

AlaVar generated report

C:\Data\llec68.dat

File 'C:\Data\llec68.dat' created on 08.05.2013 09:20:48

Column # 1 was processed

Data length N = 20308 points.

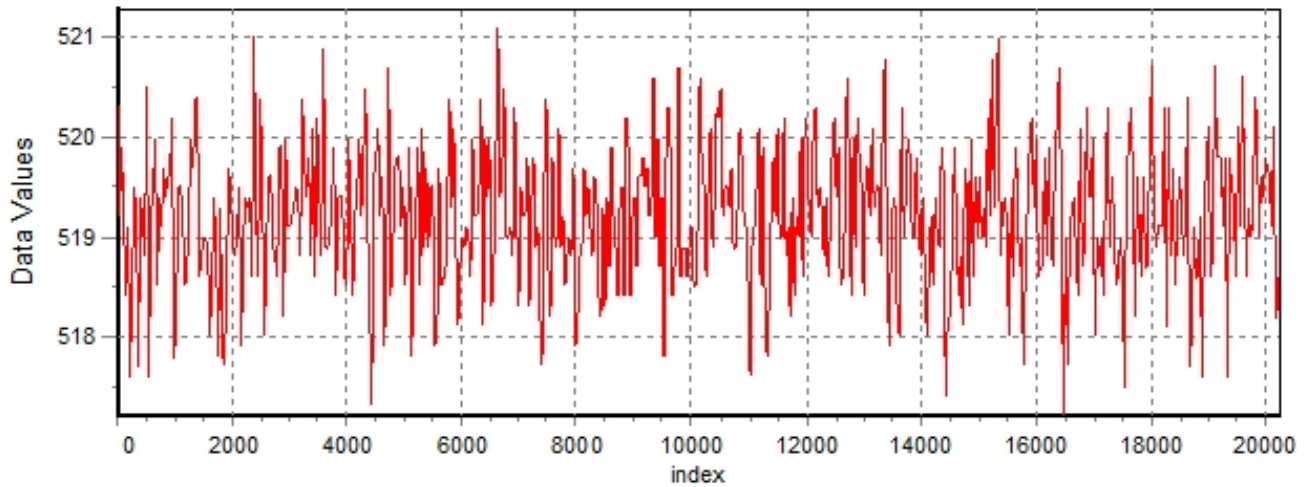
The mean Value of the processed data = 519.236

The Stanardr Deviation of the processed data = 0.704712

The number of removed outliers is 56

AlaVar 5.2

Data Values

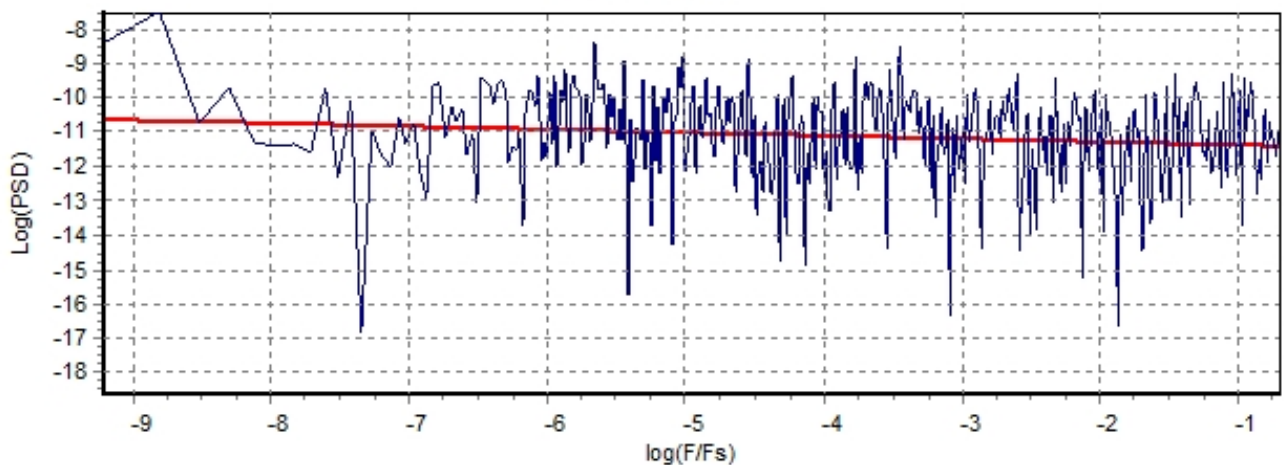


Produced by AlaVar 5.2

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 Solpe of the line is =-0.466258
 The fit result is ADEV(tau=1) = Stability =1.96454

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	0.68727	0.68313	0.6915	0.68727	3.968	0.68722
20	0.48758	0.48441	0.49082	0.38603	4.4575	0.48762
40	0.34595	0.34307	0.3489	0.25403	5.8667	0.34359
80	0.25128	0.24841	0.25424	0.18064	8.3435	0.25027
160	0.18172	0.17883	0.18475	0.13078	12.081	0.18117
320	0.1307	0.12779	0.13381	0.094197	17.403	0.12871
640	0.10035	0.097238	0.10378	0.074642	27.581	0.097692
1280	0.078889	0.075488	0.082794	0.057213	42.281	0.080018
2560	0.050989	0.047952	0.054686	0.035338	52.231	0.051515
5120	0.032191	0.029561	0.035675	0.021975	64.958	0.031088
10240	0.026742	0.023769	0.031208	0.021354	126.25	0.023115
20480	0.031231	0.026538	0.039808	0.028686	339.19	0.025265
40960	0.037949	0.030271	0.057817	0.024268	573.9	0.038477

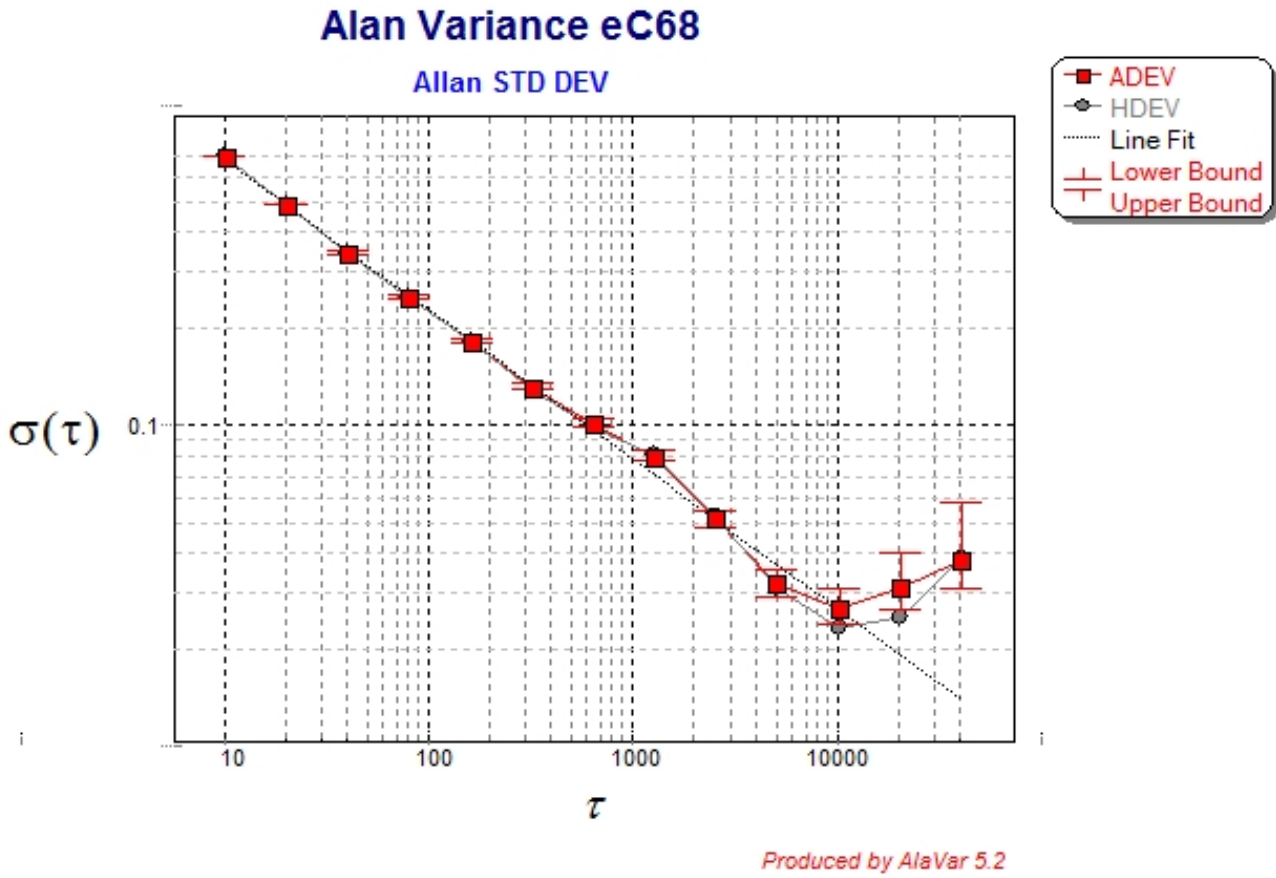


Figure 3 : Allan Standard Deviation