

AlaVar generated report

C:\CALLISTO-01\FITfiles\TotalLightCurve100.prn

File 'C:\CALLISTO-01\FITfiles\TotalLightCurve100.prn' created on 19.06.2020 16:29:04

Column # 1 was processed

Data length N = 72000 points.

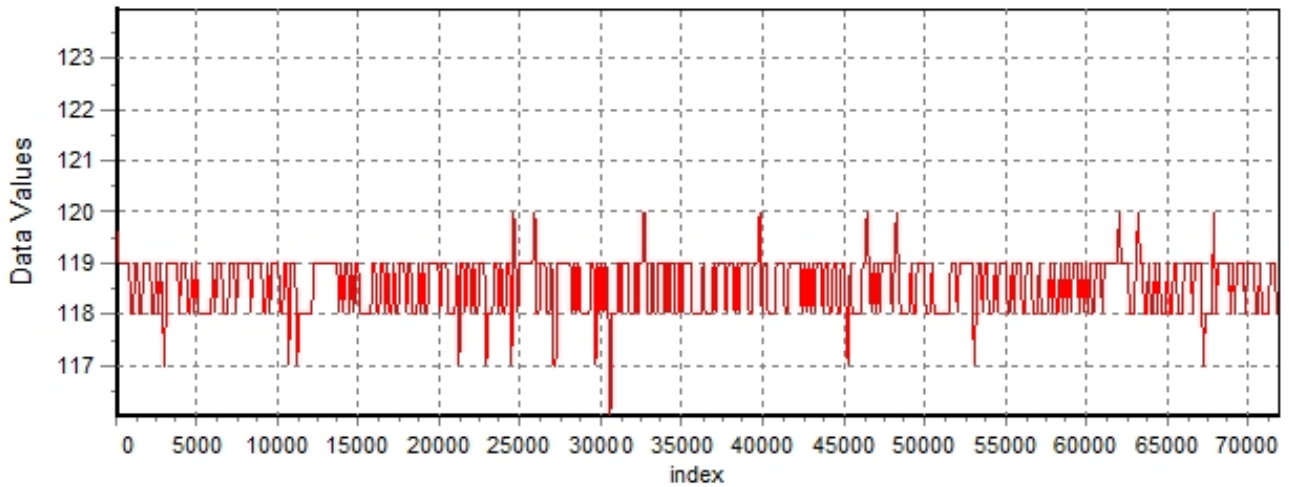
The mean Value of the processed data = 118.49

The Stanadr Deviation of the processed data = 2.4554

The number of removed outliers is 42

AlaVar 5.2

Data Values

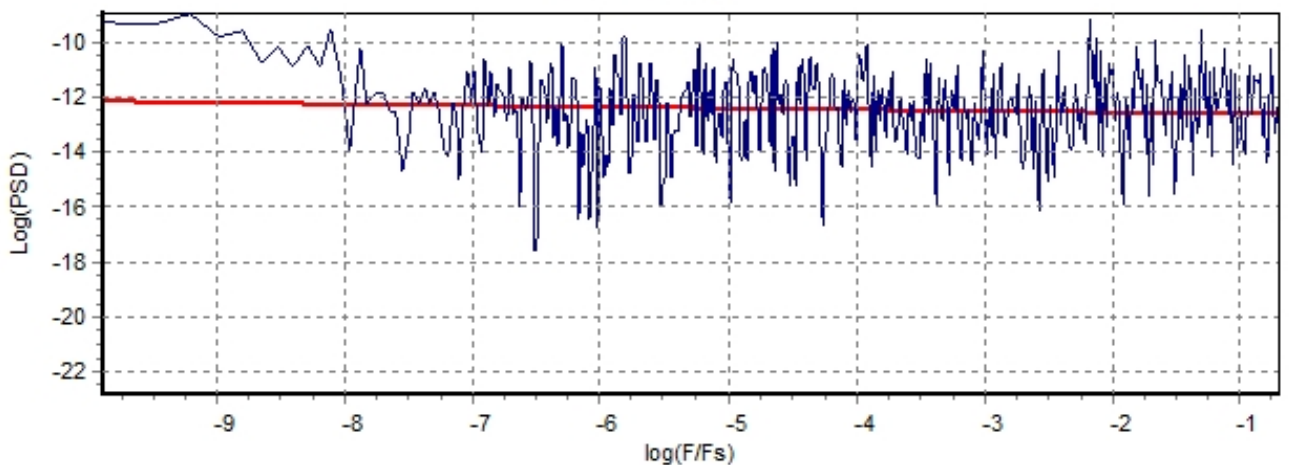


Produced by AlaVar 5.2

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 0.250000 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 =-0.500694
 The fit result is ADEV(tau=1) = Stability =0.297048

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	0.59238	0.59048	0.59431	0.59238	0.085503	0.59243
0.5	0.41955	0.41809	0.42102	0.33222	0.095903	0.41937
1	0.29611	0.29479	0.29744	0.21479	0.12401	0.29693
2	0.20835	0.20708	0.20965	0.14939	0.1725	0.20721
4	0.15074	0.14945	0.15206	0.10736	0.24793	0.15113
8	0.10596	0.10469	0.10727	0.075365	0.3481	0.1057
16	0.074842	0.073584	0.076167	0.052574	0.48566	0.074762
32	0.052674	0.051434	0.054007	0.036806	0.67999	0.053183
64	0.035448	0.034284	0.036738	0.024984	0.92316	0.035019
128	0.02666	0.025445	0.028067	0.019387	1.4327	0.025875
256	0.022369	0.020962	0.024102	0.01731	2.5584	0.021055
512	0.017466	0.015961	0.019496	0.01098	3.2456	0.015406
1024	0.013895	0.012267	0.016407	0.01069	6.3199	0.012104
2048	0.014031	0.011813	0.018272	0.010705	12.658	0.012516
4096	0.011562	0.0091009	0.018532	0.010684	25.265	0.011775

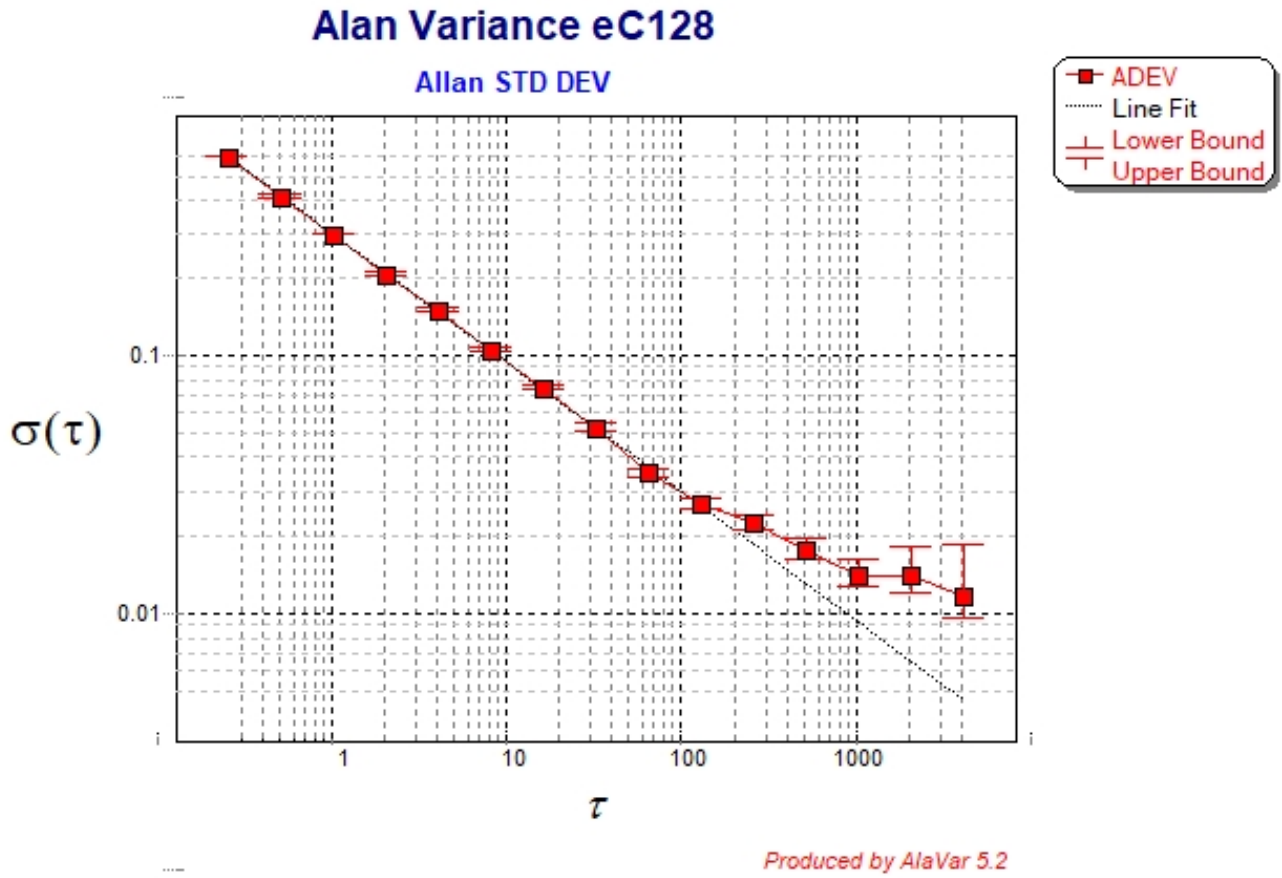


Figure 3 : Allan Standard Deviation