

sdmay18-33: AR enabled ground station

Week 3 Report

October 1 - October 8

Team MembersEthan Sabado — *Technical Documentation Lead*Jarrett Betke — *Scribe*Ryan Decker — *Communication Lead*Nicholas Behrens — *Gitlab Master*Nicholas Pelland — *Deliverables Manager*Rilwan Faniyi — *Quality Control***Summary of Progress this Report**

This week we separated into three groups of 2. The three groups focused on either google glass development, development board setup, or simulation environment setup. We were really able to narrow down how we are going to approach this project now that we have weekly meeting with our client. Each group made good progress in learning how a part of the project connects to the rest of the project and beginning the initial development.

Pending Issues

- Developing with one piece of hardware between two people is hard
- Waiting on ETG to get us a remote server available.
- Getting display on google glass
- No regular time has been set up with our Faculty adviser yet
- Need to determine why we are getting the error that there is not enough storage on the development board SD card

Plans for Upcoming Reporting Period

- Look more at the UAVX app and try to figure out what we can incorporate from whats already there
- Learn how to connect QGroundControl to AduPilot
- Meet with Radek to discuss our progress with the Ground Control Station

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Ethan Sabado	Prepared for the lightning talk presentation, meetings with client, and browsed over the website code.	6	13
Jarrett Betke	I worked with Nick to set up the Virtual Machine on one of the ECPE Computers. We downloaded and booted Ardupilot and QGroundControl, as well as burned Ubuntu on the SD card for the development board.	5	14

Ryan Decker	I worked with ETG to get a remote server set up, worked on solving issues with development board memory	6	16
Nicholas Behrens	I handed off the Google Glass to Ridwan on Wednesday after trying and failing to figure out why my Hello World App wasn't working. I then downloaded the UAVX app that we were provided and started to look into it and will try to figure out what we can gain from it.	4	14
Nicholas Pelland	Set up Linux Testing environment on flash drive. Loaded Ubuntu on Dev Board.	5	14
Rilwan Faniyi	Installed a basic app on the google glass	7	14