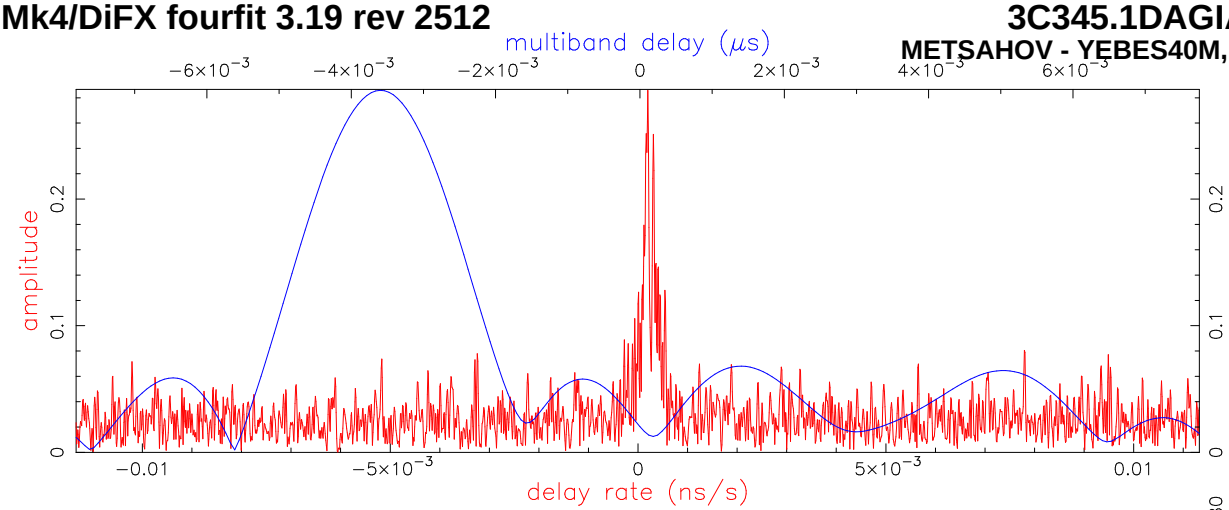
Mk4/DiFX fourfit 3.19 rev 2512

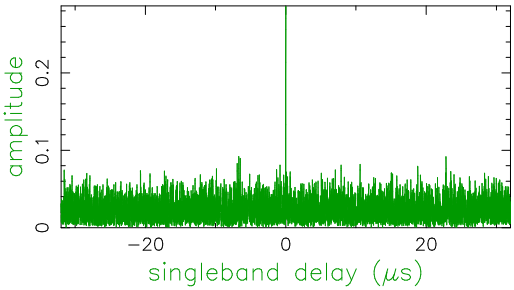
3C345.1DAGIA, No0008, ZY

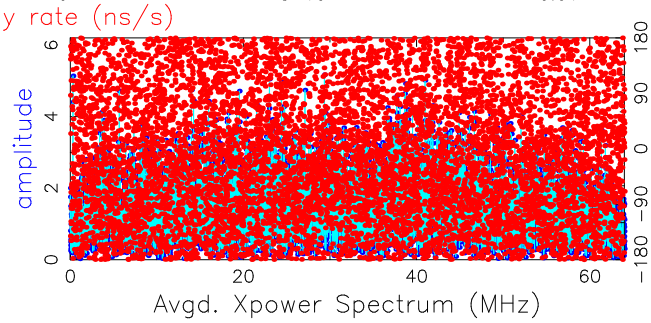
METSAHOV - YEBES40M, fgroup W, pol RR



Fringe quality 9

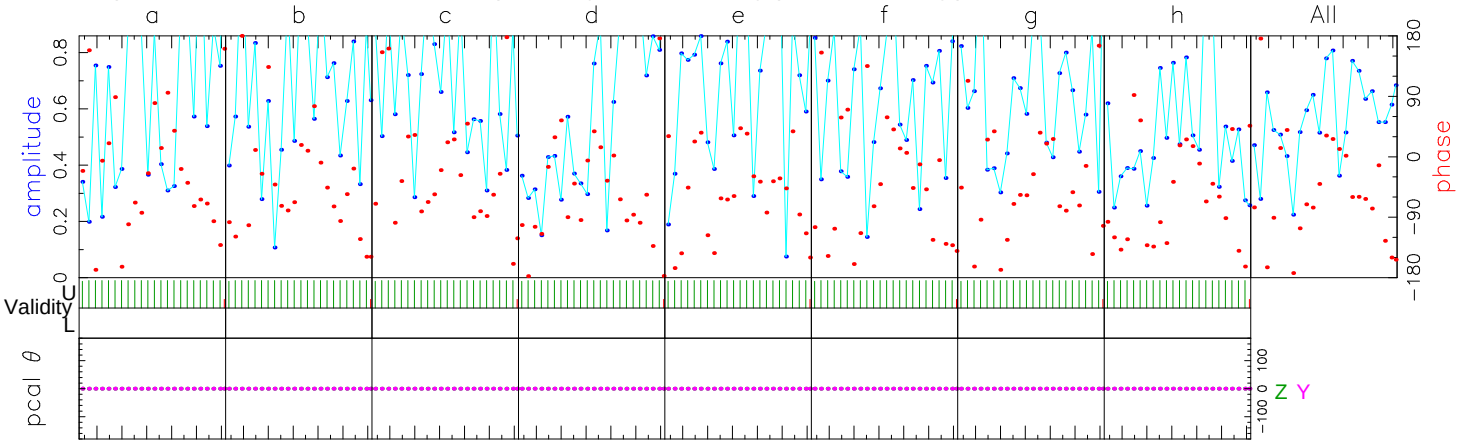
SNR 14.5
Int time 341.546
Amp 0.287
Phase -58.2
PFD 3.0e-37
Delays (us)
SBD -0.003237
MBD -0.003576
Fringe rate (Hz)
0.017240
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512





Exp. f202a
Exper # 16383
Yr:day 2020:282
Start 140016.89
Stop 140559.94
FRT 140300.00
Corr/FF/build
2020:285:204243
2020:285:205515
2020:234:093156
RA & Dec (J2000)
16h42m58.809967s
+39°48'36.993984"

Amp. and Phase vs. time for each freq., 23 segs, 30 APs / seg (15.36 sec / seg.), time ticks 30 sec



	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Freq (MHz)	All
	-61.5	-57.0	-52.9	-70.9	-37.7	-73.5	-60.2	-62.5	Phase	-58.2
	0.3	0.3	0.3	0.3	0.4	0.2	0.3	0.2	Ampl.	0.3
	8190.2	8191.6	8191.9	8192.9	8192.3	16367.7	8192.0	8193.2	Sbd box	8192.2
U/L	670/0	670/0	670/0	670/0	670/0	670/0	670/0	670/0	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	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
									Tracks	
Y	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
									Tracks	

Group delay (usec)(sbd)	-1.37468427129E+02	Apriori delay (usec)	-1.37464850800E+02	Resid mbdelay (usec)	-3.57633E-03	+/-	7.5E-05
Sband delay (usec)	-1.37468087550E+02	Apriori clock (usec)	-1.3524607E+01	Resid sbdelay (usec)	-3.23675E-03	+/-	5.9E-04
Phase delay (usec)	-1.37464852677E+02	Apriori clockrate (us/s)	-2.0400000E-07	Resid phdelay (usec)	-1.87676E-06	+/-	2.6E-07
Delay rate (us/s)	-4.11659265480E-01	Apriori rate (us/s)	-4.11659465625E-01	Resid rate (us/s)	2.00145E-07	+/-	1.3E-09
Total phase (deg)	-147.4	Apriori accel (us/s/s)	1.64280201075E-05	Resid phase (deg)	-58.2	+/-	7.9

	RMS	Theor.	Amplitude	0.287 +/- 0.020
ph/seg (deg)	67.4	19.0	Search (2048X32)	0.279
amp/seg (%)	109.8	33.1	Interp.	0.000
ph/frq (deg)	12.1	11.2	Inc. seg. avg.	0.535
amp/frq (%)	17.0	19.5	Inc. frq. avg.	0.286

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): 128
Data rate(Mb/s): 2048 nlags: 8192 t_cohere infinite

sb window (us)	-32.000	32.000
mb window (us)	-0.008	0.008
dr window (ns/s)	-0.011	0.011
ion window (TEC)	0.00	0.00

Z: az 182.5 el 69.5 pa 2.7 Y: az 83.5 el 69.9 pa -79.6 u,v (fr/asec) 3095.629 2528.286 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/f202a/FRINGE/1234/No0008/ZY..1DAGIA Output file: /Exps/f202a/FRINGE/1234/No0008/ZY.W.28.1DAGIA