Raymond J. Weber
September 27, 2013
MSU – Payload #4

Dr. Gregory Guzik
LSU HASP Program

Re: Monthly Status Report – September 2013

The MSU HASP teams work this month consisted of continuing to process flight data.

Viewing of the flight video indicates that our payload made contact with the crane boom during launch but continued to operate normally for the remainder of flight. As our sensors generate counts during acceleration events, this provided insight as to the source of a larger then expected response from the sensors at launch.

Analysis of our data has shown that we received numerous counts due to launch operations, and several smaller events during flight indicative of radiation strikes on the sensor that we are continuing to analyze. The center channel also experienced an event that resulted in a temporary oscillation in the amplifier chain during the float phase causing the cumulative counter to overflow on that channel.

Raymond Weber – Post-processing flight data.

Justin Hogan – Post-processing flight data.

Sam Harkness – No assigned tasks.

Blaine Ferris – No assigned tasks.

Issued encountered during payload design and development

- No issues were encountered this month.

Milestones Achieved

- Post-processing data

Current Team Members

| Name	Team Role	E-mail	Phone
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Sam Harkness	Team Member		
Blaine Ferris	Team Member		
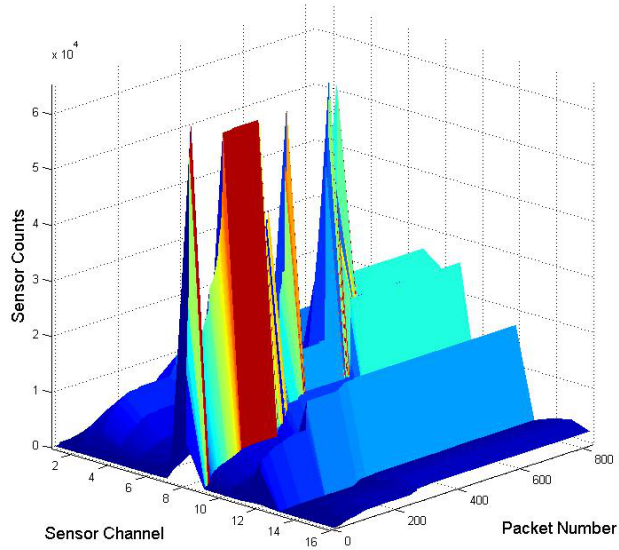
Figure 1: Surface plot of sensor 1 backside counts vs packet number (minutes since power up).