

AlaVar generated report

C:\Data\clec71.dat

File 'C:\Data\clec71.dat' created on 08.05.2013 09:32:20

Column # 1 was processed

Data length N = 7579 points.

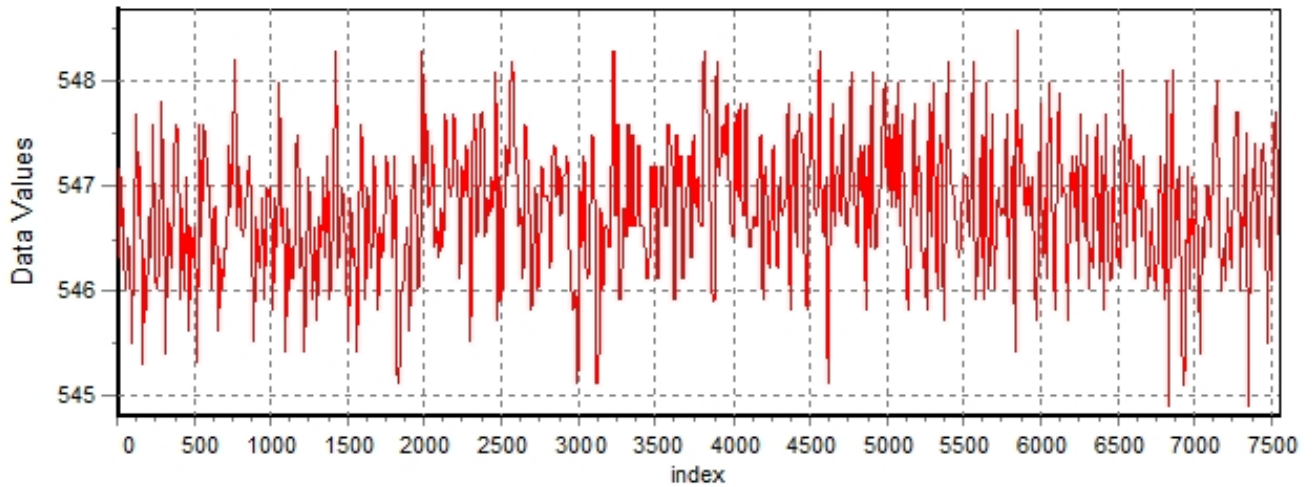
The mean Value of the processed data = 546.766

The Stanadrd Deviation of the processed data = 0.674534

The number of removed outliers is 20

AlaVar 5.2

Data Values

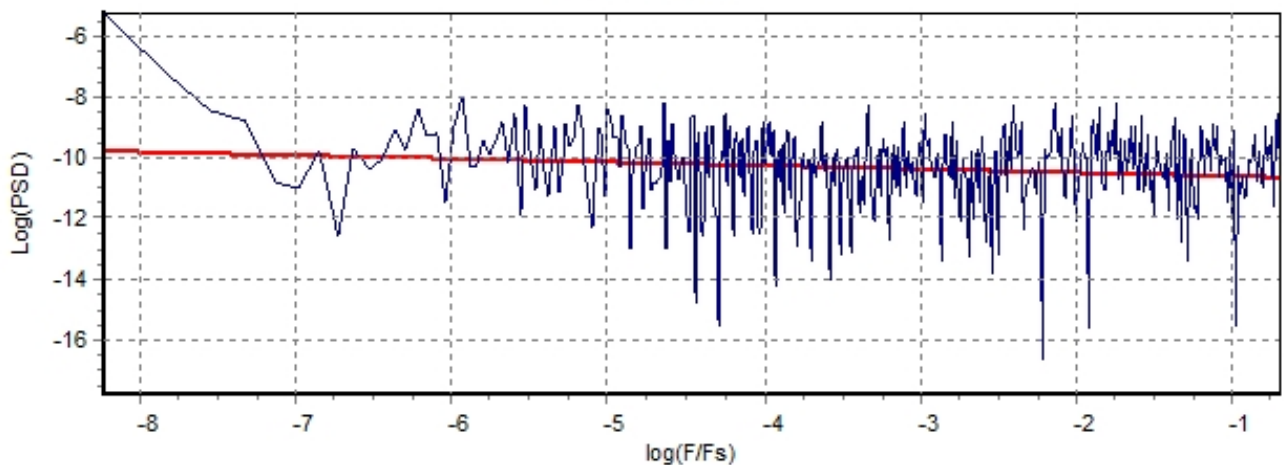


Produced by AlaVar 5.2

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 0.015000 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 =-0.473264
 The fit result is ADEV(tau=1) = Stability =1.88123

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	0.65451	0.64808	0.66113	0.65451	3.7788	0.65457
20	0.46246	0.45756	0.46752	0.36536	4.2188	0.46275
40	0.32634	0.32192	0.33094	0.2381	5.4988	0.32664
80	0.22791	0.22371	0.23237	0.16084	7.429	0.22843
160	0.15927	0.15519	0.1637	0.11316	10.453	0.15702
320	0.12171	0.11737	0.12657	0.089422	16.521	0.11891
640	0.094748	0.090063	0.10025	0.070283	25.97	0.092625
1280	0.073098	0.068119	0.079355	0.053992	39.901	0.073071
2560	0.053402	0.048429	0.060305	0.039674	58.638	0.051459
5120	0.052742	0.046078	0.063491	0.049843	147.34	0.032197
10240	0.086045	0.071384	0.11623	0.068872	407.18	0.048303
20480	0.087974	0.067795	0.15515	0.054977	650.05	0.095288

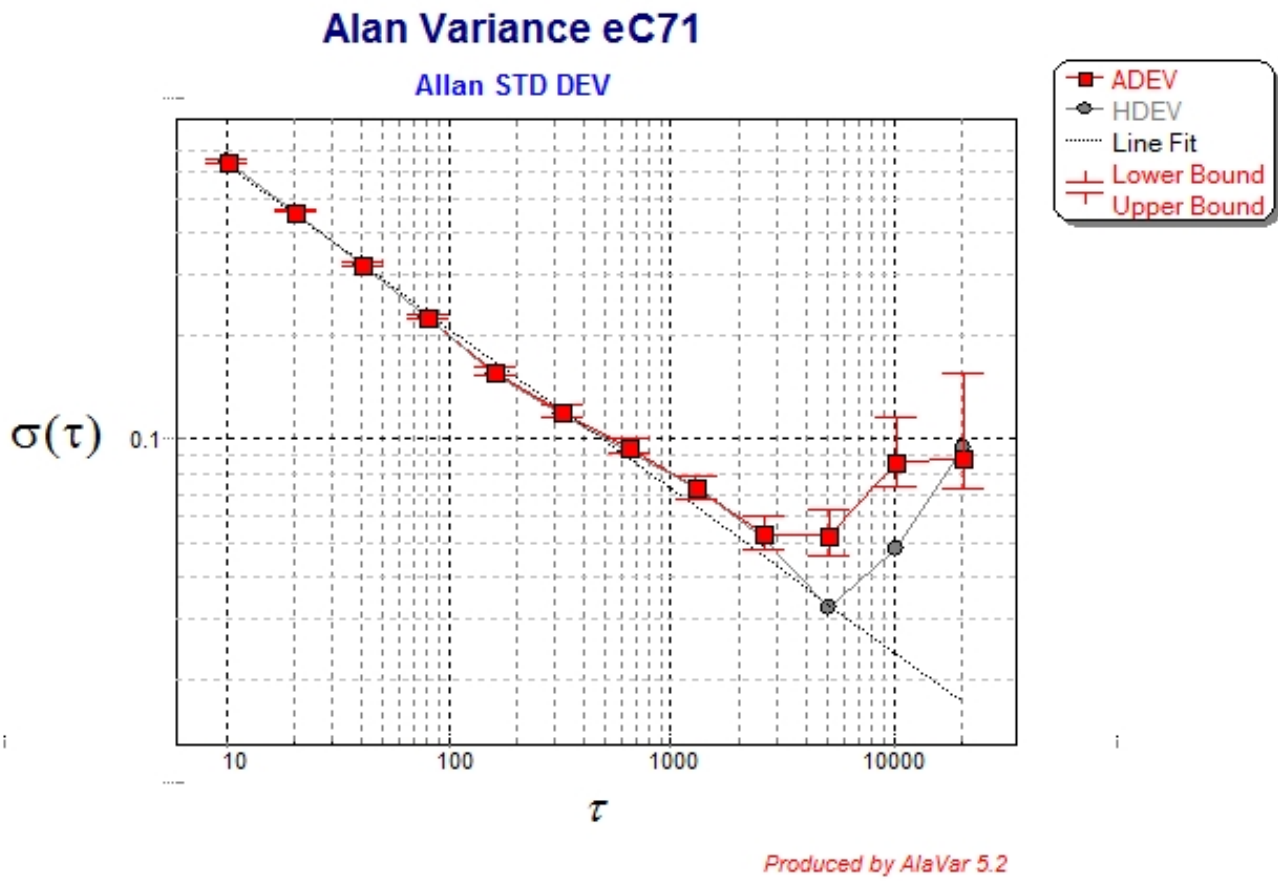


Figure 3 : Allan Standard Deviation