



SPACE DUST: FRIEND OR FOE?



SCHOOL: GRAND TRAVERSE ACADEMY

LOCATION: TRAVERSE CITY, MI

FLIGHT PROVIDER: AEROSTAR

GRADES: MIDDLE SCHOOL

STUDENT EXPERIMENT DESCRIPTION

We hypothesize that if one tests the amount of particulates in the stratosphere, then there will be traces of regolith found in the stratosphere. Our group would like to understand whether or not this regolith can cause harmful effects on spacecraft such as commercial airplanes. If the regolith in the lower stratosphere is magnetic, then deterioration may occur to the metal. Our inspiration was our love for space dust, and it began to grow on us.