

July 29, 2016

To: Dr. T. Gregory Guzik - HASP Project Director
From: Hannah Weiher-Project Manager
RE: HASP Monthly Status Report

1. Activities

All board designs complete and received. Testing of these boards completed.

Coding of flight computer complete and integrated with full stack.

Two communications range tests were completed along with crc algorithm. The first was a high altitude balloon flight which was partially successful. It was not fully successful due to a missing part which was then ordered and received for the second comm test. The second comm test was completed on the ground and made a successful connection. RX and TX was not successful due to interference from the ground. (In lab testing, RX and TX is successful.)

CAD models of structure complete and 3-D printing was complete. Building and assembling is underway and was completed July 28th.

2. Issues Encountered

Initialization of SD card is successful, but is unable to write. A new board was ordered and rush shipped to mitigate this issue.

3. Milestones Achieved

Full stack is assembled and complete.

4. Current Student Team

Name	Gender	Ethnicity	Race	Student Status	Responsibilities
Hannah Weiher	F	Non-Hispanic	Caucasian	Graduate Student	Team lead
Charles Denis	M	Non-Hispanic	Caucasian	Graduate	Technical Consultant
Tim Kukowski	M	Non-Hispanic	Caucasian	Undergraduate Senior	Chief Engineer
Joel Runnels	M	Non-Hispanic	Caucasian	Graduate Student	Technical Consultant (Detector engineering and physics)/Payload Lead
Ryan Vogt	M	Non-Hispanic	Caucasian	Undergraduate Sophomore	Detector Systems Physicist (Calibration and testing)
Kendra Bergstedt	F	Non-Hispanic	Caucasian	Undergraduate Sophomore	Detector Systems Physicist (Calibration and testing)

Name	Gender	Ethnicity	Race	Student Status	Responsibilities
Maxwell Yurs	M	Non-Hispanic	Caucasian	Undergraduate Junior	Detector Systems Lead (Calibration and testing)
Jeffery Chaffin	M	Non-Hispanic	Caucasian	Undergraduate Senior	Detector Systems Physicist (Calibration and testing)
Gaurav Manda	M	Non-Hispanic	Asian	Undergraduate Sophomore	Detector board redesigns
Luke Granlund	M	Non-Hispanic	Caucasian	Undergraduate Senior	Payload Systems Software
Aaron Nightingale	M	Non-Hispanic	Caucasian	Undergraduate Junior	Payload Systems Hardware
Seth Willing	M	Non-Hispanic	Caucasian	Undergraduate Junior	Flight Structures Engineer
Andrew Sit	M	Non-Hispanic	Caucasian	Undergraduate Sophomore	Flight Structures Engineer