

HASP Monthly Status Report - May 2016

Arizona State University - HIDRA

May 27, 2016

Student Leader: John McCulloch

Faculty Advisor: Chris Groppi

1. Milestones

- Completed and presented a preliminary flight readiness review
- Continued camera calibration
- Continued preliminary systems testing

2. Summary of Activities

The team spent the early part of May beginning full systems testing and working on a preliminary flight readiness review for the completion of the semester. The review indicated that HIDRA is not yet ready to fly, but is nearly there. Due to finals week and graduation week, few additional milestones were completed. John McCulloch and Bradley Karas have been hired by the School of Earth and Space Exploration to complete the HIDRA system and ensure all HASP requirements are met. Additionally, Nijiel Rocha has joined the HIDRA team for the summer to assist in the completion of the system and Jacob Trahan, Alex Mastrean, and Srinidhi Ravi are continuing in their roles over the summer.

3. Issues Encountered

- Delay in parts arriving due to lost package. Had to reorder second current sensor and cables.
- Delay in machining some last items due to new machine shop rules. Rectified by redoing training.
- Majority of team graduated or left for summer. Rectified by the hiring of John McCulloch and Bradley Karas as well as the volunteering of core team members Jacob Trahan, Alex Mastrean, and Srinidhi Ravi and adding Nijiel Rocha to the HIDRA team.

4. Team Structure and Demographics:

Name	Role	Status	Education	Gender	Ethnicity	Email
John McCulloch	Project Manager/Systems Engineer	Active	Graduate Student	Male	Caucasian	jpmccull@asu.edu
Bradley Karas	Mechanical Engineer/Systems Engineer	Active	Graduate Student	Male	Caucasian	bkaras1@asu.edu
Alex Mastrea	Testing/Quality Engineer	Active	Undergraduate	Male	Caucasian	amastrea@asu.edu
Jacob Trahan	Software Engineer	Active	Undergraduate	Male	Caucasian	jrtrahan@asu.edu
Srinidhi Ravi	Science Lead	Active	Undergraduate	Female	Asian Indian	sravi13@asu.edu
Nijiel Rocha	Support Engineer	Active	Undergraduate	Male	Hispanic	nerocha@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
<i>Cheyenne Howard</i>	<i>Science Team</i>	<i>Inactive</i>	<i>Undergraduate</i>	<i>Female</i>	<i>Caucasian</i>	--
<i>Jia Zhuang</i>	<i>Communications Engineer</i>	<i>Inactive</i>	<i>Undergraduate</i>	<i>Female</i>	<i>Asian</i>	--
<i>John Stone</i>	<i>Support Engineer</i>	<i>Inactive</i>	<i>Undergraduate</i>	<i>Male</i>	<i>Caucasian</i>	--
<i>Kelly Johnson</i>	<i>Thermal Engineer</i>	<i>Inactive</i>	<i>Undergraduate</i>	<i>Female</i>	<i>Caucasian</i>	--
<i>Nathan Wilson</i>	<i>Support Engineer</i>	<i>Inactive</i>	<i>Undergraduate</i>	<i>Male</i>	<i>Caucasian</i>	--
<i>Stone Hanlon</i>	<i>Power Engineer</i>	<i>Inactive</i>	<i>Undergraduate</i>	<i>Male</i>	<i>Caucasian</i>	--
<i>James Cornelison</i>	<i>Graduate TA</i>	<i>Inactive</i>	<i>Graduate Student</i>	<i>Male</i>	<i>Caucasian</i>	--
<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>	--