

# AlaVar generated report

C:\temp\Data\LC050.dat

File 'C:\temp\Data\LC050.dat' created on 06.11.2017 06:37:42

Column # 1 was processed

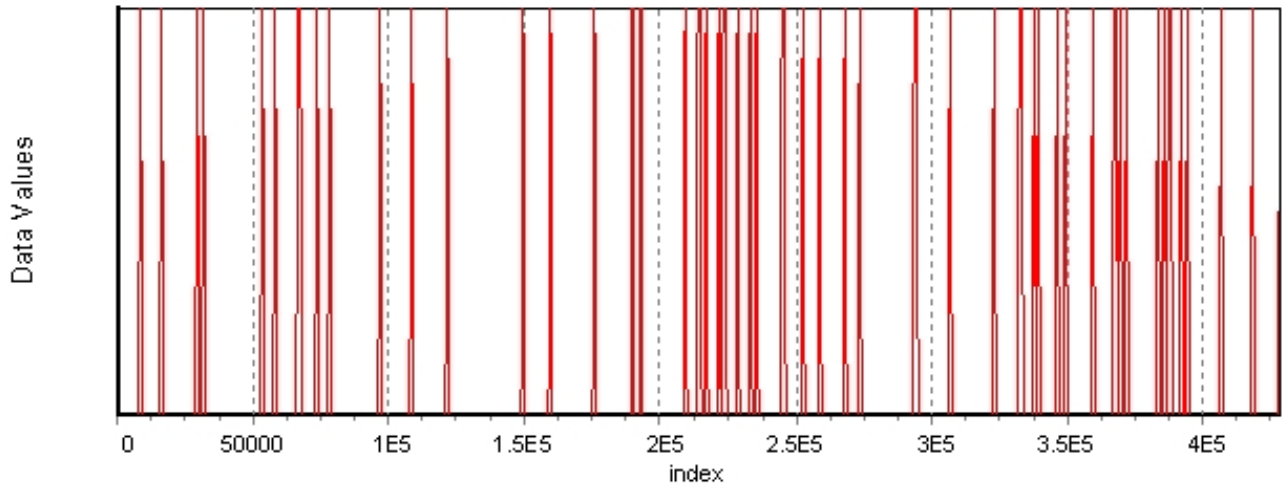
Data length N = 428400 points.

The mean Value of the processed data = 156.09

The Stanardr Deviation of the processed data = 0.285874

## AlaVar 5.2

### Data Values

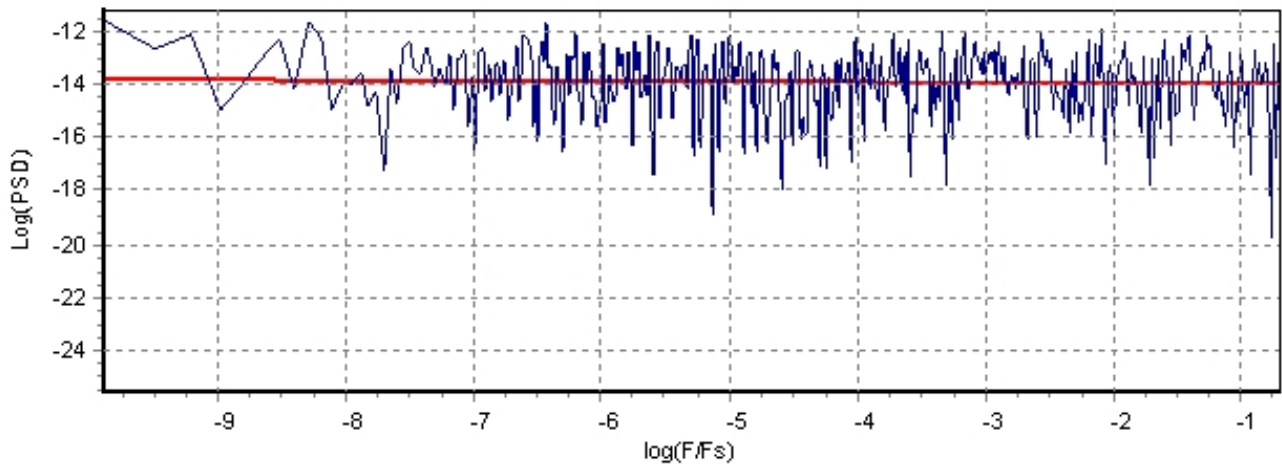


*Produced by AlaVar 5.2*

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 0.625000 seconds  
 The error bars were computed for a : White FM  
 The computation of the Error bars lasted 0 seconds

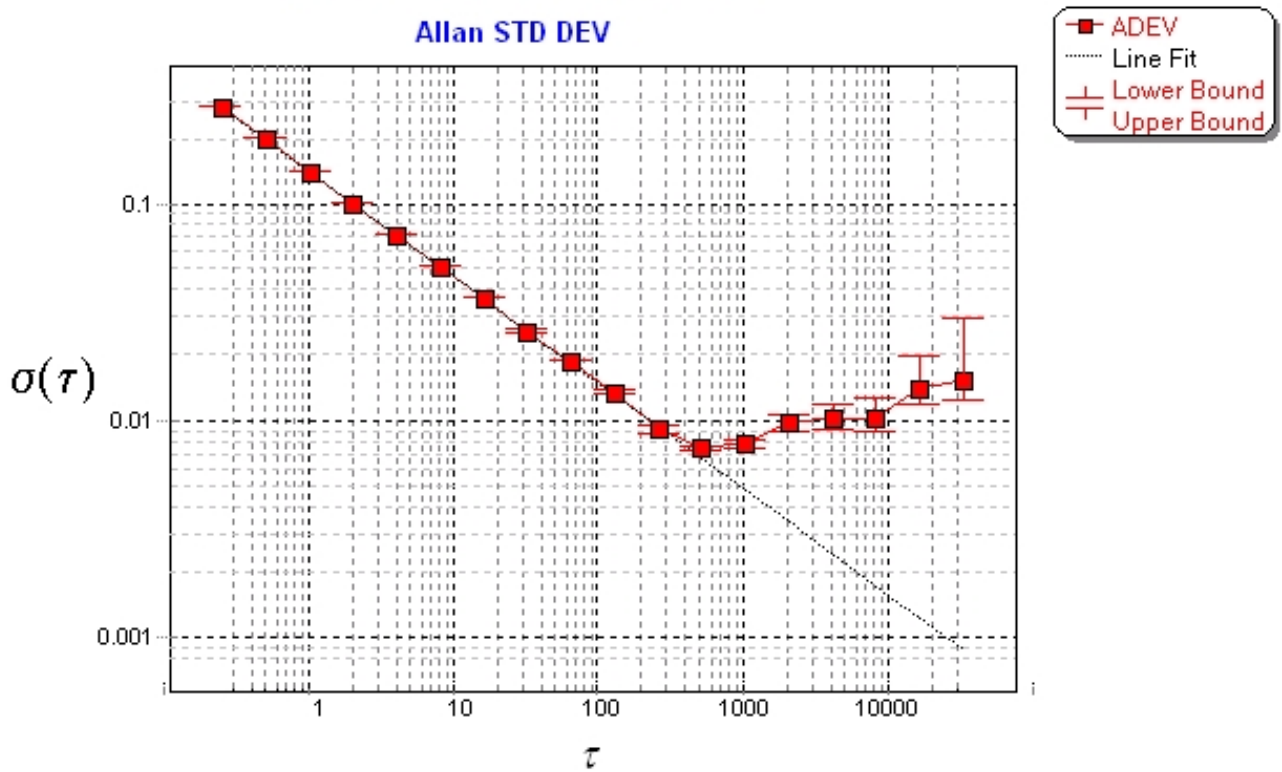
ADEV(tau) was fitted to a line :  
 The Solpe of the line is =-0.489845  
 The fit result is ADEV(tau=1) = Stability =0.14285

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
0.25	0.28428	0.28391	0.28466	0.28428	0.041033	0.28424
0.5	0.20113	0.20084	0.20142	0.15898	0.045894	0.20123
1	0.14203	0.14177	0.14229	0.10356	0.059792	0.14191
2	0.10075	0.1005	0.101	0.071921	0.083047	0.10058
4	0.071885	0.071632	0.072141	0.05121	0.11826	0.071685
8	0.051602	0.051346	0.051862	0.036835	0.17013	0.051449
16	0.036911	0.036653	0.037174	0.026223	0.24224	0.036922
32	0.02612	0.025863	0.026385	0.018576	0.3432	0.026038
64	0.018699	0.018441	0.018969	0.013333	0.49267	0.018596
128	0.013531	0.013269	0.01381	0.0095715	0.70734	0.013653
256	0.0092922	0.0090401	0.0095667	0.0066607	0.98447	0.0090907
512	0.0074582	0.0071765	0.007776	0.0058133	1.7184	0.006701
1024	0.0078466	0.0074361	0.0083336	0.0067927	4.0159	0.0061662
2048	0.0099732	0.0092552	0.010889	0.0086509	10.229	0.0087034
4096	0.010398	0.0093757	0.011848	0.0083598	19.769	0.0099676
8192	0.010382	0.0089987	0.01269	0.0093278	44.117	0.0077985
16384	0.01418	0.011635	0.019744	0.012352	116.85	0.010729
32768	0.015412	0.011688	0.029718	0.014735	278.77	0.0014033

### Wideband Callisto eC107

Allan STD DEV



Produced by AlaVar 5.2

Figure 3 : Allan Standard Deviation