

AlaVar generated report

C:\Data\llec75.dat

File 'C:\Data\llec75.dat' created on 22.05.2013 09:37:40

Column # 1 was processed

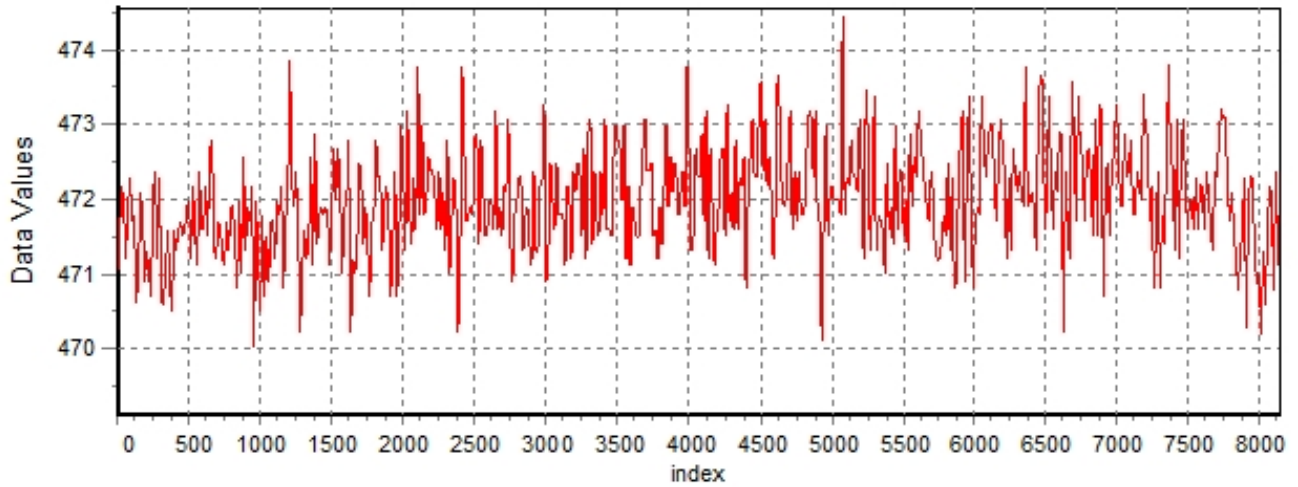
Data length N = 8144 points.

The mean Value of the processed data = 471.99

The Stanadrd Deviation of the processed data = 0.713817

AlaVar 5.2

Data Values

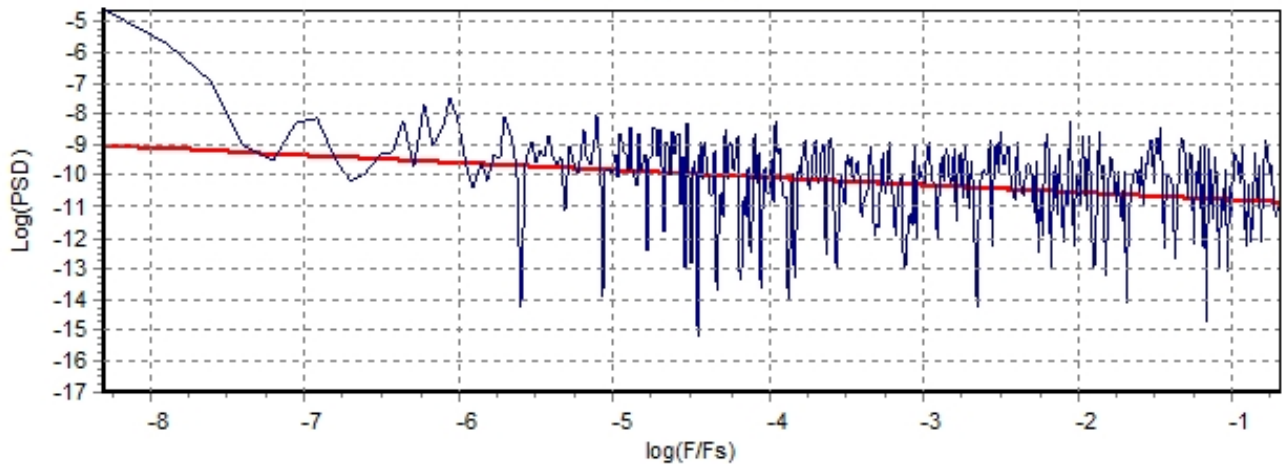


Produced by AlaVar 5.2

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 0.016000 seconds
 The error bars were computed for a : White FM
 The computation of the Error bars lasted 0.001 seconds

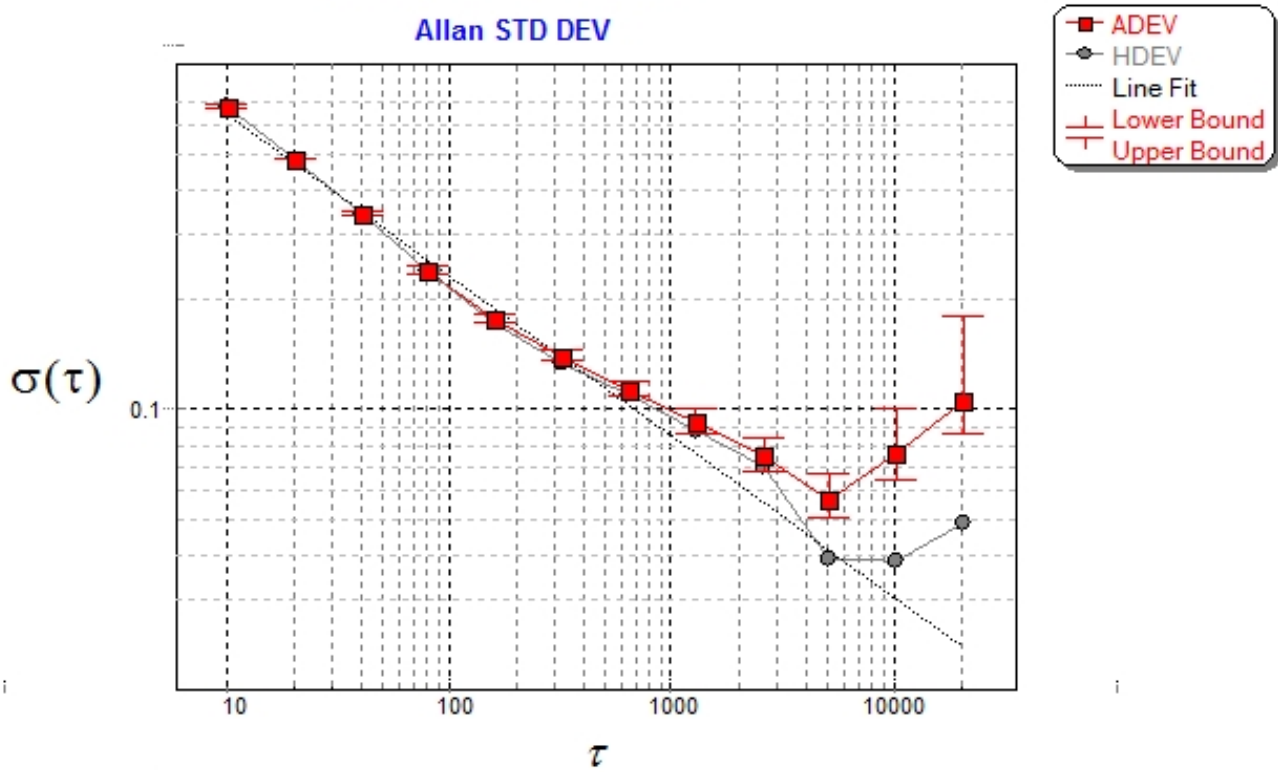
ADEV(tau) was fitted to a line :
 The Slope of the line is =-0.442323
 The fit result is ADEV(tau=1) = Stability =1.79294

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	0.68266	0.6762	0.68931	0.68266	3.9414	0.68264
20	0.4852	0.48024	0.49031	0.38504	4.446	0.48464
40	0.34538	0.34088	0.35007	0.25171	5.813	0.34634
80	0.24178	0.23747	0.24633	0.17259	7.9717	0.24067
160	0.17658	0.17221	0.1813	0.12852	11.872	0.17307
320	0.13918	0.13439	0.14453	0.10497	19.394	0.13435
640	0.11223	0.10687	0.11849	0.084303	31.15	0.1092
1280	0.092534	0.086443	0.10012	0.072122	53.299	0.087491
2560	0.074723	0.067992	0.083949	0.050653	74.866	0.069876
5120	0.056033	0.049179	0.066874	0.046631	137.84	0.038959
10240	0.075638	0.063156	0.1005	0.06438	380.62	0.038576
20480	0.10605	0.082493	0.17885	0.088079	1041.5	0.048918

Alan Variance eC75

Allan STD DEV



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Figure 3 : Allan Standard Deviation