

OLite Progress Report

July 30, 2010

Team Activities

OLite has been packaged up in its flight configuration and tested for the full flight duration. We are reporting good data from the Power and GNC experiments as well as housekeeping from the payload itself.

The CDH system has demonstrated robustness across operating conditions and subsystem failures. It has also demonstrated the ability to modify its operating state based on in flight commands.

We have addressed previous thermal problems (from prior flights) by building adding manually controlled temperature sensors and heaters . These should keep the payload within operational ranges.

As of now, the major remaining activity is testing the communications experiment this weekend to see that it can be made to meet its requirements before this weekend. At this time the OLite experiment is prepared for flight and tested for flight.

Design/Development Issues

We are still waiting on word if David Zhang will be included as part of the integration team.

Milestones

N/A

Current Leaders

Project Management	Allen Kummer
Systems	Phil Weir
Mechanical	Corey Friedenberger
Power Subsystem	Alex Hackett
Command and Data Handling Subsystem	
Hardware	Eric Root
Software	David Zhang
Guidance Navigation and Control Experiment	Alex Malone
Communications Experiment	
Radio	Steve Devore
Antenna	Scott Pfeiffer
Power Experiment	Alex Hackett

*Full list of participating students available on request

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