

AlaVar generated report

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

File 'C:\CALLISTO-01\FITfiles\TotalLightcurve.DAT' created on 13.04.2024 19:46:38

Column # 1 was processed

Data length N = 7200 points.

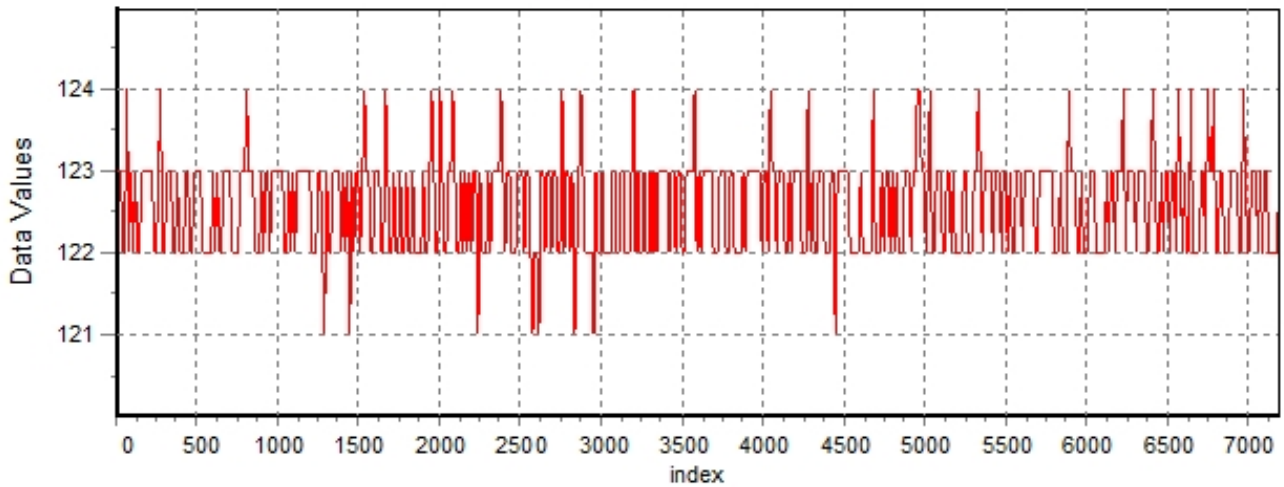
The mean Value of the processed data = 122.543

The Stanardr Deviation of the processed data = 2.95375

The number of removed outliers is 4

AlaVar 5.2

Data Values

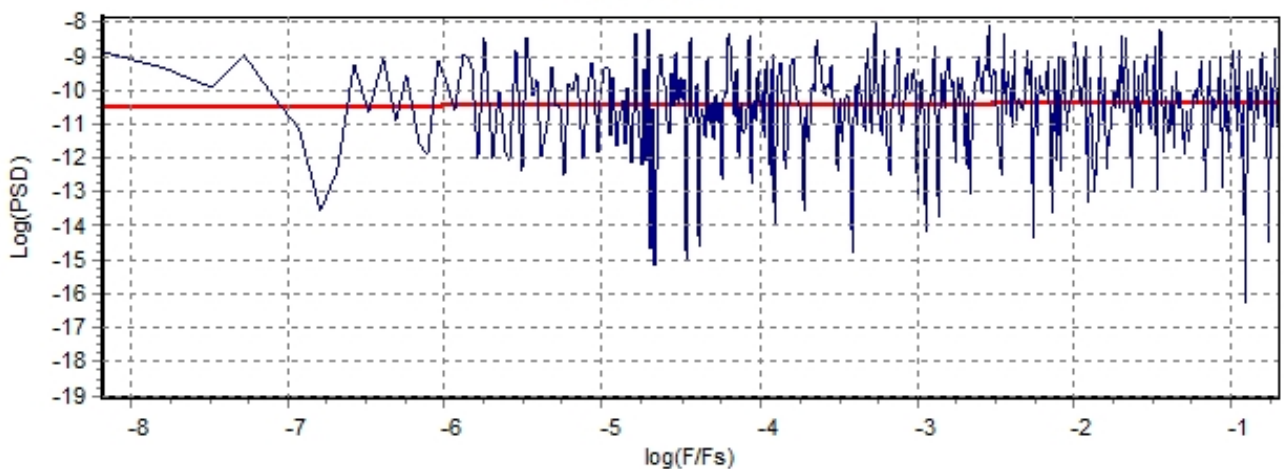


Produced by AlaVar 5.2

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 0.021000 seconds
 The error bars were computed for a : White FM
 The computation of the Error bars lasted 0.002 seconds

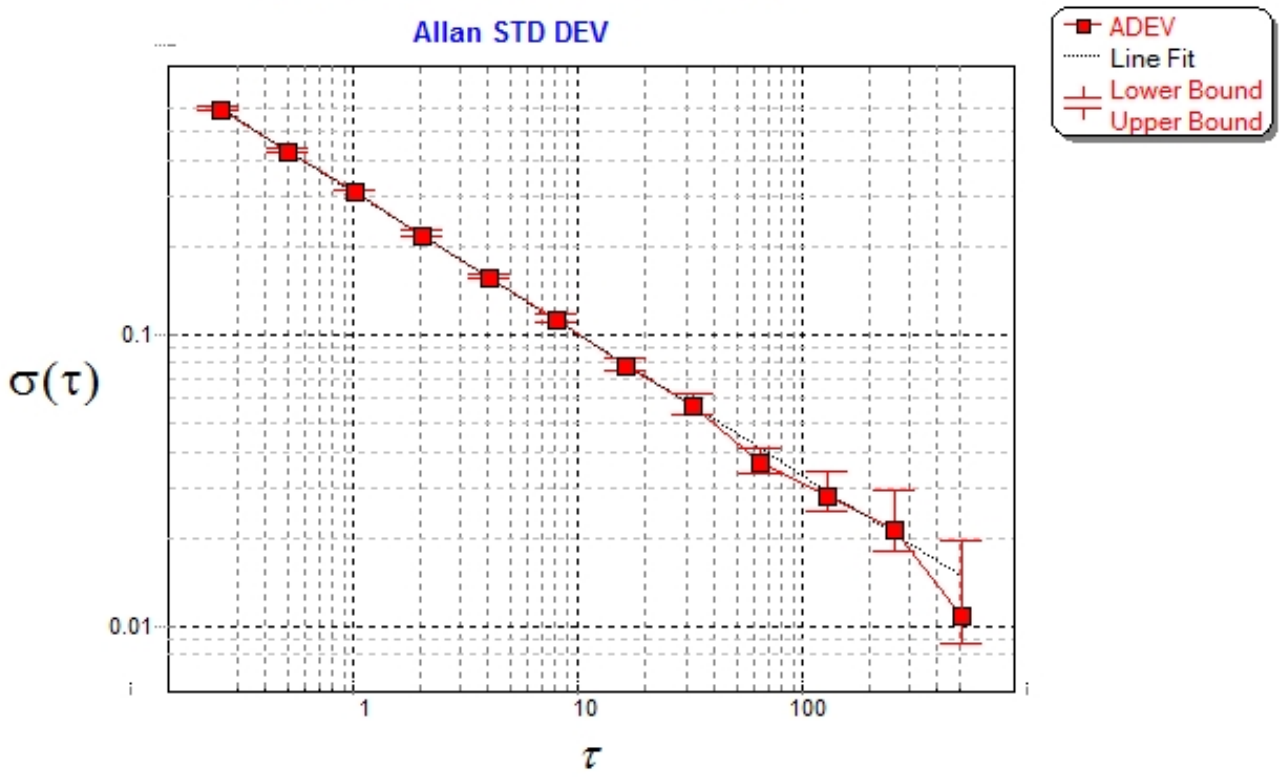
ADEV(tau) was fitted to a line :
 The Solpe of the line is =-0.48687
 The fit result is ADEV(tau=1) = Stability =0.310173

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	0.60614	0.60004	0.61243	0.60614	0.087489	0.60578
0.5	0.43334	0.42864	0.43821	0.34515	0.099635	0.43111
1	0.31249	0.30816	0.31701	0.22883	0.13211	0.31229
2	0.22283	0.21862	0.2273	0.15984	0.18457	0.2229
4	0.15767	0.15353	0.16217	0.11258	0.25999	0.15692
8	0.1135	0.10936	0.11816	0.080448	0.37157	0.11424
16	0.078802	0.074815	0.083502	0.055668	0.51424	0.078277
32	0.057885	0.053853	0.062983	0.040618	0.75043	0.05885
64	0.036375	0.032913	0.041224	0.025531	0.94339	0.036412
128	0.02814	0.024508	0.034079	0.021568	1.5939	0.025696
256	0.021479	0.017741	0.029357	0.012825	1.8955	0.02307
512	0.010875	0.0083272	0.019829	0.0026373	0.77959	0.010666

CALLISTO eC181 13.04.2024

Allan STD DEV



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Figure 3 : Allan Standard Deviation