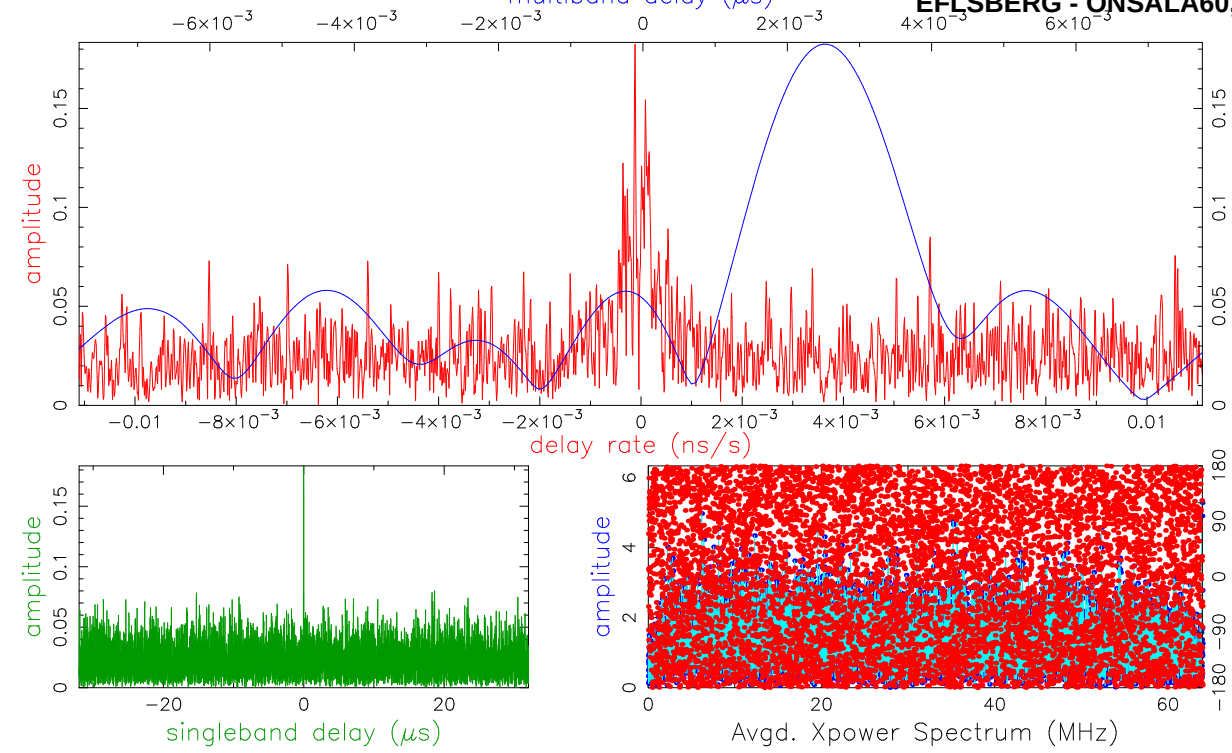
Mk4/DiFX fourfit 3.19 rev 2512

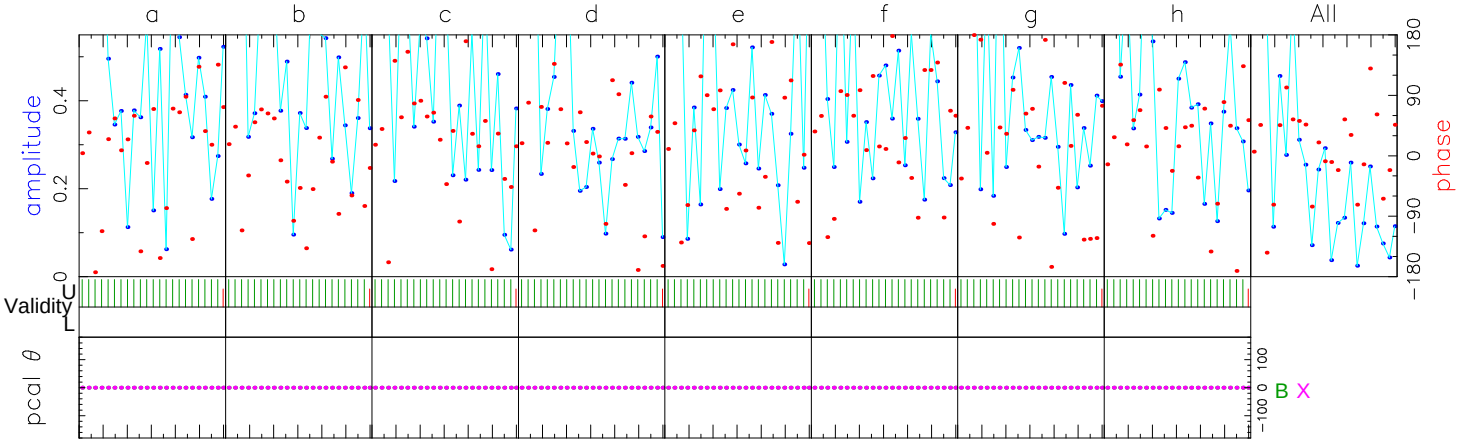
3C345.1DE4SZ, No0003, BX

EFLSBERG - ONSALA60, fgroup W, pol LL



Fringe quality	9
SNR	9.5
Int time	359.548
Amp	0.183
Phase	35.9
PFD	2.5e-11
Delays (us)	
SBD	-0.012626
MBD	0.002487
Fringe rate (Hz)	
	-0.010895
Ion TEC	0.000
Ref freq (MHz)	
	87940.0000
AP (sec)	0.512
Exp.	f202a
Exper #	16383
Yr:day	2020:282
Start	123000.00
Stop	123559.94
FRT	123300.00
Corr/FF/build	
	2020:287:200025
	2020:287:203414
	2020:234:093156
RA & Dec (J2000)	
	16h42m58.809967s
	+39°48'36.993984"

Amp. and Phase vs. time for each freq., 23 segs, 31 APs / seg (15.87 sec / seg.), time ticks 30 sec



	87812.00	87876.00	87940.00	88004.00	88068.00	88132.00	88196.00	88260.00	Freq (MHz)	All
	44.9	6.2	45.4	40.2	37.6	53.2	25.4	33.4	Phase	35.9
	0.2	0.2	0.3	0.2	0.1	0.2	0.1	0.2	Ampl.	0.2
	8387.0	8190.2	8188.8	1681.0	2550.2	3719.4	518.7	8189.0	Sbd box	8189.8
U/L	703/0	703/0	703/0	703/0	703/0	703/0	703/0	703/0	APs used	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
X	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
B:X	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
B:X	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
B	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
X	1000	1000	1000	1000	1000	1000	1000	1000		
B	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids Tracks	
X	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	Chan ids Tracks	

Group delay (usec)(sbd)	-2.04296745761E+02	Apriori delay (usec)	-2.04283607882E+02	Resid mbdelay (usec)	2.48712E-03	+/-	1.1E-04
Sband delay (usec)	-2.04296233882E+02	Apriori clock (usec)	-3.8115505E+01	Resid sbdelay (usec)	-1.26260E-02	+/-	9.1E-04
Phase delay (usec)	-2.04283606747E+02	Apriori clockrate (us/s)	-7.2800002E-07	Resid phdelay (usec)	1.13469E-06	+/-	3.8E-07
Delay rate (us/s)	1.17480880953E-01	Apriori rate (us/s)	1.17481004846E-01	Resid rate (us/s)	-1.23893E-07	+/-	1.8E-09
Total phase (deg)	-135.8	Apriori accel (us/s/s)	-4.21630009510E-06	Resid phase (deg)	35.9	+/-	12.1

	RMS	Theor.						
			Amplitude	0.183 +/- 0.019	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5		
ph/seg (deg)	68.9	28.9	Search (2048X32)	0.176	Pcal rate: 0.000E+00, 0.000E+00 (us/s)	sb window (us)	-32.000	32.000
amp/seg (%)	166.5	50.4	Interp.	0.000	Bits/sample: 2x2 SampCntNorm: enabled	mb window (us)	-0.008	0.008
ph/frq (deg)	15.8	17.0	Inc. seg. avg.	0.258	Sample rate(MSamp/s): 128	dr window (ns/s)	-0.011	0.011
amp/frq (%)	31.1	29.7	Inc. frq. avg.	0.180	Data rate(Mb/s): 2048 nlags: 8192 t_cohere infinite	ion window (TEC)	0.00	0.00

B: az 96.5 el 60.9 pa -55.3 X: az 114.2 el 62.0 pa -39.4 u,v (fr/asec) -901.331 -762.862 simultaneous interpolator

Control file: cf_1234_88GHz_gmva Input file: /Exps/f202a/FRINGE/1234/No0003/BX..1DE4SZ Output file: /Exps/f202a/FRINGE/1234/No0003/BX.W.26.1DE4SZ