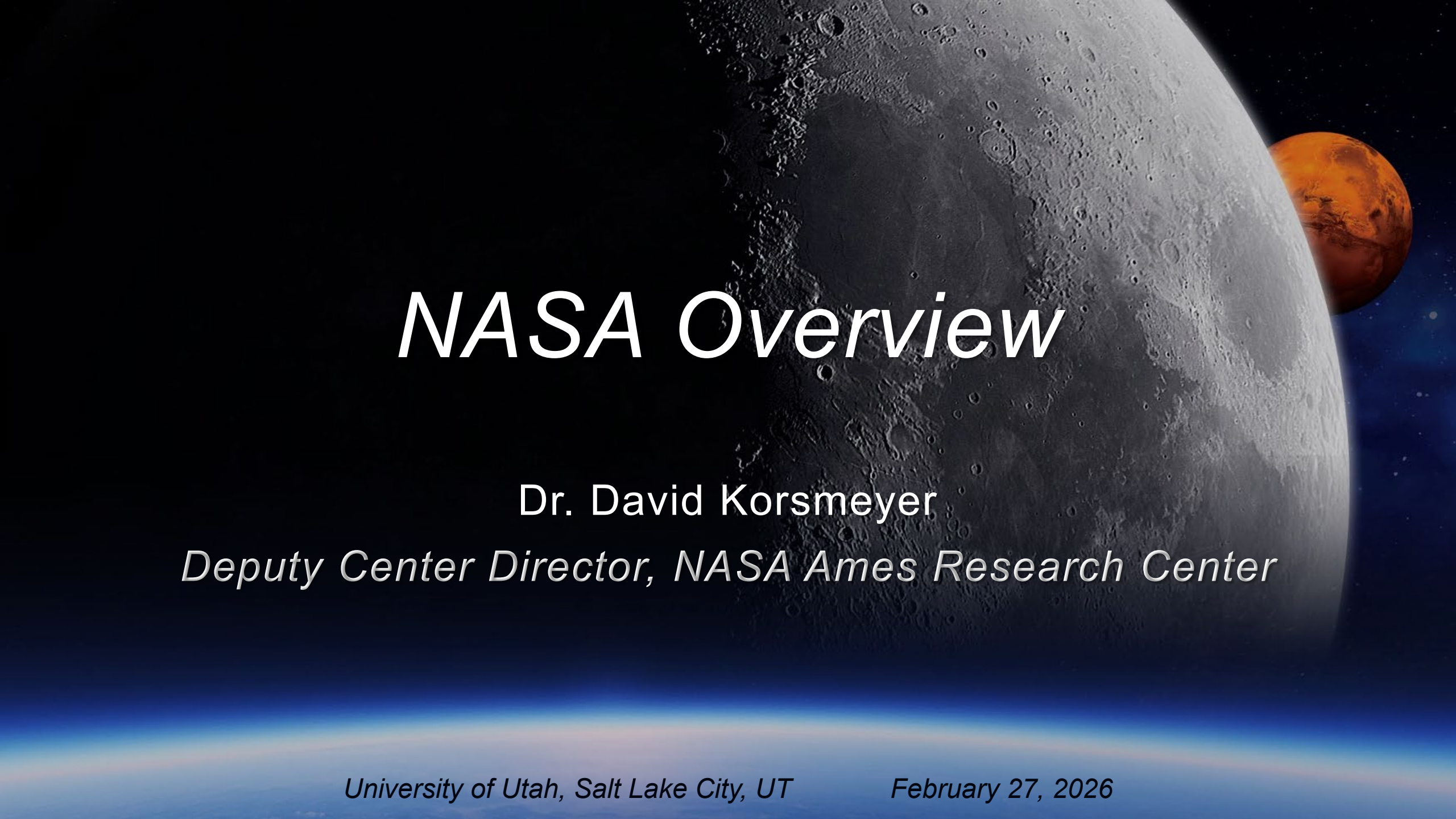


The background of the slide is a composite image of space. A large, detailed view of the Moon's cratered surface dominates the upper right and center. To the right, the reddish-orange planet Mars is visible. At the bottom, a thin, glowing blue and white arc represents the Earth's horizon from space.

NASA Overview

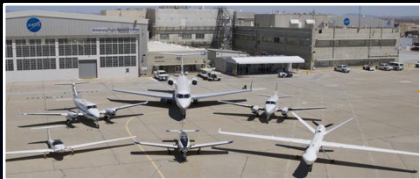
Dr. David Korsmeyer

Deputy Center Director, NASA Ames Research Center

NASA Centers



Ames Research Center



Armstrong Flight Research Center



Jet Propulsion Laboratory



Glenn Research Center



HQ



Goddard Space Flight Center



Langley Research Center



Marshall Space Flight Center



Johnson Space Center



Stennis Space Center

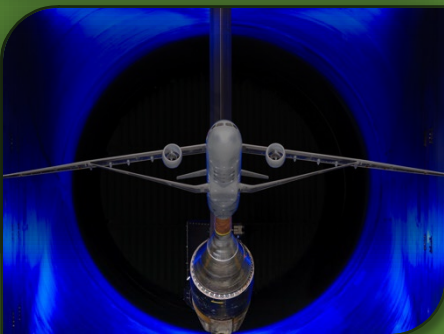
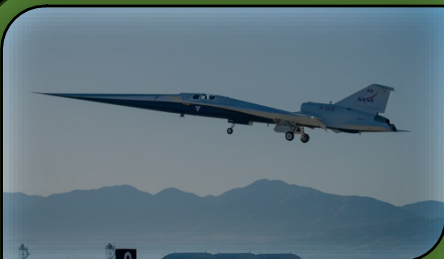


Kennedy Space Center



Ames Support All Five Mission Directorates

Aeronautics Research



Transform Aviation
through R&D

Space Operations



Launch and Space
Operations

Deep Space Exploration Sys.



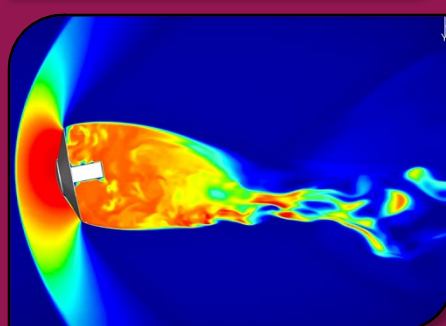
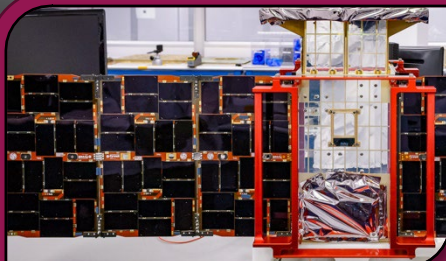
Moon to Mars Exploration

Science



Understand the Sun,
Earth, and Universe

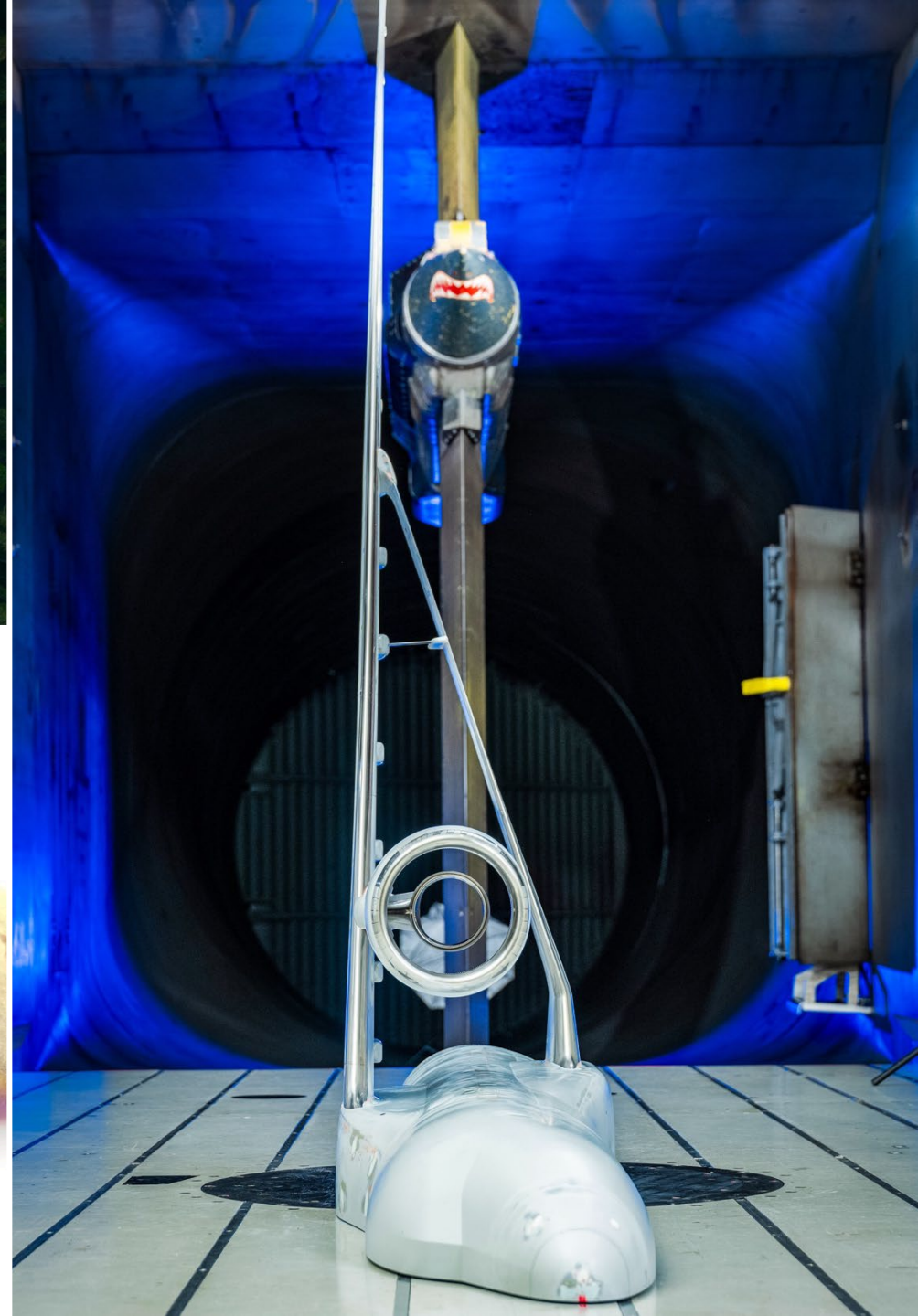
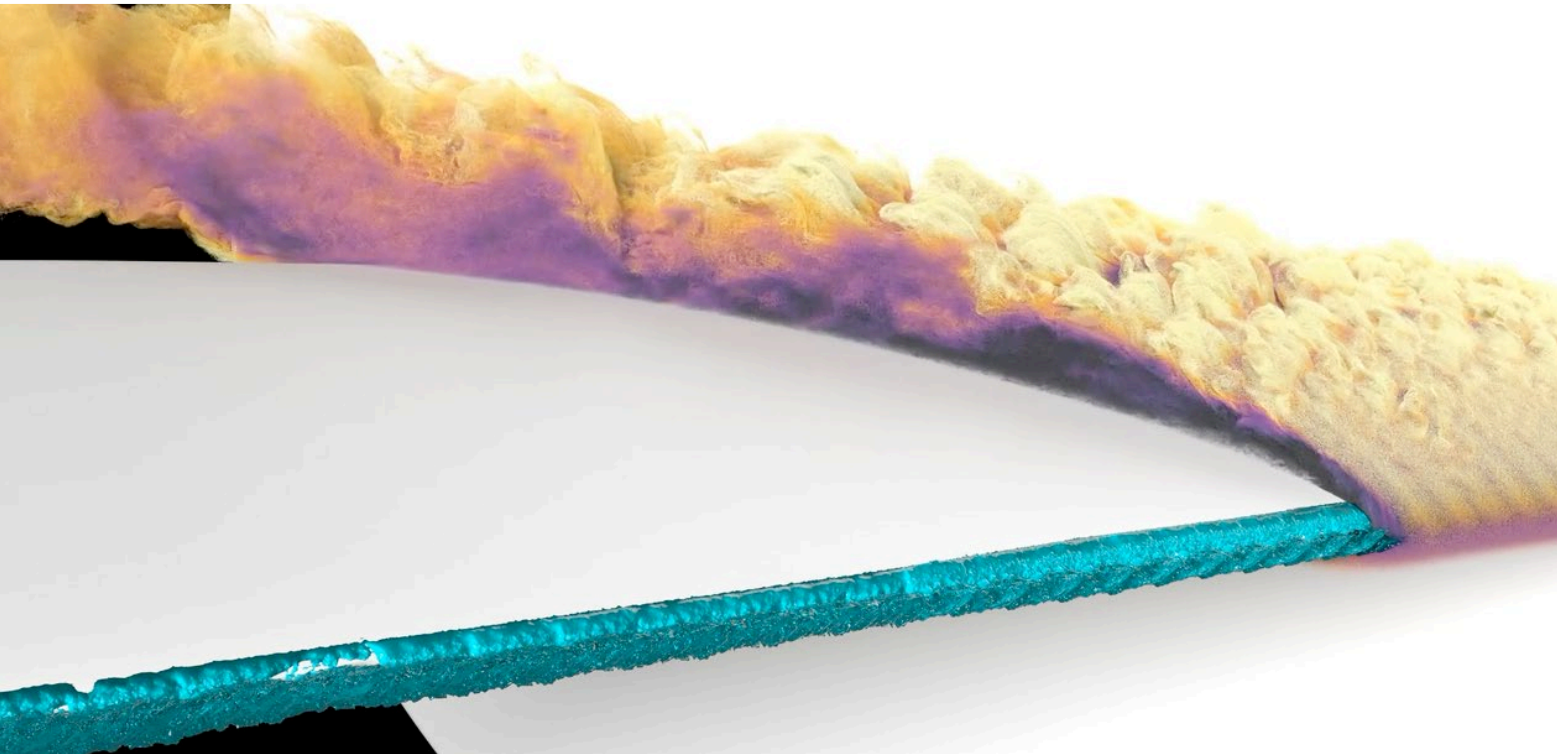
Space Technology



Develop and transfer
revolutionary technologies

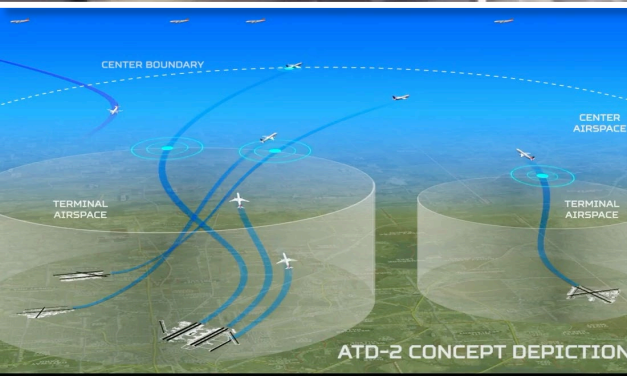
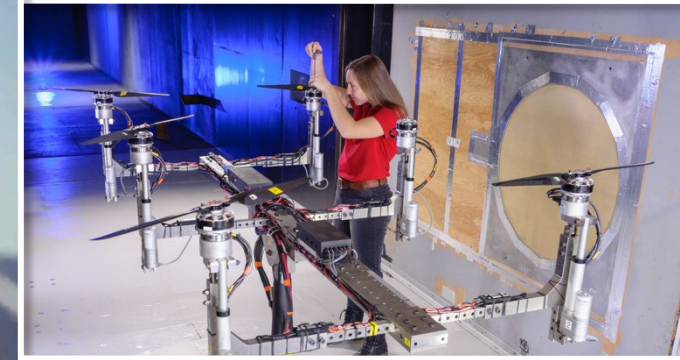
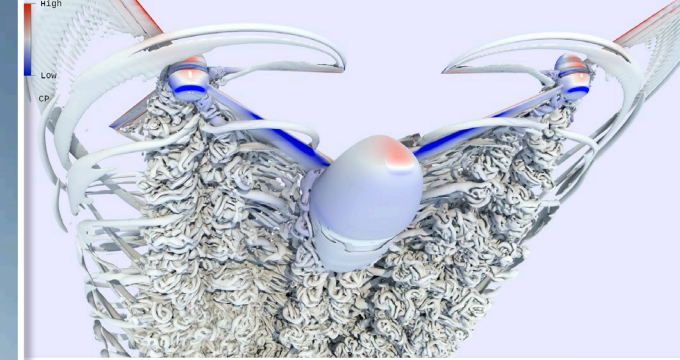


Thin-Wing Aircraft Research



Advanced Air Mobility

"Air Traffic Management"

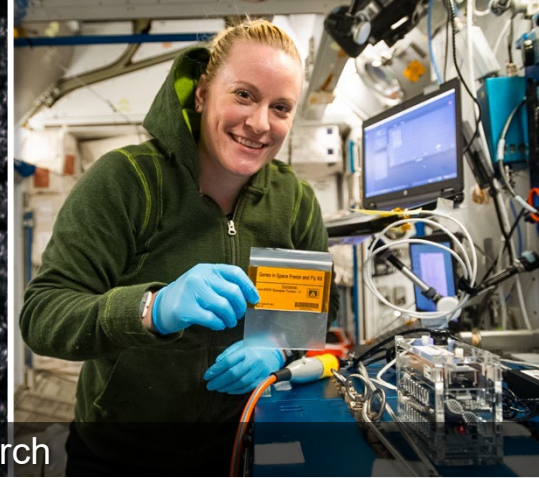


American Airlines Ramp Tower



Autonomy and Space Biology

on the International Space Station



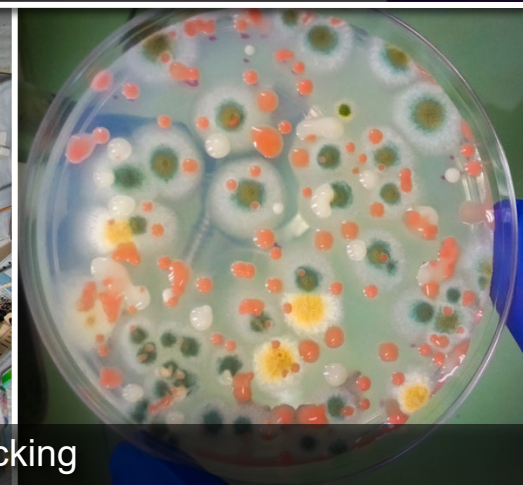
Fruit Fly Research



Four "Crew Members" Working Independently

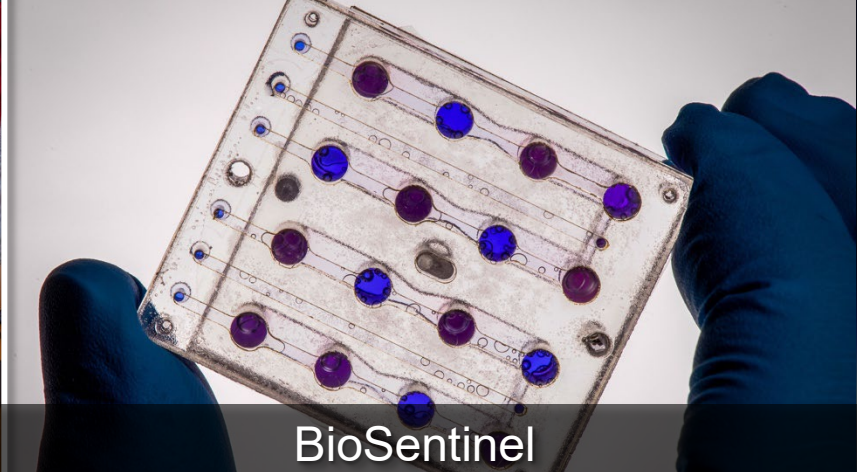
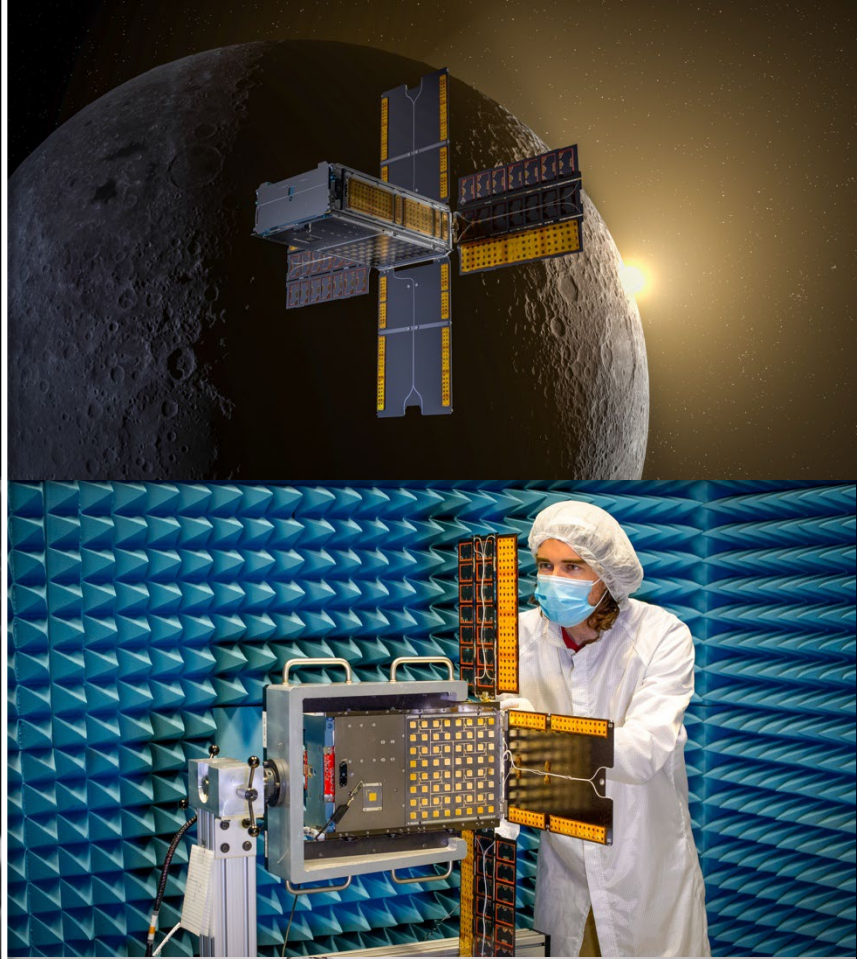
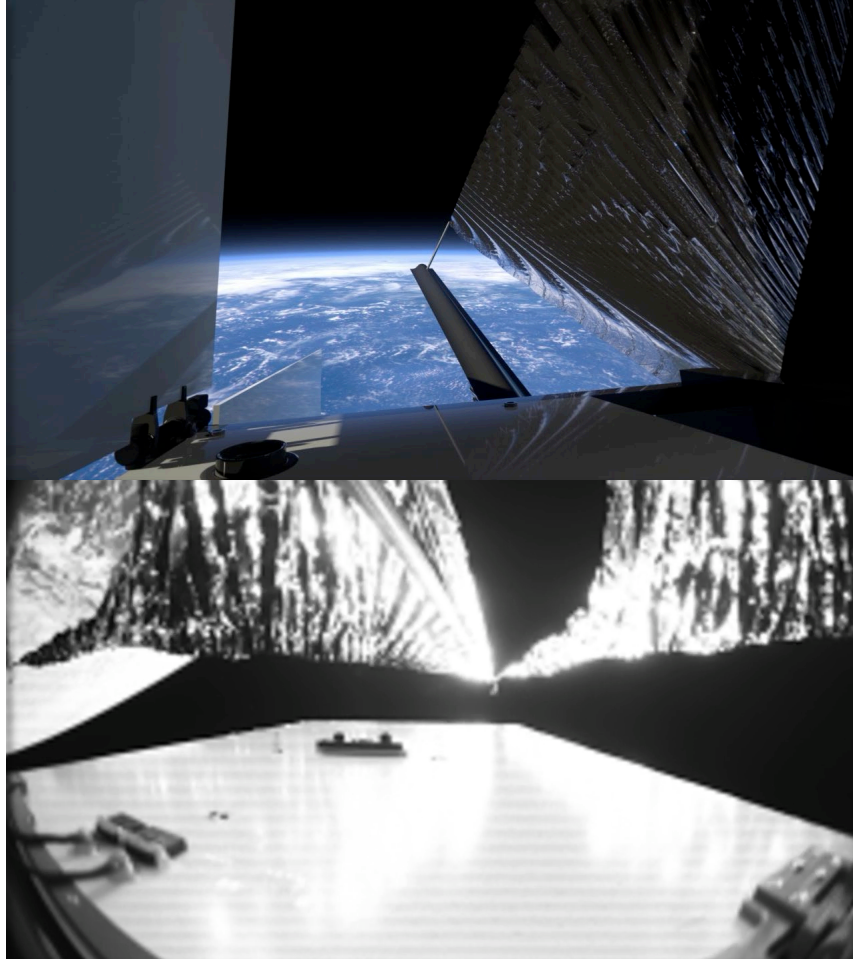
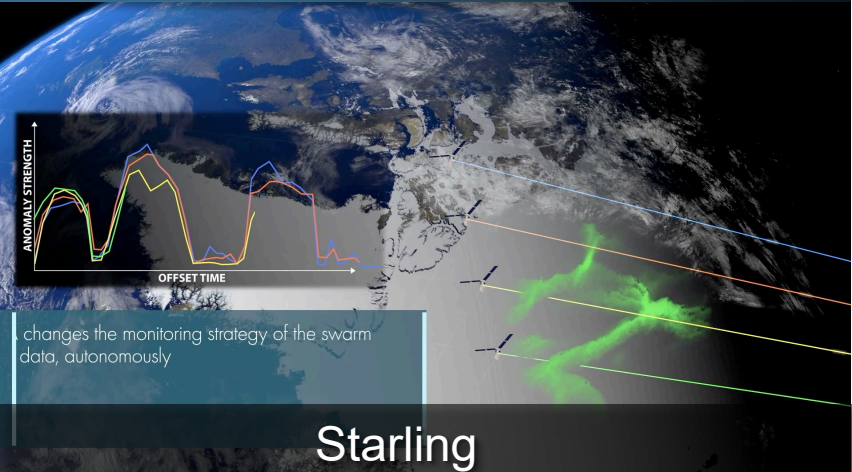
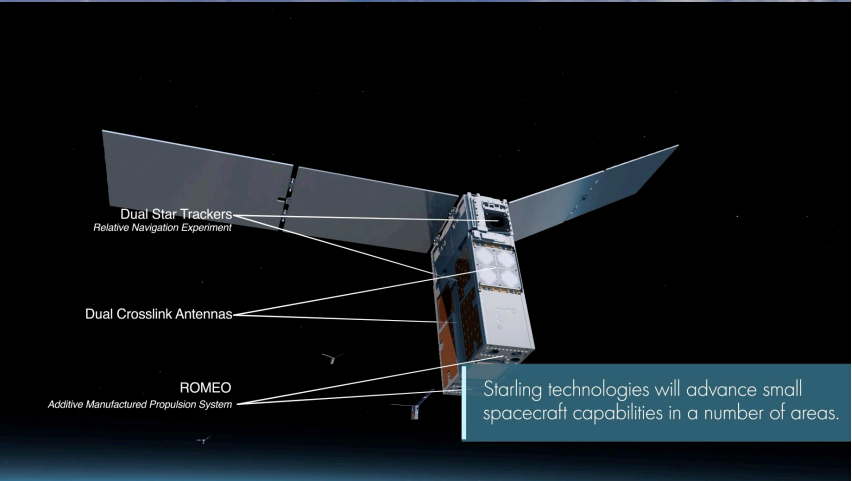


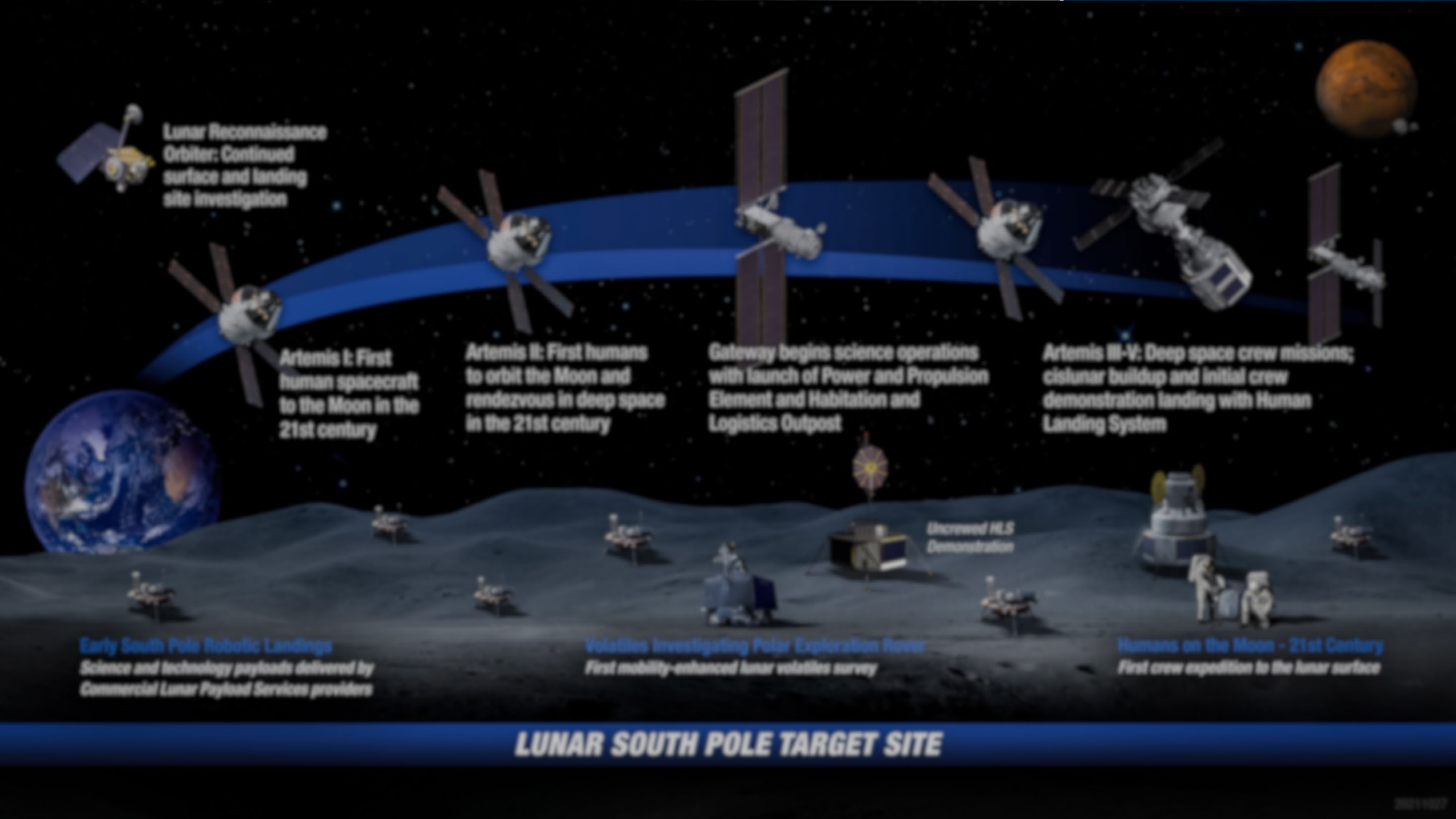
Bionutrients



Microbial Tracking

Cost-Effective Space Missions





The infographic depicts a mission timeline for the Lunar South Pole Target Site. A blue arc represents the lunar orbit, with various spacecraft and landers positioned along it. The Earth is visible on the left, and the Moon's surface is at the bottom. The timeline includes the following stages:

- Lunar Reconnaissance Orbiter:** Continued surface and landing site investigation (top left).
- Artemis I:** First human spacecraft to the Moon in the 21st century (left).
- Artemis II:** First humans to orbit the Moon and rendezvous in deep space in the 21st century (middle left).
- Gateway:** begins science operations with launch of Power and Propulsion Element and Habitation and Logistics Outpost (center).
- Artemis III-V:** Deep space crew missions; cislunar buildup and initial crew demonstration landing with Human Landing System (middle right).
- Early South Pole Robotic Landings:** Science and technology payloads delivered by Commercial Lunar Payload Services providers (bottom left).
- Volatiles Investigating Polar Exploration Rover:** First mobility-enhanced lunar volatiles survey (bottom center).
- Uncrewed HLS Demonstration:** (bottom center-right).
- Humans on the Moon - 21st Century:** First crew expedition to the lunar surface (bottom right).

LUNAR SOUTH POLE TARGET SITE

Artemis I: First human spacecraft to the Moon in the 21st century

Artemis II: First humans to orbit the Moon and rendezvous in deep space in the 21st century

Gateway begins science operations with launch of Power and Propulsion Element and Habitation and Logistics Outpost

Artemis III-V: Deep space crew missions; cislunar buildup and initial crew demonstration landing with Human Landing System

Early South Pole Robotic Landings
Science and technology payloads delivered by Commercial Lunar Payload Services providers

Volatiles Investigating Polar Exploration Rover
First mobility-enhanced lunar volatiles survey

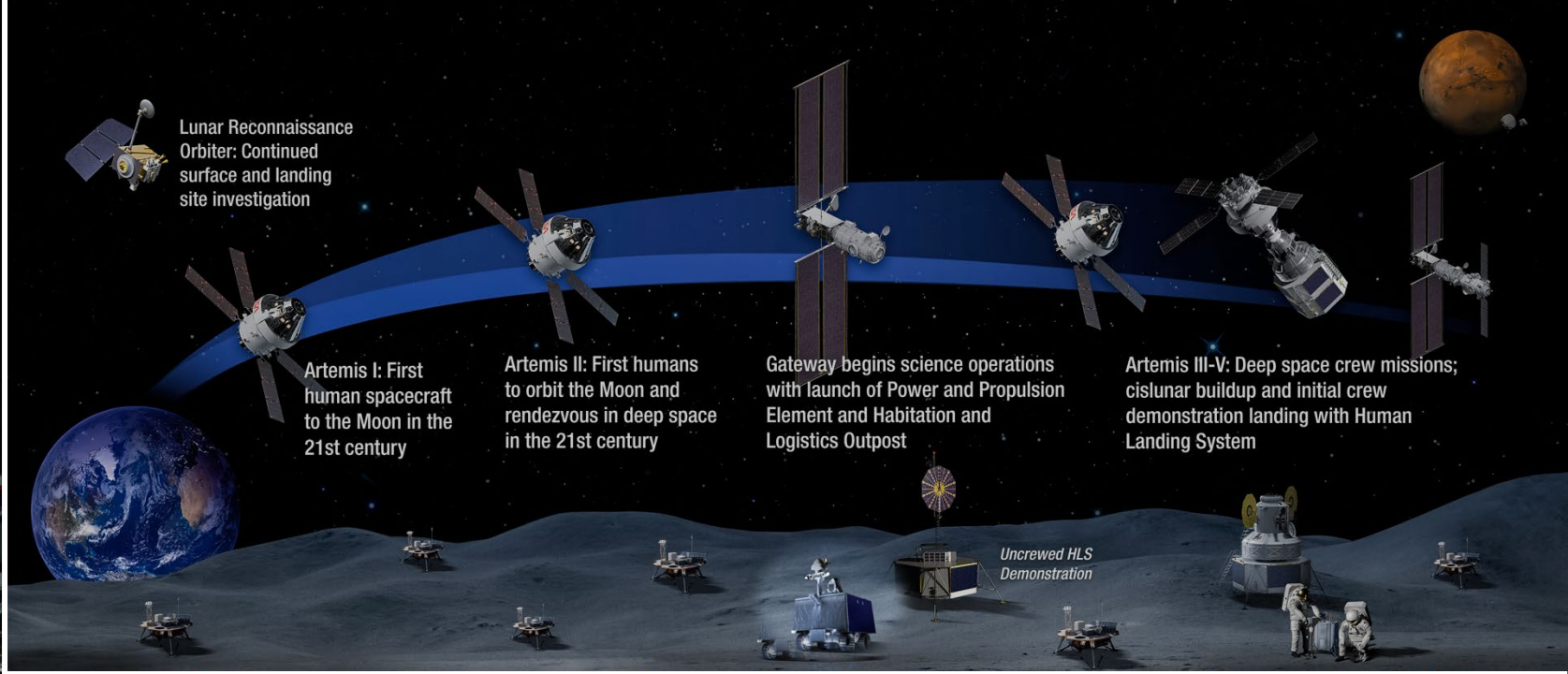
Uncrewed HLS Demonstration

Humans on the Moon - 21st Century
First crew expedition to the lunar surface

LUNAR SOUTH POLE TARGET SITE

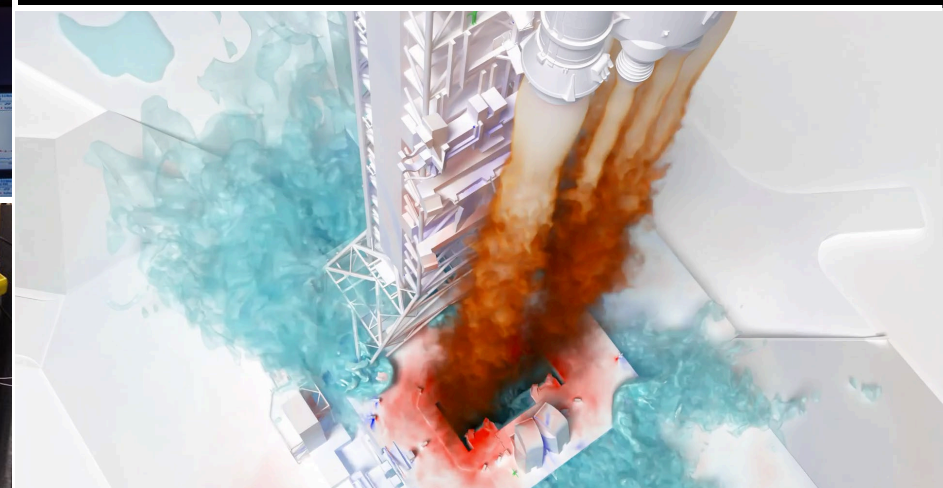
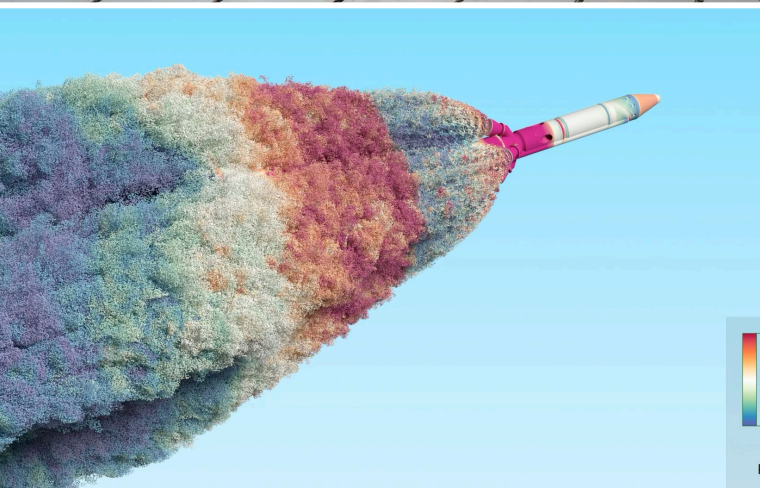
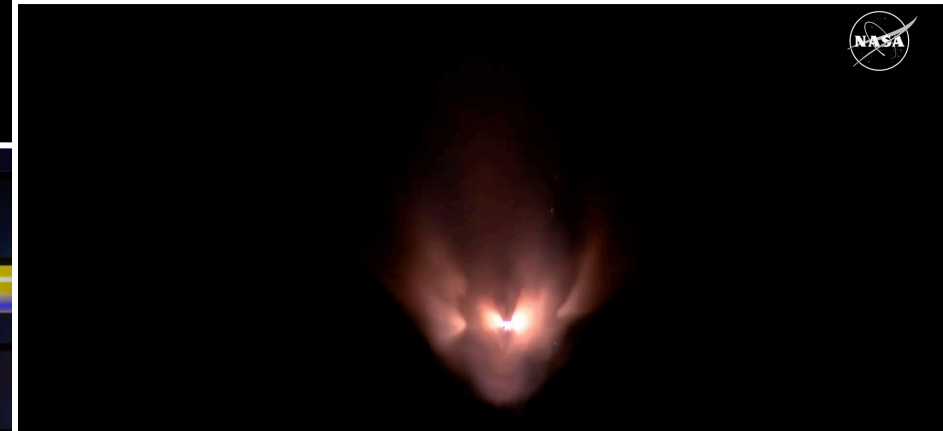
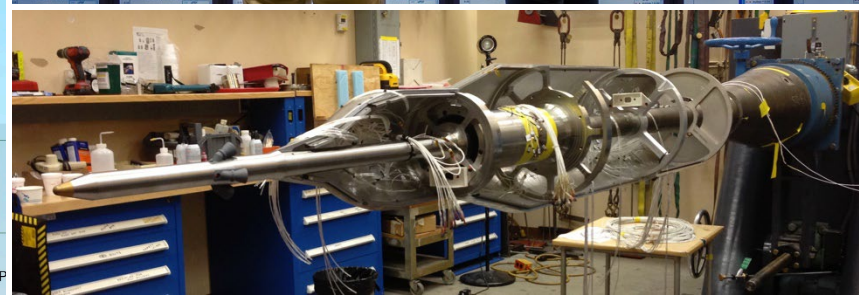
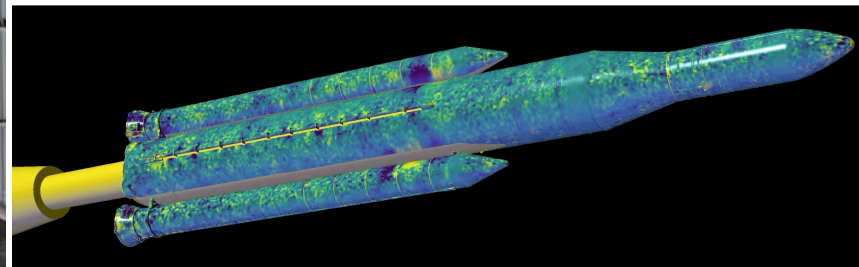
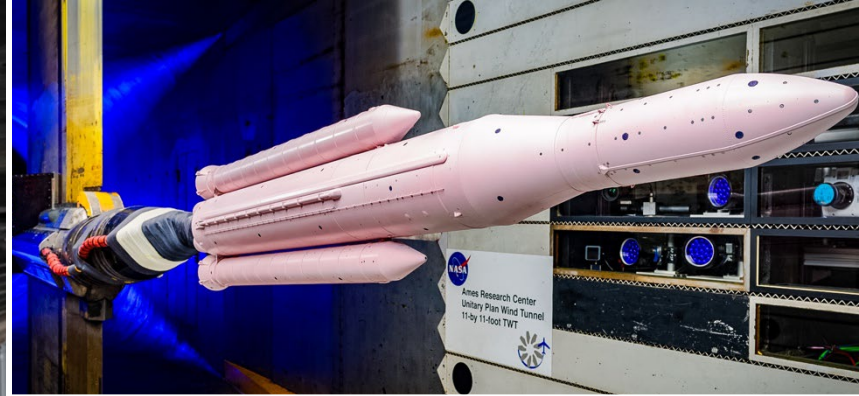
Artemis

Back to the Moon



PROXIMITY OPERATIONS DEMONSTRATION SEQUENCE	
1	9
2	10
3	11
4	12
5	13
6	14
7	15
8	16

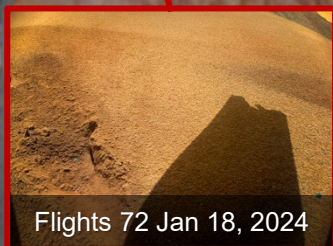
The Launch





The Mars
Helicopter

Ingenuity and Beyond...



Flights 72 Jan 18, 2024



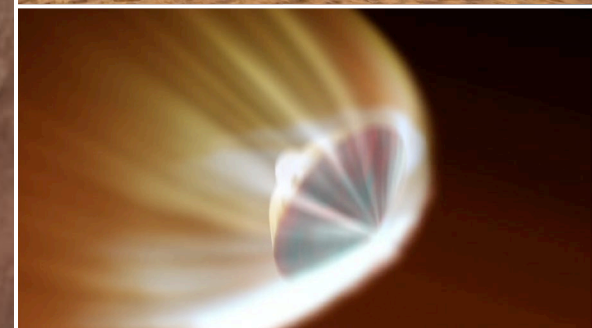
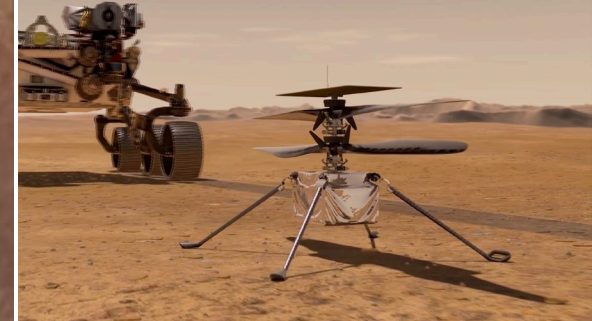
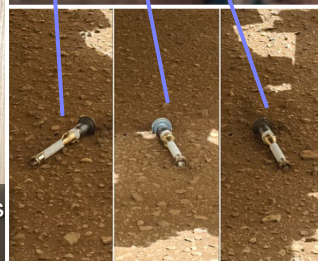
Flights 68 and 69 — Neretva Vallis, Mars, December 20 & 22, 2023



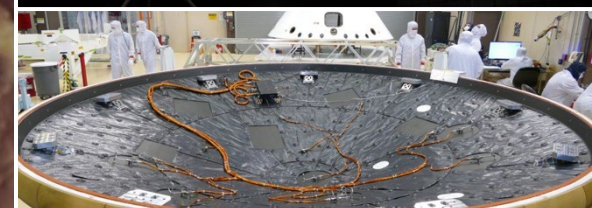
Helping the First Mars Helicopter Fly



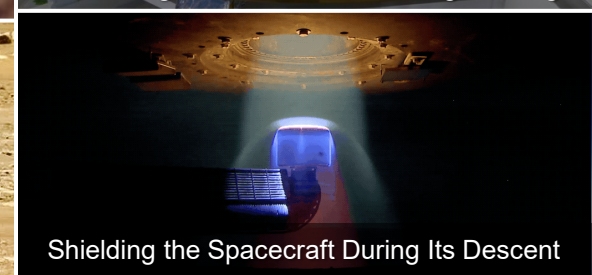
Rotor Optimization for the Advancement of Mars
eXploration (ROAMX) Project



Testing a Parachute Made for Mars

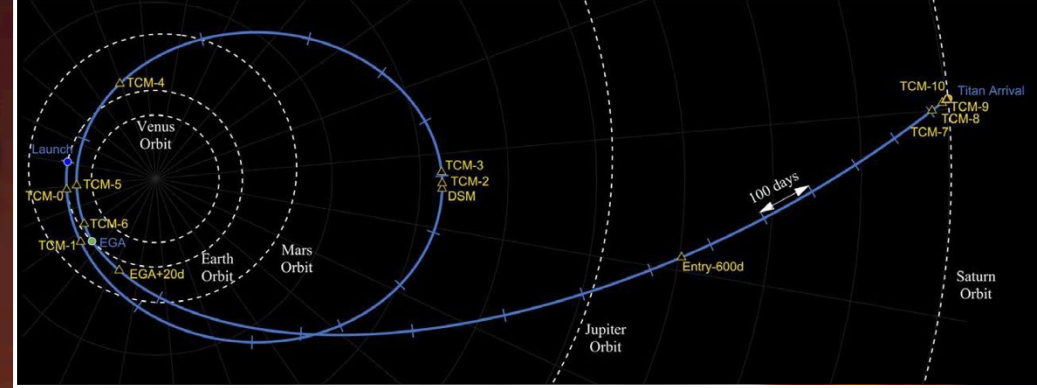


Measuring the Environment During Landing



Shielding the Spacecraft During Its Descent

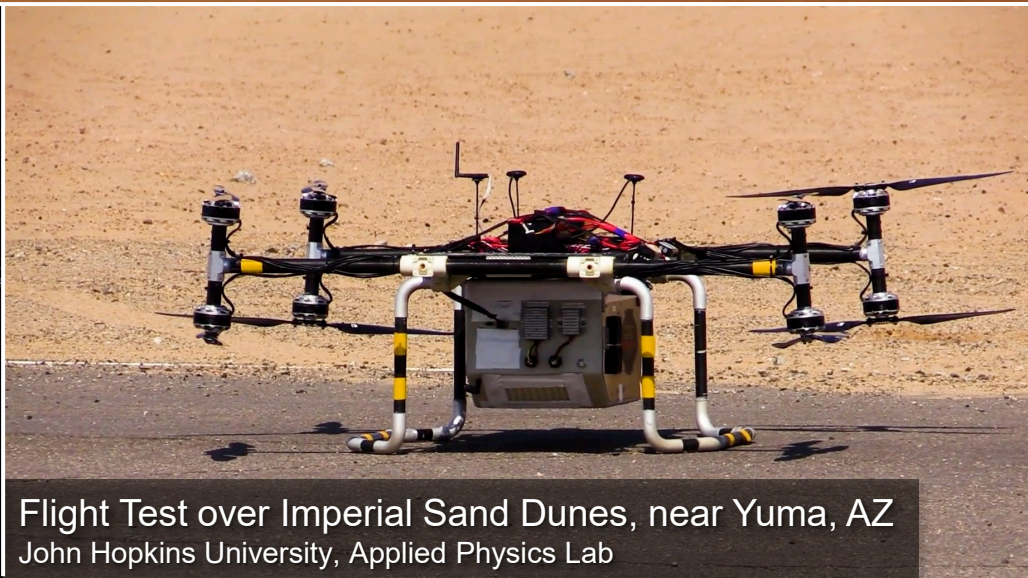
Flying on Titan (Saturn orbit)



Wind Tunnel Tests,
NASA Ames Research Center



Arc Jet Tests
NASA Ames Research Center



Flight Test over Imperial Sand Dunes, near Yuma, AZ
John Hopkins University, Applied Physics Lab



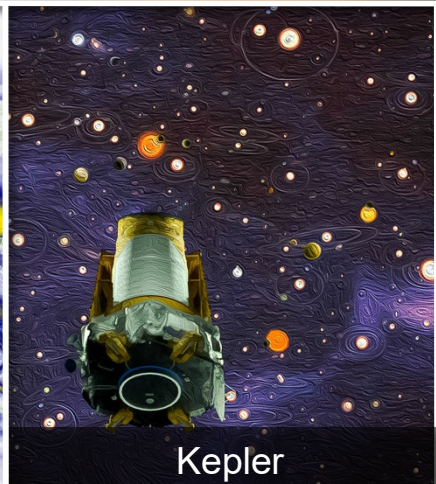
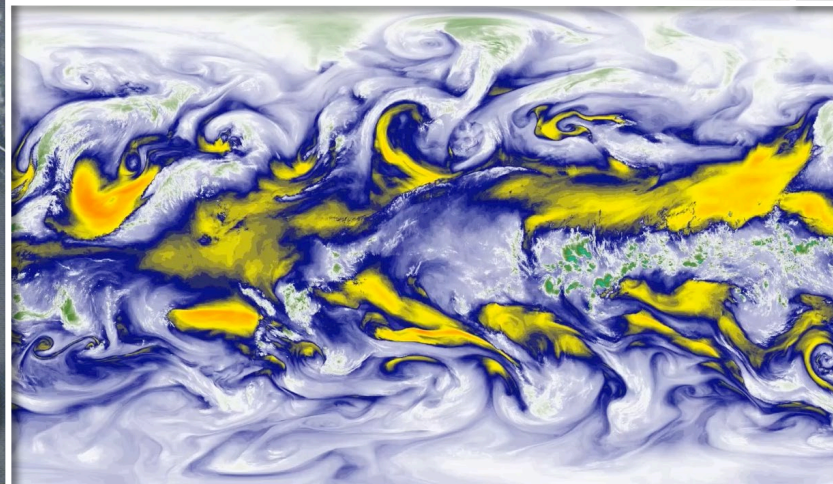
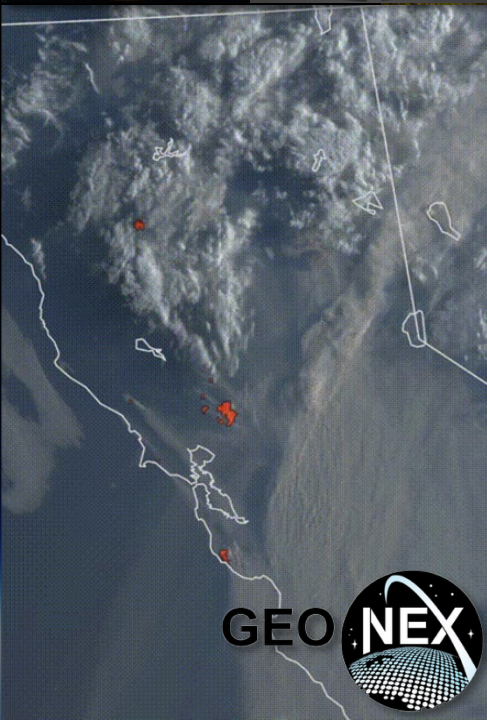
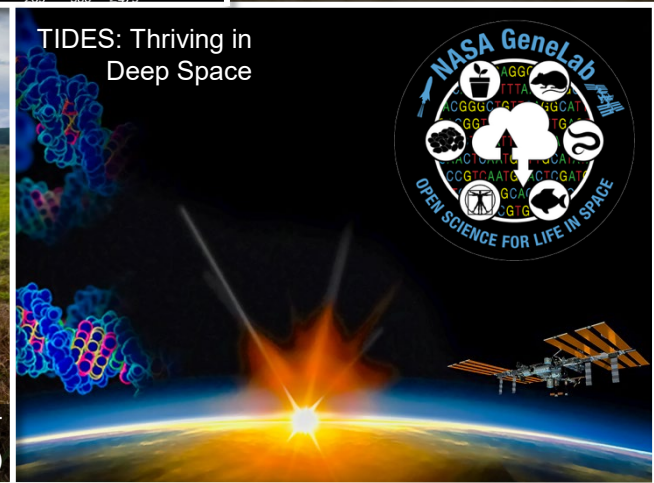
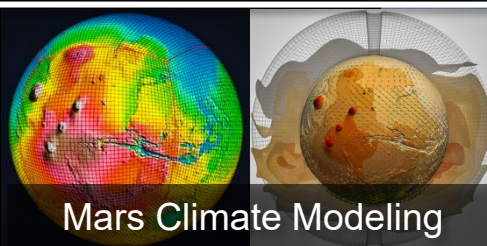
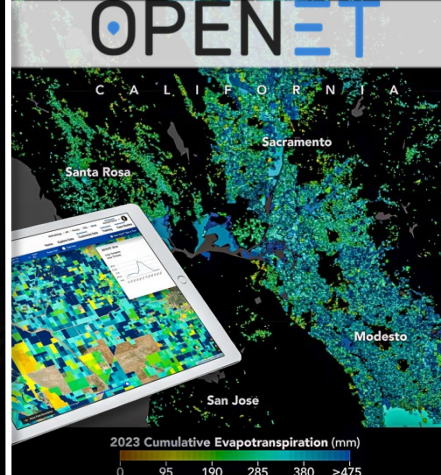
Wind Tunnel Test
NASA Ames Research Center

Science

*Understand the Sun, Earth, Solar System,
Life and the Universe*

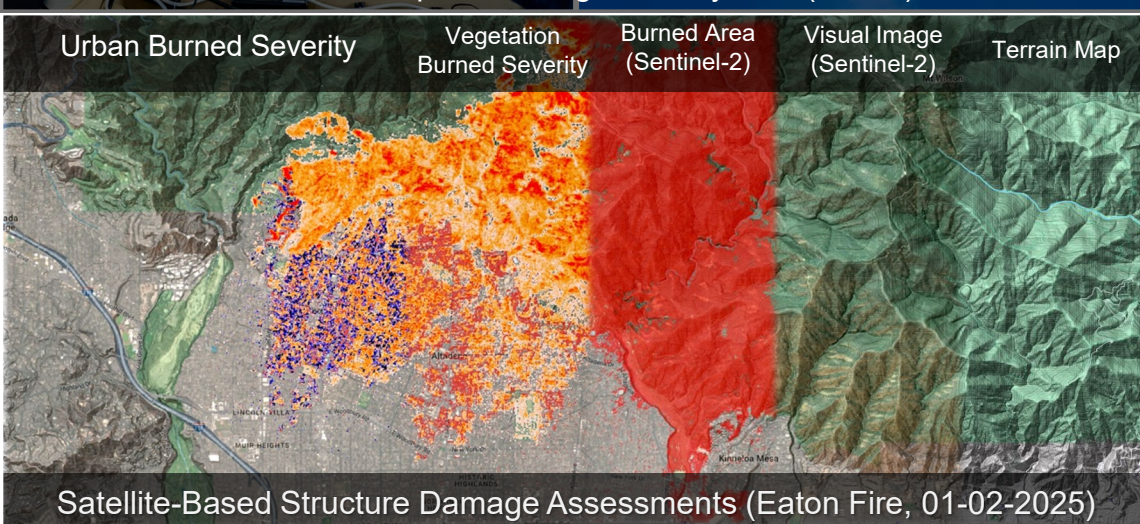
AirSHARP

(Airborne aSessment of Hyperspectral Aerosol optical depth
and water-leaving Reflectance Product Performance for PACE)

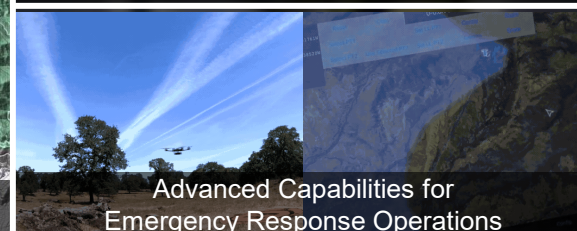




Portable Airspace Management System (PAMS)



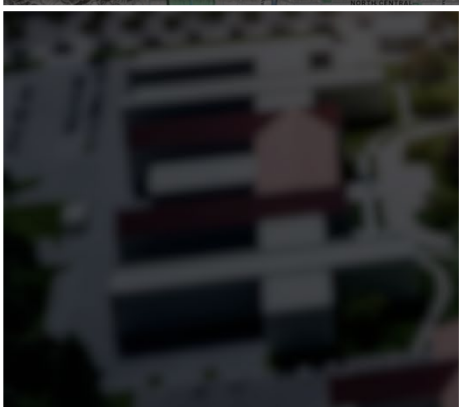
Camp fire, Butte County, California, Nov 8, 2018



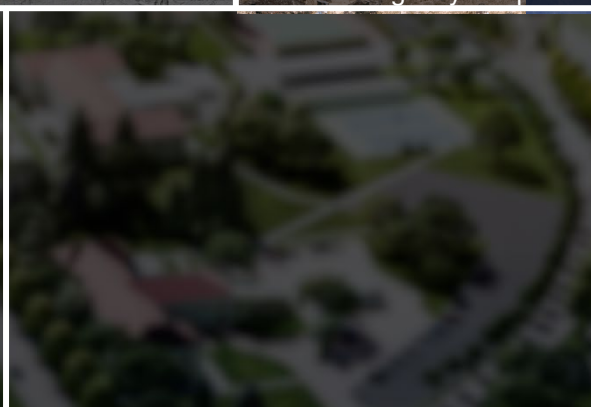
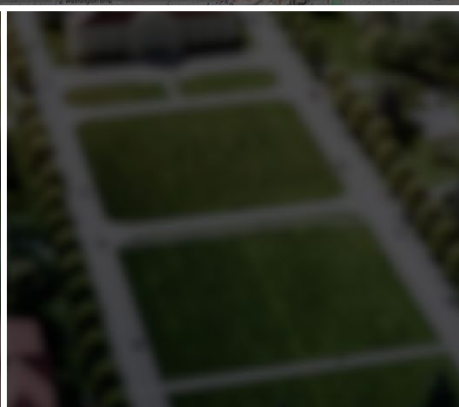
Advanced Capabilities for
Emergency Response Operations



Miniaturization and UAS platforms



FireSense



NASA, U.S. Forest Service, and Aerostar test STRATO—delivering cell coverage from the stratosphere—over Idaho's West Mountain Complex fires.

Ames Today



Occupants (FY26)

- ~1,020 civil servants;
- ~2,100 on-site contractors
- ~6,000 NRP workforce
- ~306 students (OSTEM + non-OSTEM)

Real Property

- ~1,900 acres; 400 acres security perimeter
- ~5M building ft²
- Airfield with ~9,000 and 8,000 ft. runways

Budget (FY25)

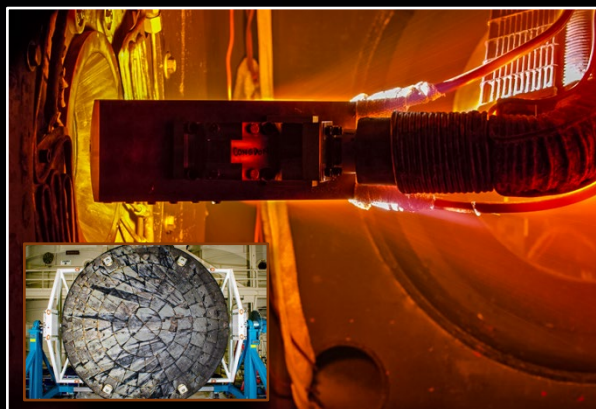
- ~\$1B (includes reimbursable/EUL)

Ames' Core Competencies

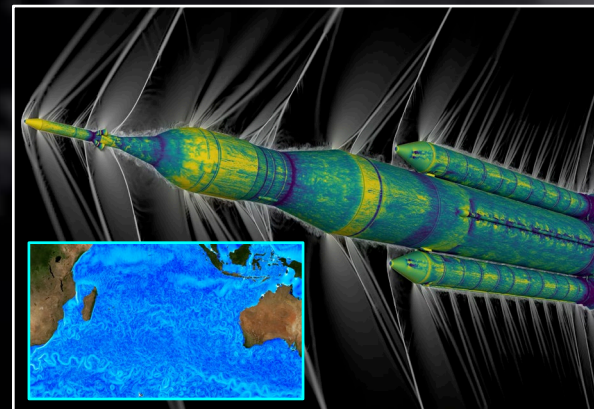
Air Traffic Management



Entry Systems



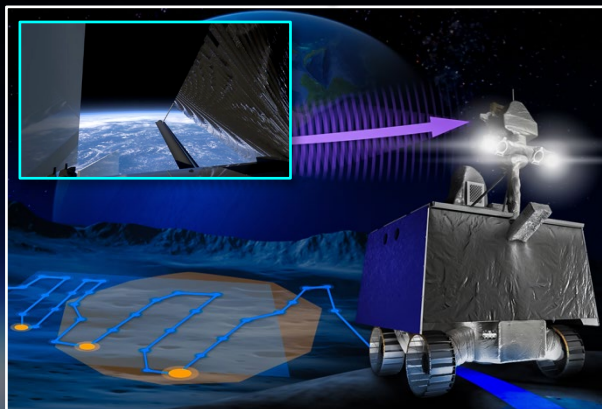
Advanced Computing & IT



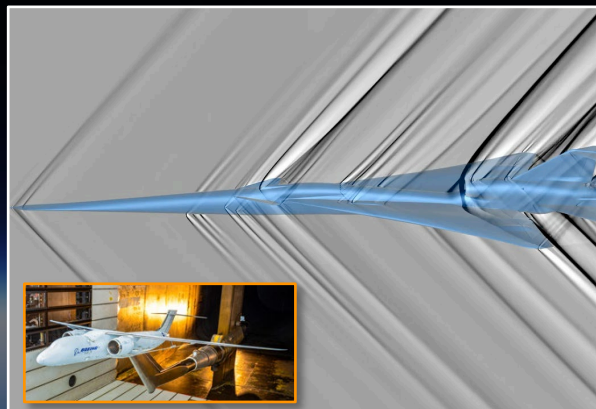
Intelligent/Adaptive Systems



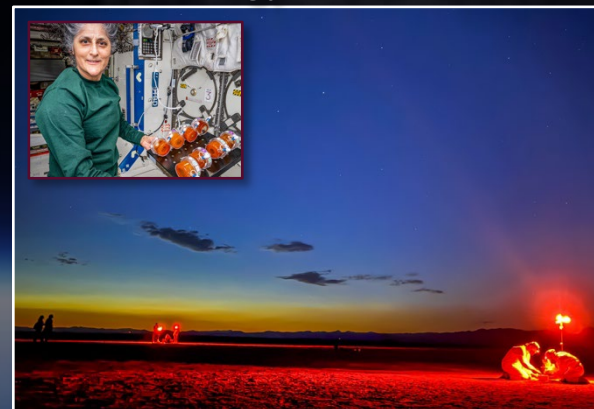
Cost-Effective Space Missions



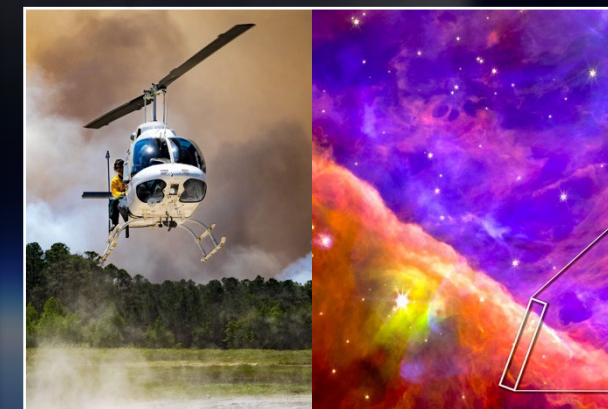
Aerosciences



Astrobiology & Life Science

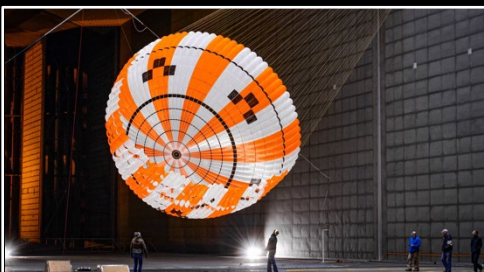


Space & Earth Sciences

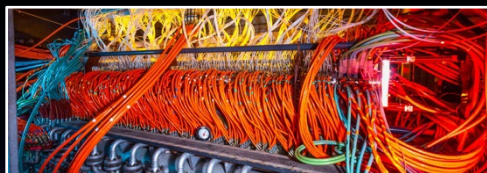


Major Research Facilities

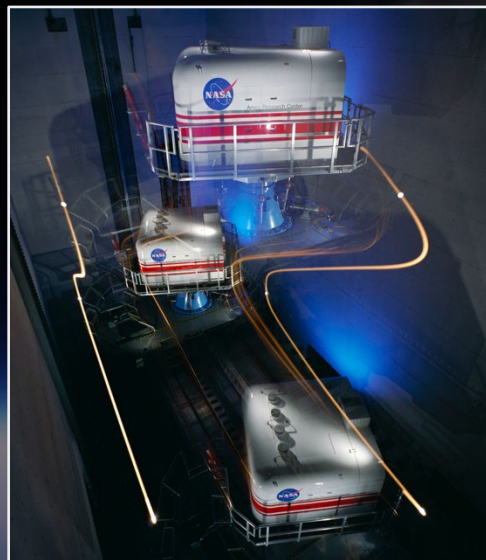
Wind Tunnels



Arc Jet Complex



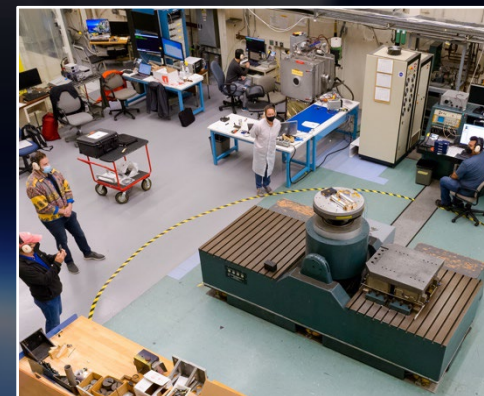
Simulators



Supercomputing



Laboratories



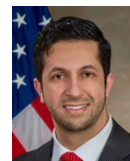
NASA Ames Research Center Organization



Director
Eugene Tu



Deputy Director
David Korsmeyer



Associate Director
Amir Deylami



**Deputy Center
Dir/Associate Director
for R&T (SES)**
(vacant)



Acting Chief of Staff
Sharon Lozano

Office of the Director



Program & Projects
Dir: Jay Bookbinder



Chief Financial Officer
Ken Ledbetter



Chief Engineer
Dean Kontinos



Chief Scientist
Jacob Cohen



Chief Technologist
Harry Partridge

Technical Advisors



Aeronautics
Dir: Huy Tran
Dep Dir: Leighton Quon



Human Capital
Acting Dir: Linda Jensen



**Solar System Exploration
Research (SSERVI)**
Acting Dir: Kristina Gibbs



**NASA Aeronautics
Research (NARI)**
Parimal Kopardekar "PK"



**Small Spacecraft
Systems (S3VI)**
Bruce Yost

Virtual Institutes



Engineering
Dir: Daniel Andrews
Dep Dir: Paresh Bhavsar



**Acting Chief
Information Officer**
Shenandoah Speers
Dep Dir: William Notley



**Associate Director for
Office of the Director**
Thomas Paine



Chief Counsel
Christine Pham



Procurement
Acting Dir: Lauren Johnson



**Exploration
Technology**
Dir: Rupak Biswas
Dep Dir: Jaya Bajpayee



Center Operations
Dir: Aga Goodsell
Dep Dir: Kara Martin



NASA Research Park
Mejghan Haider



Strategic Partnerships
Matthew Buffington



Communications
Michele Johnson



Science
Acting Dir: Anthony Colaprete
Acting Dep Dir: Katharine Lee



**Safety & Mission
Assurance**
Acting Dir: Alan Crocker
Acting Dep Dir: Kerry Zarchi



STEM Engagement
Kevin McGhaw



Equal Opportunity
Gabriela Olson



Legislative Affairs
Lisa Lockyer

Research & Technology Directorates

Mission Support Directorates

Mission Support Advisors

NASA Ames Development Plan Today



- NASA Ames Campus, 406 Acres

- Bay View – Planetary Ventures R&D, 42 Acres

Eastside Airfield

- Planetary Ventures, 1,000 Acres
- California ANG (CAANG), 111 Acres

NASA Research Park

- Shenandoah Plaza Historic District, 64 Acres
- University of California, 36 Acres
- *Mountain View Housing Ventures, 46 Acres*

Advancing NASA's mission

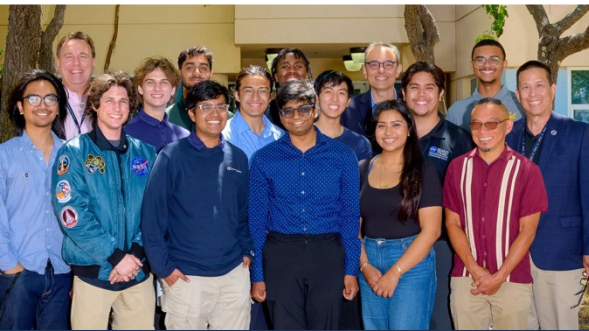
- Helping expedite return to the Moon & the exploration of Mars
- Help meet programmatic objectives
- Provide positive financial returns
- Keep the Ames property useful to NASA goals
- Help expand NASA's support base

NASA Research Park

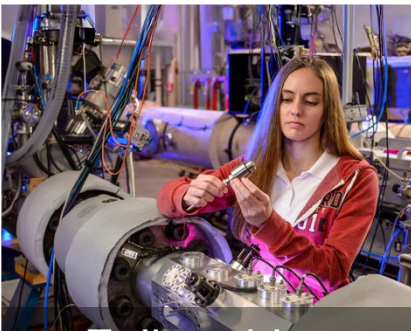




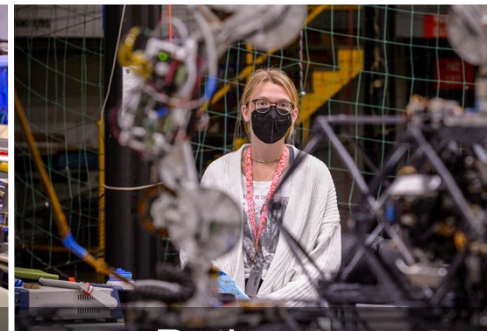
Opportunities for University Collaborations



NASA-Berkeley Summer Scholars
ID: 017476 Course: Internships - Ames



Fellowships



Pathways



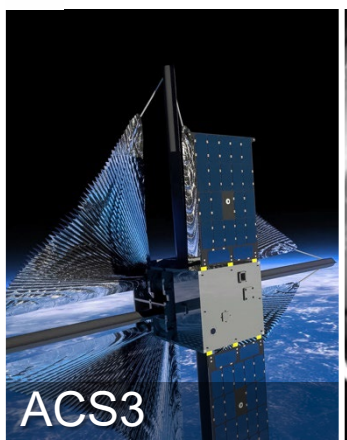
Summer Interns



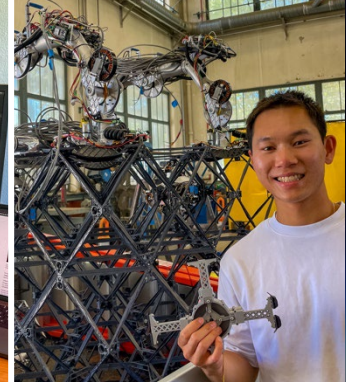
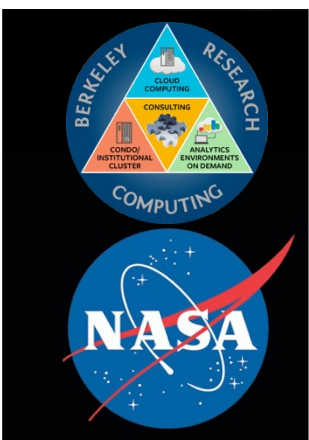
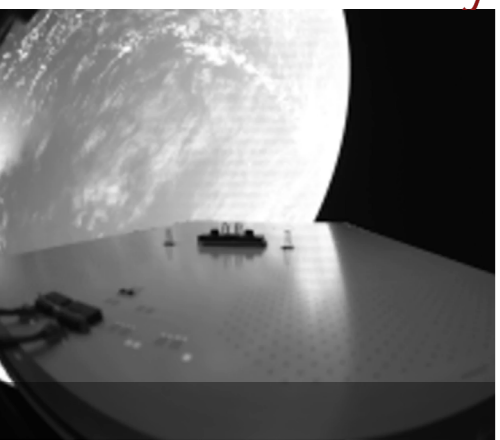
Stanford University



Santa Clara University

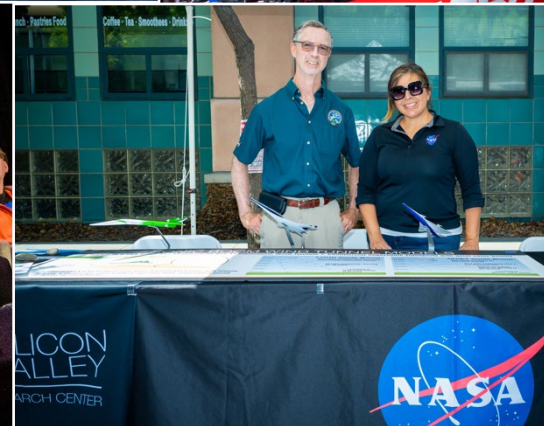
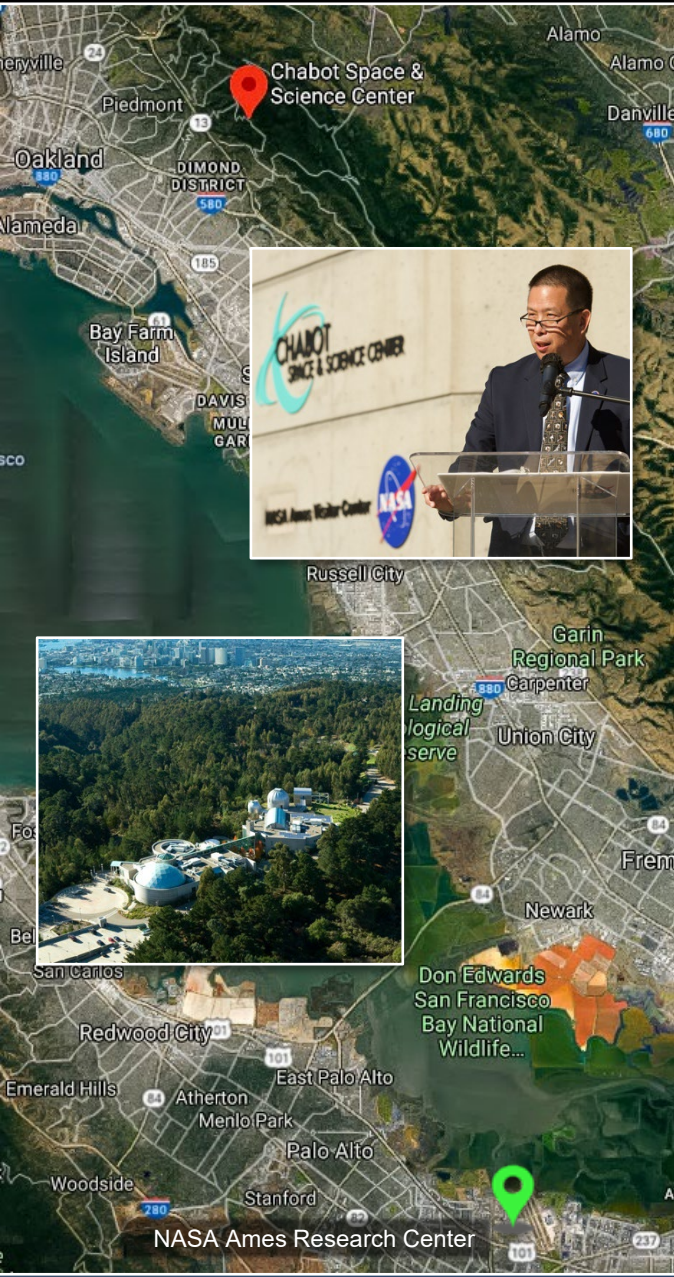


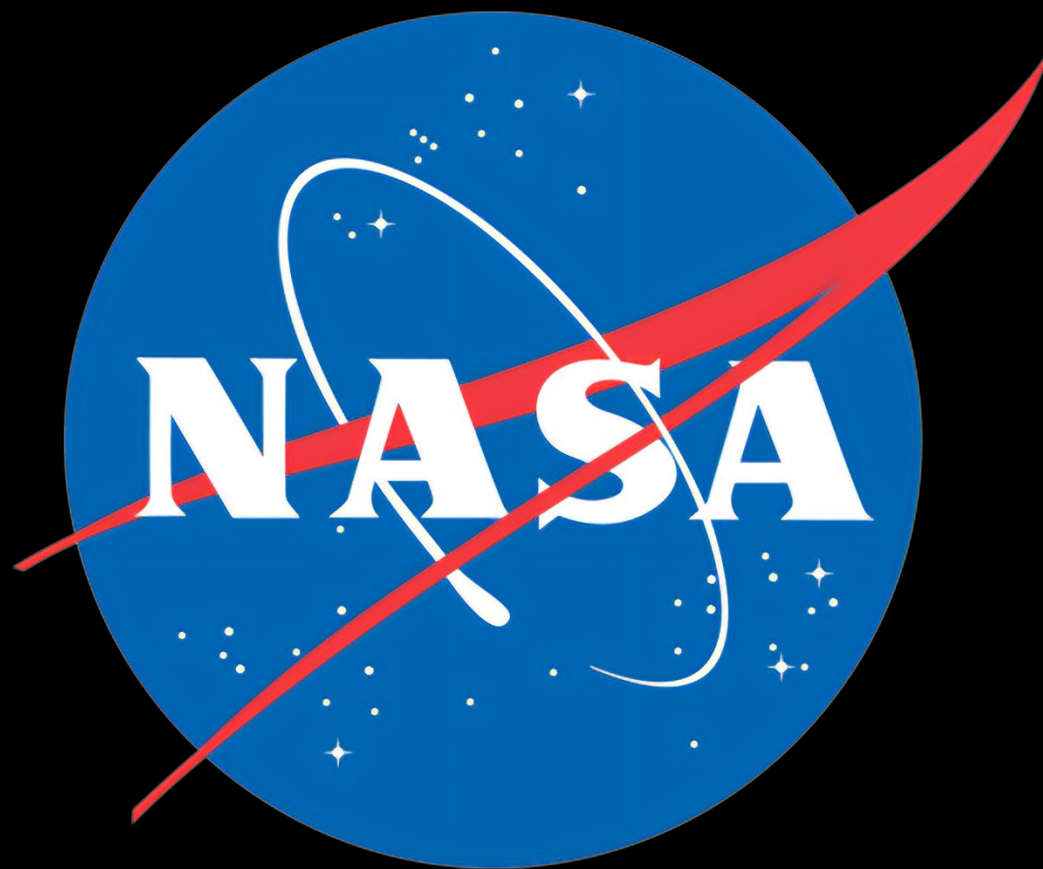
ACS3



NASA Berkeley Summer Scholars 2024

Inspiring the Community and the Next Generation





Understand the Sun, Earth, Solar System, Life and the Universe



NASA Science and Exploration Missions

Understand the Sun, Earth, Solar System, Life and the Universe



Hubble (visible)



IXPE (x-ray polarimetry)



Chandra (x-ray imaging)



JWST (near-infrared)



Artemis II



Perseverance



JUNO



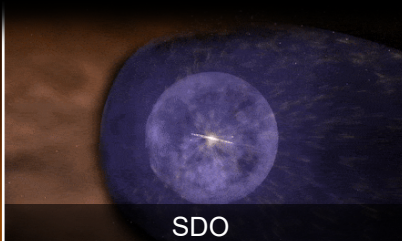
OSIRIS-REx



Europa Clipper



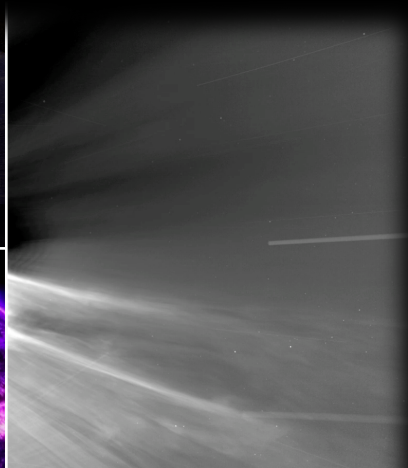
Parker Solar Probe



SDO



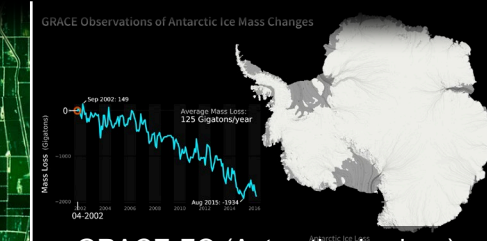
Solar Orbiter (ESA led)



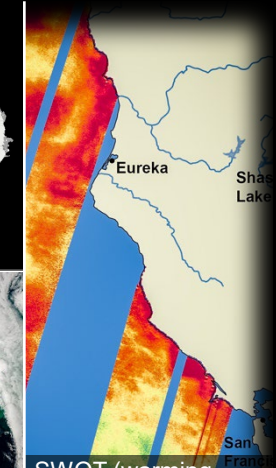
IMAP



LandSat 9 (croplands in Missouri)



PACE (Phytoplankton, Barents Sea)



SWOT (warming waters off CA coast)