

AlaVar generated report

C:\Data\llec69.dat

File 'C:\Data\llec69.dat' created on 22.02.2013 09:11:20

Column # 1 was processed

Data length N = 8878 points.

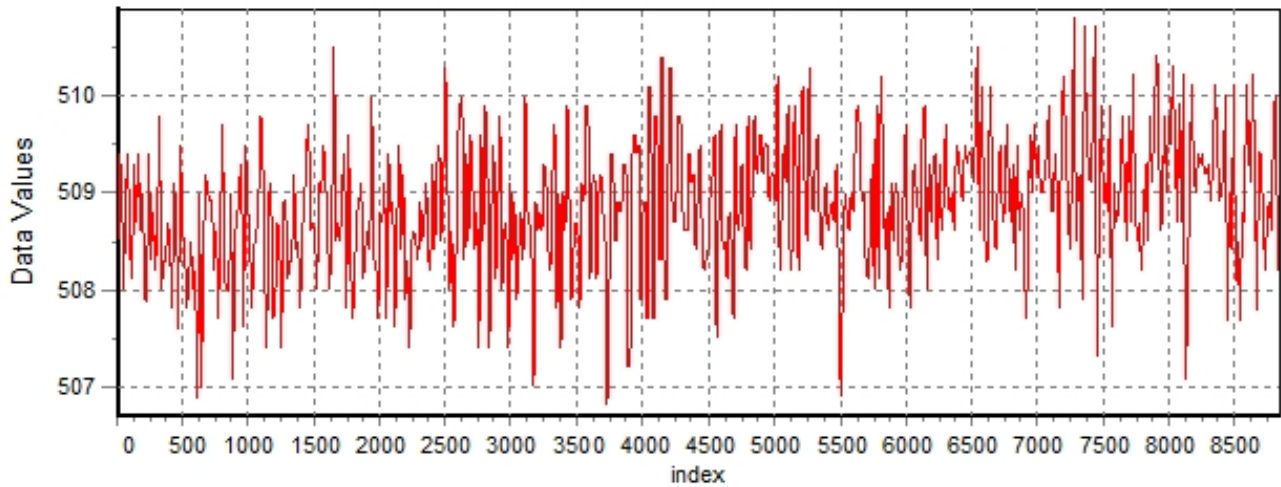
The mean Value of the processed data = 508.818

The Stanardr Deviation of the processed data = 0.711887

The number of removed outliers is 25

AlaVar 5.2

Data Values

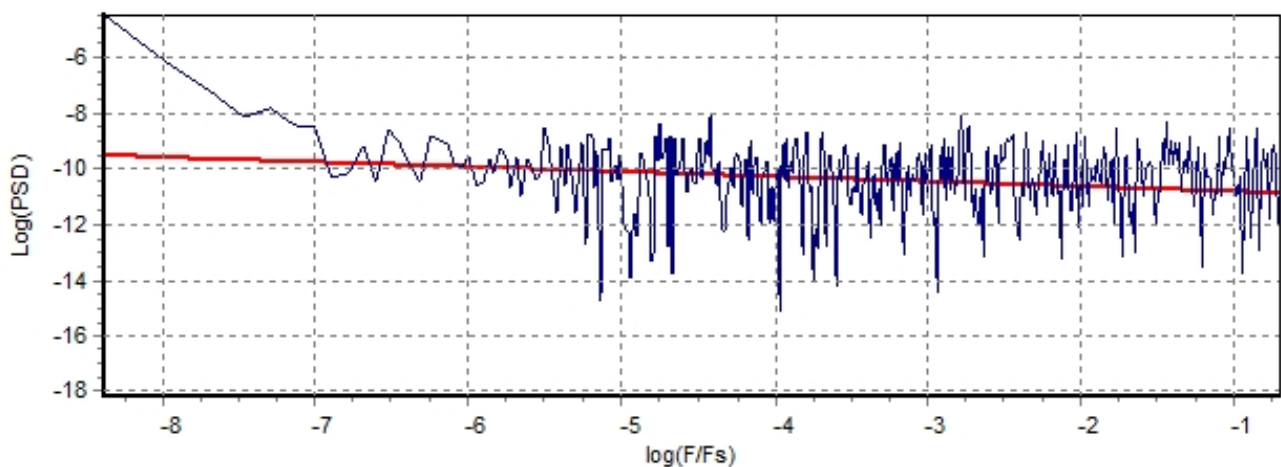


Produced by AlaVar 5.2

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 0.017000 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 Slope of the line is =-0.486656
 The fit result is ADEV(tau=1) = Stability =2.04286

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
10	0.67975	0.67357	0.6861	0.67975	3.9245	0.68139
20	0.47321	0.46857	0.47799	0.37258	4.3022	0.473
40	0.33578	0.33158	0.34015	0.24522	5.6631	0.33417
80	0.24202	0.23788	0.24638	0.17279	7.9806	0.24347
160	0.16751	0.16353	0.1718	0.11955	11.043	0.16591
320	0.12513	0.12099	0.12973	0.090679	16.753	0.12493
640	0.088533	0.084468	0.093248	0.062758	23.189	0.0882
1280	0.063225	0.05922	0.06817	0.045505	33.629	0.062355
2560	0.050436	0.046059	0.056354	0.038805	57.354	0.046114
5120	0.05101	0.044994	0.06033	0.04323	127.79	0.041969
10240	0.062932	0.052912	0.082204	0.063132	373.24	0.030348
20480	0.12118	0.095211	0.1957	0.12031	1422.5	0.042043

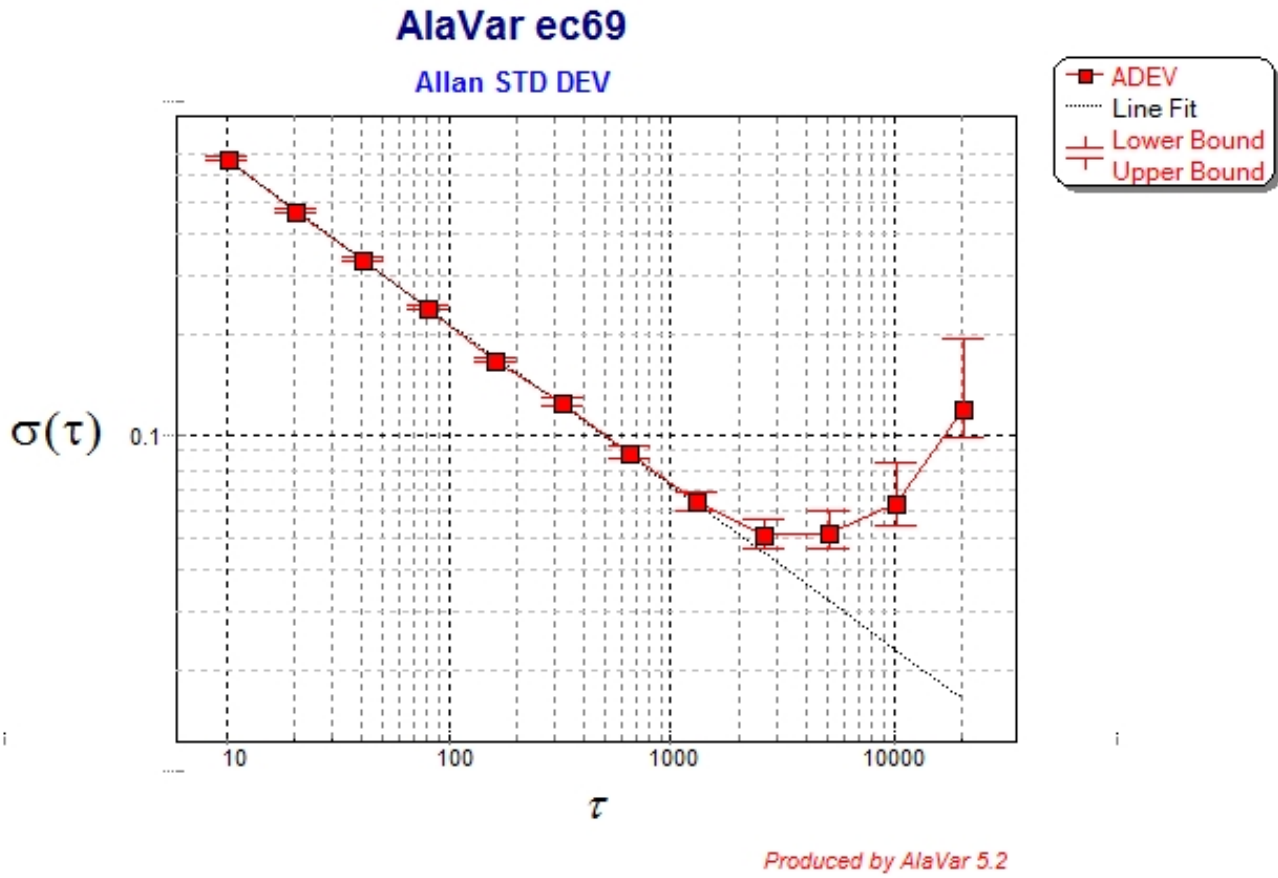


Figure 3 : Allan Standard Deviation