

AlaVar generated report

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

File 'C:\CALLISTO-01\FITfiles\TotalLightcurve.DAT' created on 28.06.2022 16:31:12

Column # 1 was processed

Data length N = 18141 points.

The mean Value of the processed data = 109.35

The Stanardr Deviation of the processed data = 2.75909

The number of removed outliers is 11

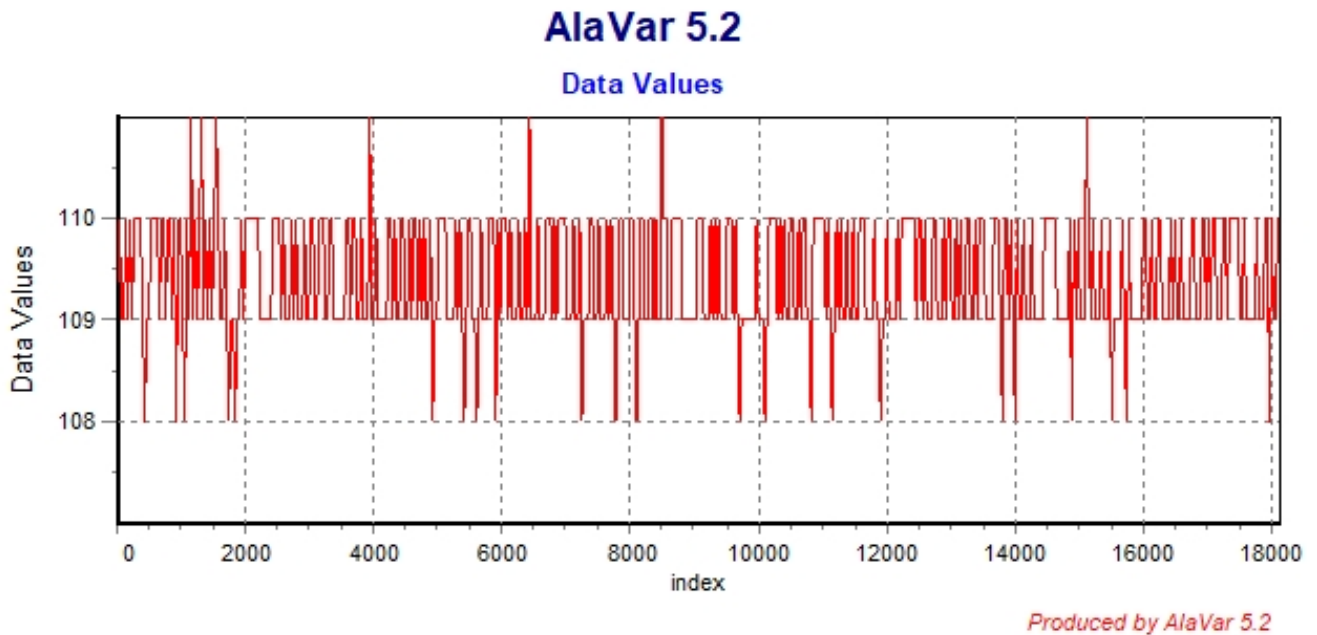


Figure 1 : Processed Data

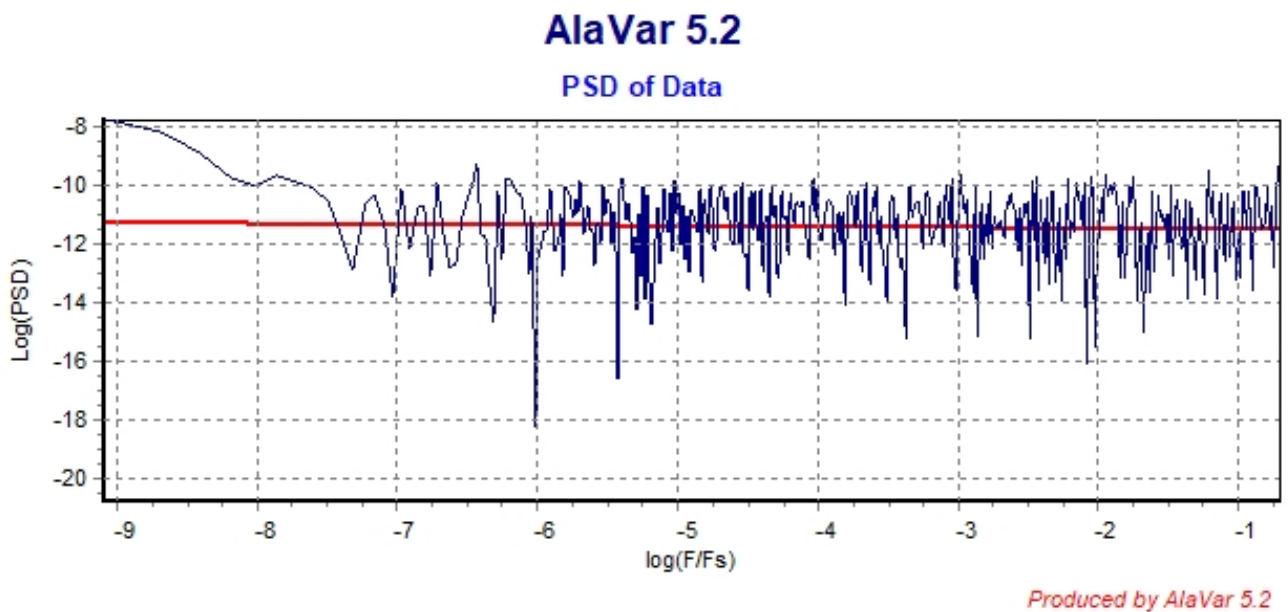


Figure 2 : Data PSD

The computation of the 3 ALLAN STD DEVs lasted 0.203000 seconds
 The error bars were computed for a : White FM
 The computation of the Error bars lasted 0.001 seconds

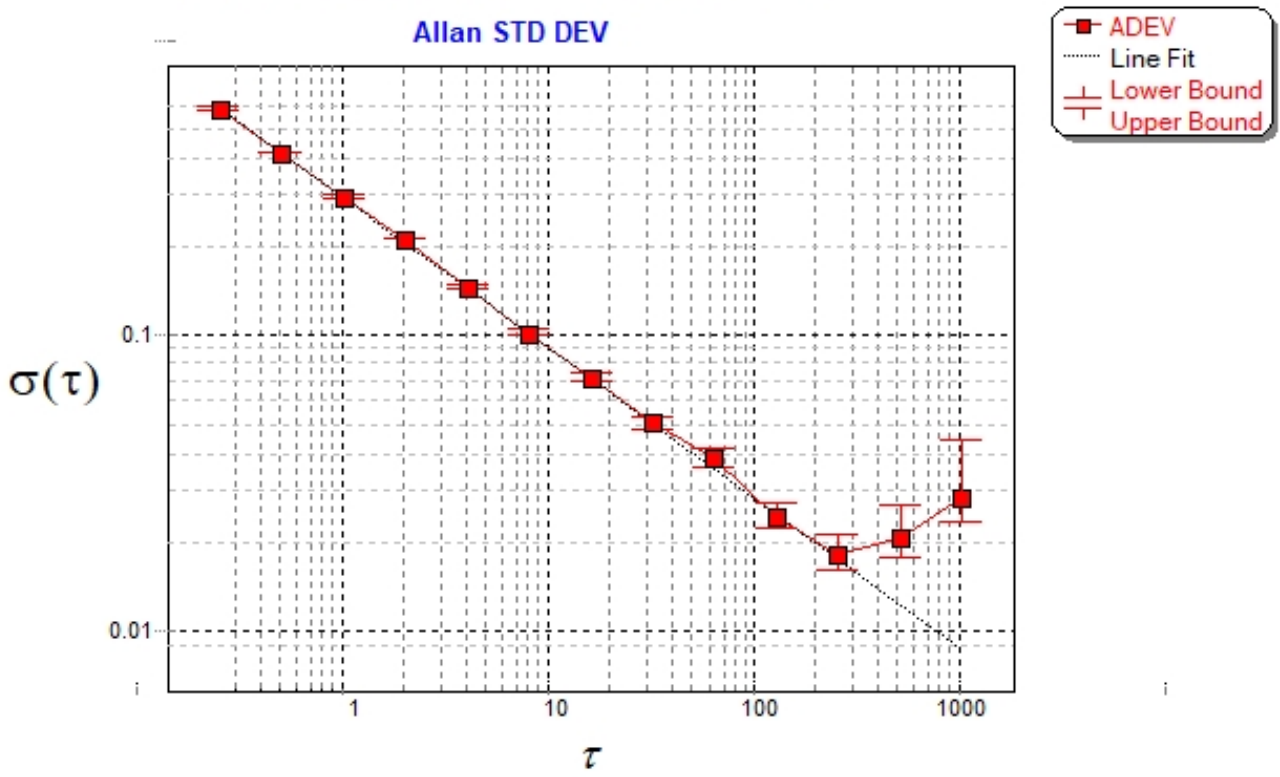
ADEV(tau) was fitted to a line :
 The Solpe of the line is =-0.509615
 The fit result is ADEV(tau=1) = Stability =0.297136

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	0.59728	0.59348	0.60117	0.59728	0.086211	0.59855
0.5	0.42006	0.41717	0.42301	0.33237	0.095946	0.41952
1	0.29898	0.29635	0.30168	0.2189	0.12638	0.29837
2	0.2127	0.21014	0.21535	0.1511	0.17448	0.21369
4	0.14745	0.14497	0.15005	0.10374	0.23958	0.14812
8	0.10213	0.099734	0.10471	0.071483	0.33017	0.10241
16	0.071802	0.069454	0.074406	0.050522	0.46671	0.071737
32	0.051415	0.04908	0.054118	0.036994	0.68347	0.050679
64	0.038733	0.036306	0.041723	0.027554	1.0181	0.039988
128	0.024408	0.022313	0.027232	0.017325	1.2803	0.02407
256	0.018302	0.016166	0.021594	0.012445	1.8393	0.014521
512	0.020749	0.017479	0.02698	0.017893	5.2894	0.009967
1024	0.028178	0.022199	0.044999	0.017402	10.288	0.023271

CALLISTO eC157 2022-06-28/cm

Allan STD DEV



Produced by AlaVar 5.2

Figure 3 : Allan Standard Deviation