Inter-American University of Puerto Rico
Bayamon Campus
HASP 2016
October Monthly Status Report

During the month of October the Evaluation of Atmospheric Particle Collection Performance of Three Sampling Substrates at Different Layers of the Atmosphere (EAPCPTSSDLA) team send the sponges to analysis of particle size and shape and elemental composition. Some teams keeps working with the payload to make it more efficient for the future projects with HASP or others.

Team Activities

1. The science Team (ScT) is working with the analysis of particles using SEM, particle size with IZON qNano Equipment and elemental composition with SEM-EDX.
2. The Programing Team (PT) is working with other altimeter and trying to make a better program for future projects.
3. The Power Team (PWT) is finding better voltage regulator for the payload for it doesn't repeat the problem we had with the current in the testing.
4. The Structure Team (ST) are having meting frequently to work on the drawers and making them better by making them a little big. Because the problem we had the sponges damaged due to the drawers were a little small and damaged a sponge.

Issues Encountered

1. Our Scanning Electrons Microscope was repaired and the science advisor is working with extract information in the sponges.

2. some of the sponges were damaged, but the science advisor believe that some information can be extracted.

3. We are making progress with the science report.

Milestone

Our biggest milestone this month was finally opening the capsule and extracting our sponges. The teams are working as hard they can to make the capsule better. Also we are extracting information of the sponges by using Scanning Electrons Microscope.

Objective for next month

For our next month we expect to finally extract the information successfully in the sponges and continue with the science report.

Current Team Members

This is the team structure and for now we believe that there wouldn't be any changes in the rest of the project. Every changes will be notify at every report.
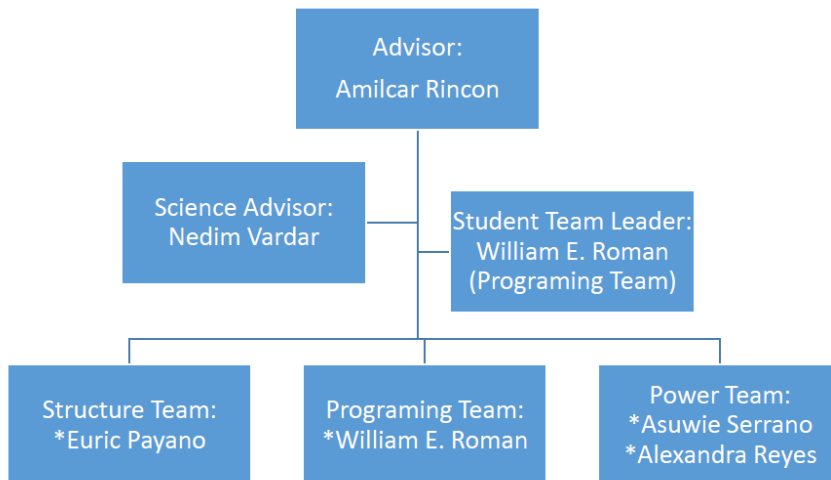

Figure1.

Demographics

Table 1 - Demographics of EAPCPTSSDLA team

Name	Gender	Ethnicity	Race	Std. Status	Disability
Euric Payano	M	Hispanic	American-Indian	Undergrad	N/A
Asuwie Serrano	F	Hispanic	White	Undergrad	N/A
Alexandra Reyes	F	Hispanic	American-Indian	Undergrad	N/A
William Roman	M	Hispanic	White`	Undergrad	N/A