

AlaVar generated report

F:\allan\97\LC100.dat

File 'F:\allan\97\LC100.dat' created on 26.01.2017 10:46:08

Column # 1 was processed

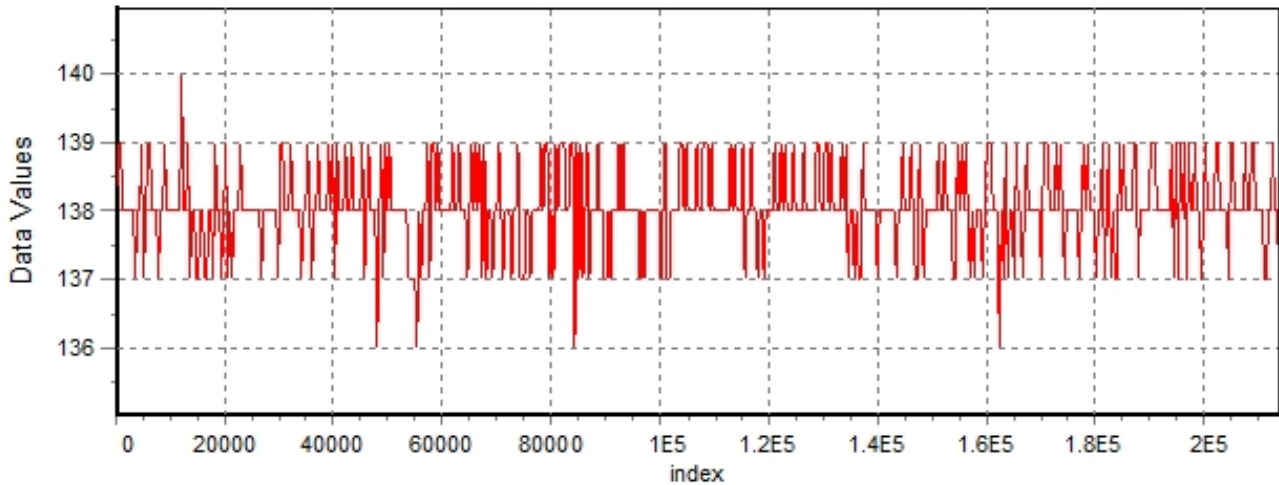
Data length N = 213844 points.

The mean Value of the processed data = 138.028

The Stanadrd Deviation of the processed data = 0.640444

AlaVar 5.2

Data Values

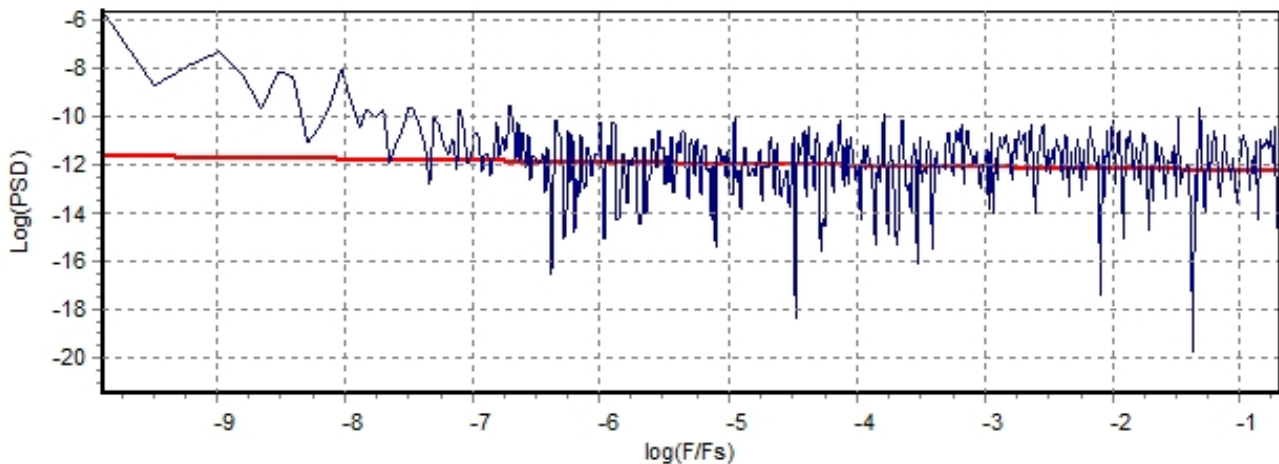


Produced by AlaVar 5.2

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 0.170000 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 =-0.5
 The fit result is ADEV(tau=1) = Stability =0.322362

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	0.63602	0.63483	0.63721	0.63602	0.091802	0.63614
0.5	0.44958	0.44868	0.4505	0.35563	0.10266	0.44933
1	0.31855	0.31773	0.31938	0.23201	0.13395	0.31892
2	0.22411	0.22331	0.22491	0.15945	0.18412	0.22435
4	0.15767	0.15688	0.15846	0.11134	0.25713	0.1578
8	0.11144	0.11066	0.11224	0.079167	0.36566	0.11092
16	0.080081	0.079293	0.080894	0.05682	0.52488	0.079889
32	0.057784	0.056984	0.058618	0.041868	0.77352	0.056715
64	0.044236	0.043377	0.045149	0.032483	1.2003	0.043337
128	0.034708	0.033766	0.035734	0.026496	1.9581	0.032539
256	0.03133	0.030146	0.032666	0.024562	3.6302	0.028877
512	0.028867	0.027356	0.03066	0.0233	6.8875	0.025864
1024	0.029006	0.026917	0.031673	0.024076	14.234	0.025377
2048	0.032804	0.029577	0.037385	0.02723	32.197	0.023916
4096	0.029119	0.025237	0.0356	0.023628	55.875	0.019986
8192	0.031985	0.02624	0.044554	0.025001	118.25	0.012849
16384	0.042081	0.031906	0.081252	0.033518	317.05	0.036479

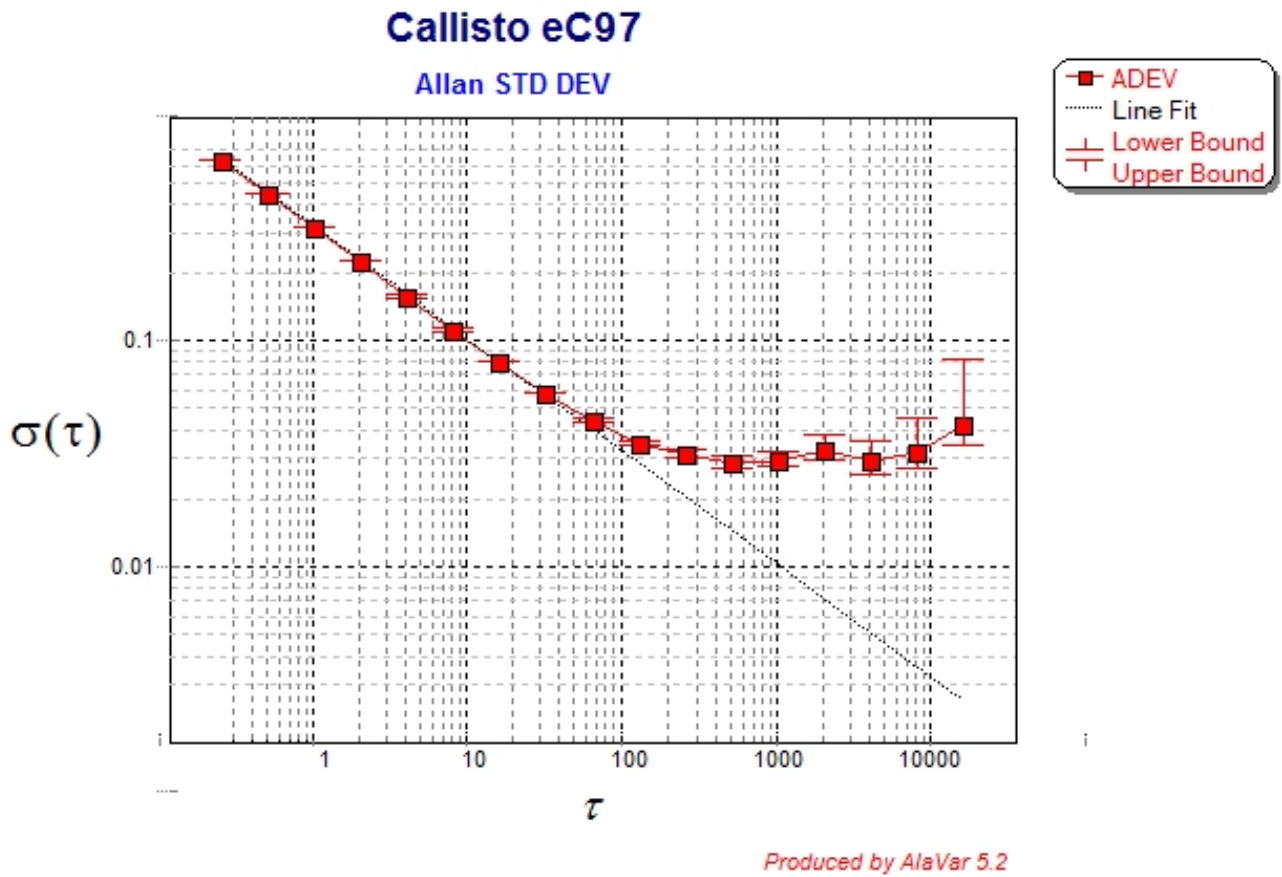


Figure 3 : Allan Standard Deviation