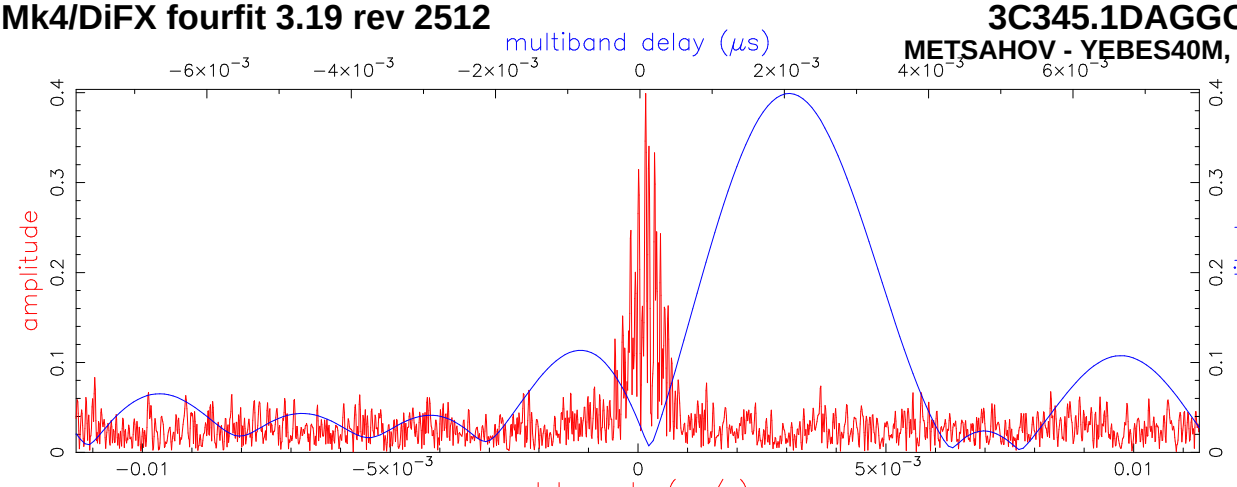
Mk4/DiFX fourfit 3.19 rev 2512

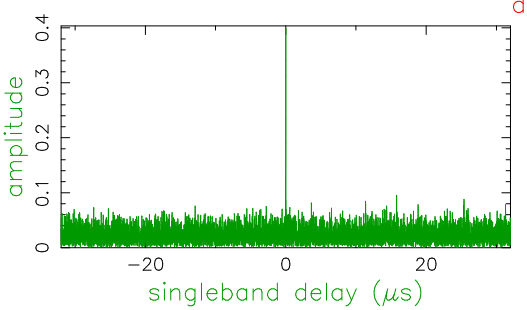
3C345.1DAGGO, No0007, ZY

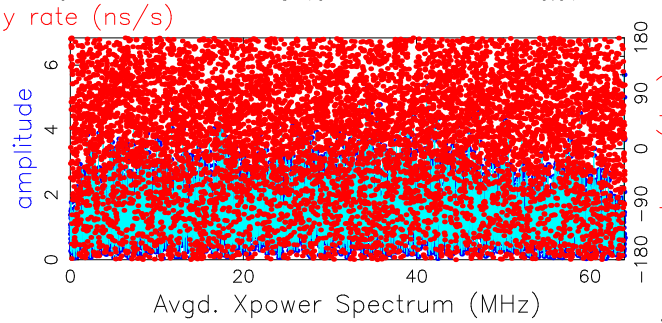
METSAHOV - YEBES40M, fgroup W, pol RL



Fringe quality 9

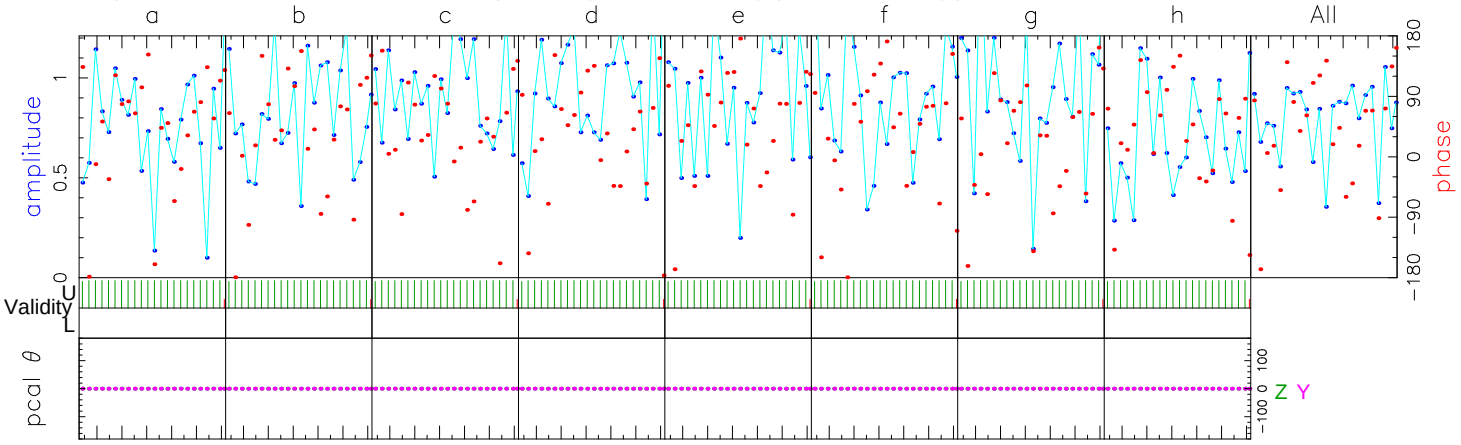
SNR 20.4
Int time 341.280
Amp 0.404
Phase 59.4
PFD 0.0e+00
Delays (us)
SBD 0.002515
MBD 0.002041
Fringe rate (Hz)
0.013172
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512





Exp. f202a
Exper # 16383
Yr:day 2020:282
Start 134516.89
Stop 135059.94
FRT 134800.00
Corr/FF/build
2020:285:203810
2020:285:205156
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
	66.3	59.5	41.6	47.6	69.7	79.3	49.6	60.9	Phase	59.4
	0.4	0.3	0.4	0.5	0.5	0.4	0.4	0.4	Ampl.	0.4
	8193.5	8192.9	8193.8	8193.7	8193.9	8193.4	8194.3	8192.8	Sbd box	8193.6
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	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids	
									Tracks	

Group delay (usec)(sbd)	2.39415764022E+02	Apriori delay (usec)	2.39413722656E+02	Resid mbdelay (usec)	2.04137E-03	+/-	5.3E-05
Sband delay (usec)	2.39416237656E+02	Apriori clock (usec)	-1.3524424E+01	Resid sbdelay (usec)	2.51500E-03	+/-	4.2E-04
Phase delay (usec)	2.39413724570E+02	Apriori clockrate (us/s)	-2.0400000E-07	Resid phdelay (usec)	1.91403E-06	+/-	1.8E-07
Delay rate (us/s)	-4.25547693396E-01	Apriori rate (us/s)	-4.25547846307E-01	Resid rate (us/s)	1.52911E-07	+/-	9.1E-10
Total phase (deg)	84.4	Apriori accel (us/s/s)	1.44239666763E-05	Resid phase (deg)	59.4	+/-	5.6

	RMS	Theor.	Amplitude	0.404 +/- 0.020
ph/seg (deg)	72.0	13.5	Search (2048X32)	0.394
amp/seg (%)	107.5	23.5	Interp.	0.000
ph/frq (deg)	13.6	7.9	Inc. seg. avg.	0.777
amp/frq (%)	11.6	13.9	Inc. frq. avg.	0.404

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 173.7 el 69.5 pa -3.1 Y: az 81.9 el 66.9 pa -78.6 u,v (fr/asec) 3202.329 2387.185 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/f202a/FRINGE/1234/No0007/ZY..1DAGGO Output file: /Exps/f202a/FRINGE/1234/No0007/ZY.W.60.1DAGGO