

# AlaVar generated report

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

File 'C:\CALLISTO-01\FITfiles\TotalLightCurve100.prn' created on 26.07.2021 17:10:02

Column # 1 was processed

Data length N = 18000 points.

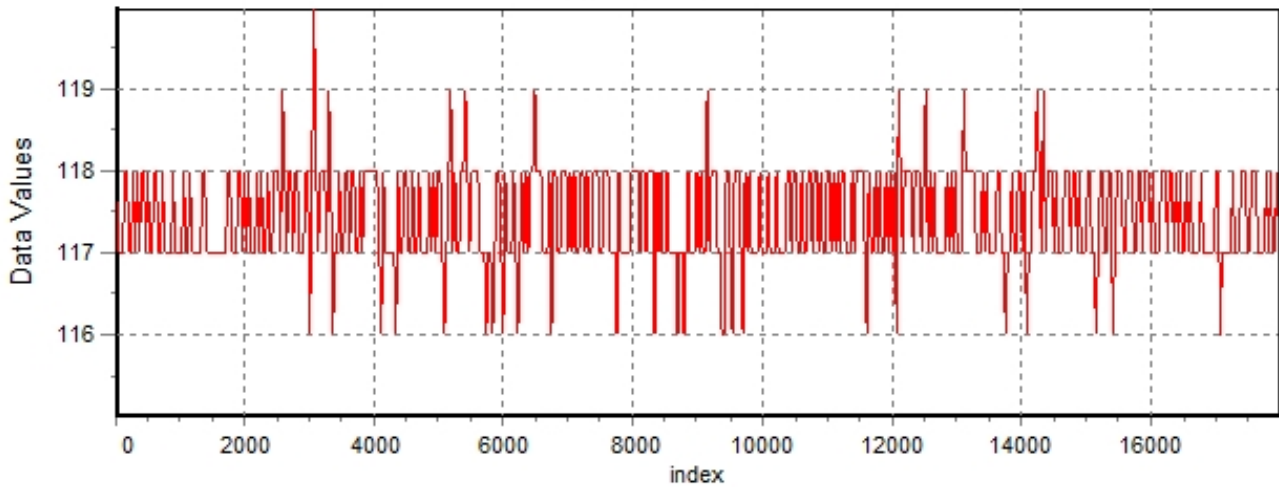
The mean Value of the processed data = 117.349

The Stanadr Deviation of the processed data = 2.82838

The number of removed outliers is 10

## AlaVar 5.2

### Data Values

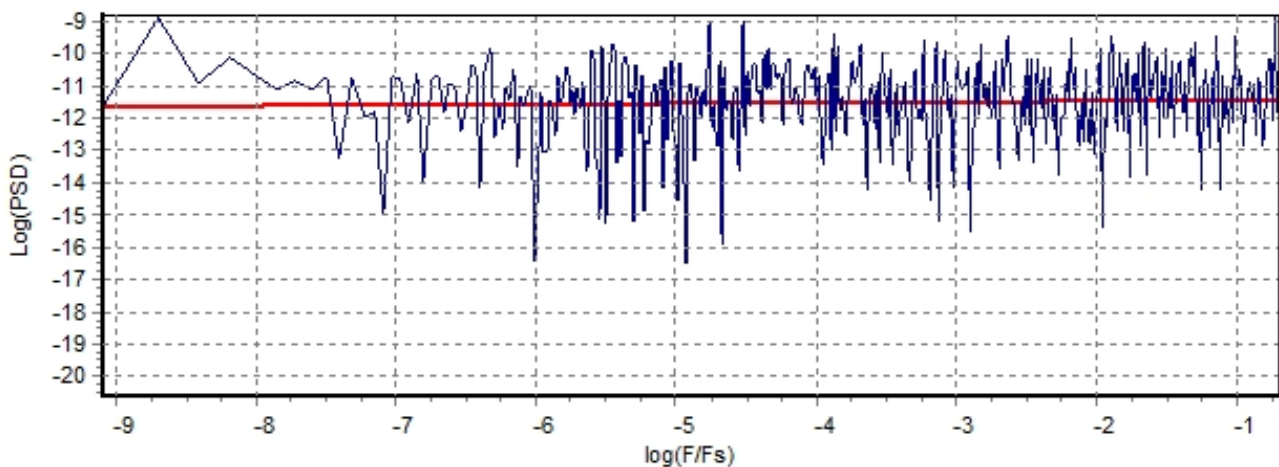


Produced by AlaVar 5.2

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 0.194000 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 Solpe of the line is =-0.514535  
 The fit result is ADEV(tau=1) = Stability =0.291713

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	0.59299	0.58919	0.59685	0.59299	0.08559	0.5946
0.5	0.41221	0.40936	0.41511	0.32438	0.09364	0.4125
1	0.29076	0.28819	0.2934	0.21096	0.1218	0.2913
2	0.20489	0.20241	0.20746	0.14649	0.16915	0.20454
4	0.14523	0.14279	0.14781	0.10265	0.23707	0.14493
8	0.10291	0.10049	0.10552	0.072041	0.33274	0.10379
16	0.069486	0.067205	0.072017	0.048376	0.44688	0.069595
32	0.048009	0.045821	0.050544	0.032749	0.60504	0.048705
64	0.033195	0.031107	0.035768	0.023623	0.87287	0.033425
128	0.02348	0.021457	0.026208	0.017167	1.2687	0.022858
256	0.020264	0.017891	0.023927	0.016021	2.368	0.018773
512	0.018827	0.01585	0.024518	0.013159	3.8898	0.017867
1024	0.016632	0.013091	0.026657	0.013104	7.7471	0.017984

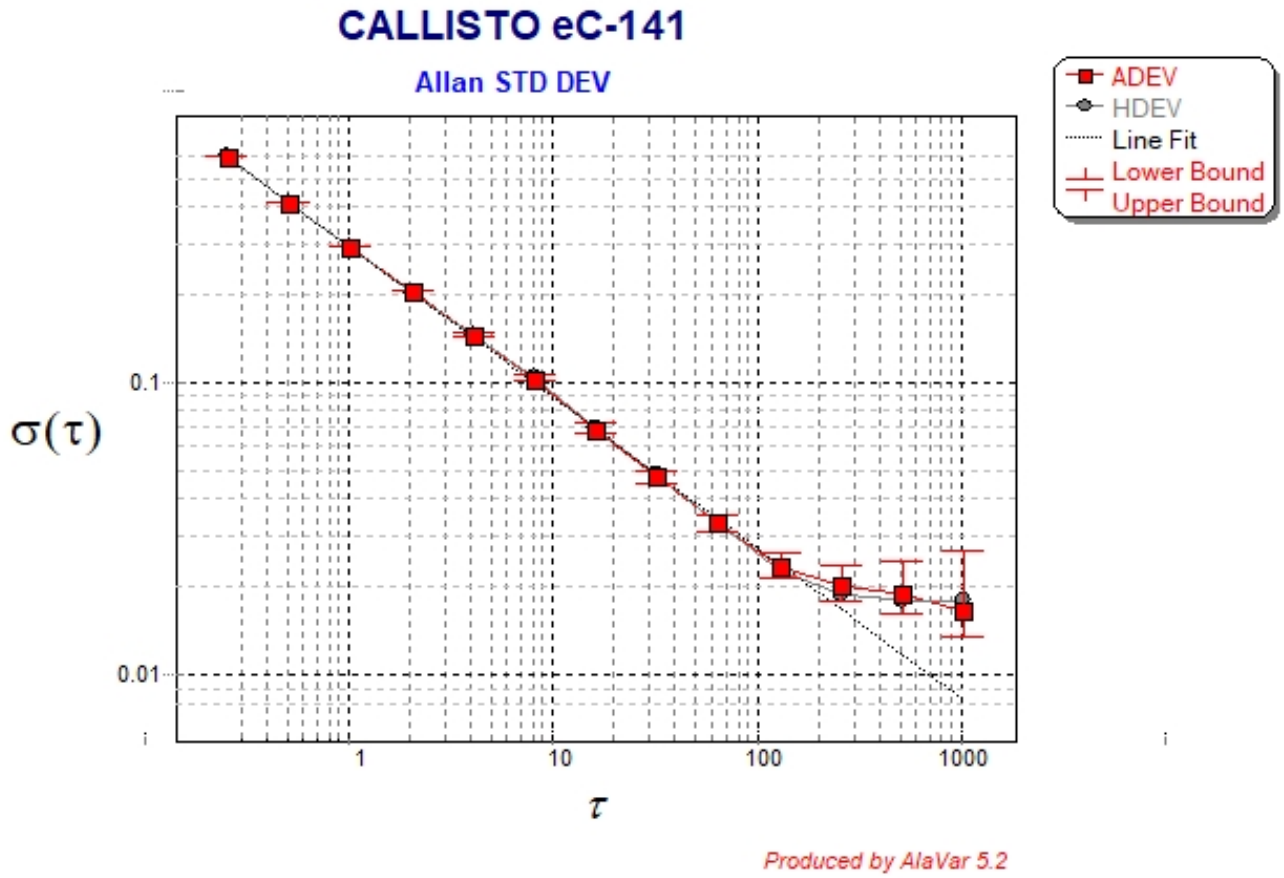


Figure 3 : Allan Standard Deviation