

AlaVar generated report

C:\Data\clec74.dat

File 'C:\Data\clec74.dat' created on 29.05.2013 09:20:00

Column # 1 was processed

Data length N = 9621 points.

The mean Value of the processed data = 499.92

The Stanardr Deviation of the processed data = 0.755497

The number of removed outliers is 24

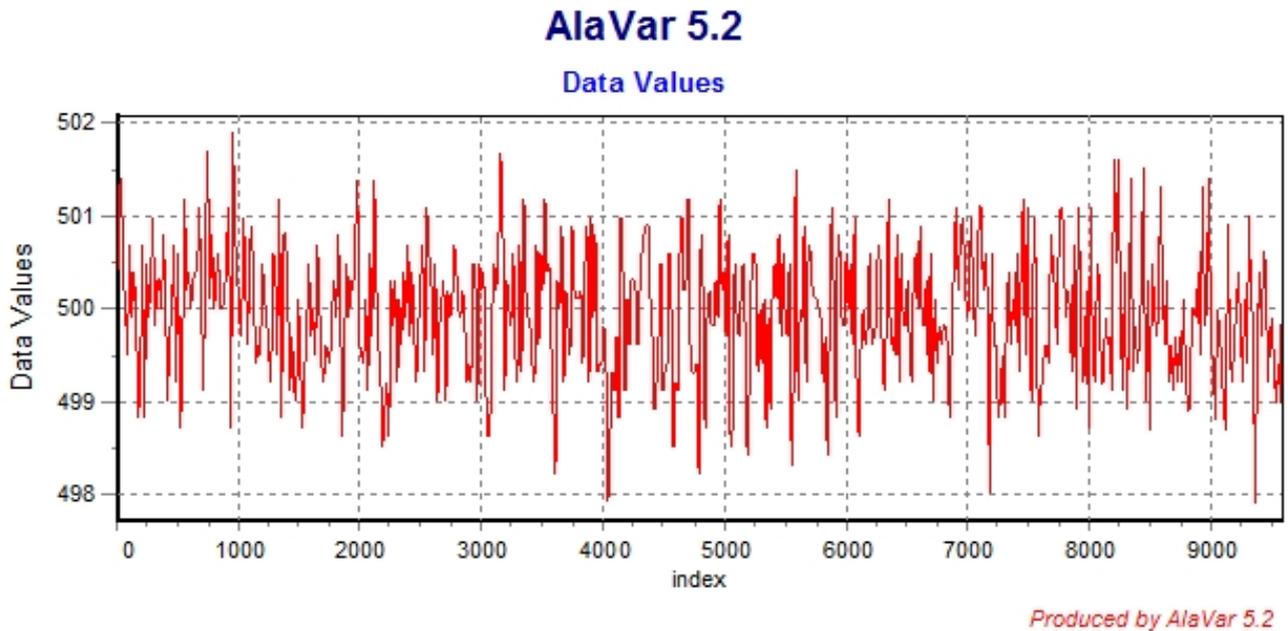


Figure 1 : Processed Data

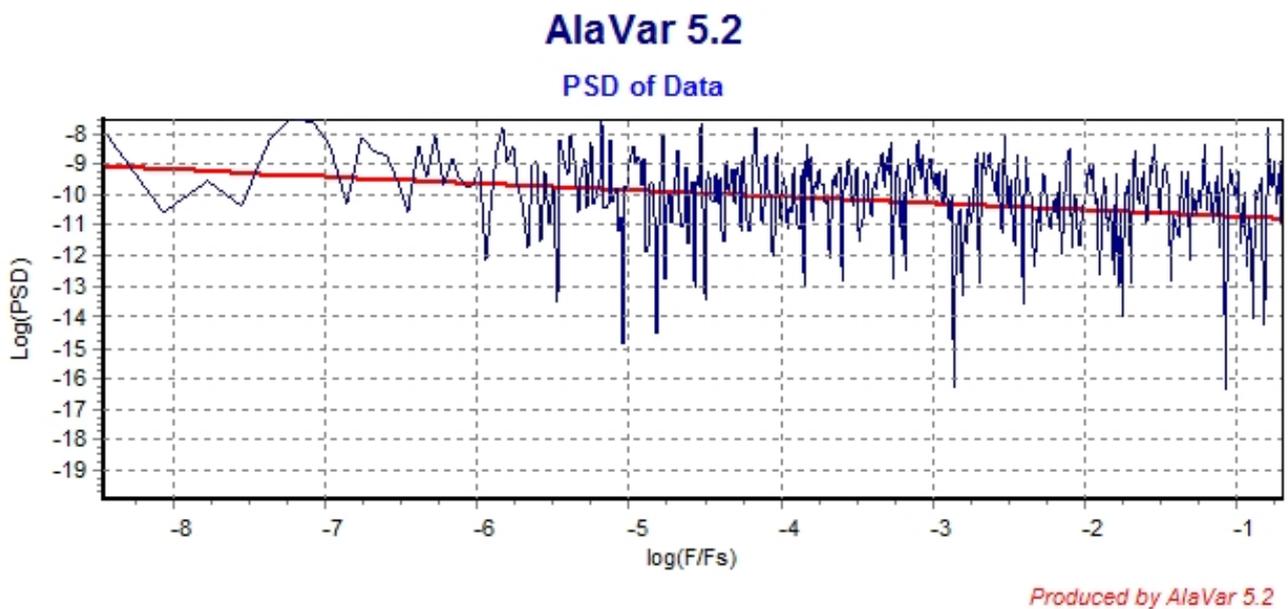


Figure 2 : Data PSD

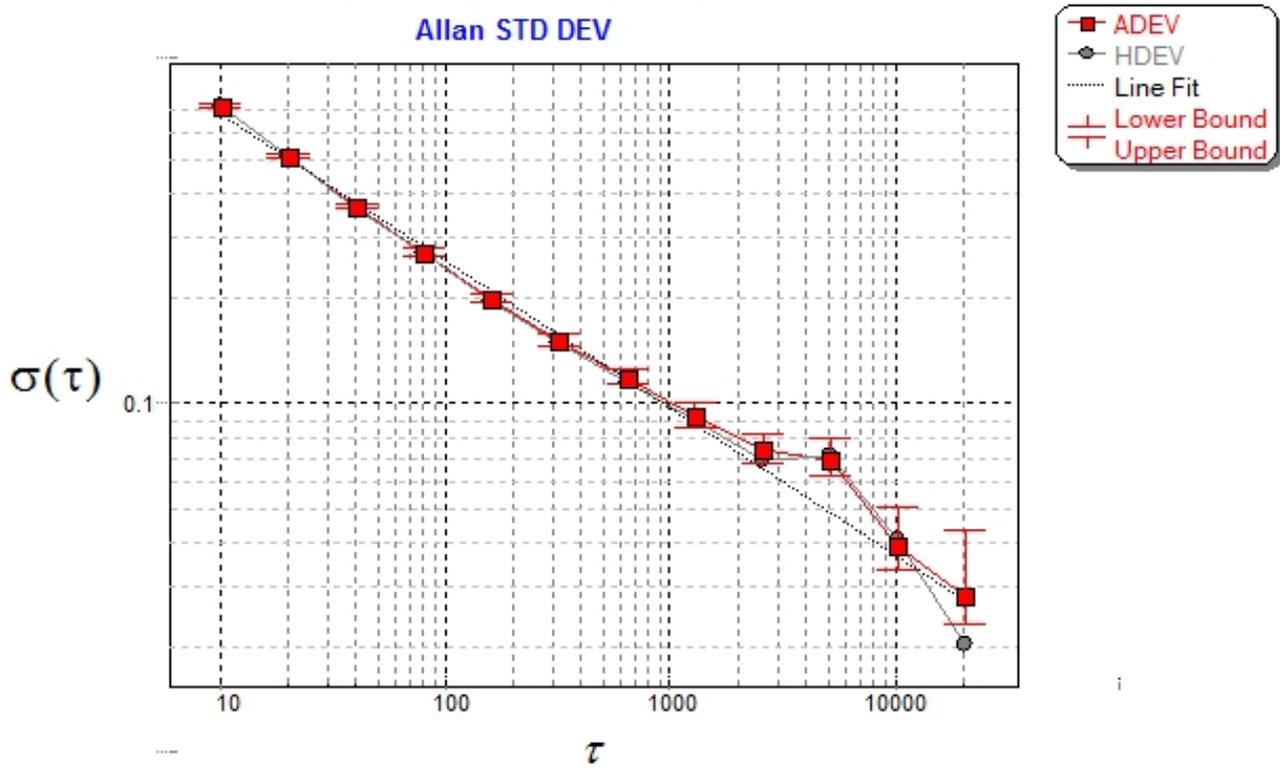
The computation of the 3 ALLAN STD DEVs lasted 0.015000 seconds
 The error bars were computed for a : White FM
 The computation of the Error bars lasted 0.001 seconds

ADEV(tau) was fitted to a line :
 The Slope of the line is =-0.424116
 The fit result is ADEV(tau=1) = Stability =1.82631

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	0.72725	0.7209	0.73377	0.72725	4.1988	0.72564
20	0.5189	0.51401	0.52393	0.4108	4.7436	0.51802
40	0.37175	0.36728	0.37639	0.27418	6.332	0.36857
80	0.27509	0.27057	0.27985	0.20059	9.2649	0.27285
160	0.20241	0.19778	0.20737	0.14791	13.663	0.1992
320	0.15363	0.14874	0.15904	0.11236	20.758	0.1513
640	0.11916	0.11389	0.12524	0.089899	33.218	0.1162
1280	0.093225	0.087534	0.10019	0.068985	50.981	0.090142
2560	0.074355	0.068132	0.082665	0.058188	86.002	0.069087
5120	0.068702	0.060881	0.080592	0.053148	157.11	0.071534
10240	0.039345	0.033294	0.050622	0.023791	140.65	0.040751
20480	0.027934	0.02215	0.043495	0.022357	264.35	0.020372

Alan Variance eC74 Allan STD DEV



Produced by AlaVar 5.2

Figure 3 : Allan Standard Deviation