

National Aeronautics and
Space Administration



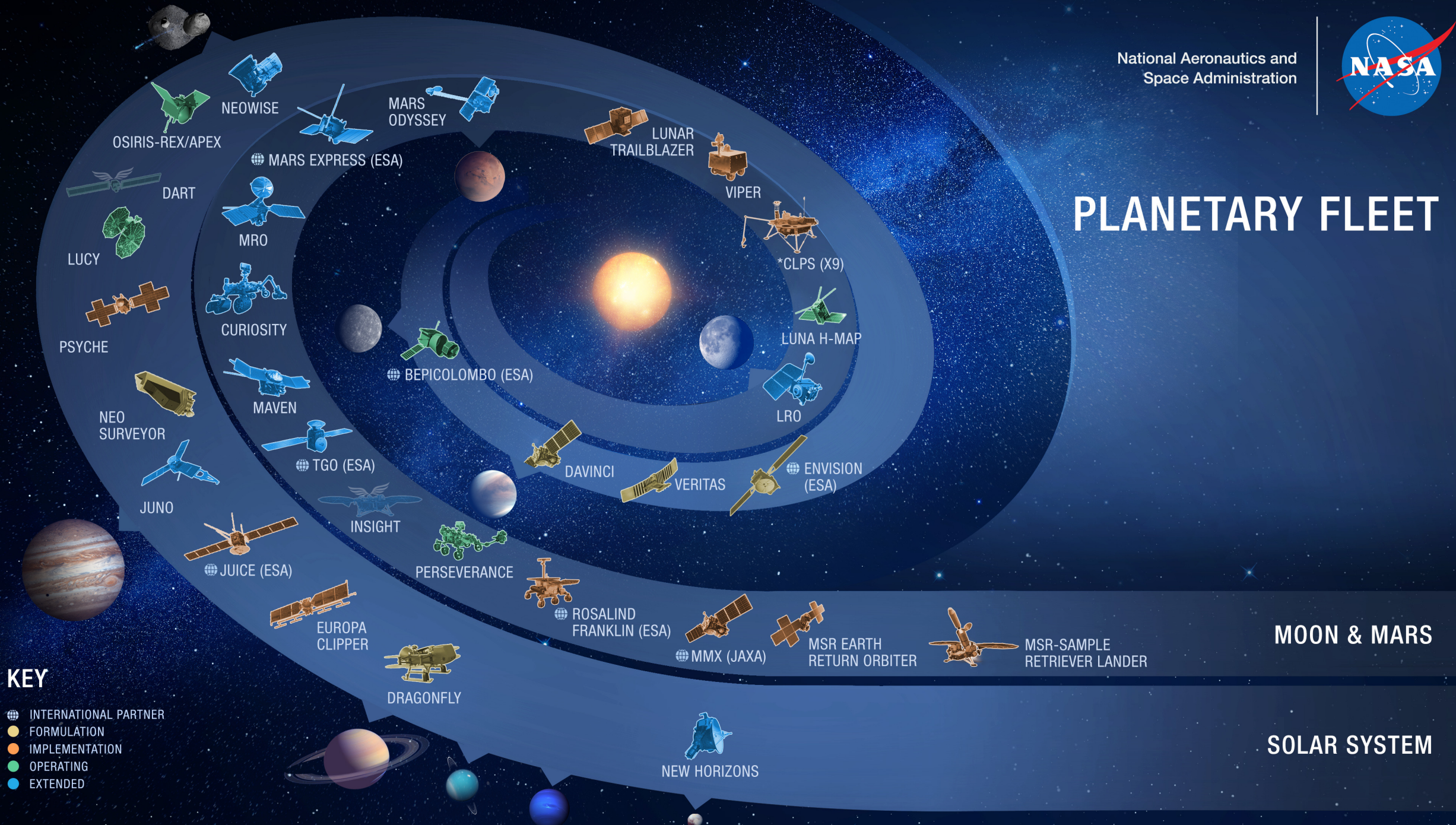
EXPLORE SCIENCE

Lori S. Glaze, Ph.D.,
NASA Planetary Science Division Director
Technology Showcase
January 9, 2023





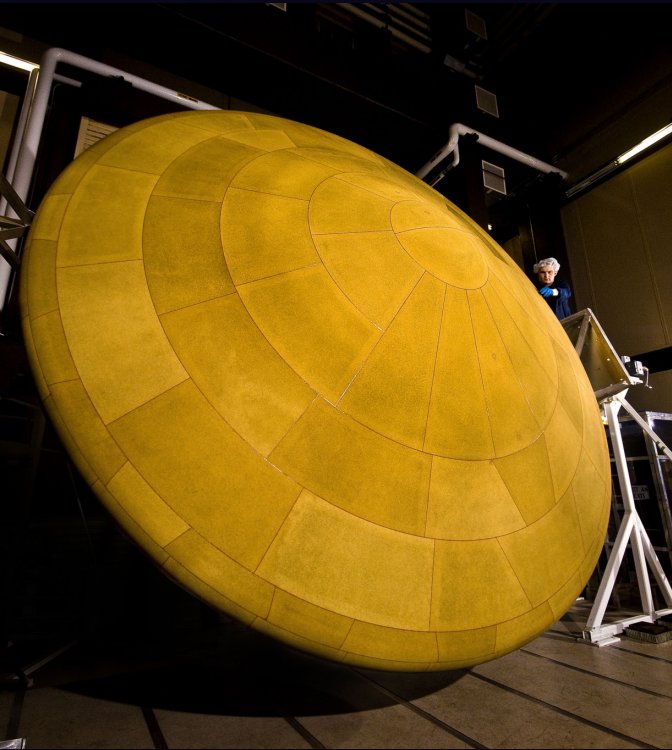
PLANETARY FLEET



Technology Successes



Landing Systems for Curiosity and Perseverance



Above: 4.5-m MSL (Curiosity) heat shield

Below: MEDLI2 sensors installed on Mars2020 heat shield and back shell

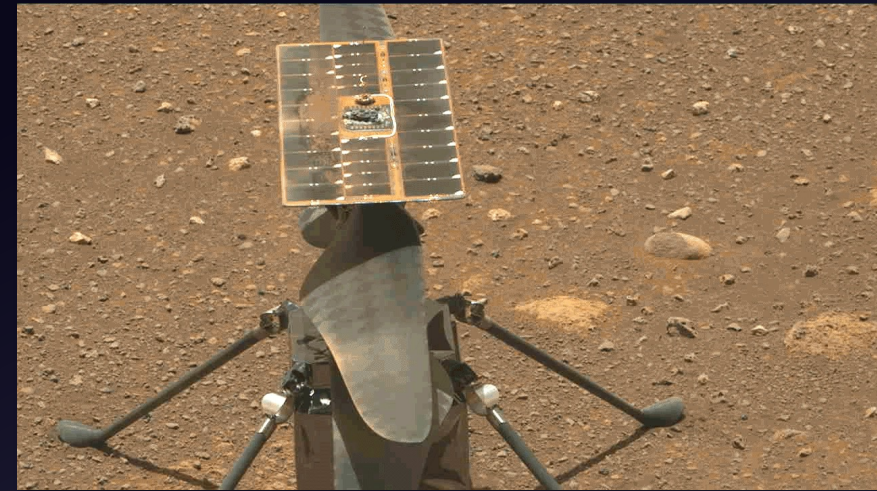


**PERSEVERANCE ROVER'S
DESCENT AND TOUCHDOWN ON MARS
ONBOARD CAMERA VIEWS**

Ingenuity: Taking Flight on Mars

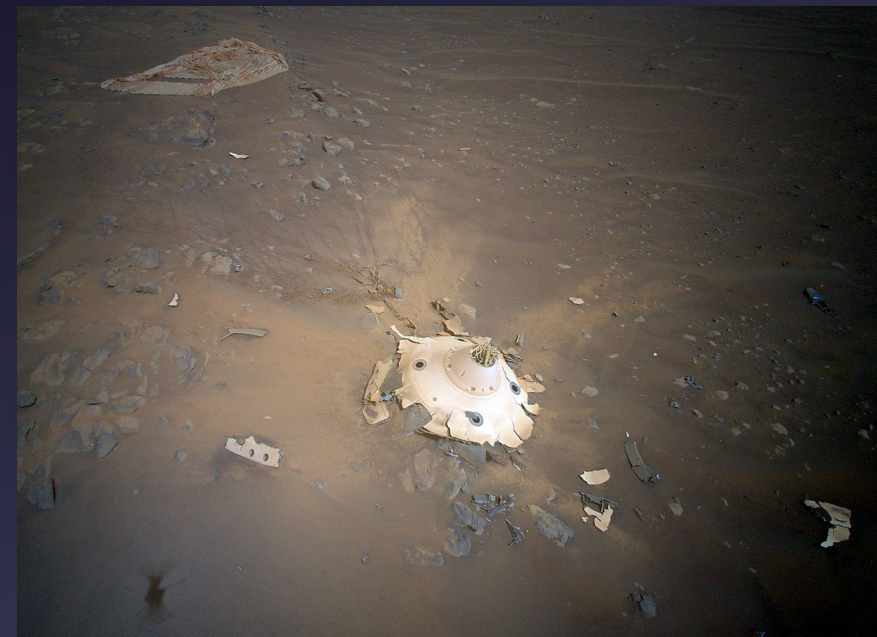


First flight, April 19, 2021

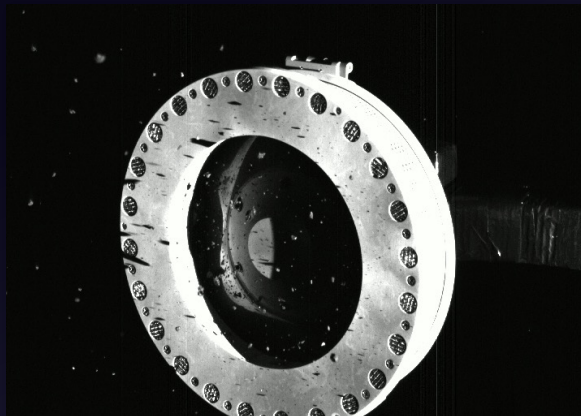


Above: Testing the carbon fiber blades

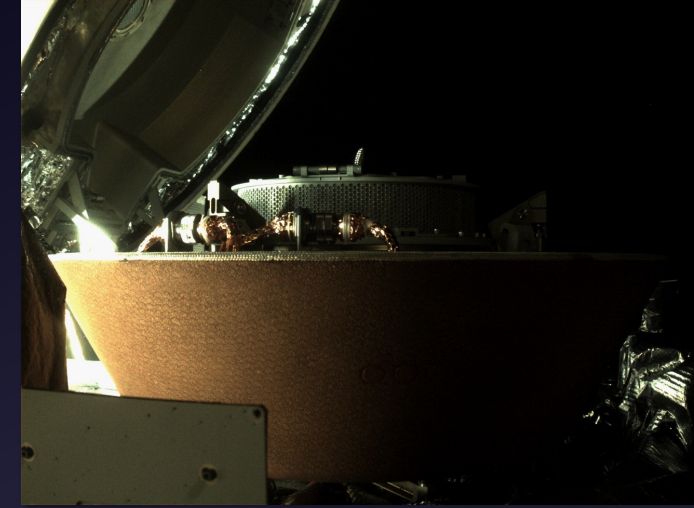
Below: Remains of Perseverance back shell, imaged April 19, 2022



OSIRIS-REx



Touch-and-Go ('TAG') at Nightingale Crater Oct 20, 2020



Samples land
Utah Test and
Training Range,
September 24,
2023



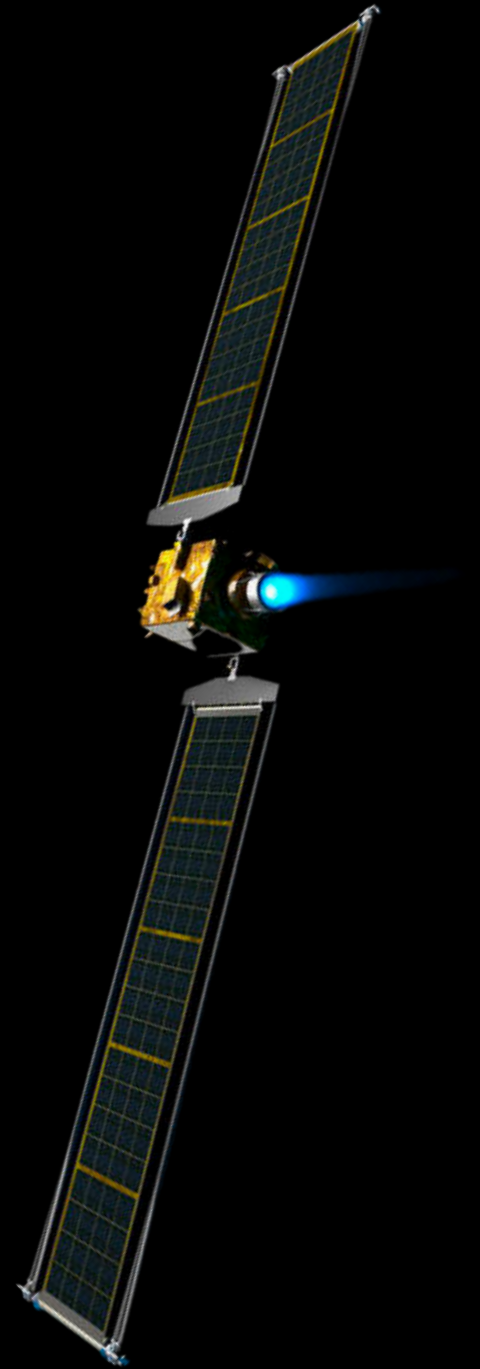
DART

Double Asteroid Redirection Test

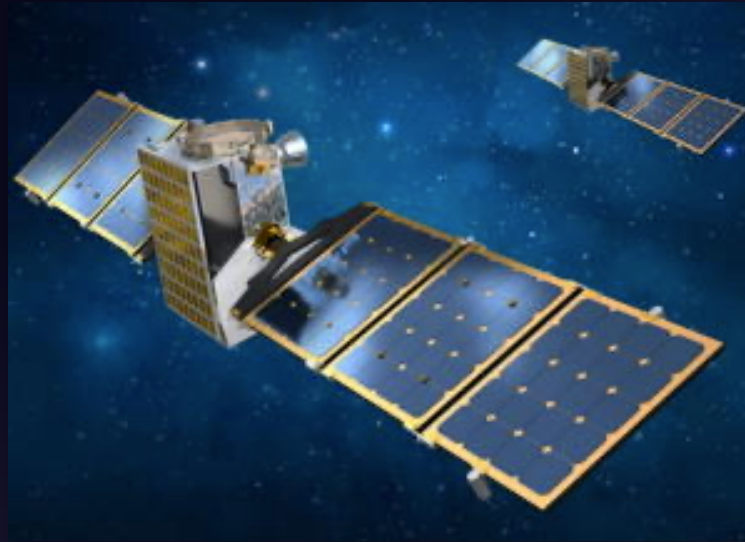
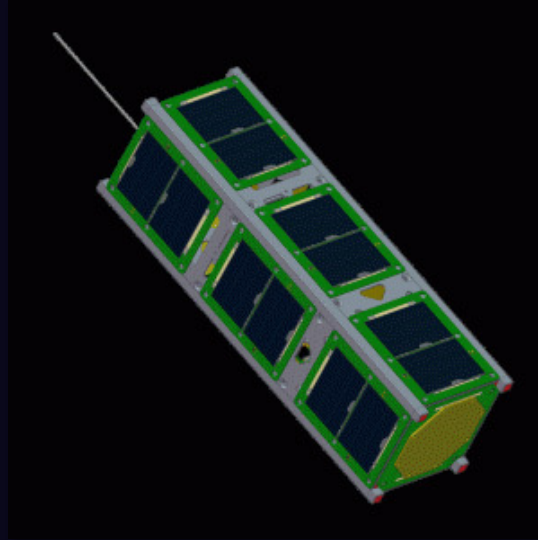
September 26,
2022
7.10–7.15 pm EST

DRACO images
streamed to Earth
from 7 million
miles away

(10 x speed)



What's Next?



EXPLORE

With Us

