

AlaVar generated report

F:\LC\lec78.dat

File 'F:\LC\lec78.dat' created on 25.04.2014 10:29:14

Column # 1 was processed

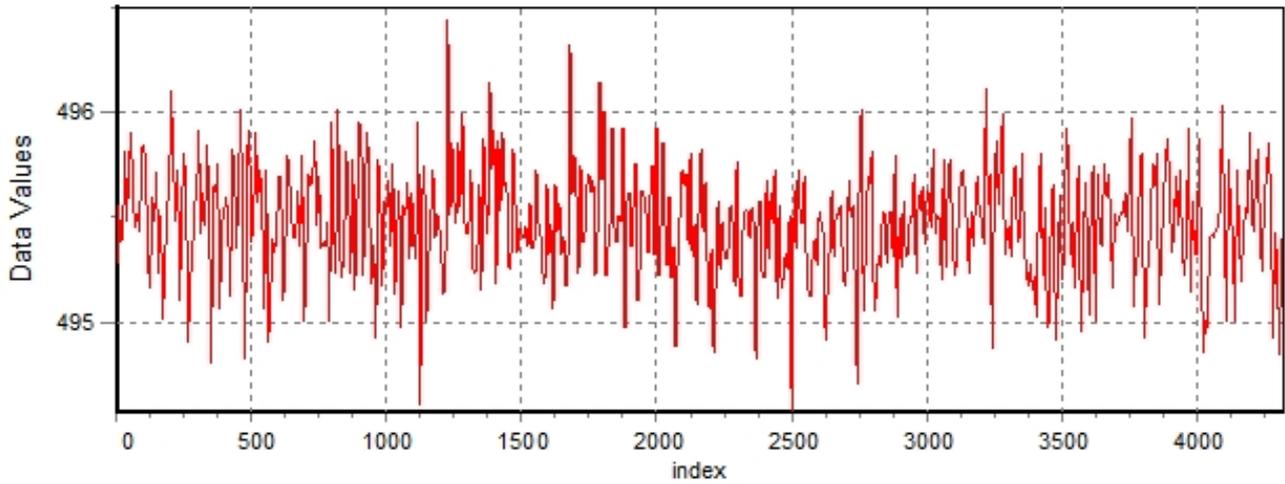
Data length N = 4320 points.

The mean Value of the processed data = 495.478

The Stanadrd Deviation of the processed data = 0.273425

AlaVar 5.2

Data Values

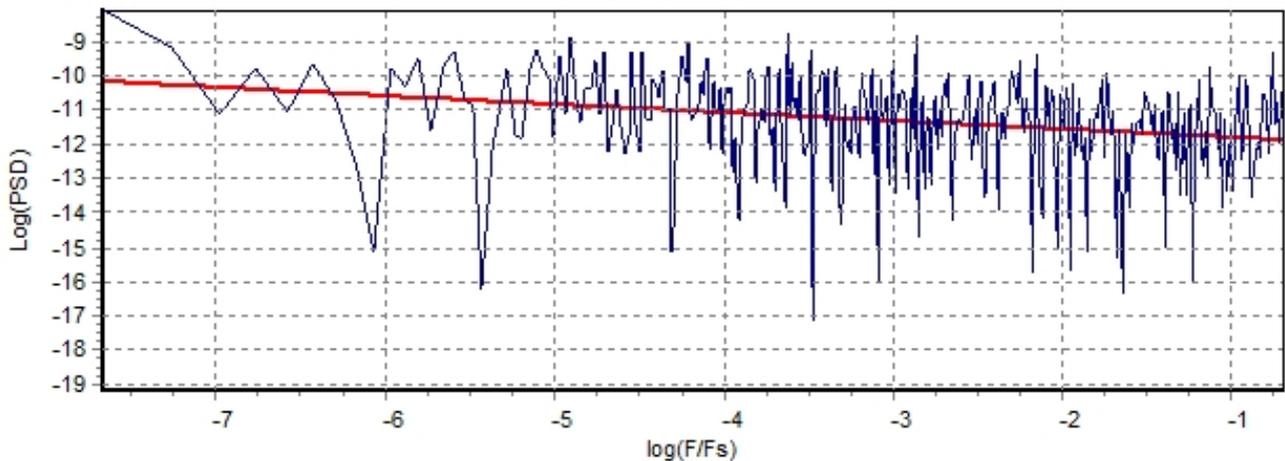


Produced by AlaVar 5.2

Figure 1 : Processed Data

AlaVar 5.2

PSD of Data



Produced by AlaVar 5.2

Figure 2 : Data PSD

The computation of the 3 ALLAN STD DEVs lasted 0.014000 seconds
 The error bars were computed for a : White FM
 The computation of the Error bars lasted 0.001 seconds

ADEV(tau) was fitted to a line :
 The Solpe of the line is =-0.389621
 The fit result is ADEV(tau=1) = Stability =0.798929

Tau = average Time
 ADEV = Overlapping ALLAN STD DEV.
 ADEV_Min = ADEV lower bound.
 ADEV_Max = ADEV upper bound.
 MDEV = Modified ALLAN STD DEV.
 TDEV = Time ALLAN STD DEV.
 HDEV = Overlapping HADAMARD STD DEV.

Tau	ADEV	ADEV_Min	ADEV_Max	MDEV	TDEV	HDEV
20	0.25386	0.25057	0.25727	0.25386	2.9313	0.25244
40	0.18686	0.18426	0.18958	0.15066	3.4793	0.18259
80	0.1442	0.14163	0.14691	0.10807	4.9914	0.14272
160	0.10906	0.10642	0.1119	0.081961	7.5712	0.10642
320	0.084531	0.081696	0.087683	0.062402	11.529	0.083084
640	0.065244	0.062212	0.068767	0.048439	17.898	0.064212
1280	0.049489	0.046318	0.053414	0.035996	26.601	0.049656
2560	0.035069	0.031993	0.039246	0.024892	36.791	0.035034
5120	0.023817	0.020978	0.028242	0.018088	53.468	0.020998
10240	0.0243	0.02039	0.031894	0.021984	129.97	0.020192
20480	0.033524	0.026264	0.054791	0.026067	308.22	0.033992

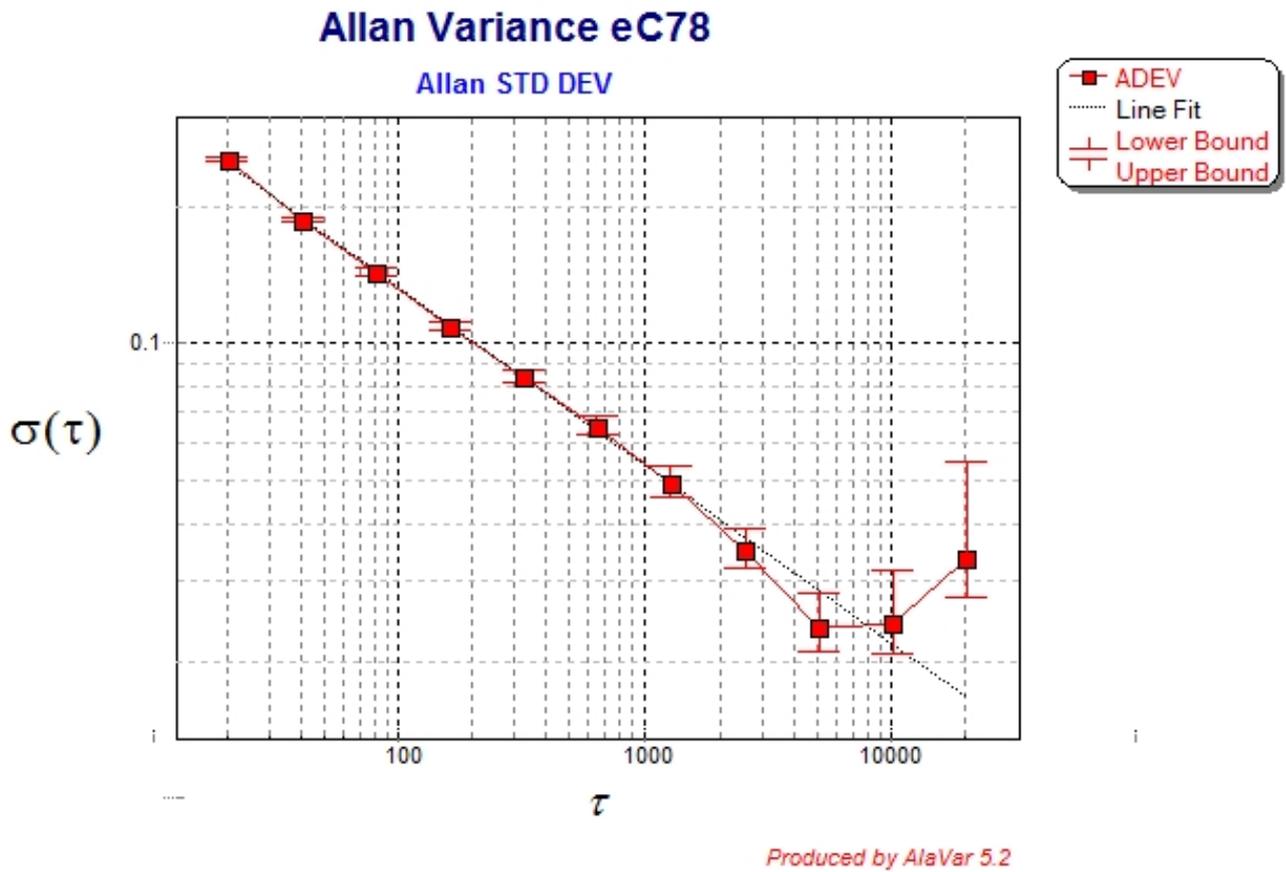


Figure 3 : Allan Standard Deviation