

Team PLEASE

February Status Report

HASP

Activities of the Team:

Both Josh and Joel have been working on developing a breakout board that will allow us to use a Copernicus GPS Module on the GPS shield that we already have. A preliminary design for the board has been given to the electronics shop for review and fabrication.

Prior to that our main focus was addressing the comments and questions about our HASP application. This involved rethinking the thermal system and also considering the effect of the balloon itself obstructing the view of the sun camera.

All activities directed toward the star camera have been temporarily put on hold. Primary focus has been on the sun camera

Problems Encountered:

The GPS that we already had does not function over 60,000ft so a new one will have to be ordered.

It was decided that the Arduino Mega was a better fit for this project instead of the Arduino Uno, so those will have to be ordered as well.

To address the application comments we had to think about factors that we hadn't considered and also rethink some of the components that we already had.

Milestones Achieved:

Comments on application were addressed and submitted.

Breakout board has been designed and submitted for fabrication.

Current Team Members and Demographics:

Members: Josh Frick and Joel Taylor

Faculty Advisor: Michael Cherry

With Guidance From: Michael Stewart