

AlaVar generated report

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

File 'C:\CALLISTO-01\FITfiles\TotalLightcurve.DAT' created on 15.10.2023 19:53:36

Column # 1 was processed

Data length N = 17692 points.

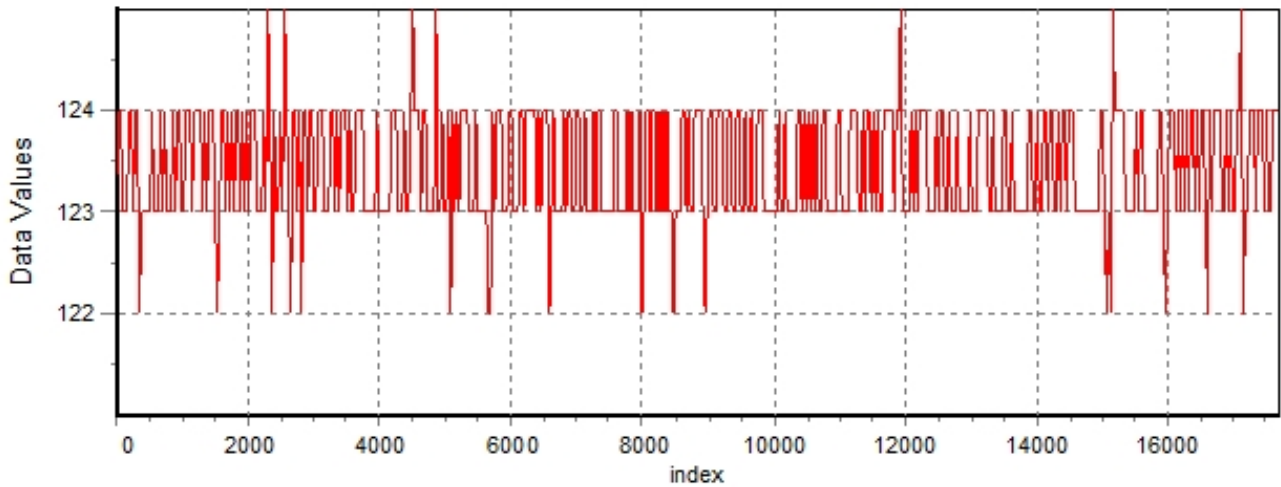
The mean Value of the processed data = 123.387

The Stanardr Deviation of the processed data = 2.99393

The number of removed outliers is 10

AlaVar 5.2

Data Values

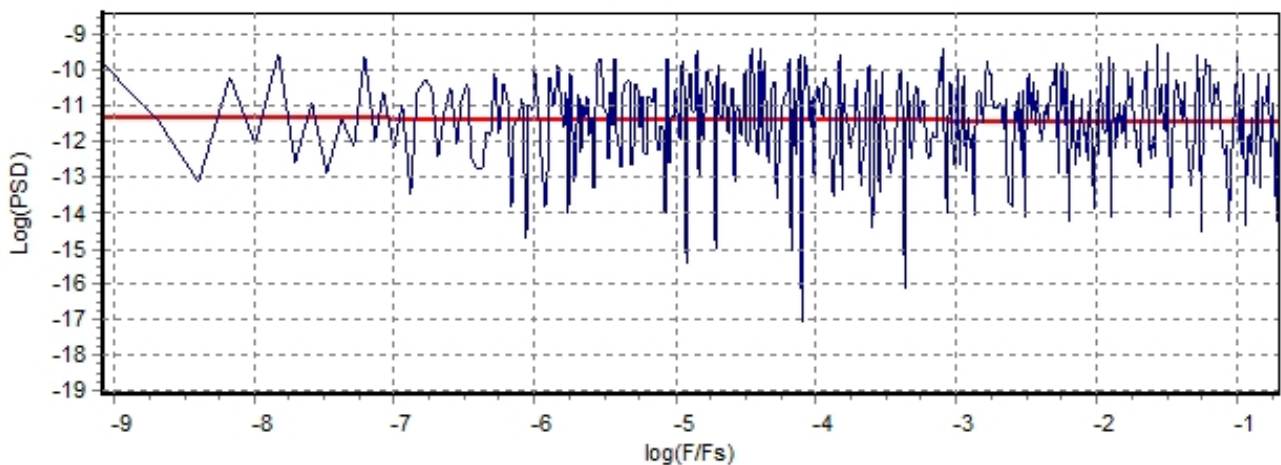


Produced by AlaVar 5.2

Figure 1 : Processed Data

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PSD of Data



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Figure 2 : Data PSD

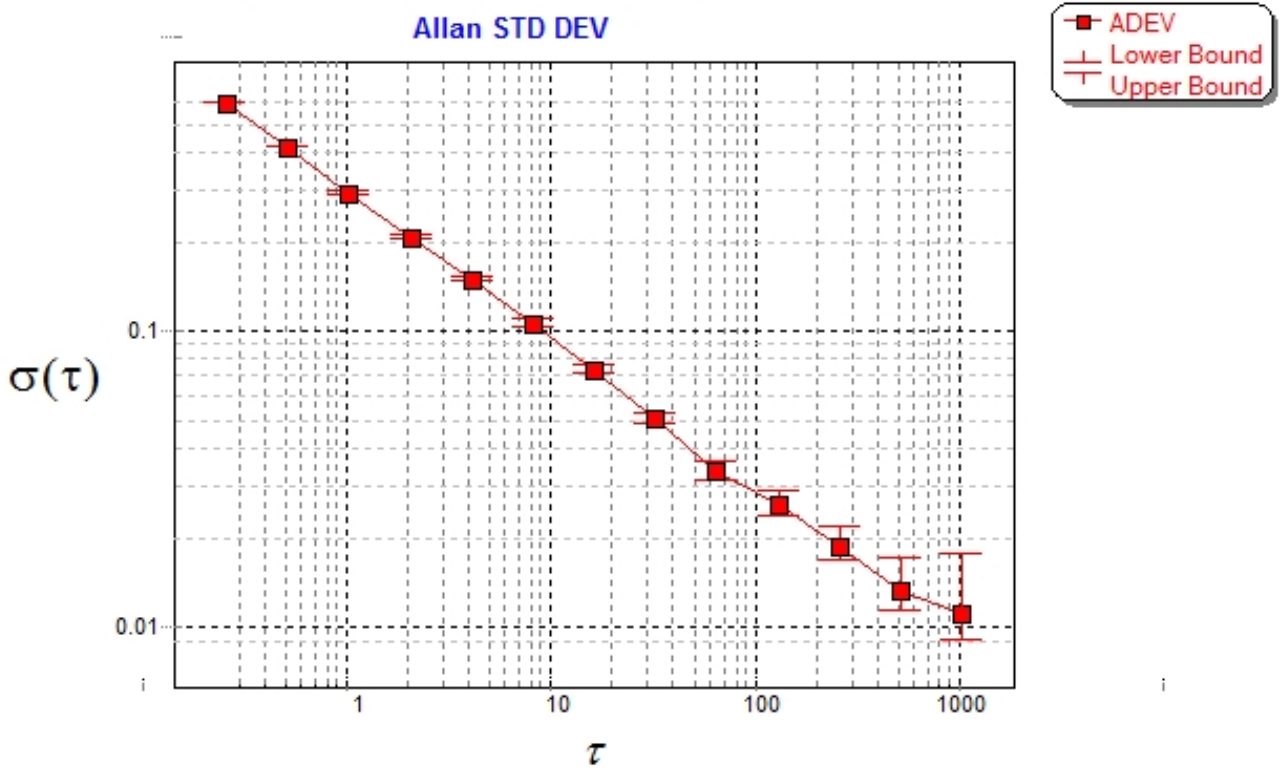
The computation of the 3 ALLAN STD DEVs lasted 0.022000 seconds
 The error bars were computed for a : White FM
 The computation of the Error bars lasted 0.001 seconds

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 | 0.59276 | 0.58894 | 0.59666 | 0.59276 | 0.085558 | 0.59161 |
| 0.5 | 0.42216 | 0.41922 | 0.42516 | 0.33348 | 0.096268 | 0.42287 |
| 1 | 0.29683 | 0.29419 | 0.29955 | 0.21664 | 0.12508 | 0.29698 |
| 2 | 0.21004 | 0.20748 | 0.2127 | 0.15003 | 0.17324 | 0.20944 |
| 4 | 0.15039 | 0.14784 | 0.15308 | 0.10721 | 0.24759 | 0.15017 |
| 8 | 0.10685 | 0.10431 | 0.10958 | 0.075268 | 0.34765 | 0.10737 |
| 16 | 0.074207 | 0.071751 | 0.076934 | 0.052328 | 0.48339 | 0.074658 |
| 32 | 0.050642 | 0.048315 | 0.053341 | 0.034635 | 0.63988 | 0.051505 |
| 64 | 0.033876 | 0.031729 | 0.036528 | 0.023678 | 0.8749 | 0.033072 |
| 128 | 0.026021 | 0.023762 | 0.029077 | 0.018703 | 1.3822 | 0.026331 |
| 256 | 0.018613 | 0.016416 | 0.022017 | 0.013373 | 1.9765 | 0.018463 |
| 512 | 0.013265 | 0.011152 | 0.017332 | 0.0092444 | 2.7327 | 0.013889 |
| 1024 | 0.011055 | 0.0086838 | 0.017864 | 0.0064605 | 3.8195 | 0.011262 |

CALLISTO eC173, 15.10.2023

Allan STD DEV



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Figure 3 : Allan Standard Deviation