

OLite Progress Report

January 28, 2011

Notes

The OLite team is still looking to and ready to fly on the HASP Balloon in early 2011.

Team Activities

Since receiving the payload back in State College in August, the team has completed a number of tasks:

- Corrected problems discovered during integration including rebuilding the flight computer and fixing the GNC experiment
- Calibrated the Power Experiment and GNC experiment through day long operations for solar measurements and against the magnetic field for the magnetometer.

The payload is also being used to test revisions to the boards by separating out flight boards and putting testing the new flight computer that will be used on O2.

The thermal system is also being revised through modeling to better maintain internal temperature. This will not affect power consumption numbers for the OLite payload.

Design/Development Issues

N/A

Milestones

N/A

Current Leaders

Project Management	Allen Kummer
Mechanical	Matt Becker
Power Subsystem	Alex Hackett
Command and Data Handling Subsystem	
Hardware	Nate Butler
Software	David Zhang
Guidance Navigation and Control Experiment	Andrew Palski
Communications Experiment	
Radio	Steve Devore
Antenna	Scott Pfeiffer
Power Experiment	Alex Hackett

*Full list of participating students available on request

Contact Information

Allen Kummer
OLite Project Manager
atk50250@psu.edu

Dr. Sven Bilén
SSPL Director and Faculty Advisor
sbilen@enr.psu.edu