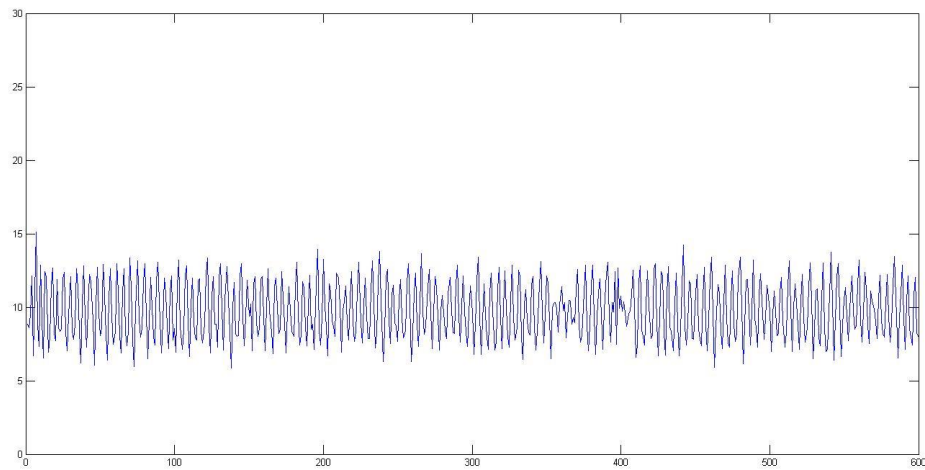


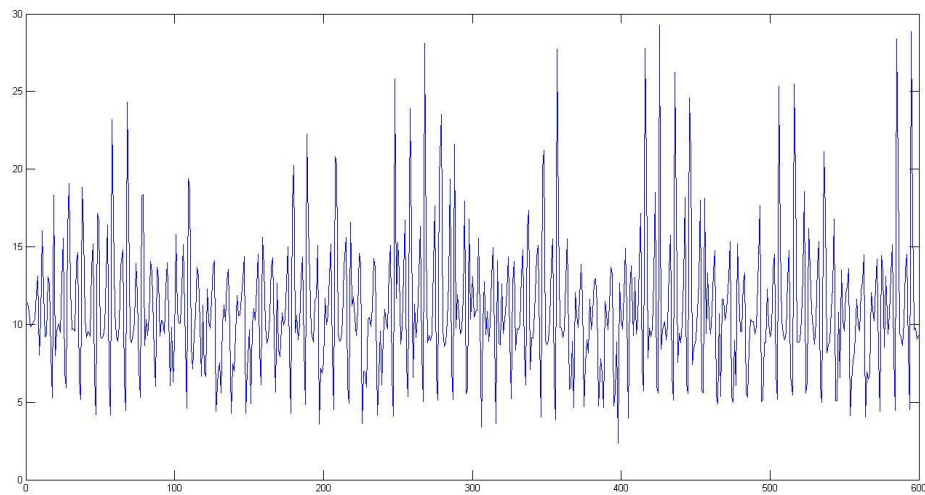
# Sensor Test Results

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*Zheng Lu, 10/25/2013*



**Figure 1 phone flat Accelerometer L2 norm**



**Figure 2 phone in left pocket Accelerometer L2 norm**

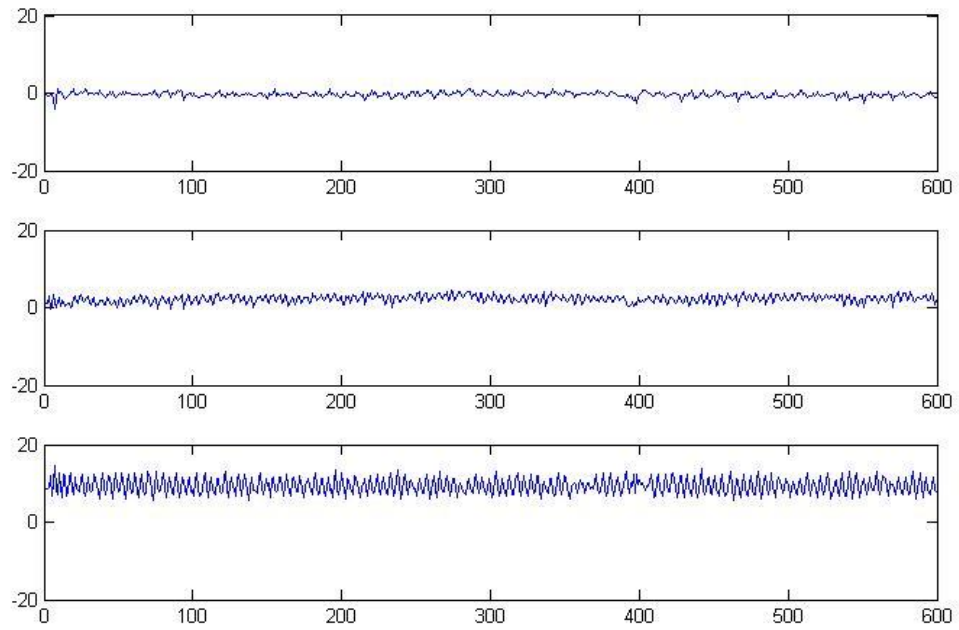


Figure 3 phone flat Accelerometer xyz coordination

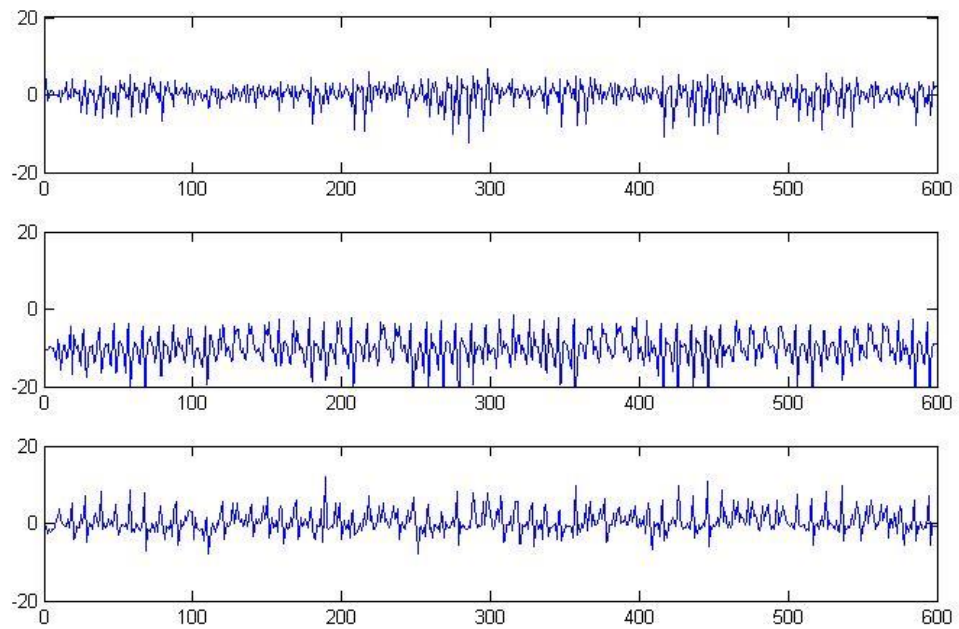


Figure 4 phone in left pocket Accelerometer xyz coordination

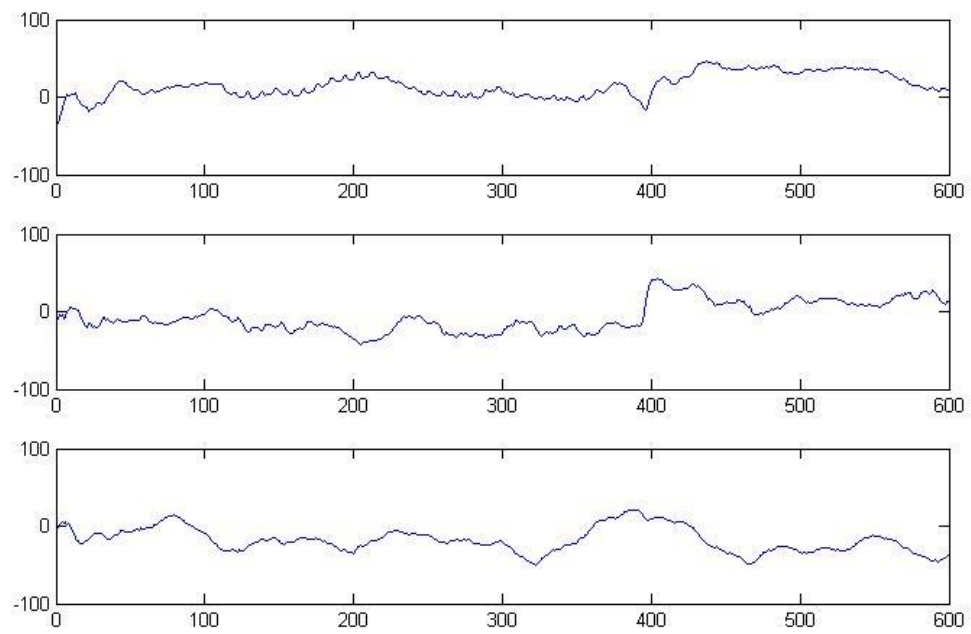


Figure 5 phone flat Magnetometer xyz coordination

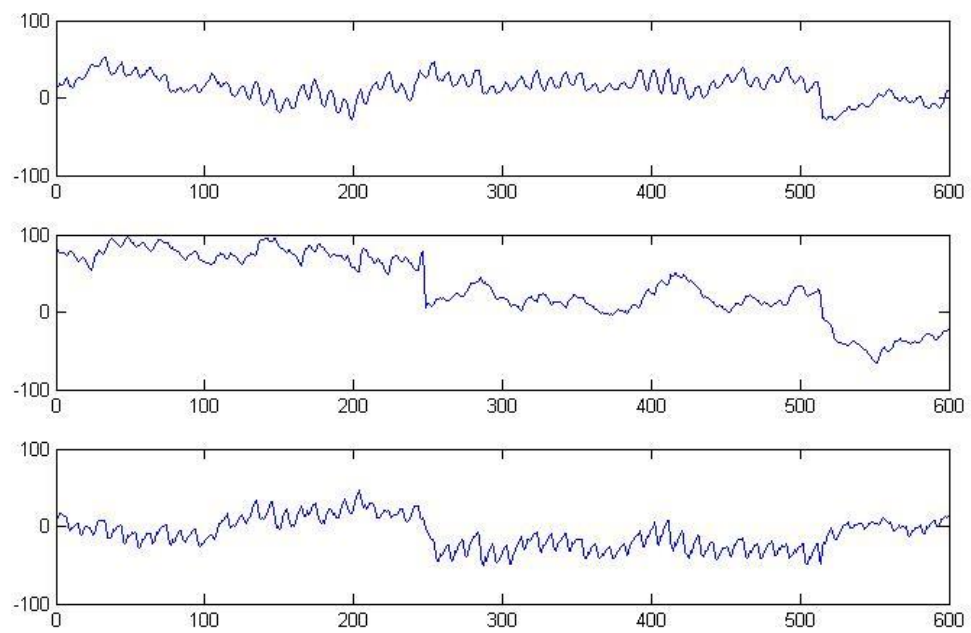


Figure 6 phone in pocket Magnetometer xyz coordination

Some Conclusion:

1. Accelerometer readings are good to tell whether you are going forward or backward in 2D scenario, i.e. along a street.
2. Magnetometer can provide real-time information about when are we turning.