



## MUON FLUXES AS A LONG DISTANT THERMOMETER FOR WEATHER FORECASTS



**SCHOOL:** CROEM HIGH SCHOOL

**LOCATION:** MAYAGUEZ, PR

**FLIGHT PROVIDER:** AEROSTAR

**GRADES:** HIGH SCHOOL

### STUDENT EXPERIMENT DESCRIPTION

This experiment intends to measure ground data (temperature, pressure, and muon rate) using a BME688 sensor and a cosmic watch and compare it to data recollected from the troposphere and stratosphere to use the muon flux data as a long-distance thermometer for weather prediction.

