

OLite 2 Progress Report

July 29, 2011

Team Activities

The OLite 2 system has integrated the GPS and solar panel portions of the flight experiments.

The system has demonstrated a maximum power draw of 300ma, showing that the OLite 2 system meets the power requirements provided by HASP. Additionally, prior to packing the system up for travel, the OLite 2 system demonstrated the ability to fit necessary downlink data in a 1200 baud data link as opposed to the 115200 baud the system had previously been tested at.

Additionally, the system demonstrated the ability to function during an extended low temperature test. During this test, the system demonstrated survival at -15 C ambient temperature (the min our facility could provide). We believe this to be a good preliminary test of the results we will see during the -40 C test next week.

Design/Development Issues

N/A

Milestones

Depart from State College for integration tomorrow at 10:30 am, eta late Sunday night.

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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