

AlaVar generated report

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

File 'C:\CALLISTO-01\FITfiles\TotalLightcurve.DAT' created on 16.10.2023 15:26:56

Column # 1 was processed

Data length N = 27000 points.

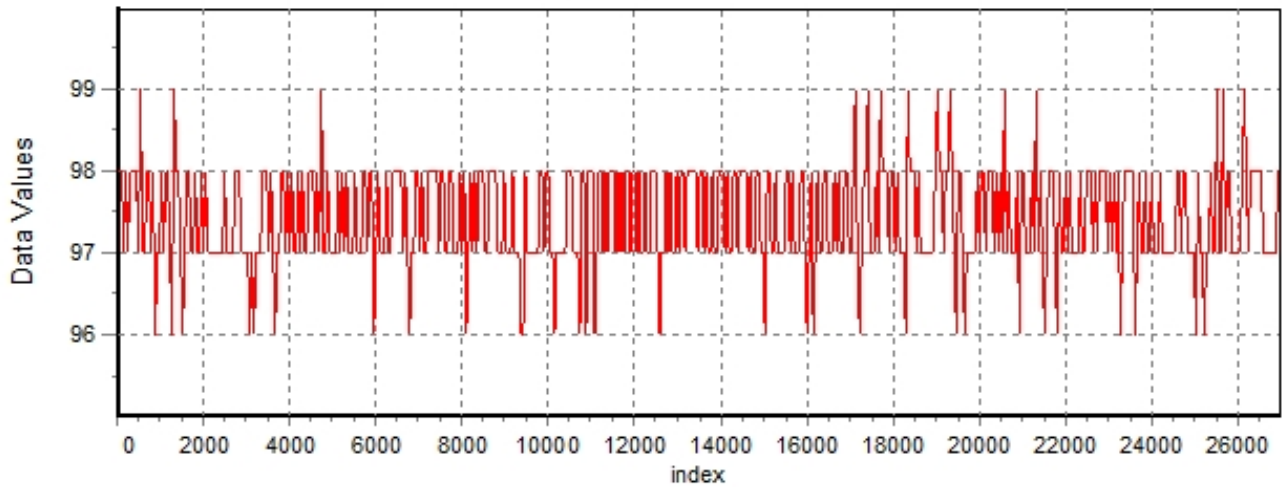
The mean Value of the processed data = 97.364

The Stanardd Deviation of the processed data = 2.38196

The number of removed outliers is 15

AlaVar 5.2

Data Values

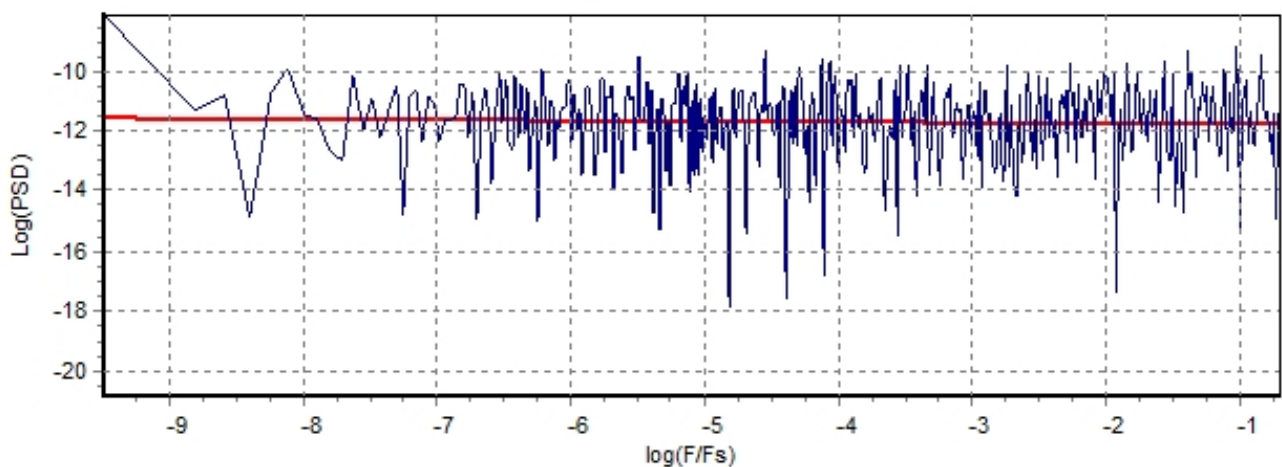


Produced by AlaVar 5.2

Figure 1 : Processed Data

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PSD of Data



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Figure 2 : Data PSD

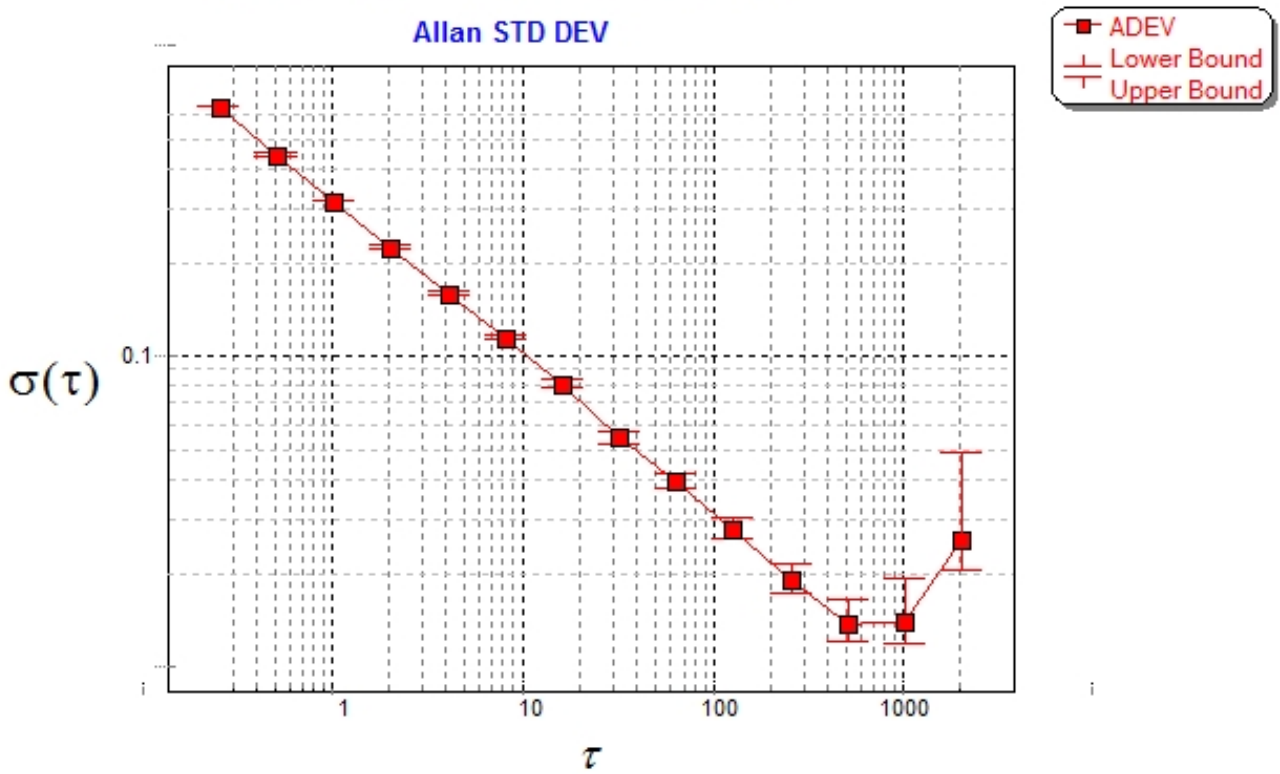
The computation of the 3 ALLAN STD DEVs lasted 0.039000 seconds
 The error bars were computed for a : White FM
 The computation of the Error bars lasted 0.001 seconds

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	0.63622	0.63289	0.6396	0.63622	0.091831	0.63722
0.5	0.44832	0.44579	0.4509	0.35481	0.10242	0.44852
1	0.3155	0.31322	0.31783	0.22939	0.13244	0.31516
2	0.22497	0.22274	0.22726	0.16096	0.18585	0.22487
4	0.15937	0.15716	0.16166	0.11327	0.26158	0.15869
8	0.11461	0.11239	0.11696	0.081544	0.37663	0.11438
16	0.081257	0.079061	0.083648	0.0573	0.52931	0.082089
32	0.055537	0.053446	0.057893	0.03911	0.72257	0.055439
64	0.039826	0.03775	0.042287	0.028205	1.0422	0.040016
128	0.027699	0.025712	0.030231	0.019362	1.4309	0.027959
256	0.019108	0.017236	0.02176	0.013357	1.9742	0.019437
512	0.013661	0.011847	0.016681	0.010034	2.966	0.013491
1024	0.013871	0.01139	0.019274	0.014121	8.3487	0.0086113
2048	0.025692	0.019505	0.049219	0.025147	29.734	0.013806

CALLISTO eC172, 16.10.2023

Allan STD DEV



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Figure 3 : Allan Standard Deviation