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[NASA Home](#) | [Centers](#) | [Dryden Home](#) | [Research](#) | [Airborne Science](#)

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Dryden Flight Research Center

# Dryden Flight Research Center

About Dryden

- [About Dryden](#)
- [Center Director](#)
- [Mission Statement](#)
- [Organizations](#)
- [Directions](#)
- [Tours](#)
- [Strategic Communications](#)
- [Freedom Of Information](#)
- [Information Services](#)
- [Local Community Events](#)

News

- [News](#)
- [Fact Sheets](#)
- [News Photos](#)
- [News Releases](#)
- [X-Press Newspaper](#)
- [X-Press Archives](#)
- [X-Press Special Editions](#)
- [Biographies](#)
- [Media Contacts](#)

Multimedia

Aircraft

Research

- [Current](#)
- [Past](#)

Education

- [Education](#)
- [Mission](#)
- [Education Resource Center](#)
- [Points Of Contact](#)
- [NASA Education Home](#)
- [Elementary And Secondary Education Programs](#)
- [Higher Education Programs](#)
- [Informal Education Programs](#)

Capabilities and Facilities

- [Capabilities and Facilities](#)
- [Advanced Planning and Partnerships Office](#)
- [Dryden's Role in Space Exploration](#)
- [Flight Research, Test, and Engineering](#)
- [Facilities, Resources, and Assets](#)
- [Employee Skills Sets](#)

Aircraft Operations Facility

- [Aircraft Operations Facility](#)
- [Maps and Directions](#)
- [Hangar 703](#)
- [DAOF Photo Gallery](#)

Doing Business

- [History](#)
- [Site Map](#)

Search Dryden

## Research

Text Size

### Airborne Science

NASA Dryden operates several unique aircraft on Earth Science missions around the globe in support of the sub-orbital flight requirements of NASA's Science Mission Directorate. A highly modified DC-8 jetliner flies a variety of missions including research of the Earth's surface and atmosphere, sensor development, and satellite sensor verification. NASA's two high-altitude ER-2 aircraft carry instruments that gather data about Earth resources, celestial observations, oceanic processes, and atmospheric chemistry. The aircraft are also used for electronic sensor research and development, satellite calibration, and satellite data validation. Scientific disciplines that employ these aircraft include earth resources, astronomy, atmospheric chemistry, climatology, oceanography, archeology, ecology, forestry, geography, geology, hydrology, meteorology, volcanology and biology.



[Program Pages](#)   [Movie Gallery](#)   [Press Release](#)

› [Back To Top](#)

Page Last Updated: March 1, 2008  
Page Editor: Marty Curry  
NASA Official: Brian Dunbar

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