



University of Maryland  
March 2012 Status Update

### HASP 2012: StratoPigeon III

#### 1. Activities of Team Members

The electronics team has begun populating the new PCBs while waiting for the remainder of the components. The mechanical team has completed detailed CAD of the detach mechanism and has everything required to machine and order the full mechanical design. We have continued talking with Antarctic science teams about interest in using the payload and have had positive results. We have also been continuing to work on other funding sources.

#### 2. Issues Encountered During Design

No current issues have been encountered.

#### 3. Milestones Achieved in March

- a. First PCBs arrived
- b. PCB components ordered
- c. PCB population and testing started
- d. Detailed CAD completed

#### April Target Milestones

- e. Finish PCB population and testing
- f. Software development started
- g. Detach testing (bench and limited drop)

#### 4. Current Team Members and Leaders

Team Members who will be actively participating in our HASP Payload development are as follows:

Dr. Mary Bowden - Faculty Advisor

[bowden@umd.edu](mailto:bowden@umd.edu)

301-275-7723

Connie Ciarleglio - Student Lead/Electronics Lead

[cciarleg@umd.edu](mailto:cciarleg@umd.edu)

202-441-0103

Chris Carlsen - Mechanical Systems Lead

[rentacop.intern@gmail.com](mailto:rentacop.intern@gmail.com)

David Thorig - Ground Software Lead & Testing

[davidthorig@yahoo.com](mailto:davidthorig@yahoo.com)

Kristy Weber - Electronics & Operations

[kjweber@umd.edu](mailto:kjweber@umd.edu)

Lauren Powers - Mechanical Systems

[powersl@terpmail.umd.edu](mailto:powersl@terpmail.umd.edu)