

AlaVar generated report

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

File 'C:\CALLISTO-01\FITfiles\TotalLightcurve.DAT' created on 07.06.2025 16:18:20

Column # 1 was processed

Data length N = 9237 points.

The mean Value of the processed data = 113.282

The Stanadrd Deviation of the processed data = 2.94783

The number of removed outliers is 6

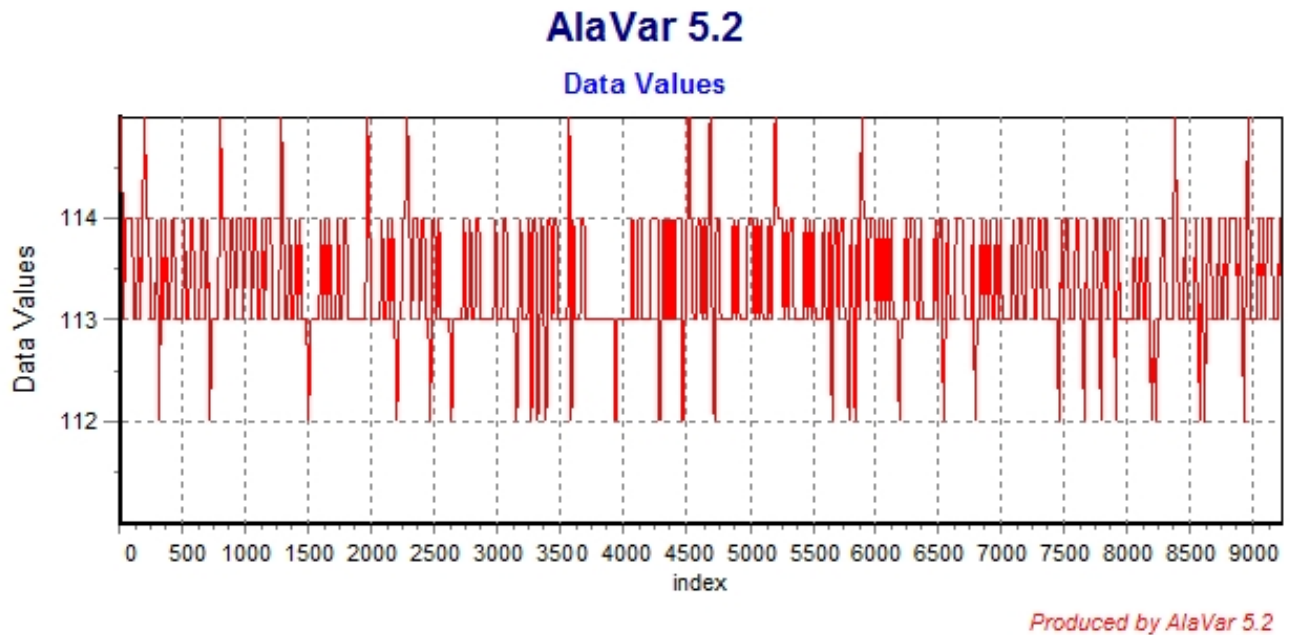


Figure 1 : Processed Data

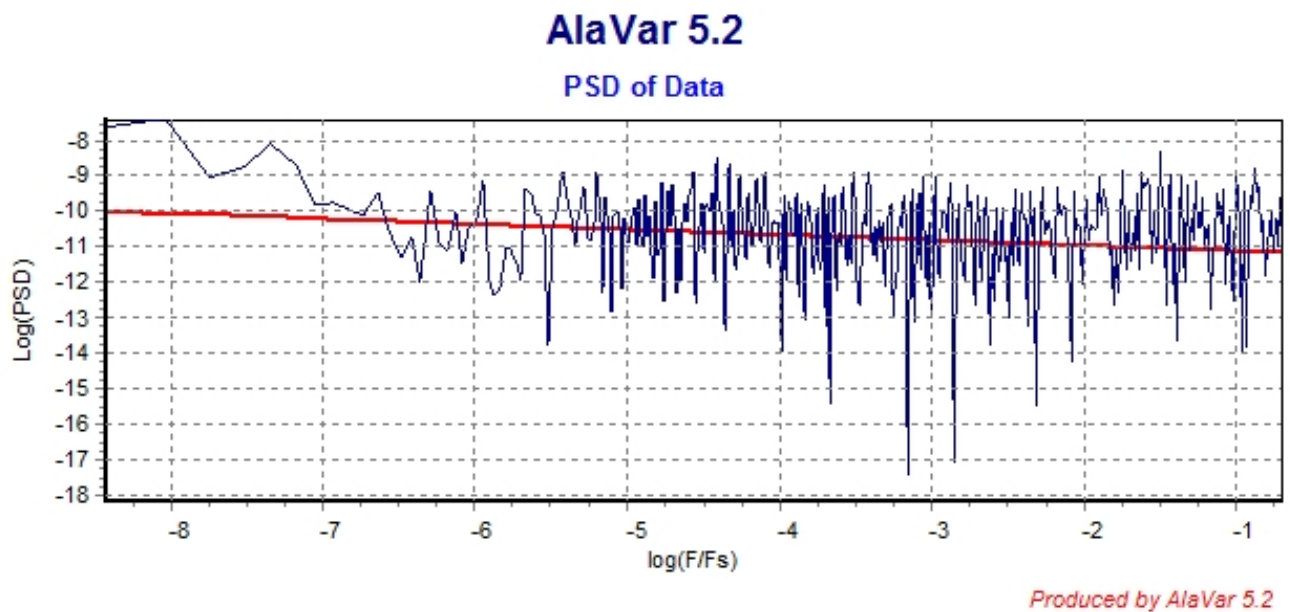


Figure 2 : Data PSD

The computation of the 3 ALLAN STD DEVs lasted 0.117000 seconds

The error bars were computed for a : White FM

The computation of the Error bars lasted 0 seconds

ADEV(tau) was fitted to a line :

The Solpe of the line is =-0.498073

The fit result is ADEV(tau=1) = Stability =0.292884

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	0.58977	0.58453	0.59517	0.58977	0.085127	0.59068
0.5	0.41424	0.41027	0.41834	0.32692	0.094374	0.41543
1	0.28875	0.28521	0.29242	0.20926	0.12082	0.28943
2	0.20129	0.19792	0.20484	0.14191	0.16386	0.20075
4	0.1455	0.14212	0.14915	0.10561	0.24389	0.14224
8	0.11181	0.10819	0.11583	0.080258	0.3707	0.11343
16	0.073386	0.070081	0.077206	0.051355	0.4744	0.072907
32	0.050708	0.047556	0.054581	0.033576	0.62033	0.051999
64	0.033719	0.030848	0.037577	0.023281	0.86026	0.030908
128	0.029277	0.025887	0.034477	0.021964	1.6232	0.020961
256	0.029299	0.024717	0.037967	0.022401	3.3109	0.022794
512	0.031115	0.024564	0.049278	0.013018	3.8482	0.032547

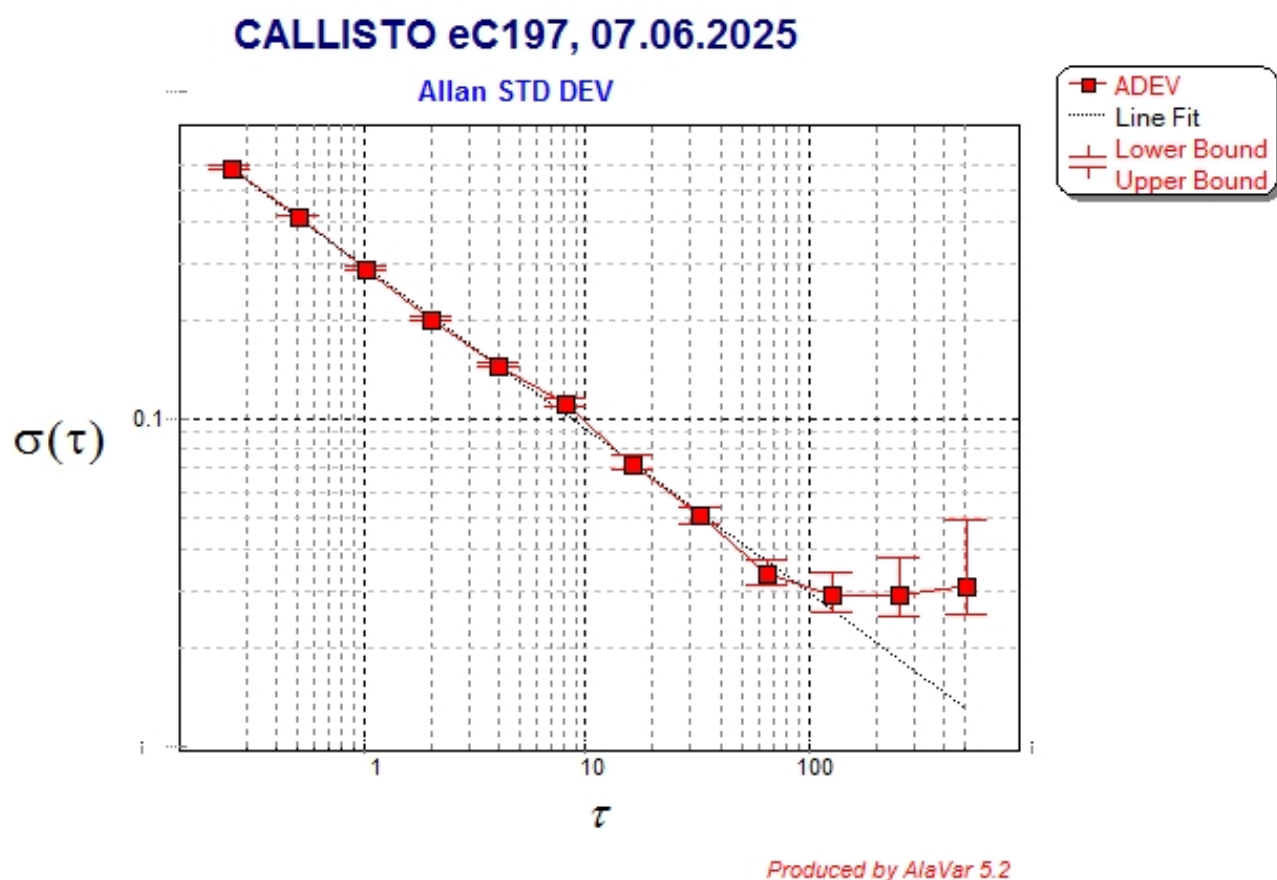


Figure 3 : Allan Standard Deviation