



## INFRASOUND FINDING A CLEAR SIGNAL



**SCHOOL:** ECKSTEIN MIDDLE SCHOOL

**LOCATION:** SEATTLE, WA

**FLIGHT PROVIDER:** WORLD VIEW

**GRADES:** MIDDLE SCHOOL

### STUDENT EXPERIMENT DESCRIPTION

We will fly an infrasound microbarometer, an inertial measurement unit and camera to observe the movement of air around the balloon platform and the resulting infrasound signals, to distinguish these sources of noise from others in the area. We hypothesize that local noise contributes significantly to overall noise affecting balloon-based infrasound observations. We hope this research will help aid exploring subsurface activity on Venus, using balloons to escape its harsh surface conditions.