

AlaVar generated report

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

File 'C:\CALLISTO-01\FITfiles\TotalLightCurve100.prn' created on 02.03.2024 18:30:54

Column # 1 was processed

Data length N = 17395 points.

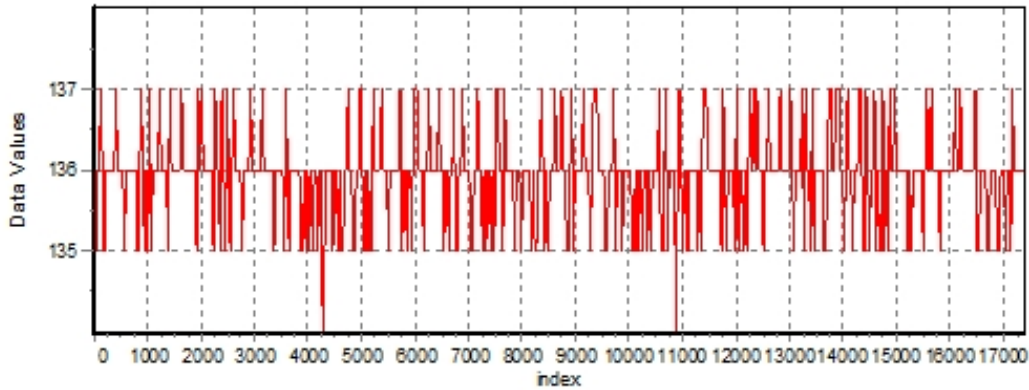
The mean Value of the processed data = 135.862

The Stanadr Deviation of the processed data = 3.30853

The number of removed outliers is 10

AlaVar 5.2

Data Values

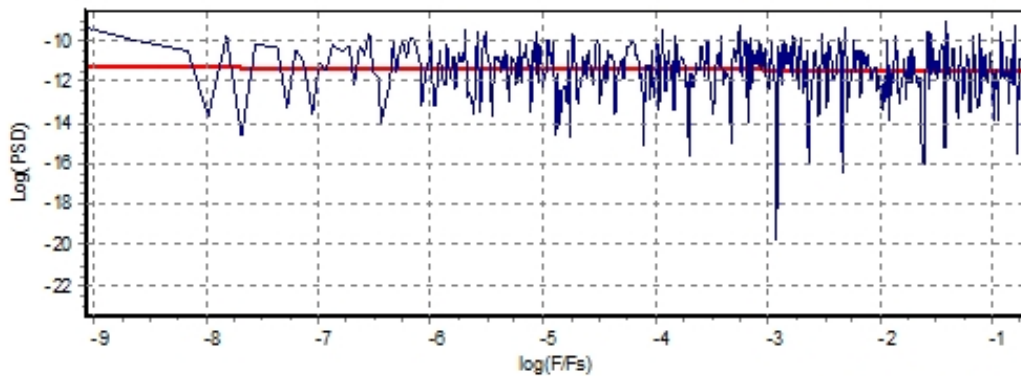


Produced by AlaVar 5.2

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 0.201000 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 =-0.48796
 The fit result is ADEV(tau=1) = Stability =0.285721

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	0.57354	0.56981	0.57735	0.57354	0.082784	0.57357
0.5	0.40461	0.40177	0.40752	0.31913	0.092124	0.40536
1	0.2854	0.28284	0.28804	0.20878	0.12054	0.28479
2	0.20304	0.20054	0.20563	0.1444	0.16674	0.20392
4	0.1408	0.13839	0.14335	0.099684	0.23021	0.1399
8	0.10138	0.09895	0.10399	0.071321	0.32942	0.10145
16	0.072527	0.070107	0.075216	0.052234	0.48252	0.072225
32	0.052705	0.050264	0.05554	0.038008	0.70221	0.052241
64	0.039054	0.036559	0.04214	0.027647	1.0216	0.039223
128	0.027533	0.025124	0.030799	0.018782	1.388	0.025089
256	0.01866	0.016442	0.022113	0.013318	1.9684	0.018291
512	0.014181	0.011905	0.01859	0.011366	3.3597	0.014107
1024	0.012681	0.0099419	0.020664	0.01182	6.9879	0.0094605

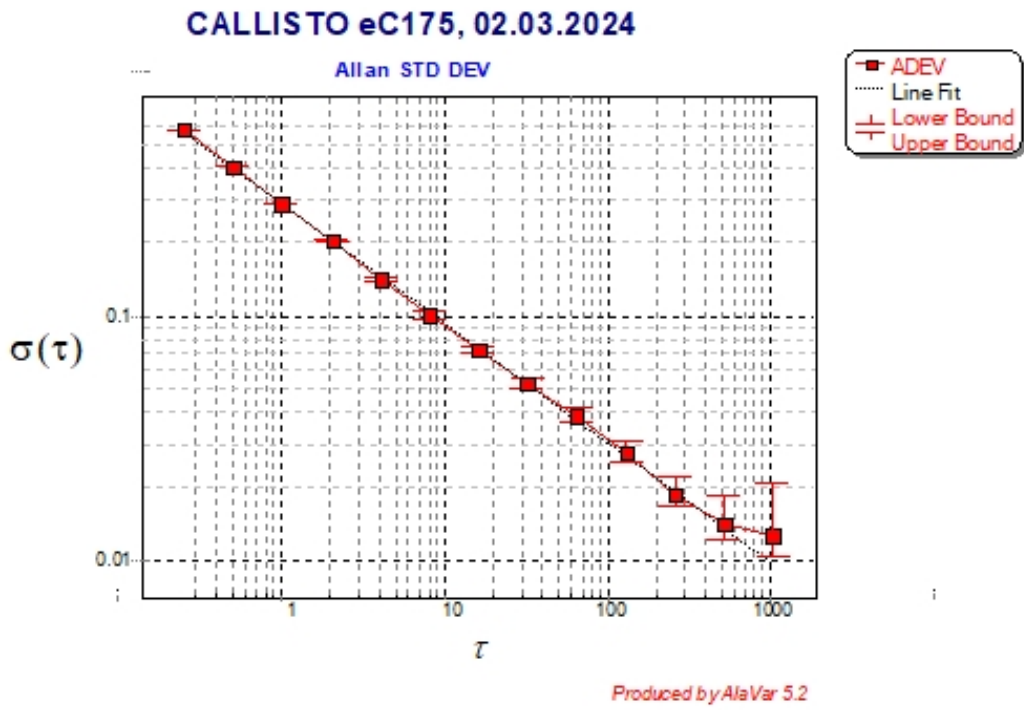


Figure 3 : Allan Standard Deviation