

AlaVar generated report

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

File 'C:\CALLISTO-01\FITfiles\TotalLightcurve.DAT' created on 26.11.2021 20:48:12

Column # 1 was processed

Data length N = 5400 points.

The mean Value of the processed data = 117.099

The Stanadrd Deviation of the processed data = 2.83362

The number of removed outliers is 3

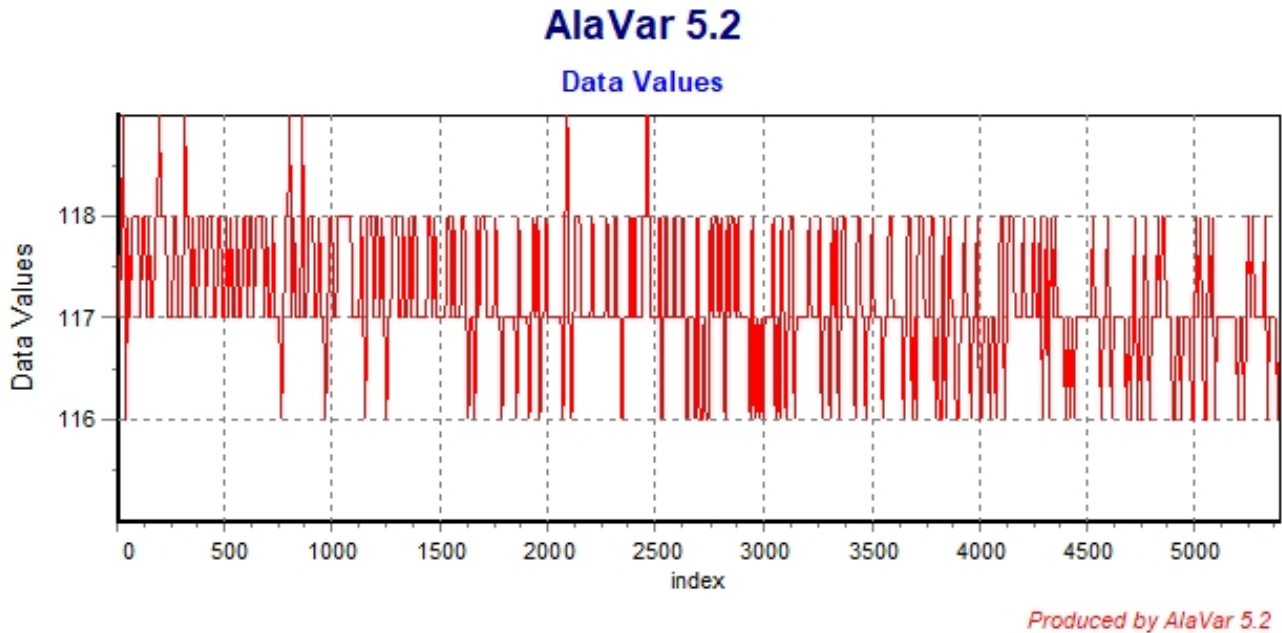


Figure 1 : Processed Data

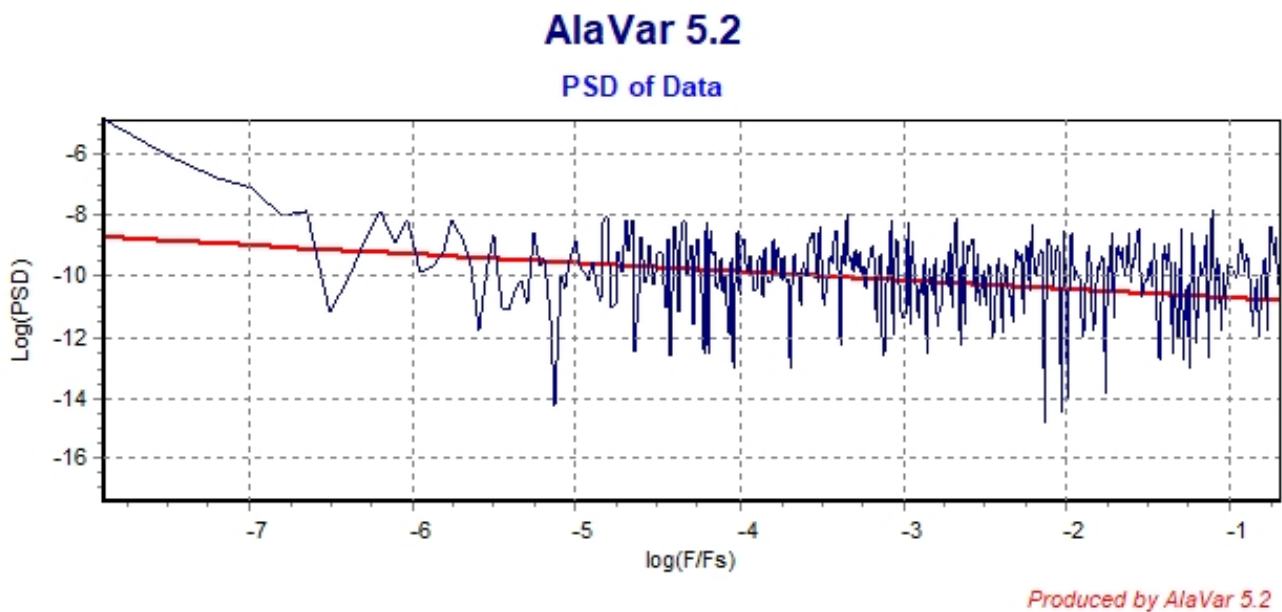


Figure 2 : Data PSD

The computation of the 3 ALLAN STD DEVS lasted 0.170000 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 =-0.483574
 The fit result is ADEV(tau=1) = Stability =0.308413

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	0.61914	0.61197	0.62658	0.61914	0.089366	0.62042
0.5	0.43162	0.42622	0.43723	0.33905	0.097877	0.4331
1	0.30072	0.29593	0.30576	0.21808	0.12591	0.30028
2	0.21522	0.21054	0.22022	0.15441	0.1783	0.21454
4	0.15537	0.15068	0.16052	0.11223	0.25918	0.15327
8	0.11764	0.11271	0.12327	0.085302	0.39399	0.11832
16	0.080373	0.075725	0.085996	0.056493	0.52186	0.079882
32	0.061117	0.056266	0.067485	0.045479	0.84024	0.060958
64	0.045333	0.040432	0.052592	0.033804	1.2491	0.040683
128	0.04968	0.042417	0.062658	0.041578	3.0726	0.022743
256	0.076852	0.061724	0.11434	0.070275	10.387	0.020232

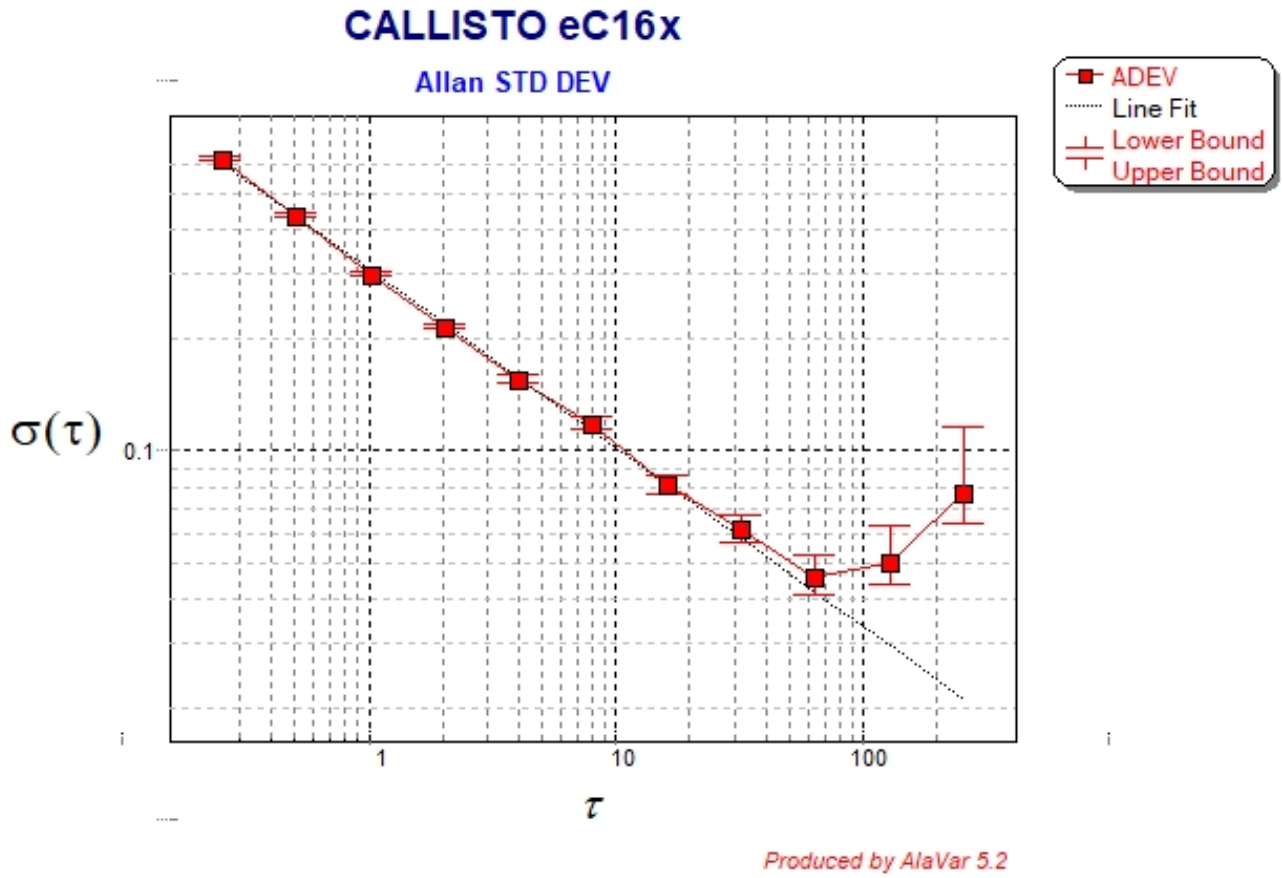


Figure 3 : Allan Standard Deviation