

Team PLEASE
Monthly HASP Status Report for January 2013

Members: Joshua Frick and Joel Taylor
Adviser: Michael Cherry

Objectives Completed:

- HASP application submitted and accepted
- Comments received

Objectives In Progress:

- We have read through the comments on our application and are working on revising the project accordingly. In particular it seems we have a lot of work to do on the thermal components, such as heating and cooling.
- The Arduino code for the GPS is tentatively completed; it verifies and compiles, but the Arduino will not display the data. We are looking into the problem which is most likely due to the GPS shield
- We are in the process of figuring out how to automate the camera controls via the Arduino. It seems we need to purchase a GPS Host Shield to accomplish this, which we did not account for originally
- We are researching camera models for the sun camera that fit our specifications, and are close to ordering a lens and filter for the star camera

For Next Month

- Both GPS and star camera will be successfully controlled by the Arduino; we are near completion on both components
- We will have the sun camera ordered in the beginning of the month so we can incorporate it into the Arduino code
- Thermal controls will be given more thought, as well as the amount of visibility the balloon itself obscures