

AlaVar generated report

E:\Callisto_Quali\temp\Data\c89\TotalLightcurve.DAT

File 'E:\Callisto_Quali\temp\Data\c89\TotalLightcurve.DAT' created on 06.11.2015 19:23:32

Column # 1 was processed

Data length N = 2467744 points.

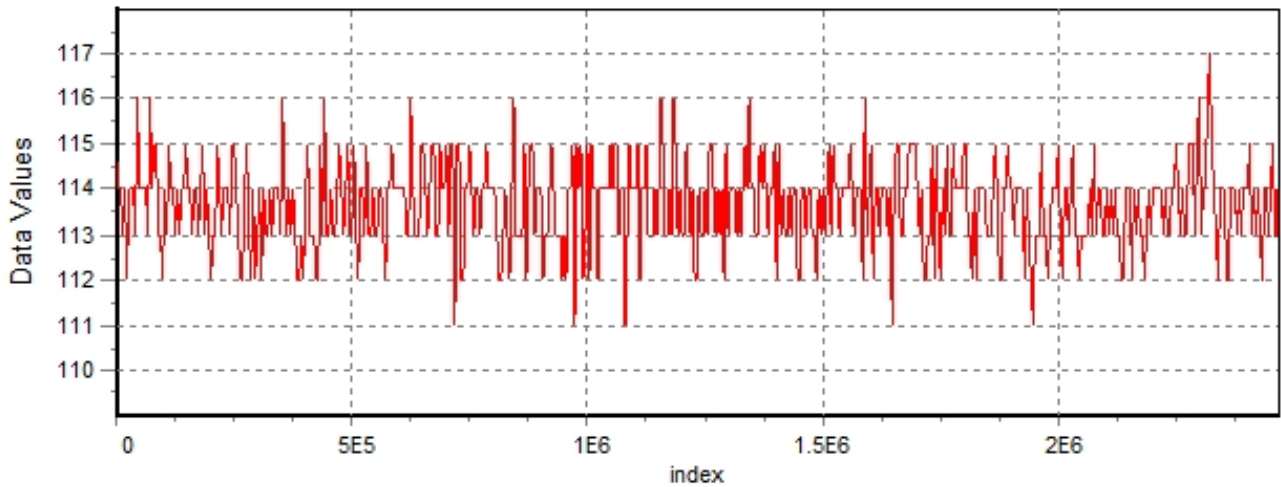
The mean Value of the processed data = 113.647

The Stanadr Deviation of the processed data = 2.8721

The number of removed outliers is 1371

AlaVar 5.2

Data Values

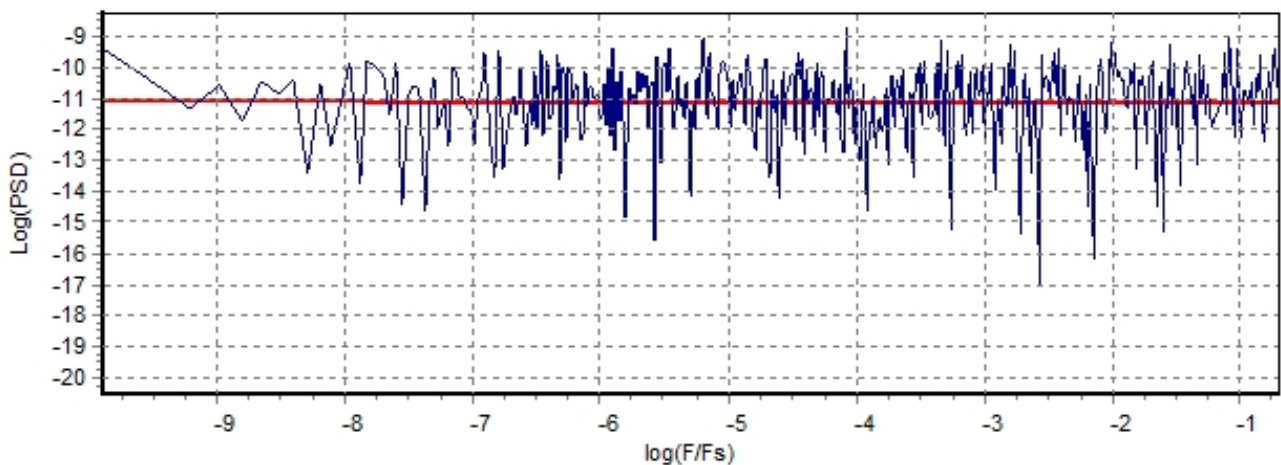


Produced by AlaVar 5.2

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 0.655000 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 Slope of the line is =-0.499485
 The fit result is ADEV(tau=1) = Stability =1.03177

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	1.0338	1.0332	1.0344	1.0338	0.59686	1.0339
2	0.73073	0.73029	0.73116	0.57764	0.667	0.73078
4	0.51662	0.51623	0.51702	0.37661	0.86973	0.51664
8	0.36516	0.36477	0.36554	0.26016	1.2016	0.36516
16	0.25813	0.25775	0.25851	0.18275	1.6881	0.25831
32	0.18184	0.18146	0.18222	0.12844	2.3729	0.18175
64	0.12888	0.1285	0.12926	0.091172	3.3688	0.12885
128	0.09124	0.090862	0.091622	0.064611	4.7748	0.091181
256	0.064896	0.064518	0.065282	0.046084	6.8113	0.064866
512	0.045888	0.045511	0.046275	0.032431	9.5868	0.045883
1024	0.032687	0.032309	0.033079	0.023224	13.73	0.032684
2048	0.02316	0.022784	0.023556	0.01648	19.486	0.023097
4096	0.016664	0.016284	0.017071	0.012017	28.418	0.016424
8192	0.01239	0.011997	0.012825	0.0087921	41.583	0.012494
16384	0.0087158	0.0083312	0.009159	0.0064263	60.789	0.0083054
32768	0.0074983	0.0070414	0.0080574	0.0057575	108.92	0.0065259
65536	0.0078478	0.0071922	0.0087229	0.0068206	258.07	0.0057721
1.3107e+05	0.010787	0.0095614	0.012649	0.0093409	706.87	0.006013
2.6214e+05	0.014324	0.012125	0.018417	0.012169	1841.8	0.0070732
5.2429e+05	0.02179	0.017286	0.033875	0.020397	6174.2	0.0088201

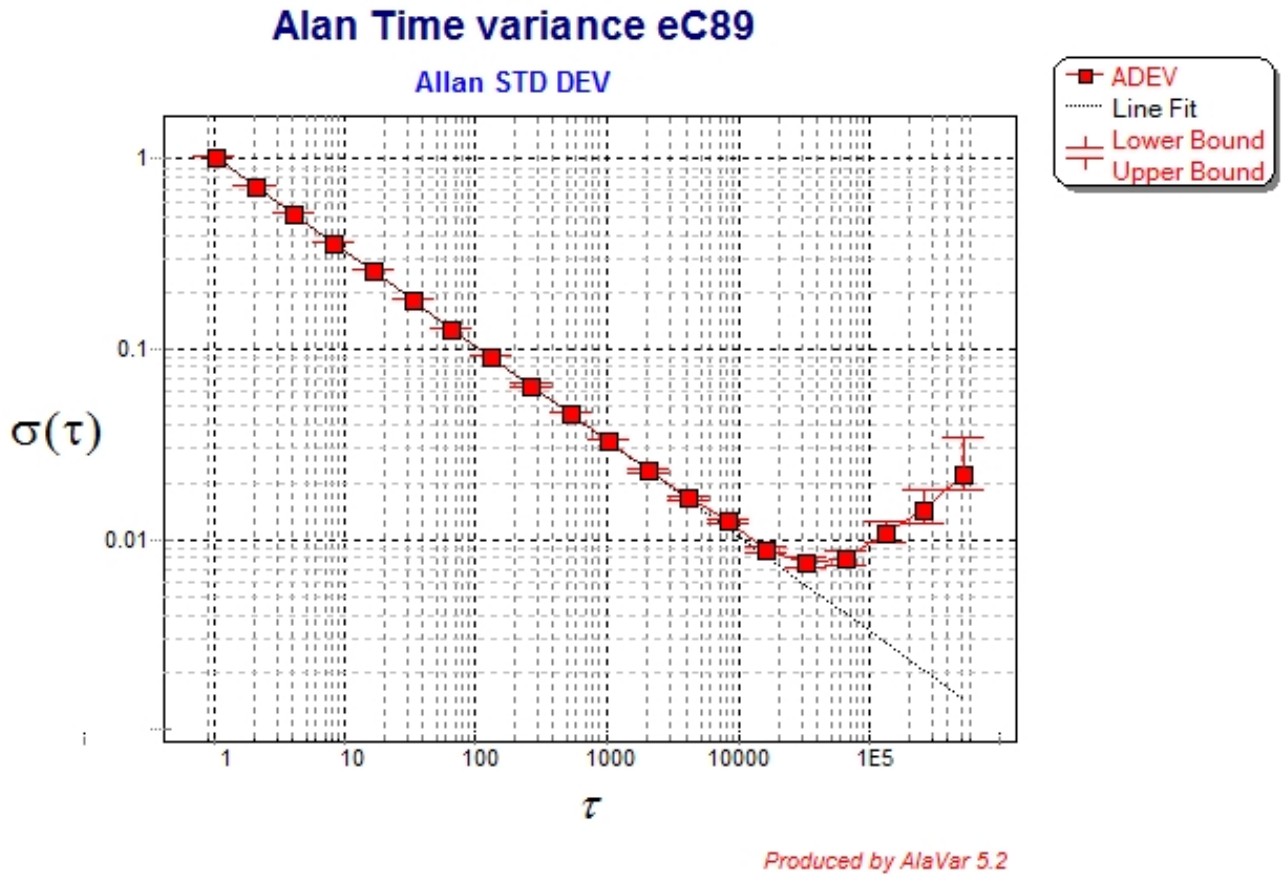


Figure 3 : Allan Standard Deviation