

# AlaVar generated report

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

File 'C:\CALLISTO-01\FITfiles\TotalLightcurve.DAT' created on 18.11.2021 20:14:12

Column # 1 was processed

Data length N = 16200 points.

The mean Value of the processed data = 118.042

The Stanadrd Deviation of the processed data = 2.84938

The number of removed outliers is 9

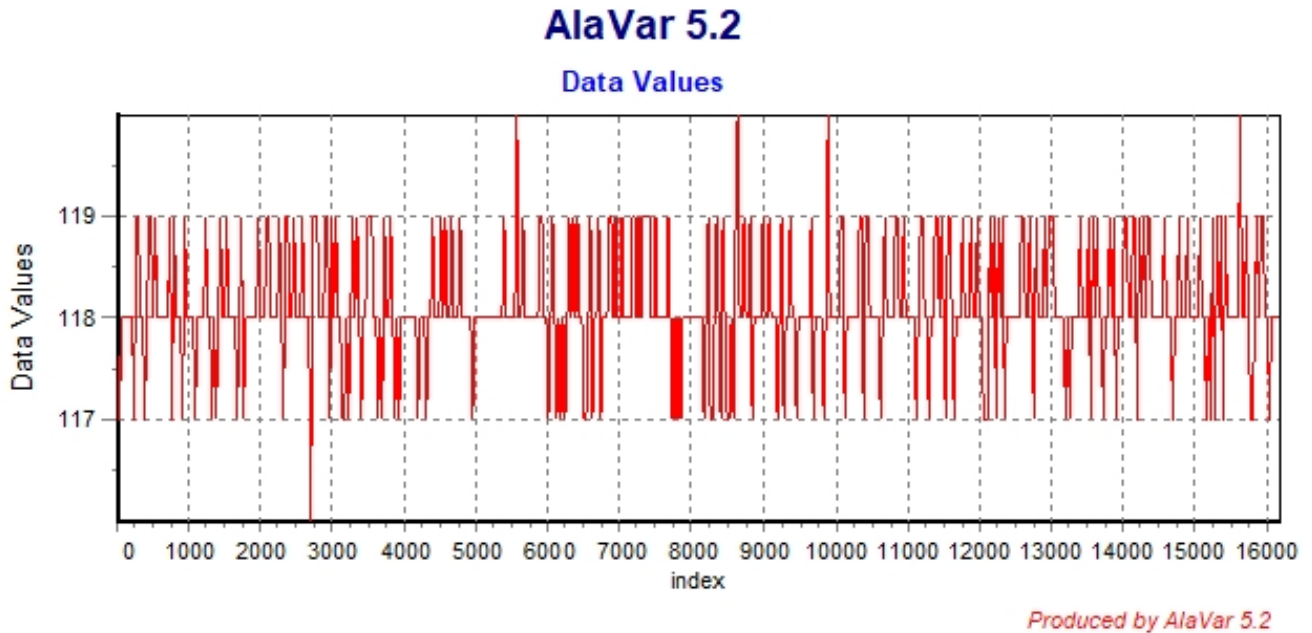


Figure 1 : Processed Data

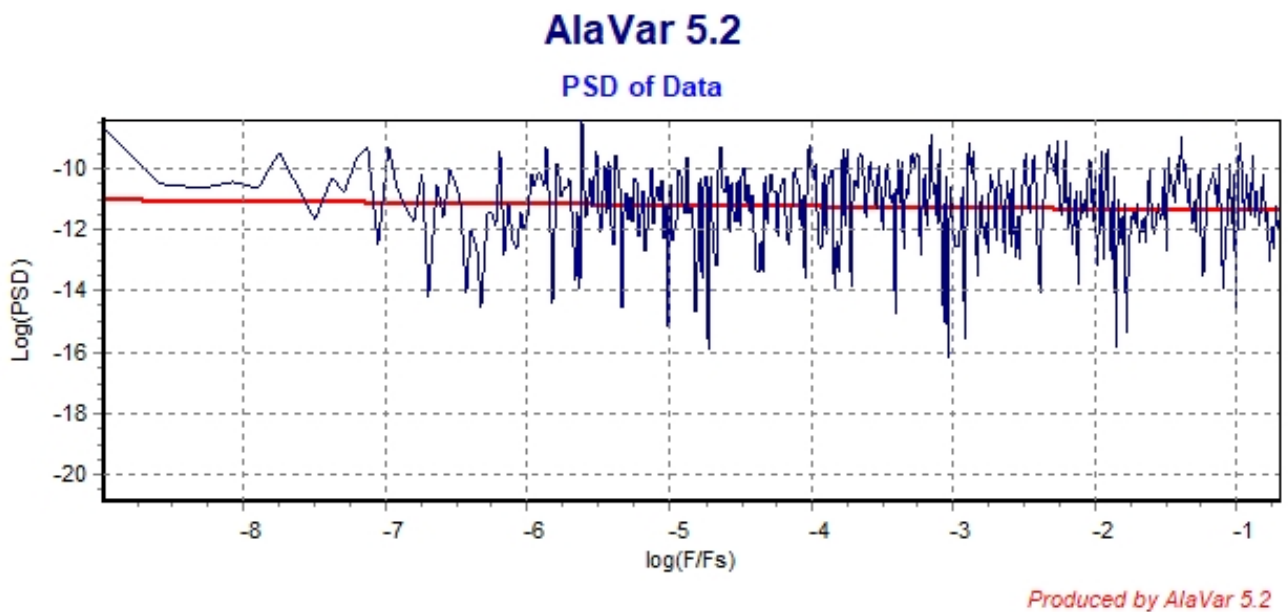


Figure 2 : Data PSD

The computation of the 3 ALLAN STD DEVs lasted 0.208000 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 Solpe of the line is =-0.491882  
 The fit result is ADEV(tau=1) = Stability =0.305806

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	0.60755	0.60345	0.61173	0.60755	0.087692	0.6058
0.5	0.43437	0.43121	0.43761	0.34347	0.099152	0.43524
1	0.30462	0.30178	0.30753	0.22223	0.1283	0.30401
2	0.21865	0.21586	0.22154	0.15722	0.18154	0.21811
4	0.15513	0.15238	0.15804	0.10889	0.25146	0.15664
8	0.10505	0.10245	0.10786	0.074194	0.34269	0.10413
16	0.077196	0.074531	0.080168	0.055236	0.51024	0.075993
32	0.05782	0.055051	0.061052	0.040857	0.75484	0.05935
64	0.03802	0.035511	0.04115	0.02845	1.0512	0.035677
128	0.034274	0.031178	0.038522	0.025816	1.9078	0.034752
256	0.023954	0.021017	0.028608	0.016978	2.5094	0.02425
512	0.016843	0.014056	0.022407	0.0095709	2.8292	0.016327
1024	0.012653	0.0098347	0.021411	0.0094046	5.5601	0.010442

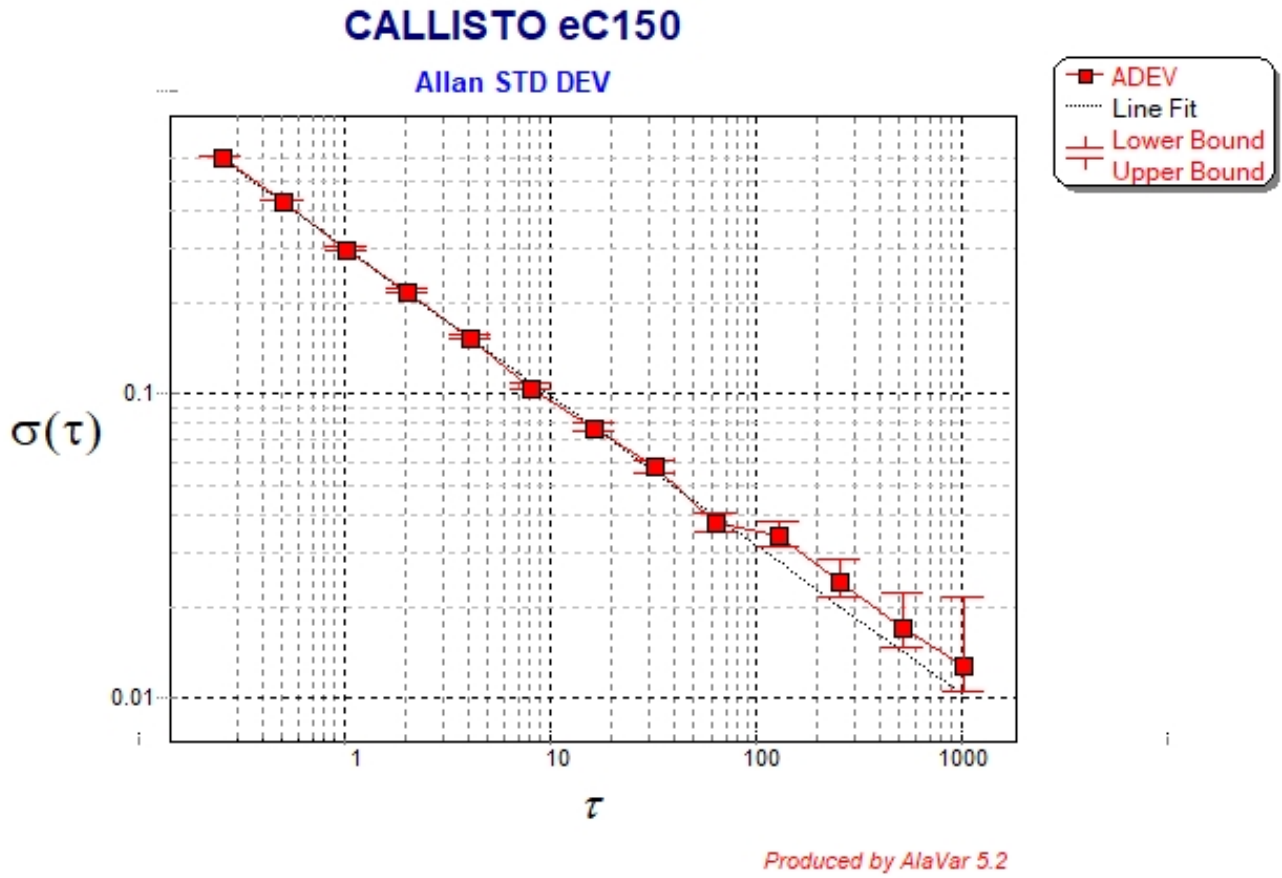


Figure 3 : Allan Standard Deviation