



THROUGH TRIALS OF TENSION: TROUBLE OR TRIUMPH?



SCHOOL: ESCUELA SECUNDARIA DE LA UNIVERSIDAD DE PUERTO RICO

LOCATION: SAN JUAN, PR

FLIGHT PROVIDER: AEROSTAR

GRADES: HIGH SCHOOL

STUDENT EXPERIMENT DESCRIPTION

As space travel increases, rubber could become an advantageous material to utilize as it is cost-effective, renewable, and eco-friendly. We will investigate how increasing altitude change and temperature difference affects a rubber band's resistance and endurance. Each testing period will last 30 seconds, during which the band will be expanded 150% of its original length. We will compare the experimental data to data we measure on earth prior to the flight.