

## Weekly Report #8

1. In the past week, our team was able to complete construction and test fly one of our drones! We met three times this week to complete construction, and also completed payload calculations as to how adding payload to the drone would affect flight time.
2. Our team anticipates learning more on flying the drone, as well as start programming our sensors to create an autonomous drone swarm.
3. The team did not meet with their advisor this week, but did meet with Rob from the Drone Club to work on drone construction three times this week.

4.

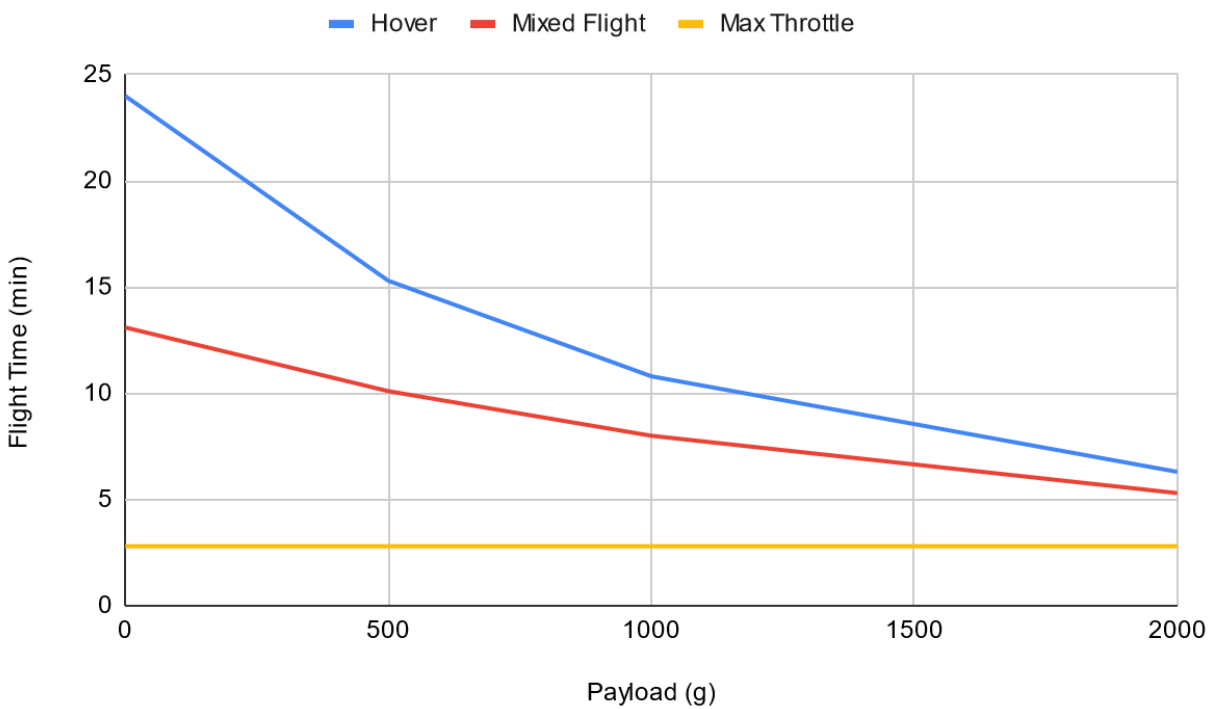


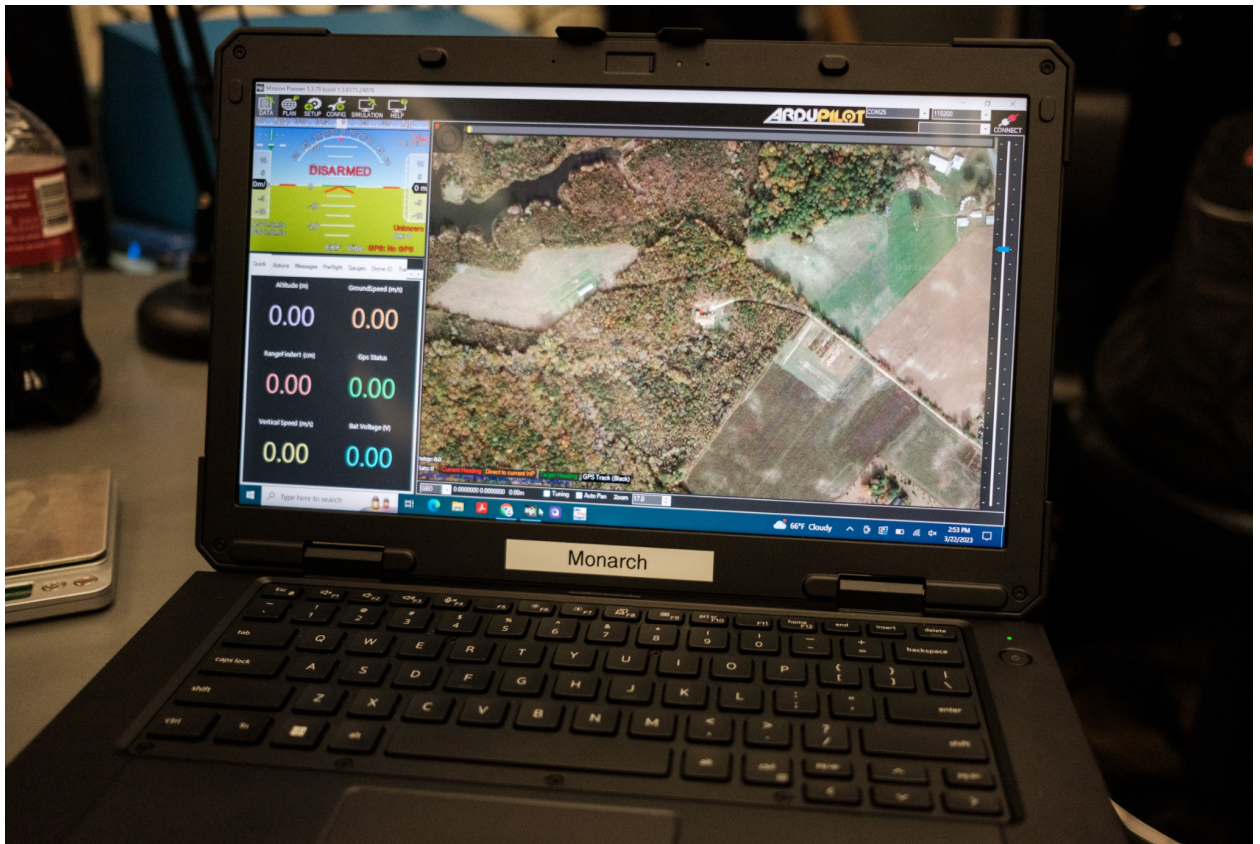
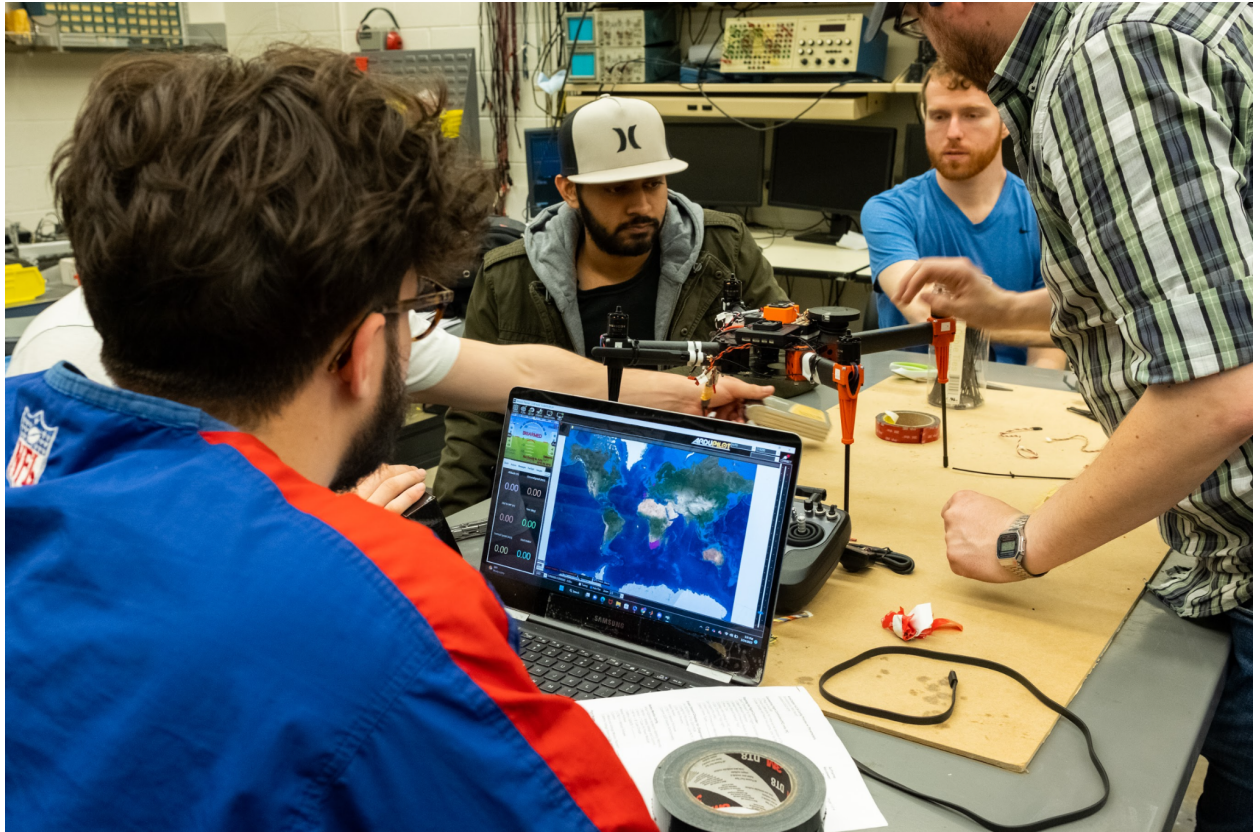
Figure 1: Graph showing payload vs flight time for hovering, mixed flight, and maximum throttle













- 5.) Each team member spent about 7 hours on the project this week.
- 6.) Natalie Jones and Maggie Atkinson