

AlaVar generated report

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

File 'C:\CALLISTO-01\FITfiles\TotalLightcurve.DAT' created on 13.07.2022 18:38:34

Column # 1 was processed

Data length N = 12600 points.

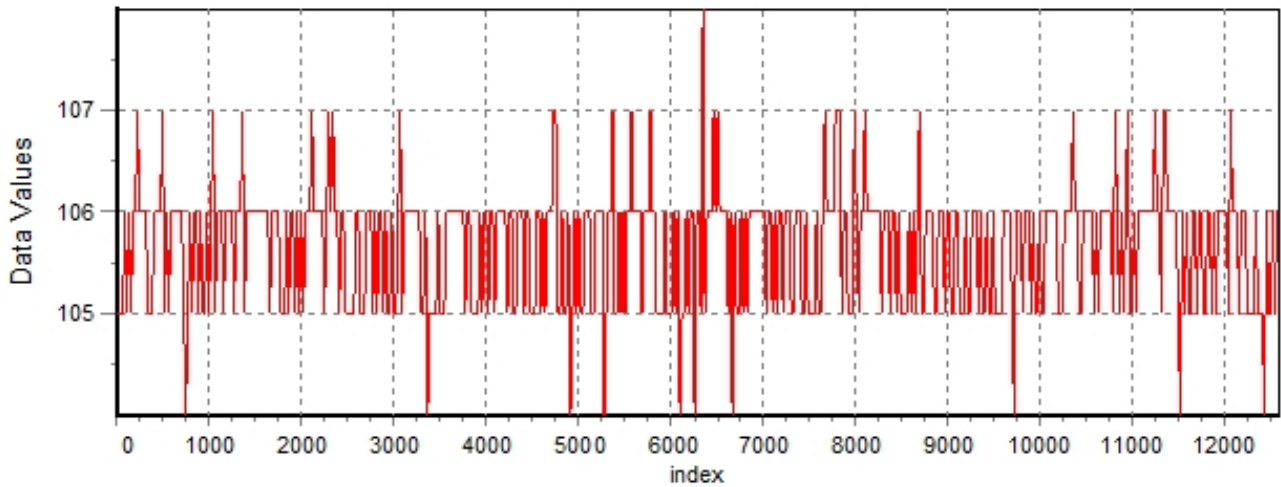
The mean Value of the processed data = 105.588

The Stanardr Deviation of the processed data = 2.56066

The number of removed outliers is 7

AlaVar 5.2

Data Values

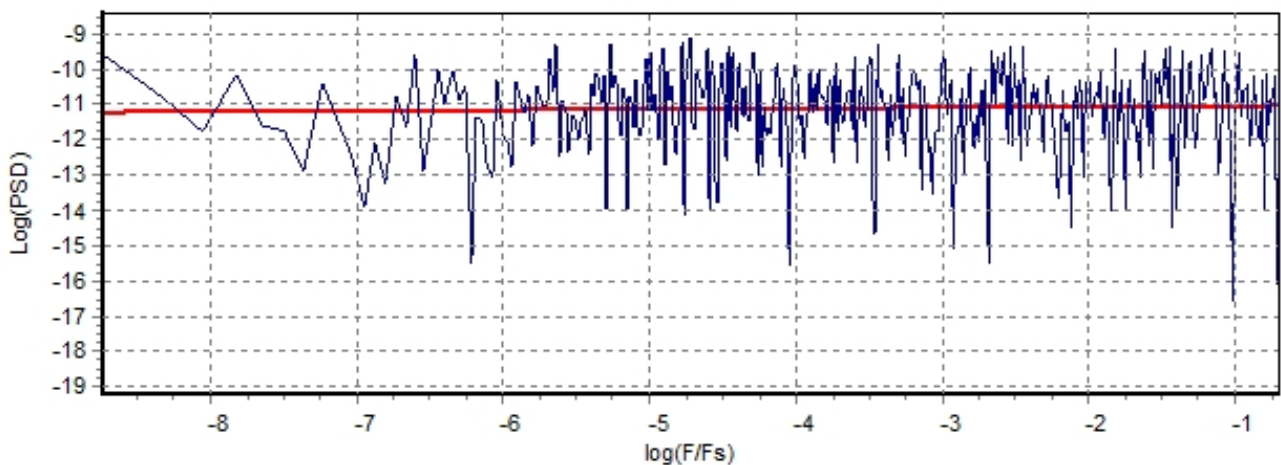


Produced by AlaVar 5.2

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 0.049000 seconds
 The error bars were computed for a : White FM
 The computation of the Error bars lasted 0.001 seconds

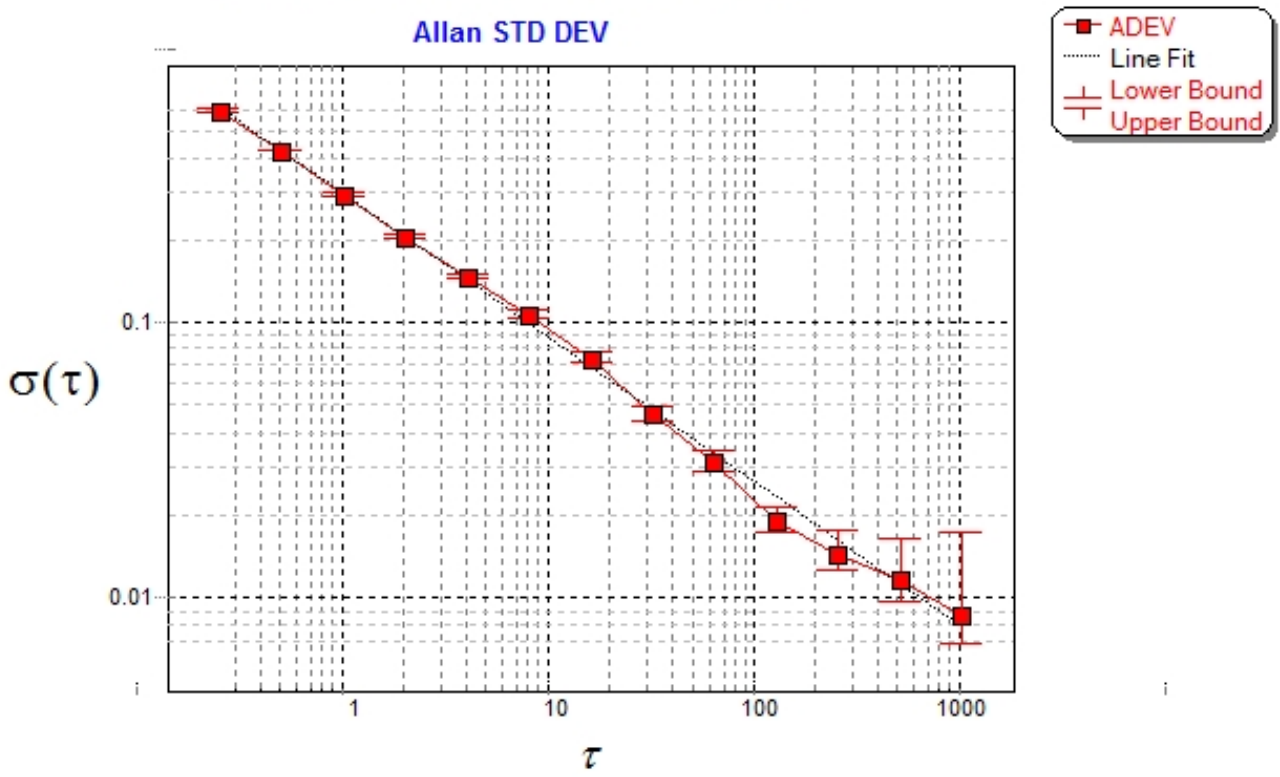
ADEV(tau) was fitted to a line :
 The Slope of the line is =-0.525557
 The fit result is ADEV(tau=1) = Stability =0.299643

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	0.60273	0.59813	0.60744	0.60273	0.086997	0.6028
0.5	0.42571	0.4222	0.4293	0.33606	0.097012	0.42688
1	0.29617	0.29305	0.29939	0.21457	0.12388	0.29632
2	0.20867	0.20566	0.2118	0.14828	0.17122	0.20822
4	0.14732	0.14437	0.15047	0.10411	0.24043	0.14626
8	0.10804	0.10502	0.11134	0.077314	0.3571	0.10805
16	0.074577	0.071676	0.07786	0.050823	0.46948	0.076282
32	0.046656	0.044144	0.049651	0.031527	0.58248	0.047311
64	0.031484	0.029153	0.03448	0.021308	0.78733	0.032335
128	0.018892	0.016984	0.021632	0.012269	0.90668	0.018725
256	0.014314	0.012356	0.017642	0.010159	1.5015	0.013021
512	0.011668	0.0095183	0.016525	0.0054206	1.6024	0.0092942
1024	0.0086101	0.0064748	0.017538	0.0062462	3.6928	0.0094108

CALLISTO eC162, 2022-07-13

Allan STD DEV



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Figure 3 : Allan Standard Deviation