

# AlaVar generated report

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

File 'C:\CALLISTO-01\FITfiles\TotalLightcurve.DAT' created on 24.08.2022 10:28:32

Column # 1 was processed

Data length N = 7200 points.

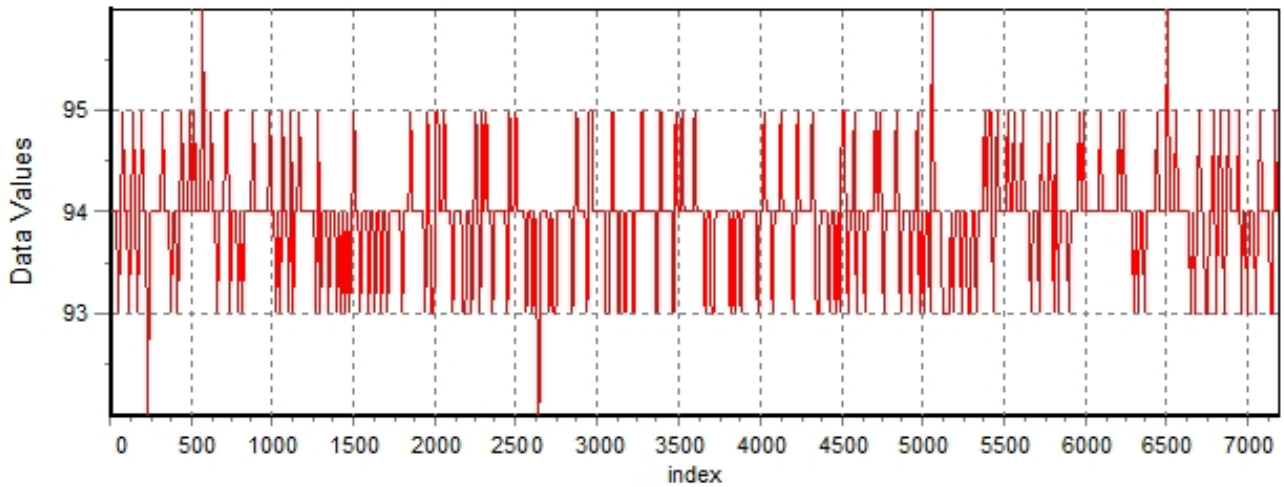
The mean Value of the processed data = 93.9358

The Stanadrd Deviation of the processed data = 2.28927

The number of removed outliers is 4

## AlaVar 5.2

### Data Values

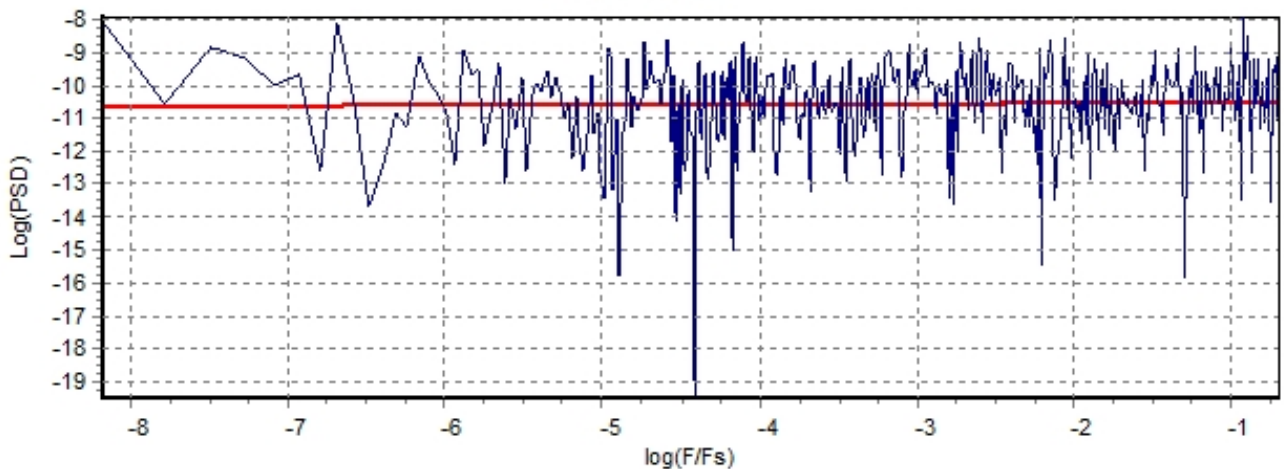


Produced by AlaVar 5.2

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 0.014000 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 Solpe of the line is =-0.511082  
 The fit result is ADEV(tau=1) = Stability =0.289212

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	0.57411	0.56833	0.58007	0.57411	0.082866	0.5729
0.5	0.41031	0.40586	0.41492	0.32583	0.094058	0.40883
1	0.29365	0.28958	0.29789	0.21439	0.12378	0.29318
2	0.20782	0.20389	0.21198	0.1471	0.16985	0.20877
4	0.14373	0.13995	0.14783	0.10202	0.2356	0.14308
8	0.1008	0.097122	0.10494	0.069485	0.32094	0.10155
16	0.068063	0.064619	0.072122	0.04616	0.4264	0.068662
32	0.048114	0.044762	0.052351	0.035543	0.65667	0.046379
64	0.039596	0.035827	0.044874	0.030429	1.1244	0.038237
128	0.033108	0.028834	0.040095	0.023492	1.7361	0.034531
256	0.020395	0.016846	0.027876	0.015638	2.3113	0.016969
512	0.025076	0.019202	0.045724	0.02002	5.9181	0.021289

### CALLISTO eC167, 24.08.2022

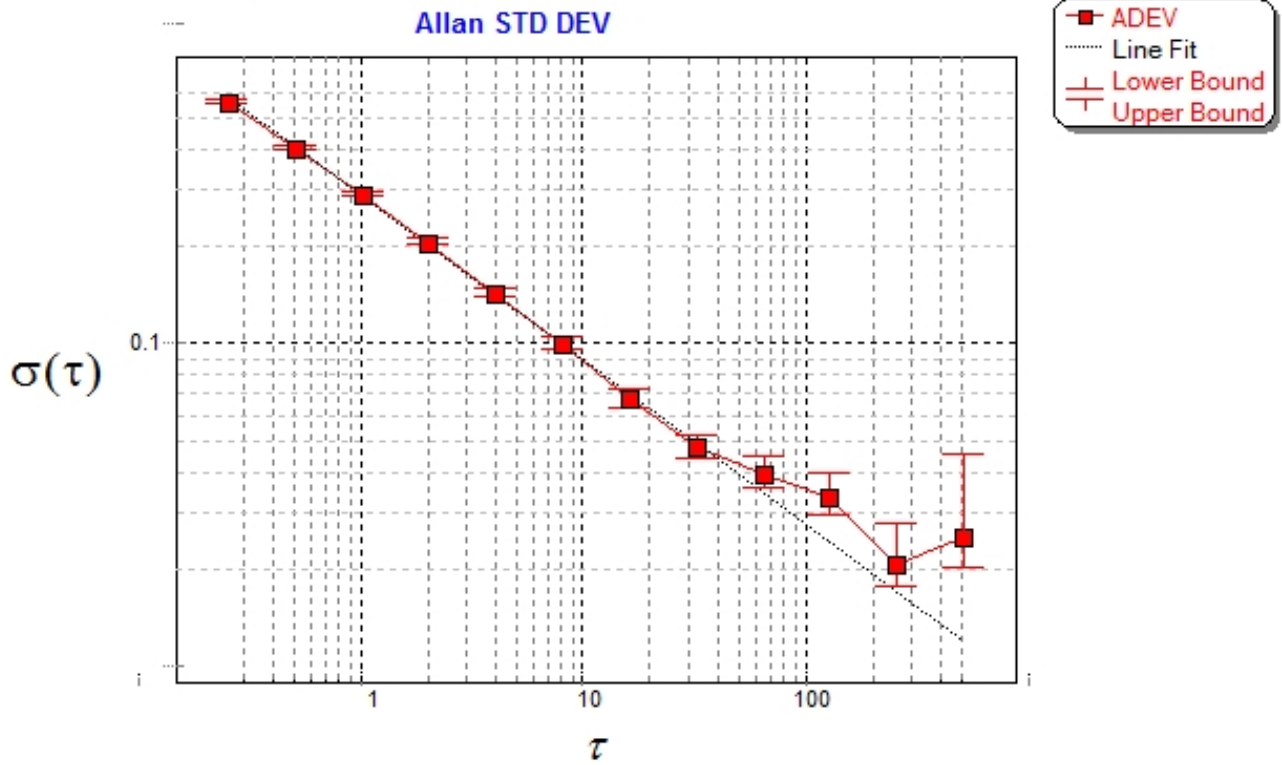


Figure 3 : Allan Standard Deviation