ECE Full System Test Performance

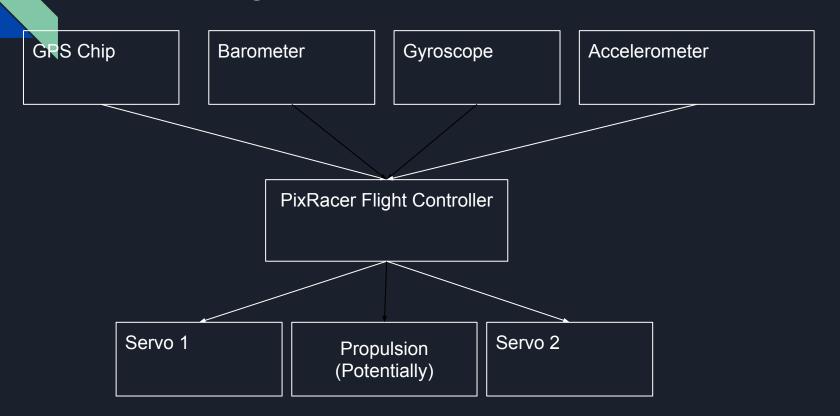
Larry Herring: Programmer Sterling Leech: Scrub Master

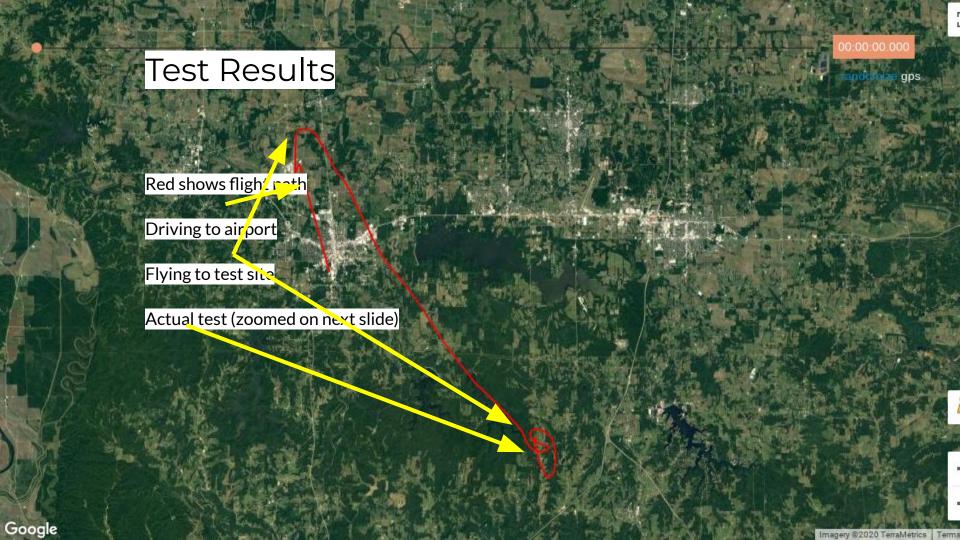
Drone's Microcontroller:

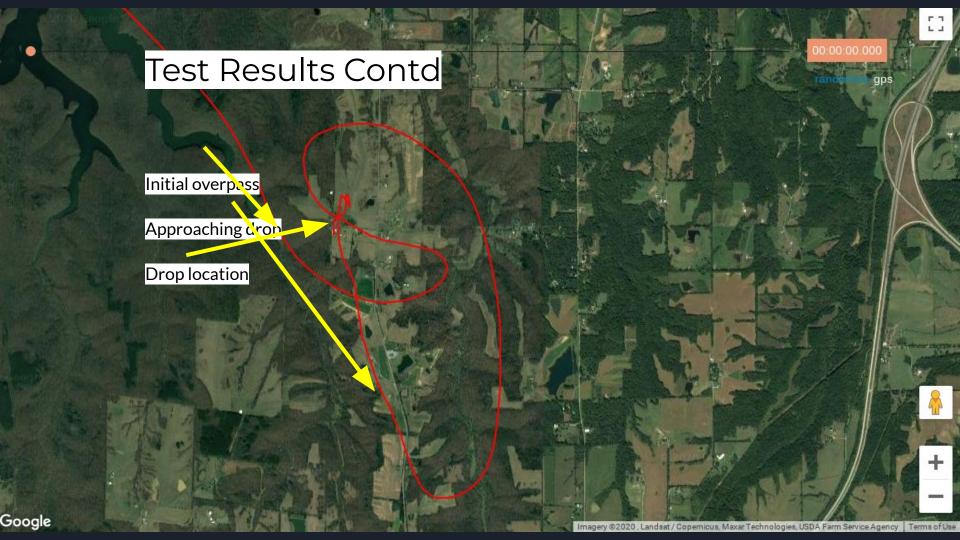
- mRo PIXRacer R15
- Software: C++
- Frysky Telemetry: MissionPlanner
- Main HardwareComponents & Specs
- Hardware layout Update
- Testing Ejection Rest

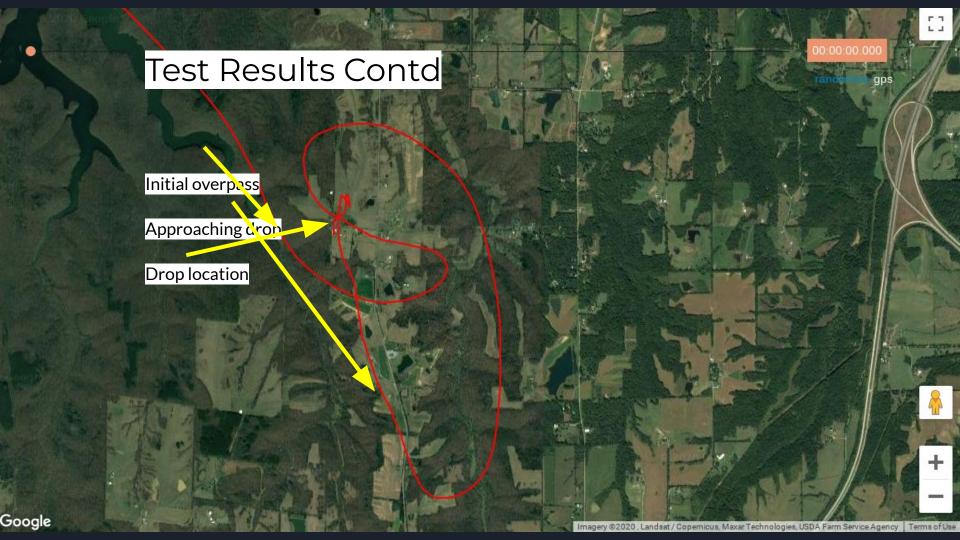


Block Diagram:



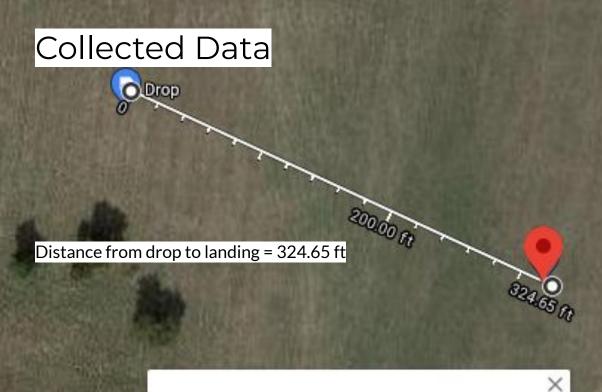










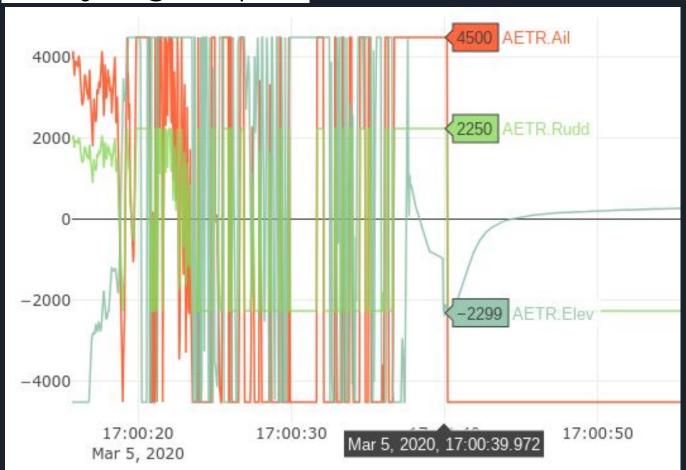


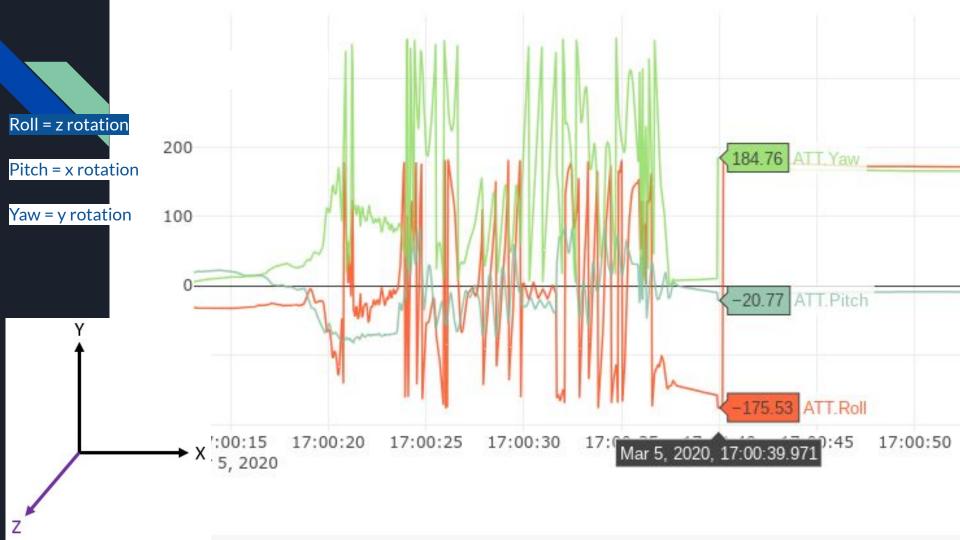
Measure distance

Click on the map to add to your path

Total distance: 324.65 ft (98.95 m)

Analyzing Outputs





Ejection Rest (Testing Launch)

Data

Free Fall Time = 17 seconds

Distance from drop to land = 324.65 feet

Conclusion & Next Step

- Testing on full prototype have been completed.
- Planning for further testing for better performance.
- Further research will be done for finding better quality hardware specs