

SPARTAN-V Colorado Space Grant Consortium Monthly Status Report

24 June 2011

During the month of June the focus of the SPARTAN-V team has been resolving the interfacing issues between the CCD camera in the payload's telescope and the payload's motherboard.

It was found that the software architecture on the motherboard had not been tested and proven compatible by QSI, the maker of the CCD. Originally we thought we could edit the driver libraries for the CCD to make the two compatible, but this proved to be too time intensive. The decision was made to purchase a new motherboard with a software architecture that was known to work with the CCD. This new motherboard came in two days ago and we have been working to integrate it into the system and ensure that previously written code will still work on the new platform.

In the coming month the team will ensure functionality of the CCD and communication software (for uplink and downlink). Testing plans are currently being developed for Day In The Life testing and a more detailed Concept of Operations is being worked on for integration and flight.

We are currently planning on having three people travel to Texas for integration, and if all goes well, we will be able to delivery our payload flight-ready in Texas.

Looking forward to August,

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