

AlaVar generated report

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

File 'C:\CALLISTO-01\FITfiles\TotalLightcurve.DAT' created on 03.11.2024 17:43:16

Column # 1 was processed

Data length N = 12709 points.

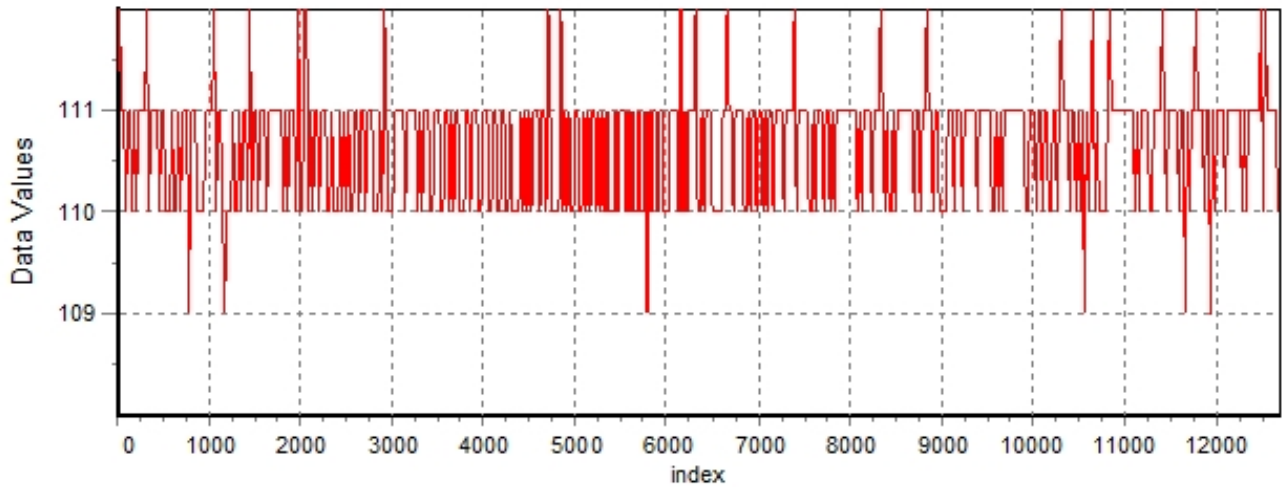
The mean Value of the processed data = 110.598

The Stanardr Deviation of the processed data = 2.83798

The number of removed outliers is 8

AlaVar 5.2

Data Values

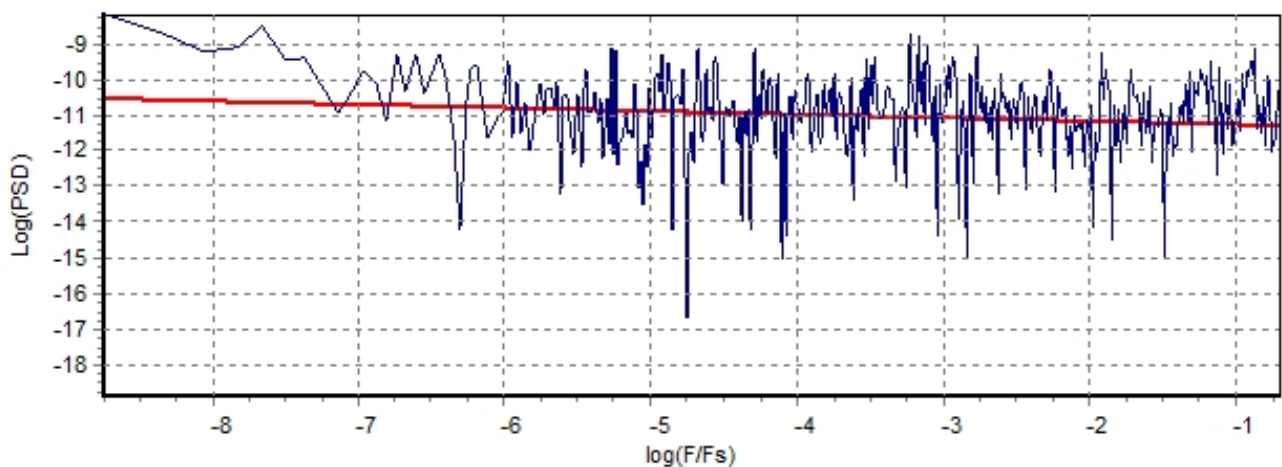


Produced by AlaVar 5.2

Figure 1 : Processed Data

AlaVar 5.2

PSD of Data



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Figure 2 : Data PSD

The computation of the 3 ALLAN STD DEVs lasted 0.014000 seconds
 The error bars were computed for a : White FM
 The computation of the Error bars lasted 0 seconds

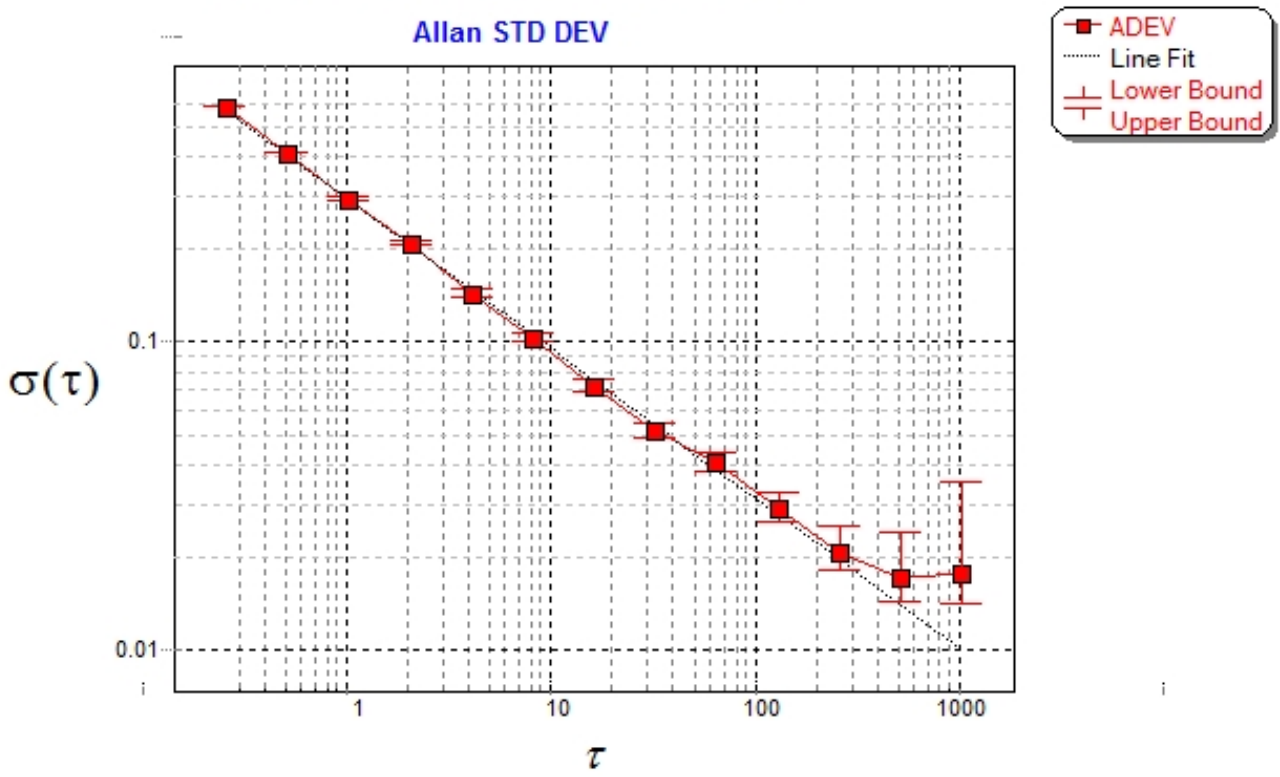
ADEV(tau) was fitted to a line :
 The Slope of the line is =-0.487938
 The fit result is ADEV(tau=1) = Stability =0.293224

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	0.58747	0.583	0.59204	0.58747	0.084794	0.587
0.5	0.41693	0.4135	0.42043	0.32983	0.095213	0.41645
1	0.29629	0.29318	0.29949	0.21676	0.12515	0.2955
2	0.21103	0.20801	0.21419	0.15018	0.17341	0.21208
4	0.1455	0.14259	0.14858	0.10243	0.23655	0.14527
8	0.10387	0.10097	0.10702	0.073192	0.33806	0.10413
16	0.072399	0.069595	0.075573	0.05061	0.46751	0.072833
32	0.051395	0.048639	0.054679	0.037216	0.68758	0.050243
64	0.040451	0.037468	0.044281	0.029456	1.0884	0.039226
128	0.028701	0.025813	0.03284	0.016831	1.2438	0.022493
256	0.020725	0.017901	0.025513	0.013136	1.9415	0.018592
512	0.017109	0.013968	0.02417	0.01289	3.8102	0.014275
1024	0.017599	0.013251	0.035557	0.014718	8.7014	0.015111

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Allan STD DEV



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Figure 3 : Allan Standard Deviation