

OLite Progress Report

January 29, 2010

Team Activities

The OLite team has been completing designs leading up to the project CDR next week.

Progress By Subsystem

- Mechanical – Initial structural prototype completed
- Power Subsystem – Regulation, distribution and monitoring blocks have been individually verified
- CDH Subsystem – Software interfaces written and verified for all subsystems, hardware schematic complete, layout 80% complete
- Comm Experiment – Brass board operation of the system has been demonstrated, and schematics completed, board layout started
- Power Experiment – Schematics completed
- GNC Experiment – Magnetometer demonstrated, board schematic complete

Prior to their subsystem CDRs next week, each electrical group will have completed flight board schematics and board layouts

Design/Development Issues

No design issues have arisen that cause a deviation from the HASP standard or requirements

Milestones

The OLite mission is set to have its subsystem/experiment level CDR next week. Following the CDRs, the subsystems and experiments will move to building their flight boards, and verifying their operation at the subsystem or experiment level.

Current Leaders

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|--|---------------------|
| Project Management | Allen Kummer |
| Systems | Phil Weir |
| Mechanical | Corey Friedenberger |
| Power Subsystem | Matthew Anderson |
| 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 | Matthew Anderson |

*Full list of participating students available on request

Contact Information

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