

January 31, 2014

To: Dr. T. Gregory Guzik - HASP Project Director
From: Seth Frick – Team Lead
RE: HASP Monthly Status Report

1. Activities

Began placing orders for and receiving new components, both to replace damaged ones and support the additional experimentation being added to the payload this year. This includes a new GPS receiver, a photodiode and scintillator for the second detector, and ICs from Amptek to populate the second channel of the detector front board.

Participated in a department-wide informational session for various research and build projects to potentially recruit new students. A few students have expressed interest.

Established timeline for testing of current and new detectors, both for background noise and energy characterization of a known x-ray source.

2. Issues Encountered

Communicating with some manufacturers/suppliers has proved difficult and will delay the receipt of some components. Luckily, extra time had been allotted in preparation for such circumstances.

3. Milestones Achieved

Received full flight acceptance status for the 2014 HASP mission.

4. Current Student Team

Name	Gender	Ethnicity	Race	Student Status	Responsibilities
Seth Frick	M	Non-hispanic	Caucasian	Graduate 1 st year	Team lead
Andrew Mahon	M	Non-hispanic	Caucasian	Undergraduate Junior	GPS and IMU operation, structure hardware configuration and fabrication
Haley Rorvick	F	Non-hispanic	Caucasian	Undergraduate Junior	Structure design, hardware configuration, and fabrication
Josiah DeLange	M	Non-hispanic	Caucasian	Undergraduate Junior	Flight computer and power systems, flight software
Alec Forsman	M	Non-hispanic	Caucasian	Undergraduate Junior	Flight computer and power systems, flight software
Seth Merrifield	M	Non-hispanic	Caucasian	Undergraduate Junior	Thermal monitoring and protection.
John Jackson	M	Non-hispanic	Caucasian	Undergraduate Junior	Detector energy detection and testing