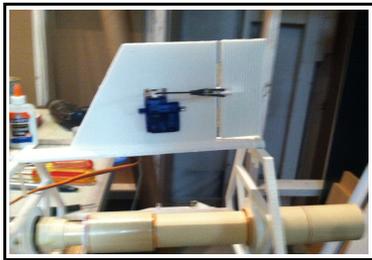


## Executive Summary

This month, I worked on the flight system. I moved the servos and control rods to the vertical and horizontal stabilizers and attached them to the frame. The total mass as of this month is  $\sim 1056$  gm. This leaves 446 gm for the paraglider, canopy, and nosecone.

## Technical Stuff

This month, I worked on the flight system. I moved the servos and control rods to the vertical and horizontal stabilizers and attached them to the frame. Each fin has a mass of  $\sim 40$  gm including the servo. To get the mass down, I used the smallest wall, floor, and ceiling setting on the print that I felt would work. Also, I used a 20% infill. It turns out that PLA is pretty tough. I used the default settings on the frame. As such, I believe I could get the frame mass down a little by using the same settings. Also, I attached three of the five panels to the frame (not shown in pictures). I massed the electronics and batteries at  $\sim 58$  gm and with a propellant mass of  $\sim 100$  gm brings the total mass as of this month to  $\sim 1056$  gm. This leaves a whopping 446 gm for the paraglider, canopy, and nosecone.



Next month, I will continue working on the flight system. I plan on sewing (by hand) the paraglider and attaching it to the frame.