

AlaVar generated report

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

File 'C:\CALLISTO-01\FITfiles\TotalLightcurve.DAT' created on 03.11.2024 15:52:36

Column # 1 was processed

Data length N = 5400 points.

The mean Value of the processed data = 120.257

The Stanardr Deviation of the processed data = 2.38358

The number of removed outliers is 2

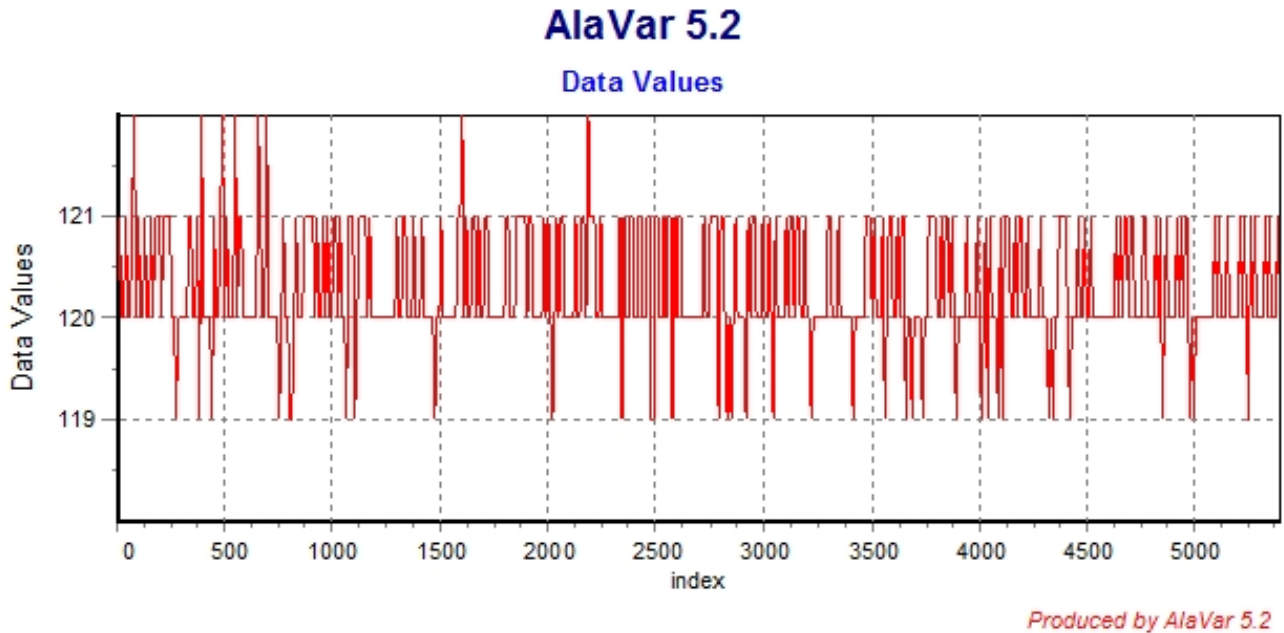


Figure 1 : Processed Data

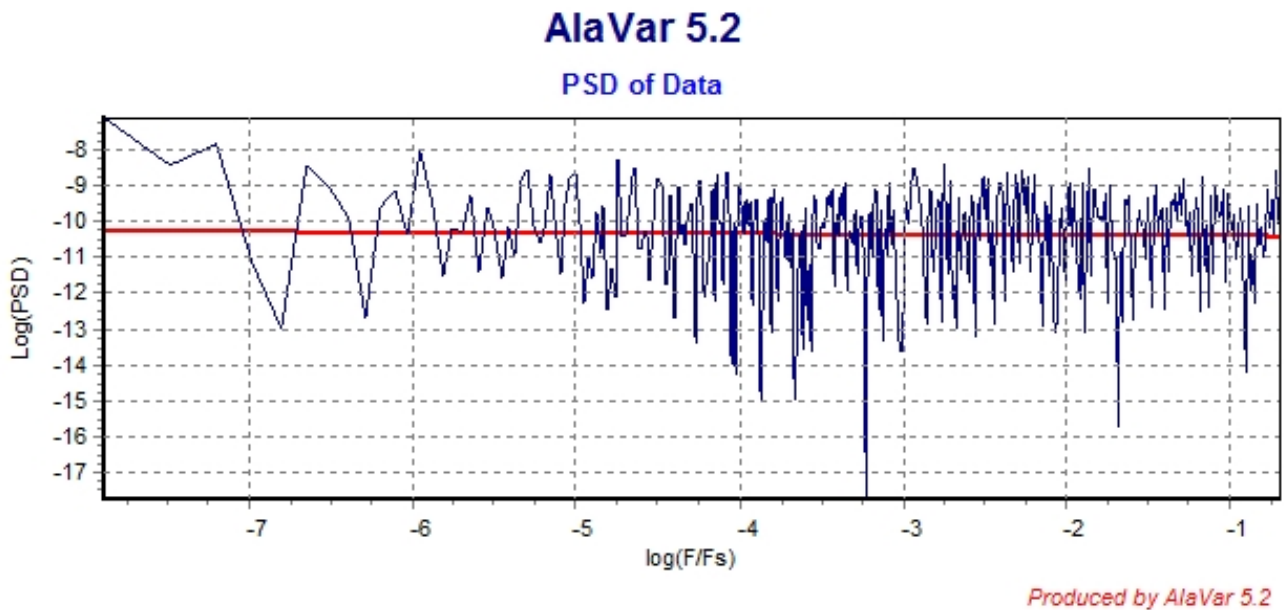


Figure 2 : Data PSD

The computation of the 3 ALLAN STD DEVs lasted 0.016000 seconds
 The error bars were computed for a : White FM
 The computation of the Error bars lasted 0.001 seconds

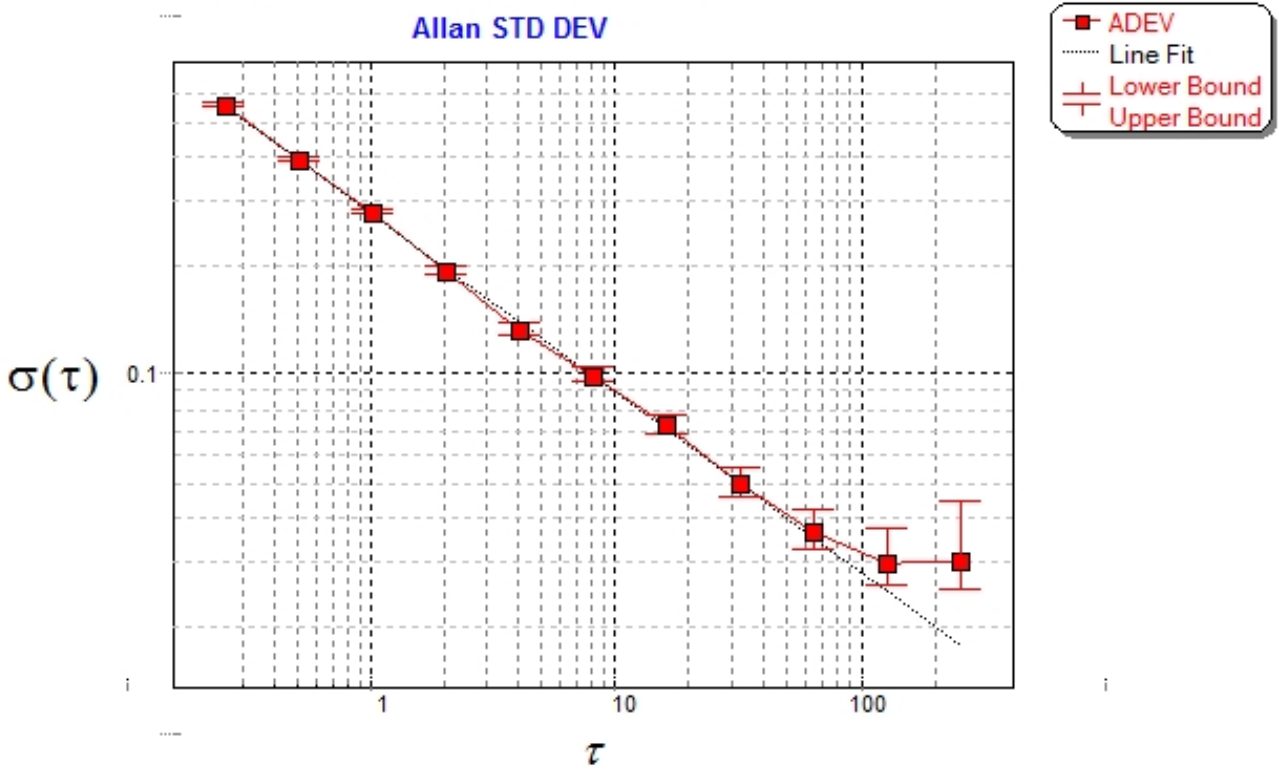
ADEV(tau) was fitted to a line :
 The Solpe of the line is =-0.498671
 The fit result is ADEV(tau=1) = Stability =0.280939

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	0.56609	0.55953	0.57289	0.56609	0.081708	0.56587
0.5	0.40042	0.39541	0.40562	0.31609	0.091248	0.40042
1	0.28461	0.28007	0.28938	0.20788	0.12002	0.28592
2	0.19501	0.19077	0.19955	0.13681	0.15798	0.19578
4	0.13443	0.13038	0.13889	0.094196	0.21754	0.13308
8	0.099753	0.095578	0.10453	0.072002	0.33256	0.098961
16	0.07262	0.068421	0.077701	0.051838	0.47886	0.073302
32	0.050042	0.04607	0.055256	0.036088	0.66673	0.049668
64	0.036726	0.032756	0.042607	0.02542	0.93929	0.036213
128	0.029988	0.025604	0.03782	0.024399	1.8031	0.025239
256	0.030306	0.02434	0.045084	0.020532	3.0346	0.019099

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Allan STD DEV



Produced by AlaVar 5.2

Figure 3 : Allan Standard Deviation