

Raymond J. Weber  
May 31, 2013  
MSU – Payload #4

Dr. Gregory Guzik  
LSU HASP Program

### Re: Monthly Status Report – May 2013

The MSU HASP teams work this month is still focused on preparation of the FPGA systems for this years flight. In addition we began analyzing the data from last months Cyclotron testing. Results from these tests so far indicate the full system operated as expected with good responses from the sensors. No significant issues were discovered with either the power or FPGA systems during these tests.

Raymond Weber – Began processing radiation test data, and developed system reliability and availability metrics. Continued work system power estimation.

Justin Hogan – Began processing cyclotron test data and continued work on the FPGA configuration RAM readback scrubber and fault injection systems.

Blaine Ferris – No assigned tasks.

### Issues encountered during payload design and development

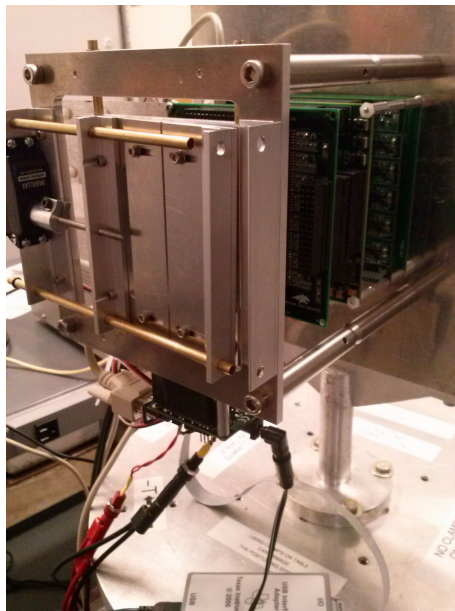
- No issues were encountered this month.

### Milestones Achieved

- Verified from the data that the flight hardware operated as expected during cyclotron tests
- Additional system benchmarking and power tests consumption were performed

### Current Team Members

Name	Team Role	E-mail	Phone
Dr. Brock LaMeres	Principal Faculty Advisor	lameres@ece.montana.edu	(406)994-5987
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Justin Hogan	Principal Team	justin.hogan@msu.montana.edu	(505)977-3844
Blaine Ferris	Team Member		



Stack mounted in the cyclotron beam  
with an movable aperture