

AlaVar generated report

F:\LC\leC77.dat

File 'F:\LC\leC77.dat' created on 25.04.2014 10:27:16

Column # 1 was processed

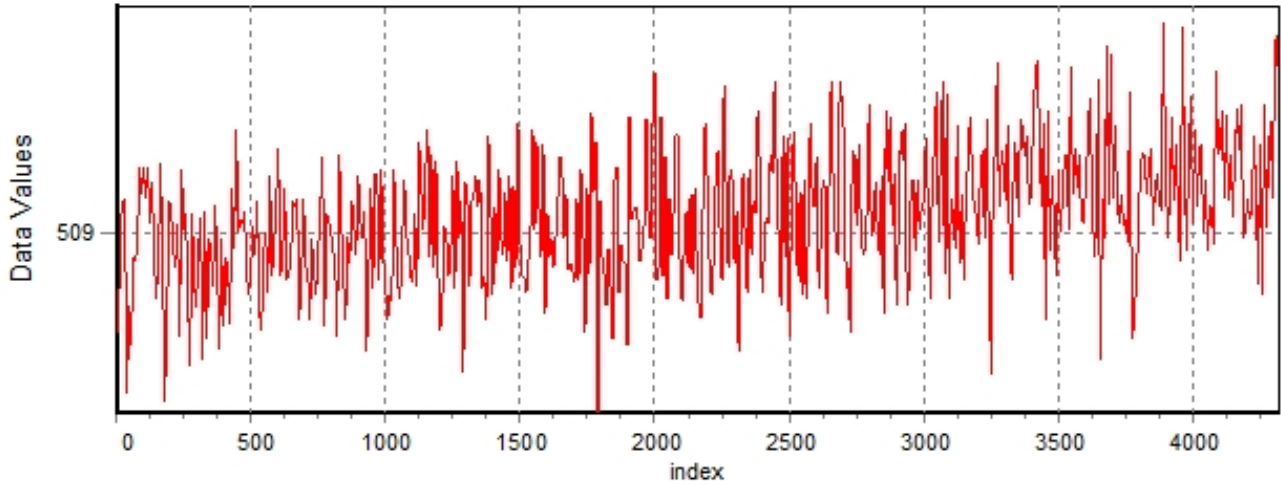
Data length N = 4320 points.

The mean Value of the processed data = 509.063

The Stanadrd Deviation of the processed data = 0.254934

AlaVar 5.2

Data Values

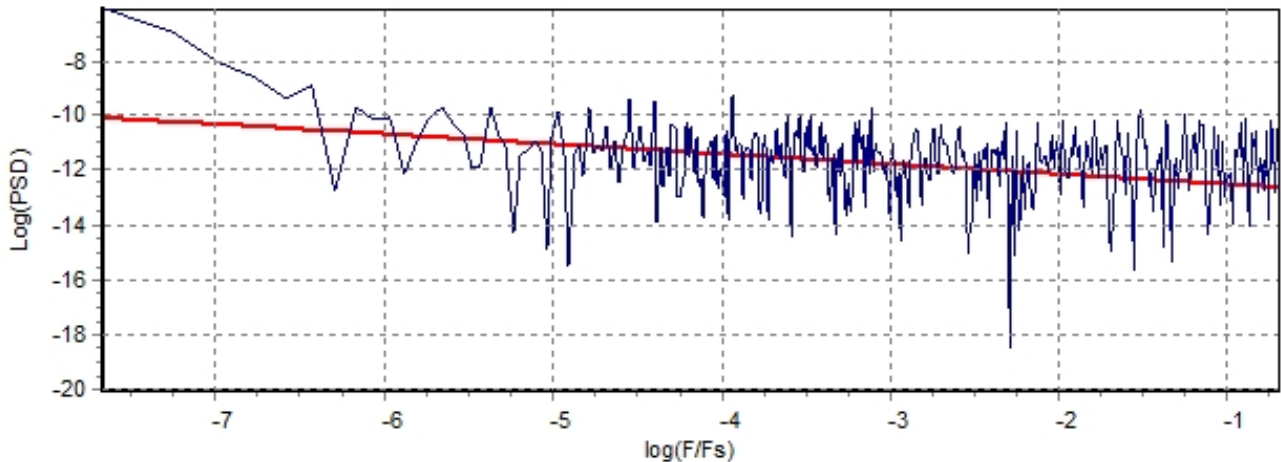


Produced by AlaVar 5.2

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 0.013000 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 =-0.477869
 The fit result is ADEV(tau=1) = Stability =0.968462

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	0.23556	0.23251	0.23872	0.23556	2.72	0.2364
40	0.16513	0.16283	0.16753	0.13089	3.0227	0.16475
80	0.11805	0.11595	0.12027	0.086263	3.9843	0.11809
160	0.08403	0.081995	0.086224	0.060439	5.5831	0.083593
320	0.06187	0.059795	0.064177	0.044884	8.2925	0.061601
640	0.044716	0.042638	0.04713	0.032141	11.876	0.044824
1280	0.029978	0.028057	0.032356	0.0208	15.371	0.029438
2560	0.022713	0.02072	0.025418	0.016634	24.585	0.021192
5120	0.022143	0.019503	0.026256	0.019474	57.565	0.017047
10240	0.032158	0.026984	0.042208	0.030385	179.64	0.01193
20480	0.05455	0.042736	0.089154	0.047452	561.08	0.01625

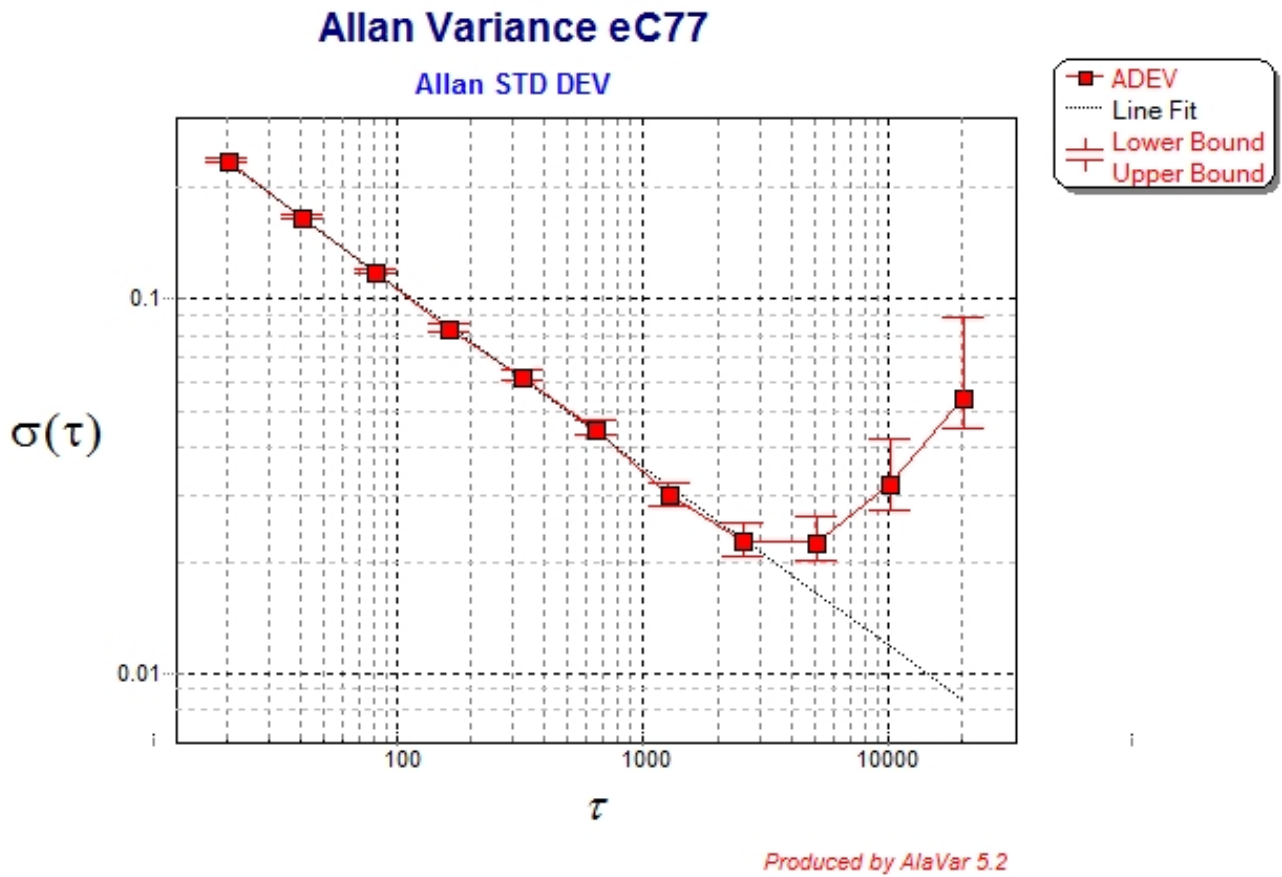


Figure 3 : Allan Standard Deviation