

AlaVar generated report

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

File 'C:\CALLISTO-01\FITfiles\TotalLightcurve.DAT' created on 13.07.2022 13:17:56

Column # 1 was processed

Data length N = 7200 points.

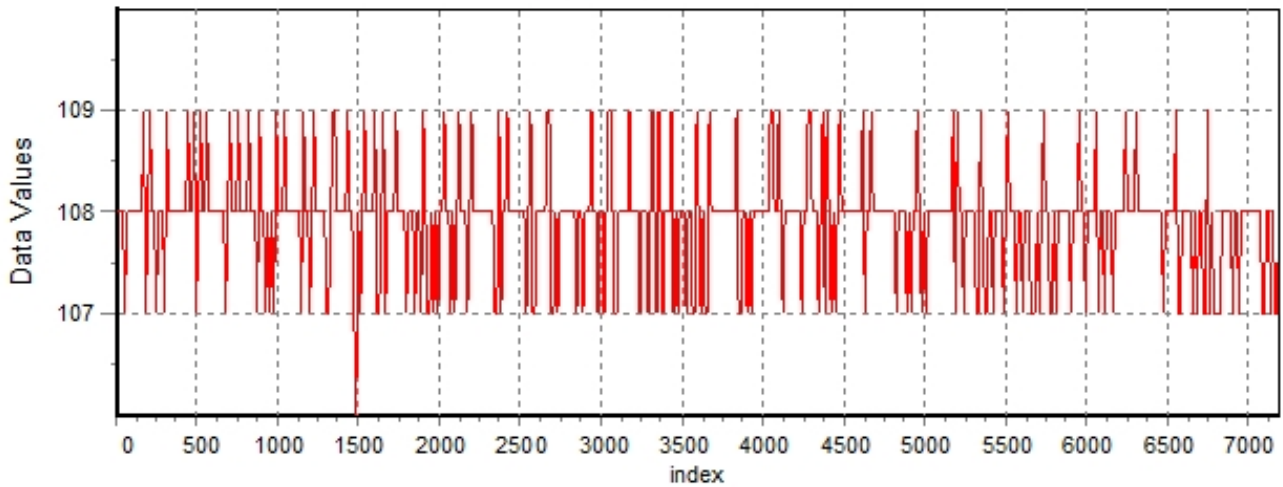
The mean Value of the processed data = 107.84

The Stanardr Deviation of the processed data = 2.60273

The number of removed outliers is 4

AlaVar 5.2

Data Values

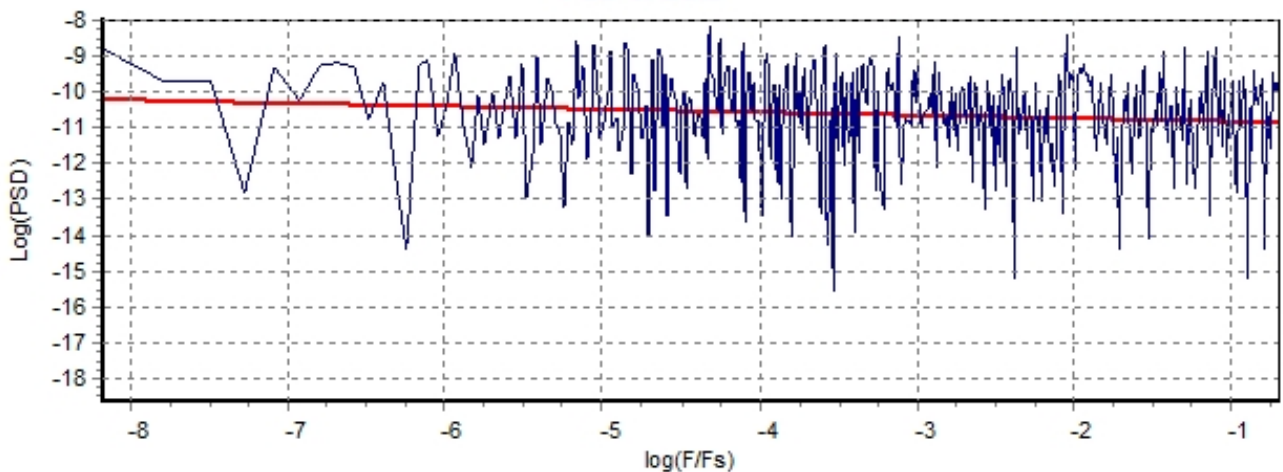


Produced by AlaVar 5.2

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 0.078000 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 Slope of the line is =-0.474782
 The fit result is ADEV(tau=1) = Stability =0.281629

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	0.55032	0.54478	0.55603	0.55032	0.079431	0.55004
0.5	0.39006	0.38582	0.39443	0.30823	0.088978	0.39018
1	0.27668	0.27285	0.28068	0.20317	0.1173	0.27475
2	0.20316	0.19932	0.20723	0.14744	0.17025	0.20244
4	0.14529	0.14148	0.14944	0.10434	0.24097	0.1438
8	0.10803	0.10408	0.11246	0.078014	0.36033	0.10824
16	0.076042	0.072195	0.080578	0.053583	0.49498	0.077264
32	0.051576	0.047984	0.056118	0.03717	0.68672	0.050683
64	0.039711	0.035931	0.045004	0.026913	0.99445	0.038658
128	0.02844	0.024769	0.034442	0.020519	1.5164	0.030832
256	0.018502	0.015283	0.025289	0.012968	1.9167	0.014545
512	0.016597	0.012709	0.030262	0.0049417	1.4608	0.019897

CALLISTO eC159, 2022-07-13

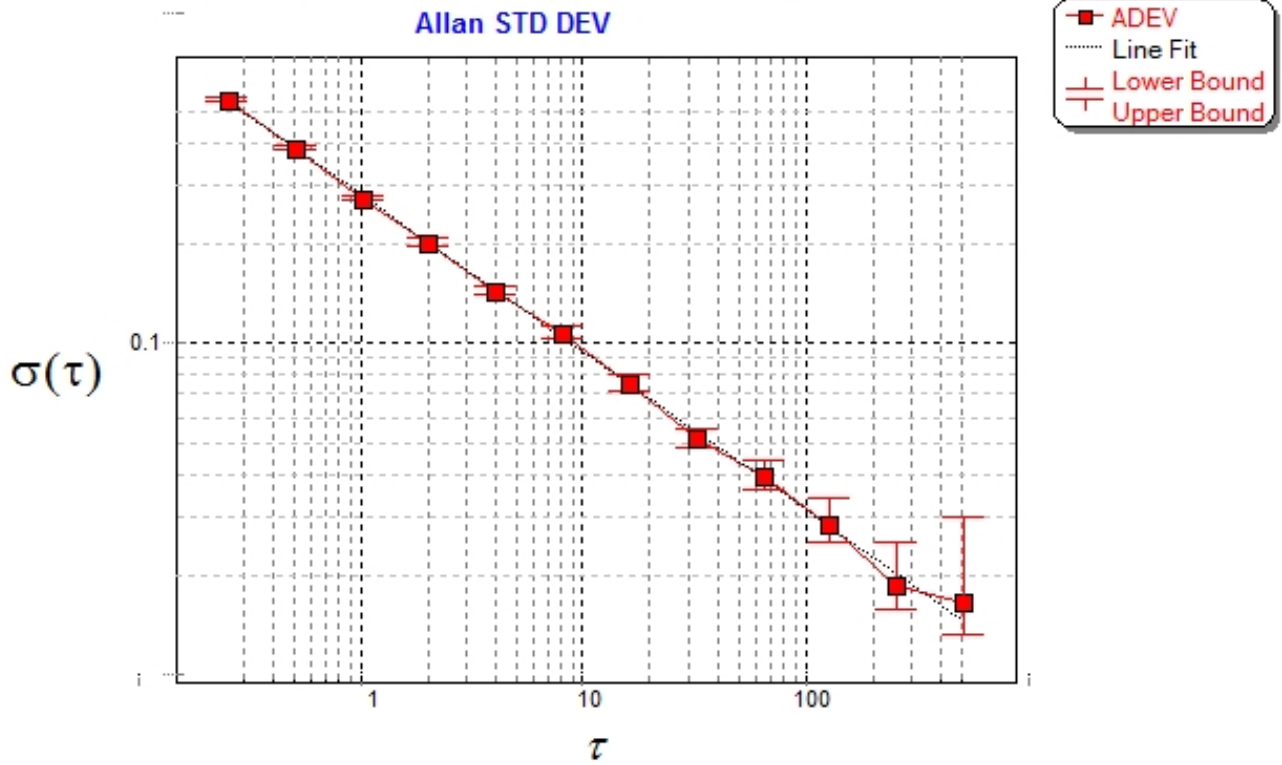


Figure 3 : Allan Standard Deviation