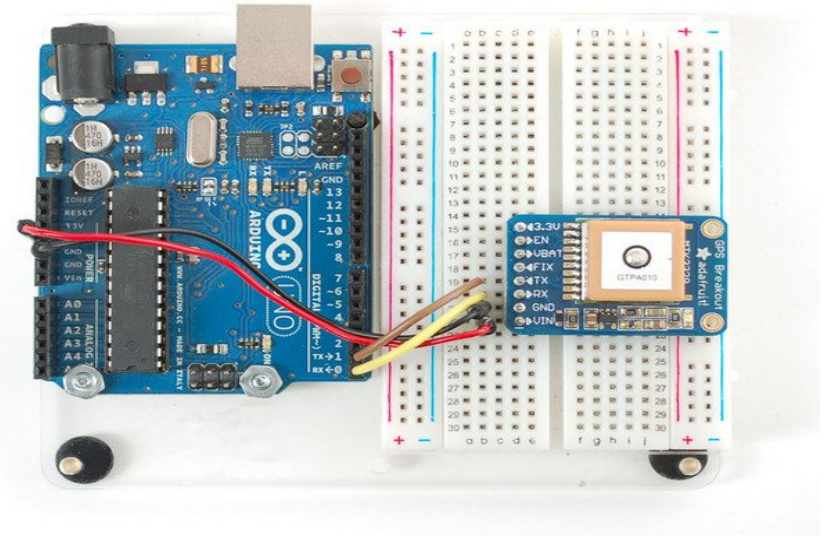# Progress Review 9

Team Aware

March 1, 2017

Progress

- GPS
- Visualization
- Stereo Vision
- Object Tracking
- Radar

GPS

- Adafruit Ultimate GPS
  - -165 dBm sensitivity
  - Up to 10 Hz updates
  - Available information:
    - Time
    - Location (longitude, latitude)
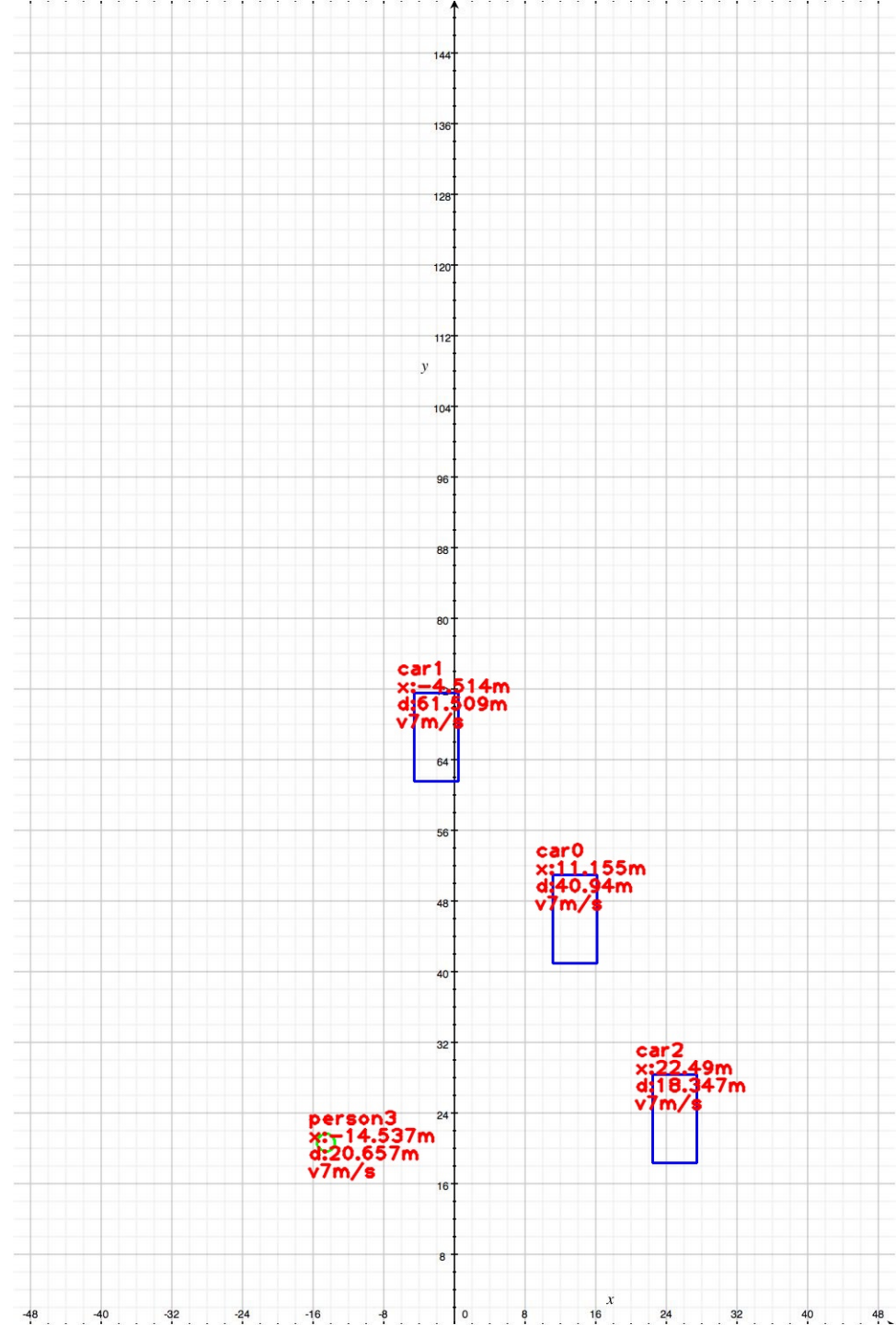   - Speed
    - Track Angle
    - Altitude

GPS

- Acquired data through serial port (C++)
- Parsed data (C++)
- Display real-time speed (knots → mph)
- Ready to be integrated into the final system

GPS

Visualization

- Written in C++
- Ready to be integrated
- Currently using sample values
- Data Fields
  - Classification
  - ID
  - X Pos
  - Depth
  - Velocity

Radar

- Data can be saved to a text file for an instant.
- We need continuous data and need it to get parsed.
- WireShark not working anymore.

Future Work (PR 10)

- Filtered Data from all sensors
- Object tracking for Multiple Objects
- Verify accuracy of GPS
- Get data from OBD Port
- Start integration

- Desktop should arrive this week.
- Assemble and set it up in Lab.