



PROJECT STROBIE (STRATOSPHERIC TRACKING OF RADIATION, OZONE, BIOSPHERIC GAS EMISSIONS, AND IMAGERY EXPERIMENT)



SCHOOL: MONROEVILLE HIGH SCHOOL

LOCATION: MONROEVILLE, OH

FLIGHT PROVIDER: WORLD VIEW

GRADES: HIGH SCHOOL

STUDENT EXPERIMENT DESCRIPTION

Project STROBIE is focused on answering: how has the composition of the stratosphere changed over the last 10 years, and if it has, is there noticeable impact on agricultural production? We will use sensors to gather data on the stratosphere's changing composition. We hypothesize to detect an increased amount of CO₂ & methane, decreased amounts of ozone, and a slight increase in UV radiation. This will provide insight on the stratosphere effecting our agriculture and the rural community.