

AlaVar generated report

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

File 'C:\CALLISTO-01\FITfiles\TotalLightcurve.DAT' created on 14.12.2024 19:25:30

Column # 1 was processed

Data length N = 14816 points.

The mean Value of the processed data = 119.473

The Stanardr Deviation of the processed data = 2.99599

The number of removed outliers is 9

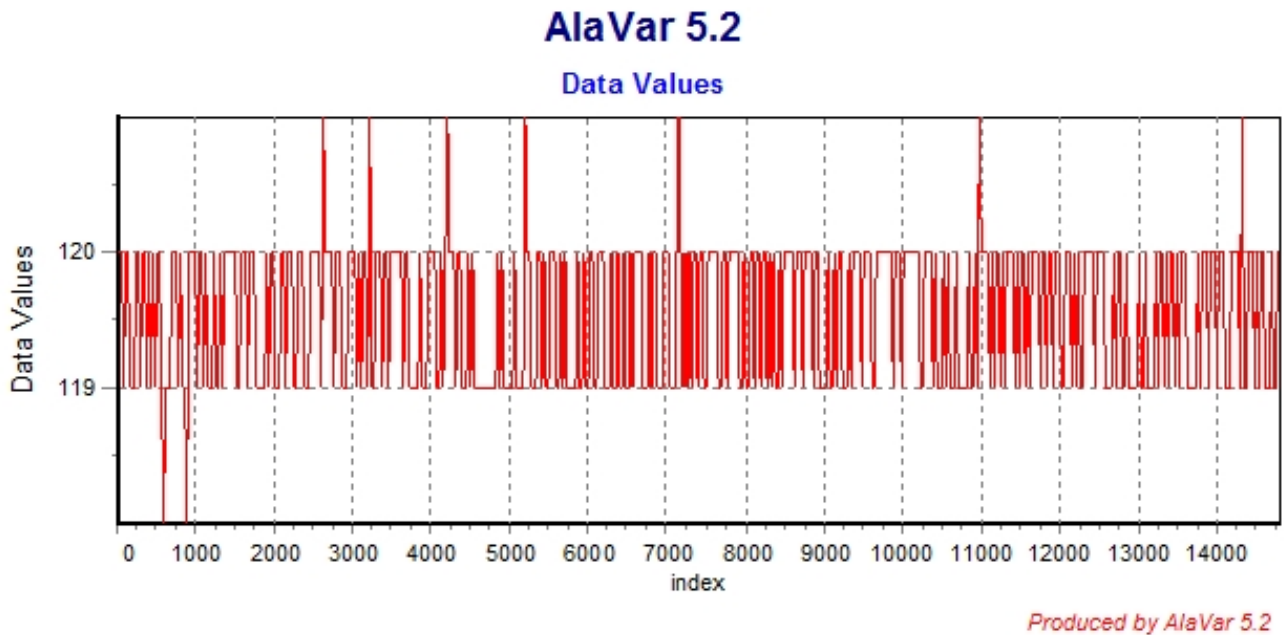


Figure 1 : Processed Data

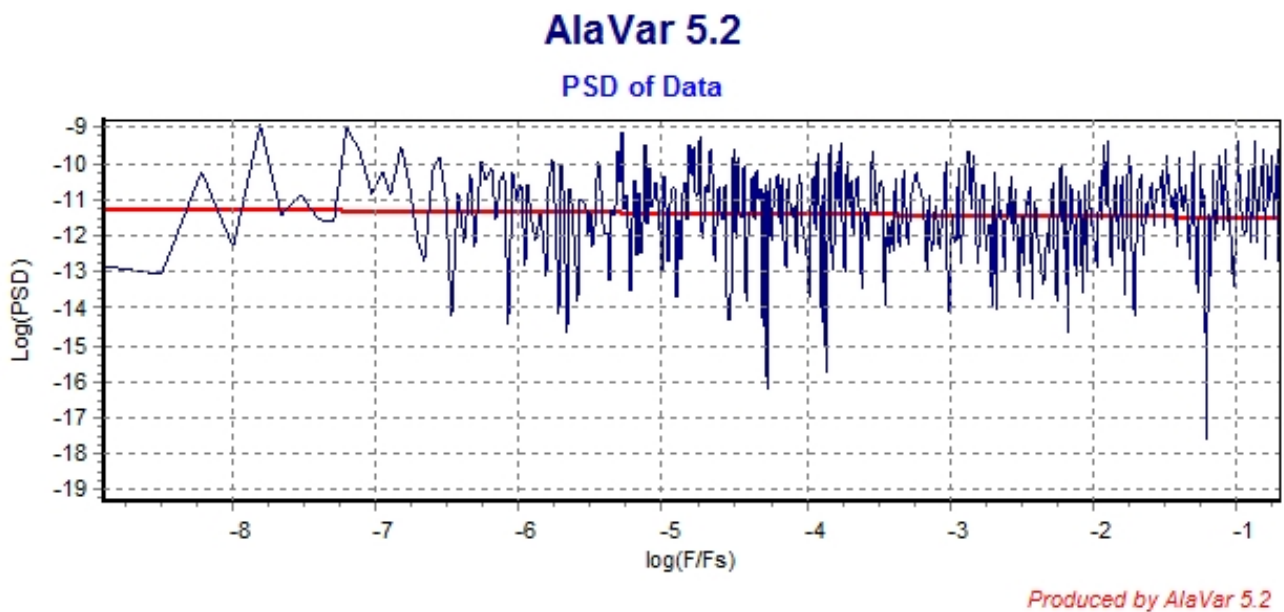


Figure 2 : Data PSD

The computation of the 3 ALLAN STD DEVS lasted 0.029000 seconds
 The error bars were computed for a : White FM
 The computation of the Error bars lasted 0.001 seconds

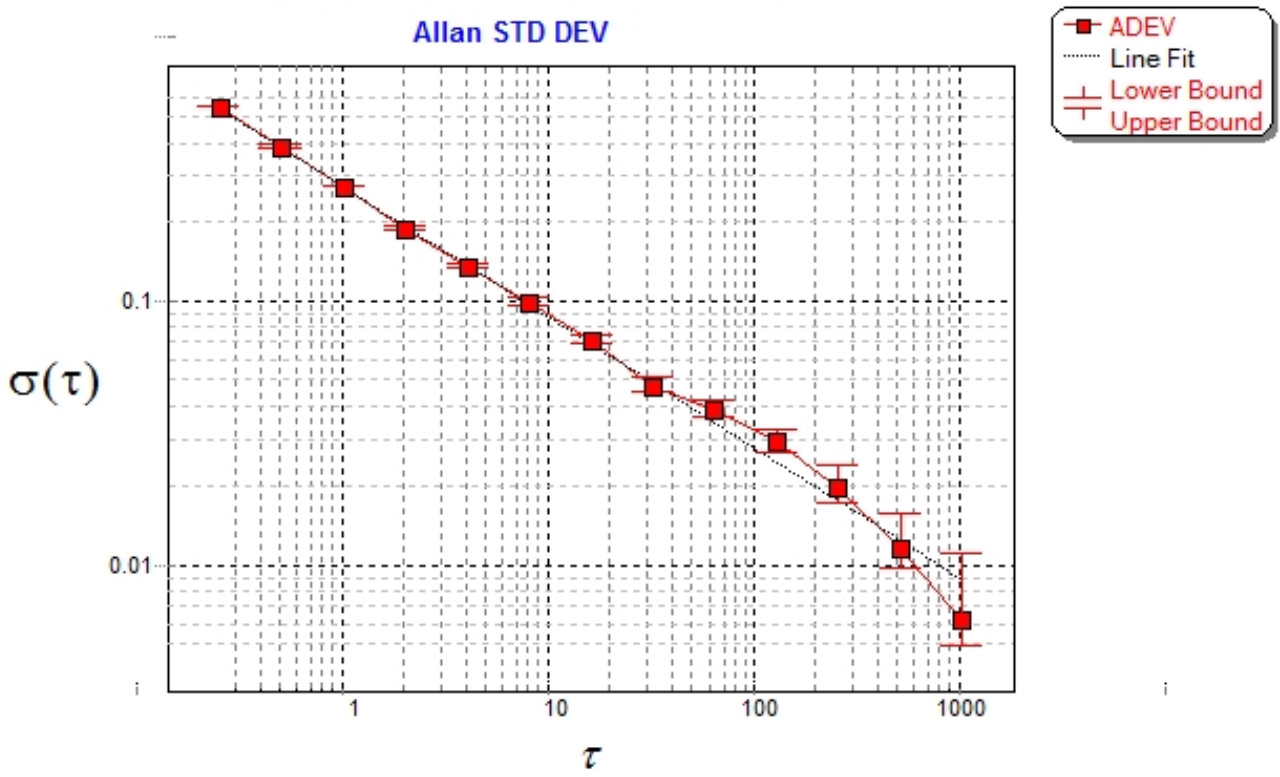
ADEV(tau) was fitted to a line :
 The Solpe of the line is =-0.495781
 The fit result is ADEV(tau=1) = Stability =0.273557

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	0.54604	0.54219	0.54997	0.54604	0.078814	0.54425
0.5	0.3909	0.38793	0.39394	0.3088	0.089143	0.39207
1	0.27106	0.26842	0.27377	0.19621	0.11328	0.27199
2	0.18908	0.18657	0.1917	0.13409	0.15483	0.18866
4	0.13595	0.13344	0.13862	0.097458	0.22507	0.13463
8	0.1002	0.097606	0.10301	0.071843	0.33183	0.099956
16	0.070891	0.068338	0.073754	0.049524	0.45748	0.071744
32	0.04804	0.045642	0.050861	0.03475	0.64202	0.046552
64	0.038598	0.035944	0.041942	0.028436	1.0507	0.037908
128	0.02942	0.026654	0.033272	0.020781	1.5357	0.028527
256	0.019821	0.017293	0.02392	0.013671	2.0206	0.019328
512	0.011671	0.009665	0.015843	0.0069618	2.0579	0.011729
1024	0.0062244	0.0047839	0.011129	0.0020336	1.2023	0.0059703

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Allan STD DEV



Produced by AlaVar 5.2

Figure 3 : Allan Standard Deviation