

# AlaVar generated report

E:\Callisto\_Quali\temp\Data\c90\TotalLightcurve\_s.DAT

File 'E:\Callisto\_Quali\temp\Data\c90\TotalLightcurve\_s.DAT' created on 06.11.2015 19:30:12

Column # 1 was processed

Data length N = 2467771 points.

The mean Value of the processed data = 87259.2

The Stanadr Deviation of the processed data = 1.93552e+07

The number of removed outliers is 50

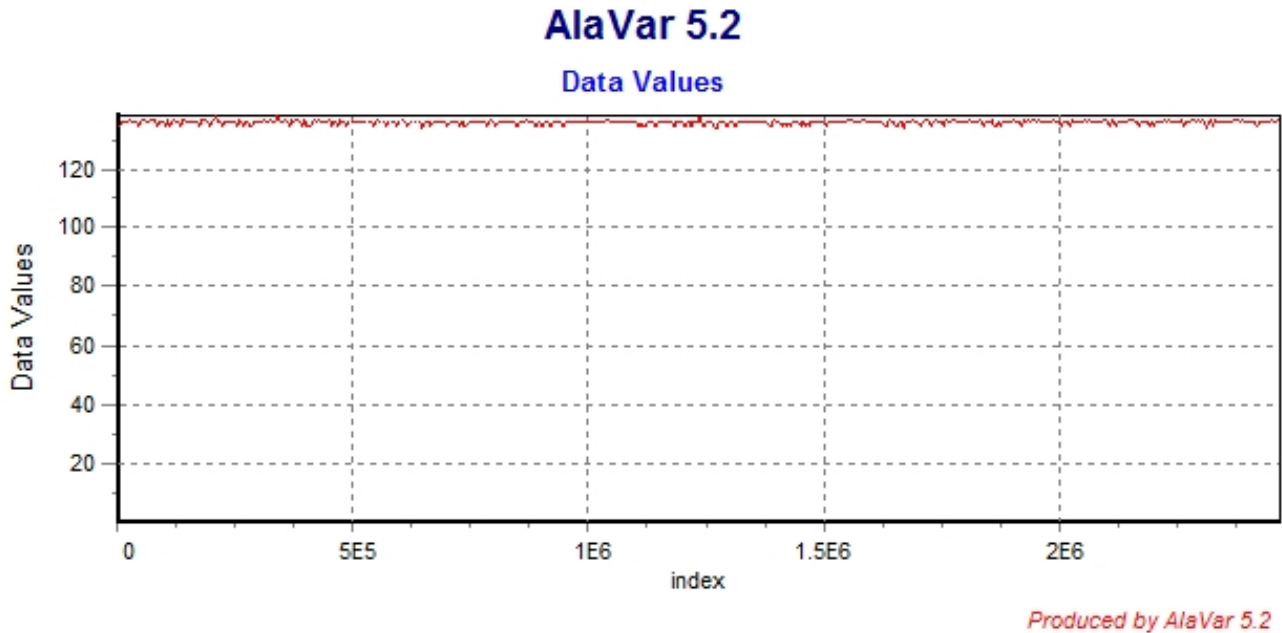


Figure 1 : Processed Data

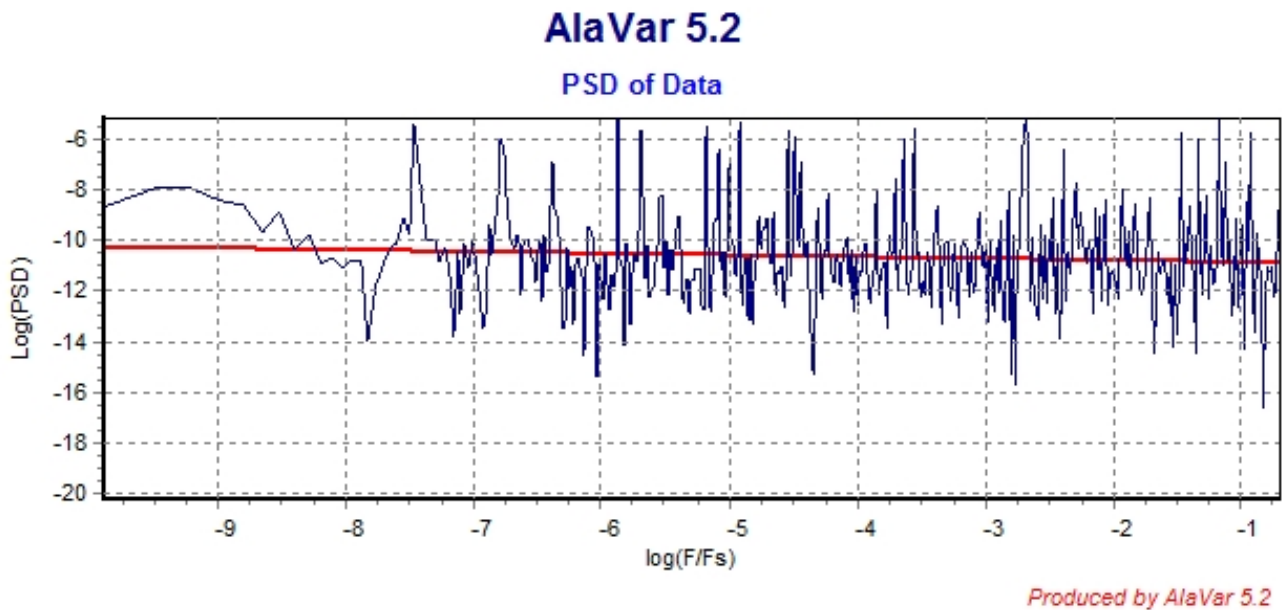


Figure 2 : Data PSD

The computation of the 3 ALLAN STD DEVs lasted 0.655000 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 =-0.496498  
 The fit result is ADEV(tau=1) = Stability =1.10834

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	2.2181	2.2169	2.2193	2.2181	0.32016	2.218
0.5	1.5687	1.5678	1.5697	1.2403	0.35804	1.5686
1	1.1096	1.1088	1.1104	0.80884	0.46699	1.1096
2	0.78451	0.78368	0.78533	0.55907	0.64555	0.7844
4	0.55512	0.55431	0.55595	0.39342	0.90856	0.55509
8	0.39259	0.39178	0.39341	0.27779	1.283	0.39252
16	0.27778	0.27696	0.2786	0.19648	1.815	0.27771
32	0.19679	0.19598	0.19762	0.13949	2.5771	0.19643
64	0.14049	0.13967	0.14132	0.099901	3.6914	0.14002
128	0.10121	0.10038	0.10207	0.072625	5.3671	0.10025
256	0.068561	0.067768	0.069382	0.042674	6.3073	0.071502
512	0.042391	0.041703	0.043115	0.032024	9.4665	0.038643
1024	0.041774	0.040824	0.042794	0.03374	19.947	0.03664
2048	0.044065	0.042666	0.045612	0.036061	42.639	0.04021
4096	0.042456	0.040583	0.044615	0.03411	80.665	0.040186
8192	0.037703	0.035406	0.040513	0.029833	141.1	0.036124
16384	0.033891	0.03106	0.037668	0.027447	259.62	0.029606
32768	0.033104	0.029343	0.038816	0.025513	482.68	0.03061
65536	0.027953	0.023662	0.035937	0.019711	745.82	0.02916
1.3107e+05	0.018438	0.014628	0.028657	0.0095726	724.4	0.013972

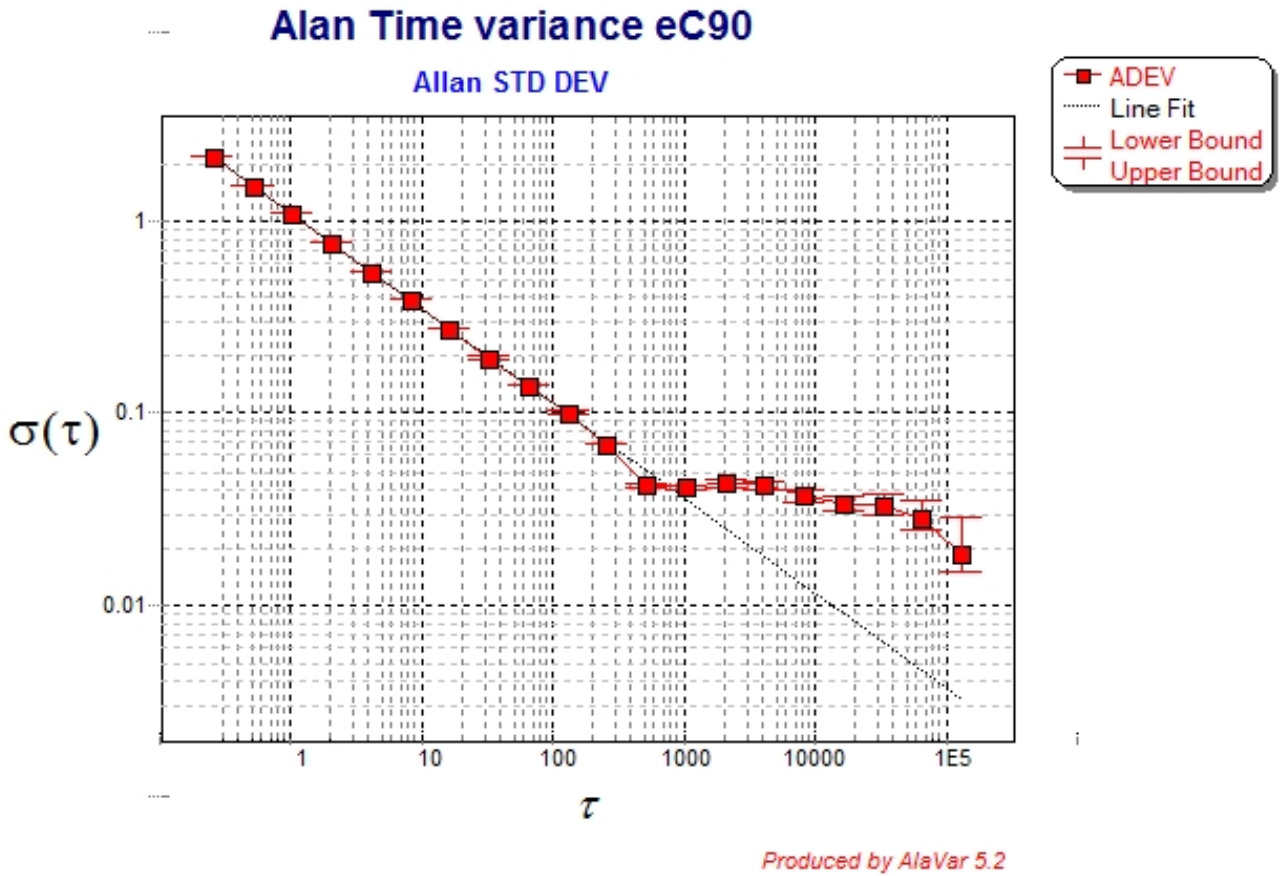


Figure 3 : Allan Standard Deviation