



SCIENCE

As only NASA can

Dr. Nicky Fox

Associate Administrator,
Science Mission Directorate (SMD),
NASA Headquarters



NASA SCIENCE THEMES

UNLOCK SECRETS OF THE UNIVERSE

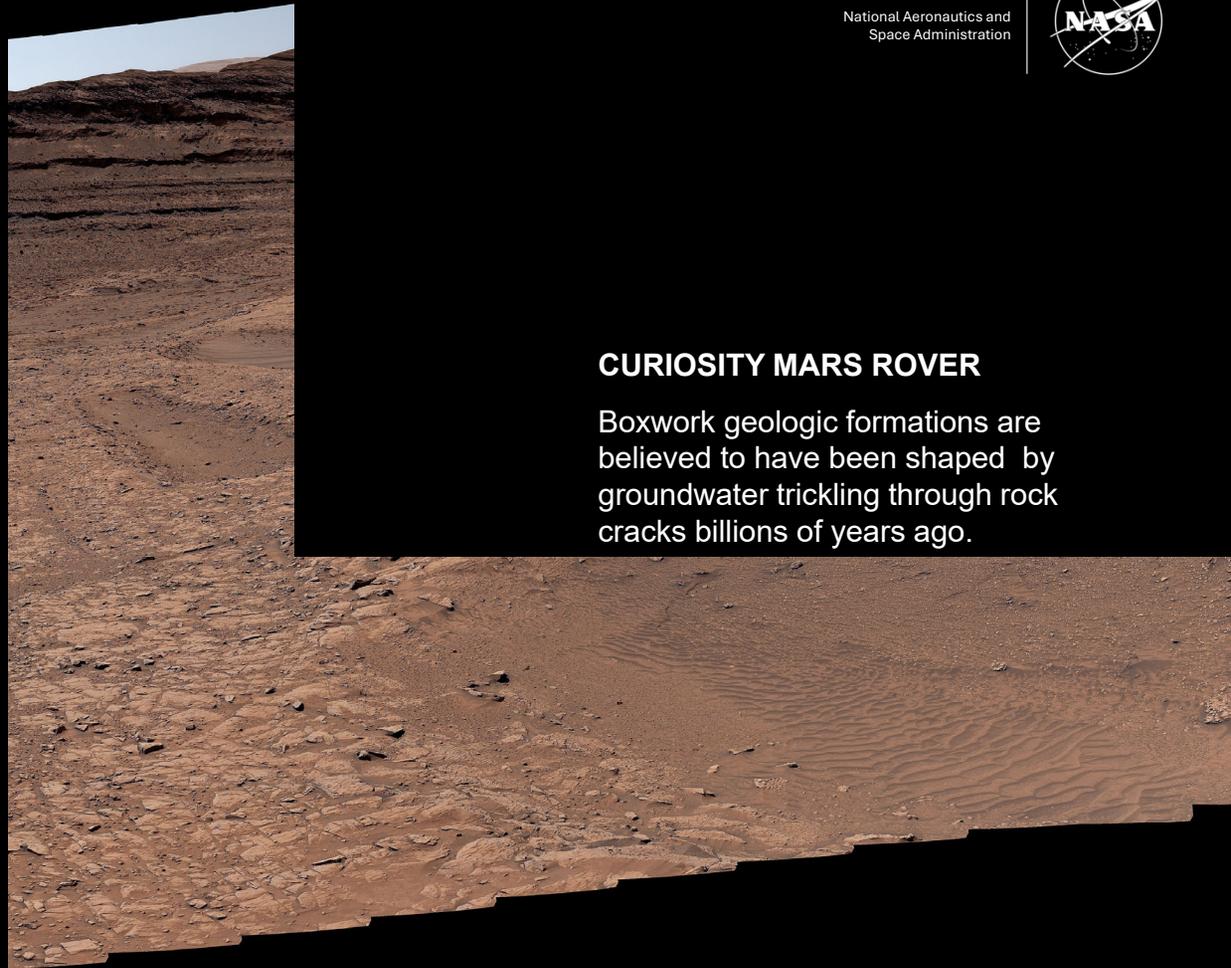
NANCY GRACE ROMAN SPACE TELESCOPE

Over several hours, NASA technicians meticulously connect the inner and outer segments of the telescope. Next, Roman will undergo final testing prior to moving to the launch site at NASA's Kennedy Space Center in Florida.

NASA/Sophia Roberts

NASA SCIENCE THEMES
**SEARCH FOR
LIFE ELSEWHERE**

*NASA/JPL-Caltech/MSSS, Mastcam – panorama stitched
from 23 individual images, color adjusted, May 2025*



National Aeronautics and
Space Administration



CURIOSITY MARS ROVER

Boxwork geologic formations are believed to have been shaped by groundwater trickling through rock cracks billions of years ago.



NASA SCIENCE THEMES

IMPROVE LIFE ON EARTH

EXTREME WEATHER – COMPLEX IMPACT

NASA's Earth observing fleet sees our planet in incredible detail to empower individuals, businesses, and government decision makers – down to the level of cold air impacts off the Florida coast as shown here

*Screen record from NASA's Earth Observatory site
- MODIS (Moderate Resolution Imaging
Spectroradiometer) on NASA's Terra satellite
reveals carbonate sediment changes on the sea
floor before and after rare winter weather conditions*

JANUARY 24, 2026

FEBRUARY 3, 2026



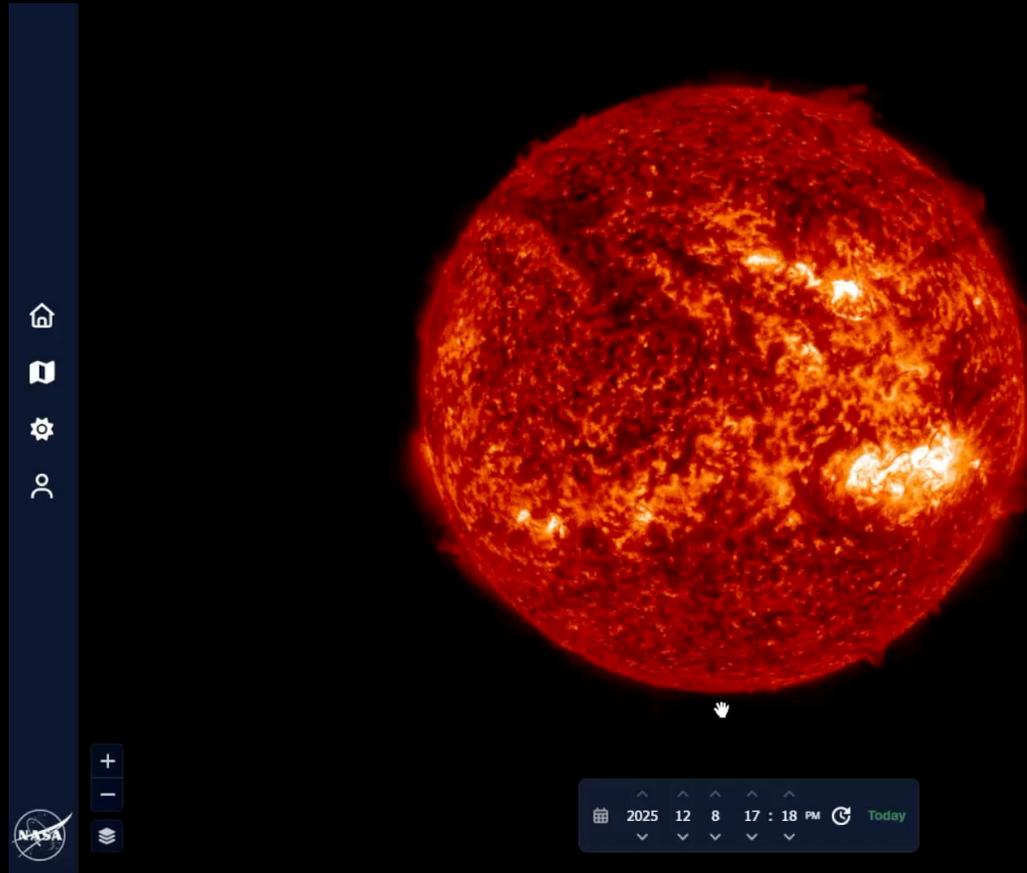
NASA SCIENCE THEMES SUSTAIN LIFE IN SPACE

SURYA HELIOPHYSICS AI FOUNDATION MODEL

An open-source foundation model trained on nine years of Solar Dynamics Observatory (SDO) data highlights our progress towards prediction of space weather and solar flares. The model is currently available on Hugging Face.

Prototype interface screen recording

March 24, 2026



science.nasa.gov

Space Science Week | 5



NASA SCIENCE STRATEGY

FROM DATA TO DECISIONS

COMET 3I/ATLAS

After discovery by a NASA-funded ATLAS (Asteroid Terrestrial-impact Last Alert System) survey telescope in July 2025, the agency rapidly activated instruments across the fleet to observe the third known object from outside our solar system to pass through.

Images: NASA.gov 3I/ATLAS Gallery

Top row:

TESS
Europa Clipper
Parker Solar Probe
Perseverance

Middle row:

MRO
PUNCH
LUCY
STEREO

Bottom row:

SPHEREX
JWST
Hubble
Atlas Survey
Telescope



NASA SCIENCE ARTEMIS ERA SCIENCE

ARTEMIS II LUNAR FLYBY

This simulation follows a possible trajectory for the Orion spacecraft, visualizing what astronauts might see as they approach the Moon and fly around its far side.

*Images: NASA's Scientific Visualization Studio,
NASA Johnson Space Center, NIH Tissue
Chip/NASA Image*

March 24, 2026

science.nasa.gov

AVSTERGE ENPALLUASTRONAUTARISUES ANFLYBY BBBBBLNTSEN



Space Science Week | 7



NASA SCIENCE ARTEMIS ERA SCIENCE

COMMERCIAL LUNAR PAYLOAD SERVICES (CLPS): FIREFLY BLUE GHOST MISSION 1

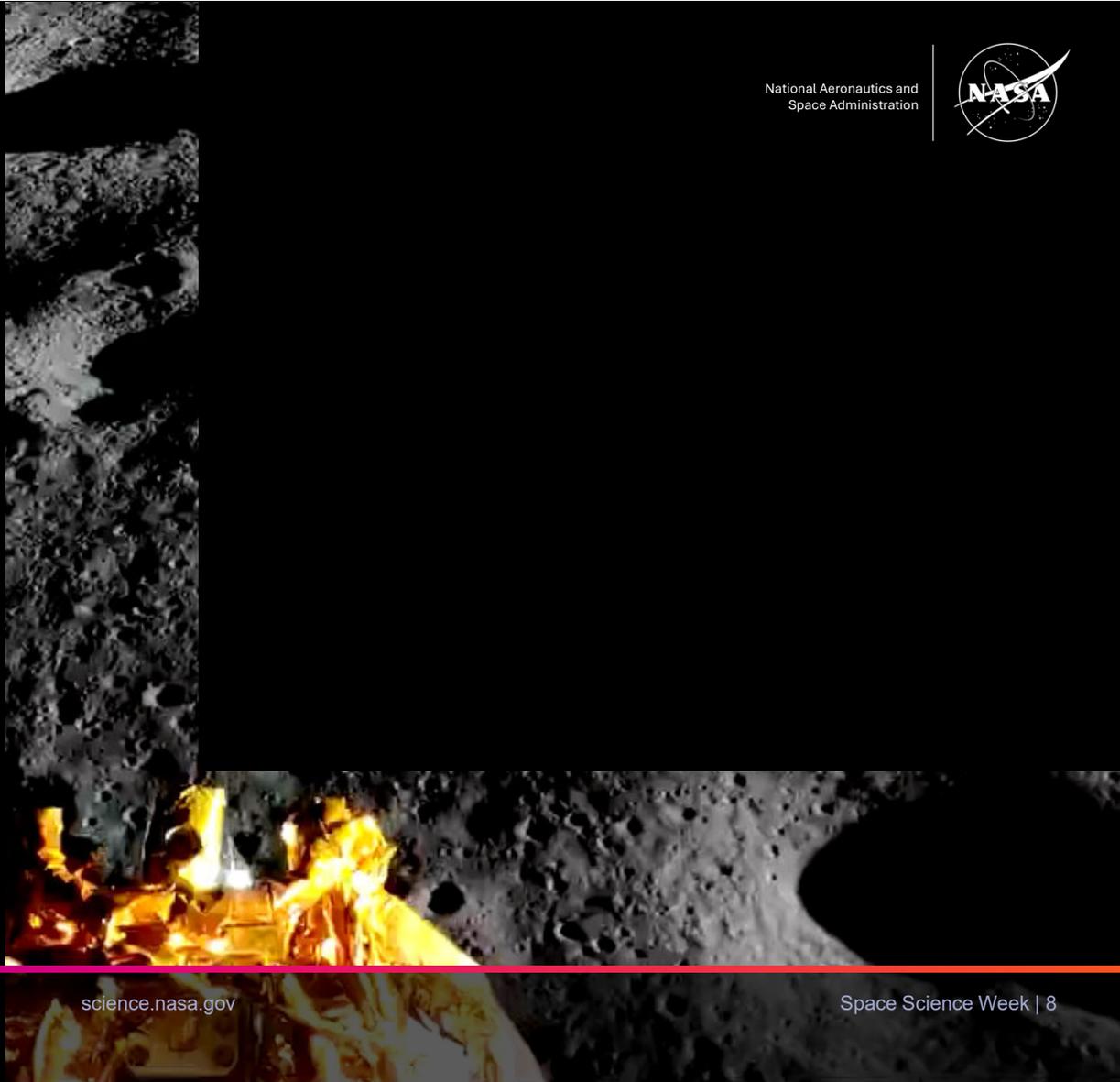
Firefly Aerospace's Blue Ghost Mission 1 successfully delivered 10 NASA science and technology instruments to the lunar surface in 2025.

Image: Firefly Aerospace

March 24, 2026

science.nasa.gov

Space Science Week | 8



NASA SCIENCE
**SURVIVING
MARS**

NASA Scientific Visualization Studio

National Aeronautics and
Space Administration



**ESCAPADE (ESCAPE AND
PLASMA ACCELERATION AND
DYNAMICS EXPLORERS)**

The twin Escape and Plasma Acceleration and Dynamics Explorers (ESCAPADE) spacecraft are on their way to Mars, the first heliophysics mission to the red planet.



NASA SCIENCE

**PRE-CURSORS
TO THE BEYOND**

FASTER.

FARTHER.

SCIENCE

FIRST.

As only NASA can

DRAGONFLY ROTORCRAFT

The rotors will carry the spacecraft up to 70 miles (about 115 km) across Titan during its planned 3.3-year mission, stopping to explore a variety of geologically interesting areas along the way, including dunes and Selk Crater. Dragonfly is expected to make one flight every 1-2 Titan days.

NASA Artist's Illustrative Animation



Thank you

Dr. Nicky Fox

Associate Administrator,
Science Mission Directorate (SMD),
NASA Headquarters

