mean of accelerometer =

-0.0191

0.0757

9.8521

mean of gyroscope =

0.0007

0.0004

0.0003

mean of magnetometer =

-26.9073

3.5339

-76.3608

covariance of accelerometer in X: 7.020605e-05

covariance of accelerometer in Y: 6.935685e-05

covariance of accelerometer in Z: 6.346485e-05

covariance of Gyroscope in X: 4.629868e-07

covariance of Gyroscope in Y: 3.921599e-07

covariance of Gyroscope in Z: 4.510415e-07

covariance of Magnetometer in X: 9.748587e-03

covariance of Magnetometer in Y: 5.220846e-03

covariance of Magnetometer in Z: 3.074807e-02