



ELECTROMAGNETIC SPECTRUM VARIATIONS IN THE ATMOSPHERE WITH RESPECT TO ALTITUDE



SCHOOL: CARMEN SCHOOLS OF SCIENCE AND TECHNOLOGY

LOCATION: MILWAUKEE, WI

FLIGHT PROVIDER: WORLD VIEW

GRADES: MIDDLE SCHOOL

STUDENT EXPERIMENT DESCRIPTION

Our experiment uses environmental sensors to gather data on visible & ultraviolet light from the electromagnetic spectrum, varying by altitude, and correlating to the density of different atmospheric conditions. We hypothesize to see correlations between two or more data sets. We're interested in how colors within visible light correlate to atmospheric conditions. With our teachers encouraging us to conduct research, we have learned how to measure all of these things and build this project.