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EagleSat

Embry-Riddle Aeronautical University

May Status Report

Activities of Team Members

The Embry-Riddle team continued work on payload development during the month of May, with most efforts centered on completing the Nest integration module. The Nest module will now house a series of temperature and pressure sensors to observe conditions experienced by the payload during flight, which will all be secured with a new structure, to be printed in early June. Work continued on the development of a system specification document for the updated Nest module, as well as development of thorough test plans to ensure that all systems will be functional before integration in Palestine.

Issues Encountered in Payload Design

No issues were encountered during May.

Milestones Achieved

The first bench setup of the Nest sensor array was finished and basic testing has begun with it. The sensors are able to collect and log data to the onboard logger, but work is continuing to allow them to downlink data to HASP without interrupting the flow of data from EagleSat.

Current Team Members

Below is an organization chart of the current team.

