

AlaVar generated report

E:\allan\LC150EC099.dat

File 'E:\allan\LC150EC099.dat' created on 04.04.2017 07:45:00

Column # 1 was processed

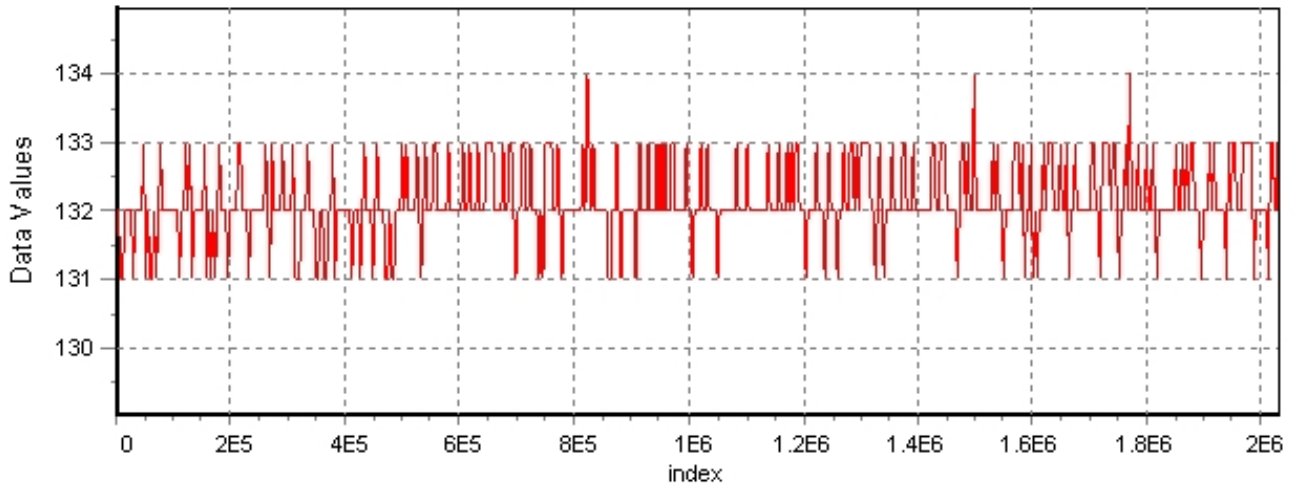
Data length N = 2032341 points.

The mean Value of the processed data = 132.159

The Stanadrd Deviation of the processed data = 0.611799

AlaVar 5.2

Data Values

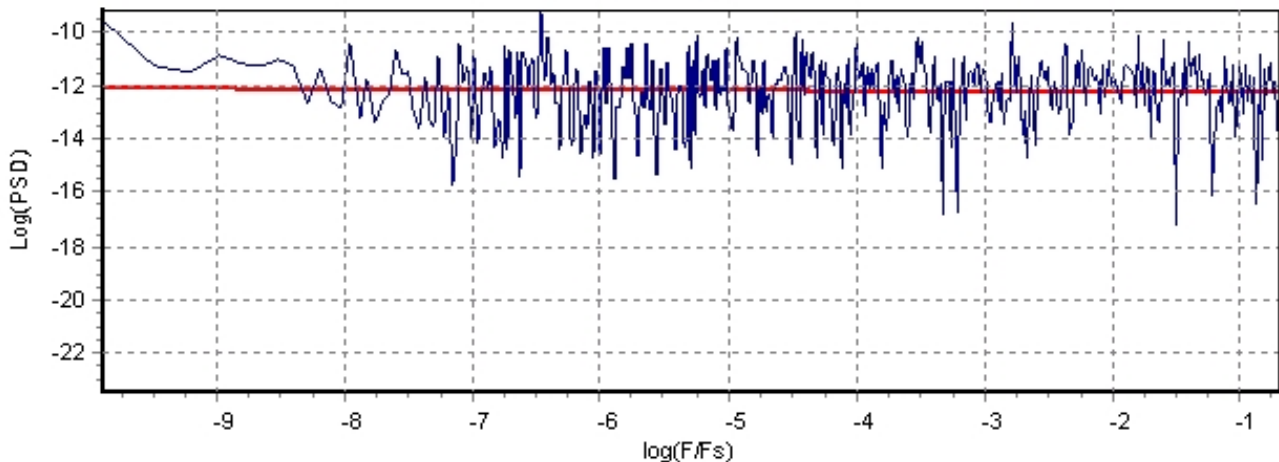


Produced by AlaVar 5.2

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 3.016000 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 =-0.499851
 The fit result is ADEV(tau=1) = Stability =0.303151

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	0.60576	0.60539	0.60613	0.60576	0.087434	0.60572
0.5	0.42873	0.42845	0.42901	0.33912	0.097895	0.42866
1	0.30323	0.30297	0.30348	0.22097	0.12758	0.30322
2	0.21452	0.21427	0.21477	0.15295	0.17661	0.21451
4	0.15166	0.15142	0.15191	0.10746	0.24816	0.15162
8	0.10733	0.10708	0.10758	0.075904	0.35058	0.10738
16	0.075817	0.075572	0.076064	0.053651	0.49561	0.075813
32	0.053548	0.053305	0.053796	0.037809	0.69853	0.053537
64	0.037925	0.037681	0.038173	0.026869	0.99283	0.037879
128	0.026858	0.026615	0.027108	0.018935	1.3993	0.026909
256	0.018796	0.018557	0.019044	0.013226	1.9548	0.018781
512	0.013498	0.013257	0.013753	0.0096874	2.8636	0.013397
1024	0.0099222	0.0096742	0.01019	0.0071313	4.2161	0.009891
2048	0.0071256	0.0068773	0.0074028	0.0052204	6.1727	0.0068019
4096	0.0061485	0.0058514	0.006496	0.0049906	11.802	0.0051525
8192	0.0075819	0.007077	0.0082129	0.0070573	33.378	0.0039078
16384	0.012769	0.011606	0.014371	0.011839	111.99	0.0040277
32768	0.020961	0.018369	0.025089	0.017047	322.51	0.0066574
65536	0.028554	0.02379	0.038149	0.022399	847.52	0.011112
1.3107e+05	0.044166	0.034246	0.075584	0.04215	3189.7	0.016372

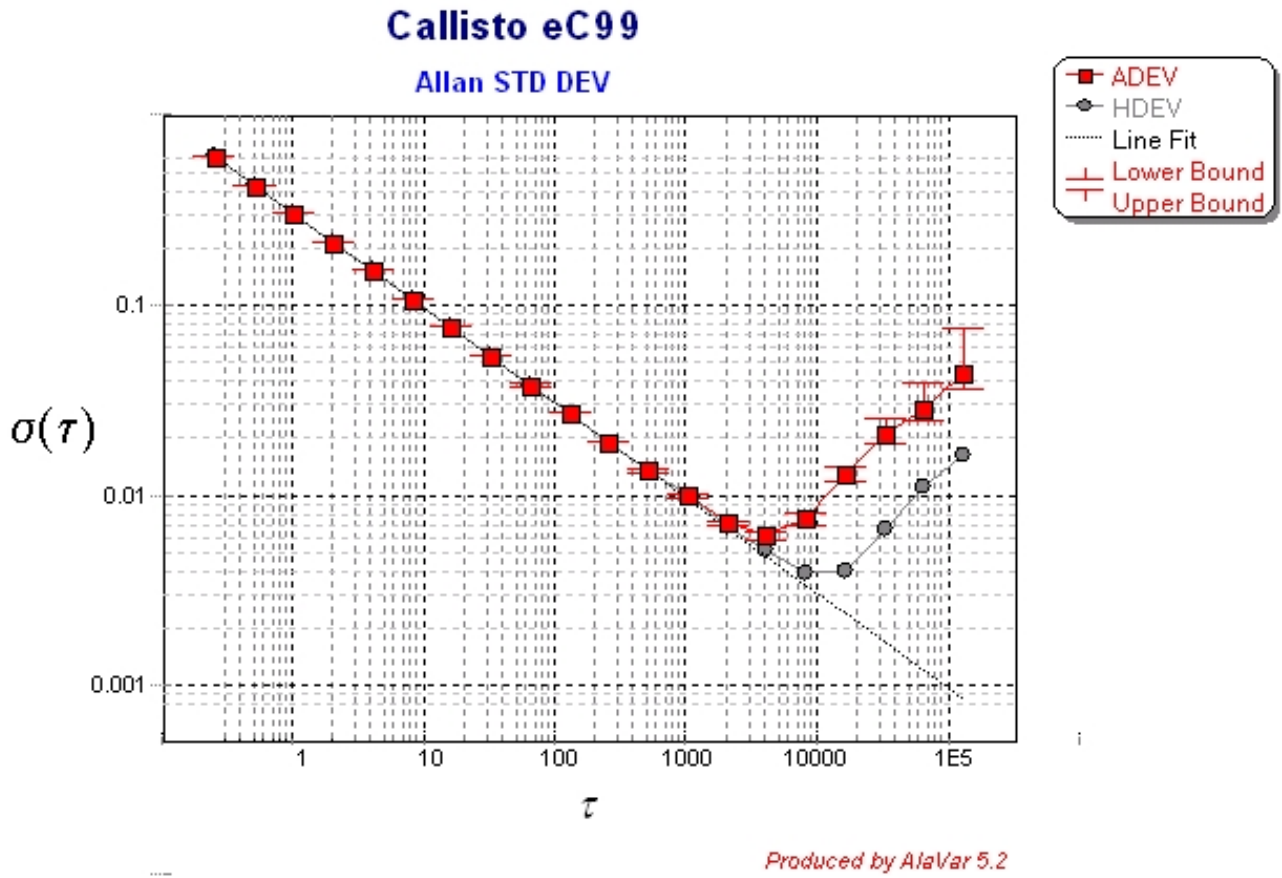


Figure 3 : Allan Standard Deviation