

AlaVar generated report

C:\temp\Data\LC100EC109.dat

File 'C:\temp\Data\LC100EC109.dat' created on 11.04.2018 06:46:46

Column # 1 was processed

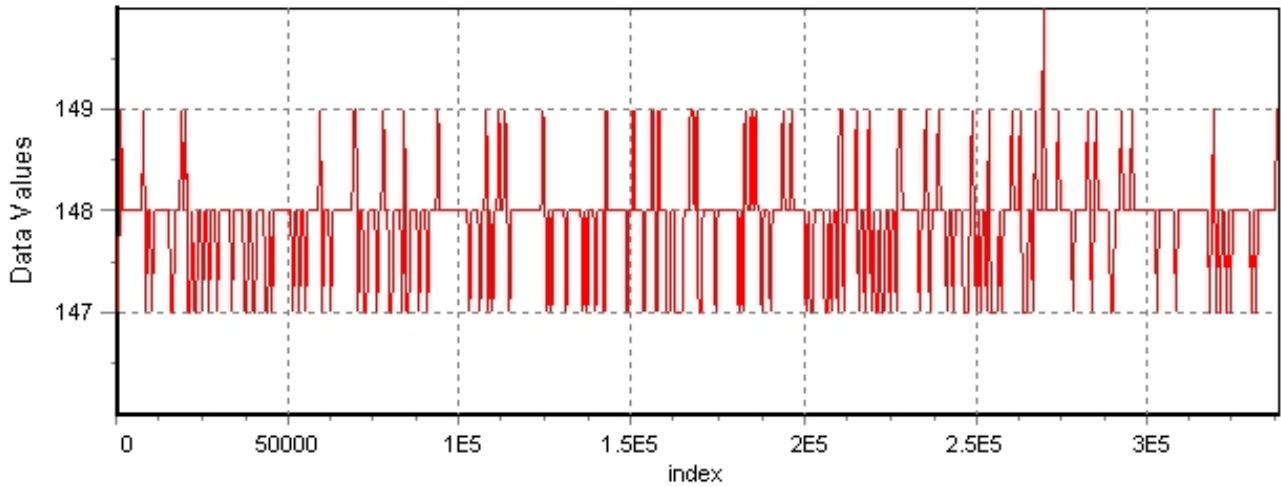
Data length N = 338395 points.

The mean Value of the processed data = 147.871

The Stanadrd Deviation of the processed data = 0.563102

AlaVar 5.2

Data Values

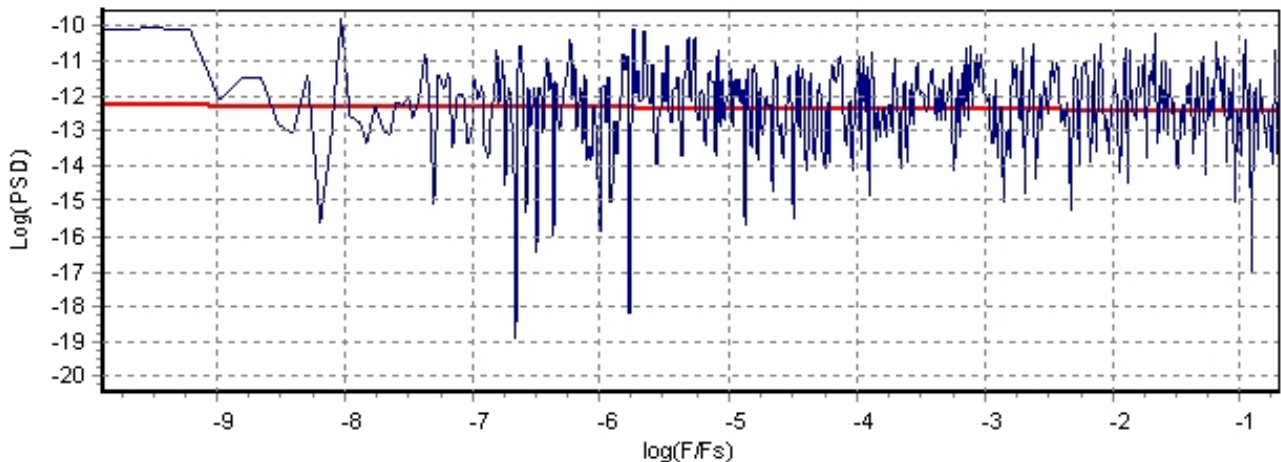


Produced by AlaVar 5.2

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 0.547000 seconds
 The error bars were computed for a : White FM
 The computation of the Error bars lasted 0.015 seconds

ADEV(tau) was fitted to a line :
 The Slope of the line is =-0.501643
 The fit result is ADEV(tau=1) = Stability =0.282032

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
0.25	0.56241	0.56157	0.56325	0.56241	0.081176	0.56232
0.5	0.39785	0.39721	0.39849	0.31461	0.09082	0.39753
1	0.28223	0.28165	0.28281	0.20578	0.1188	0.28237
2	0.19909	0.19853	0.19966	0.14195	0.16391	0.19883
4	0.1416	0.14104	0.14217	0.10042	0.23191	0.14172
8	0.099656	0.099101	0.10022	0.070381	0.32508	0.09975
16	0.070361	0.069808	0.070927	0.049801	0.46005	0.070337
32	0.049835	0.049284	0.050405	0.035252	0.65128	0.049814
64	0.035082	0.034538	0.035654	0.024715	0.91324	0.03511
128	0.02476	0.024221	0.025336	0.017453	1.2898	0.024804
256	0.017269	0.016744	0.017846	0.01227	1.8135	0.016922
512	0.013208	0.01265	0.013847	0.0097772	2.8902	0.012767
1024	0.01057	0.0099527	0.011318	0.0080229	4.7432	0.0099883
2048	0.0094492	0.0086922	0.010446	0.0073926	8.7411	0.0081369
4096	0.009273	0.0082614	0.010778	0.0075001	17.736	0.0084765
8192	0.0080137	0.0068317	0.010141	0.0056141	26.553	0.0089417
16384	0.0050374	0.004037	0.0075502	0.0037806	35.762	0.002787

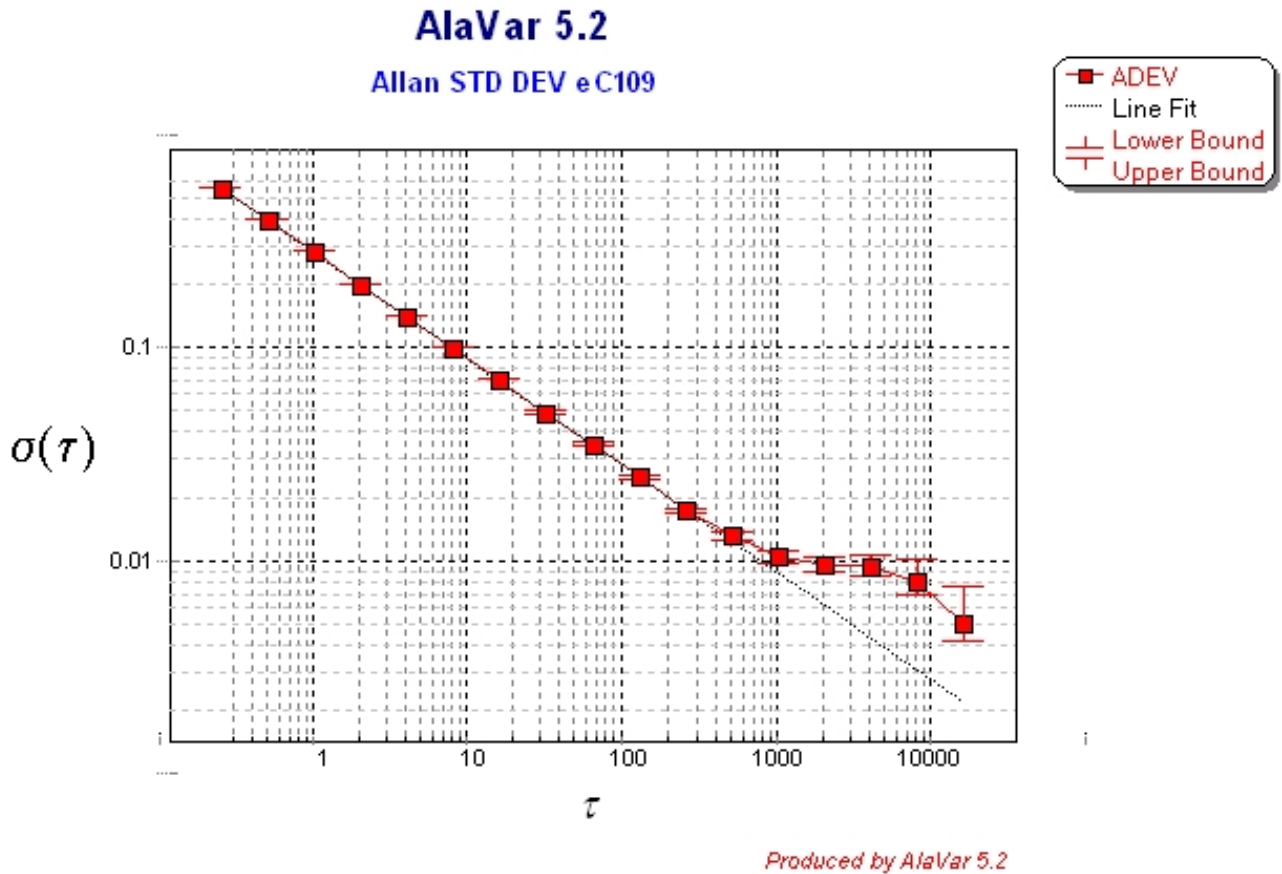


Figure 3 : Allan Standard Deviation