

AlaVar generated report

C:\Tools\eclipse\workspace\Autopilot\sim2.dat

File 'C:\Tools\eclipse\workspace\Autopilot\sim2.dat' created on 2004/09/21 0:07:16

Column # 1 was processed

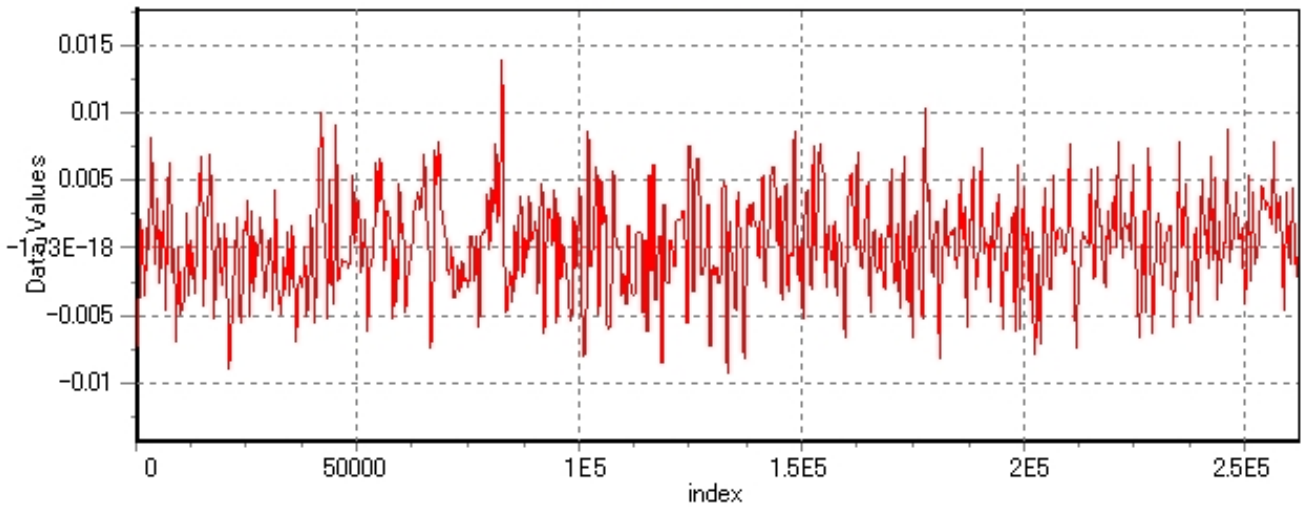
Data length N = 262144 points.

The mean Value of the processed data = $-4.71687e-05$

The Stanardr Deviation of the processed data = 0.00362994

ADXRS 150 (sim)

Data Values

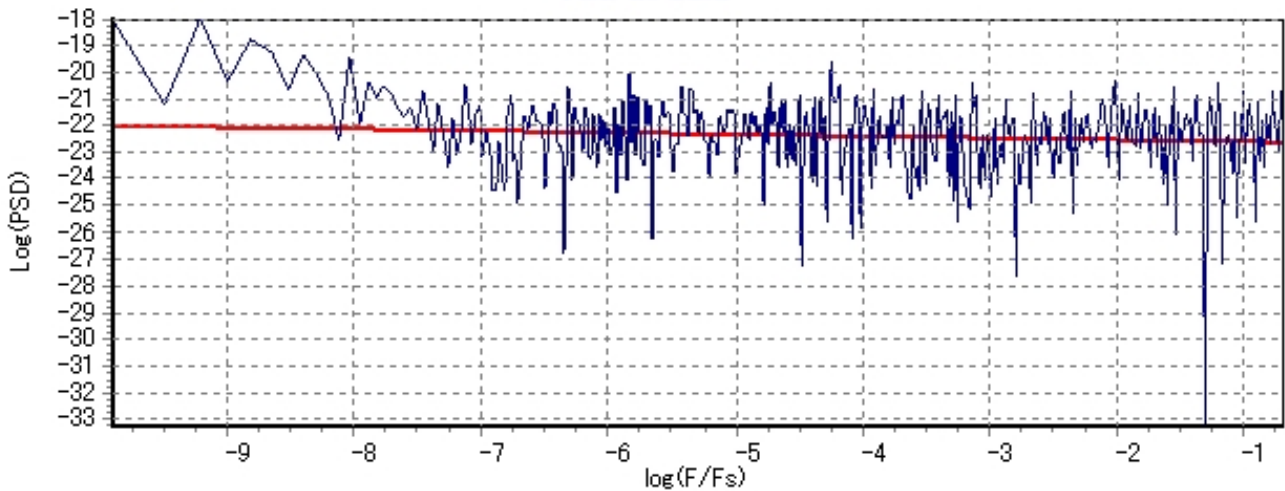


Produced by AlaVar 5.2

Figure 1 : Processed Data

ADXRS 150 (sim)

PSD of Data



Produced by AlaVar 5.2

Figure 2 : Data PSD

The computation of the 3 ALLAN STD DEVs lasted 0.852000 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 Slope of the line is =-0.461565
 The fit result is ADEV(tau=1) = Stability =0.000380549

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	0.0035828	0.0035767	0.0035888	0.0035828	2.0685e-05	0.0035816
0.02	0.002534	0.0025294	0.0025386	0.002002	2.3117e-05	0.0025354
0.04	0.0017898	0.0017856	0.001794	0.0013054	3.0147e-05	0.0017883
0.08	0.0012698	0.0012657	0.0012739	0.00090556	4.1826e-05	0.0012698
0.16	0.00089712	0.00089309	0.00090121	0.00063541	5.8696e-05	0.0008974
0.32	0.00063233	0.00062833	0.0006364	0.000447	8.2583e-05	0.00063115
0.64	0.00045213	0.0004481	0.00045627	0.00032257	0.00011919	0.00044946
1.28	0.00032723	0.00032313	0.00033149	0.0002331	0.00017226	0.0003265
2.56	0.00023542	0.00023128	0.00023979	0.00017148	0.00025344	0.00022813
5.12	0.00019481	0.00019002	0.00019999	0.00015271	0.00045143	0.00017761
10.24	0.00019231	0.00018571	0.00019967	0.00015918	0.00094108	0.00016553
20.48	0.00021463	0.00020441	0.00022655	0.00018565	0.0021951	0.00017124
40.96	0.00027068	0.00025291	0.0002928	0.00024235	0.0057312	0.00020539
81.92	0.00035131	0.00031975	0.00039453	0.00029744	0.014068	0.00030494
163.84	0.00036003	0.00031611	0.00042941	0.00027163	0.025694	0.00035811
327.68	0.00026425	0.00022075	0.00035066	0.00019976	0.037791	0.00025084
655.36	0.00022915	0.00017837	0.0003852	0.0001506	0.056981	0.00024272

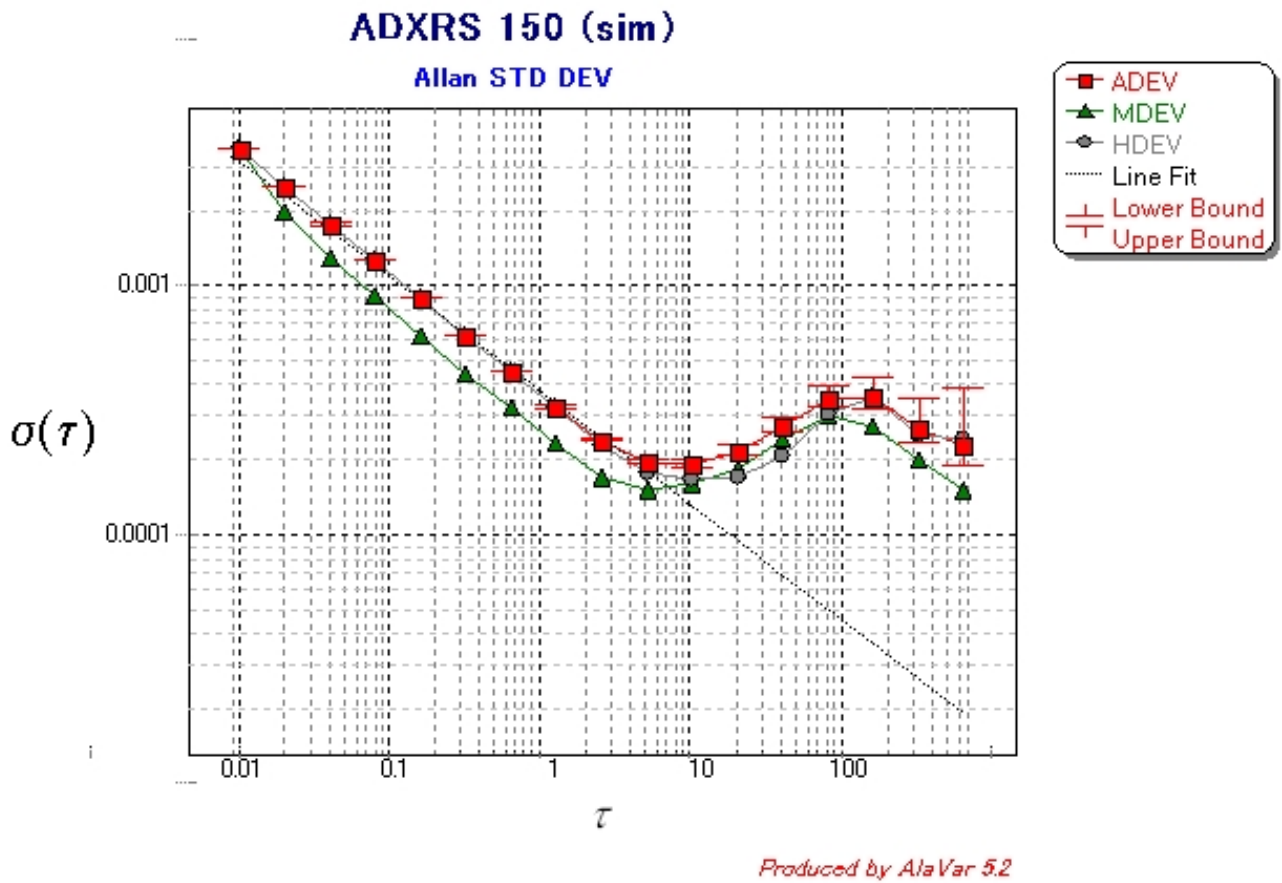


Figure 3 : Allan Standard Deviation