

# AlaVar generated report

C:\temp\Data\ec102\_LC050.dat

File 'C:\temp\Data\ec102\_LC050.dat' created on 13.11.2017 06:51:46

Column # 1 was processed

Data length N = 1130400 points.

The mean Value of the processed data = 67.9627

The Stanardr Deviation of the processed data = 0.301074

## AlaVar 5.2

### Data Values

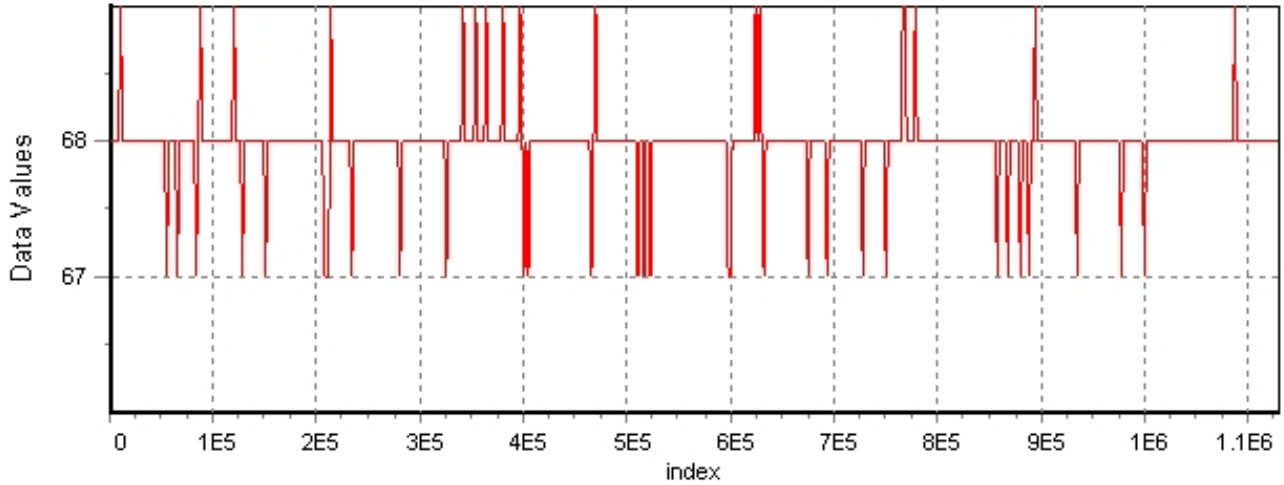


Figure 1 : Processed Data

## AlaVar 5.2

### PSD of Data

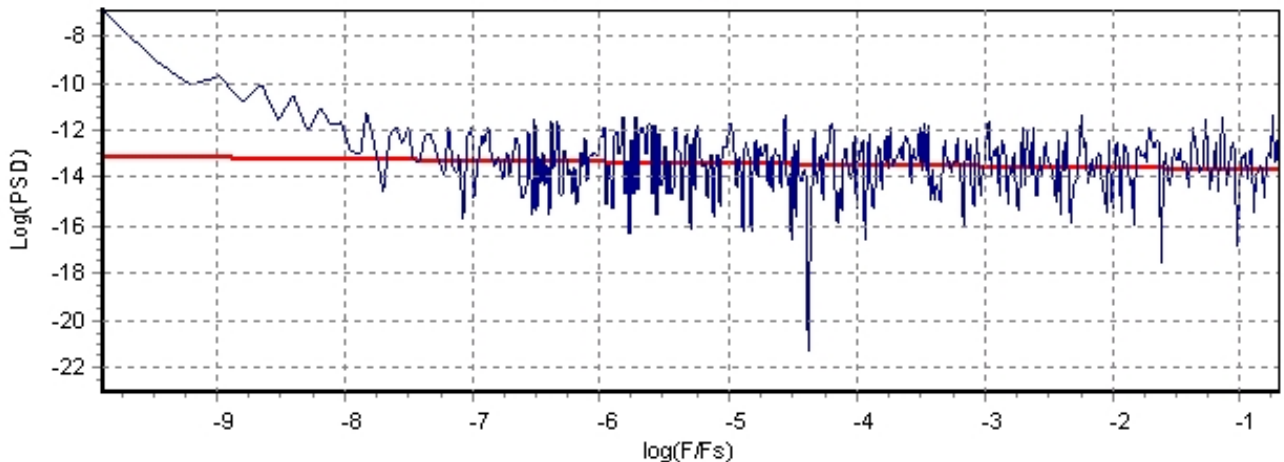


Figure 2 : Data PSD

The computation of the 3 ALLAN STD DEVS lasted 1.719000 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 =-0.494165  
 The fit result is ADEV(tau=1) = Stability =0.149664

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	0.30076	0.30051	0.301	0.30076	0.043411	0.30158
0.5	0.21097	0.21078	0.21116	0.16682	0.048157	0.21096
1	0.14919	0.14903	0.14936	0.10873	0.062778	0.1492
2	0.10557	0.10541	0.10574	0.075321	0.086973	0.1055
4	0.074912	0.074749	0.075075	0.053219	0.1229	0.074756
8	0.053548	0.053384	0.053714	0.038085	0.17591	0.05347
16	0.038003	0.037839	0.03817	0.026907	0.24855	0.038022
32	0.026781	0.026618	0.026947	0.018911	0.34938	0.026777
64	0.019029	0.018865	0.019196	0.013552	0.50076	0.018916
128	0.013871	0.013704	0.014045	0.010008	0.73963	0.01366
256	0.010632	0.010452	0.010822	0.0079359	1.1729	0.010267
512	0.0088	0.0085911	0.0090249	0.0068376	2.0212	0.0081539
1024	0.0081904	0.0079192	0.0084915	0.0066203	3.9139	0.0072829
2048	0.008627	0.0082305	0.009087	0.0072572	8.581	0.0066975
4096	0.009547	0.0089415	0.010295	0.0069452	16.424	0.0072913
8192	0.0089372	0.0081608	0.0099875	0.0069956	33.087	0.0067418
16384	0.0099254	0.0087536	0.011742	0.0079301	75.013	0.0067512
32768	0.010926	0.0091845	0.014279	0.0066802	126.38	0.0087433
65536	0.011021	0.0086562	0.017819	0.012417	469.82	0.0065366

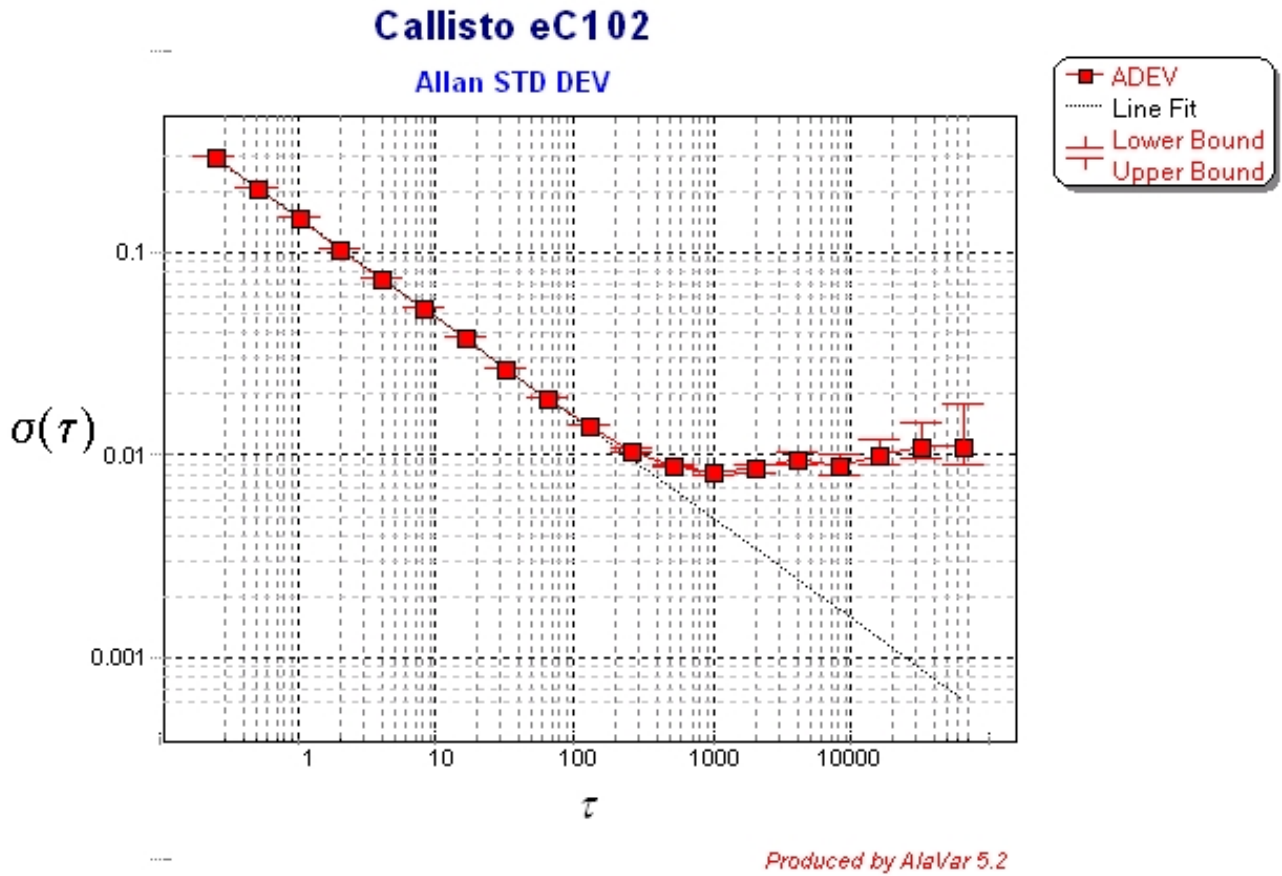


Figure 3 : Allan Standard Deviation