

AlaVar generated report

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

File 'C:\CALLISTO-01\FITfiles\TotalLightcurve.DAT' created on 18.11.2021 14:09:44

Column # 1 was processed

Data length N = 36000 points.

The mean Value of the processed data = 115.565

The Stanardr Deviation of the processed data = 2.78235

The number of removed outliers is 20

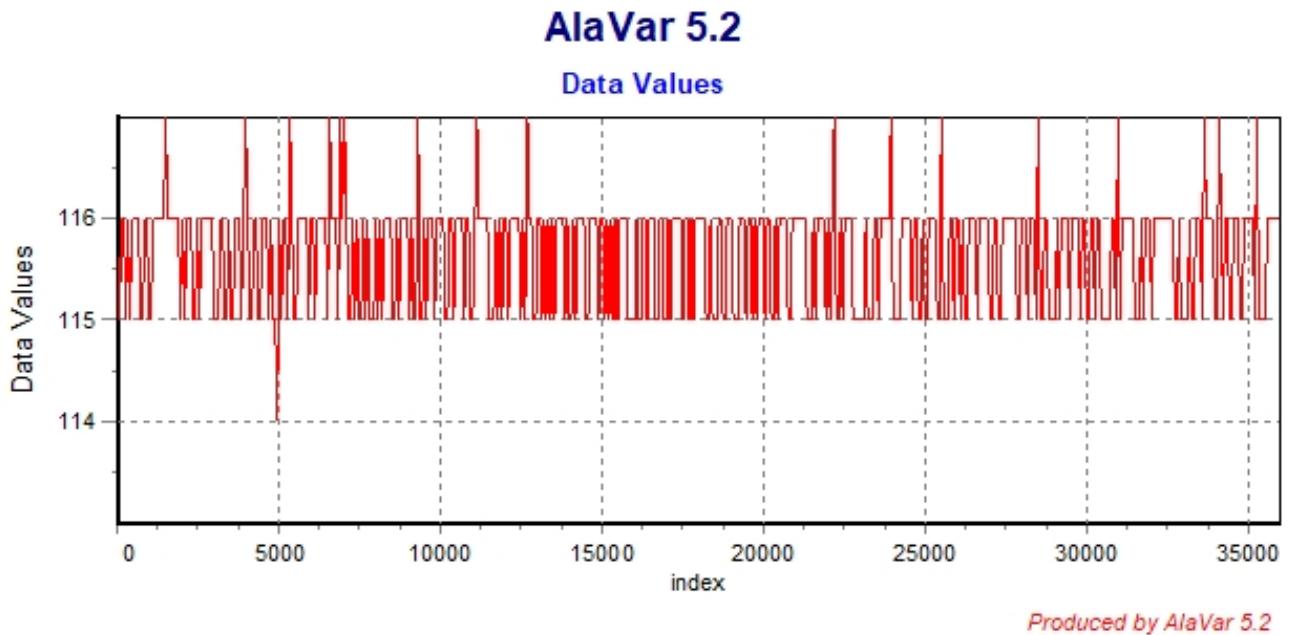


Figure 1 : Processed Data

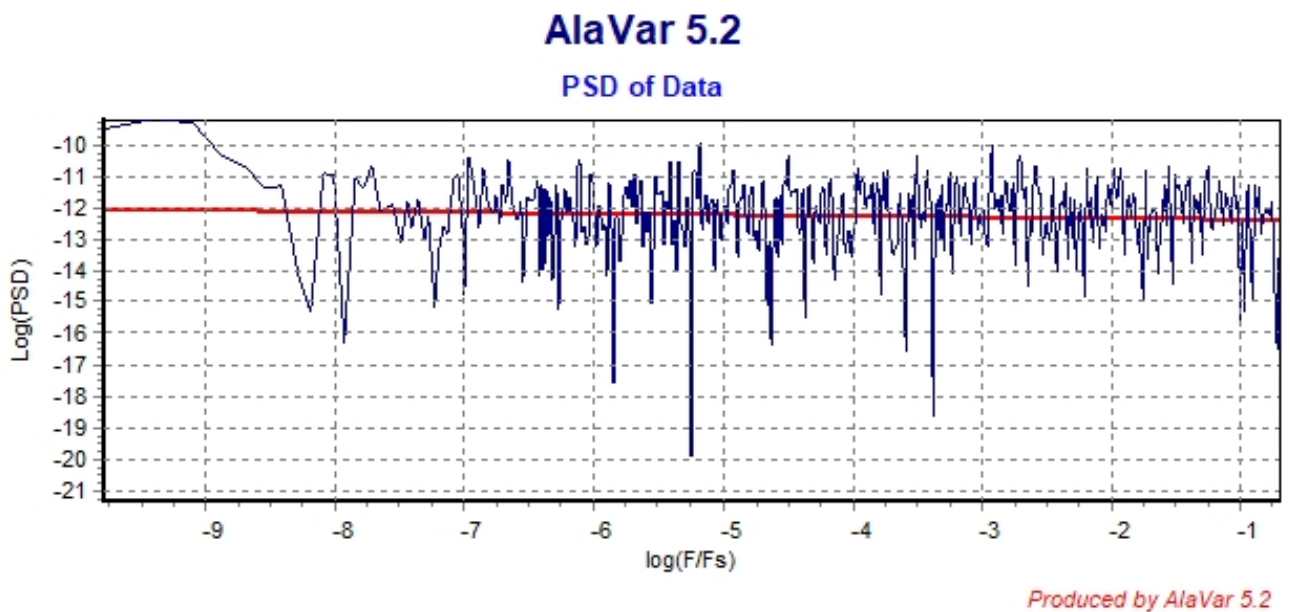


Figure 2 : Data PSD

The computation of the 3 ALLAN STD DEVs lasted 0.219000 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 =-0.50386
 The fit result is ADEV(tau=1) = Stability =0.280008

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	0.56775	0.56517	0.57036	0.56775	0.081948	0.56969
0.5	0.39508	0.39314	0.39704	0.31176	0.089998	0.39458
1	0.28007	0.27831	0.28185	0.20335	0.1174	0.28037
2	0.19714	0.19544	0.19887	0.14008	0.16175	0.1975
4	0.13844	0.13678	0.14016	0.098188	0.22675	0.13796
8	0.099452	0.09778	0.10121	0.070458	0.32543	0.099953
16	0.068971	0.067348	0.070717	0.0485	0.44802	0.069299
32	0.047801	0.046232	0.049541	0.033623	0.62119	0.047659
64	0.03471	0.033128	0.036542	0.024689	0.91227	0.034625
128	0.024518	0.022976	0.026419	0.017241	1.2741	0.024655
256	0.018204	0.016636	0.02032	0.013627	2.0141	0.018101
512	0.013776	0.012163	0.016266	0.010716	3.1677	0.01226
1024	0.0137	0.011533	0.01784	0.0086021	5.0856	0.007991
2048	0.011399	0.0089726	0.01827	0.0046656	5.5166	0.0084002

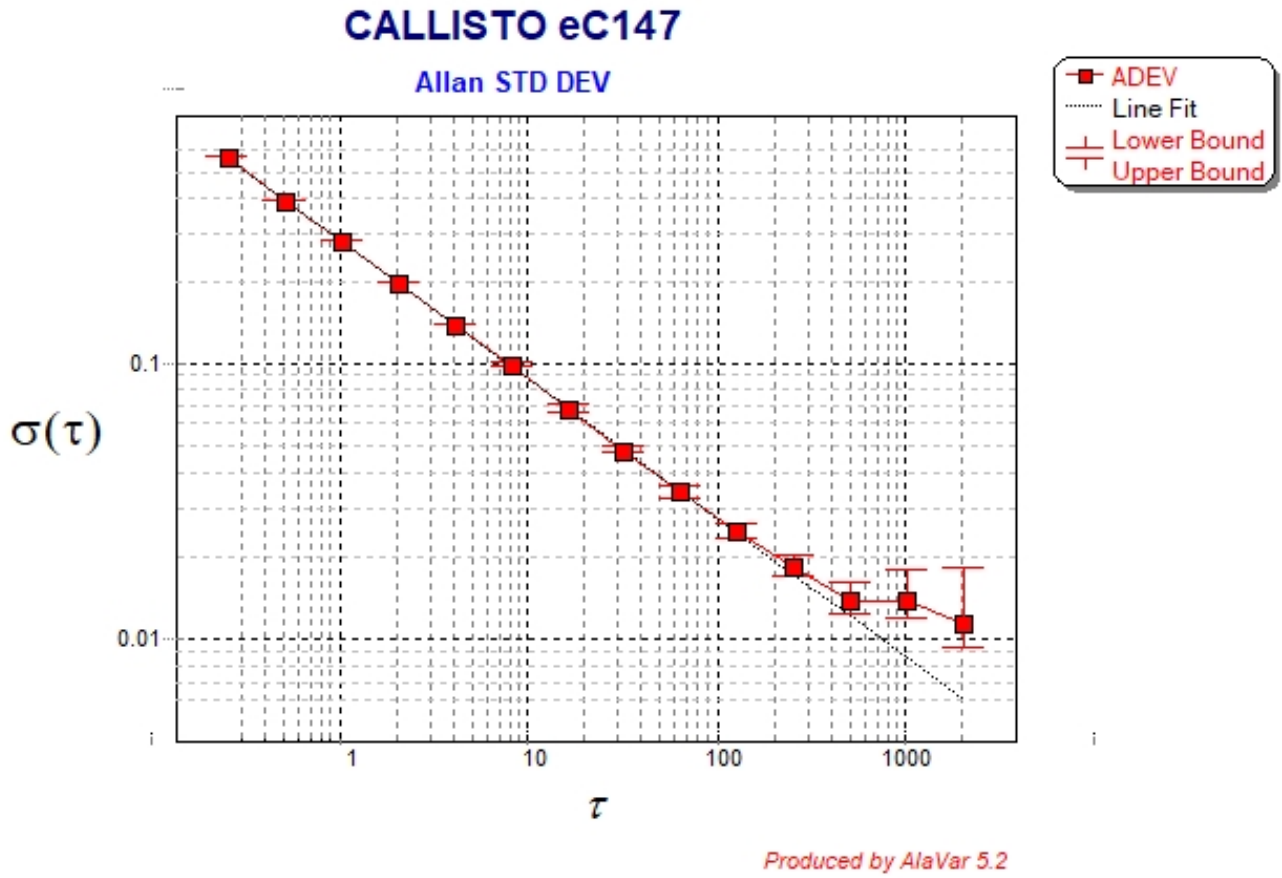


Figure 3 : Allan Standard Deviation