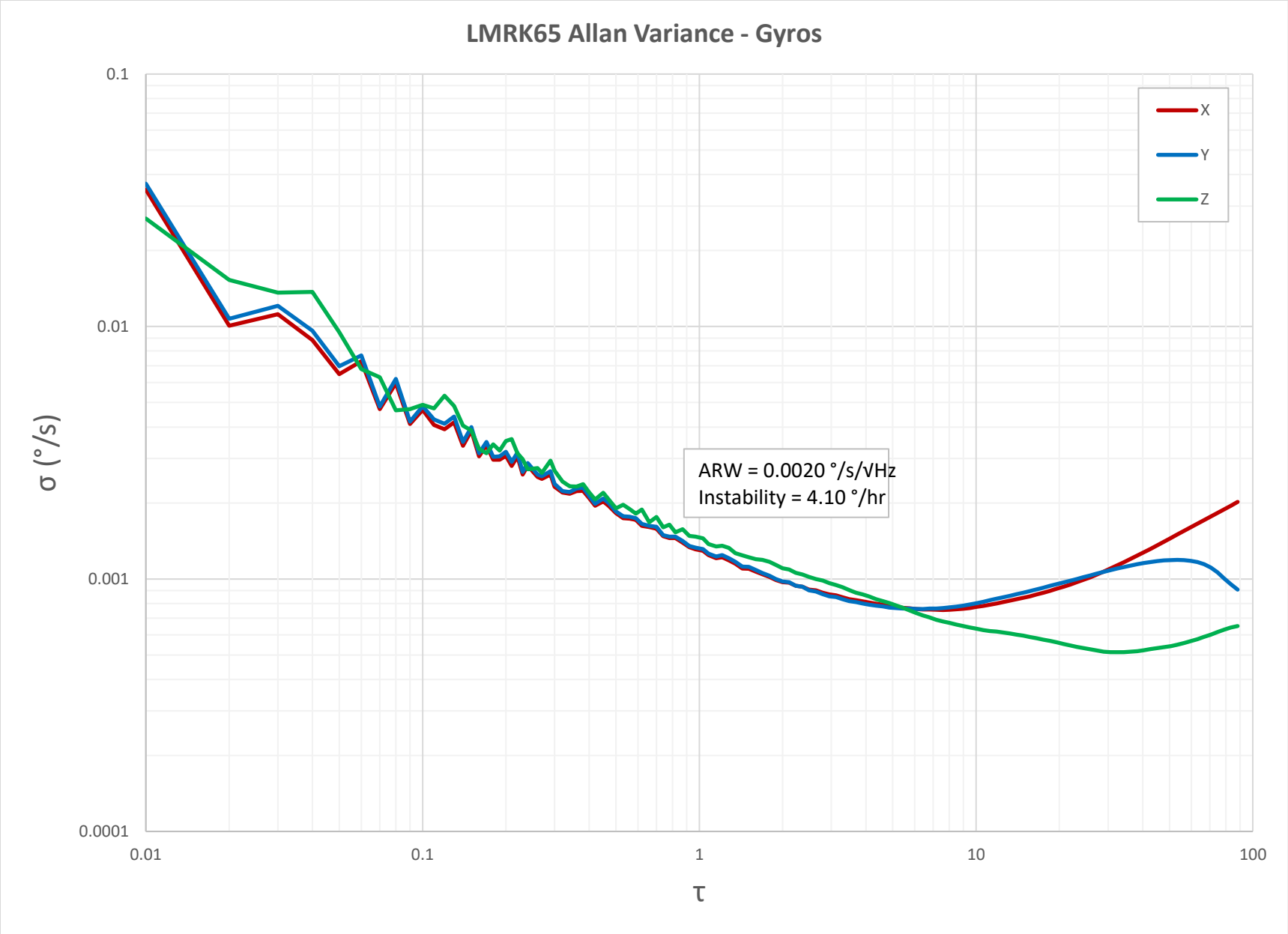
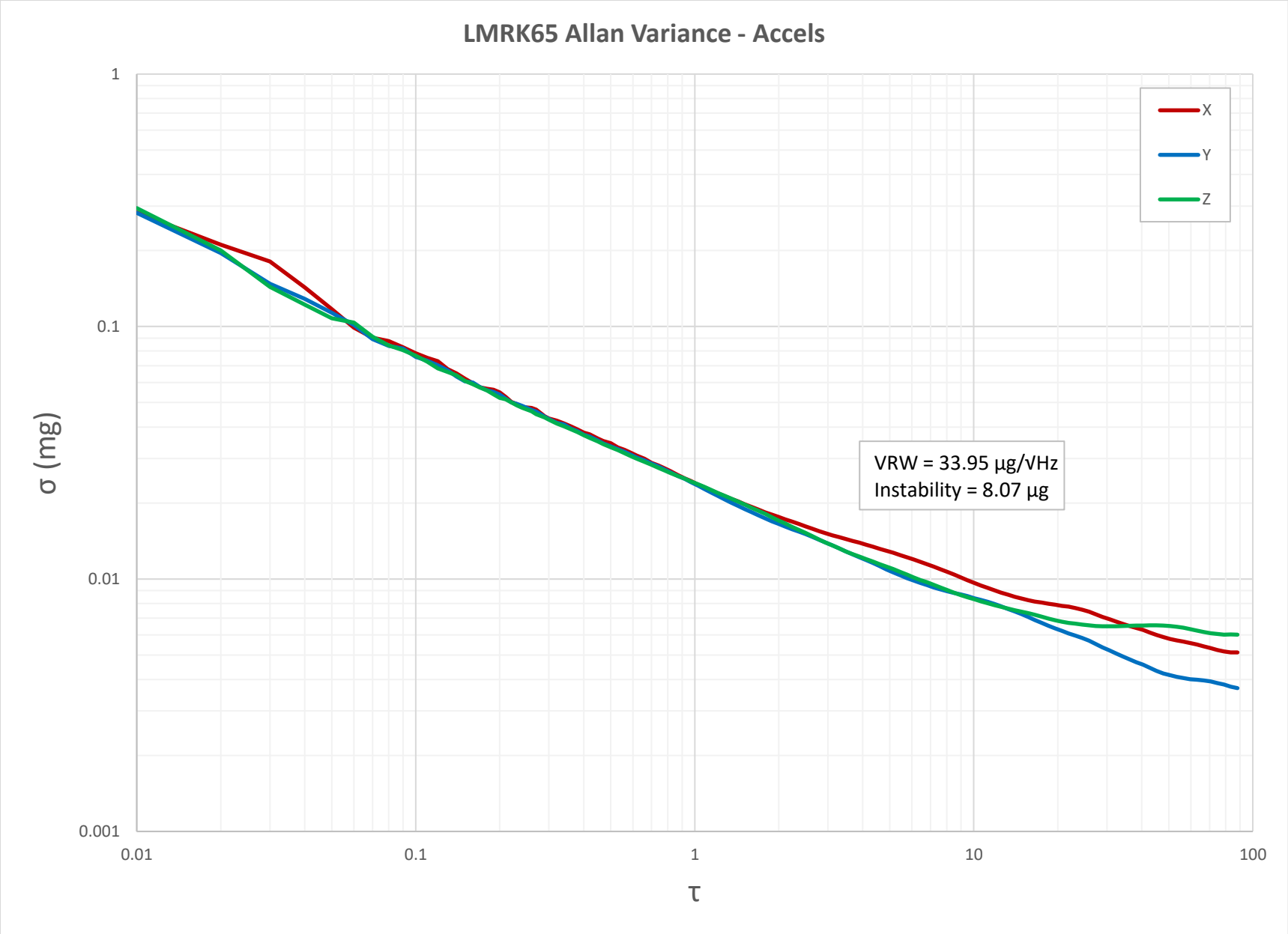
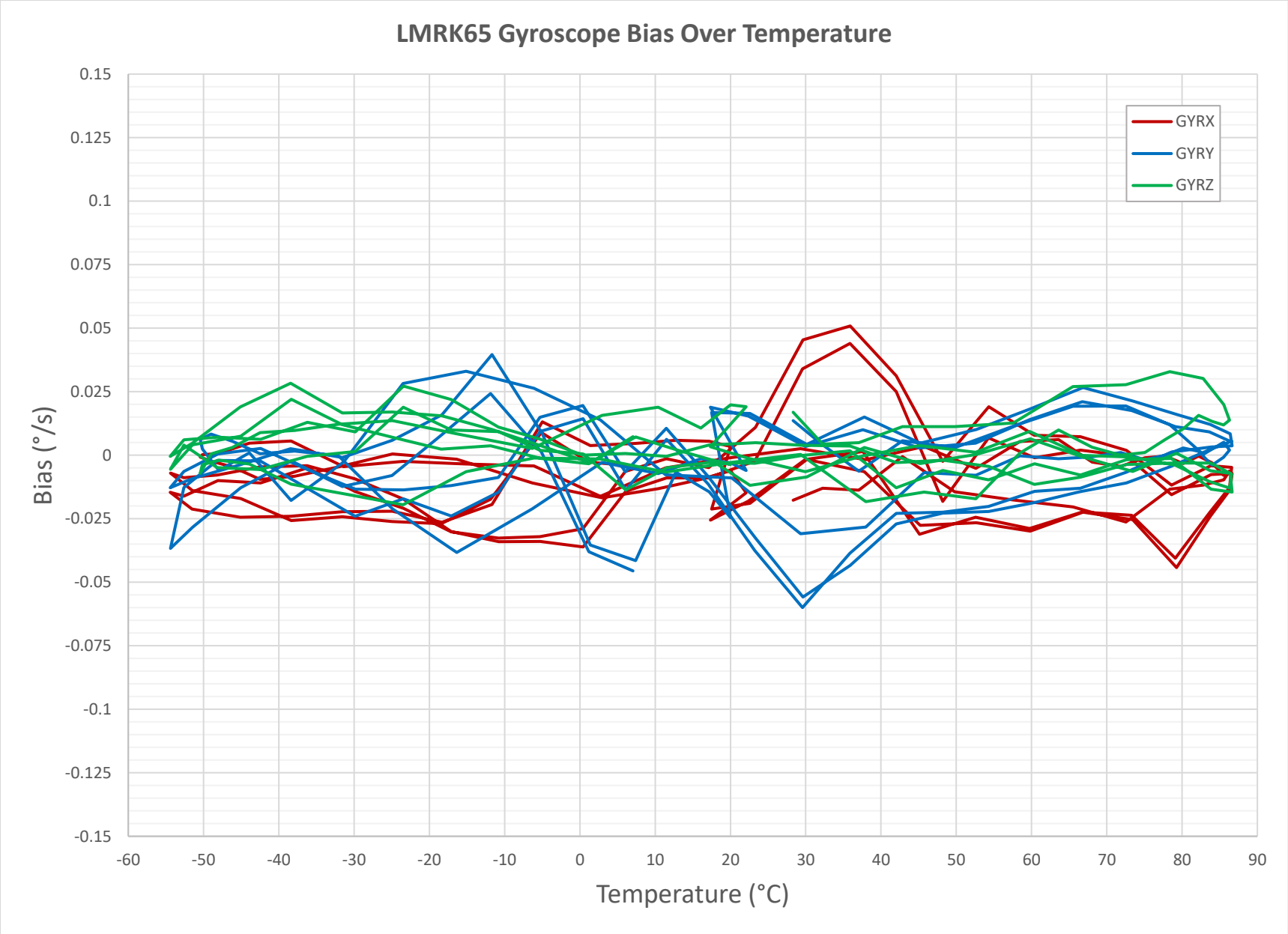
LMRK65-2000-40 IMU

Example Test Data

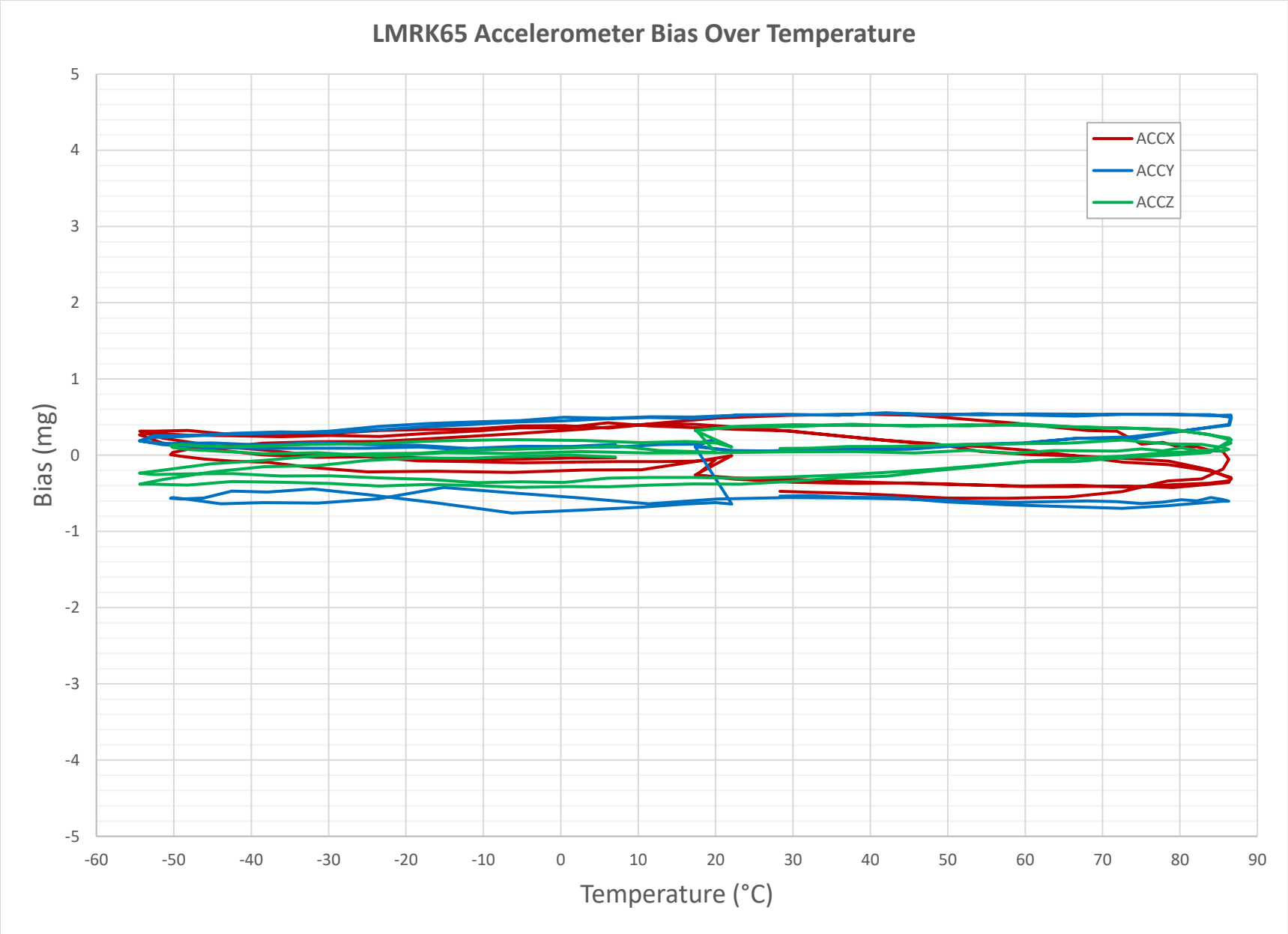
Copyright © 2019 Gladiator Technologies


LMRK65 Allan Variance - Gyros
0.1
0.01
0.001
0.0001
σ (°/s)
0.01
0.1
1
10
100
τ
X
Y
Z
ARW = 0.0020 °/s/√Hz
Instability = 4.10 °/hr

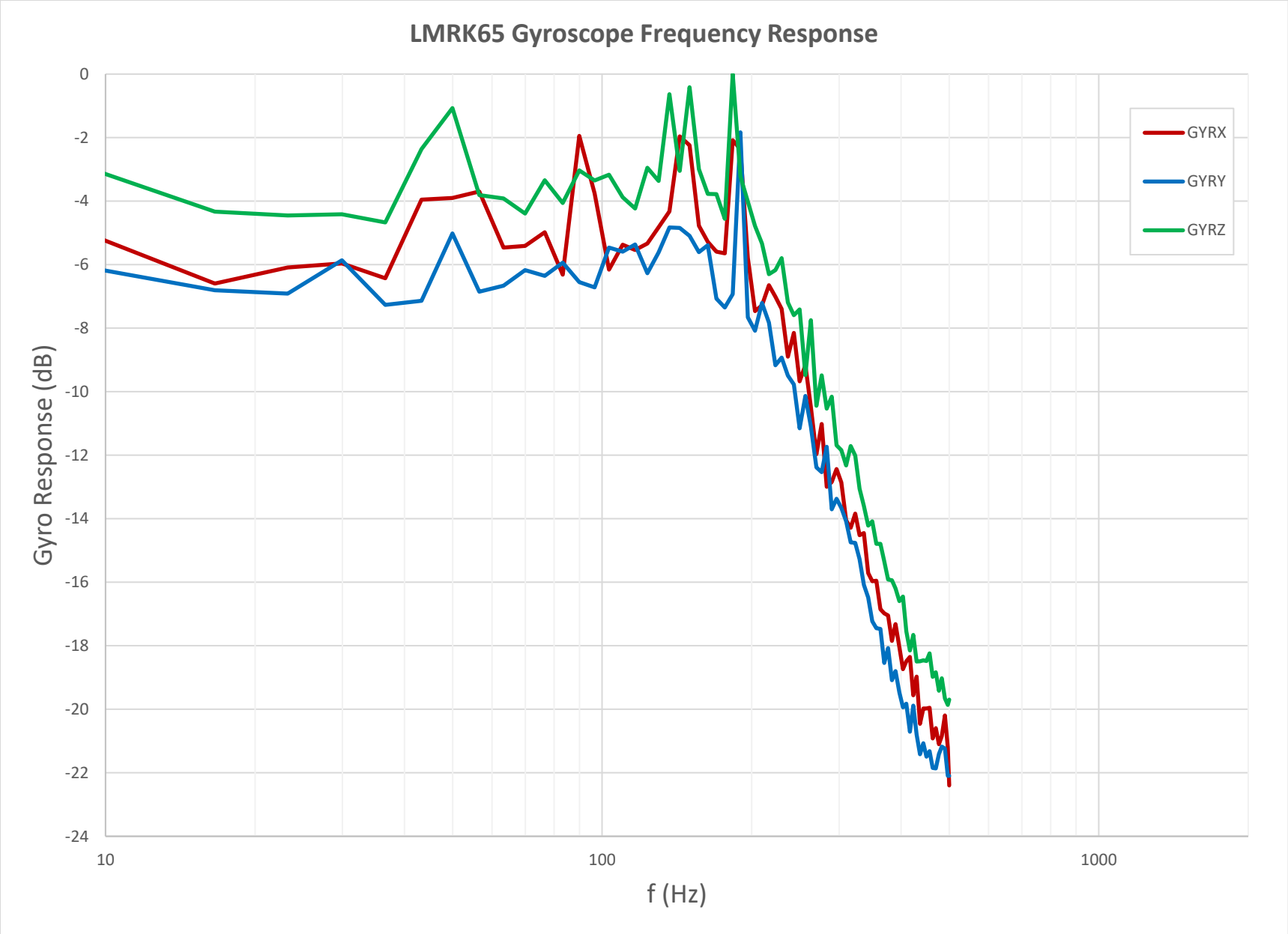

LMRK65 Allan Variance - Accels
1
0.1
0.01
0.001
σ (mg)
0.01
0.1
1
10
100
τ
X
Y
Z
VRW = 33.95 µg/√Hz
Instability = 8.07 µg

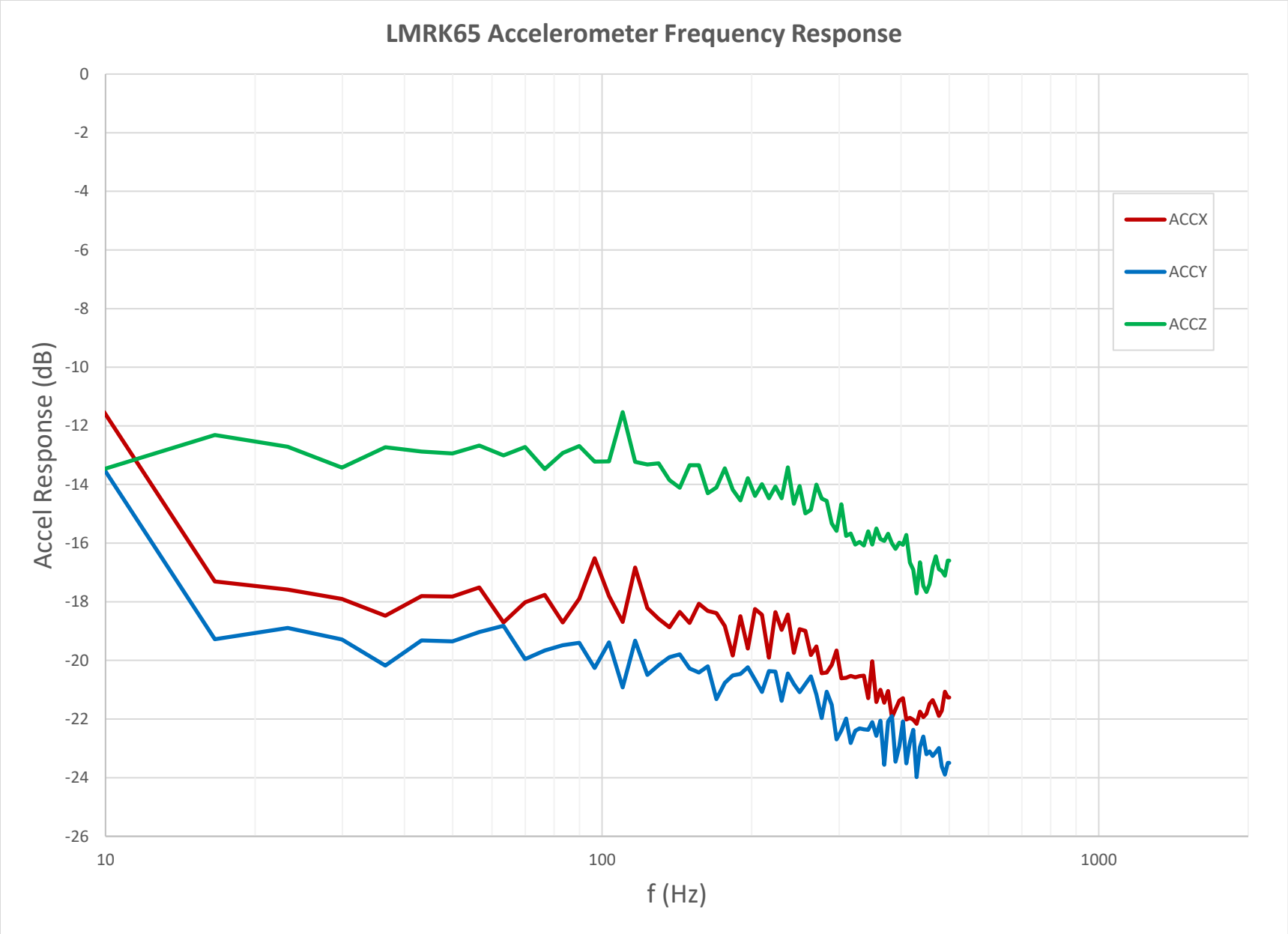


Copyright © 2019 Gladiator Technologies



Copyright © 2019 Gladiator Technologies


LMRK65 Gyroscope Frequency Response
Gyro Response (dB)
0
-2
-4
-6
-8
-10
-12
-14
-16
-18
-20
-22
-24
10
100
1000
f (Hz)
GYRX
GYRY
GYRZ


LMRK65 Accelerometer Frequency Response
Accel Response (dB)
0
-2
-4
-6
-8
-10
-12
-14
-16
-18
-20
-22
-24
-26
10
100
1000
f (Hz)
ACCX
ACCY
ACCZ