

AlaVar generated report

C:\CALLISTO-01\FITfiles\cC114\TotalLightCurve100.prn

File 'C:\CALLISTO-01\FITfiles\cC114\TotalLightCurve100.prn' created on 28.11.2018 19:07:32

Column # 1 was processed

Data length N = 88650 points.

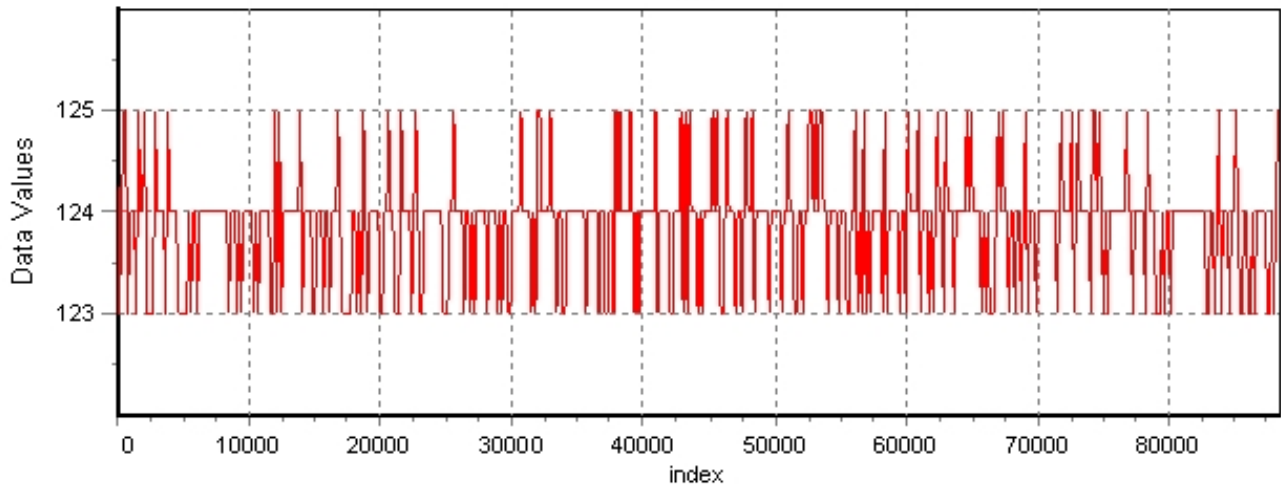
The mean Value of the processed data = 123.585

The Stanadrd Deviation of the processed data = 5.86076

The number of removed outliers is 197

AlaVar 5.2

Data Values

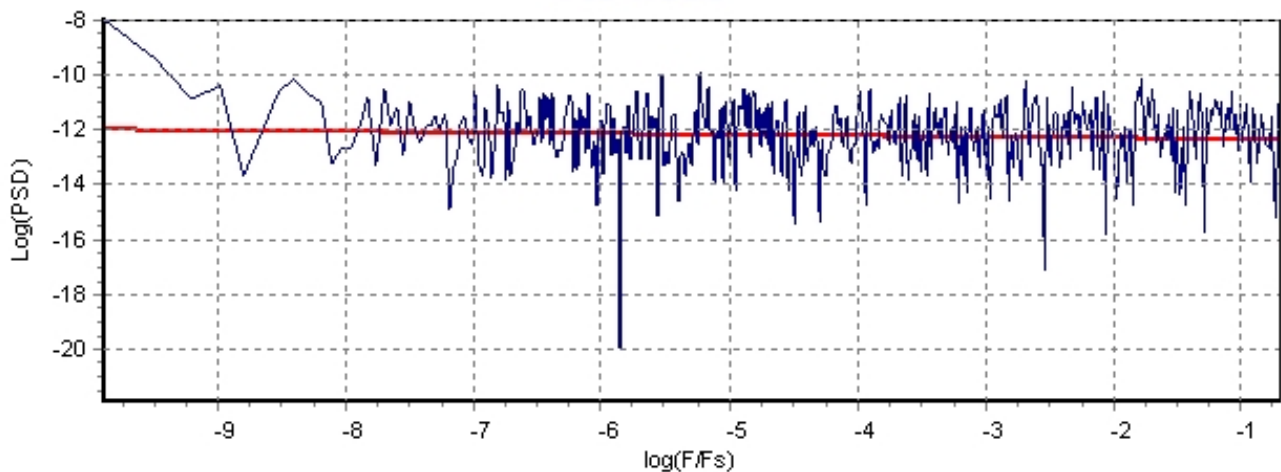


Produced by AlaVar 5.2

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 0.160000 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 Slope of the line is =-0.487931
 The fit result is ADEV(tau=1) = Stability =0.565875

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
1	0.57449	0.57283	0.57618	0.57449	0.33168	0.57456
2	0.40582	0.40455	0.4071	0.32085	0.37049	0.40511
4	0.28956	0.2884	0.29074	0.21171	0.48893	0.28976
8	0.20372	0.2026	0.20486	0.14493	0.66942	0.20382
16	0.14349	0.14239	0.14462	0.10145	0.93713	0.14338
32	0.10209	0.10098	0.10323	0.072692	1.343	0.10128
64	0.074686	0.073551	0.075875	0.053416	1.9737	0.074616
128	0.052609	0.051489	0.053806	0.037323	2.7582	0.052425
256	0.037999	0.036869	0.039239	0.02724	4.0261	0.037841
512	0.027391	0.026258	0.028684	0.01937	5.7258	0.027682
1024	0.0193	0.018196	0.020632	0.014157	8.3694	0.018699
2048	0.015194	0.014001	0.016755	0.011015	13.024	0.015488
4096	0.011122	0.0099322	0.012875	0.0088027	20.817	0.0083301
8192	0.013128	0.011229	0.016494	0.011369	53.772	0.0089827
16384	0.018088	0.014564	0.026687	0.013056	123.5	0.010632

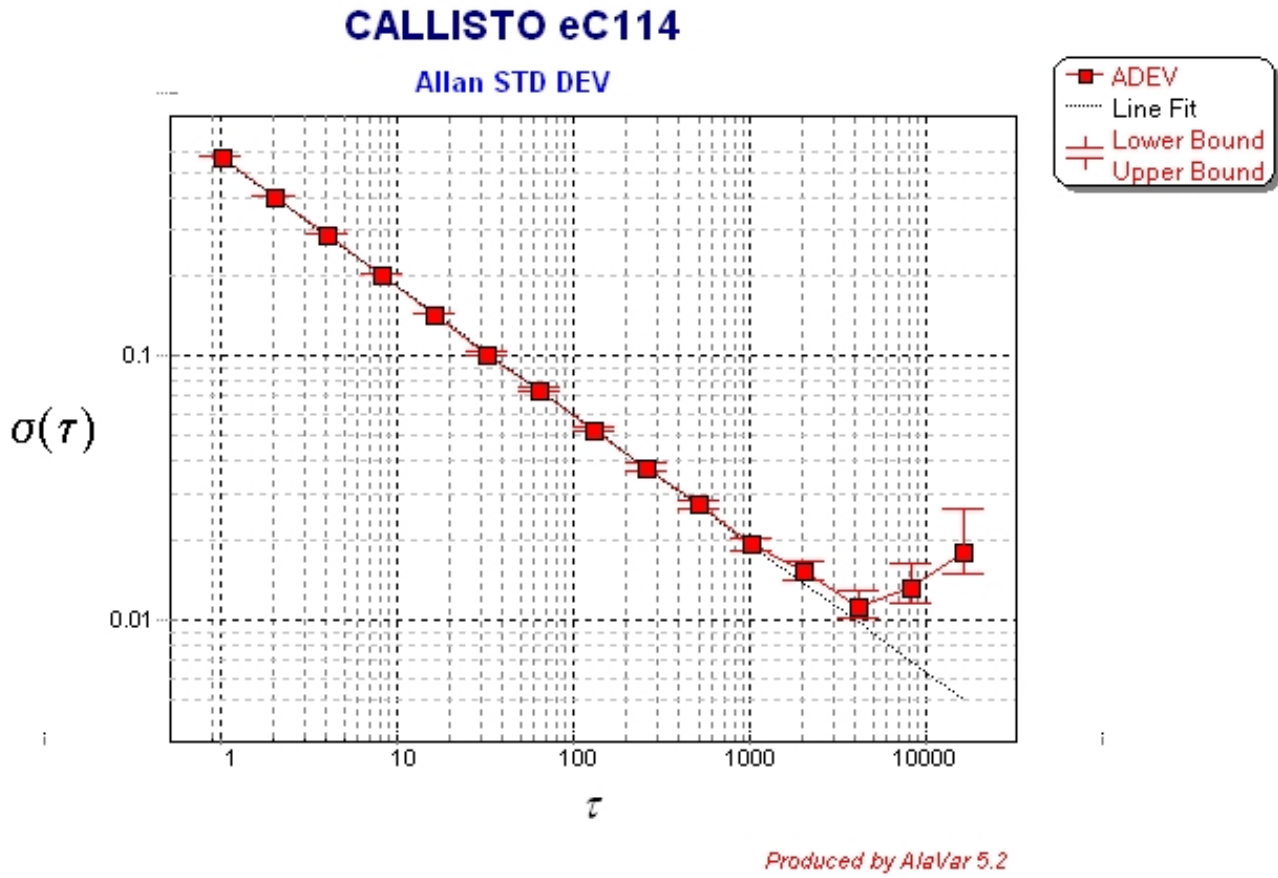


Figure 3 : Allan Standard Deviation