

AlaVar generated report

C:\Tools\eclipse\workspace\Autopilot\0910_ADXRS150.dat

File 'C:\Tools\eclipse\workspace\Autopilot\0910_ADXRS150.dat' created on 2004/09/14 14:08:52

Column # 1 was processed

Data length N = 360000 points.

The mean Value of the processed data = 2.46453

The Stanadrd Deviation of the processed data = 0.00274999

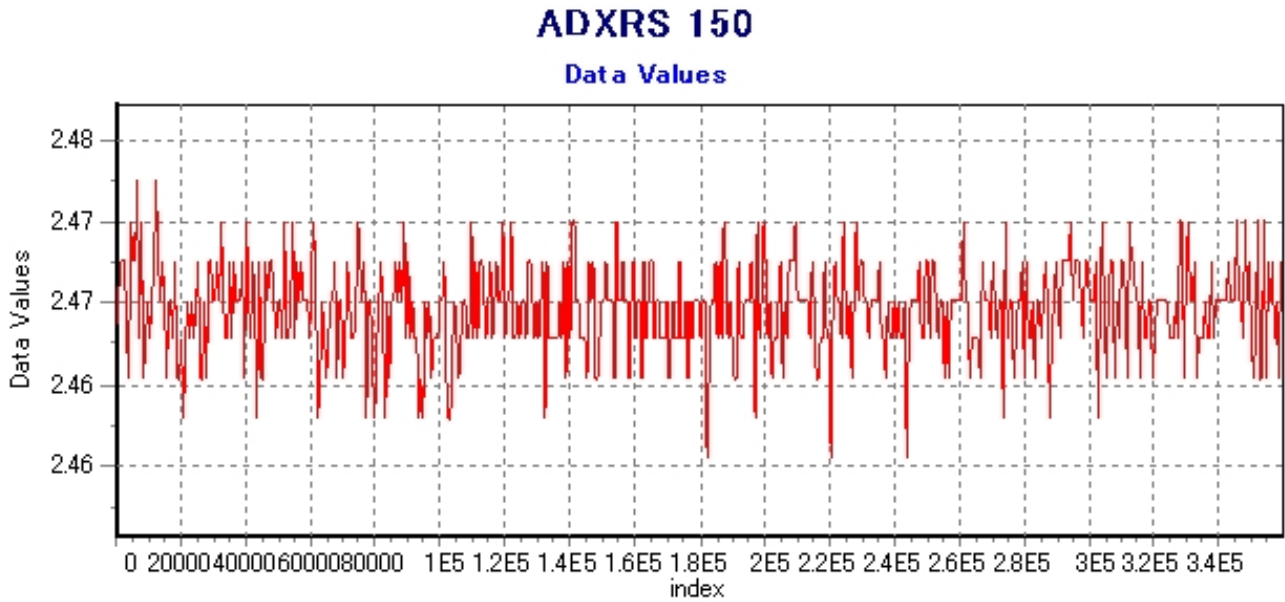


Figure 1 : Processed Data

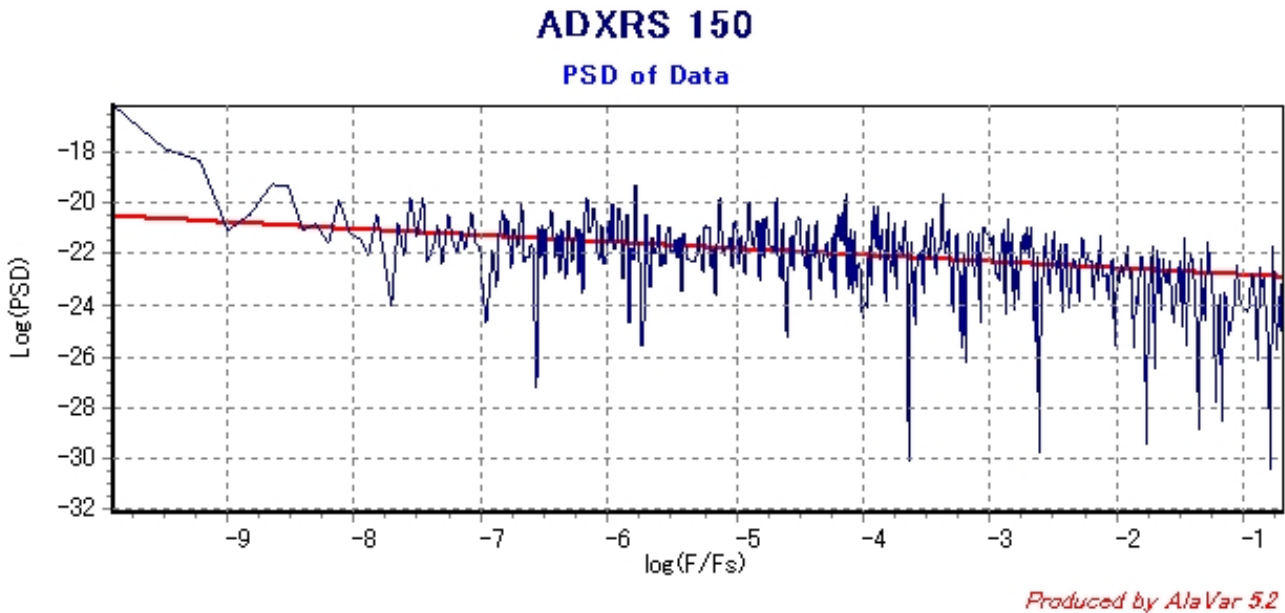


Figure 2 : Data PSD

The computation of the 3 ALLAN STD DEVS lasted 1.252000 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 =-0.438498
 The fit result is ADEV(tau=1) = Stability =0.000476415

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
0.01	0.0020102	0.0020073	0.0020131	0.0020102	1.1606e-05	0.0018863
0.02	0.0018218	0.001819	0.0018247	0.0015381	1.776e-05	0.001695
0.04	0.0016598	0.0016565	0.0016631	0.0013238	3.0571e-05	0.001582
0.08	0.0014017	0.0013978	0.0014055	0.0010758	4.969e-05	0.0013715
0.16	0.0010819	0.0010778	0.0010861	0.00080626	7.4479e-05	0.0010705
0.32	0.00080176	0.00079743	0.00080617	0.00058633	0.00010833	0.00079664
0.64	0.00058325	0.00057881	0.0005878	0.00042204	0.00015594	0.00057864
1.28	0.00042842	0.00042383	0.00043317	0.00030972	0.00022888	0.00042708
2.56	0.00030912	0.00030446	0.000314	0.00022354	0.00033039	0.00030512
5.12	0.00023339	0.00022846	0.00023865	0.00017202	0.0005085	0.00022787
10.24	0.00018423	0.0001788	0.00019019	0.00013941	0.00082421	0.00017512
20.48	0.00016541	0.00015863	0.00017315	0.00013511	0.0015975	0.00013937
40.96	0.00019381	0.00018282	0.00020706	0.0001741	0.0041172	0.00013134
81.92	0.00028559	0.00026334	0.00031462	0.00026166	0.012376	0.00017885
163.84	0.00041219	0.00036843	0.00047645	0.00036016	0.034069	0.00036897
327.68	0.00038051	0.00032587	0.0004768	0.00025239	0.047749	0.00042842
655.36	0.00015464	0.00012473	0.00022681	6.6904e-05	0.025315	0.00012293

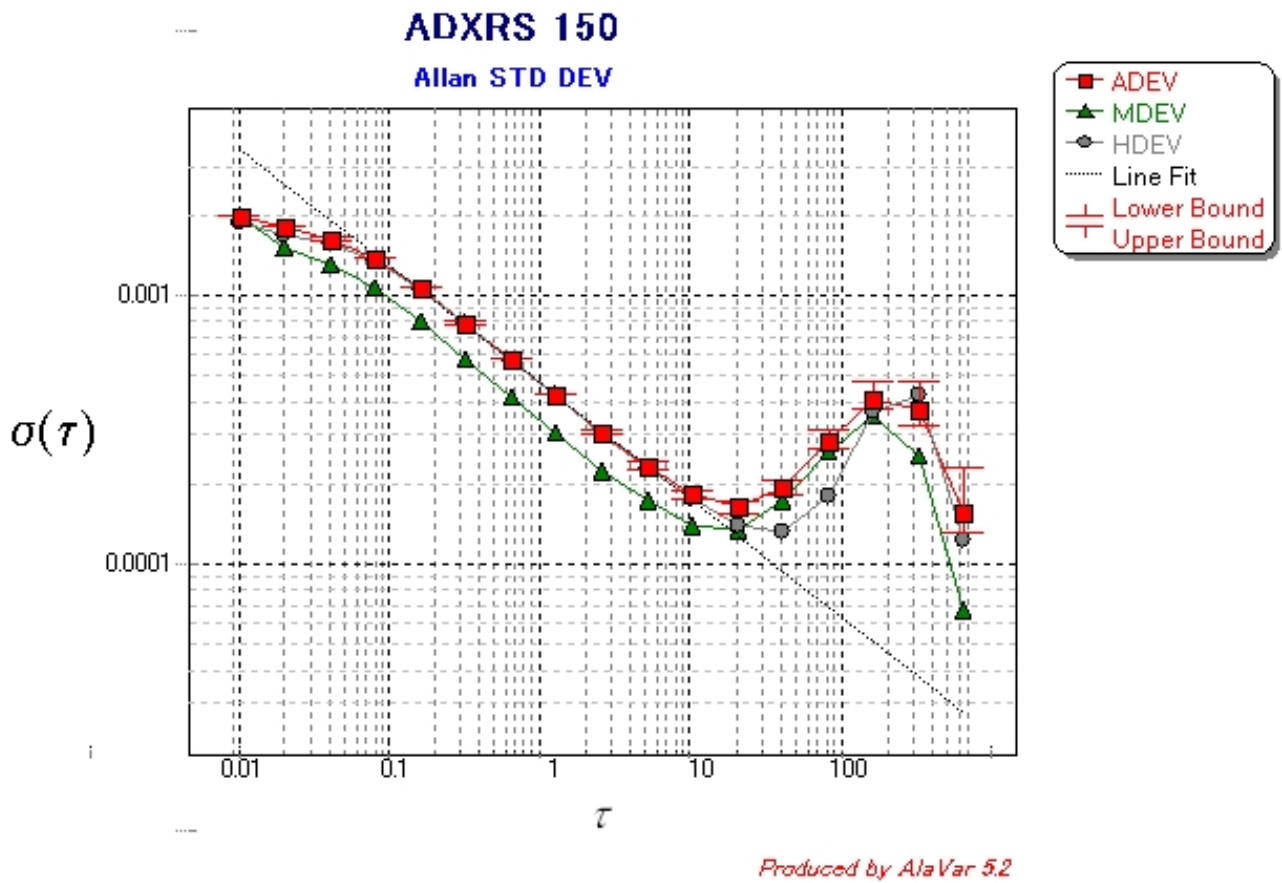


Figure 3 : Allan Standard Deviation