

# AlaVar generated report

C:\temp\Data\ec103\_LC050.dat

File 'C:\temp\Data\ec103\_LC050.dat' created on 13.11.2017 06:52:38

Column # 1 was processed

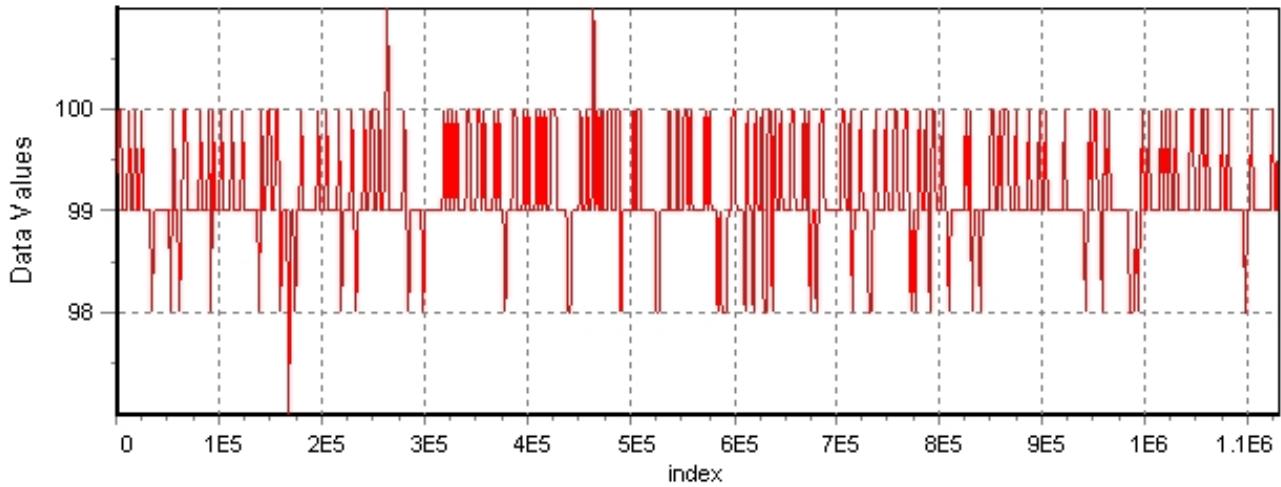
Data length N = 1130400 points.

The mean Value of the processed data = 99.1144

The Stanardr Deviation of the processed data = 0.579308

## AlaVar 5.2

### Data Values

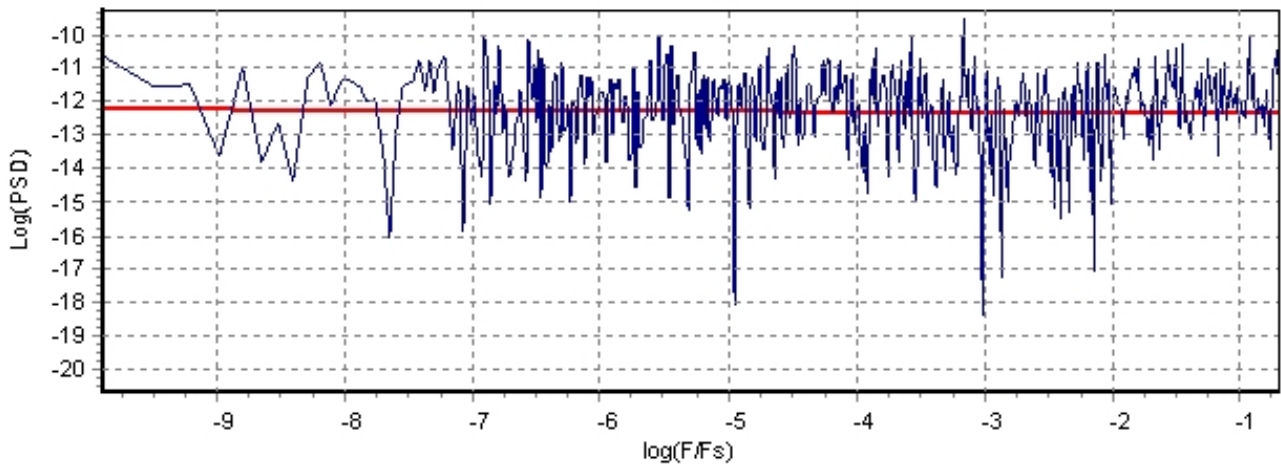


*Produced by AlaVar 5.2*

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 1.750000 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 =-0.499338  
 The fit result is ADEV(tau=1) = Stability =0.289505

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	0.57865	0.57818	0.57912	0.57865	0.083521	0.57847
0.5	0.40958	0.40922	0.40995	0.32377	0.093463	0.40968
1	0.28951	0.28918	0.28984	0.21112	0.12189	0.28943
2	0.20483	0.20451	0.20515	0.146	0.16858	0.20477
4	0.14488	0.14456	0.1452	0.10257	0.23687	0.14493
8	0.1023	0.10199	0.10262	0.072371	0.33427	0.10225
16	0.072577	0.072264	0.072895	0.051405	0.47486	0.072574
32	0.051201	0.050889	0.051518	0.036126	0.66744	0.05123
64	0.036231	0.03592	0.03655	0.025708	0.94994	0.036169
128	0.025752	0.025441	0.026075	0.018199	1.3449	0.025818
256	0.017894	0.01759	0.018213	0.012545	1.8542	0.017835
512	0.01294	0.012633	0.013271	0.0092689	2.7399	0.012881
1024	0.0094272	0.009115	0.0097737	0.0068055	4.0235	0.0093026
2048	0.0073187	0.0069823	0.007709	0.0056712	6.7057	0.0067724
4096	0.006847	0.0064127	0.0073832	0.0054824	12.965	0.006211
8192	0.0071679	0.0065452	0.0080103	0.0063885	30.215	0.0053422
16384	0.010028	0.0088444	0.011864	0.0091437	86.493	0.0075424
32768	0.01222	0.010273	0.01597	0.0091208	172.55	0.0097747
65536	0.012836	0.010082	0.020754	0.010406	393.74	0.0087444

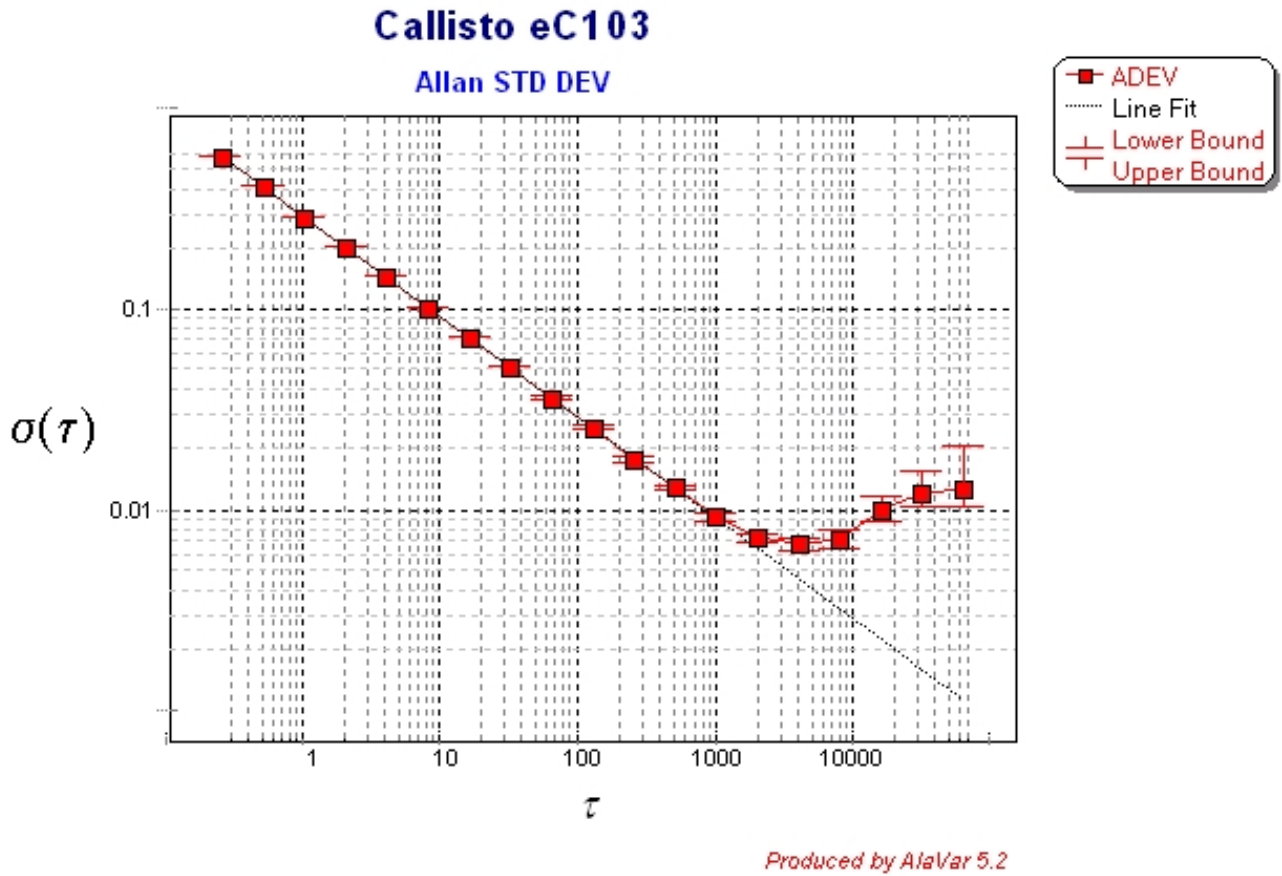


Figure 3 : Allan Standard Deviation