

AlaVar generated report

C:\CALLISTO-01\FITfiles\TotalLightCurve100.prn

File 'C:\CALLISTO-01\FITfiles\TotalLightCurve100.prn' created on 19.06.2020 14:39:52

Column # 1 was processed

Data length N = 50400 points.

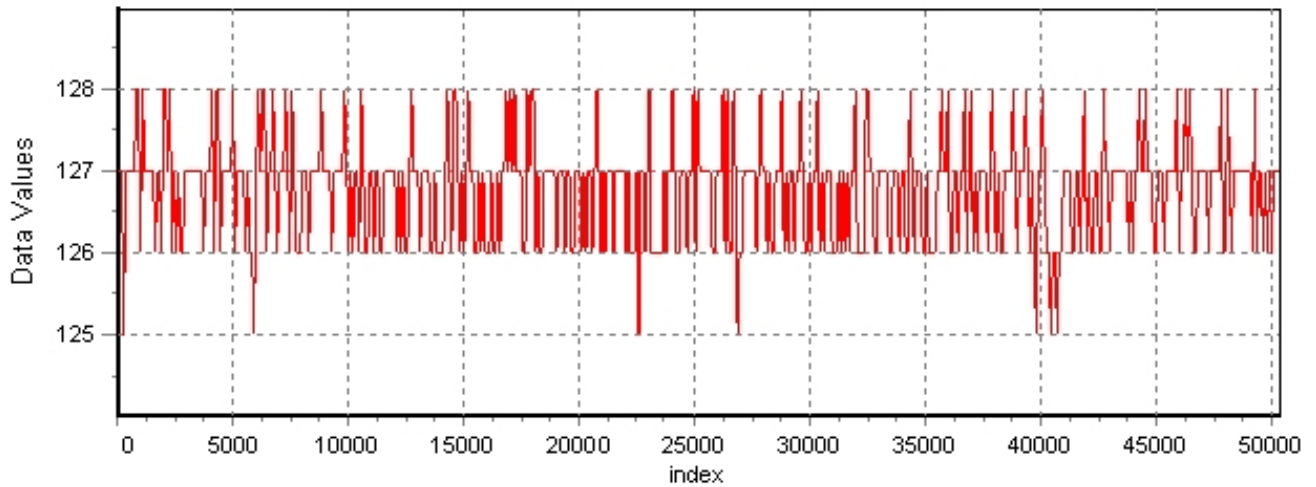
The mean Value of the processed data = 126.672

The Stanardr Deviation of the processed data = 3.04968

The number of removed outliers is 28

AlaVar 5.2

Data Values

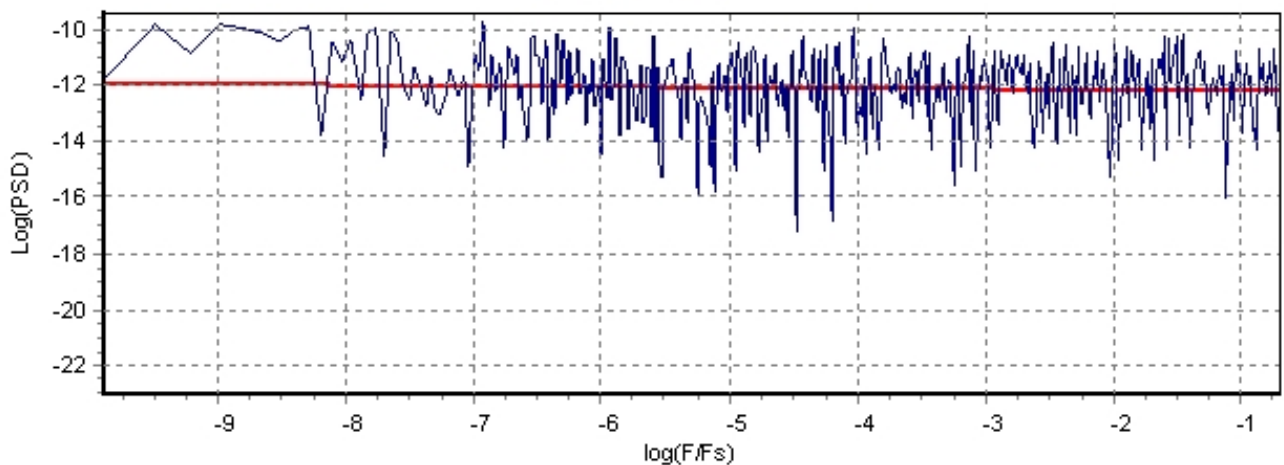


Produced by AlaVar 5.2

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 0.150000 seconds
 The error bars were computed for a : White FM
 The computation of the Error bars lasted 0 seconds

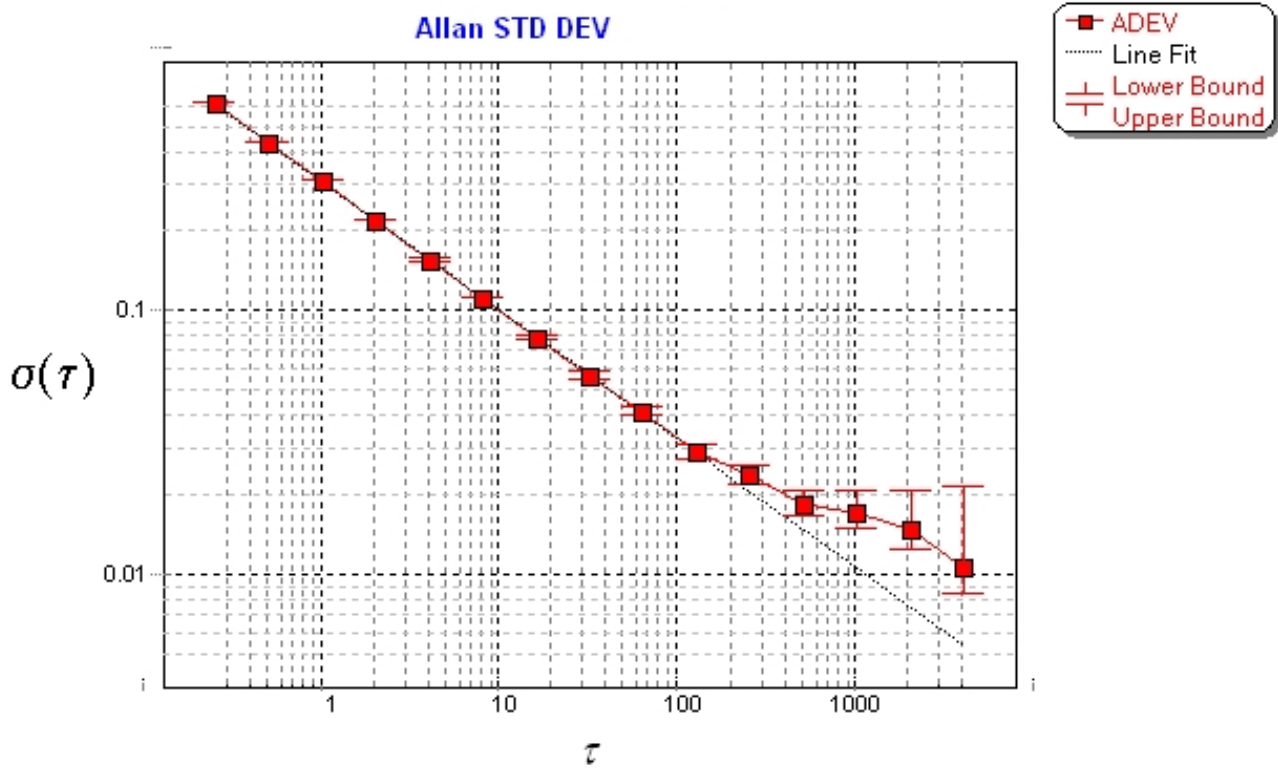
ADEV(tau) was fitted to a line :
 The Slope of the line is =-0.488552
 The fit result is ADEV(tau=1) = Stability =0.308856

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	0.61537	0.61301	0.61776	0.61537	0.088821	0.61581
0.5	0.43483	0.43302	0.43665	0.34415	0.099349	0.4344
1	0.30994	0.30829	0.31161	0.22695	0.13103	0.30969
2	0.21963	0.21803	0.22126	0.15667	0.18091	0.21972
4	0.15491	0.15334	0.15654	0.10964	0.2532	0.15492
8	0.11043	0.10885	0.11207	0.07888	0.36433	0.11002
16	0.078607	0.077035	0.080279	0.055511	0.51279	0.078307
32	0.056676	0.055092	0.058404	0.040315	0.74483	0.056418
64	0.041038	0.039442	0.042845	0.029673	1.0964	0.041034
128	0.029188	0.027617	0.031062	0.020971	1.5498	0.028237
256	0.023514	0.021773	0.025751	0.017639	2.607	0.02296
512	0.018102	0.016274	0.020727	0.013089	3.8692	0.016063
1024	0.016907	0.014595	0.020838	0.012672	7.492	0.013261
2048	0.014665	0.011962	0.020768	0.012183	14.405	0.012429
4096	0.010489	0.0078878	0.021366	0.0048605	11.494	0.01252

Alan Variance eC129

Allan STD DEV



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Figure 3 : Allan Standard Deviation