

AlaVar generated report

F:\LC2\ec82.dat

File 'F:\LC2\ec82.dat' created on 12.05.2014 10:29:22

Column # 1 was processed

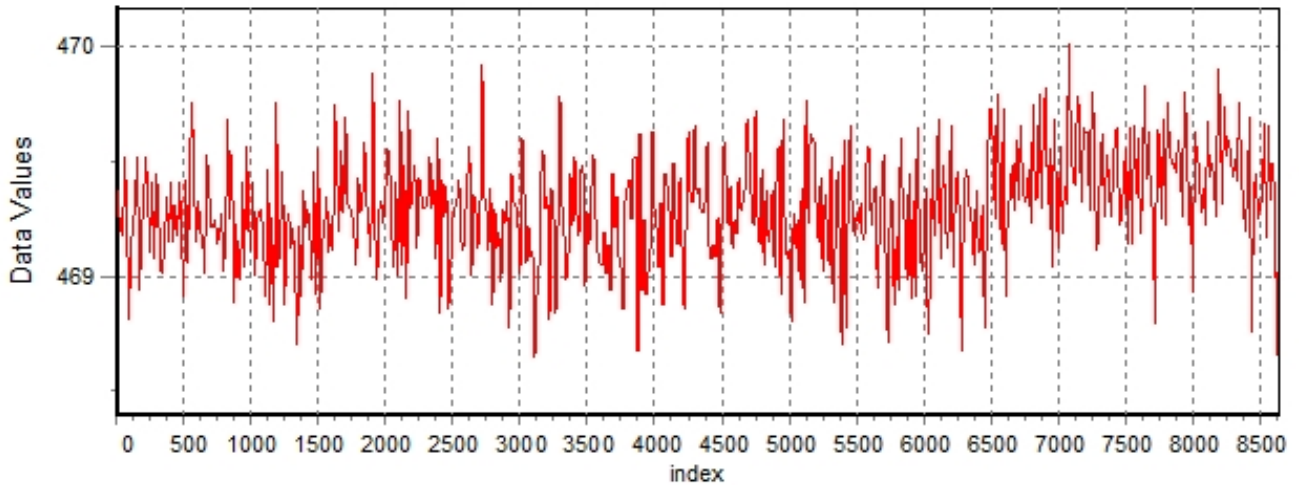
Data length N = 8641 points.

The mean Value of the processed data = 469.301

The Stanadrd Deviation of the processed data = 0.238822

AlaVar 5.2

Data Values

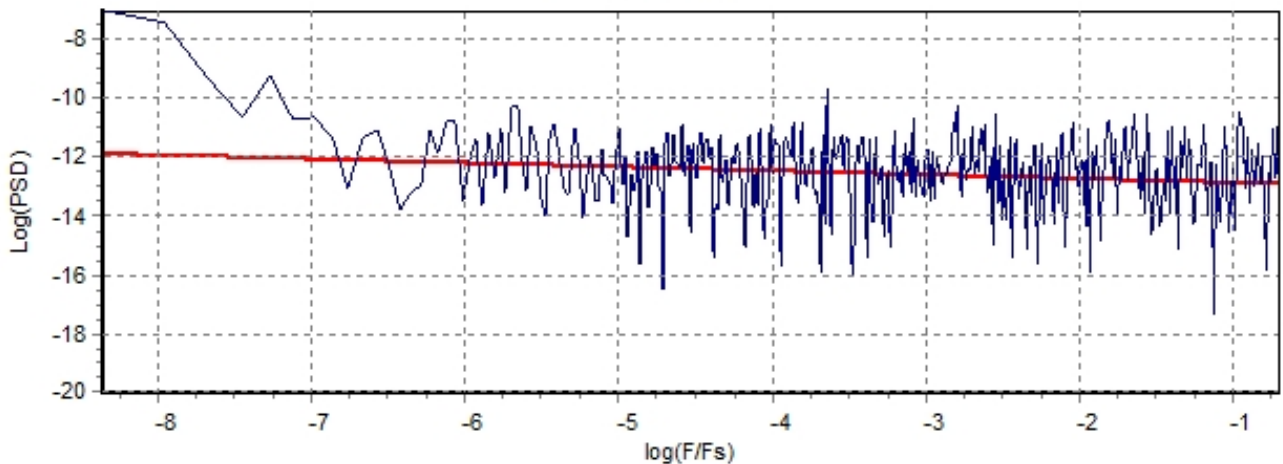


Produced by AlaVar 5.2

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 0.187000 seconds
 The error bars were computed for a : White FM
 The computation of the Error bars lasted 0 seconds

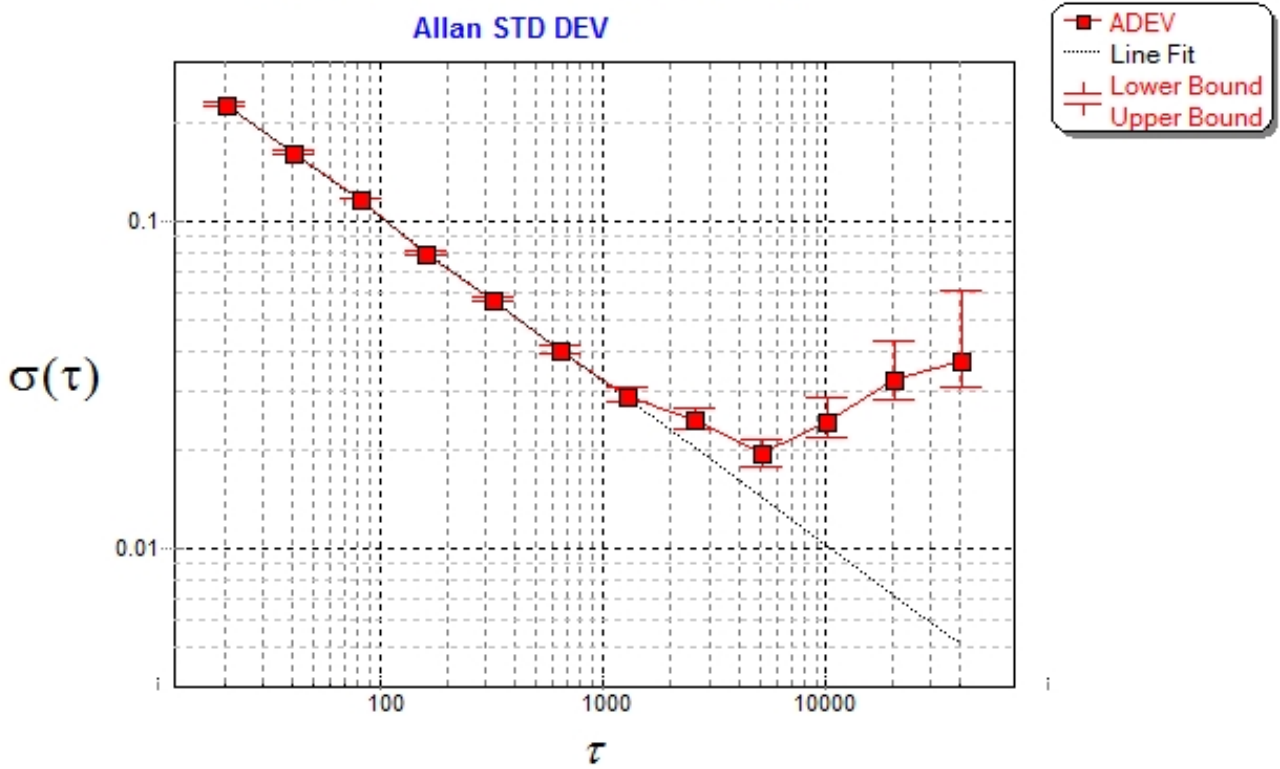
ADEV(tau) was fitted to a line :
 The Solpe of the line is =-0.501798
 The fit result is ADEV(tau=1) = Stability =1.0395

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
20	0.23099	0.22886	0.23317	0.23099	2.6672	0.23089
40	0.16402	0.16239	0.1657	0.13021	3.007	0.1634
80	0.11689	0.11541	0.11843	0.084571	3.9062	0.11756
160	0.080013	0.078629	0.081473	0.056332	5.2037	0.079936
320	0.057266	0.055889	0.05875	0.040608	7.5023	0.057457
640	0.040179	0.038834	0.041674	0.028546	10.548	0.04011
1280	0.029127	0.027774	0.030698	0.021541	15.919	0.027555
2560	0.024683	0.023102	0.026641	0.018316	27.072	0.024642
5120	0.01945	0.017744	0.021767	0.015893	46.98	0.016006
10240	0.02419	0.021307	0.028684	0.022121	130.78	0.018925
20480	0.032867	0.02758	0.043139	0.029465	348.4	0.023155
40960	0.037455	0.029344	0.061214	0.020413	482.73	0.025635

Allan Variance Callisto eC82

Allan STD DEV



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Figure 3 : Allan Standard Deviation