



INVESTIGATING THE CORRELATION BETWEEN OZONE LEVELS AND TEMPERATURE INVERSIONS



SCHOOL: KEALAKEHE HIGH SCHOOL

LOCATION: KAILUA-KONA, HI

FLIGHT PROVIDER: WORLD VIEW

GRADES: HIGH SCHOOL

STUDENT EXPERIMENT DESCRIPTION

We want to visualize changes in temperature patterns as altitude increases and how ozone levels are impacting those patterns. We want to learn the ways we impact our environment. Due to the fact that ozone typically absorbs radiation from the sun, we hypothesize that in areas where we observe temperature inversions, our sensors will indicate higher ozone levels. Our main inspiration for this project is our current environment in Hawaii and how changes in temperature can affect our ecosystem.