

# AlaVar generated report

G:\Allan\_ec57.dat.txt

File 'G:\Allan\_ec57.dat.txt' created on 03.07.2012 08:58:02

Column # 1 was processed

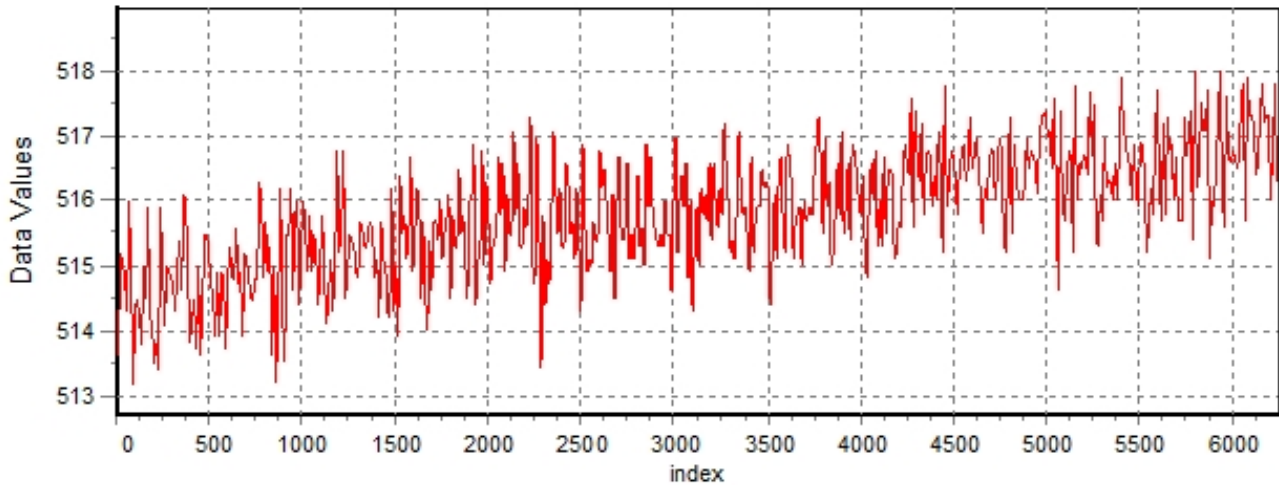
Data length N = 6253 points.

The mean Value of the processed data = 515.798

The Stanadr Deviation of the processed data = 0.918674

## AlaVar 5.2

### Data Values

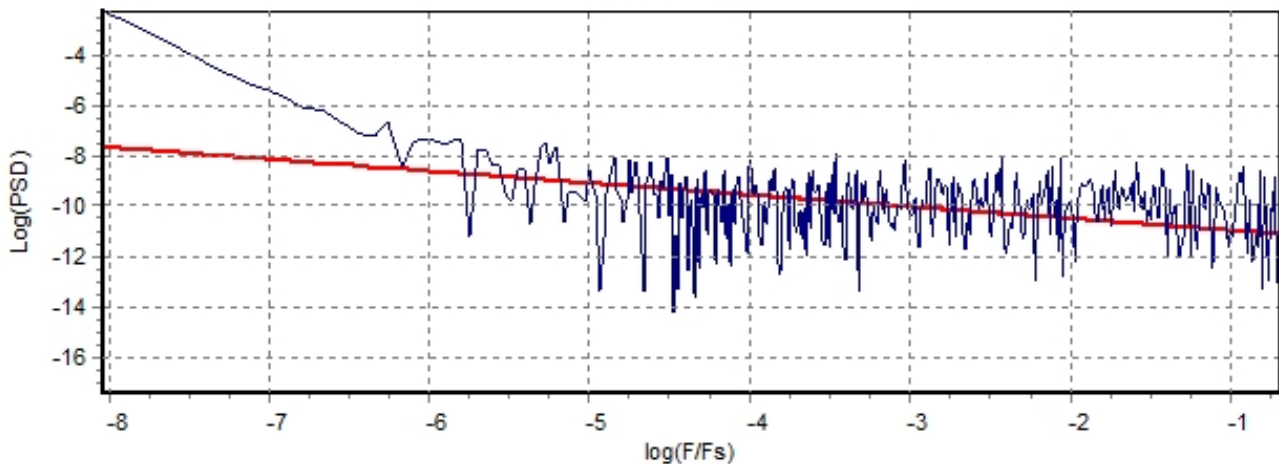


*Produced by AlaVar 5.2*

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

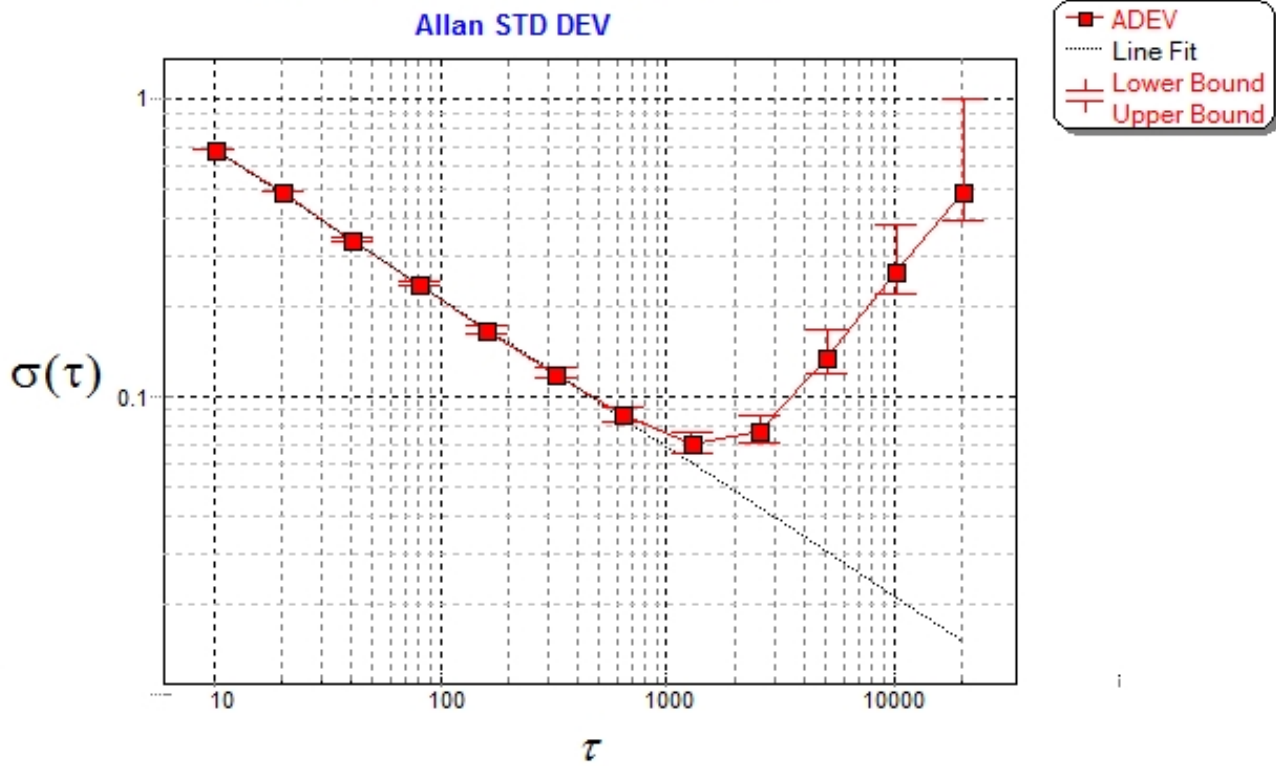
ADEV(tau) was fitted to a line :  
 The Solpe of the line is =-0.5  
 The fit result is ADEV(tau=1) = Stability =2.14633

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
10	0.67561	0.66833	0.68314	0.67561	3.9006	0.67277
20	0.48637	0.48071	0.49223	0.38501	4.4457	0.48834
40	0.33791	0.3329	0.34316	0.24594	5.6798	0.33809
80	0.23944	0.23459	0.2446	0.16999	7.8514	0.24003
160	0.16841	0.16368	0.17357	0.11905	10.998	0.16892
320	0.1184	0.11378	0.12364	0.08474	15.656	0.11765
640	0.086431	0.081763	0.092002	0.062372	23.047	0.084709
1280	0.069369	0.064218	0.075997	0.054571	40.329	0.062251
2560	0.075918	0.068227	0.086974	0.070717	104.52	0.04271
5120	0.13525	0.11669	0.16685	0.13602	402.07	0.024554
10240	0.26564	0.21655	0.37695	0.25486	1506.8	0.048635
20480	0.48889	0.3673	1.0025	0.47967	5671.7	0.16434

### Allan Variance Callisto eC57

Allan STD DEV



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Figure 3 : Allan Standard Deviation