

# AlaVar generated report

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

File 'C:\CALLISTO-01\FITfiles\TotalLightcurve.DAT' created on 13.04.2024 18:16:32

Column # 1 was processed

Data length N = 5400 points.

The mean Value of the processed data = 116.353

The Stanadrd Deviation of the processed data = 2.81059

The number of removed outliers is 3

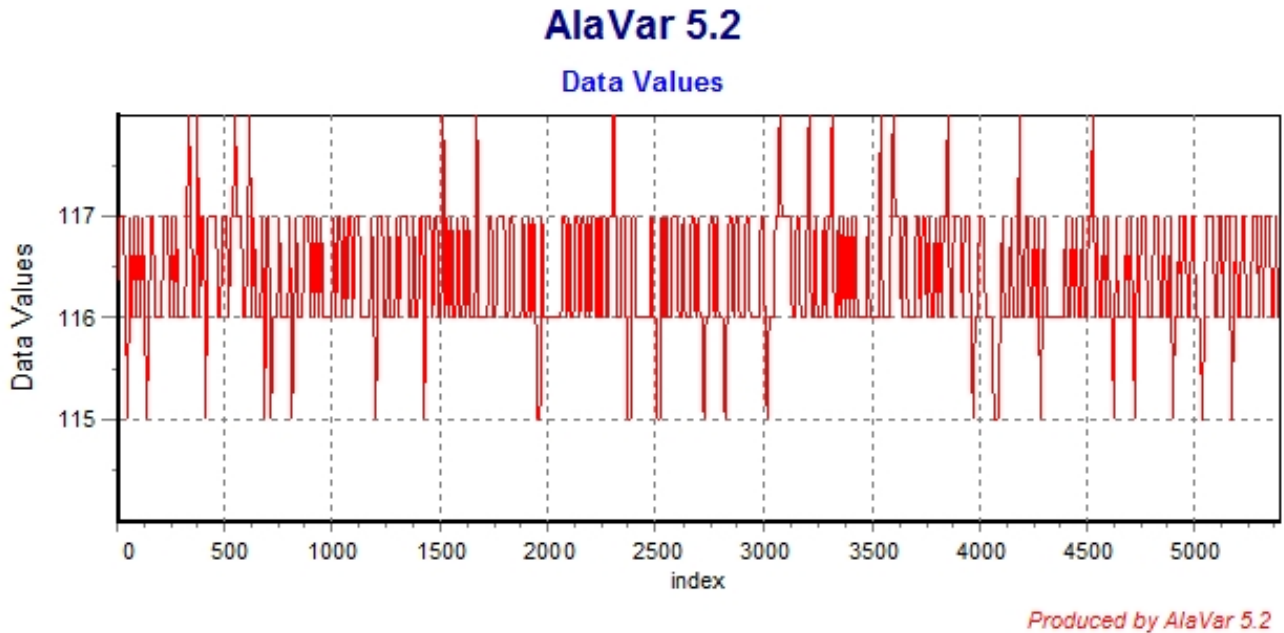


Figure 1 : Processed Data

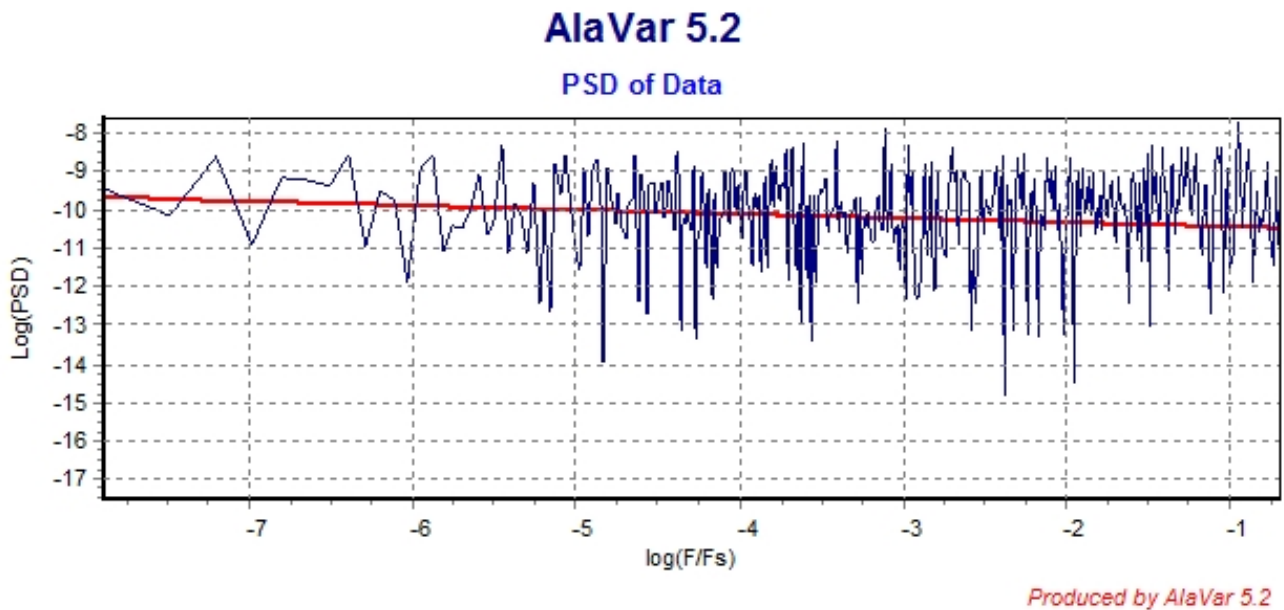


Figure 2 : Data PSD

The computation of the 3 ALLAN STD DEVs lasted 0.012000 seconds  
 The error bars were computed for a : White FM  
 The computation of the Error bars lasted 0.001 seconds

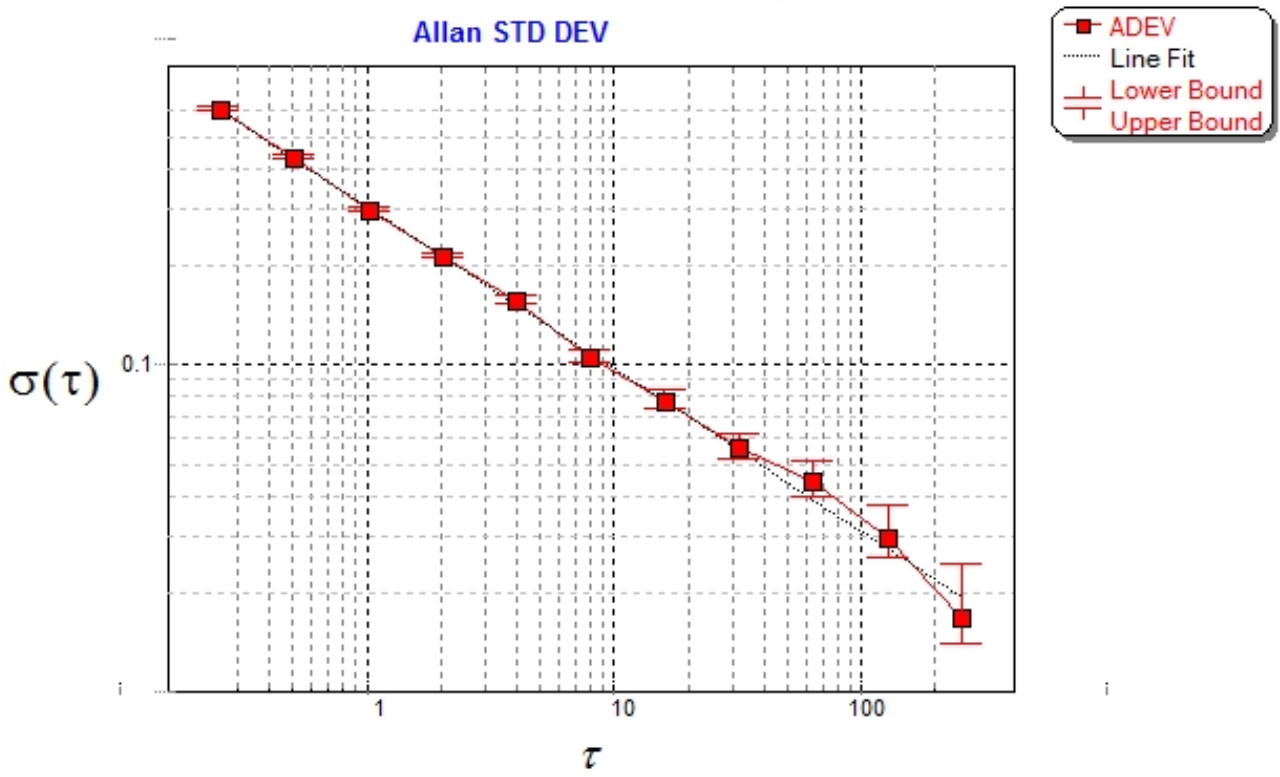
ADEV(tau) was fitted to a line :  
 The Slope of the line is =-0.496606  
 The fit result is ADEV(tau=1) = Stability =0.30512

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	0.61237	0.60527	0.61973	0.61237	0.088388	0.61245
0.5	0.4328	0.42739	0.43842	0.34168	0.098633	0.43554
1	0.29787	0.29312	0.30286	0.2154	0.12436	0.2969
2	0.21485	0.21018	0.21984	0.1554	0.17944	0.21229
4	0.15817	0.1534	0.16341	0.1118	0.25819	0.16053
8	0.10618	0.10173	0.11126	0.075842	0.3503	0.10483
16	0.077663	0.073172	0.083097	0.054847	0.50666	0.07807
32	0.055895	0.051458	0.061719	0.040944	0.75644	0.054936
64	0.044164	0.039389	0.051236	0.032536	1.2022	0.044666
128	0.029415	0.025115	0.037099	0.017776	1.3136	0.029179
256	0.016651	0.013373	0.024772	0.0098671	1.4584	0.017813

### CALLISTO eC180 13.04.2024

Allan STD DEV



Produced by AlaVar 5.2

Figure 3 : Allan Standard Deviation