



RADIATION SHIELDING IN SPACE



SCHOOL: FRIDAY HARBOR HIGH SCHOOL

LOCATION: FRIDAY HARBOR, WA

FLIGHT PROVIDER: WORLD VIEW

GRADES: HIGH SCHOOL

STUDENT EXPERIMENT DESCRIPTION

Our experiment tests the radiation-shielding abilities of various materials. We predict there may be a pattern between the amount of UV protection and gamma protection. We will detect radiation with UV and Gamma sensors that bypass various materials as the balloon travels through the ozone layer. The ozone layer and atmosphere is effective at shielding radiation, but at altitude, we can gather more accurate data about these materials' ability to shield against solar radiation.