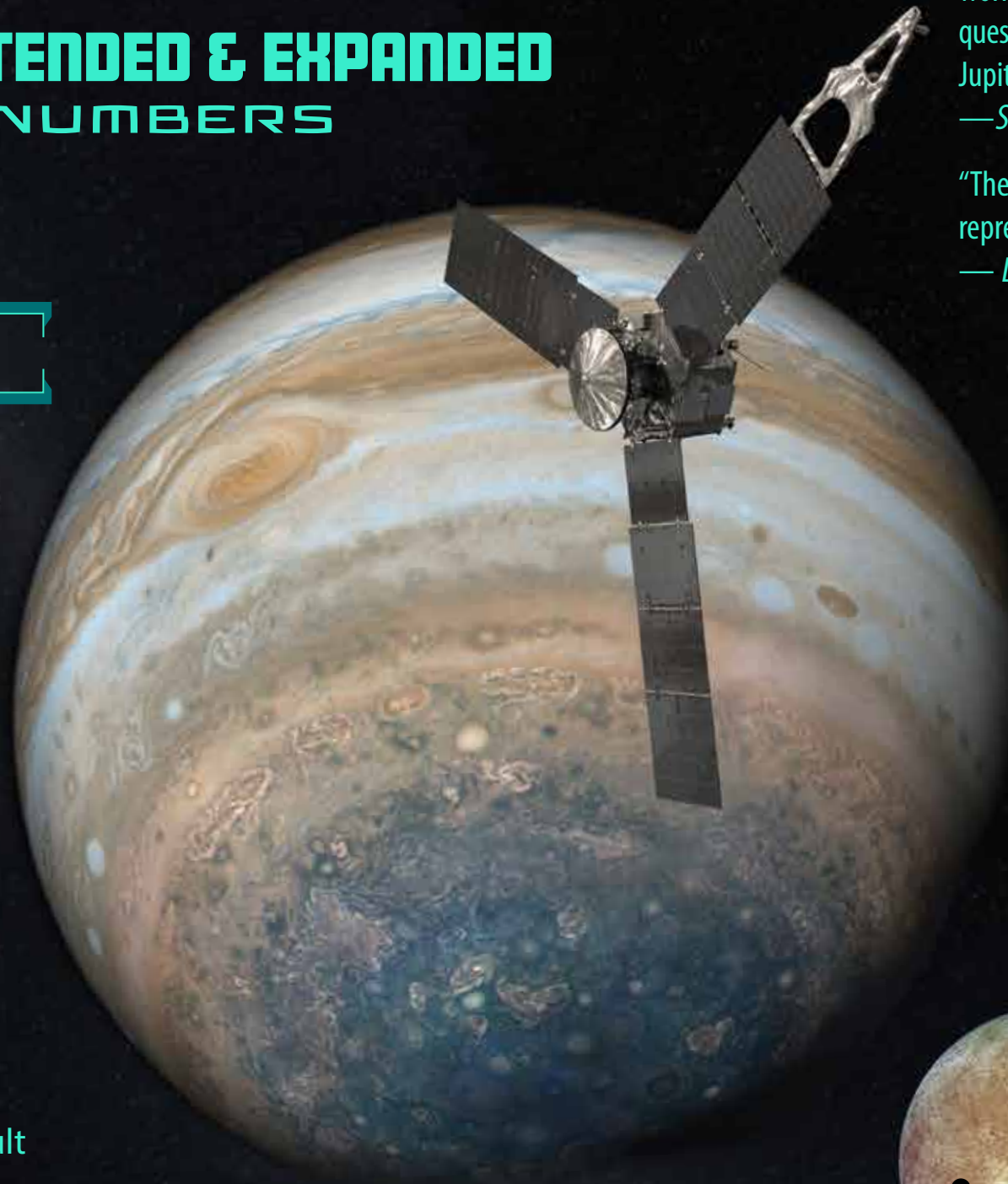


MISSION JUNO: EXTENDED & EXPANDED BY THE NUMBERS



"Since its first orbit in 2016, Juno has delivered one revelation after another about the inner workings of this massive gas giant. With the extended mission, we will answer fundamental questions that arose during Juno's prime mission while reaching beyond the planet to explore Jupiter's ring system and largest satellites."

—SwRI's Scott Bolton, Juno principal investigator

"The Juno team will start tackling a breadth of science historically required of flagships. This represents an efficient and innovative advance for NASA's solar system exploration strategy."

—Lori Glaze, Planetary Science Division Director, NASA HQ

PRIMARY MISSION

Investigate Jupiter's origins, interior, atmosphere and magnetosphere

LAUNCH: August 5, 2011 ARRIVAL: July 2016

PRIMARY MISSION ENDS: July 2021

34 Science Orbits

SPACECRAFT

1ST Spacecraft Equipped with a Radiation Vault

400 POUND Titanium Electronics Vault

29 Science Sensors on 11 Instruments

3 Solar Panels Spanning 66 FEET

EXTENDED MISSION

Investigation of Jupiter's northern hemisphere and polar cyclones, dilute core, magnetic features being sheared by Jupiter's zonal jets; flybys of Io, Europa and Ganymede; observation of the distant boundaries of the magnetosphere; and the first exploration of Jupiter's rings

MISSION STARTS: August 2021 MISSION ENDS: September 2025

42 Additional Orbits

6 Flybys over the Great Blue Spot, a Magnetic Enigma

1ST Detailed Exploration of Jupiter's Faint Rings

19 Atmospheric Occultations

MOON FLYBYS

3 EUROPA FLYBYS

1ST Mapping of Europa's Ice Shell Thickness

11 IO FLYBYS

1ST Search for Io's Global Magma Ocean

1ST Measurement of Space Weathering on an Icy Moon

2 GANYMEDE FLYBYS

