

AlaVar generated report

D:\Callisto\AlaVar5\Data\SFLC_20120410.dat

File 'D:\Callisto\AlaVar5\Data\SFLC_20120410.dat' created on 11.04.2012 00:00:02

Column # 2 was processed

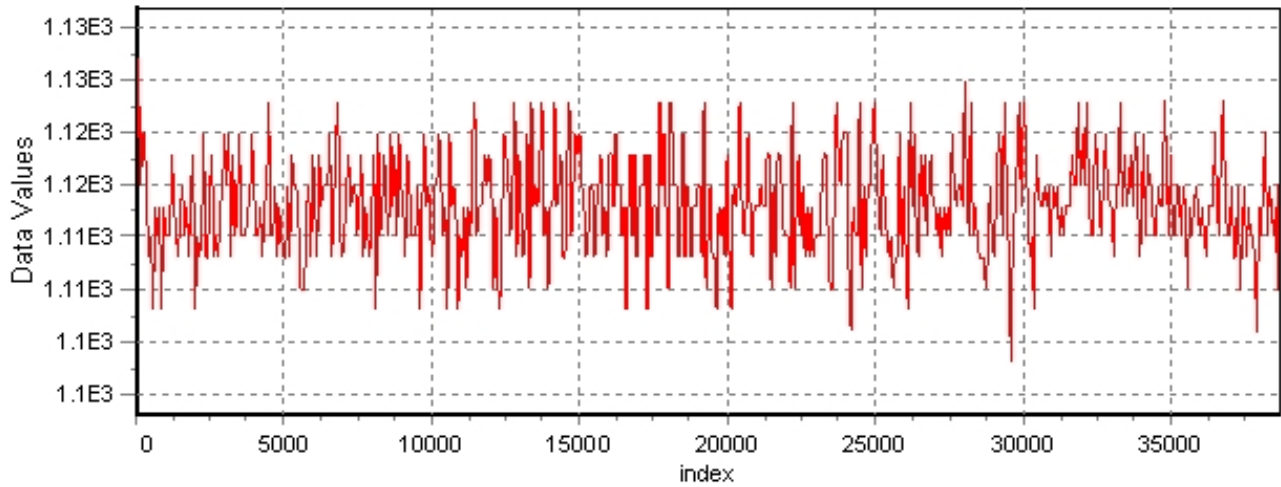
Data length N = 38700 points.

The mean Value of the processed data = 1112.91

The Stanadrd Deviation of the processed data = 4.88376

AlaVar 5.2

Data Values

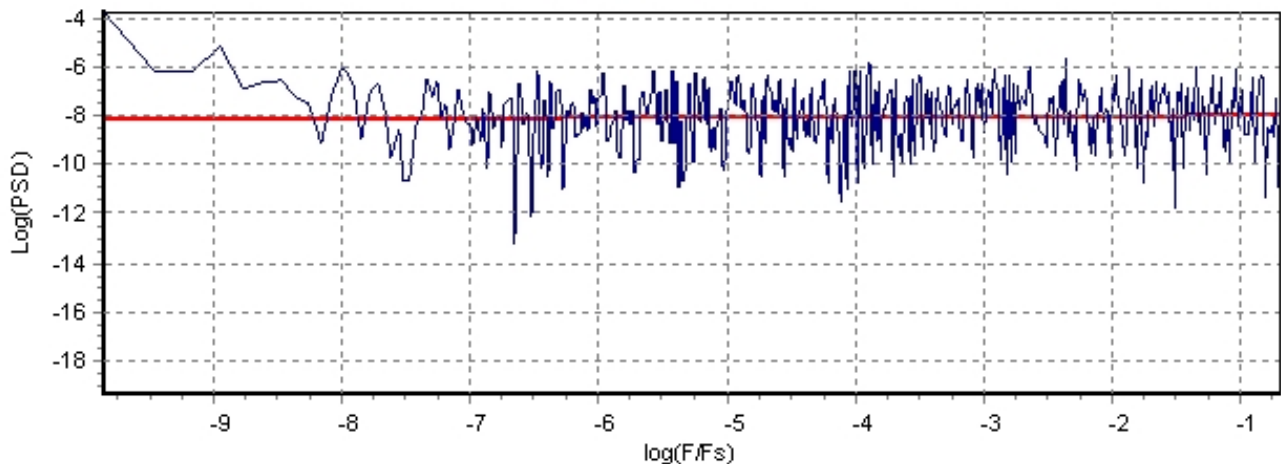


Produced by AlaVar 5.2

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 0.190000 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 =-0.513066
 The fit result is ADEV(tau=1) = Stability =4.98824

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	4.8618	4.8405	4.8833	4.8618	2.8069	4.8586
2	3.4509	3.4346	3.4675	2.7304	3.1528	3.4486
4	2.4549	2.4401	2.4701	1.7995	4.1558	2.4489
8	1.7472	1.7328	1.7621	1.239	5.7227	1.7595
16	1.2095	1.1955	1.224	0.8601	7.9453	1.2064
32	0.86368	0.84967	0.87841	0.60944	11.26	0.8623
64	0.61204	0.59814	0.62696	0.43066	15.913	0.61649
128	0.41438	0.40124	0.42889	0.2859	21.128	0.41784
256	0.28257	0.27013	0.29691	0.19546	28.889	0.28466
512	0.19856	0.18649	0.21333	0.1422	42.034	0.19269
1024	0.15356	0.14076	0.17064	0.11303	66.821	0.14783
2048	0.11629	0.1031	0.13631	0.088017	104.07	0.10275
4096	0.11592	0.098153	0.14893	0.095794	226.54	0.094513
8192	0.16649	0.13214	0.25836	0.17269	816.77	0.088113

Allan plot Callisto eC64

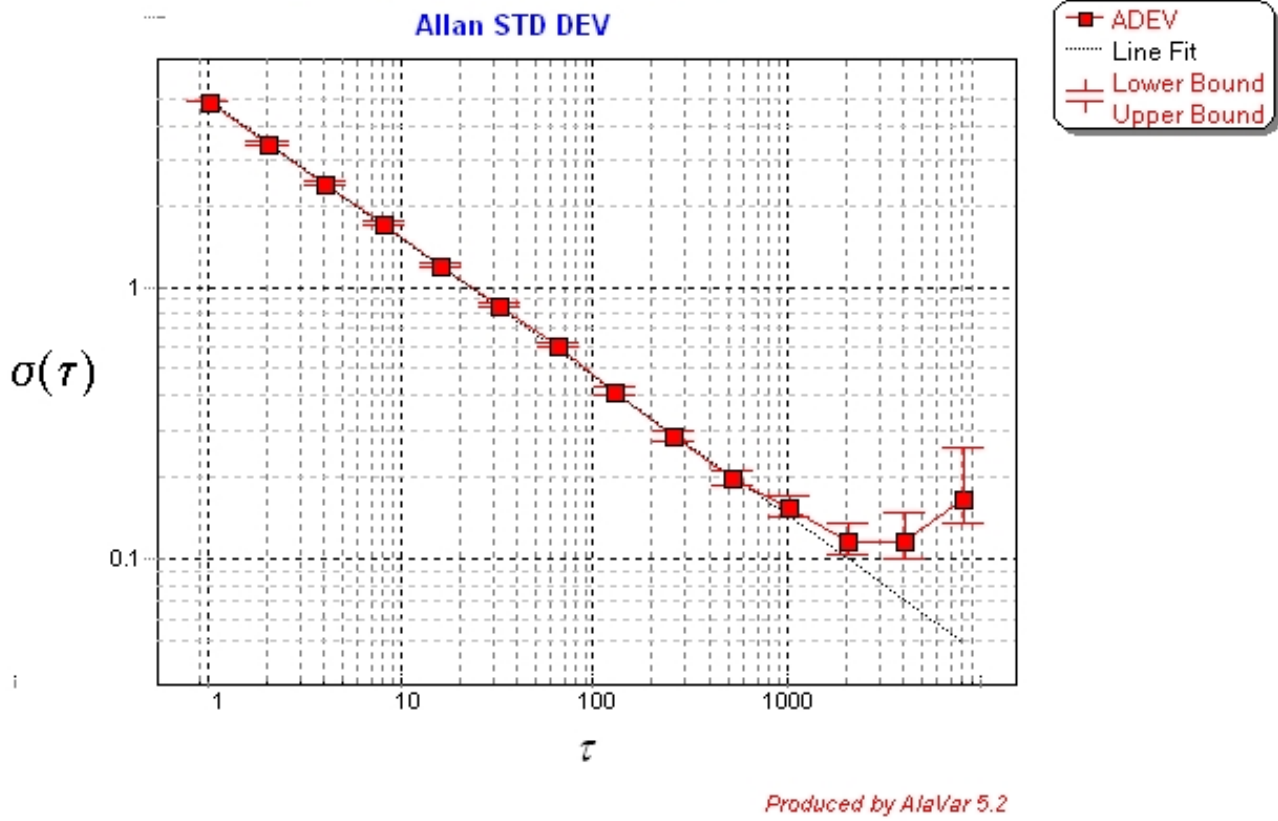


Figure 3 : Allan Standard Deviation