LMC 6650: Seeing like a Bike

Surface Quality

Milestone 4

Team: Shruti Dalvi | Kristin Hare | Nene Igietseme | Jayanth Mohana Krishna

Overview

- Testing in the lab
- Calibrating sensors
- Testing on the road around Tech Square
- *In progress:* Creating a shell script for automatic execution

Testing in the lab

- Data is being collected correctly when attached to monitor and ethernet.
- Roadblock: Wasn't collecting data when disconnected from ethernet
  - Solution: We were using a localhost (127.0.0.1). But we needed to use a loopback (0.0.0.0).

Calibration: Mounting the Matrix on the bike

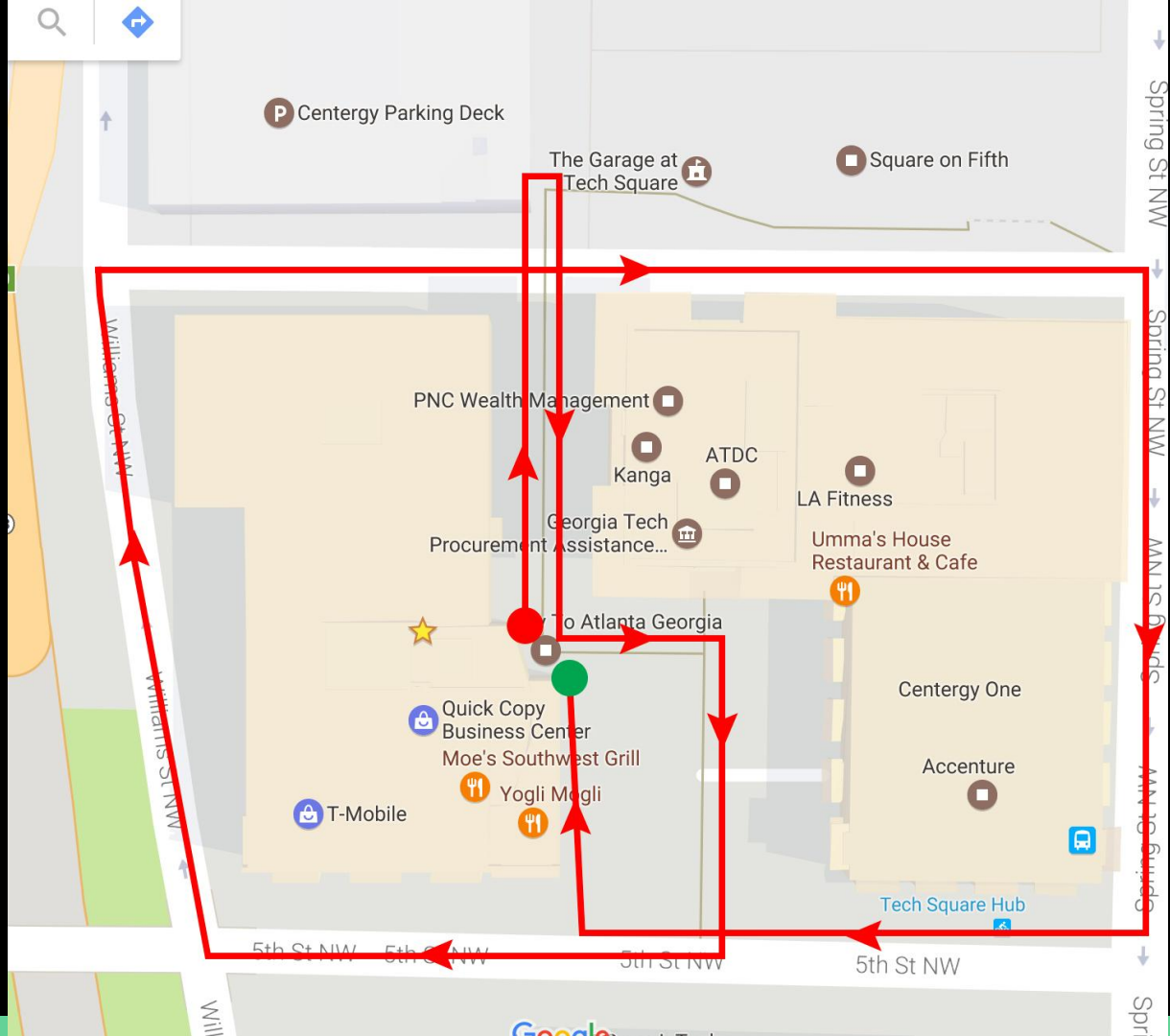# Calibration: Mounting the Matrix on the bike

- Placing the matrix so that it is as close to the central axis of the bike as possible.

- *Roadblock*: Mounts started to crack
- *Concerns*: Stability and steadiness of the mount on the handlebar
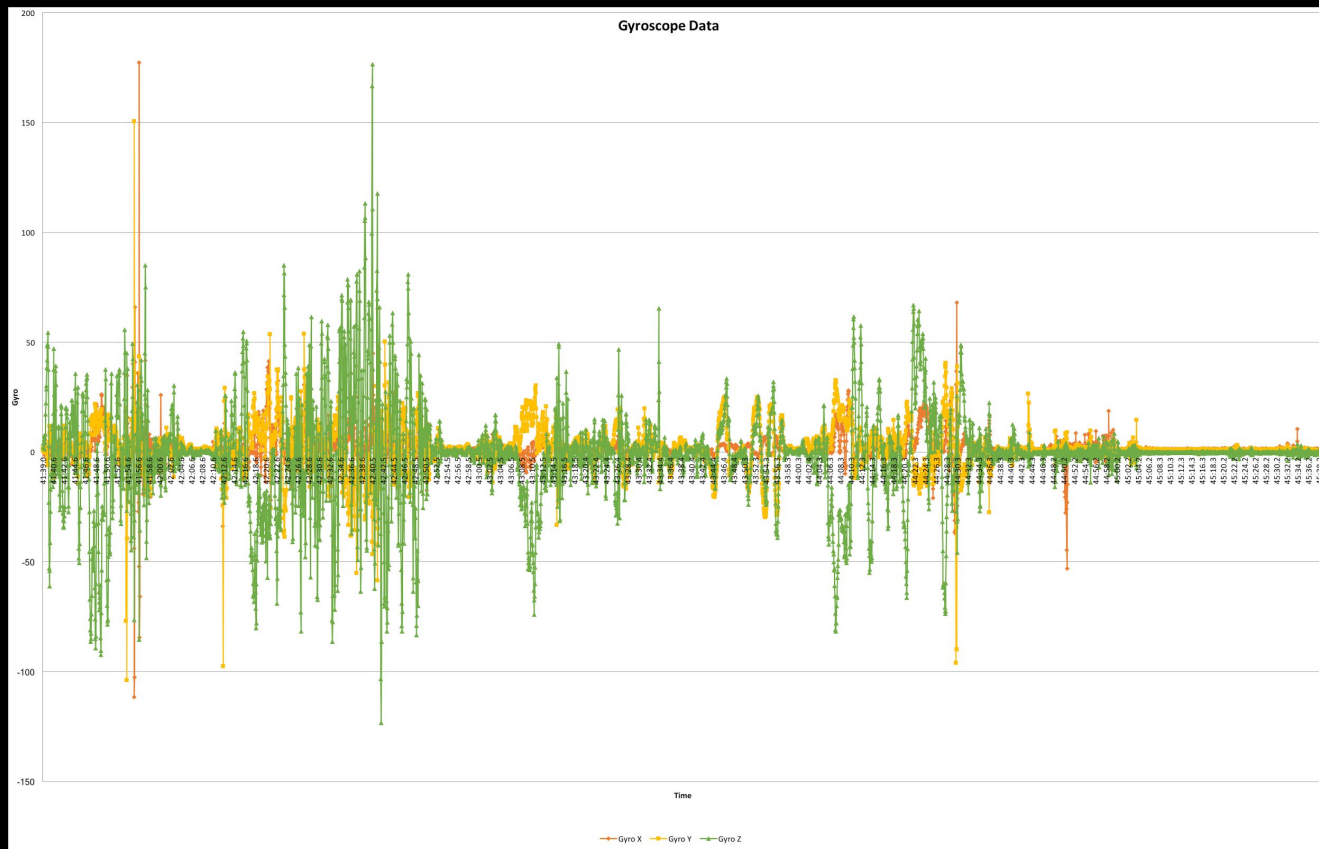
Testing

Route
for testing

Roadblocks

Oversights

- First try:
  - Didn't execute the program properly so it didn't collect data
- Second try:
  - Didn't execute correct commands

Data Collected (this morning)

Next Steps

- ○ Create a working shell script
- ○ Test on the road/route and collect data
- ○ Create cover for environmental protection