

## **HASP Monthly Status Report - February 2016**

Arizona State University - HIDRA

February 26, 2016

Student Leader: John McCulloch

Faculty Advisor: Chris Groppi

### **1. Milestones**

- Revised payload goals and functions to conform to HASP comments
- Completed a critical design review of revised payload
- Revised original proposal for resubmission

### **2. Summary of Activities**

The team reviewed and responded to the commentary and recommendations made by the reviewers by submitting a revised proposal. The most significant change from the original to the revised proposal is the descoping of the inflatable antenna and CO<sub>2</sub> sensor. (Reasoning found in revised proposal.) Additionally, heaters with thermocouples were added to the payload to ensure devices will function shortly after power is received from HASP.

### **3. Issues Encountered**

- Payload fabrication is delayed pending acceptance of the revised proposal.

#### 4. Team Structure and Demographics:

Name	Role	Status	Education	Gender	Ethnicity	Email
John McCulloch	Project Manager	Active	Undergraduate Student	Male	Caucasian	jpmccull@asu.edu
Bradley Karas	Systems Engineer	Active	Undergraduate Student	Male	Caucasian	amastrea@asu.edu
Alex Mastrean	Testing/Quality Engineer	Active	Undergraduate Student	Male	Caucasian	bkaras1@asu.edu
Cheyenne Howard	Science Team	Active	Undergraduate Student	Female	Caucasian	cwhowar2@asu.edu
Jacob Trahan	Software Engineer	Active	Undergraduate Student	Male	Caucasian	jrtrahan@asu.edu
Jia Zhuang	Communications Engineer	Active	Undergraduate Student	Female	Asian	jzhuang3@asu.edu
John Stone	Sensor Engineer	Active	Undergraduate Student	Male	Caucasian	jdstone7@asu.edu
Kelly Johnson	Thermal Engineer	Active	Undergraduate Student	Female	Caucasian	kejoh20@asu.edu
Nathan Wilson	Mechanical Engineer	Active	Undergraduate Student	Male	Caucasian	ndwilso4@asu.edu
Srinidhi Ravi	Science Team	Active	Undergraduate Student	Female	Asian Indian	sravi13@asu.edu
Stone Hanlon	Power Engineer	Active	Undergraduate Student	Male	Caucasian	sahanlon@asu.edu
Christopher Groppi	Faculty Advisor	Active	Professor	Male	Caucasian	cgroppi@asu.edu
Andrew Thoeson	Graduate TA	Active	Graduate Student	Male	Caucasian	athoesen@asu.edu
James Cornelison	Graduate TA	Active	Graduate Student	Male	Caucasian	jcornel@asu.edu
<i>Candace Ashley</i>	<i>Science Team</i>	<i>Inactive</i>	<i>Undergraduate Student</i>	<i>Female</i>	<i>Caucasian</i>	--
<i>Jekan Thangavelautham</i>	<i>Faculty Advisor</i>	<i>Inactive</i>	<i>Professor</i>	<i>Male</i>	<i>Asian Indian</i>	--
<i>Erik Asphaug</i>	<i>Faculty Advisor</i>	<i>Inactive</i>	<i>Professor</i>	<i>Male</i>	<i>Caucasian</i>	--