

AlaVar generated report

C:\Users\STEG\Documents\Projects\Callisto-e-Callisto\QualiData\TotalLightCurveeC137.prn

File 'C:\Users\STEG\Documents\Projects\Callisto\e-Callisto\QualiData\TotalLightCurveeC137.prn' created on 09.06.2021 06:47:08

Column # 1 was processed

Data length N = 81697 points.

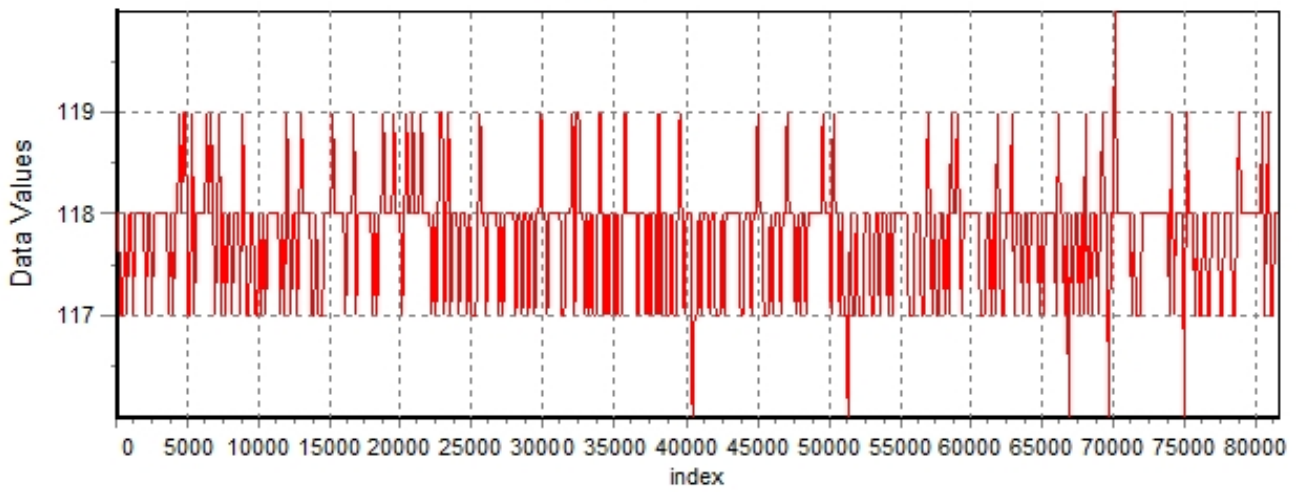
The mean Value of the processed data = 117.76

The Stanadrd Deviation of the processed data = 2.80905

The number of removed outliers is 45

AlaVar 5.2

Data Values

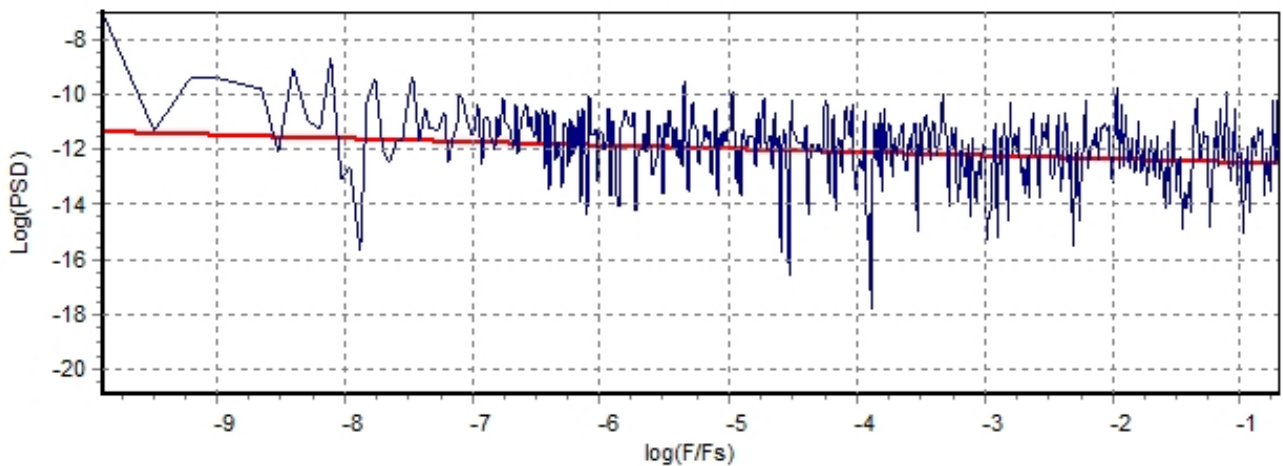


Produced by AlaVar 5.2

Figure 1 : Processed Data

AlaVar 5.2

PSD of Data



Produced by AlaVar 5.2

Figure 2 : Data PSD

The computation of the 3 ALLAN STD DEVS lasted 0.151000 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 =-0.45231
 The fit result is ADEV(tau=1) = Stability =0.293455

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	0.58994	0.58816	0.59174	0.58994	0.085151	0.58994
0.5	0.4176	0.41624	0.41897	0.33039	0.095375	0.41734
1	0.29578	0.29455	0.29703	0.2157	0.12453	0.29565
2	0.20976	0.20856	0.21098	0.15007	0.17329	0.20899
4	0.15013	0.14892	0.15136	0.10622	0.2453	0.15063
8	0.10555	0.10437	0.10678	0.07547	0.34858	0.10473
16	0.077507	0.076282	0.078792	0.055835	0.51579	0.076738
32	0.057587	0.056312	0.058952	0.042147	0.77867	0.056286
64	0.04564	0.044229	0.047194	0.034427	1.2721	0.043871
128	0.037867	0.036241	0.039733	0.029365	2.1701	0.035859
256	0.033382	0.031402	0.035792	0.025817	3.8158	0.03229
512	0.027601	0.025354	0.030574	0.021512	6.359	0.026151
1024	0.02609	0.023199	0.030425	0.022243	13.15	0.022087
2048	0.033213	0.028239	0.042277	0.030136	35.633	0.02056
4096	0.045714	0.036497	0.069436	0.036616	86.59	0.030186

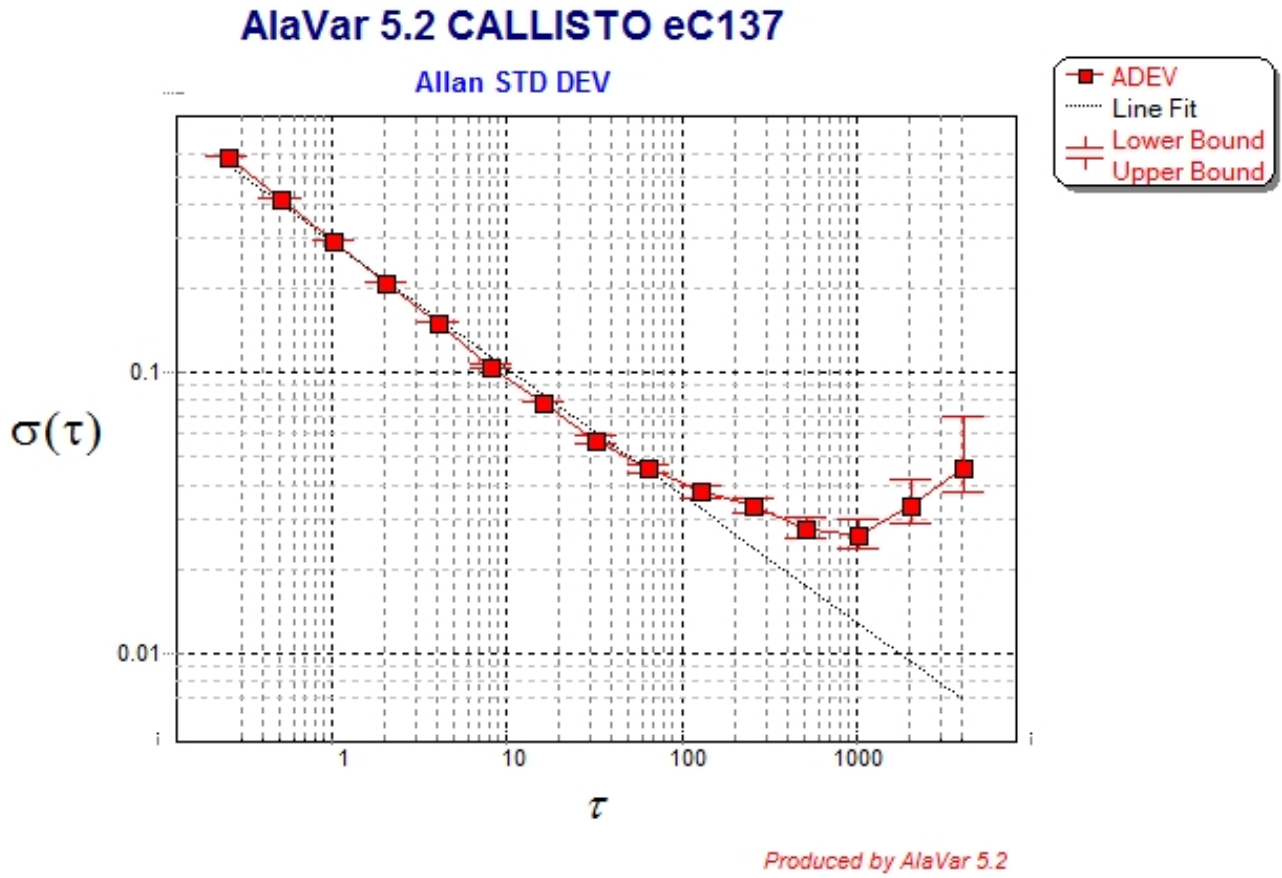


Figure 3 : Allan Standard Deviation