



University of Maryland  
May 2012 Status Update

### **HASP 2012: StratoPigeon III**

#### 1. Activities of Team Members

Some progress has been made by the electronics, mechanical, and software teams. The mechanical team has designed a new casing for the HASP payload in order to be lighter and smaller than the previous casing. Pricing for the payload casing in different materials is being done.

The electronics team finished all board revisions and is ready to order the final flight electronics after revisions to the first set. Compilation and testing of flight software continues on the current set of hardware.

#### 2. Issues Encountered During Design

Undergraduate graduation has slowed progress and slowed the desired schedule for May, but we are confident in June when undergraduate employment begins, we can regain our timeline.

#### 3. Milestones Achieved in May

- a. Continued software development
- b. 2<sup>nd</sup> revision electronics design and board layout done

#### June Target Milestones

- c. Order 2<sup>nd</sup> revision of custom flight electronics
- d. Order payload molding
- e. Test flight late June

#### 4. Current Team Members and Leaders

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

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