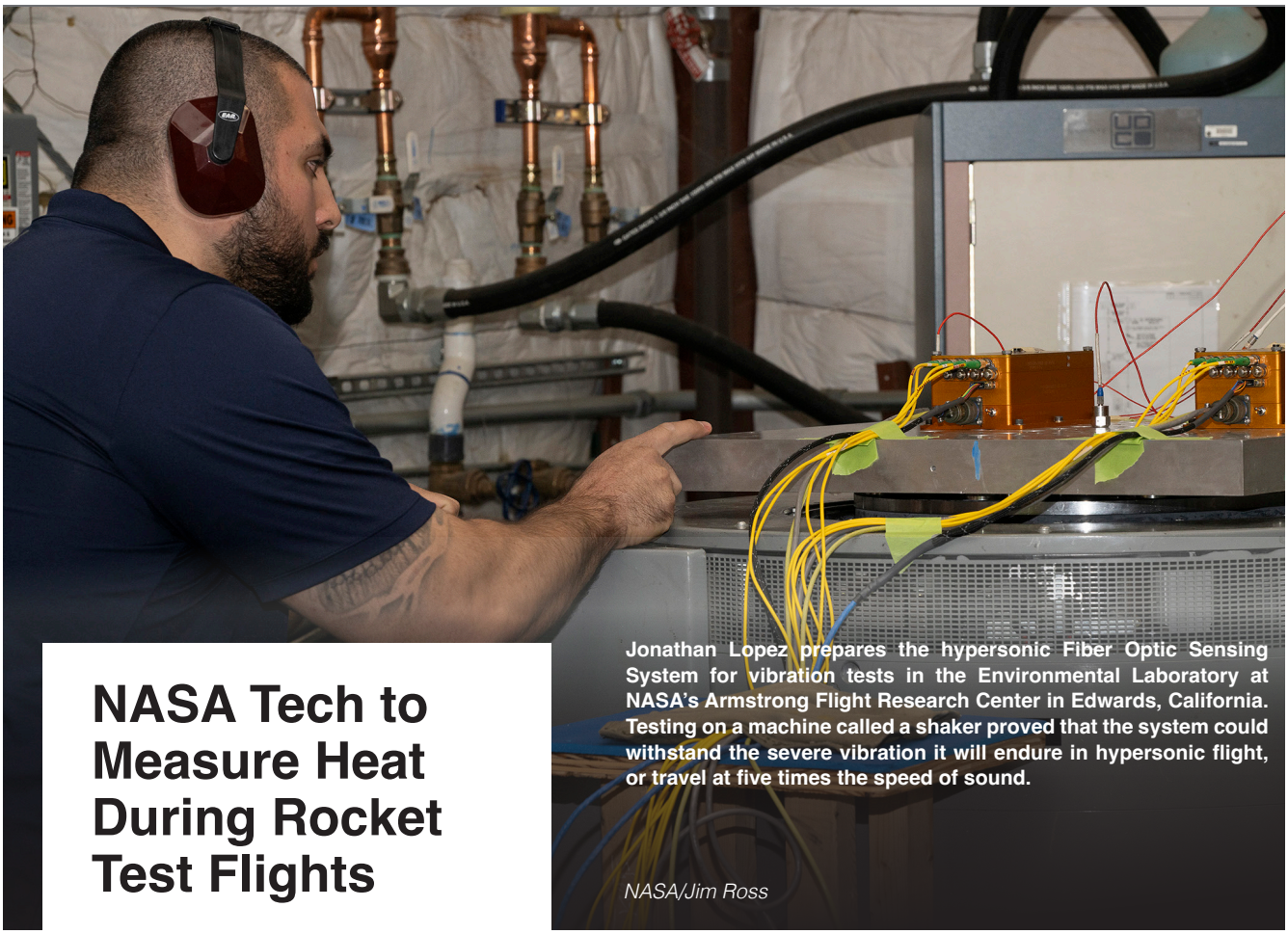
National Aeronautics and Space Administration

X-PRESS

ARMSTRONG FLIGHT RESEARCH CENTER

Edwards, California, July 2025



Jonathan Lopez prepares the hypersonic Fiber Optic Sensing System for vibration tests in the Environmental Laboratory at NASA's Armstrong Flight Research Center in Edwards, California. Testing on a machine called a shaker proved that the system could withstand the severe vibration it will endure in hypersonic flight, or travel at five times the speed of sound.

NASA/Jim Ross

NASA Tech to Measure Heat During Rocket Test Flights

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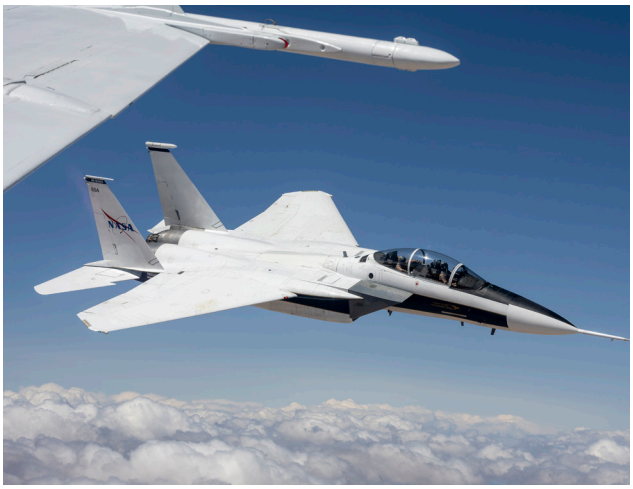
NASA F-15s Validate Tools for Quesst Mission

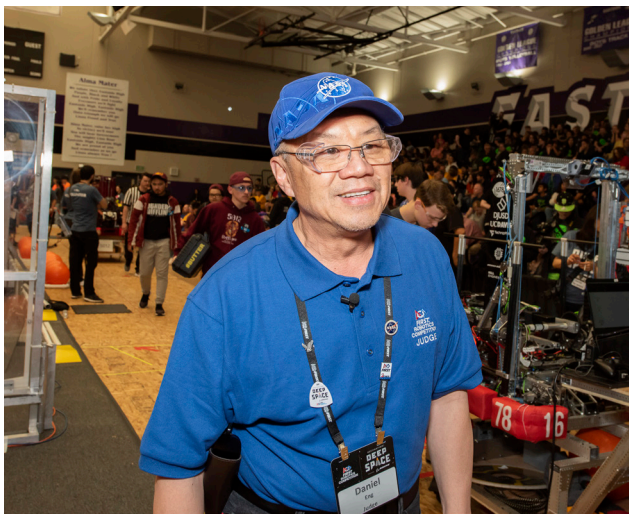


NASA/Jim Ross

High over the Mojave Desert, two NASA F-15 research jets made a series of flights in May to validate tools designed to measure and record the shock waves that will be produced by the agency's X-59 quiet supersonic experimental aircraft.

The F-15s, carrying the recording tools, flew faster than the speed of sound, matching the conditions the X-59 is expected to fly. The flights are part of the Schlieren, Airborne Measurements, and Range Operations for Quesst project. The X-59 is the centerpiece of NASA's Quesst mission to gather data that can help lead to quiet commercial supersonic flight over land.

From Garment Industry to NASA: Meet Daniel Eng



NASA/Lauren Hughes

As a child in the 1960s, Daniel Eng spent his weekends in New York City's garment district in Manhattan's Lower East Side, clipping loose threads off finished clothing. He worked alongside his mother, a seamstress, and his father, a steam press operator, where he developed an eye for detail and a passion for learning. Now, he applies these capabilities at NASA, where he works as an engineer for the Air Mobility Pathfinders project.

Eng's route to NASA was not straightforward. He dropped out of high school to join the U.S. Army, where he earned a GED, and after the service, he earned an electrical engineering degree. Eng worked as a researcher for the U.S. Navy and held jobs at several global corporations before landing at NASA Armstrong.