



REACTION OF METHANE WITH OTHER POLLUTANTS IN THE TROPOSPHERE



SCHOOL: ASHEVILLE HIGH SCHOOL

LOCATION: ASHEVILLE, NC

FLIGHT PROVIDER: AEROSTAR

GRADES: HIGH SCHOOL

STUDENT EXPERIMENT DESCRIPTION

Our experiment aims to better understand how methane reacts with UV radiation and other pollutants at different elevations and locations to potentially produce harmful pollutants in the troposphere. We will have two chambers, one collecting samples and the other filled with sensors to collect data. The chambers will be separated by insulation to protect the sensors at low temperatures in the upper atmosphere. The data we collect may lead to new questions that may require more experimentation.