

AlaVar generated report

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

File 'C:\CALLISTO-01\FITfiles\TotalLightcurve.DAT' created on 29.07.2022 18:12:00

Column # 1 was processed

Data length N = 5687 points.

The mean Value of the processed data = 98.6601

The Stanardr Deviation of the processed data = 2.67799

The number of removed outliers is 4

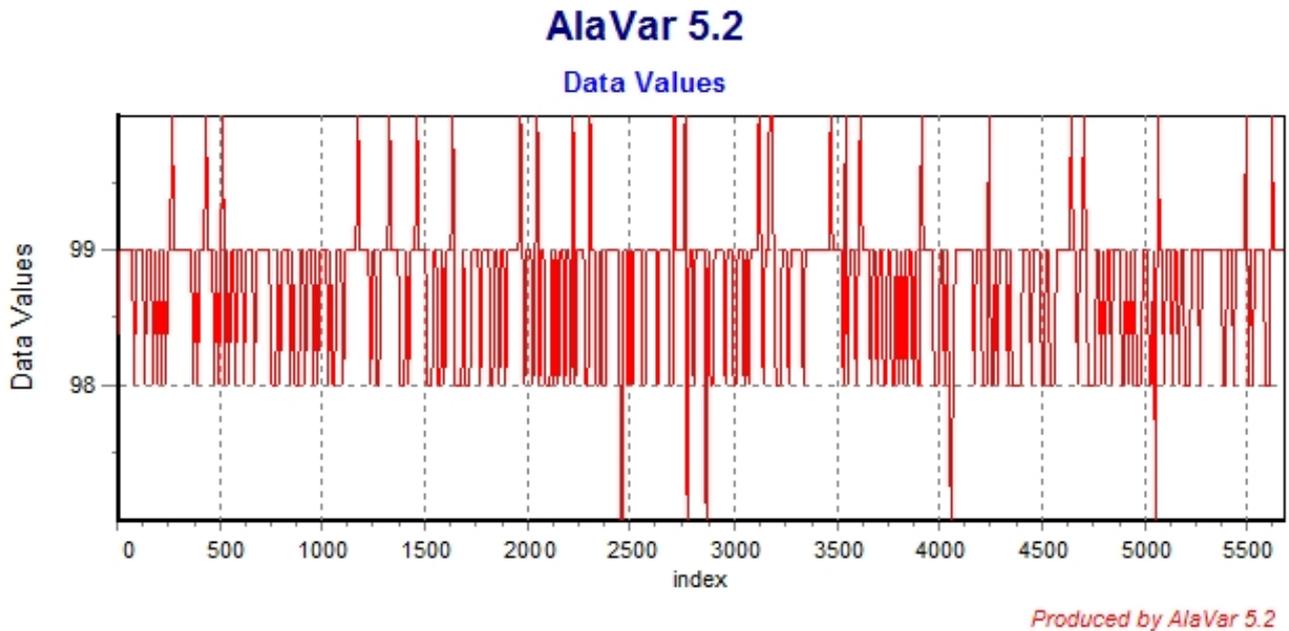


Figure 1 : Processed Data

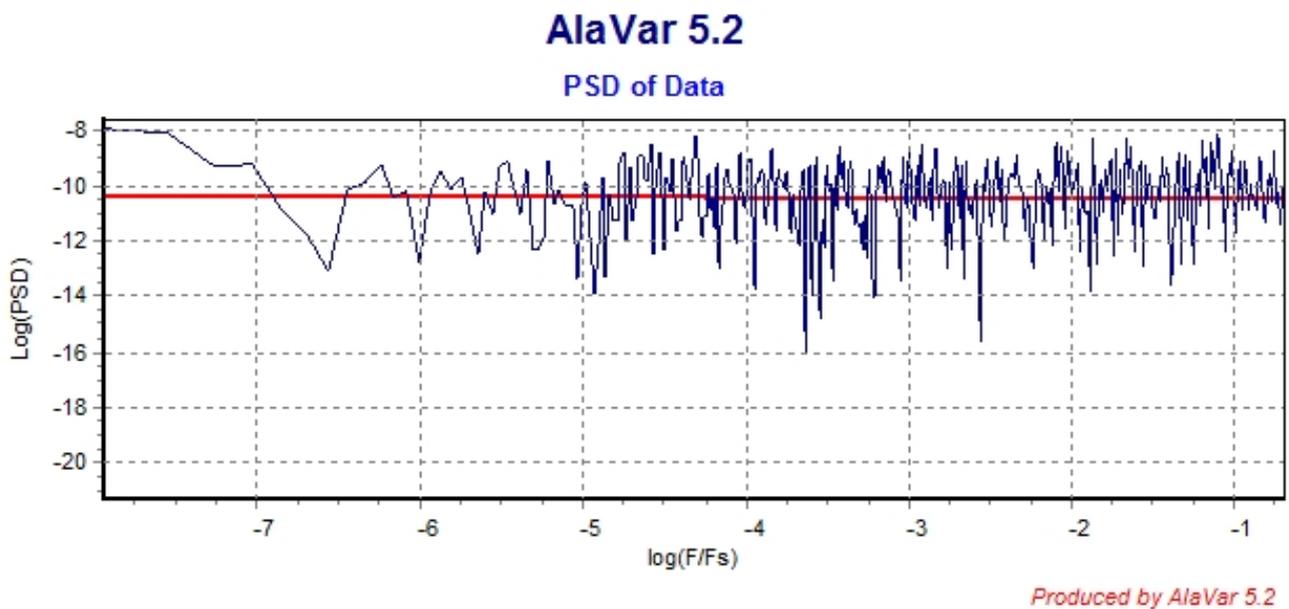


Figure 2 : Data PSD

The computation of the 3 ALLAN STD DEVs lasted 0.014000 seconds
 The error bars were computed for a : White FM
 The computation of the Error bars lasted 0.001 seconds

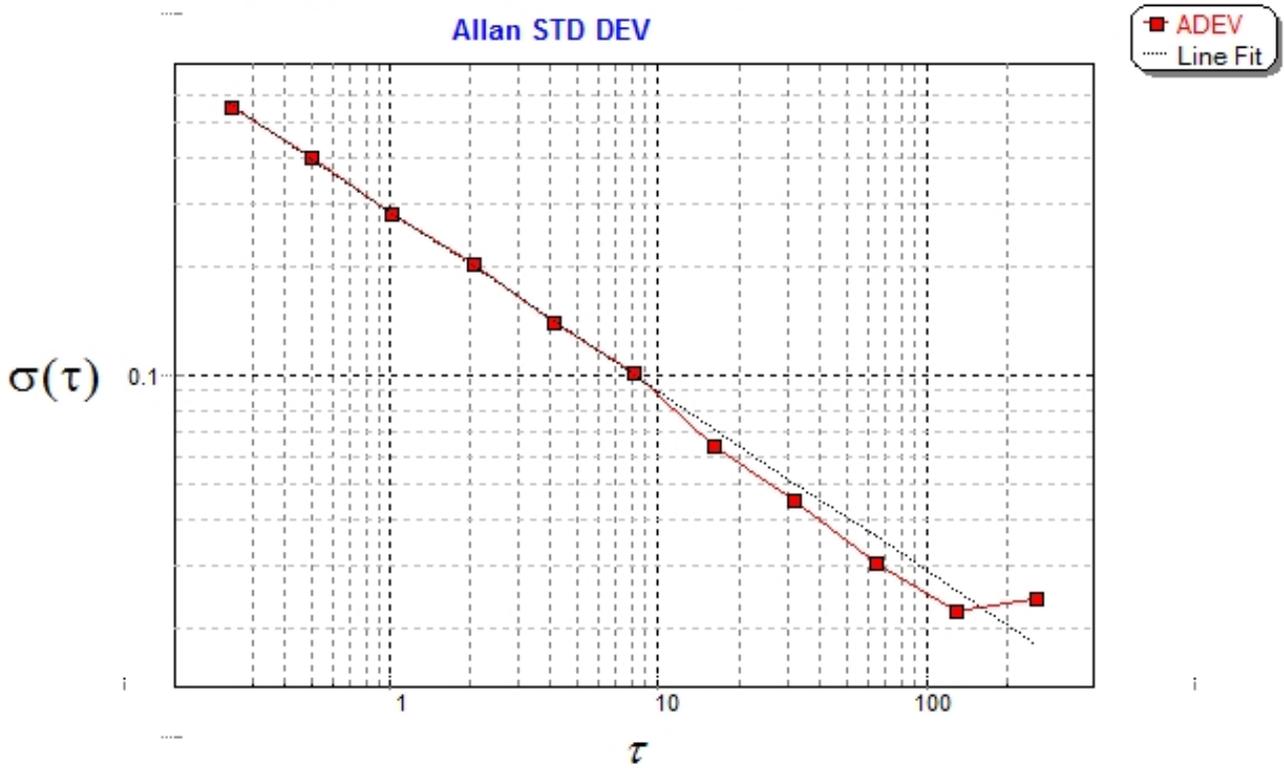
ADEV(tau) was fitted to a line :
 The Slope of the line is =-0.496937
 The fit result is ADEV(tau=1) = Stability =0.28361

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	0.56057	0.55423	0.56713	0.56057	0.080911	0.5585
0.5	0.40224	0.39733	0.40733	0.319	0.092088	0.40171
1	0.28396	0.27955	0.2886	0.20712	0.11958	0.2826
2	0.20354	0.19922	0.20815	0.14366	0.16588	0.20539
4	0.14079	0.13665	0.14534	0.10175	0.23499	0.13908
8	0.10257	0.098384	0.10735	0.071218	0.32894	0.10473
16	0.063946	0.060335	0.068292	0.042837	0.39571	0.063758
32	0.045056	0.041562	0.04961	0.029985	0.55399	0.04542
64	0.030323	0.027118	0.035018	0.021285	0.78649	0.031118
128	0.022399	0.019197	0.028023	0.016234	1.1997	0.016075
256	0.024111	0.019469	0.035243	0.016408	2.4251	0.019291

CALLISTO eC164, 2022-07-29

Allan STD DEV



Produced by AlaVar 5.2

Figure 3 : Allan Standard Deviation