

# OLite 2 Progress Report

April 29, 2011

## Team Activities

With the exception of the Solar Panel boards, all circuit boards for the CubeSat Simulator have been received and are in the process of being populated and tested. Progress has been slowing with finals coming up, but many members of the team are expected to remain after finals to complete individual level circuit boards and finalize preparations for O2 integration.

The following subsystems have demonstrated operation of their protoflight boards: Comm, Power Regulation, Battery, thermal (circuit integrated in subsystem boards but is demonstrated). This leaves the solar panels, GNC and CDH to be completed.

The thermal team has completed manufacturing of heaters for use in the flight payload.

No development work has been done on the OLite payload.

## Design/Development Issues

N/A

## Milestones

PSIPs for OLite and O2 submitted with this report.

## Current Leaders

Project Management	Allen Kummer
Mechanical	Matt Becker
Power Subsystem	Alex Hackett
Command and Data Handling Subsystem	David Zhang
Guidance Navigation and Control Experiment	Andrew Palski
Communications Experiment	Steve Devore
Ground Station	Josh Miller
Power Experiment	Alex Hackett
Thermal	Michael Boeckel

\*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