



THE EFFECTS OF HIGH ALTITUDE ON SOLAR PANEL ENERGY OUTPUT



SCHOOL: HERBERGER YOUNG SCHOLARS ACADEMY

LOCATION: GLENDALE, AZ

FLIGHT PROVIDER: WORLD VIEW

GRADES: MIDDLE SCHOOL

STUDENT EXPERIMENT DESCRIPTION

For our project, we are planning to collect measurements of a solar panel's output as it makes its way further into the atmosphere, we do this by collecting the data on a Current Sensor, which will also measure the total voltage and wattage, then the information from the Current Sensor will be put onto an SD Card via an SD Breakout Board, which will collect data every 10 seconds and at specific points during the rise and fall.