



HASP 2023 Monthly Status Report

Report Month: March
Submitted by: Ismael Hernandez
Submit Date: 03/ 31 / 2023
Institution: Fort Lewis College
Payload Number: 2023-04
Payload Name: FLC Ionizing Radiation vs. Solar Insolation (IRSI) Experiment

I) Activities During Previous Month:

- Recruited student workers for the project
- Updated and improved the Payload Specification and Integration Plan (PSIP)
- Edited sections of the PSIP for clarity
- Updated sections of the PSIP according to prior experiments using previous FLC payloads and experiences

II) Issues Encountered:

- All Space Grant (including HASP 2023 Project) supplies were moved to a new room because of a building remodel. This was done by FLC physical plant workers (i.e. non-project personnel).
- Lack of organization with the newly-moved project supplies.
- The new work area is shared by several different projects.

III) Milestones Achieved:

- The successful recruitment of new student workers to aid with the project.
- Move to new space is complete, even if it needs to be organized.

IV) Plans for Coming Month:

- Continue recruiting team members
- Continue to update the PSIP with updated design of the IRSI device
- Update the Power Specifications to include the amperages for subcomponent voltages and for the 28V “raw” voltage.
- Verify that the TCS and PMS subsystem components of the IRSI device work properly.
- Update the PCB design for the Geiger tubes.

V) Other Comments:

VI) Team Composition and Organization:

Name	Start Date	End Date	Role	Student Status	Race	Ethnicity	Gender	Disabled
Ismael Hernandez	1/1/23	Present	Mechanical	Undergrad	White	Hispanic	Male	No
Simone Gorman	1/1/23	Present	Electrical	Undergrad	Native American	Non-Hispanic	Female	No
Jerry Jack	1/1/23	Present	Software	Undergrad			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