

AlaVar generated report

E:\callisto\Test\AllanVariancepix\LNA5000\dataentlog.prn

File 'E:\callisto\Test\AllanVariancepix\LNA5000\dataentlog.prn' created on 25.05.2004 09:13:54

Column # 1 was processed

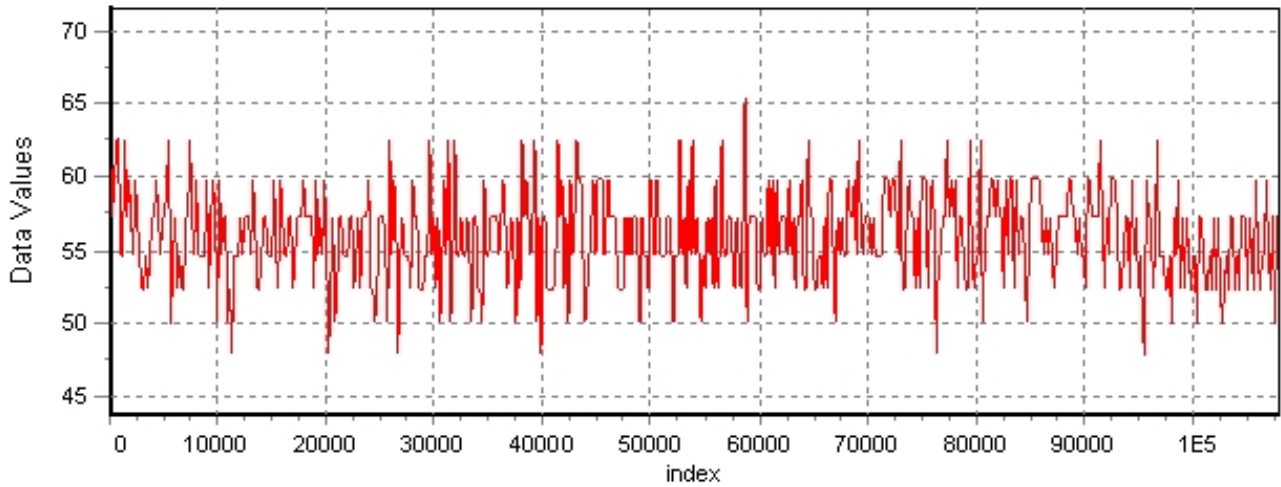
Data length N = 108000 points.

The mean Value of the processed data = 55.9279

The Stanadrd Deviation of the processed data = 3.13717

AlaVar 5.2

Data Values

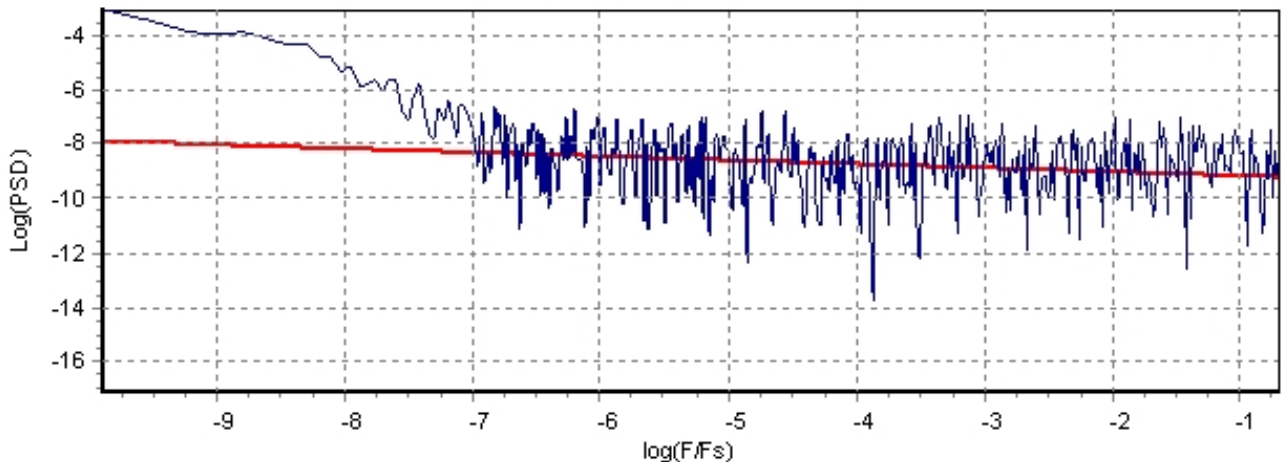


Produced by AlaVar 5.2

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 0.340000 seconds
 The error bars were computed for a : White FM
 The computation of the Error bars lasted 0 seconds

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
1	3.0897	3.0657	3.114	3.0897	1.7838	3.0868
2	2.1945	2.1761	2.2132	1.7361	2.0046	2.195
4	1.5525	1.5359	1.5695	1.1346	2.6203	1.5498
8	1.1068	1.0905	1.1235	0.79103	3.6536	1.1072
16	0.77906	0.76308	0.79566	0.54995	5.0802	0.78064
32	0.54648	0.53077	0.56305	0.38762	7.1614	0.54265
64	0.39832	0.3823	0.41559	0.28354	10.477	0.3991
128	0.27924	0.2636	0.29666	0.19739	14.587	0.27934
256	0.20029	0.18474	0.21839	0.14619	21.607	0.19478
512	0.16343	0.14598	0.18508	0.12592	37.224	0.13848
1024	0.1705	0.1457	0.20419	0.12284	72.622	0.10818
2048	0.15646	0.12583	0.20392	0.079616	94.139	0.10008
4096	0.1115	0.082549	0.16608	0.064246	151.93	0.06837
8192	0.11105	0.073381	0.20749	0.089495	423.28	0.057938
16384	0.16085	0.09054	0.46979	0.14839	1403.7	0.12254
32768	0.2443	0.10723	2.4588	0.23766	4496.2	0.16922

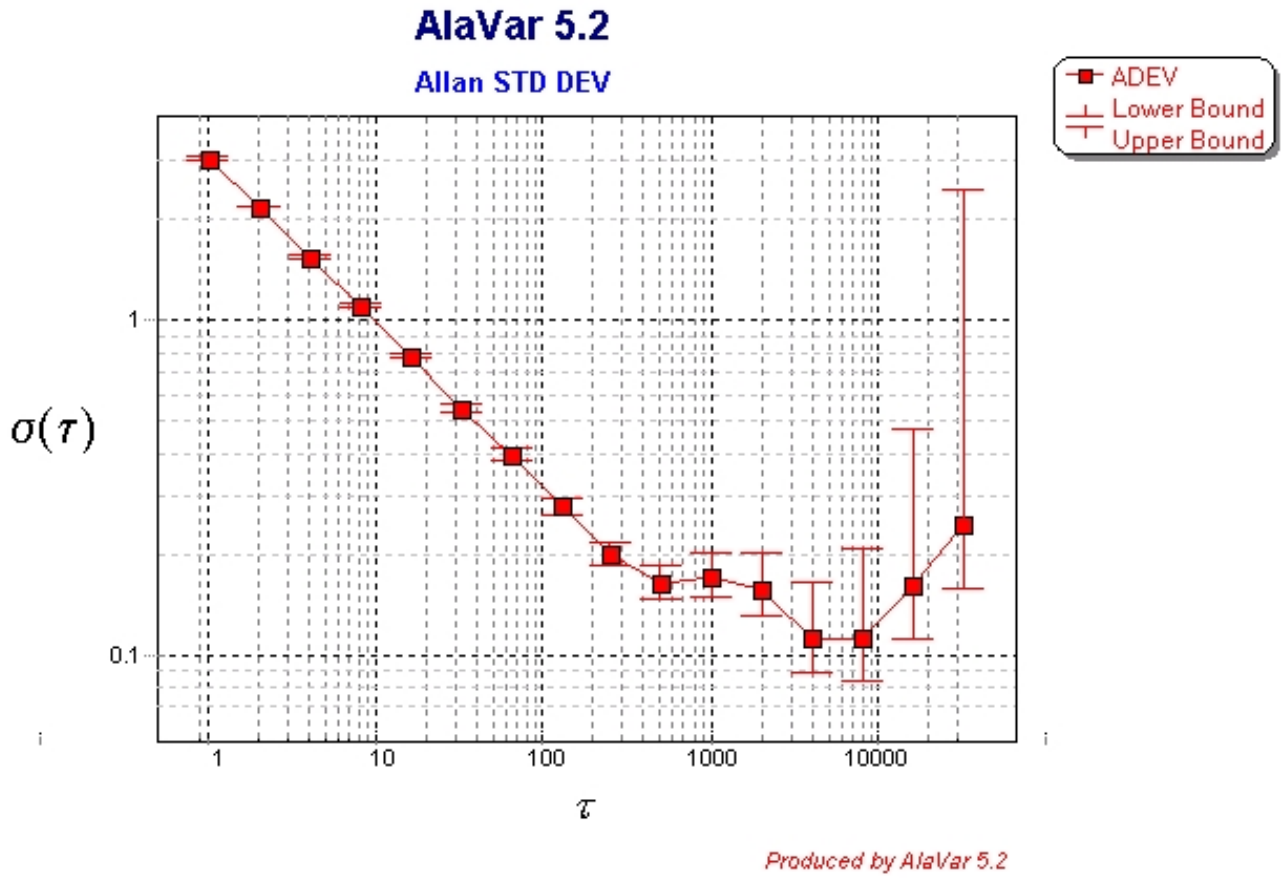


Figure 3 : Allan Standard Deviation