



DNA MUTATIONS IN THE STRATOSPHERE



SCHOOL: RANSOM EVERGLADES SCHOOL

LOCATION: MIAMI, FL

FLIGHT PROVIDER: AEROSTAR

GRADES: HIGH SCHOOL

STUDENT EXPERIMENT DESCRIPTION

Our experiment uses the atmospheric balloon to measure the number of mutations with a biological sensor in the ambient increased ultraviolet light exposure that occurs at higher altitudes. We hypothesize that the UV radiation in the atmosphere will cause mutations in the DNA. Our inspiration was a combination of learning about DNA/mutations in class and Kelly's quote, "It's in our DNA to explore."