



X-PRESS

ARMSTRONG FLIGHT RESEARCH CENTER

Edwards, California, June 2025



NASA Awards Top Honor to Jacob Shaw for Documentary

NASA videographer Jacob Shaw captures footage of the ER-2 aircraft inside a hangar at NASA's Armstrong Flight Research Center in Edwards, California, in December 2024. Shaw recently earned first place in NASA's 2024 Videographer of the Year Awards – documentation category – for his film, "Reflections," which chronicles the 2024 Airborne Science mission PACE-PAX – short for Plankton, Aerosol, Cloud, ocean Ecosystem Postlaunch Airborne eXperiment.

NASA/Genaro Vavuris



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NASA X-59 Simulates Flight from the Ground



Lockheed Martin/Garry Tice

NASA's X-59 quiet supersonic research aircraft successfully completed a critical series of tests in which the airplane was put through its paces for cruising high above the California desert – all without ever leaving the ground.

The goal of ground-based simulation testing at NASA's Armstrong Flight Research Center in Edwards, California, was to make sure the hardware and software that will allow the X-59 to fly safely are properly working together and able to handle any unexpected problems.

Completing the tests marks another milestone before the X-59 makes its first flight.

NASA Tracks Snowmelt for Water Management



NASA/Starr Ginn

As part of a science mission tracking one of Earth's most precious resources – water – NASA's C-20A aircraft conducted a series of seven research flights in March that can help researchers track the process and timeline as snow melts and transforms into a freshwater resource. The agency's Uninhabited Aerial Vehicle Synthetic Aperture Radar (UAVSAR) installed on the aircraft collected measurements of seasonal snow cover and estimate the freshwater contained in it.

The Dense UAVSAR Snow Time (DUST) mission mapped snow accumulation over the Sierra Nevada mountains in California and the Rocky Mountains in Idaho. Mission scientists can use these observations to estimate the amount of water stored in that snow.



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