

AlaVar generated report

C:\CALLISTO-01\FITfiles\TotalLightcurve.DAT

File 'C:\CALLISTO-01\FITfiles\TotalLightcurve.DAT' created on 08.06.2025 20:24:40

Column # 1 was processed

Data length N = 9000 points.

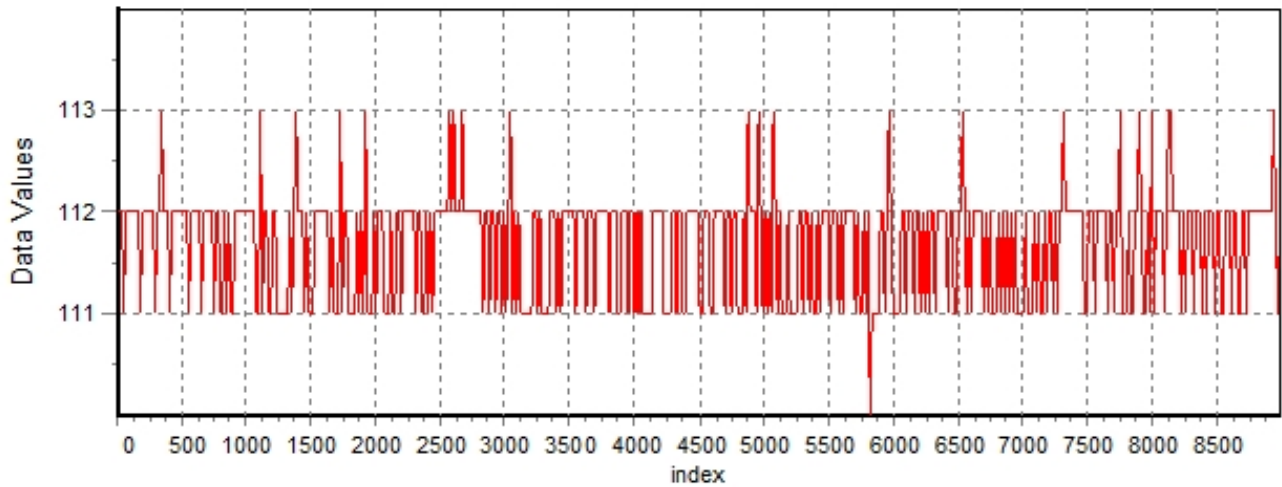
The mean Value of the processed data = 111.604

The Stanadrd Deviation of the processed data = 2.69134

The number of removed outliers is 5

AlaVar 5.2

Data Values

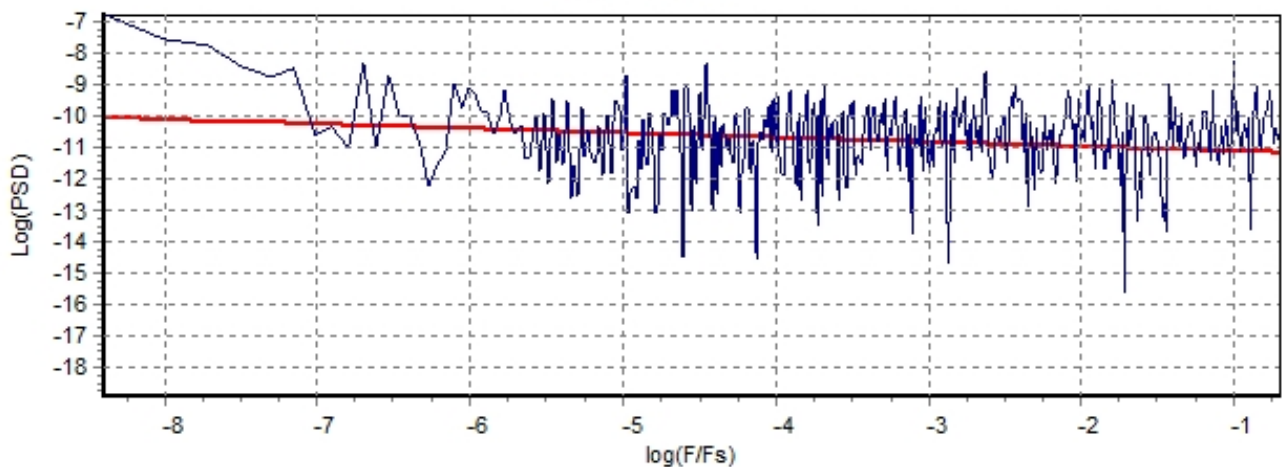


Produced by AlaVar 5.2

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 0.096000 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 Slope of the line is =-0.498228

The fit result is ADEV(tau=1) = Stability =0.279949

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	0.5597	0.55466	0.56489	0.5597	0.080786	0.56013
0.5	0.39507	0.39123	0.39903	0.31266	0.090256	0.3947
1	0.28028	0.2768	0.2839	0.20412	0.11785	0.28117
2	0.19628	0.19295	0.19979	0.13993	0.16158	0.19592
4	0.14063	0.13732	0.1442	0.1005	0.23209	0.13962
8	0.10205	0.098695	0.10576	0.072834	0.33641	0.10296
16	0.06778	0.06469	0.071358	0.04654	0.42992	0.067399
32	0.050555	0.047375	0.054473	0.037162	0.68658	0.048756
64	0.040657	0.037154	0.045383	0.03055	1.1288	0.037566
128	0.037397	0.033017	0.044157	0.028094	2.0762	0.026271
256	0.03834	0.032277	0.049926	0.017957	2.654	0.027193
512	0.023872	0.018791	0.038261	0.010977	3.2448	0.019713

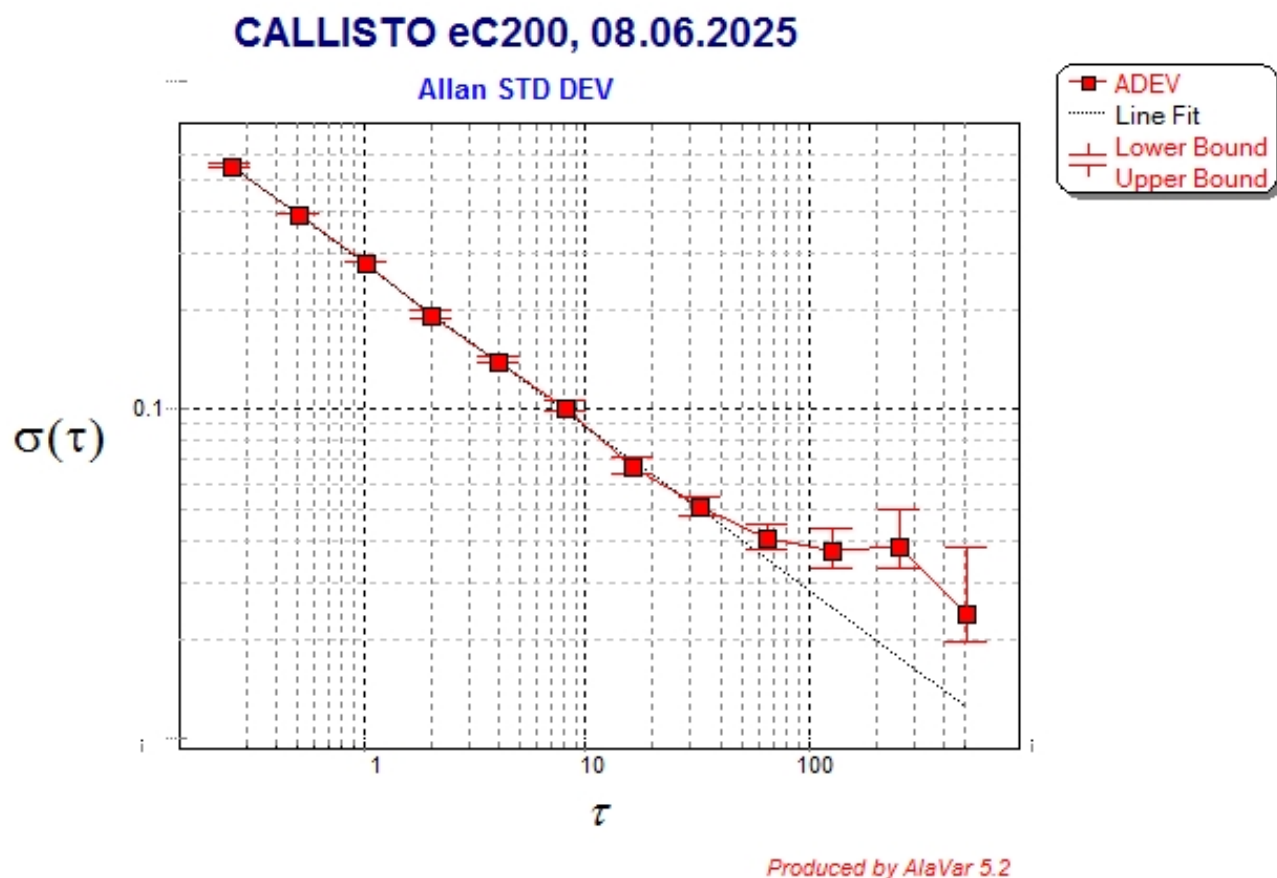


Figure 3 : Allan Standard Deviation