OLite 2 Progress Report

June 24, 2011

Team Activities

Integration has progressed with demonstrations of the GPS and power regulation boards integrated into the CubeSat Simulator and communicating with the C&DH systems.

Integration testing is proceeding with communication to the sun sensor ADCs. While the same family of ADC is used for housekeeping thoughout the O2 system, the sun sensor ones are proving to be more challenging.

We have made the decision to fly the O2 Payload (HASP 2011) in place of OLite on HASP 2010 as well as on the HASP 2011 flight.

The team has begun testing general functions of the flight software and flight schedule.

The mechanical team has been building the flight unit and will have one unit prepared for mechanical integration July 8th with a spare to follow soon.

The team had decided to drive down to integration rather than fly with the planned arrive still on the Sunday before integration begins.

Design/Development Issues

N/A

Milestones

Electrical Integration Completion: 6/27
Mechanical Integration Completion: 7/8
Environmental Testing: 7/11 - 7/22

Current Leaders

Project Management	Allen Kummer
Mechanical	Andre Coleman
Power Subsystem	Ian Morrow
Command and Data Handling Subsystem	Daniel Gilbert, Tucker Connors
Guidance Navigation and Control	Scott Teal
Communications	Steve Devore
Ground Station	Josh Miller
Thermal	Andre Coleman

*Full list of participating students available on request

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