



Inter-American University of Puerto Rico

Bayamon Campus

HASP 2016

November Monthly Status Report

During the month of November the Evaluation of Atmospheric Particle Collection Performance of Three Sampling Substrates at Different Layers of the Atmosphere (EAPCPTSSDLA) team was send the sponges to analysis of particle size and shape and elemental composition. The group received help to use Turabo university of Puerto Rico SEM.

Team Activities

1. The science Team (ScT) worked with the analysis of particles using Turabo University SEM, particle size with IZON qNano Equipment and elemental composition with SEM-EDX were performed.
2. The Programing Team (PT) worked with other altimeter and trying to make a better program for future projects.
3. The Power Team (PWT) found 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 worked with extract information in the sponges.
2. some of the sponges were damaged, but the science advisor believe that some information were extracted.
3. We are making progress with the science report. Milestone Our biggest milestone this month was finally to analyze the samples. The teams are working as hard they can to make the capsule better.

Objective for next month

For our next month we expect to finish 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.

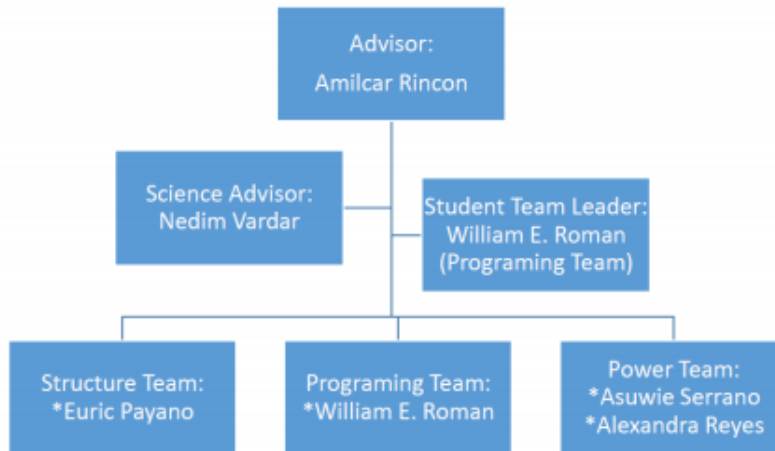


Figure1.

Demographics

Table 1 - Demographics of EAPCPTSSDLA team

Name	Gender	Ethnicity	Race	Std. Status	Disability
Eric 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