



PROJECT NIGHTHAWK



SCHOOL: DURANGO HIGH SCHOOL

LOCATION: LAS VEGAS, NV

FLIGHT PROVIDER: WORLD VIEW

GRADES: HIGH SCHOOL

STUDENT EXPERIMENT DESCRIPTION

This experiment proposes to explore the variation of light absorption by water in the atmosphere with altitude and location. The distribution of liquid water, ice, and water vapor should alter the absorption of ambient solar light across a range of wavelengths, so direct measurement of this absorption could be used to estimate the amount and phase of water near the balloon vehicle.