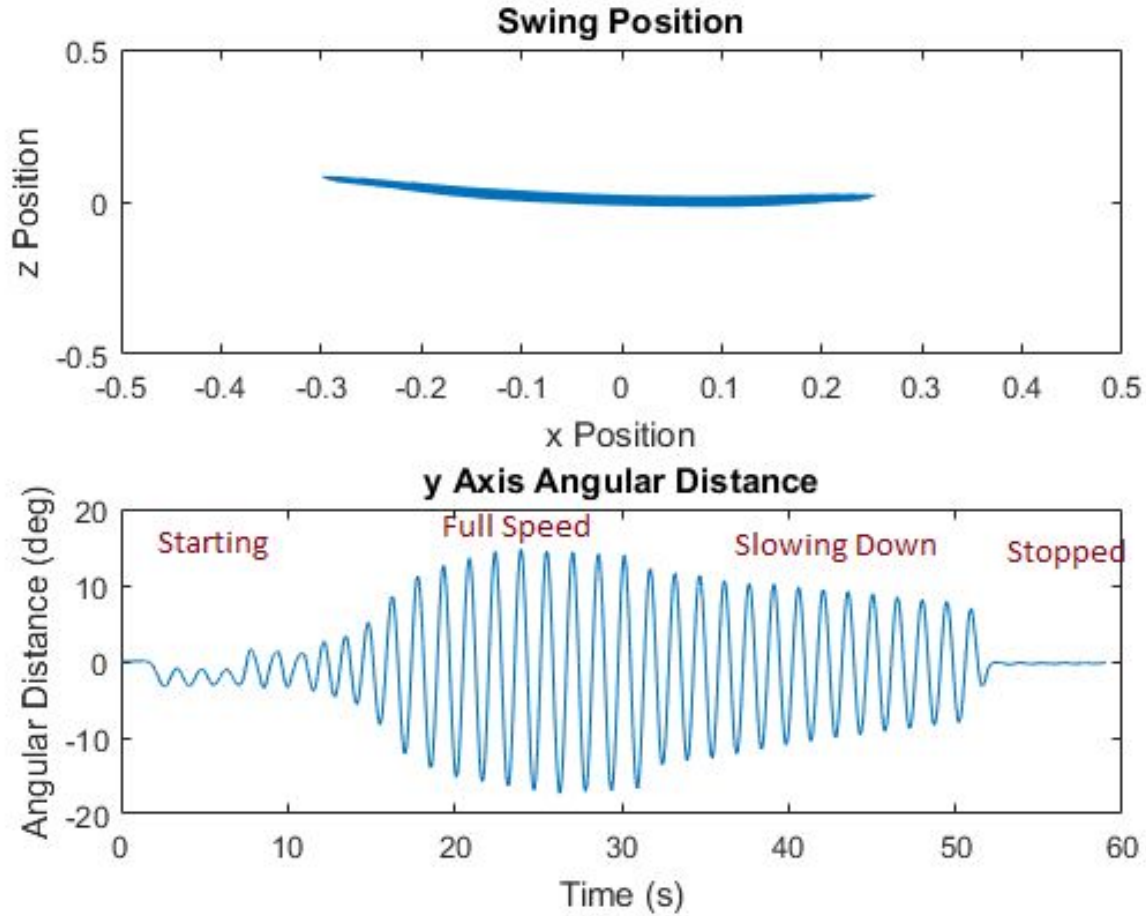


Inertial Wearable Sensors

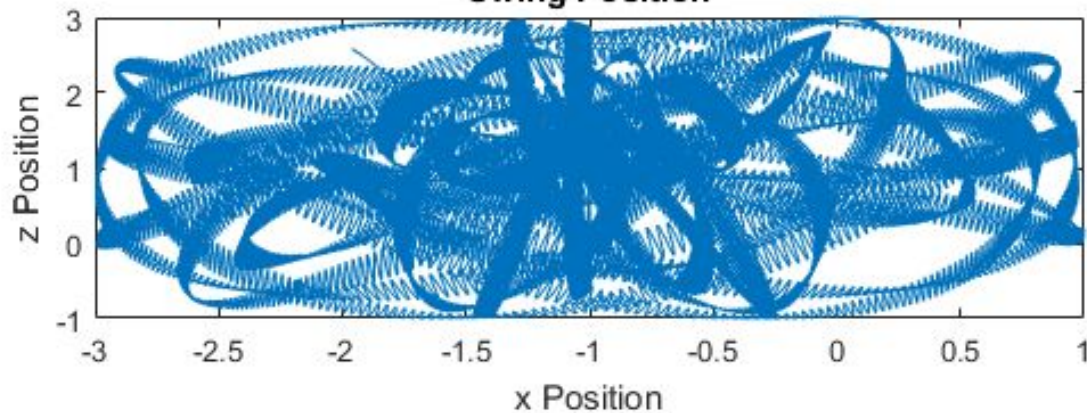
4/28



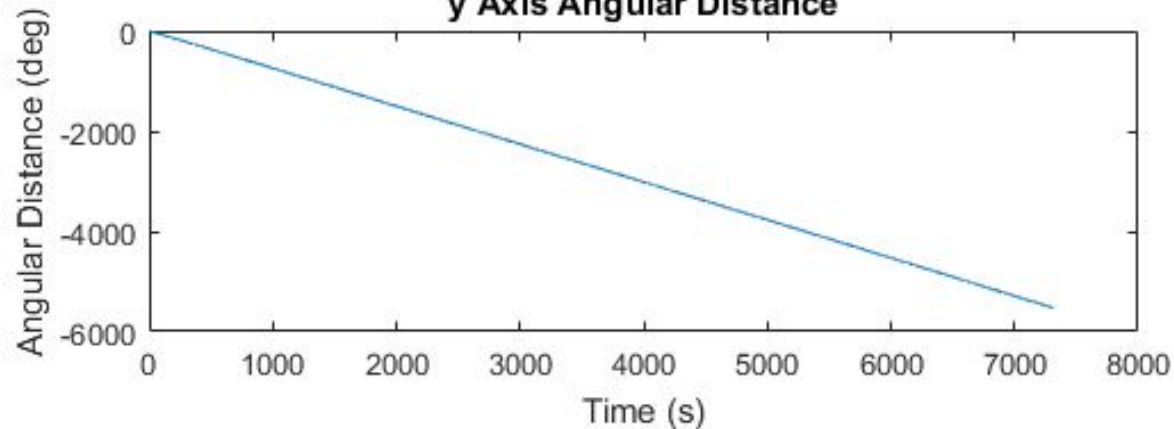
2 Hour Swing Test

- Fisher Price Platinum Edition Cradle n' Swing
- Powered on run at 4/6 speed for 2 hours.
- Powered off, stopped by hand.

Swing Position

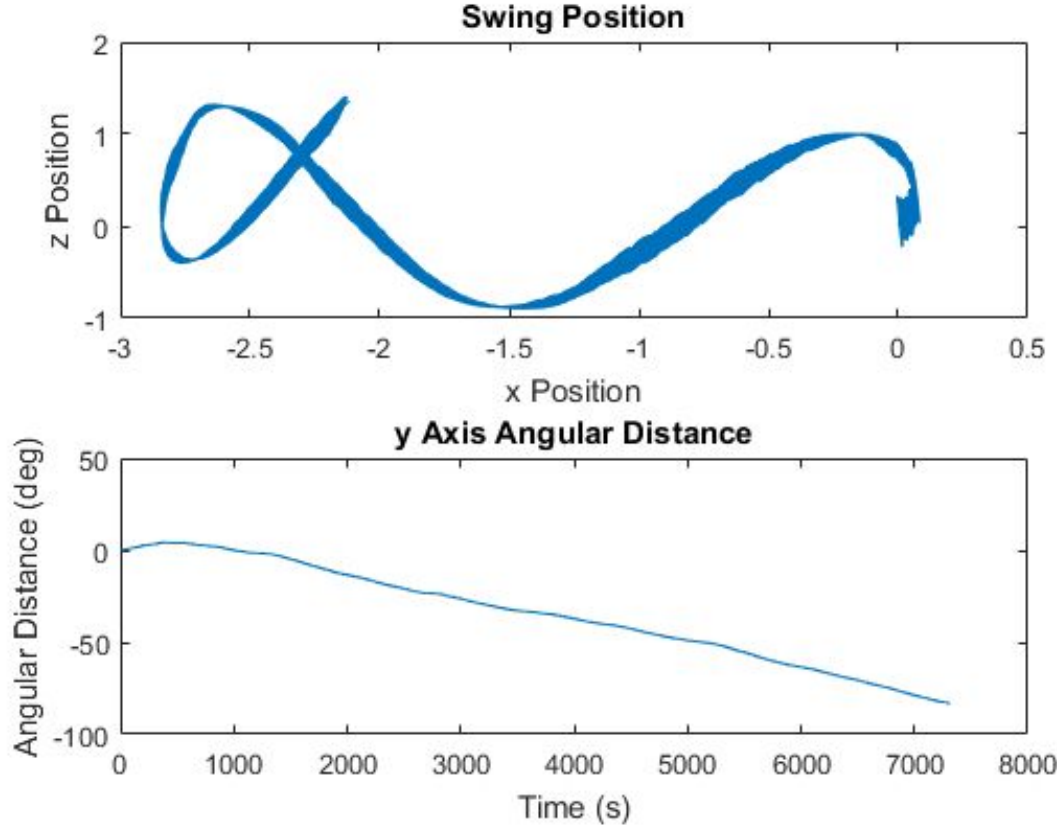


y Axis Angular Distance



Uncorrected Data

- Clear Drift
- ~5500 degrees from start after 2 hours

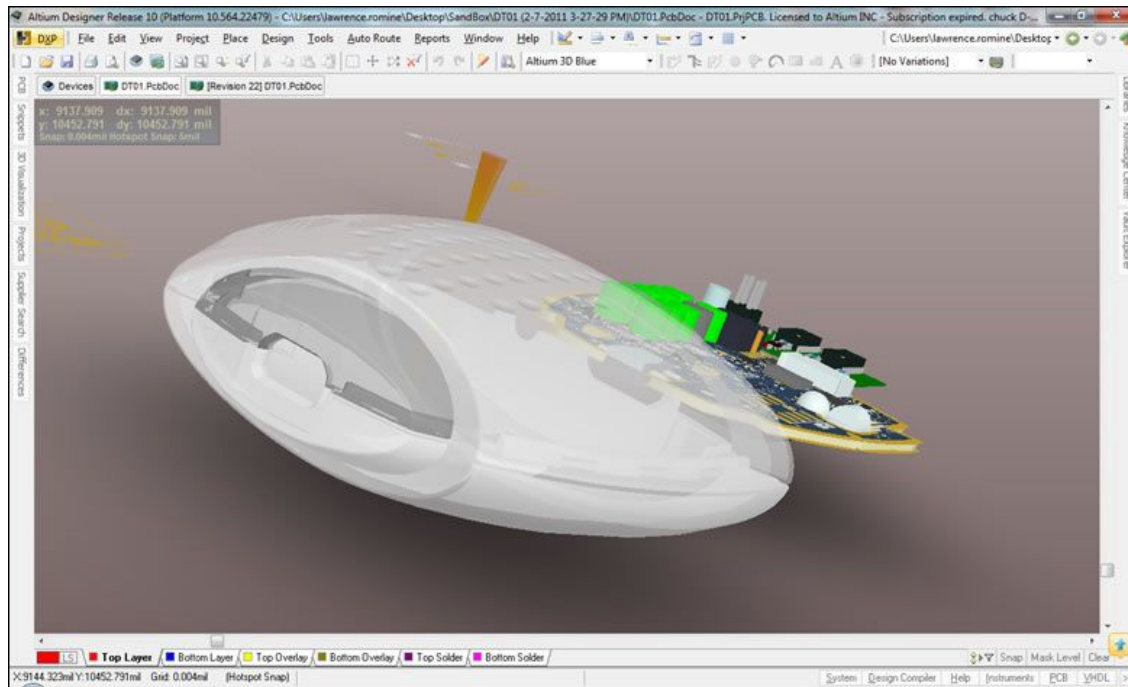


Corrected Data:

- Offset correction method used
- Not viable for 2 hours

Next Steps:

- Further testing to establish at what line offset correction is no longer viable
- IMU sensor fusion



Other Focuses:

- PCB Enclosure
- Polar Heart Rate Monitor Strap for securing sensors?
- Further interpolation work

