

**Group: May 1738**

**Project: Flying flashlight**

**Advisor: Professor Gary Tuttle**

**Members: Peter Bonnie, Brady Koht, Sebastian Roe, Joseph Wickner, and Scott Melvin**

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○ **Weekly Summary**

Leading into the 6<sup>th</sup> week of the semester. The PCB files were sent out the previous week and Digikey parts began to be received. Flight controller tests and calibration have been ongoing through these several weeks. The drum design was finalized and required parts were ordered. Communication problem has been narrowed down to the receiving end of the system. When the Arduino receives data on the digital pin, there is a spike in the ppm values being sent to the flight controller. We are currently trying to find a solution that fixes this problem.

○ **Individual contributions**

| <b><u>NAME</u></b> | <b><u>Individual Contributions</u></b> | <b><u>Hours<br/>this<br/>week</u></b> | <b><u>HOURS<br/>cumulative</u></b> |
|--------------------|--|---------------------------------------|------------------------------------|
| Peter              | Xbee, Winch Review                     | 6                                     | 64                                 |
| Brady              | Interview, Winch Review                | 2                                     | 50                                 |
| Scott              | Flight Control                         | 4                                     | 49                                 |
| Sebastian          | Drum/ Winch Designing                  | 8                                     | 66                                 |
| Joe                | Flight Control,Xbee                    | 3                                     | 48                                 |

○ **Plan for coming week**

Hopefully PCB from Oshpark shows up so we can begin LED control testing as well as make progress with flight control testing with the “final” board.

○ **Pending issues**

No pending issues at this point in time.

○ **Summary of weekly advisor meeting**

There was no meeting with advisor this week.