HAGGS February 2015 Status Update
Arizona State University

Team Activities:

1. The team continues to meet with the faculty advisor, Dr. Srikanth Saripalli, on Tuesdays and Thursdays to discuss the progression of the payload.
2. Rewrote proposal to comply with feedback from HASP reviewers.
3. Compiled a list of and ordered needed parts. Currently, the team is awaiting delivery for remaining parts.
4. Team decided to incorporate a GPS on the HAGGS payload.
5. The mechanical design has been updated to address previous issues. The housing material for the payload was chosen to be 3D-printed plastic.
    a. The specifications for the half-scale model are being prepared in order to print a smaller model for the casing that can be used to determine weight and other parameters of the payload.

Issues Encountered During Payload Design/Development:

1. The G460 Multi-Gas analyzer is more expensive than previously estimated. We have found a great alternative that utilizes different sensors to test for specific gases and it is cheaper as well as has less mass.

Milestones Achieved:

1. Revised proposal has been completed and submitted.
2. HASP reviewer comments have been fixed and/or addressed.
3. Completed the basic Arduino tutorials from previous month.
4. HAGGS fixed the issue of collecting UV data on a rotating gondola that was an issue encountered during the payload design from last month.
5. All parts have been ordered except for the gas analyzer component.

HAGGS Team Members: