



TERRESTRIAL MAGNETIC FIELD



SCHOOL: PHILLIPS ACADEMY IB SCHOOL

LOCATION: BIRMINGHAM, AL

FLIGHT PROVIDER: WORLD VIEW

GRADES: MIDDLE SCHOOL

STUDENT EXPERIMENT DESCRIPTION

Our team would like to measure the Earth's magnetic field strength in the high altitude balloon as it ascends, floats to the landing point, and descends back to the surface of the Earth. If the distance from the Earth's surface to the payload increases, then its magnetic field strength should decrease. Our inspiration for the experiment came from a similar experiment one of our team members did on a science fair project.