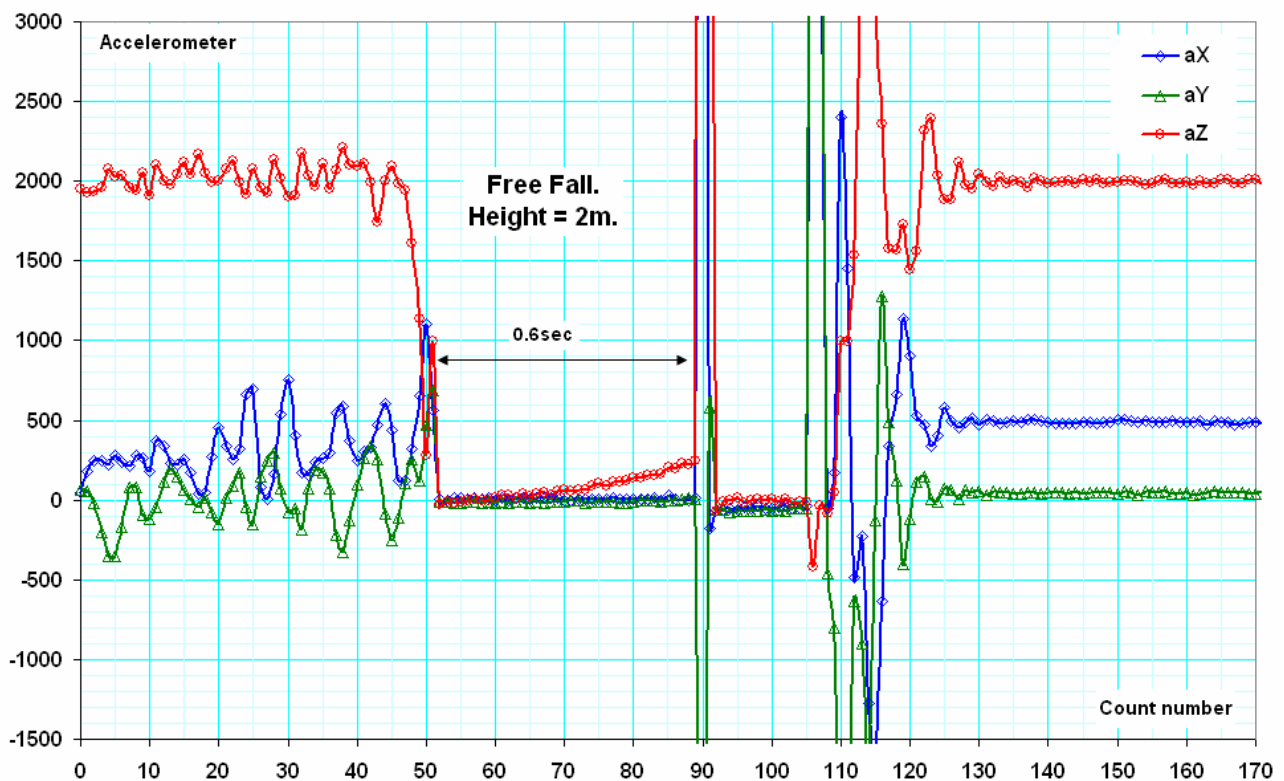
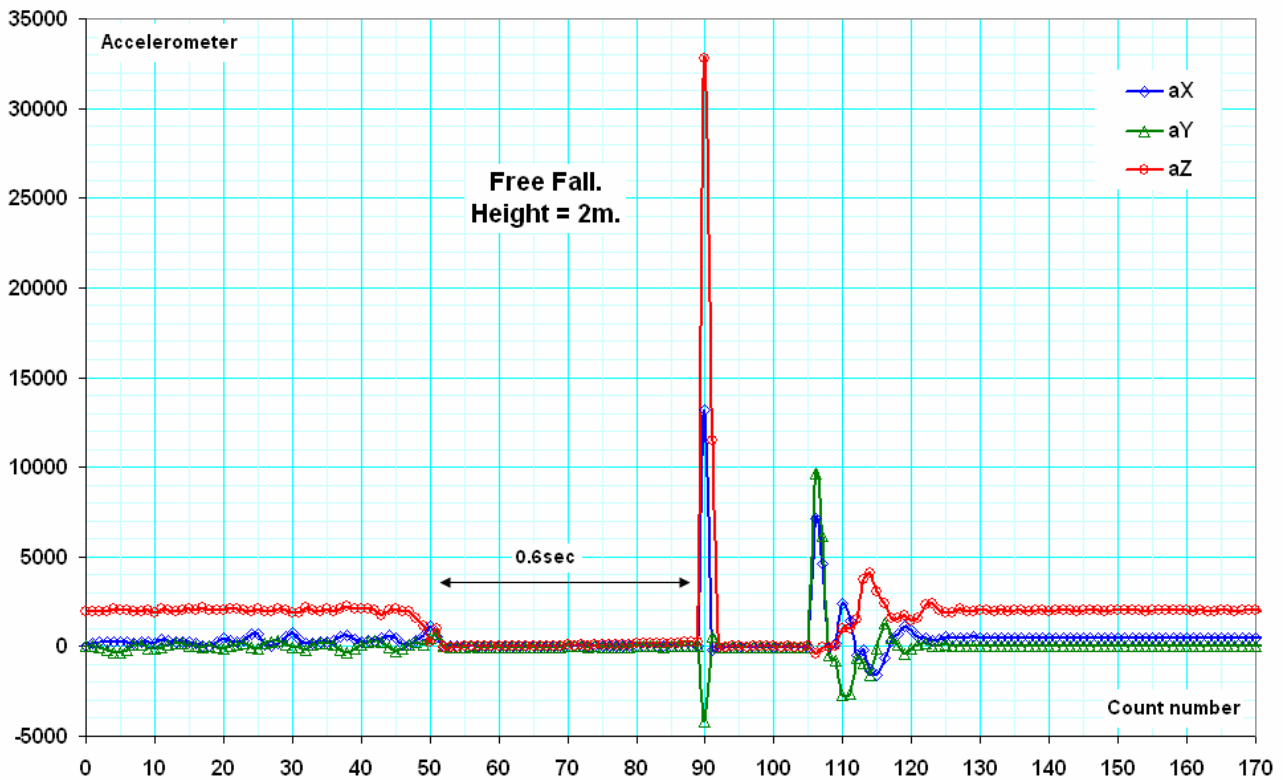


## Free Fall

Free fall to the mattress surface. Accelerometer-Gyroscope MPU6050 with BlueTooth link.  
Sensitivity is 16g. Sampling rate is near 61sps. Height is near 2m.  
X, Y, Z – components. Z-axis is Up.



0 - 45 – Accelerometer is on the lift up hand.

50-90 – Free fall.

Near 90 – First blow.

90 -105 – Kickback.

105 – 125 – Secondary blow.

130 – 170 – Accelerometer is still.