

AlaVar generated report

F:\LC\lec76.dat

File 'F:\LC\lec76.dat' created on 25.04.2014 10:21:14

Column # 1 was processed

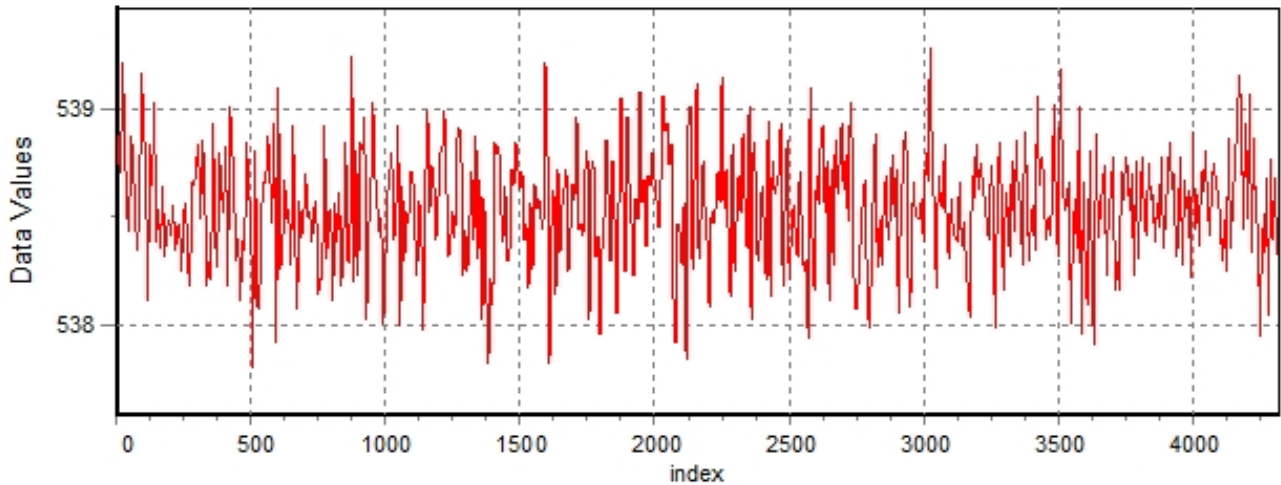
Data length N = 4320 points.

The mean Value of the processed data = 538.537

The Stanadrd Deviation of the processed data = 0.264726

AlaVar 5.2

Data Values

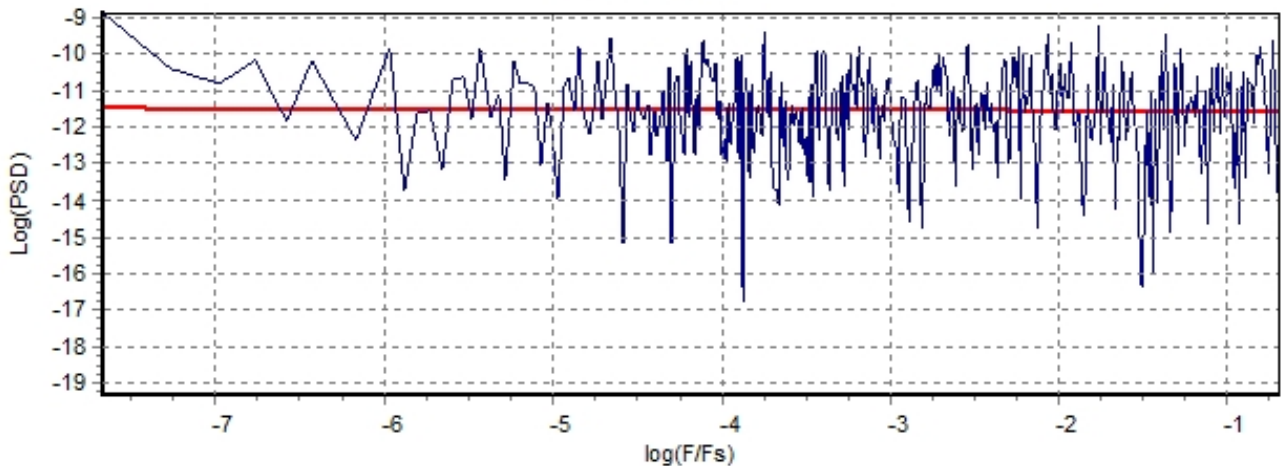


Produced by AlaVar 5.2

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 0.014000 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 Solpe of the line is =-0.489421
 The fit result is ADEV(tau=1) = Stability =1.13063

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	0.26294	0.25954	0.26648	0.26294	3.0362	0.26253
40	0.18682	0.18422	0.18954	0.14765	3.4098	0.1864
80	0.13414	0.13176	0.13666	0.098528	4.5508	0.13421
160	0.092976	0.090725	0.095404	0.065038	6.008	0.093523
320	0.064796	0.062623	0.067212	0.046322	8.5582	0.063603
640	0.048162	0.045924	0.050763	0.033919	12.533	0.048356
1280	0.034235	0.032041	0.03695	0.02467	18.231	0.034232
2560	0.024624	0.022464	0.027556	0.017657	26.098	0.024032
5120	0.018711	0.016481	0.022187	0.013535	40.011	0.018131
10240	0.012751	0.0107	0.016736	0.0082703	48.894	0.01179
20480	0.01213	0.0095029	0.019825	0.0095604	113.04	0.0078957

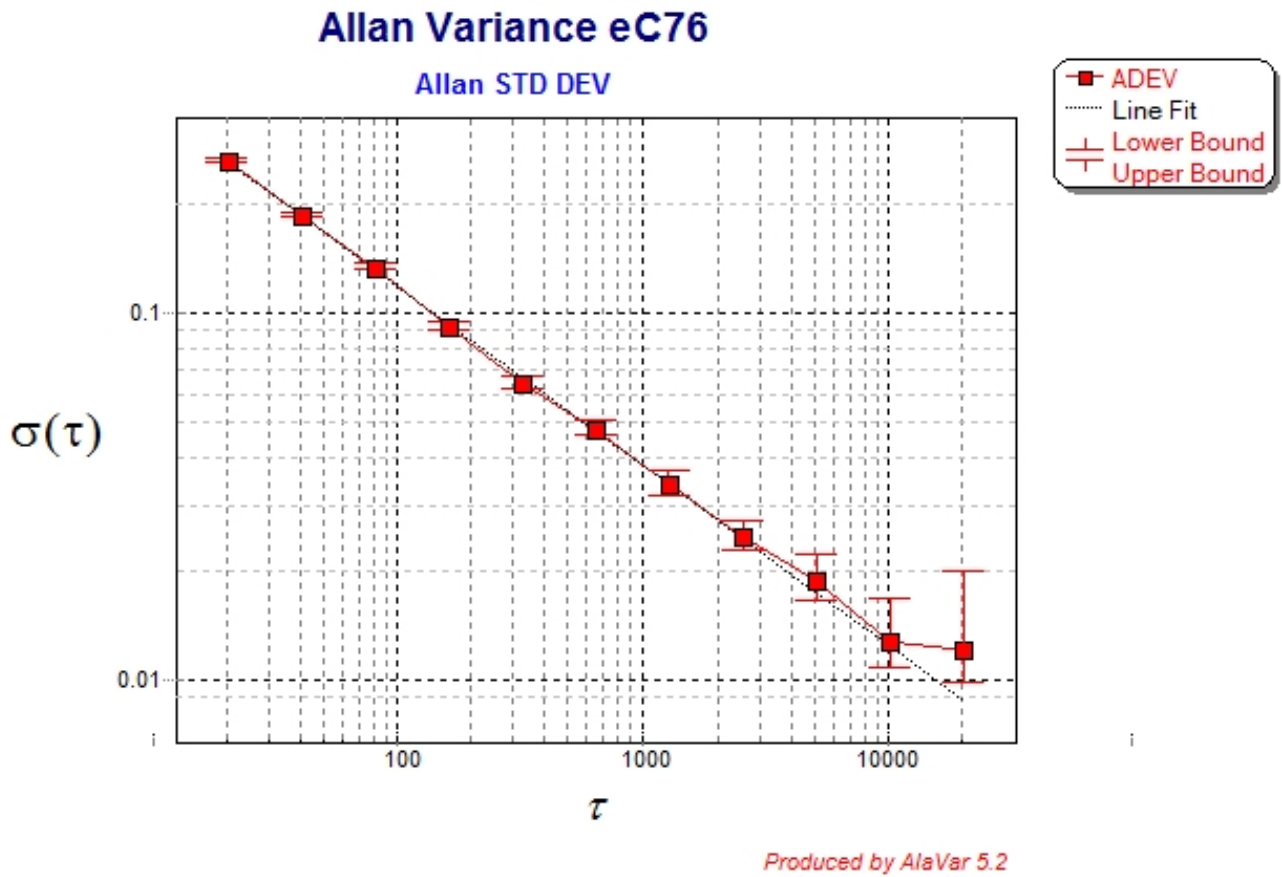


Figure 3 : Allan Standard Deviation