HASP2010
UND-UNF Payload
Monthly Status Report for July 2011

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UND-UNF team did the following work during July 2011:

(1) Revisited the payload software to confirm no changes needed to be made.

(2) Awaiting August 2011 thermal vacuum testing.

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UND-UNF team did the following work during June 2011:

(1) Payload body and thermal blanket work are completed.
(2) Fabrication, testing and calibration of new series of sensors are completed. The final calibration will be performed one more time in the next month (July) and trend line equations will also be determined in order to minimize the experimental error.
(3) Functional firmware and hardware testing of each module of the embedded system is nearly complete. Fan and kapton heater strip for sensors need to be ordered and tested. This will be done during the first week of July.
(4) U-Blox, the company that produces the GPS receiver module embedded in our system, has expressed interest in having our system log a small amount of data for their company during flight. We have turned down their request.
(5) Work on our Visual Basic compilation application used to parse all sensor readings continues.
(6) Arrangements have been made to test our embedded system in an environmental chamber as well as a vacuum chamber. This testing has been moved to July as the chambers were being serviced in June.