

# AlaVar generated report

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

File 'C:\CALLISTO-01\FITfiles\TotalLightcurve.DAT' created on 15.10.2023 14:41:30

Column # 1 was processed

Data length N = 12600 points.

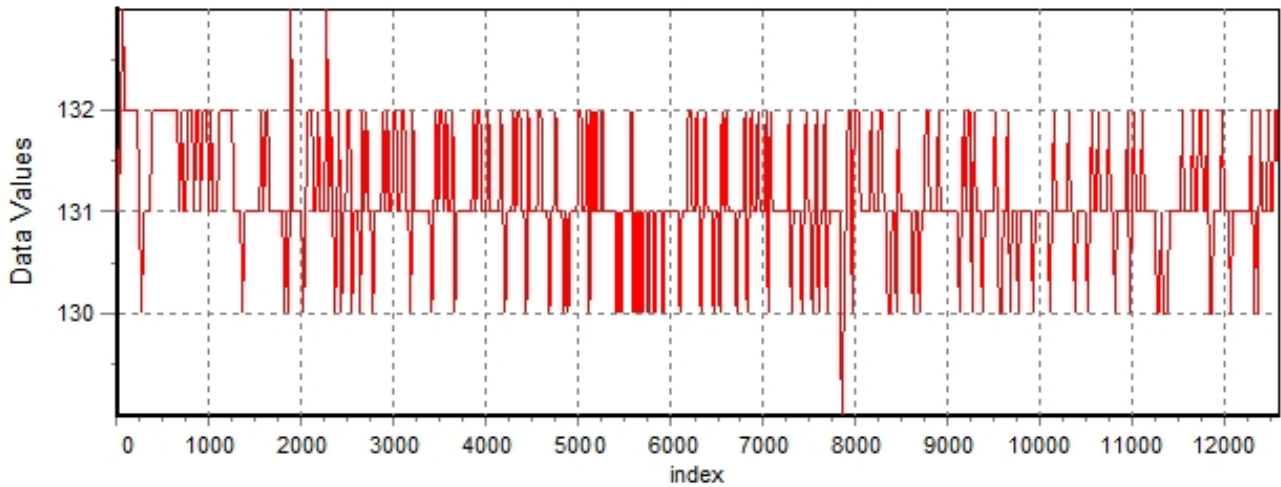
The mean Value of the processed data = 131.068

The Stanardr Deviation of the processed data = 3.14764

The number of removed outliers is 7

## AlaVar 5.2

### Data Values

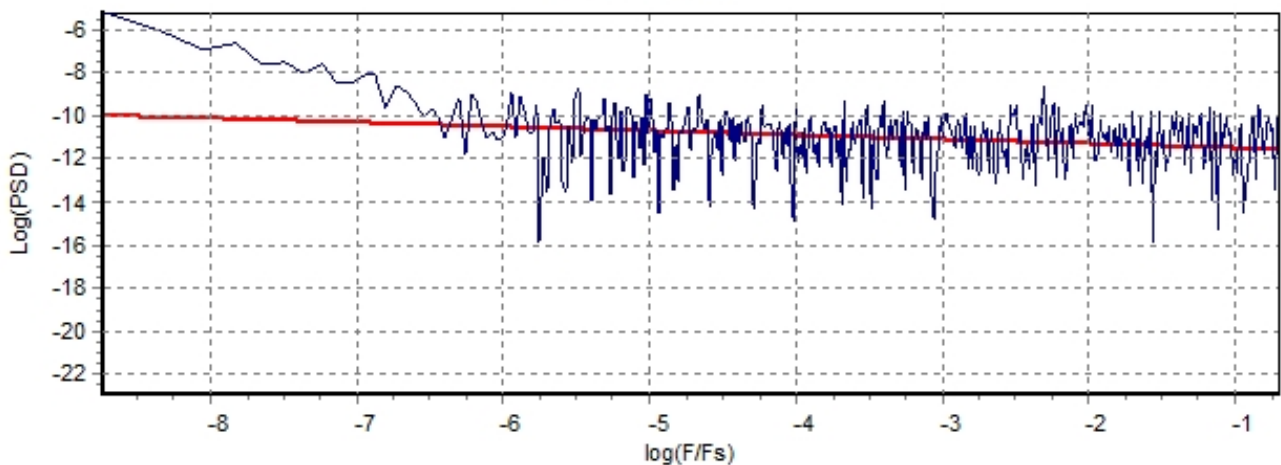


Produced by AlaVar 5.2

Figure 1 : Processed Data

## AlaVar 5.2

### PSD of Data



Produced by AlaVar 5.2

Figure 2 : Data PSD

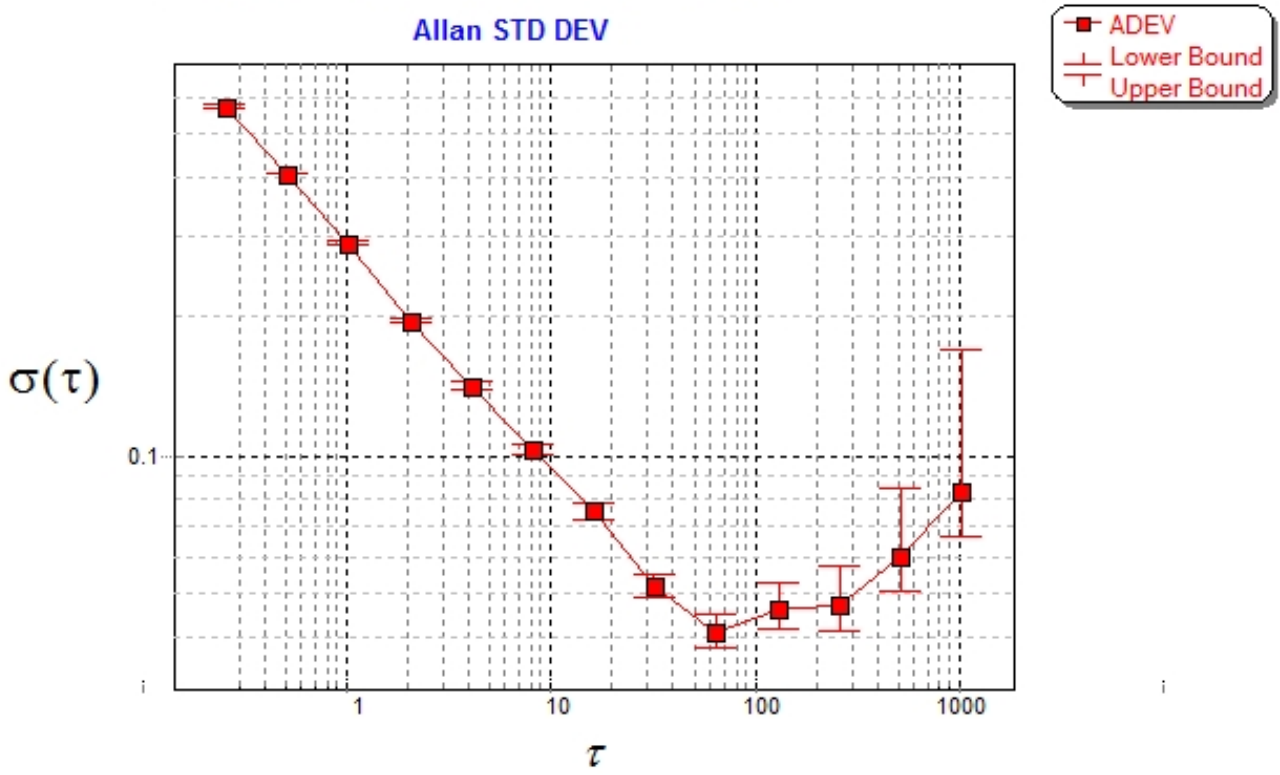
The computation of the 3 ALLAN STD DEVs lasted 0.016000 seconds  
 The error bars were computed for a : White FM  
 The computation of the Error bars lasted 0.001 seconds

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	0.57402	0.56963	0.5785	0.57402	0.082852	0.57362
0.5	0.40733	0.40397	0.41077	0.32225	0.093027	0.40721
1	0.28767	0.28464	0.29079	0.2081	0.12015	0.29055
2	0.19489	0.19209	0.19782	0.13836	0.15976	0.19351
4	0.14178	0.13894	0.14481	0.10063	0.2324	0.14113
8	0.10273	0.09986	0.10587	0.074063	0.34208	0.10162
16	0.075798	0.07285	0.079135	0.054358	0.50213	0.075892
32	0.05204	0.049238	0.055381	0.036036	0.66577	0.051099
64	0.041307	0.038249	0.045238	0.03239	1.1968	0.033119
128	0.046292	0.041616	0.053003	0.033486	2.4746	0.030208
256	0.047003	0.040574	0.057931	0.034069	5.0355	0.020604
512	0.060422	0.049288	0.085568	0.045536	13.461	0.025566
1024	0.083008	0.062423	0.16908	0.071867	42.489	0.078062

### CALLISTO eC171, 15.10.2023

Allan STD DEV



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Figure 3 : Allan Standard Deviation