

AlaVar generated report

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

File 'C:\CALLISTO-01\FITfiles\TotalLightcurve.DAT' created on 28.06.2022 16:27:10

Column # 1 was processed

Data length N = 18039 points.

The mean Value of the processed data = 111.532

The Stanardr Deviation of the processed data = 2.81496

The number of removed outliers is 11

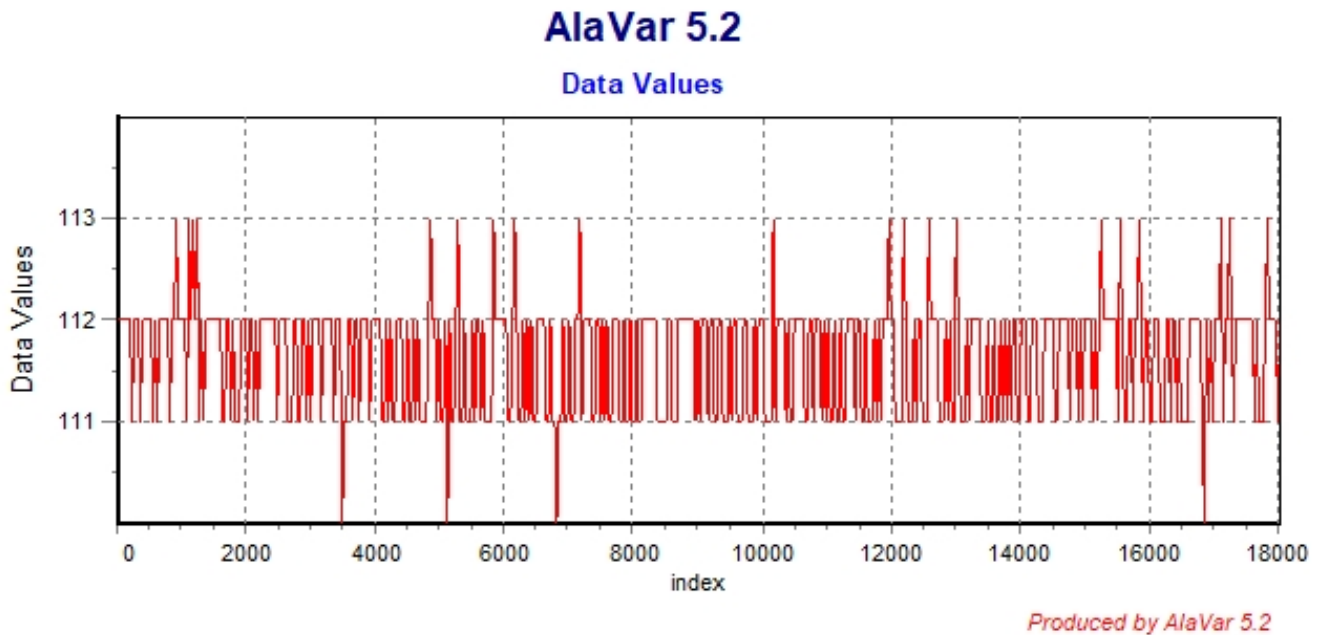


Figure 1 : Processed Data

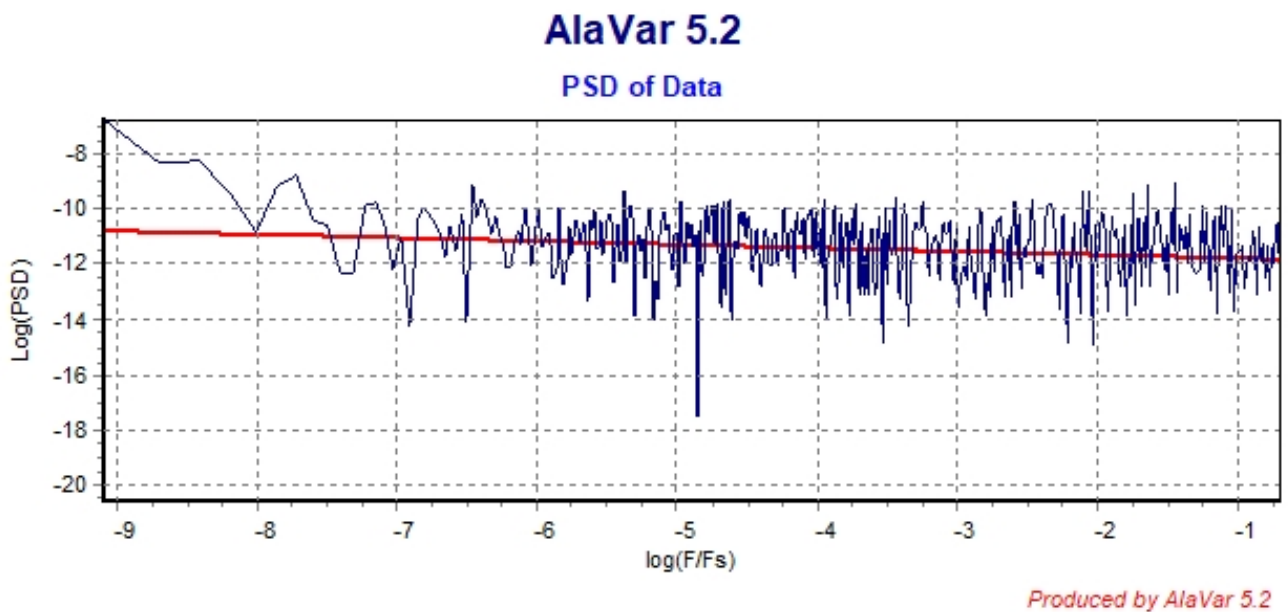


Figure 2 : Data PSD

The computation of the 3 ALLAN STD DEVs lasted 0.200000 seconds
 The error bars were computed for a : White FM
 The computation of the Error bars lasted 0 seconds

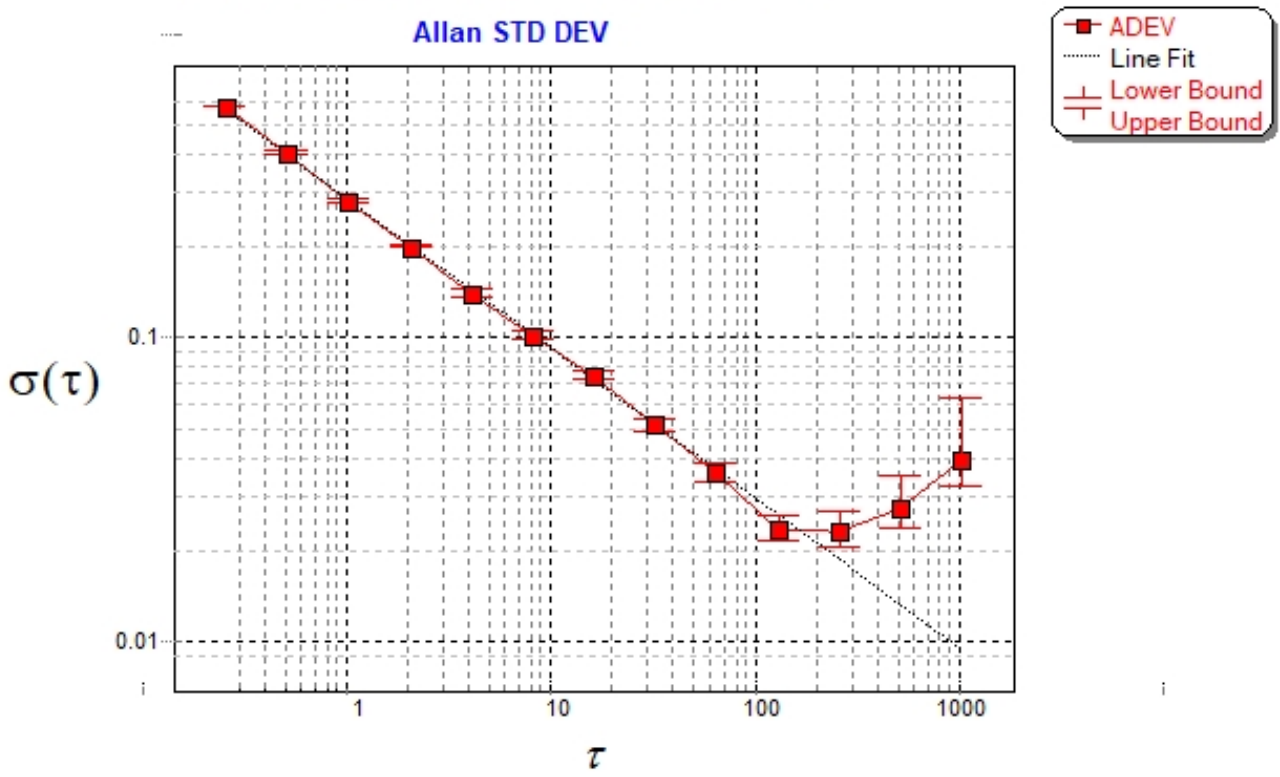
ADEV(tau) was fitted to a line :
 The Solpe of the line is =-0.49317
 The fit result is ADEV(tau=1) = Stability =0.285754

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	0.57559	0.57191	0.57935	0.57559	0.08308	0.57507
0.5	0.40937	0.40655	0.41226	0.32357	0.093408	0.41133
1	0.28241	0.27992	0.28497	0.20412	0.11785	0.28328
2	0.19759	0.19521	0.20007	0.14029	0.16199	0.19727
4	0.14071	0.13834	0.1432	0.099951	0.23083	0.14009
8	0.10197	0.099571	0.10455	0.073089	0.33758	0.10107
16	0.074969	0.07251	0.077695	0.053628	0.4954	0.075243
32	0.051985	0.049618	0.054726	0.036637	0.67688	0.052244
64	0.035902	0.033647	0.038682	0.024382	0.90093	0.0362
128	0.02319	0.021194	0.025882	0.017096	1.2634	0.021124
256	0.022812	0.020142	0.026929	0.017812	2.6327	0.018284
512	0.027132	0.022846	0.035318	0.023541	6.9589	0.013948
1024	0.039311	0.030951	0.062944	0.028752	16.999	0.029403

CALLISTO eC155 2022-06-28/cm

Allan STD DEV



Produced by AlaVar 5.2

Figure 3 : Allan Standard Deviation