

# AlaVar generated report

F:\LC2\ec81.dat

File 'F:\LC2\ec81.dat' created on 12.05.2014 10:24:24

Column # 1 was processed

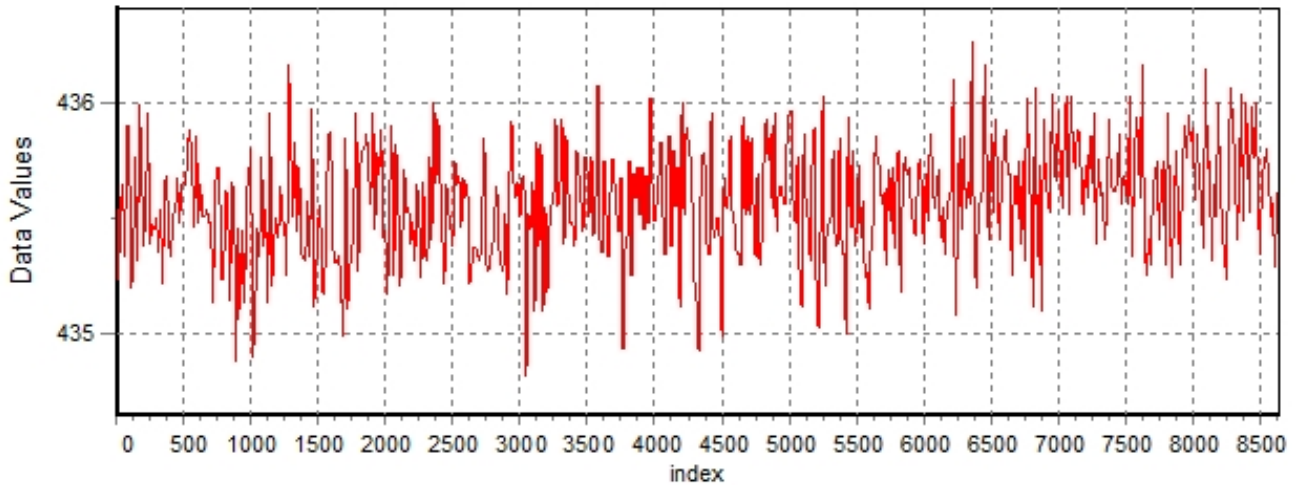
Data length N = 8641 points.

The mean Value of the processed data = 435.567

The Stanadrd Deviation of the processed data = 0.242207

## AlaVar 5.2

### Data Values

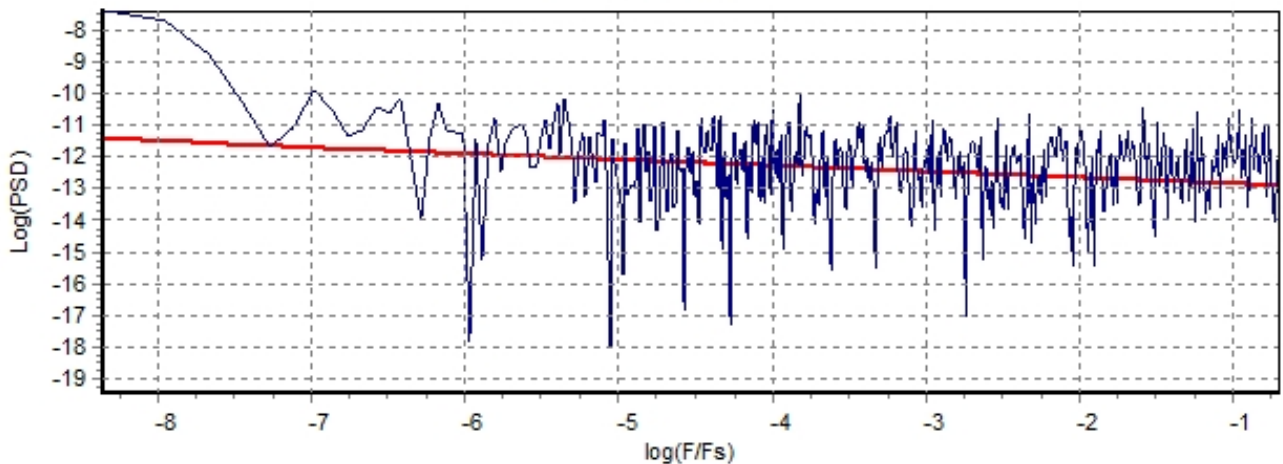


*Produced by AlaVar 5.2*

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

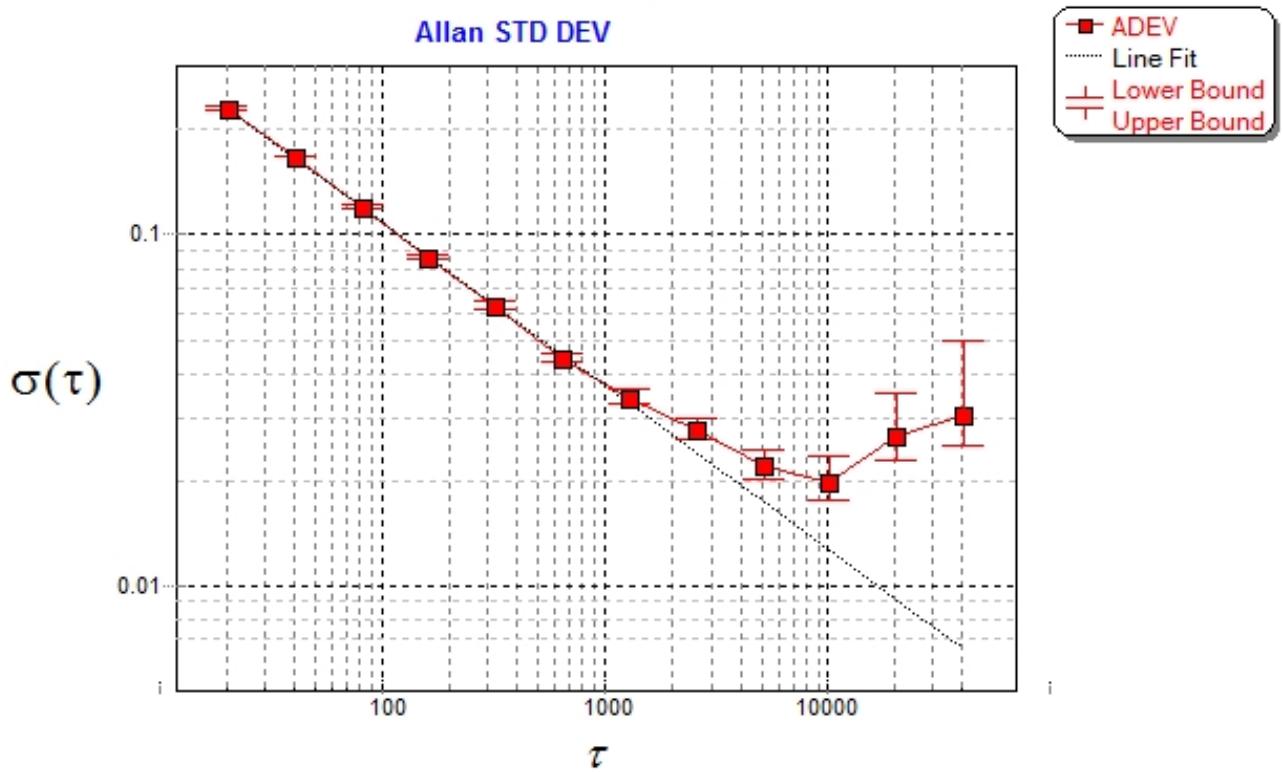
ADEV(tau) was fitted to a line :  
 The Solpe of the line is =-0.466009  
 The fit result is ADEV(tau=1) = Stability =0.925393

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	0.2311	0.22897	0.23328	0.2311	2.6685	0.23013
40	0.16666	0.16501	0.16837	0.13258	3.0619	0.1658
80	0.12032	0.11879	0.1219	0.088181	4.0729	0.12031
160	0.085602	0.084121	0.087164	0.061816	5.7103	0.084797
320	0.062733	0.061224	0.064359	0.044907	8.2967	0.062781
640	0.044171	0.042693	0.045815	0.031334	11.578	0.043521
1280	0.034137	0.032552	0.035979	0.025839	19.095	0.032771
2560	0.027604	0.025836	0.029793	0.020329	30.046	0.027289
5120	0.021743	0.019836	0.024332	0.016816	49.708	0.02078
10240	0.019638	0.017298	0.023287	0.017188	101.62	0.015545
20480	0.026637	0.022351	0.034961	0.024055	284.43	0.020994
40960	0.030432	0.023842	0.049736	0.021297	503.63	0.014389

### Allan Variance Callisto eC81

Allan STD DEV



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Figure 3 : Allan Standard Deviation