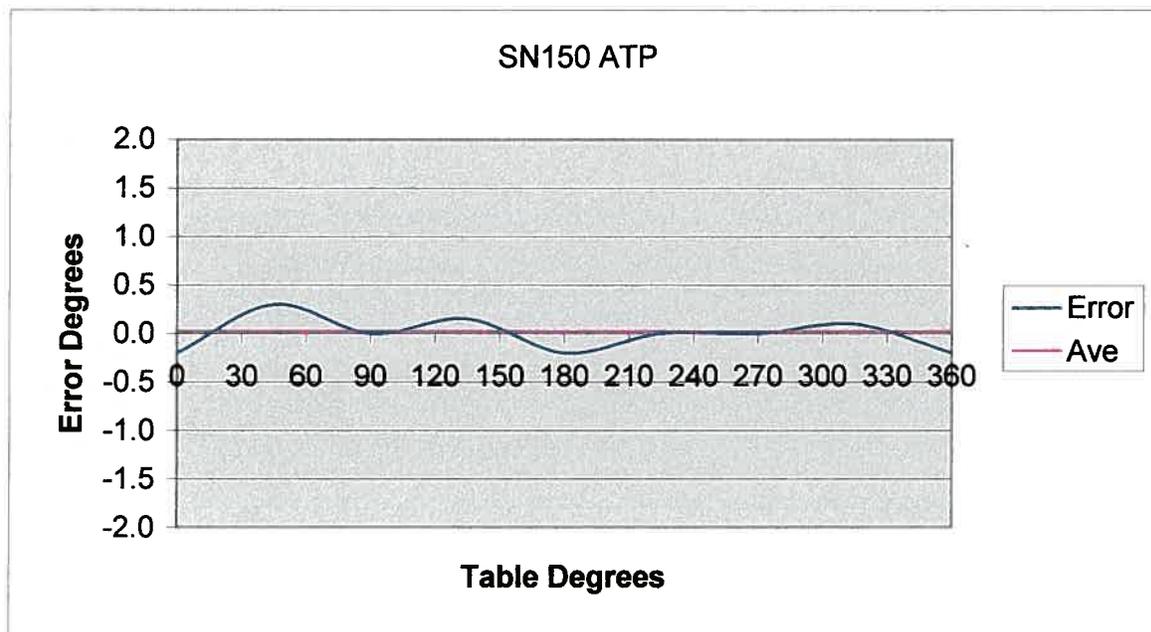


Table Position degrees from N	Heading AHS °	Error degrees	Average degrees
0	-0.2	-0.2	0.02
45	45.3	0.3	0.02
90	90.0	0.0	0.02
135	135.2	0.2	0.02
180	179.8	-0.2	0.02
225	225.0	0.0	0.02
270	270.0	0.0	0.02
315	315.1	0.1	0.02
360		-0.20	0.02
ave err =		0.02	





LMRK30AHR5-175-10-200
Rate Spin Test

Test	gyroX	gyroY	gyroZ	accelX	accelY	accelZ	temp X
PX	7198.681	-13.718	0.216	-0.452	-0.1495	-1.556	2613.51
NX	-7202.034	5.995	-0.056	-0.3955	-0.4915	-1.568	2615.54
Diff/2	7200.358	-9.8565	0.136	-0.02825	0.171	0.006	-1.015
Ave	-1.6765	-3.8615	0.08	-0.42375	-0.3205	-1.562	2614.525
PY	-2.81	7199.174	0.366	-2.5355	0.304	-1.7655	2597.499
NY	-3.566	-7200.546	-0.358	-2.2245	0.189	-2.076	2599.204
Diff/2	0.378	7199.86	0.362	-0.1555	0.0575	0.15525	-0.8525
Ave	-3.188	-0.686	0.004	-2.38	0.2465	-1.92075	2598.352
PZ	-3.365	-3.17	7199.51	-4.0605	0.018	1.131	2578.936
NZ	-2.839	-3.085	-7200.351	-4.421	-0.2855	1.203	2581.217
Diff/2	-0.263	-0.0425	7199.931	0.18025	0.15175	-0.036	-1.1405
Ave	-3.102	-3.1275	-0.4205	-4.24075	-0.13375	1.167	2580.077
RSF Norm	1.00005	0.999981	0.99999				Temp °C 25.98

Gyro Mis-Align deg/sec				Input Rate
x		0.00	0.00	x
y	-0.10		0.00	y
z	0.00	0.00		z

Gyro Mis-align mrad				Input Rate
x		0.05	-0.04	x
y	-1.37		-0.01	y
z	0.02	0.05		z

Accepted by:





LMRK30AHS-175-10-200
Accelerometer Tumble Test

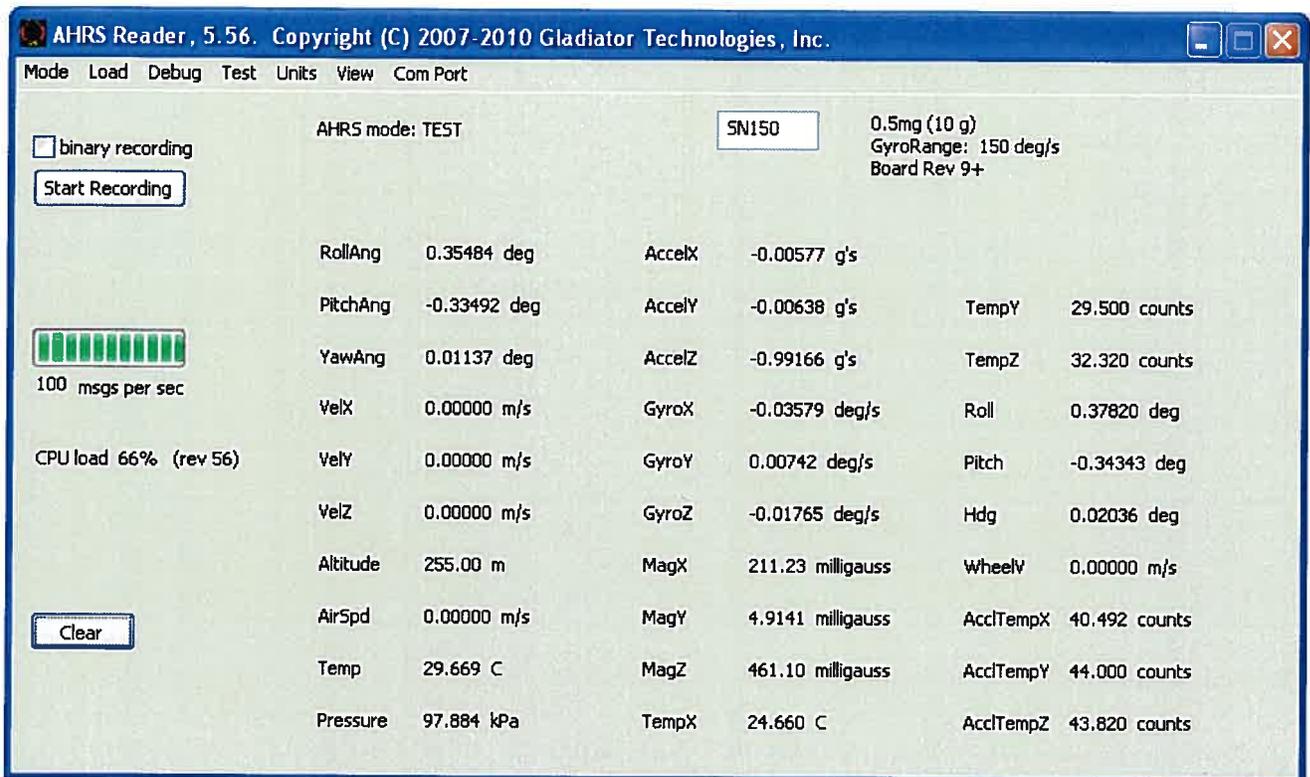
Test	gyroX	gyroY	gyroZ	accelX	accelY	accelZ	temp X
PX	0.854	0.965	0.752	997.3385	0.424	-0.197	2595.944
NX	-0.239	0.351	0.437	-1002.909	0.2425	0.1365	2595.399
Diff/2	0.5465	0.307	0.1575	1000.124	0.09075	-0.16675	0.2725
Ave	0.3075	0.658	0.5945	-2.78525	0.33325	-0.03025	2595.672
PY	0.137	0.829	0.245	1.2285	999.9255	0.0235	2608.777
NY	0.924	0.052	0.24	-1.5465	-1000.011	-0.398	2611.895
Diff/2	-0.3935	0.3885	0.0025	1.3875	999.9683	0.21075	-1.559
Ave	0.5305	0.4405	0.2425	-0.159	-0.04275	-0.18725	2610.336
PZ	0.991	0.542	-0.179	-0.1065	-1.007	1000.543	2610.976
NZ	0.385	0.561	0.385	-0.1905	-0.3235	-999.877	2607.173
Diff/2	0.303	-0.0095	-0.282	0.042	-0.34175	1000.21	1.9015
Ave	0.688	0.5515	0.103	-0.1485	-0.66525	0.333	2609.075
Bias %/s,mg	0.005	0.006	0.003	-0.15	-0.17	-0.11	26.05
ASF Norm				1.0001	1.0000	1.0002	Temp °C

Gyro %/s /g	Input g =			Accel In g's
x	0.005	-0.004	0.003	x
y	0.003	0.004	0.000	y
z	0.002	0.000	-0.003	z

Accel Mis-Align	mrad	Accel In
1.39	0.04	x
0.09	-0.34	y
-0.17	0.21	z

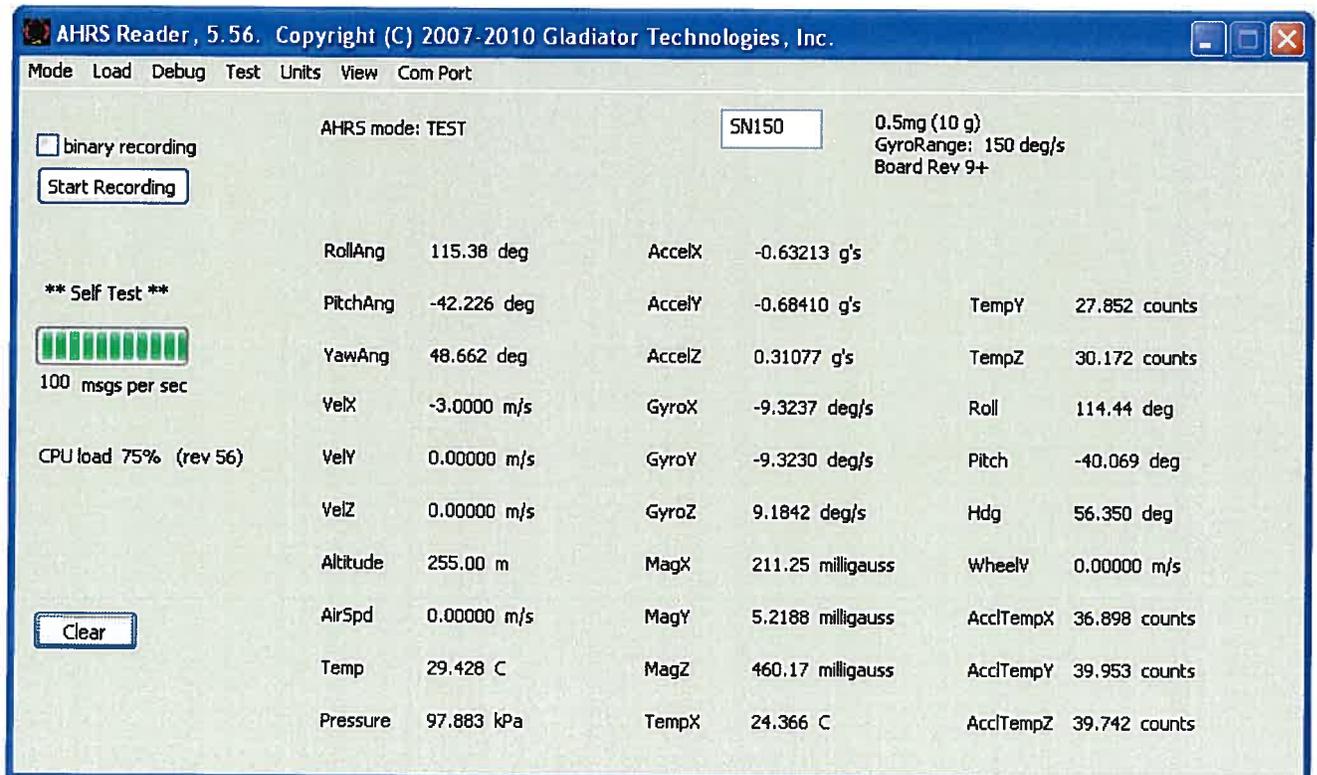
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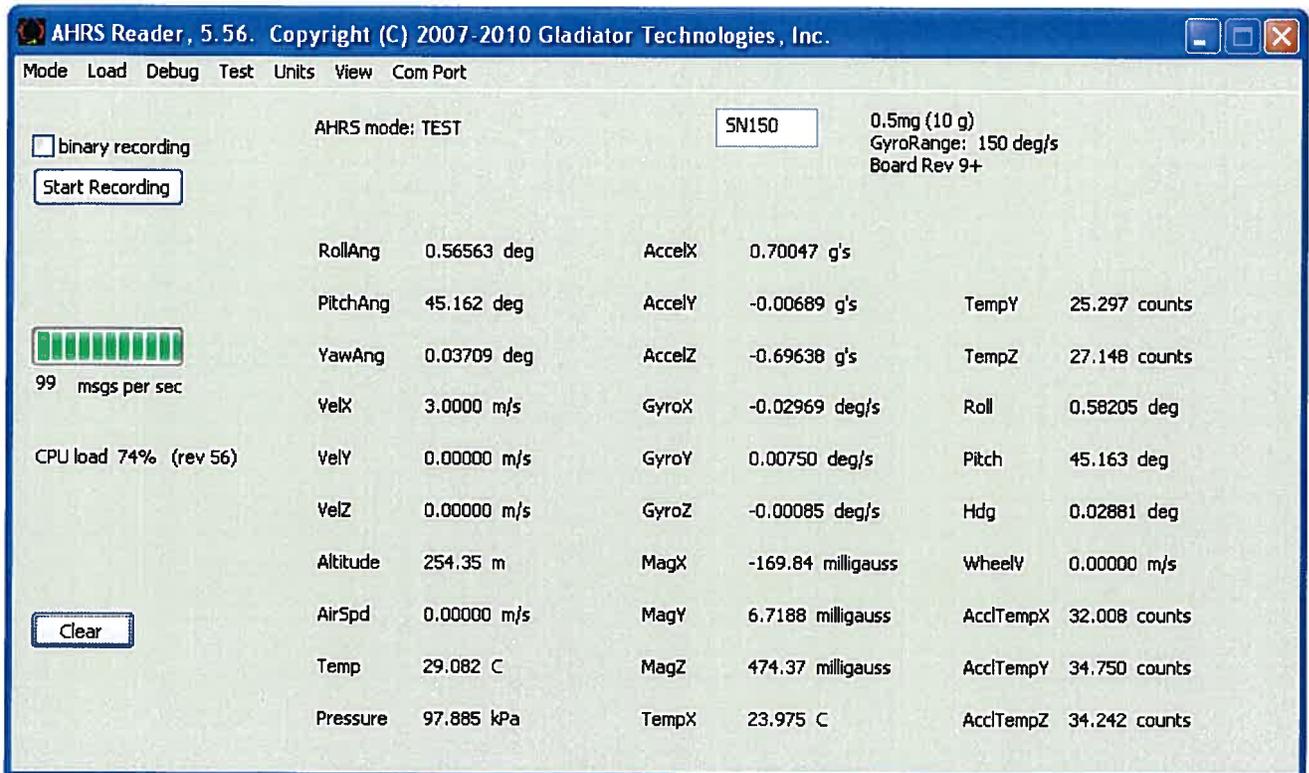




Initial Bench Readout (above)

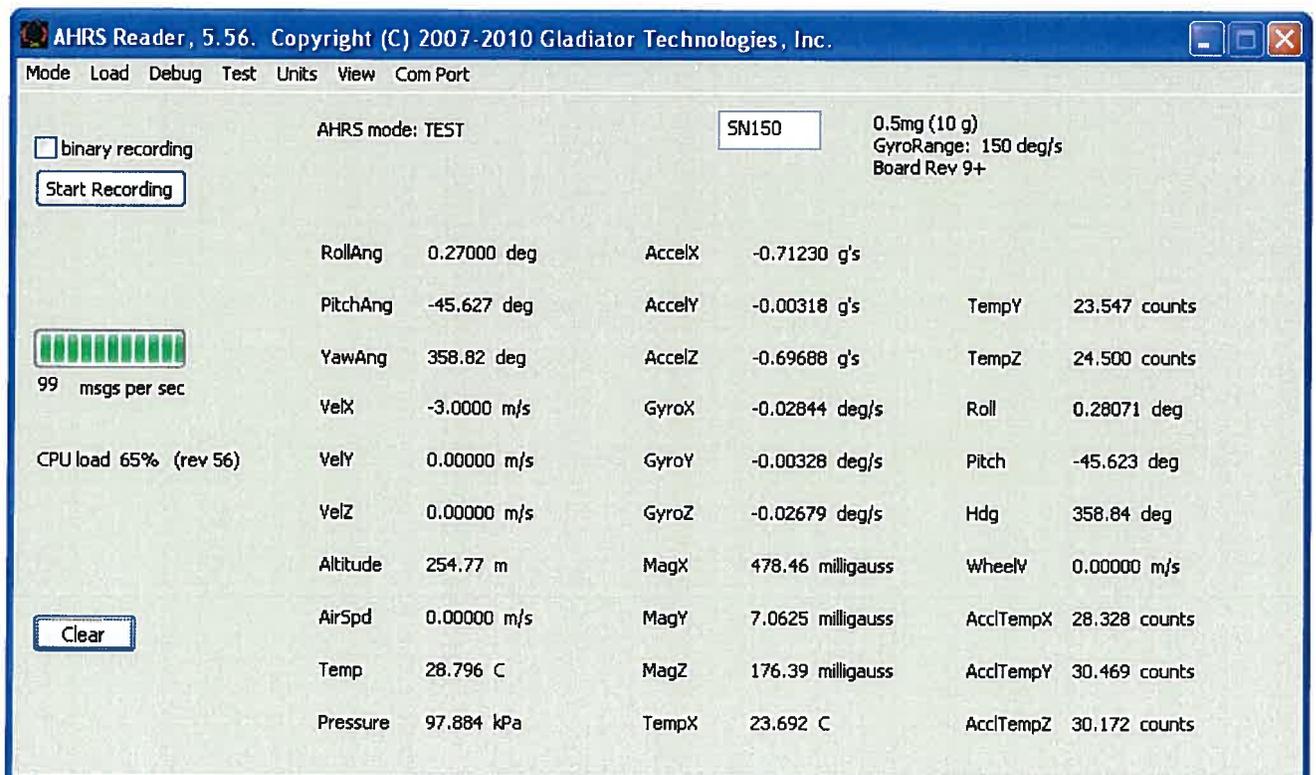
Self Test (below)

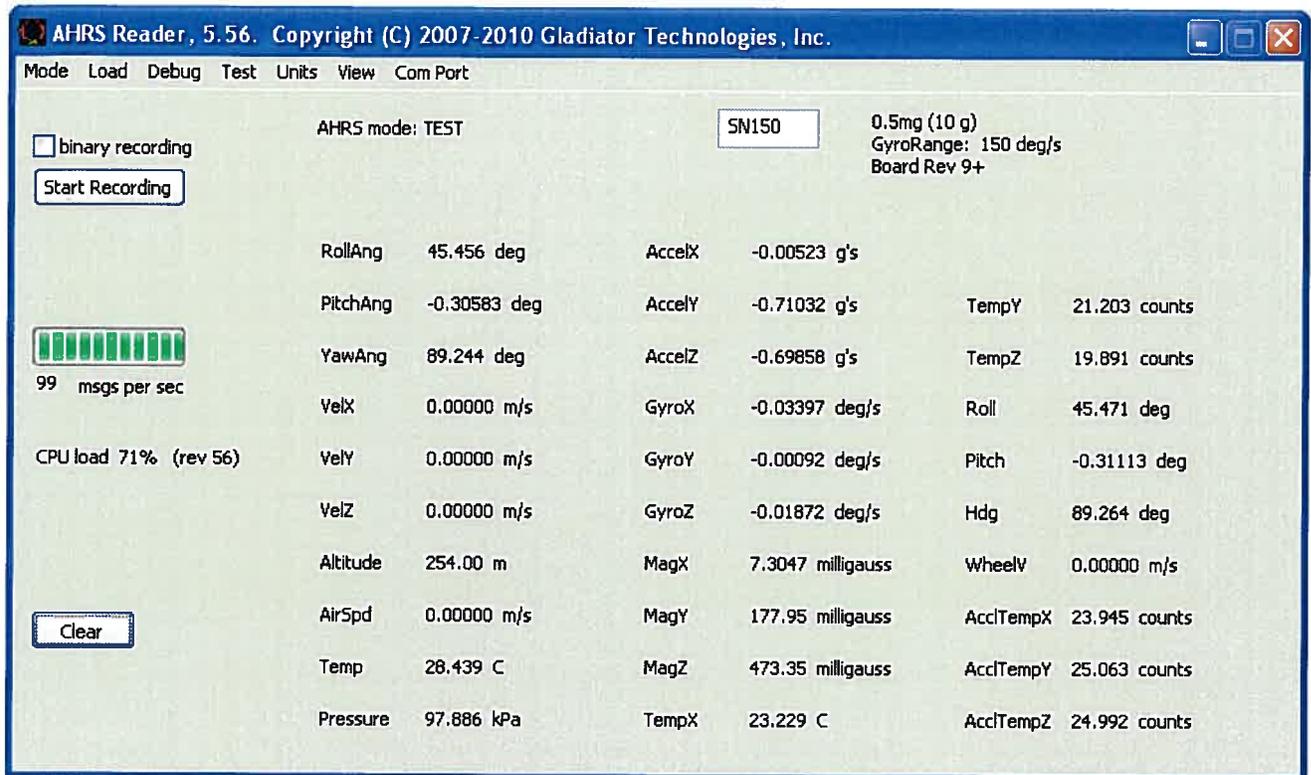




Pitch Up 45° (above)

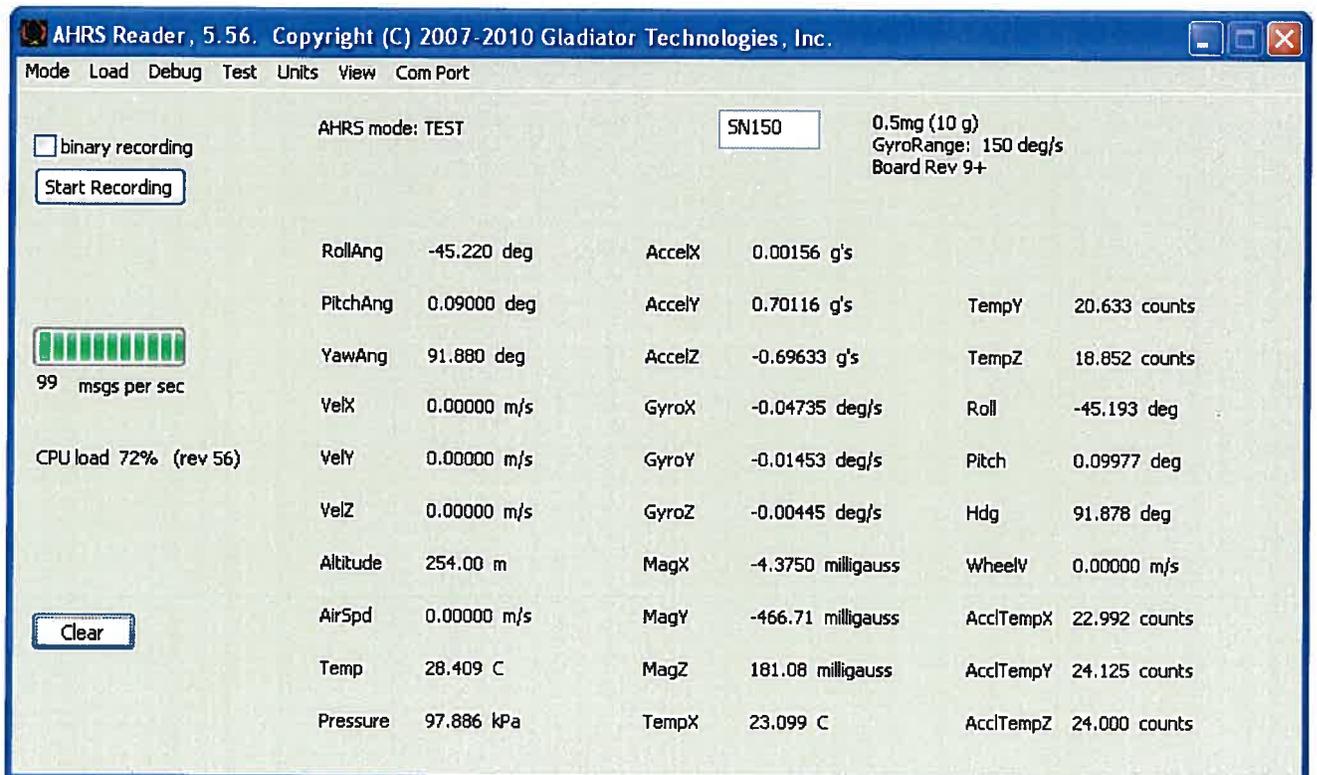
Pitch Down 45° (below)

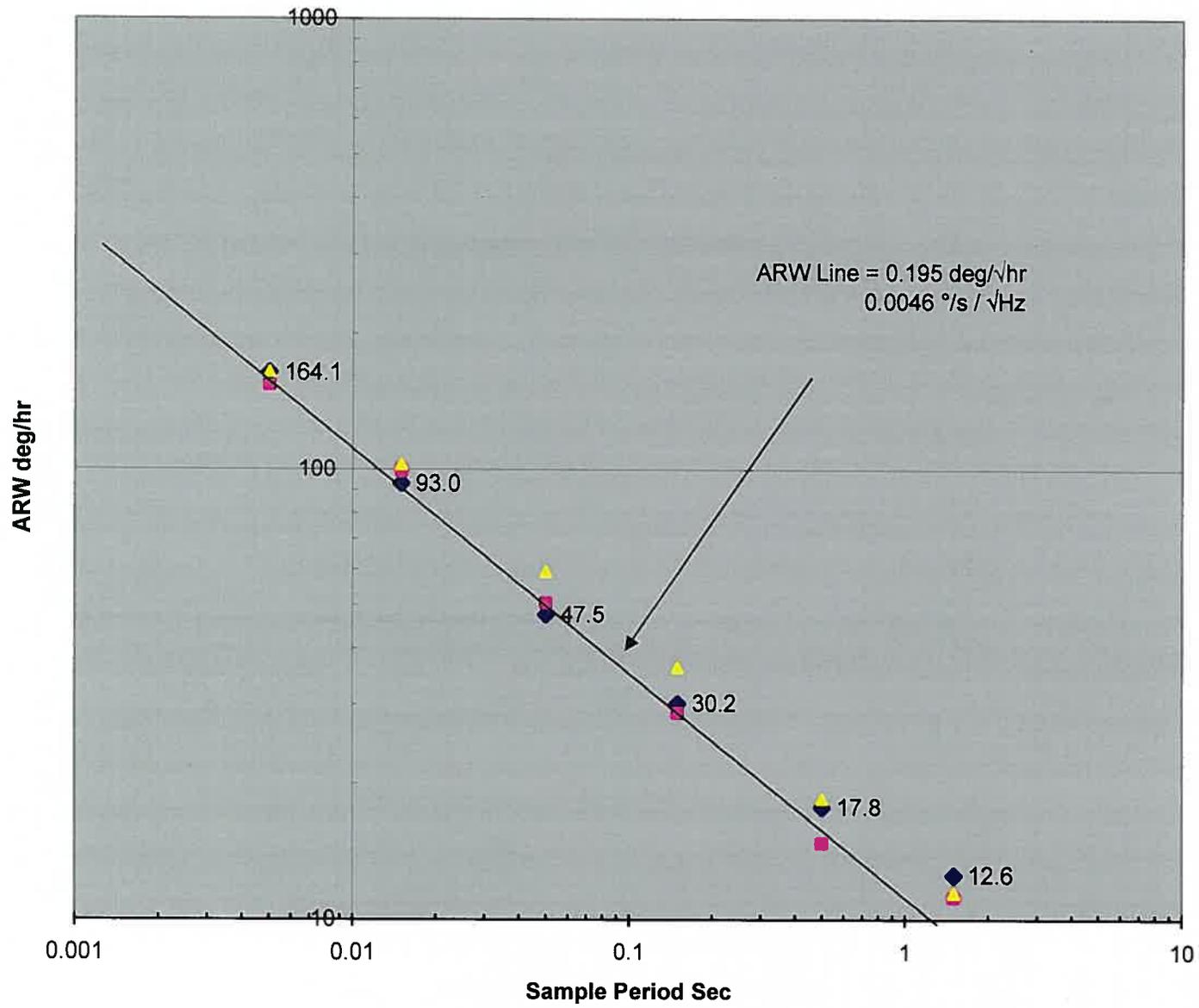




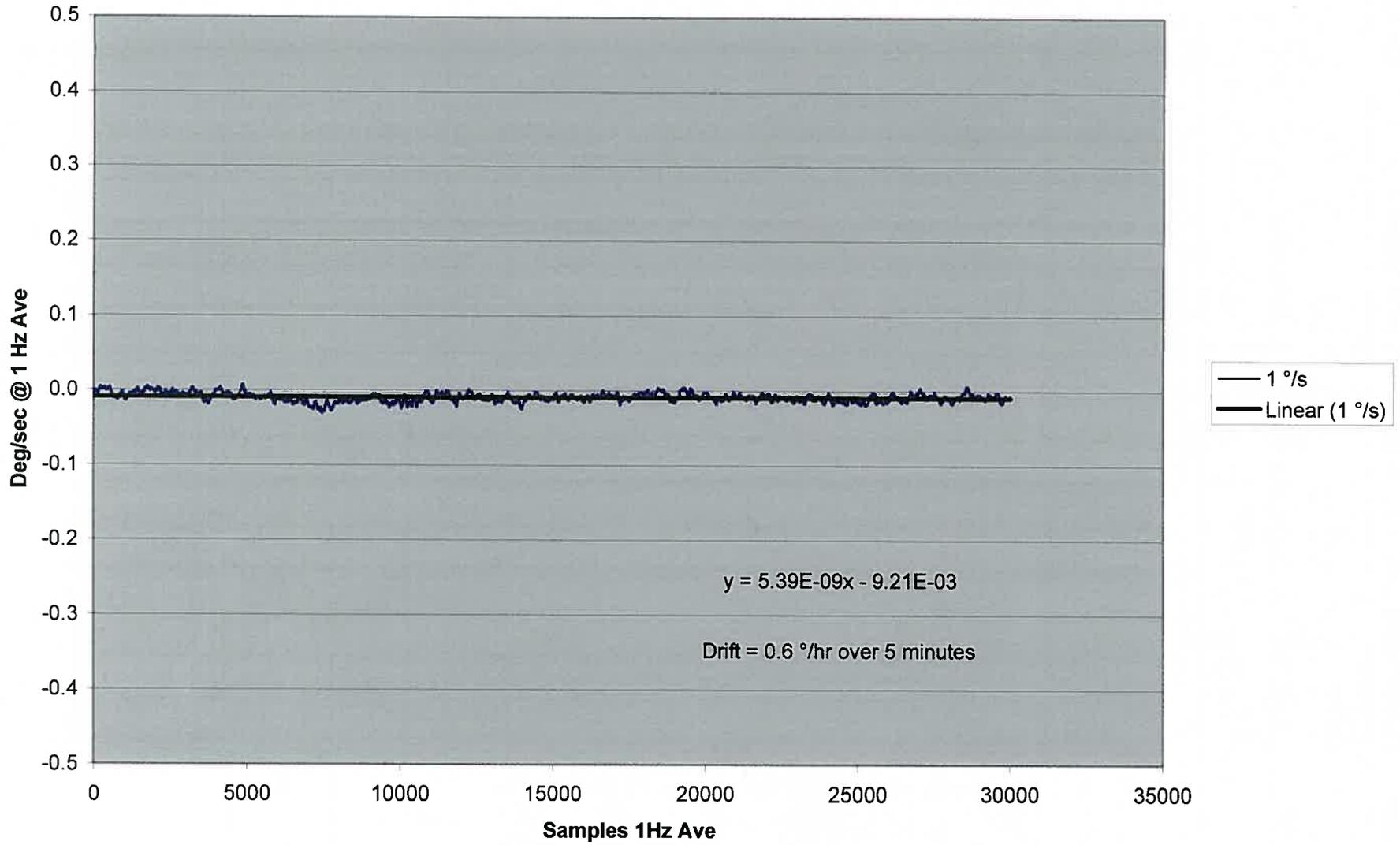
Roll 45° (above)

Roll -45° (below)

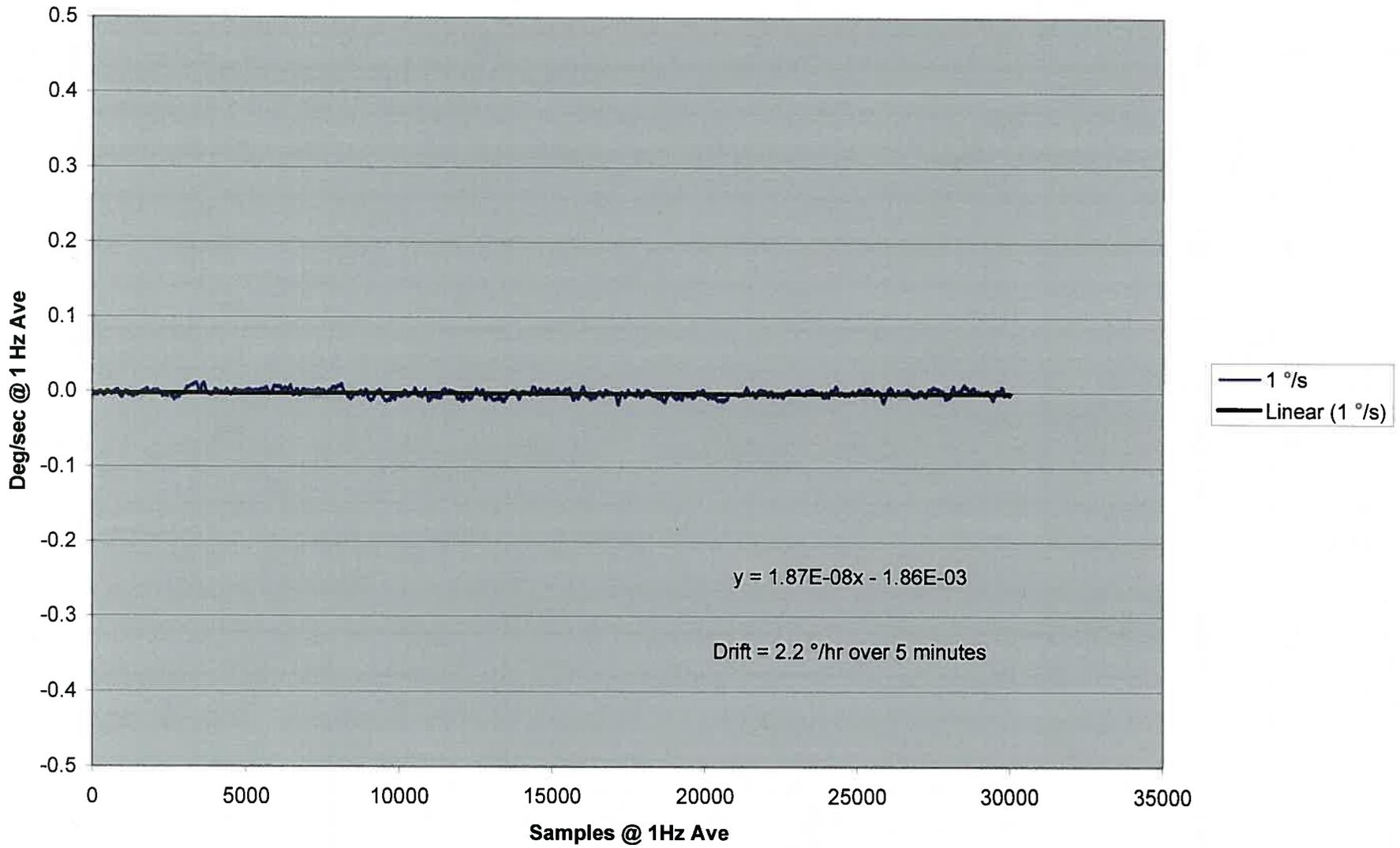




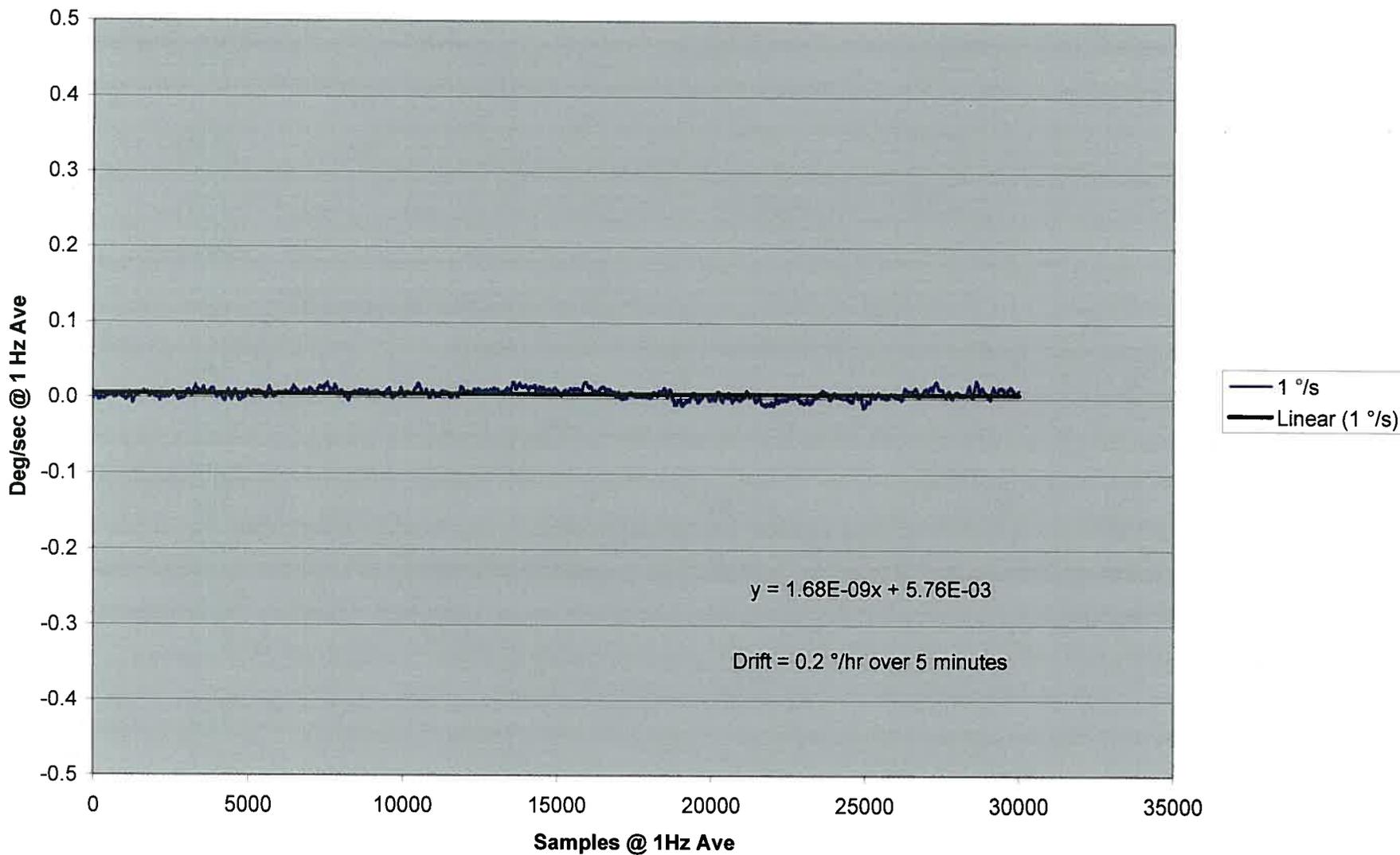
X Gyro In-Run Bias



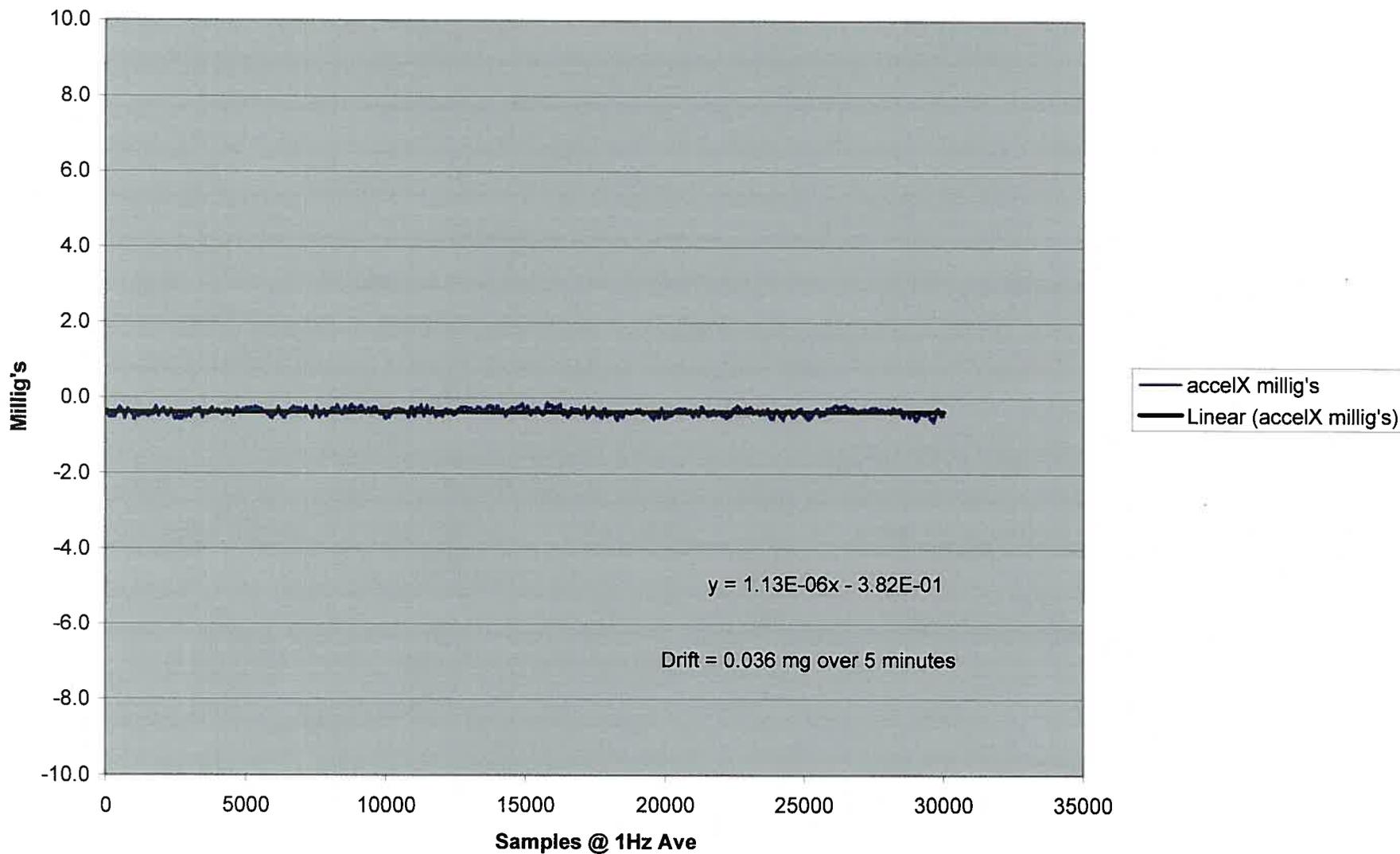
Y Gyro In-Run Bias



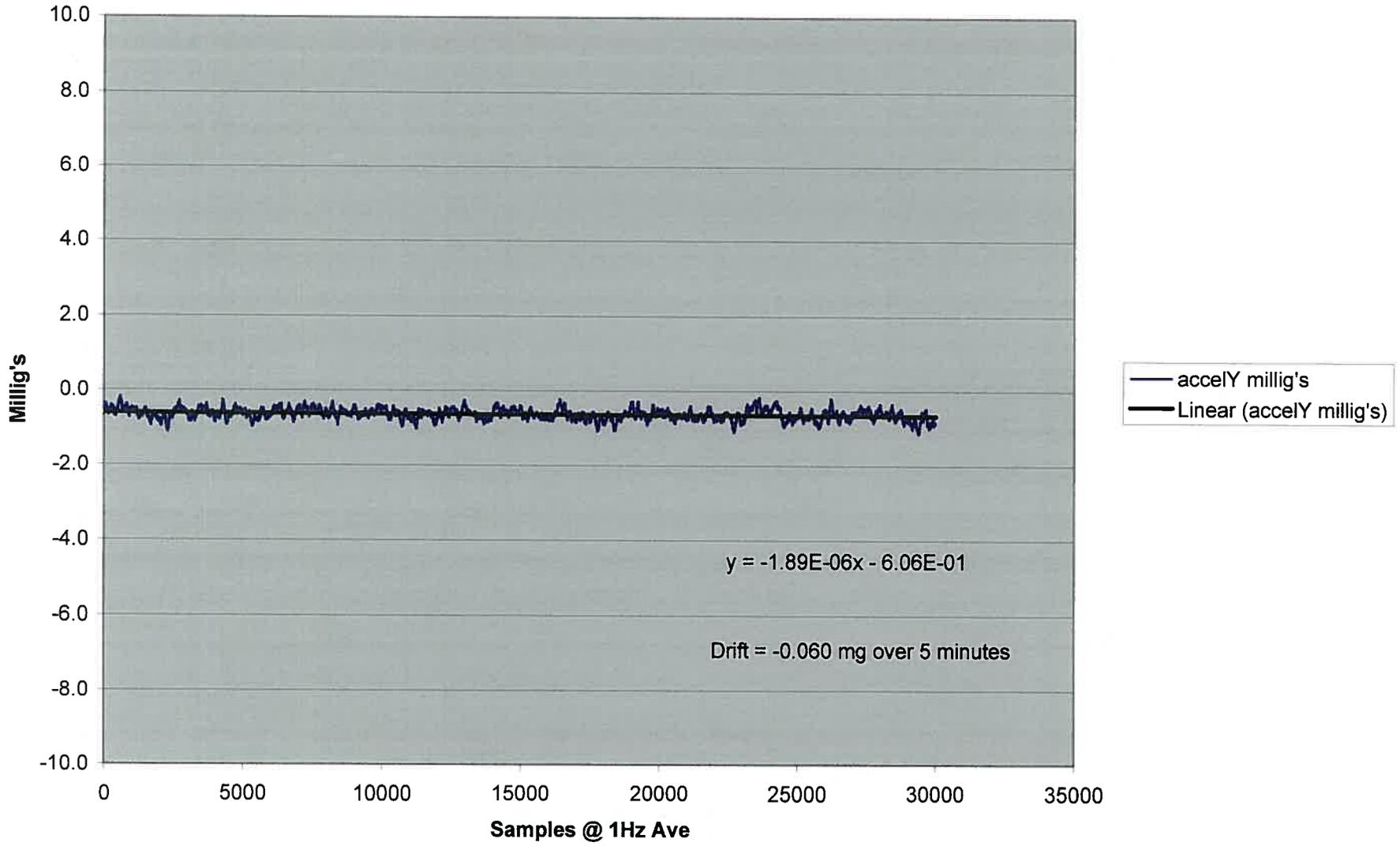
Z Gyro In-Run Bias



X Accel In-Run



Y Accel In-Run



Z Accel In-Run

