

AlaVar generated report

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

File 'C:\CALLISTO-01\FITfiles\TotalLightcurve.DAT' created on 14.04.2024 17:00:32

Column # 1 was processed

Data length N = 24124 points.

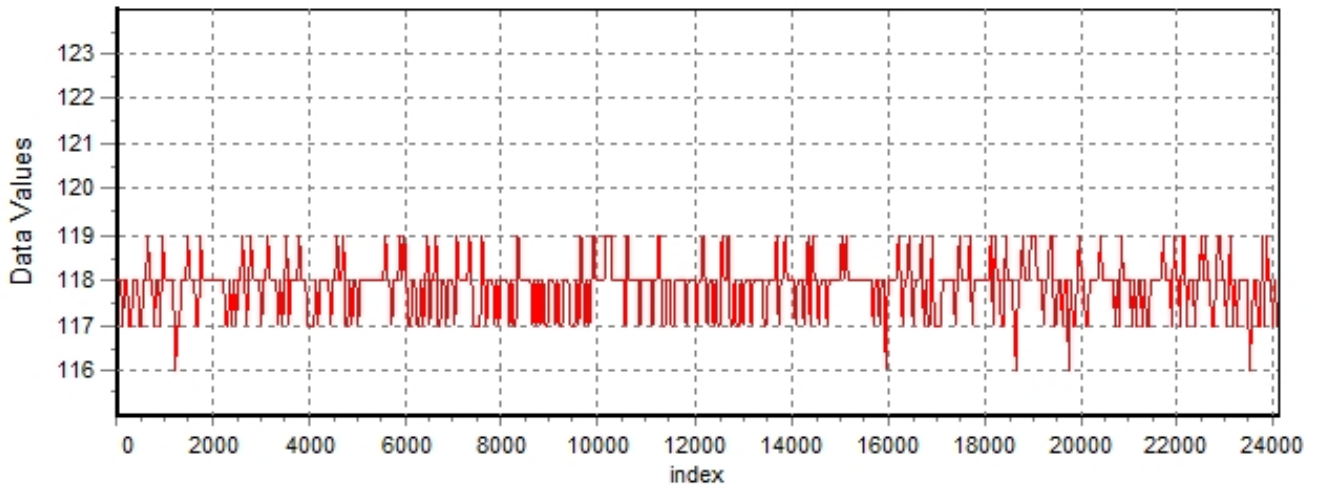
The mean Value of the processed data = 117.856

The Stanardr Deviation of the processed data = 2.09303

The number of removed outliers is 8

AlaVar 5.2

Data Values

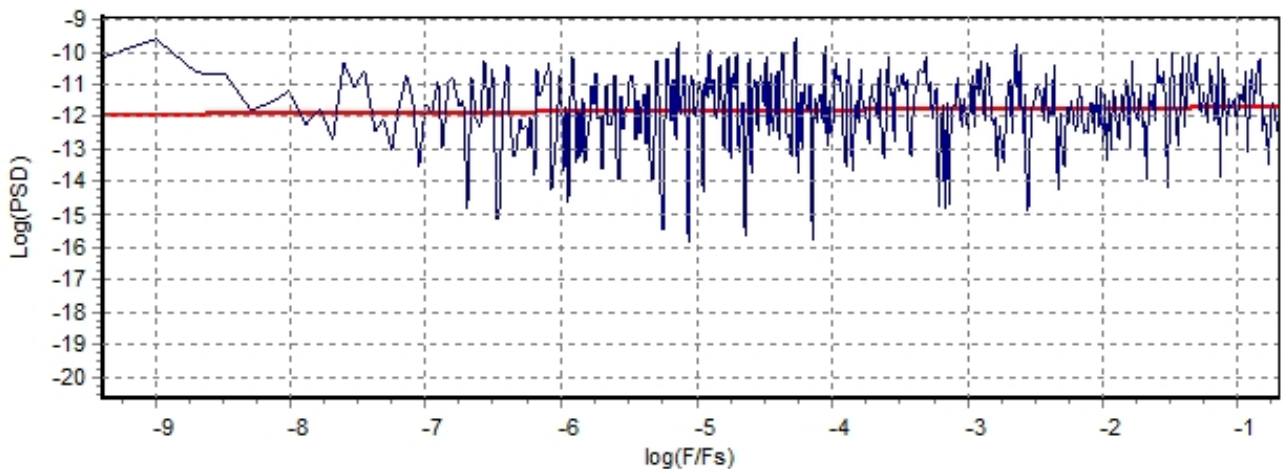


Produced by AlaVar 5.2

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 0.026000 seconds
 The error bars were computed for a : White FM
 The computation of the Error bars lasted 0.001 seconds

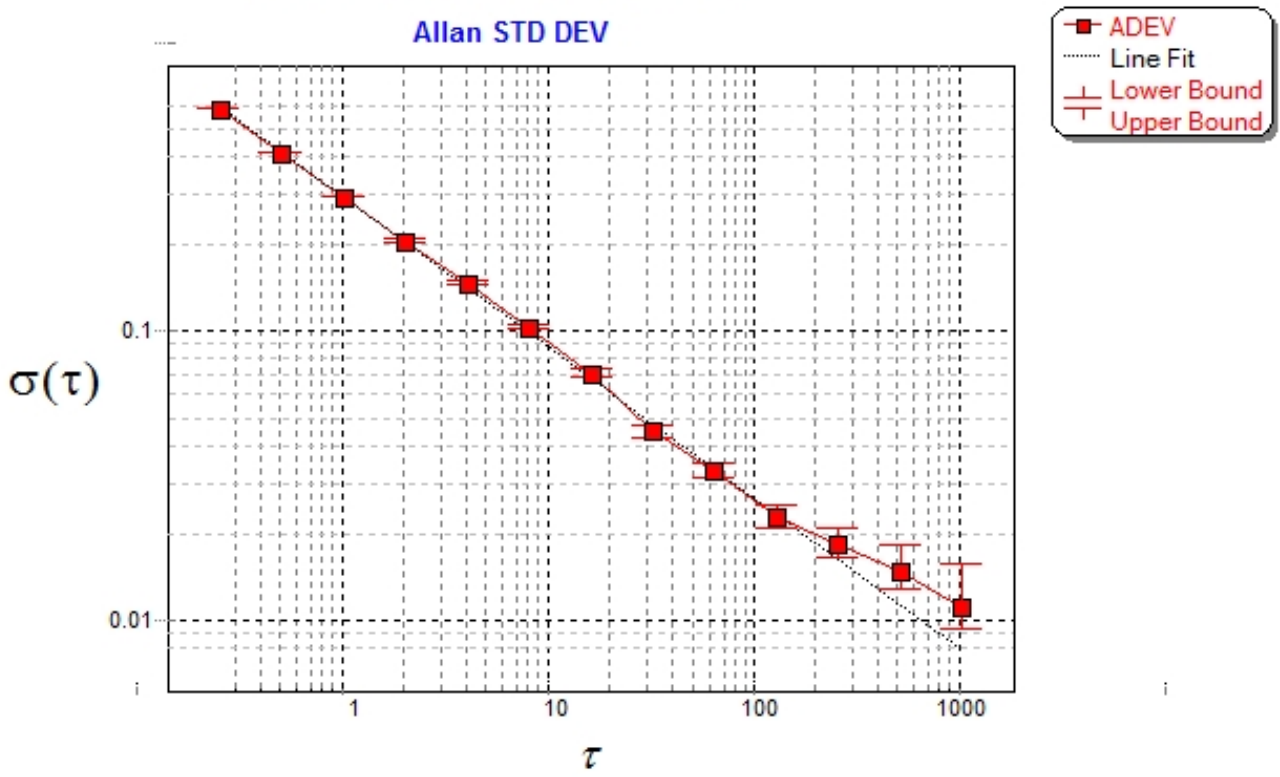
ADEV(tau) was fitted to a line :
 The Solpe of the line is =-0.521131
 The fit result is ADEV(tau=1) = Stability =0.293853

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	0.59041	0.58714	0.59373	0.59041	0.085218	0.59054
0.5	0.41594	0.41345	0.41847	0.32832	0.094778	0.41598
1	0.29325	0.29101	0.29554	0.21326	0.12312	0.29287
2	0.20782	0.20565	0.21006	0.14794	0.17083	0.20788
4	0.14673	0.14458	0.14897	0.10353	0.2391	0.14712
8	0.10319	0.10108	0.10543	0.072914	0.33678	0.10354
16	0.071464	0.069425	0.073694	0.049476	0.45704	0.072983
32	0.0458	0.043982	0.047864	0.031514	0.58223	0.045427
64	0.033053	0.031238	0.035227	0.022691	0.83844	0.033122
128	0.023032	0.021293	0.02528	0.016587	1.2258	0.022144
256	0.018347	0.016458	0.021082	0.013639	2.0158	0.017869
512	0.014762	0.012705	0.018307	0.009556	2.8248	0.013392
1024	0.011103	0.009019	0.015928	0.0087177	5.1539	0.0087426

Callisto eC182 14.04.2024

Allan STD DEV



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Figure 3 : Allan Standard Deviation