



ASU- High Altitude Tracking Solar Survey (HATS 2.0)

Project Update: February '13
Project Manager: Pye Pye Zaw

Date: 2/22/2013
Contact: Pye2zaw@asu.edu

Summary:

This month, our team was mostly focused on addressing the comments in the feedback of our proposal. We have produced an updated Gantt chart and have received some of our components for initial testing. There has been a setback in the ability to run tests on the received components due to inaccessibility of lab space that will be resolved in the next week. We are holding back on the programming as well until more components are received. All students are now machine shop certified. We have dedicated some time to researching more on the specifics of solar concentrations. In addition, we were able to set up an outreach booth at the monthly Earth and Space Open House at ASU to raise awareness about HATS 2.0 and the HASP program. There have been no additional personnel to the team.

The following is division of labor and responsibilities:

- Project Management: Pye Pye Zaw
- Systems Engineer: Jose Lopez
- Mechanical: Jacob Kloos
- Software: John Paul Jones and Elizabeth Dyer
- Electrical: Jason Babbel and Josh Lincoln

Key Accomplishments:

- Updated Gantt chart
- Received solar panel for tests
- Outreach and awareness
- Additional research
- Acquired lab space (awaiting access)

Upcoming Tasks:

- Solar panel testing (Josh and team)
- Flight Operations Plan (Pye and Liz)
- Produce model of payload structure (John and Jake)
- Updated ConOps (Pye and Liz)
- In depth thermal analysis response (Jason and Josh)
- Contacting companies for potential donations (Liz)

Questions for HASP:

N/A