

AlaVar generated report

C:\CALLISTO-01\FITfiles\TotalLightCurve099.prn

File 'C:\CALLISTO-01\FITfiles\TotalLightCurve099.prn' created on 23.09.2021 18:44:08

Column # 1 was processed

Data length N = 54000 points.

The mean Value of the processed data = 101.837

The Stanardd Deviation of the processed data = 1.7906

The number of removed outliers is 15

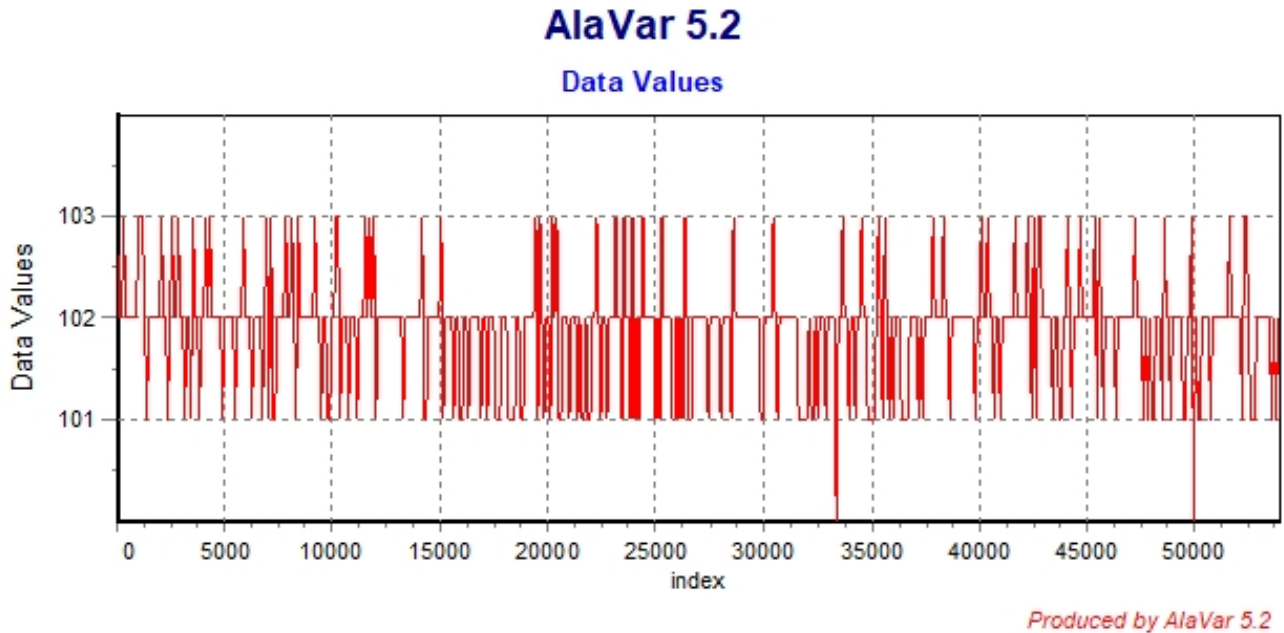


Figure 1 : Processed Data

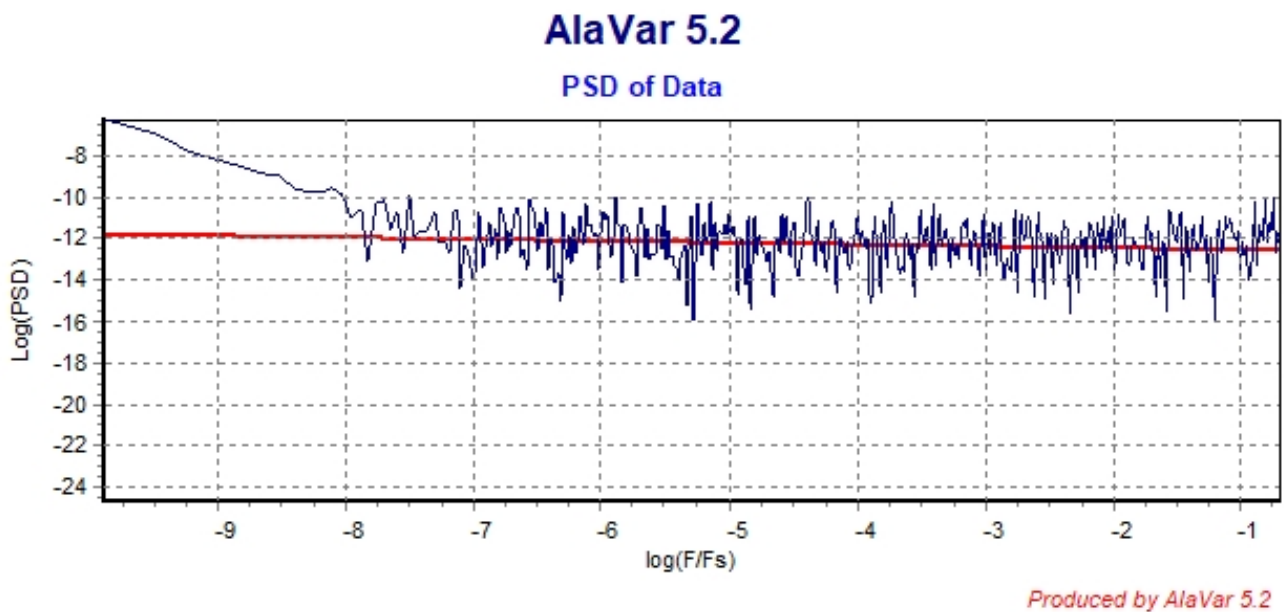


Figure 2 : Data PSD

The computation of the 3 ALLAN STD DEVS lasted 0.233000 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 =-0.492947
 The fit result is ADEV(tau=1) = Stability =0.281313

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	0.56279	0.5607	0.5649	0.56279	0.081232	0.56267
0.5	0.39814	0.39655	0.39975	0.31452	0.090795	0.39867
1	0.28006	0.27863	0.28152	0.20398	0.11777	0.28001
2	0.19827	0.19688	0.1997	0.1413	0.16316	0.19792
4	0.14166	0.14027	0.1431	0.10064	0.23242	0.14198
8	0.099392	0.098022	0.10082	0.07054	0.32581	0.099351
16	0.071256	0.069878	0.072718	0.050925	0.47043	0.070901
32	0.051823	0.050423	0.053347	0.037265	0.68847	0.051662
64	0.036375	0.035006	0.037918	0.02541	0.93892	0.036645
128	0.024206	0.022944	0.025701	0.016803	1.2418	0.023407
256	0.020171	0.018725	0.022015	0.015781	2.3324	0.016682
512	0.022658	0.020439	0.025803	0.017294	5.1122	0.011515
1024	0.028221	0.024475	0.034458	0.021297	12.591	0.010772
2048	0.035089	0.028812	0.048751	0.020585	24.341	0.018758
4096	0.035491	0.026945	0.067977	0.022307	52.753	0.038531

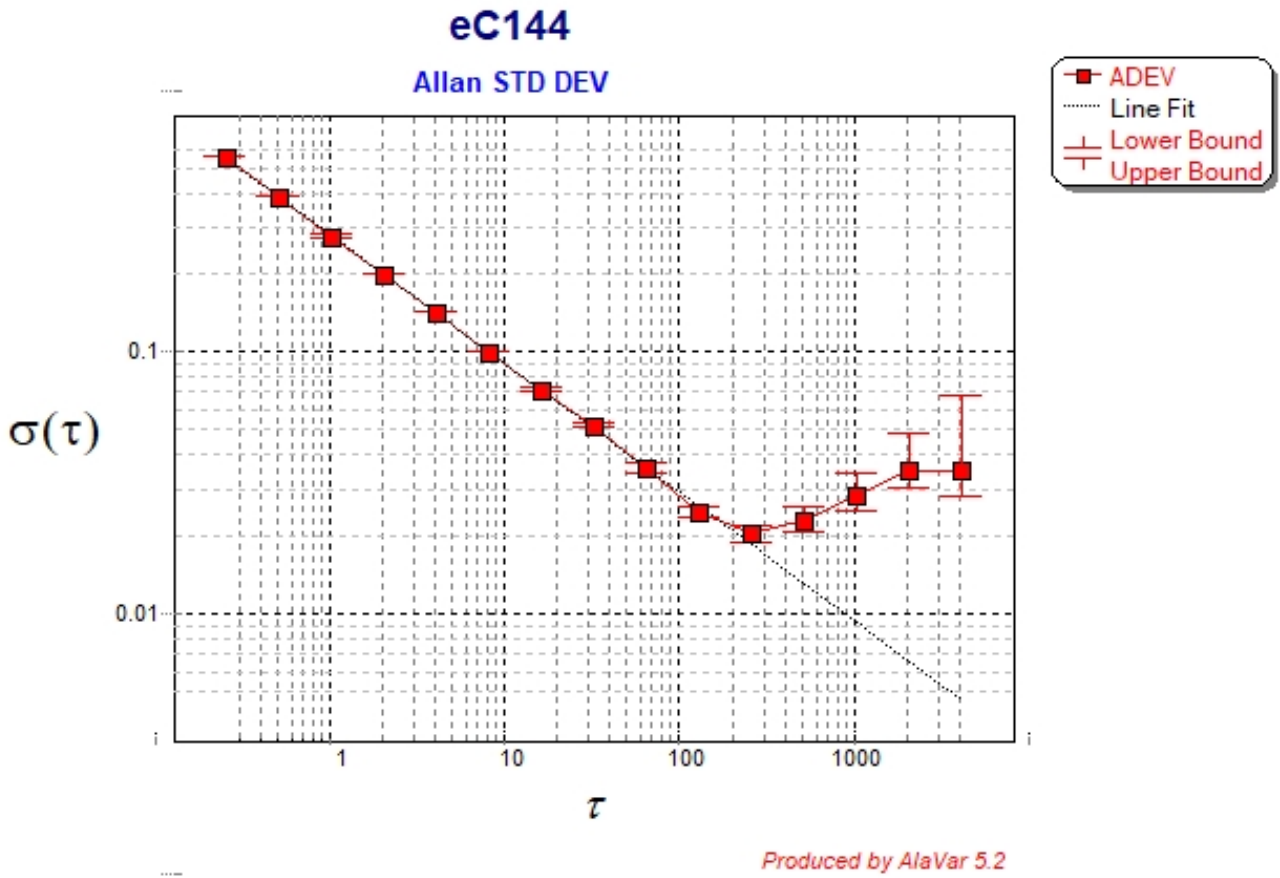


Figure 3 : Allan Standard Deviation