

# AlaVar generated report

F:\Callisto\_Quali\Data\TotalLightCurve100.prn

File 'F:\Callisto\_Quali\Data\TotalLightCurve100.prn' created on 04.03.2016 09:45:52

Column # 1 was processed

Data length N = 687600 points.

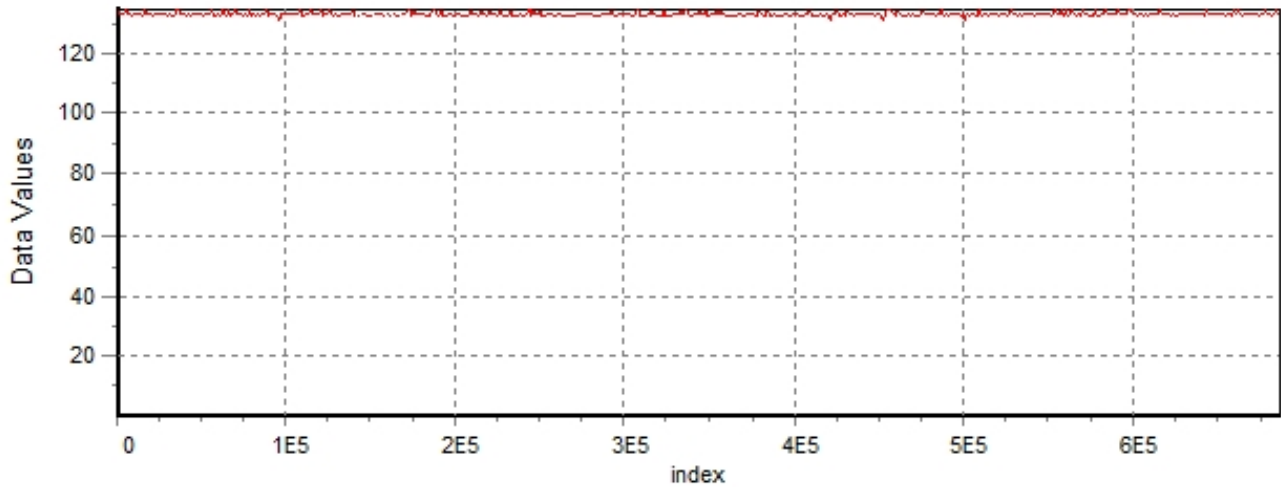
The mean Value of the processed data = 62669.3

The Stanardr Deviation of the processed data = 1.63983e+07

The number of removed outliers is 10

## AlaVar 5.2

### Data Values

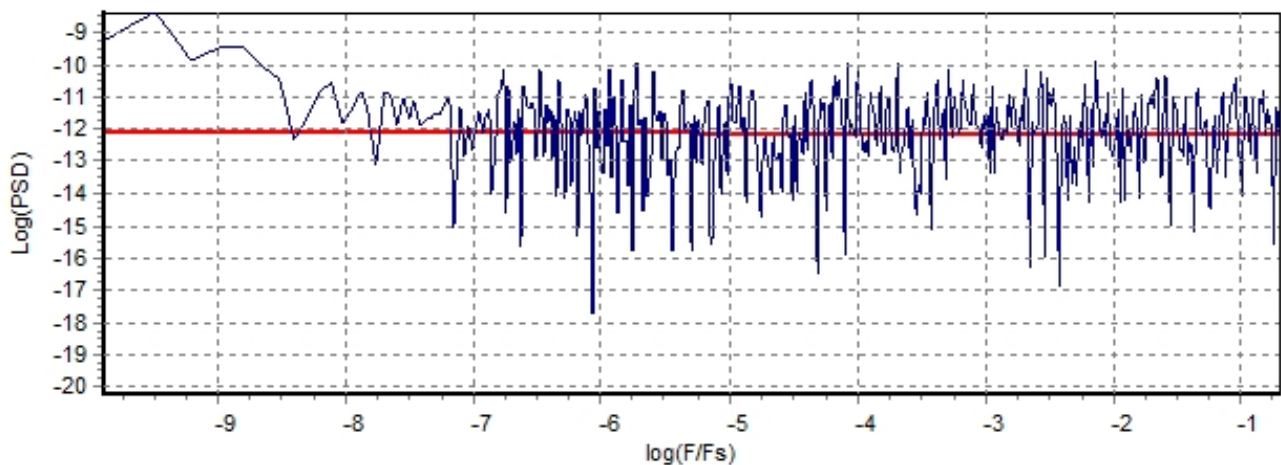


Produced by AlaVar 5.2

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 0.142000 seconds  
 The error bars were computed for a : White FM  
 The computation of the Error bars lasted 0 seconds

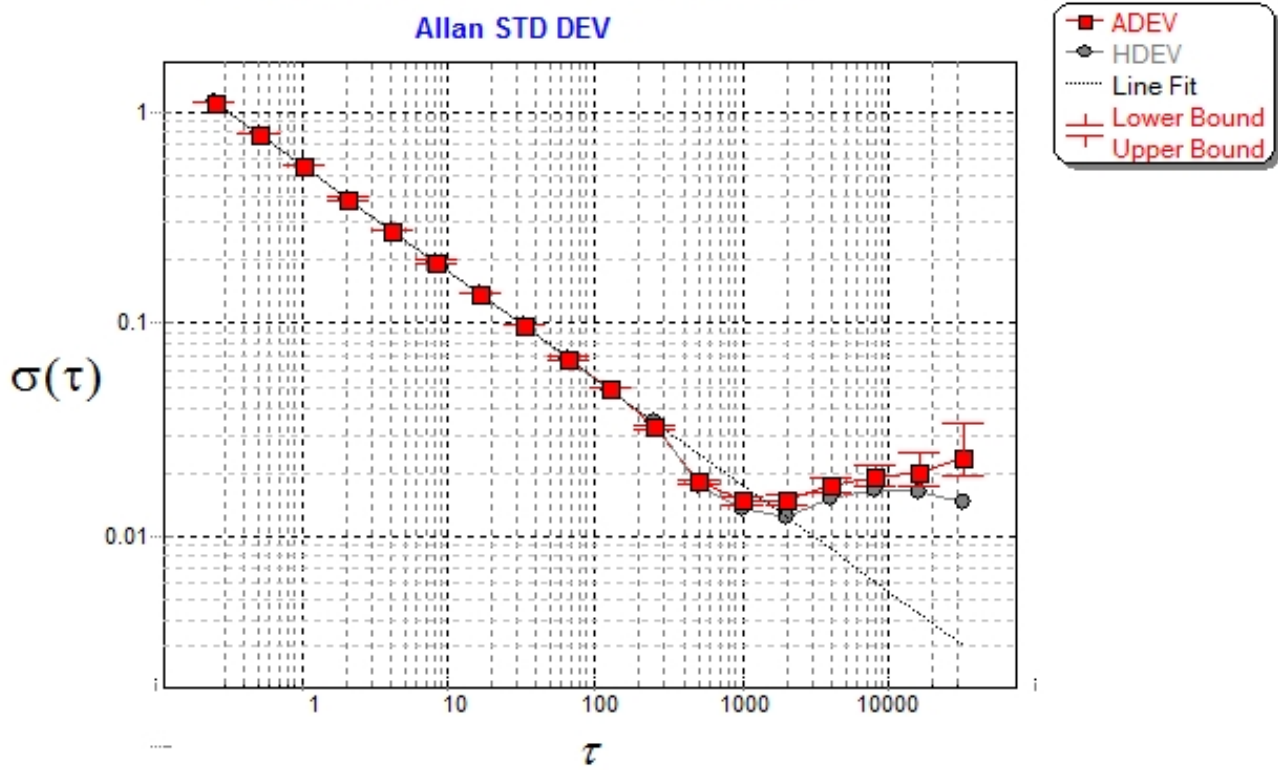
ADEV(tau) was fitted to a line :  
 The Slope of the line is =-0.502307  
 The fit result is ADEV(tau=1) = Stability =0.556993

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	1.1138	1.1127	1.115	1.1138	0.16077	1.1139
0.5	0.78777	0.78688	0.78866	0.623	0.17984	0.78754
1	0.55786	0.55706	0.55867	0.40663	0.23477	0.55824
2	0.3934	0.39262	0.39418	0.28023	0.32358	0.39345
4	0.2779	0.27713	0.27868	0.19689	0.45469	0.27757
8	0.19736	0.19659	0.19814	0.13958	0.64469	0.19762
16	0.13862	0.13785	0.1394	0.097644	0.902	0.13891
32	0.097373	0.096614	0.09815	0.068698	1.2692	0.097529
64	0.068689	0.067936	0.069468	0.048685	1.7989	0.06865
128	0.048783	0.048032	0.049571	0.034603	2.5572	0.048648
256	0.032444	0.031743	0.033193	0.019994	2.9551	0.034222
512	0.017834	0.017296	0.018425	0.012227	3.6145	0.017122
1024	0.014699	0.014083	0.015404	0.010786	6.3766	0.013343
2048	0.014545	0.013703	0.015566	0.012167	14.387	0.012079
4096	0.016989	0.015638	0.018764	0.014556	34.422	0.014911
8192	0.018715	0.016687	0.021721	0.015944	75.412	0.016461
16384	0.019616	0.016742	0.024759	0.01639	155.04	0.015884
32768	0.023081	0.018528	0.034397	0.018426	348.6	0.014396

### Allan time variance Callisto eC94

Allan STD DEV



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Figure 3 : Allan Standard Deviation