

AlaVar generated report

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

File 'C:\CALLISTO-01\FITfiles\TotalLightCurve100.prn' created on 03.03.2020 04:23:00

Column # 1 was processed

Data length N = 23850 points.

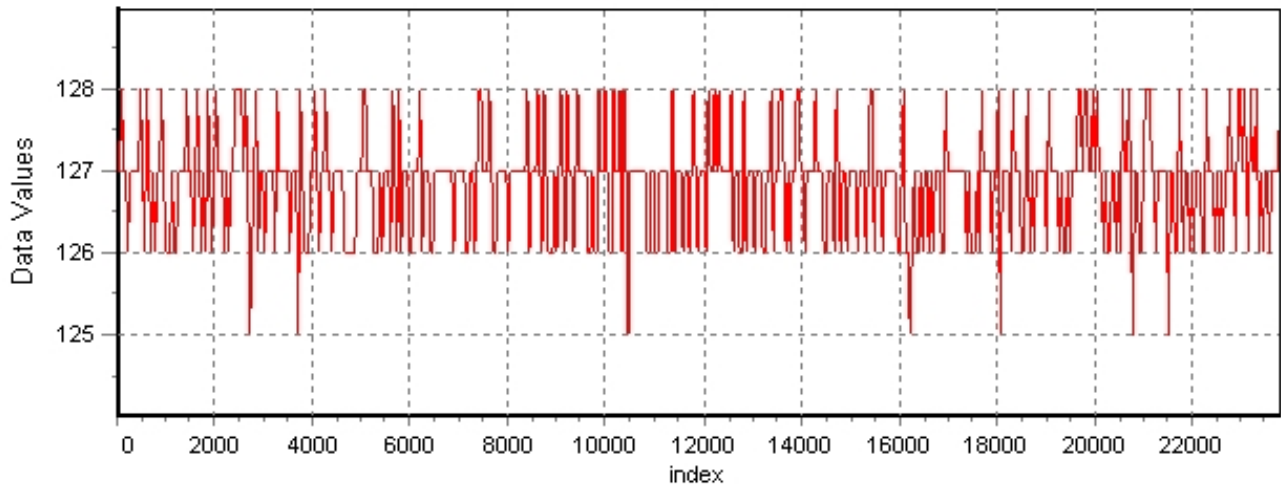
The mean Value of the processed data = 126.593

The Stanardd Deviation of the processed data = 6.01016

The number of removed outliers is 53

AlaVar 5.2

Data Values

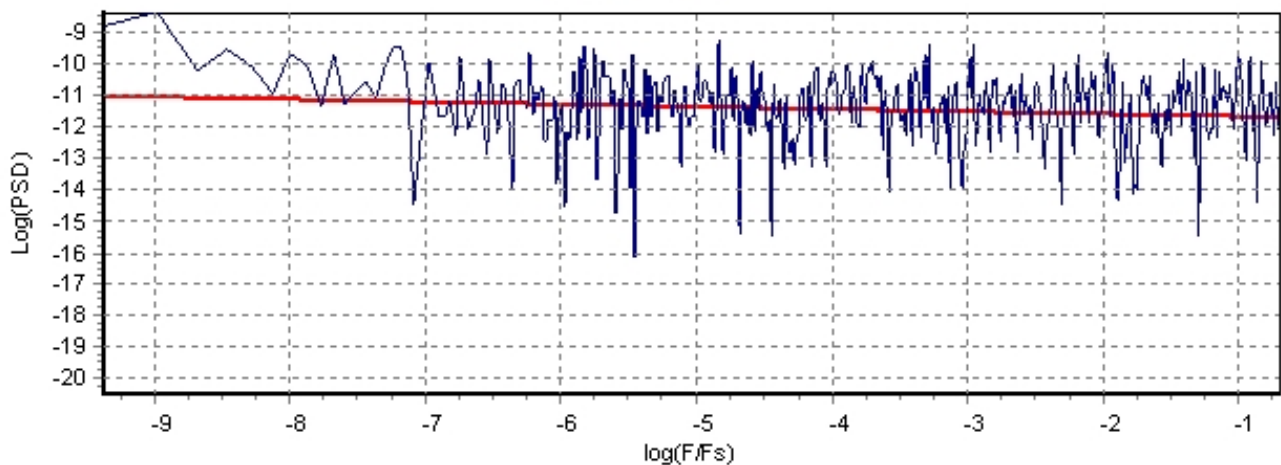


Produced by AlaVar 5.2

Figure 1 : Processed Data

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PSD of Data



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Figure 2 : Data PSD

The computation of the 3 ALLAN STD DEVs lasted 0.131000 seconds
 The error bars were computed for a : White FM
 The computation of the Error bars lasted 0 seconds

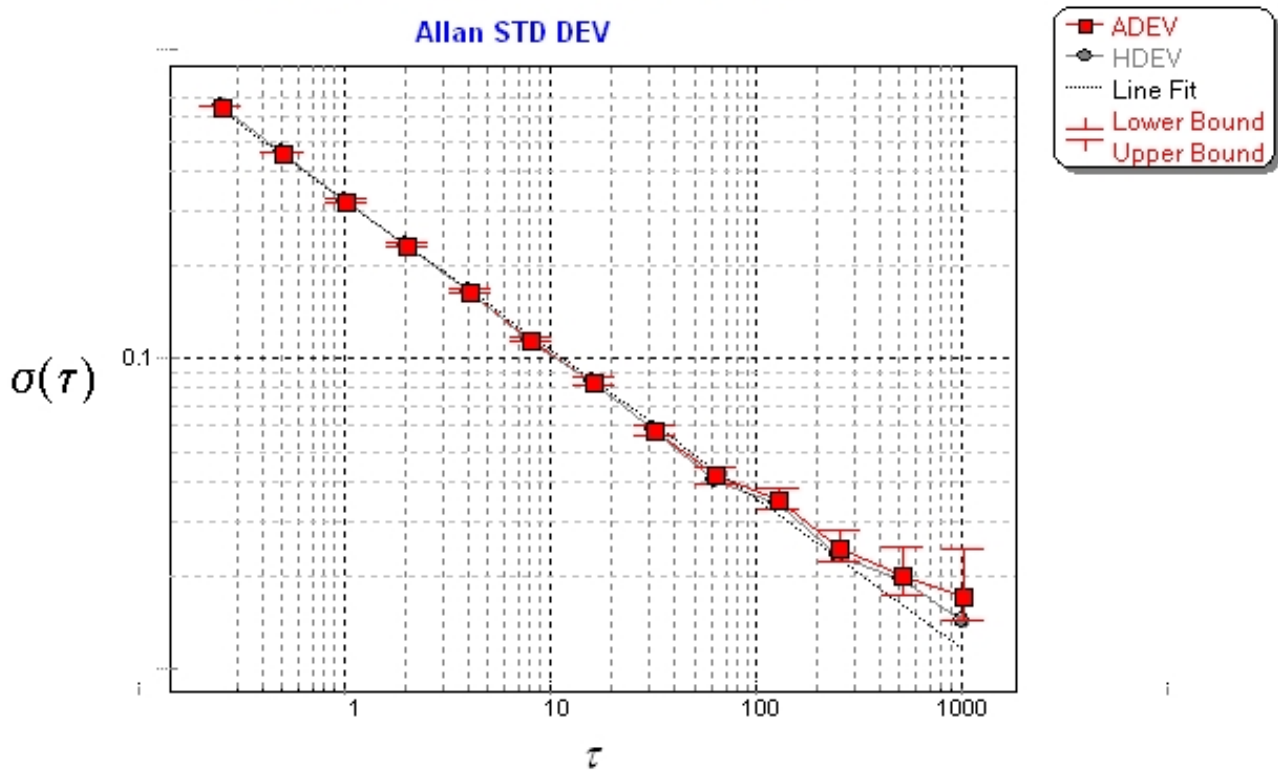
ADEV(tau) was fitted to a line :
 The Slope of the line is =-0.481357
 The fit result is ADEV(tau=1) = Stability =0.325902

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	0.65283	0.64919	0.65653	0.65283	0.094228	0.65233
0.5	0.46294	0.46016	0.46577	0.36605	0.10567	0.46329
1	0.32703	0.32452	0.32961	0.23886	0.13791	0.32616
2	0.2341	0.23163	0.23664	0.16752	0.19343	0.23411
4	0.16459	0.16218	0.16712	0.11591	0.26769	0.16532
8	0.1151	0.11274	0.11763	0.081667	0.3772	0.11421
16	0.084158	0.081742	0.086803	0.05979	0.55232	0.08463
32	0.058542	0.056203	0.061199	0.041944	0.77493	0.058572
64	0.042584	0.04023	0.045405	0.031285	1.156	0.040662
128	0.035048	0.032386	0.038496	0.025883	1.9128	0.03418
256	0.024419	0.02189	0.02809	0.016641	2.4595	0.02314
512	0.020088	0.017272	0.02496	0.014975	4.4266	0.01939
1024	0.017171	0.013929	0.024734	0.010927	6.4603	0.014116

AlaVar 5.2 CALLISTO eC122

Allan STD DEV



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Figure 3 : Allan Standard Deviation