

AlaVar generated report

E:\allan\LC150EC101.dat

File 'E:\allan\LC150EC101.dat' created on 04.04.2017 07:44:18

Column # 1 was processed

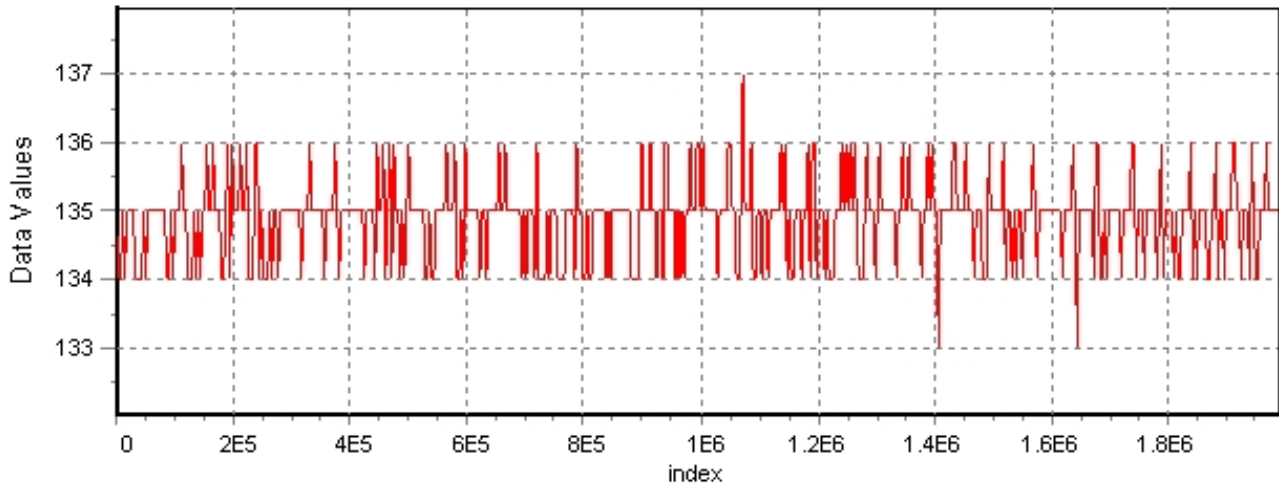
Data length N = 1989121 points.

The mean Value of the processed data = 134.927

The Stanardd Deviation of the processed data = 0.592062

AlaVar 5.2

Data Values

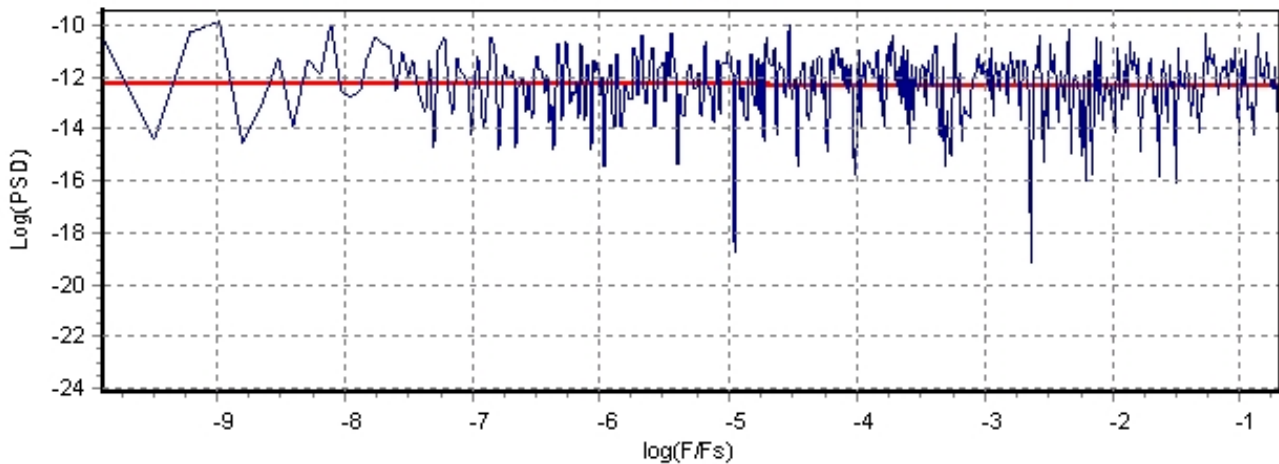


Produced by AlaVar 5.2

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 2.984000 seconds
 The error bars were computed for a : White FM
 The computation of the Error bars lasted 0 seconds

ADEV(tau) was fitted to a line :
 The Solpe of the line is =-0.49272
 The fit result is ADEV(tau=1) = Stability =0.291376

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	0.58607	0.58571	0.58643	0.58607	0.084592	0.58607
0.5	0.41429	0.41402	0.41457	0.3274	0.094513	0.41443
1	0.29254	0.2923	0.29279	0.21321	0.12309	0.2925
2	0.20697	0.20673	0.20722	0.14743	0.17024	0.20704
4	0.14618	0.14594	0.14642	0.1036	0.23924	0.14613
8	0.10343	0.10319	0.10367	0.073103	0.33765	0.10347
16	0.073145	0.072906	0.073386	0.05181	0.4786	0.073065
32	0.052009	0.051769	0.052252	0.036872	0.68121	0.051944
64	0.037105	0.036864	0.03735	0.026403	0.97561	0.037058
128	0.026377	0.026136	0.026625	0.018753	1.3859	0.026275
256	0.019046	0.018801	0.0193	0.013652	2.0178	0.018909
512	0.014003	0.013751	0.01427	0.010135	2.9958	0.013871
1024	0.010388	0.010125	0.010672	0.0075205	4.4461	0.010246
2048	0.0078899	0.0076122	0.0082003	0.005987	7.0792	0.0074386
4096	0.0071192	0.0067718	0.0075263	0.0057921	13.697	0.0061917
8192	0.0078354	0.0073085	0.0084956	0.0068736	32.51	0.0055336
16384	0.011402	0.010353	0.012851	0.010355	97.953	0.0052122
32768	0.017336	0.015172	0.020801	0.015135	286.33	0.006955
65536	0.029358	0.024414	0.03941	0.027912	1056.1	0.010026
1.3107e+05	0.053561	0.04142	0.092849	0.053858	4075.7	0.012407

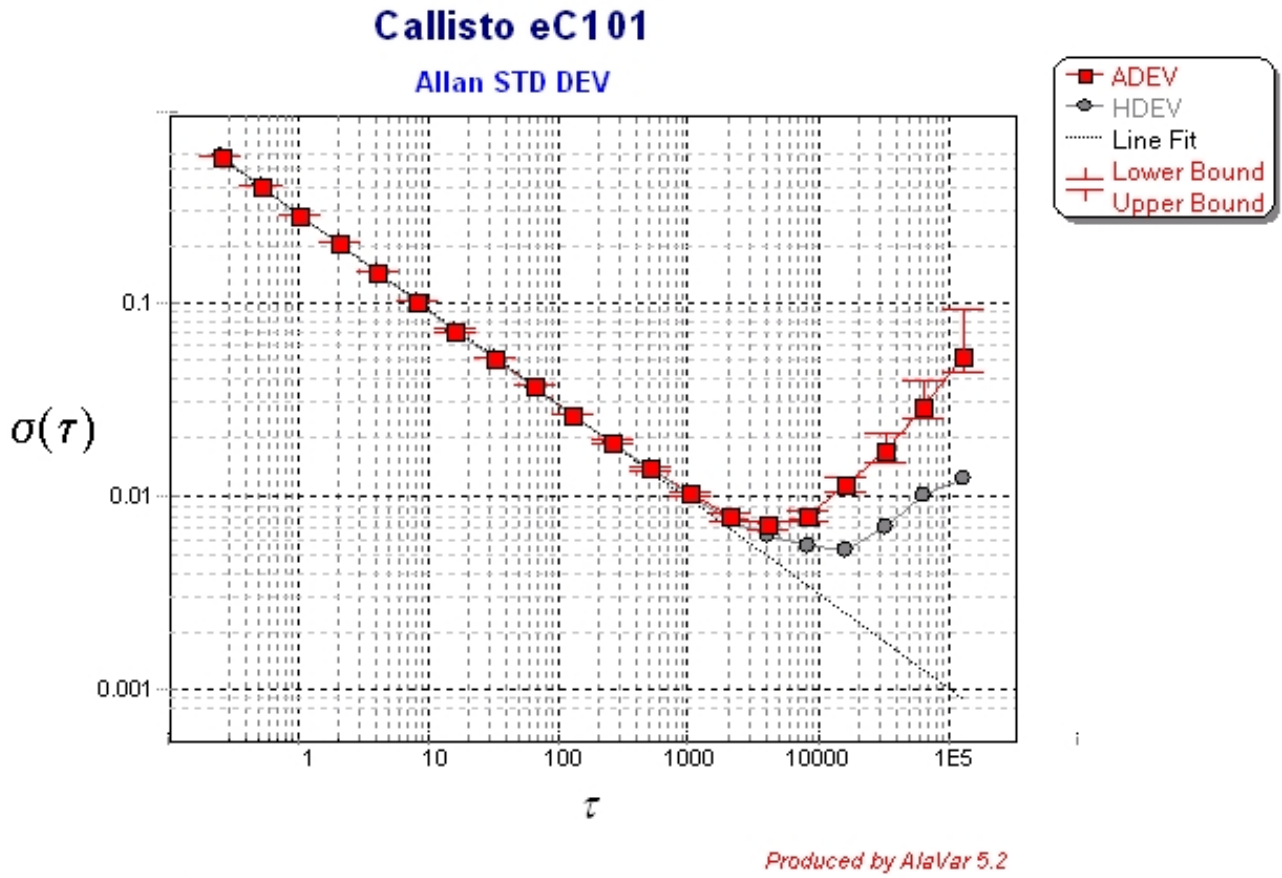


Figure 3 : Allan Standard Deviation