



# HASP 2023 Monthly Status Report

**Report Month:** June  
**Submitted by:** Ismael Hernandez  
**Submit Date:** 06 / 30 / 2023  
**Institution:** Fort Lewis College  
**Payload Number:** 2023-04  
**Payload Name:** FLC Ionizing Radiation vs Solar Insolation (IRSI) Experiment

## I) Activities During Previous Month:

- Created multiple PCBs and ordered them.
- Developed first version of Geiger Counter subsystem.
- Finished coding for the Geiger Counter subsystem.
- Began testing of Geiger Counters.
- Began development of final COMMS code.
- Began prototyping COMMS PCB.
- Developed DXF files for Outer Shell and Geiger Housing.
- Created prototype of Geiger housing.
- Began finalizing placements of subsystems on the Inner Sled.
- Completed debugging of Camera code.
- Updated Camera PCB design.
- Began working on TCS.
- Completed work on Final PSIP.

## II) Issues Encountered:

- Lack of materials to create final Outer Shell and Geiger Housing.
- Many materials are still being shipped to Fort Lewis College.
- FTDI cables are not working properly.
- Some issues with COMMS code when displaying Geiger Counter data.

## III) Milestones Achieved:

- Creation of multiple working subsystem prototypes.
- COMMS code issues with Geiger Counter data resolved.
- The team was able to find a FTDI cable that worked for testing.
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## IV) Plans for Coming Month:

Fill in text as necessary

**V) Other Comments:**

**VI) Team Composition and Organization:**

<b>Name</b>	<b>Start Date</b>	<b>End Date</b>	<b>Role</b>	<b>Student Status</b>	<b>Race</b>	<b>Ethnicity</b>	<b>Gender</b>	<b>Disabled</b>
Ismael Hernandez	1/1/23	Present	Team Lead	Undergrad	White	Hispanic	Male	No
Simone Gorman	1/1/23	Present	Electrical	Undergrad	Native American	Non-Hispanic	Female	No
Jerry Jack Jr.	1/1/23	Present	Software	Undergrad	Native American	Non-Hispanic	Male	No
Miles Johnson	1/1/23	Present	Mechanical	Undergrad	Native American	Non-Hispanic	Male	No
Brandon Engle	12/1/22	Present	General Support	Recent Graduate	White	Non-Hispanic	Male	No
Charles Hakes	12/1/22	Present	Advisor/Space Grant Affiliate	Faculty	White	Non-Hispanic	Male	No