

# AlaVar generated report

F:\LC2\ec80.dat

File 'F:\LC2\ec80.dat' created on 12.05.2014 10:31:50

Column # 1 was processed

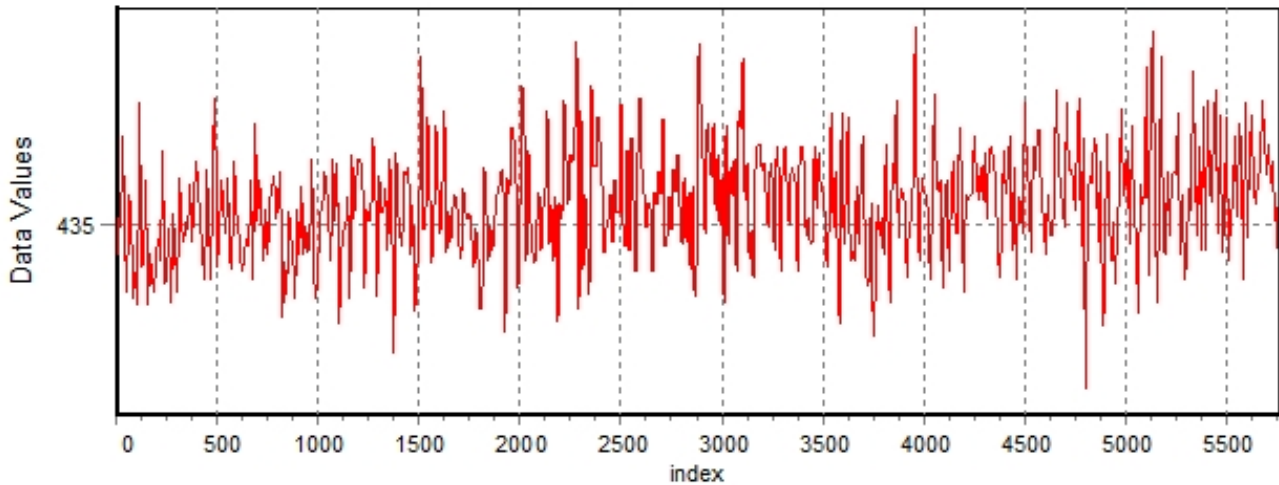
Data length N = 5764 points.

The mean Value of the processed data = 435.084

The Stanadr Deviation of the processed data = 0.24628

## AlaVar 5.2

### Data Values

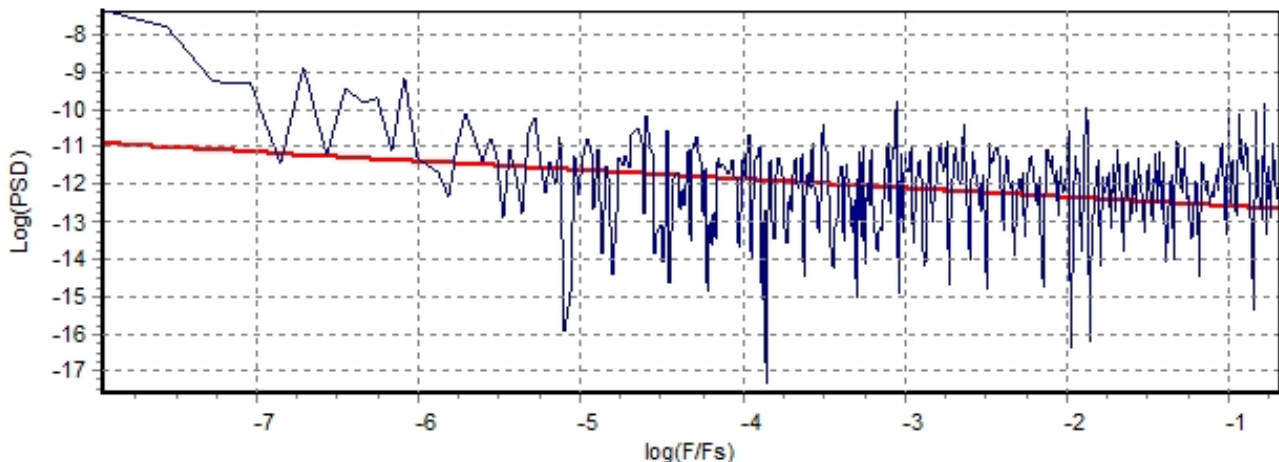


*Produced by AlaVar 5.2*

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 0.172000 seconds  
 The error bars were computed for a : White FM  
 The computation of the Error bars lasted 0 seconds

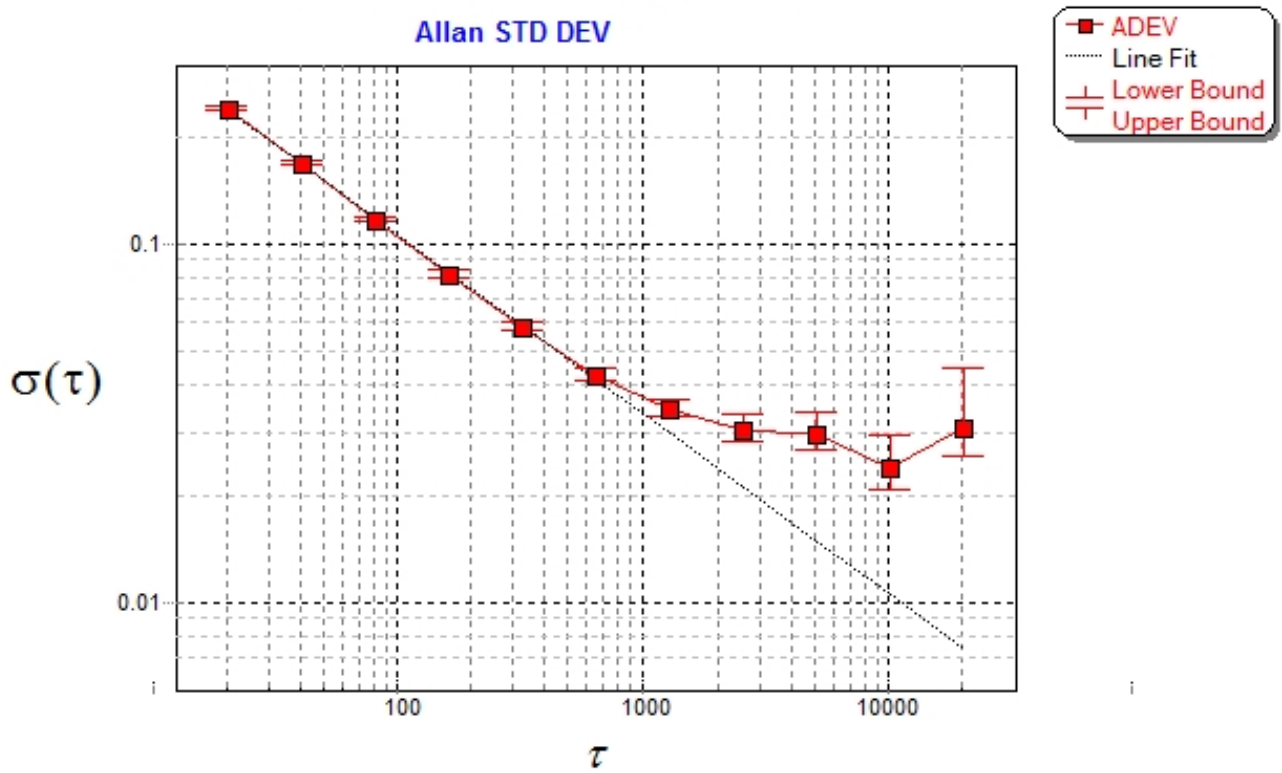
ADEV(tau) was fitted to a line :  
 The Solpe of the line is =-0.500008  
 The fit result is ADEV(tau=1) = Stability =1.06323

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	0.24037	0.23767	0.24316	0.24037	2.7755	0.24059
40	0.16948	0.16743	0.17161	0.13353	3.0837	0.17062
80	0.11712	0.11532	0.11902	0.085341	3.9417	0.11693
160	0.082966	0.081219	0.084831	0.058591	5.4124	0.083333
320	0.058421	0.056714	0.060292	0.042096	7.7773	0.05788
640	0.043126	0.041376	0.045118	0.031429	11.613	0.041932
1280	0.034508	0.032573	0.036835	0.025799	19.065	0.032569
2560	0.030224	0.027896	0.033254	0.024275	35.879	0.02772
5120	0.029342	0.026261	0.033844	0.022617	66.857	0.028835
10240	0.023665	0.020302	0.029543	0.019571	115.7	0.019314
20480	0.030663	0.024795	0.044613	0.026944	318.58	0.022376

### Allan Variance Callisto eC80

Allan STD DEV



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Figure 3 : Allan Standard Deviation