



HASP 2018 Monthly Status Report

Report Month: January, 2018
Submitted by: Ricardo J. Saborio
Submit Date: 1 / 31 / 2018
Institution: University of Minnesota
Payload Number: 2018-03
Payload Name: High Altitude X-Ray/Gamma-Ray Detector Testbed (HAXDT)

I) Activities During Previous Month:

The HASP 2018 Application Evaluation was received and the team has begun the process to gather all requested data and fix the issues outlined by the reviewers. Similarly, a thorough outline of this year's work to be done in HASP is being created. We are using GANTT charts to organize the milestones and activities to be performed by each sub-team and the team as a whole. Additionally, the team is beginning the recruitment process of new members to replace team members who are graduating this year.

II) Issues Encountered:

Various aspects of our HASP 2018 application have to be fixed. We are carefully looking back at our application and determining what has to be added/replaced based on the reviewers comments.

III) Milestones Achieved:

The University of Minnesota was provisionally accepted in the HASP 2018 flight.

IV) Plans for Coming Month:

We are planning on completing the following tasks during the next month:

- Recruiting new members for each sub-team and begin their training.
- Fix and resubmit our application for the HASP 2018 flight.
- Finish the GANTT charts for this year's work in HASP.
- Begin manufacturing of the HASP 2018 payload.

V) Other Comments:

None.

VI) Team Composition and Organization:

Name	Start Date	End Date	Role	Student Status	Race	Ethnicity	Gender	Disability
Abigail Valero	Summer 2017	Present	Chief Engineer	Undergraduate Junior	Caucasian	Hispanic	Female	None
Ricardo Saborio	Jan 2017	Present	HASP Lead	Undergraduate Junior	Caucasian	Hispanic	Male	None
Joel Runnels	Sept 2015	Present	Technical Consultant (Detector Engineering and physics) Payload Lead	Graduate Student	Caucasian	Non-Hispanic	Male	None
Samuel Drehmel	Spring 2017	Present	Detector Systems Physicist (Calibration and testing)	Undergraduate Senior	Caucasian	Non-Hispanic	Male	None
Jenna Burguet	Spring 2017	Present	Detector Systems Physicist (Calibration and testing)	Undergraduate Sophomore	Caucasian	Non-Hispanic	Female	None
Maxwell Yurs	Jan 2016	Present	Detector Systems Lead (Calibration and testing)	Undergraduate Senior	Caucasian	Non-Hispanic	Male	None
Gaurav Manda	Spring 2017	Present	FPGA Lead	Undergraduate Senior	Asian	Non-Hispanic	Male	None
Runsheng Ma	Summer 2017	Present	FPGA Team Member	Undergraduate Sophomore	Asian	Non-Hispanic	Male	None
Inho Jong	Summer 2017	Present	FPGA Team Memeber	Undergraduate Senior	Asian	Non-Hispanic	Male	None
Andrew Mosin	Spring 2017	Present	Payload Systems Software Lead	Undergraduate Junior	Caucasian	Non-Hispanic	Male	None
Anas Ghazanfar	Summer 2017	Fall 2017	Flight Computer Team Member	Undergraduate Junior	Asian	Non-Hispanic	Male	None
Aaron Nightingale	May 2016	Present	Payload Systems Hardware Lead	Undergraduate Senior	Caucasian	Non-Hispanic	Male	None

Athanasios Pantazides	Spring 2017	Present	Payload Systems Hardware	Undergraduate Junior	Caucasian	Non-Hispanic	Male	None
Melissa Nightingale	Fall 2016	Present	Flight Structures Engineer Lead	Undergraduate Sophomore	Caucasian	Non-Hispanic	Female	None
Spencer Zwashka	Spring 2017	Present	Flight Structures Engineer	Undergraduate Junior	Caucasian	Non-Hispanic	Male	None
Mitch Rogalsky	Spring 2017	Present	Power Systems Lead	Undergraduate Senior	Caucasian	Non-Hispanic	Male	None
Stephanie Wilson	Spring 2017	Present	Power Systems Engineer	Undergraduate Senior	Caucasian	Non-Hispanic	Female	None
Lukas Zumwalt	Summer 2017	Present	Communications Lead	Undergraduate Sophomore	Caucasian	Non-Hispanic	Male	None
Ryan Thomas	Summer 2017	Present	ADCS Team Lead	Undergraduate Junior	Caucasian	Non-Hispanic	Male	None