec)(sbd)	-1.01095817462E+03	Apriori delay (usec)	-1.01279905294E+03	Resid mbdelay (usec)	-2.87167E-03	+/-	2.5E-04
Sband delay (usec)	-1.01095842394E+03	Apriori clock (usec)	-8.7624168E+00	Resid sbdelay (usec)	1.84063E+00	+/-	2.0E-03
Phase delay (usec)	-1.01279905867E+03	Apriori clockrate (us/s)	-3.7599999E-07	Resid phdelay (usec)	-5.72469E-06	+/-	4.3E-07
Delay rate (us/s)	-3.46560246311E-01	Apriori rate (us/s)	-3.46560721379E-01	Resid rate (us/s)	4.75068E-07	+/-	1.8E-09
Total phase (deg)	-148.9	Apriori accel (us/s/s)	2.16958331326E-05	Resid phase (deg)	-357.5	+/-	13.3

	RMS	Theor.							
			Amplitude	0.221 +/- 0.026	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5			
ph/seg (deg)	53.3	31.9	Search (2048X32)	0.215	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-32.000	32.000
amp/seg (%)	67.2	55.6	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	mb window (us)	-0.016	0.016
ph/frq (deg)	22.6	18.8	Inc. seg. avg.	0.278	Sample rate(MSamp/s): 64		dr window (ns/s)	-0.011	0.011
amp/frq (%)	33.7	32.8	Inc. frq. avg.	0.223	Data rate(Mb/s): 1024	nlags: 4096 t_cohere infinite	ion window (TEC)	0.00	0.00

Z: az 208.5 el 69.8 pa 20.4 Y: az 79.8 el 78.8 pa -90.8 u,v (fr/asec) 2692.255 2929.853 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps2/f191b/FRINGE/1234/No0002//ZY..0KOFP8 Output file: /Exps2/f191b/FRINGE/1234/No0002//ZY.W.60.0KOFP8