

April Status Report

Section 1: Activities of team members

This month we 3D printed all of our payload pieces and worked on assembly. We have nearly completed all of the programming. The servo coding will be completed within the next week. We have acquired aerogel from NASA.

Section 2: Issues encountered during payload design/development

Our first round of 3D-printed materials was thinner than necessary, so we had to reprint them. In general, we had a difficult time with the printer, but it worked in the end.

Section 3: Milestones Achieved

Software Development
3D printed completed
Prototype being built
PSIP completed

Section 4: Current team members and leaders

Margaret Blumm - paperwork, deadlines, aerogel, and helping with anything else!

Kevin Briglia - electrical system, mechanical system, help with coding the arduino

Ellie Bulka - begin prototyping stage; either helping build capsule or testing GPS and other elements at low temps.

Paul Acosta - mechanical design, testing, build team, and integration.

Holly Hutchison - main focus is software system, programming the arduino.

Marieta Nedyalkova - aerogel testing and integration (once at hand),

Joseph Gridley - Science and mechanical, fabrication/build team

Giovanni Malaty- Mechanical/Systems; will help with fabrication of housing and assembly, as well as take care of other required systems tasks.

Michael Ulrich - Clean Room Assembly, integrated systems testing, other assembly that is needed, and anything else available.