

# HASP Monthly Status Report - November 2016

Arizona State University - HIDRA

November 29, 2016

Student Leader: John McCulloch

Faculty Advisor: Chris Groppi

## 1. Milestones

- Image Analysis
- Scientific Report Write-Up

## 2. Summary of Activities

The HIDRA team spent this month working on writing portions of the final report as well as analyzing the images retrieved from the HIDRA payload. This involved analyzing the calibration data collected pre-integration and using it to correlate pixel values in the FLIR images collected during flight to approximate temperature values. In addition to working on the analysis and report, the HIDRA team presented to the public at ASU's Earth and Space Exploration Day.

## 3. Issues Encountered

- Temperature of the tarmac at launch time was lost.
- HIDRA did not record GPS coordinates properly.

#### 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
Jacob Trahan	Software Engineer	Active	Undergraduate	Male	Caucasian	jrtrahan@asu.edu
Nijiel Rocha	Support Engineer	Active	Post - Undergraduate	Male	Hispanic	nerocho@asu.edu
Akshay Vijay	Support Engineer	Active	Undergraduate	Male	Asian Indian	avijay4@asu.edu
Christopher Groppi	Faculty Advisor	Active	Professor	Male	Caucasian	cgroppi@asu.edu
<i>Andrew Thoeson</i>	<i>Graduate TA</i>	<i>Inactive</i>	<i>Graduate Student</i>	<i>Male</i>	<i>Caucasian</i>	
<i>Alex Mastrean</i>	<i>Testing/Quality Engineer</i>	<i>Inactive</i>	<i>Undergraduate</i>	<i>Male</i>	<i>Caucasian</i>	
<i>Srinidhi Ravi</i>	<i>Science Lead</i>	<i>Inactive</i>	<i>Undergraduate</i>	<i>Female</i>	<i>Asian Indian</i>	
<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>	--