



Scarlet Hawk IV

Status Report: September 2016

AIAA - IIT

Summary:

Our payload returned early this month from the launch. As far as our data goes, we managed to collect some extremely interesting information. Our sensors all functioned on ascent, although it seems as though the current sensor had some problems once we reached float. In addition, our pressure sensor (as expected) ceased functioning once the pressure got below 10mbar. All of that aside however, our Geiger counter collected a large amount of data regarding the radiation levels at the different altitudes. Our payload is still in good shape, and we are still working on graphing and formatting all of the data. We have begun work on the final science report, and we are excited to map the data from the Geiger counter!

Upcoming Deadlines:

- October 23th – Meet with team leaders to start combining science report.

Our team structure is as follows:

Faculty Advisor: Dr. Murat Vural

Project Manager: James Henry

Team Leaders: Alan Grossman (Structural)

- Melissa Alkan
- Vaishnavi Sreenivash
- Gregory Enriquez
- Ibon Rementería
- Gina Kapadia
- Noah Griffith
- Jaime Anton

Jacob Freeman (Software)

- Ian Gustafson
- Simon Sai

Kevin Hardin (Hardware)

- Caterina Lazaro
- Leslie Villanueva
- Sergio Gil
- Timothy Bender