



HELIOSTRAT - DEPLOYABLE SOLAR PANELS FOR DISASTER STRICKEN AREAS



SCHOOL: FRIENDSHIP PCS - TECHNOLOGY PREPARATORY HS

LOCATION: WASHINGTON, DC

FLIGHT PROVIDER: WORLD VIEW

GRADES: HIGH SCHOOL

STUDENT EXPERIMENT DESCRIPTION

Our experiment will show how changing the angle of a solar panel affects how much solar energy it collects, and whether it's worth using power to move the panel in the air compared to the energy it gathers. We believe the moveable panel will work better because it can track the sun to get the most sunlight. Our inspiration for this project came from Hurricane Milton, which had a big impact on our group. It made us want to find ways to help during weather emergencies.