

AlaVar generated report

C:\CALLISTO-01\FITfiles\TotalLightCurve100.prn

File 'C:\CALLISTO-01\FITfiles\TotalLightCurve100.prn' created on 05.10.2024 06:36:08

Column # 1 was processed

Data length N = 68400 points.

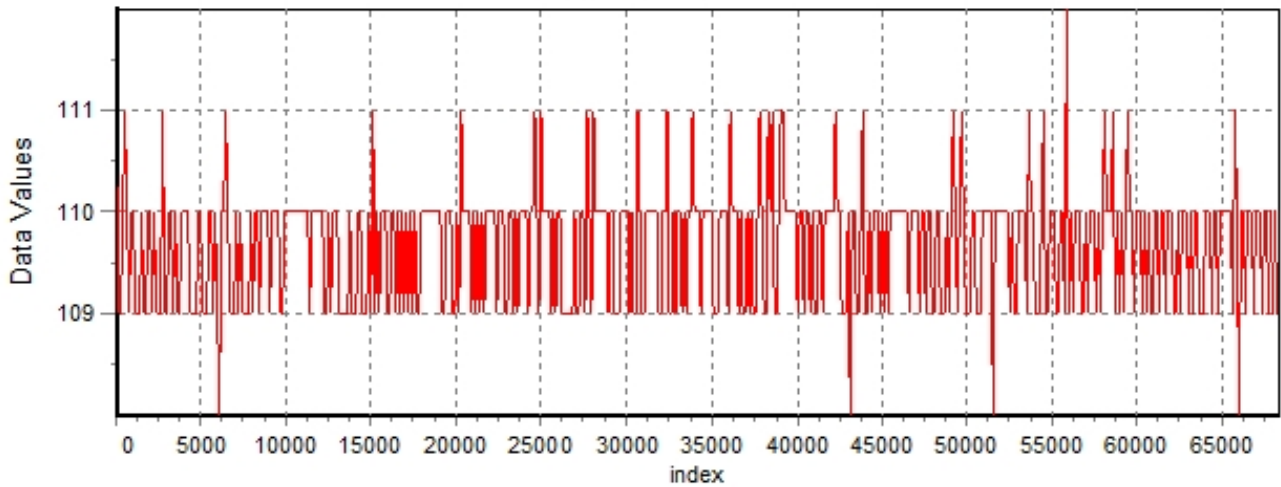
The mean Value of the processed data = 109.608

The Stanadrd Deviation of the processed data = 2.63223

The number of removed outliers is 38

AlaVar 5.2

Data Values

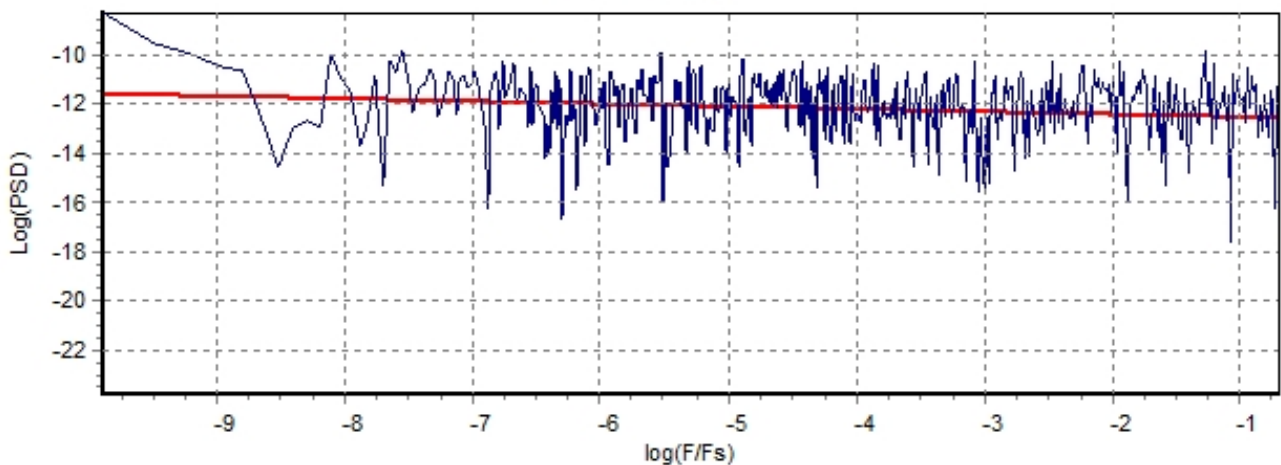


Produced by AlaVar 5.2

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 0.239000 seconds
 The error bars were computed for a : White FM
 The computation of the Error bars lasted 0.001 seconds

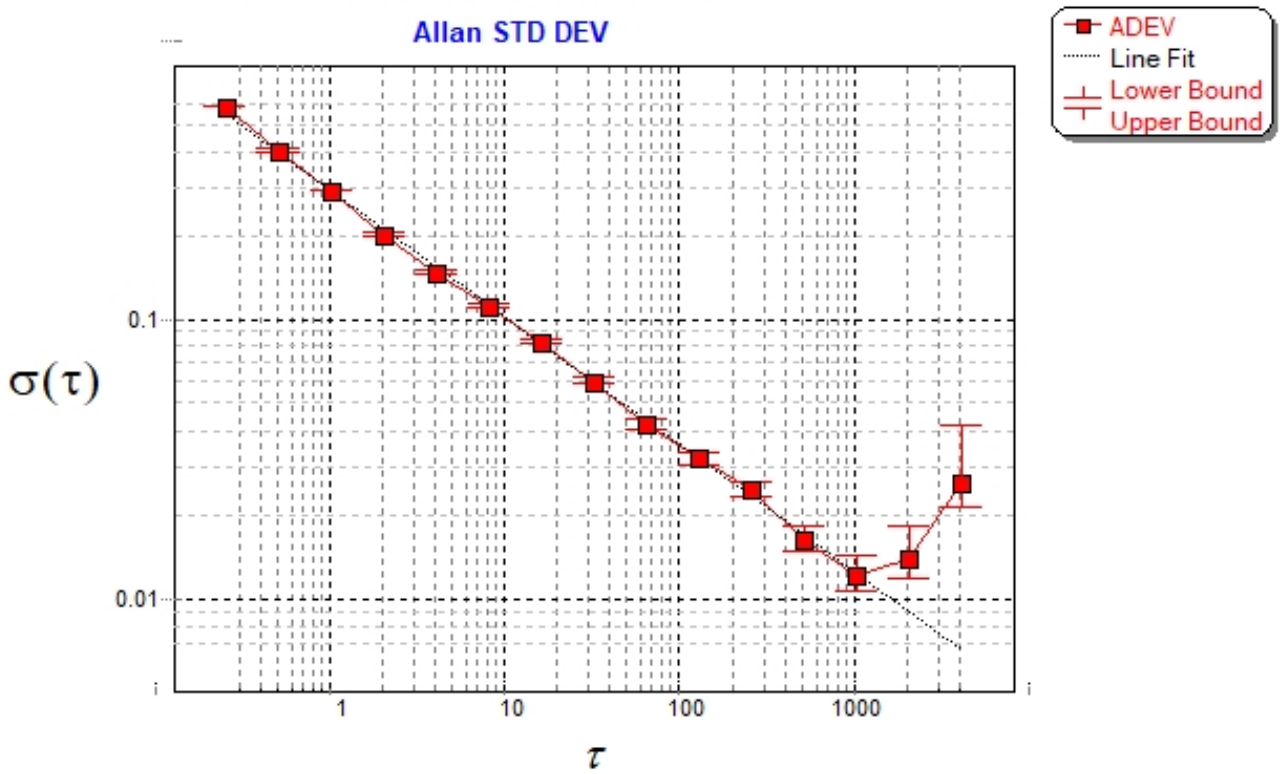
ADEV(tau) was fitted to a line :
 The Solpe of the line is =-0.455139
 The fit result is ADEV(tau=1) = Stability =0.29178

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	0.58036	0.57845	0.5823	0.58036	0.083768	0.5815
0.5	0.40756	0.40611	0.40903	0.32216	0.092998	0.40748
1	0.2884	0.28709	0.28973	0.21007	0.12128	0.28853
2	0.20354	0.20227	0.20484	0.14545	0.16795	0.20238
4	0.14877	0.14747	0.1501	0.10768	0.24868	0.14659
8	0.1125	0.11112	0.11394	0.08213	0.37934	0.11151
16	0.083116	0.081684	0.084626	0.060628	0.56006	0.082545
32	0.060023	0.058575	0.061584	0.042467	0.78459	0.060262
64	0.042739	0.041302	0.044338	0.031096	1.149	0.042232
128	0.032136	0.030636	0.03388	0.023624	1.7459	0.031594
256	0.024674	0.023085	0.026643	0.017879	2.6425	0.025036
512	0.016462	0.015011	0.018436	0.011197	3.3098	0.016793
1024	0.012163	0.010706	0.014439	0.0097619	5.7713	0.010541
2048	0.013999	0.011736	0.018415	0.013281	15.703	0.0071822
4096	0.025862	0.020234	0.042508	0.02651	62.693	0.009919

Callisto eC185 05.10.2024

Allan STD DEV



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Figure 3 : Allan Standard Deviation