

AlaVar generated report

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

File 'C:\CALLISTO-01\FITfiles\TotalLightCurve100.prn' created on 26.07.2021 10:40:18

Column # 1 was processed

Data length N = 12600 points.

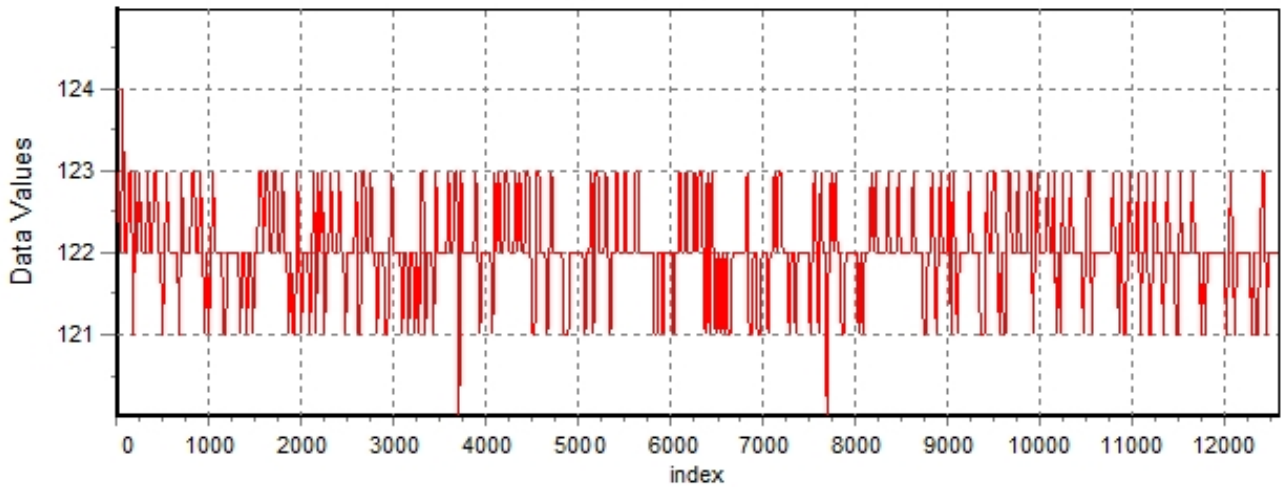
The mean Value of the processed data = 121.931

The Stanadr Deviation of the processed data = 2.93986

The number of removed outliers is 7

AlaVar 5.2

Data Values

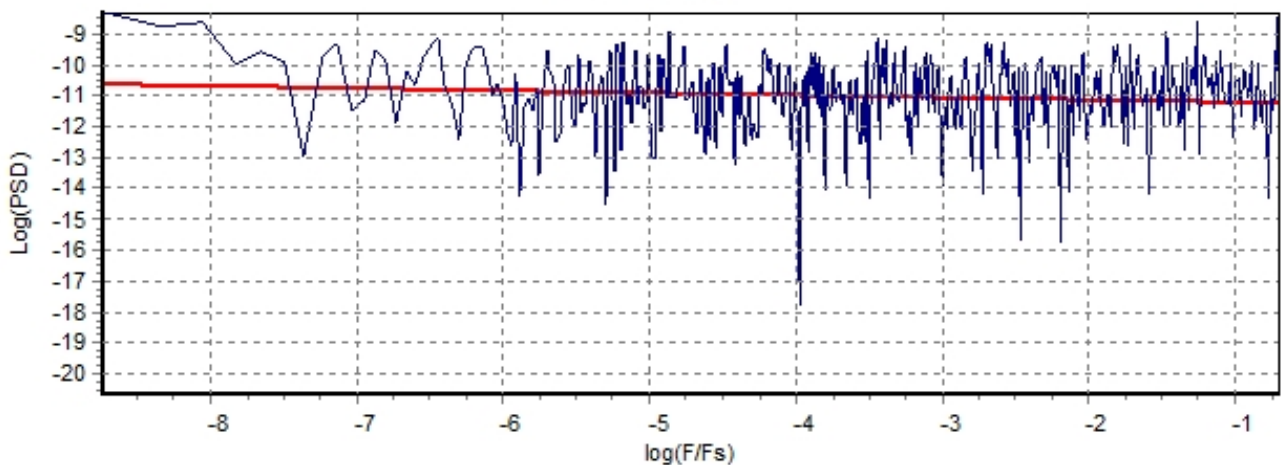


Produced by AlaVar 5.2

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 0.199000 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 Slope of the line is =-0.496922
 The fit result is ADEV(tau=1) = Stability =0.307841

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 | 0.60997 | 0.60531 | 0.61473 | 0.60997 | 0.088041 | 0.60844 |
| 0.5 | 0.43632 | 0.43273 | 0.44001 | 0.34546 | 0.099725 | 0.43662 |
| 1 | 0.30779 | 0.30455 | 0.31113 | 0.22515 | 0.12999 | 0.30638 |
| 2 | 0.22051 | 0.21733 | 0.22382 | 0.15695 | 0.18123 | 0.22124 |
| 4 | 0.15261 | 0.14955 | 0.15586 | 0.10719 | 0.24754 | 0.15256 |
| 8 | 0.1089 | 0.10586 | 0.11223 | 0.07768 | 0.35879 | 0.10834 |
| 16 | 0.078954 | 0.075883 | 0.08243 | 0.056154 | 0.51873 | 0.079993 |
| 32 | 0.054546 | 0.05161 | 0.058048 | 0.039795 | 0.73521 | 0.052563 |
| 64 | 0.044351 | 0.041068 | 0.048571 | 0.032029 | 1.1835 | 0.045641 |
| 128 | 0.028307 | 0.025448 | 0.032411 | 0.019108 | 1.4121 | 0.026382 |
| 256 | 0.020005 | 0.017269 | 0.024656 | 0.013408 | 1.9817 | 0.017568 |
| 512 | 0.01851 | 0.015099 | 0.026213 | 0.010664 | 3.1523 | 0.013122 |
| 1024 | 0.01575 | 0.011844 | 0.032081 | 0.010559 | 6.2423 | 0.016613 |

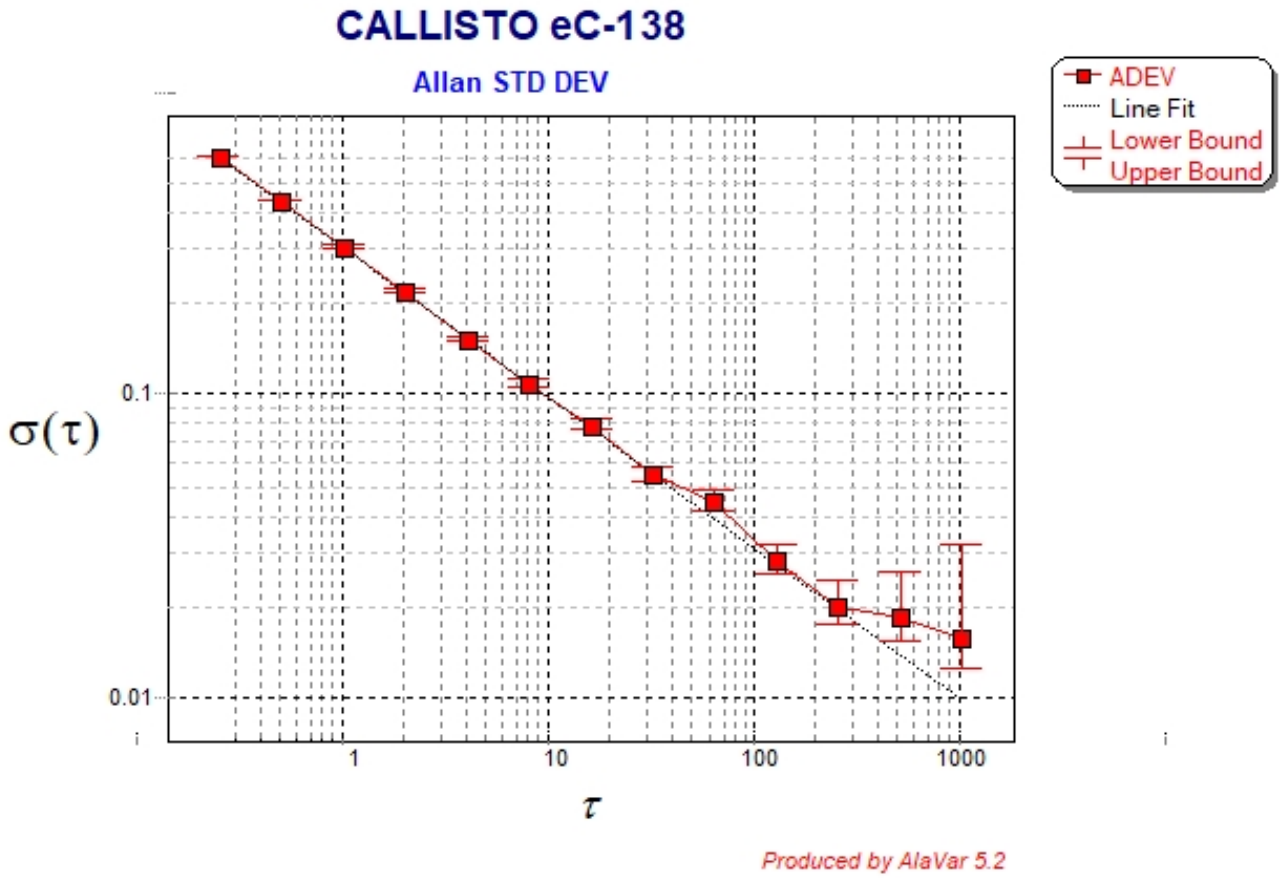


Figure 3 : Allan Standard Deviation