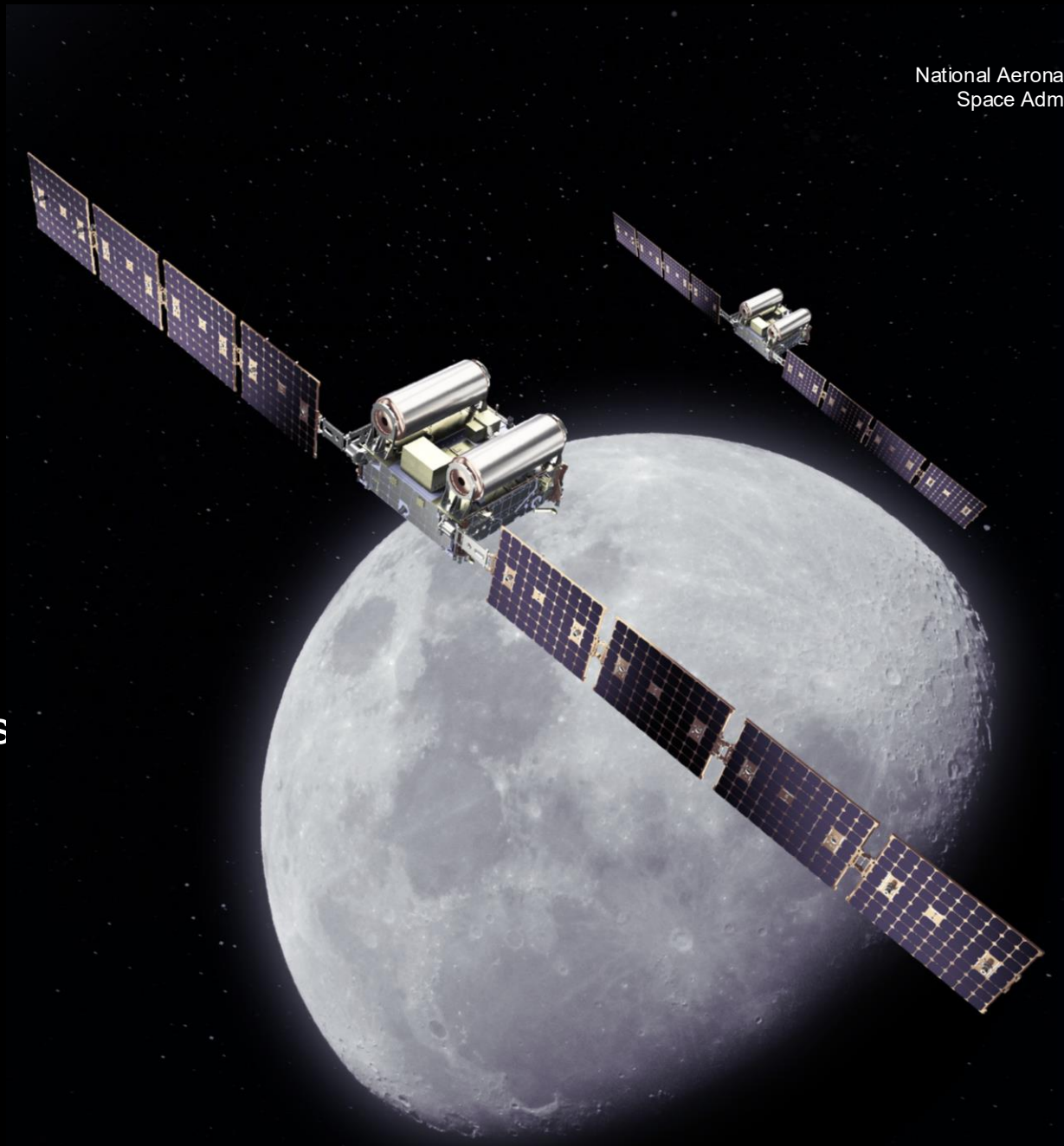
National Aeronautics and Space Administration

CAPSTONE 02

Samson Phan



PROJECT MANAGER
Small Spacecraft & Distributed Systems

August 26, 2026

Mission Overview

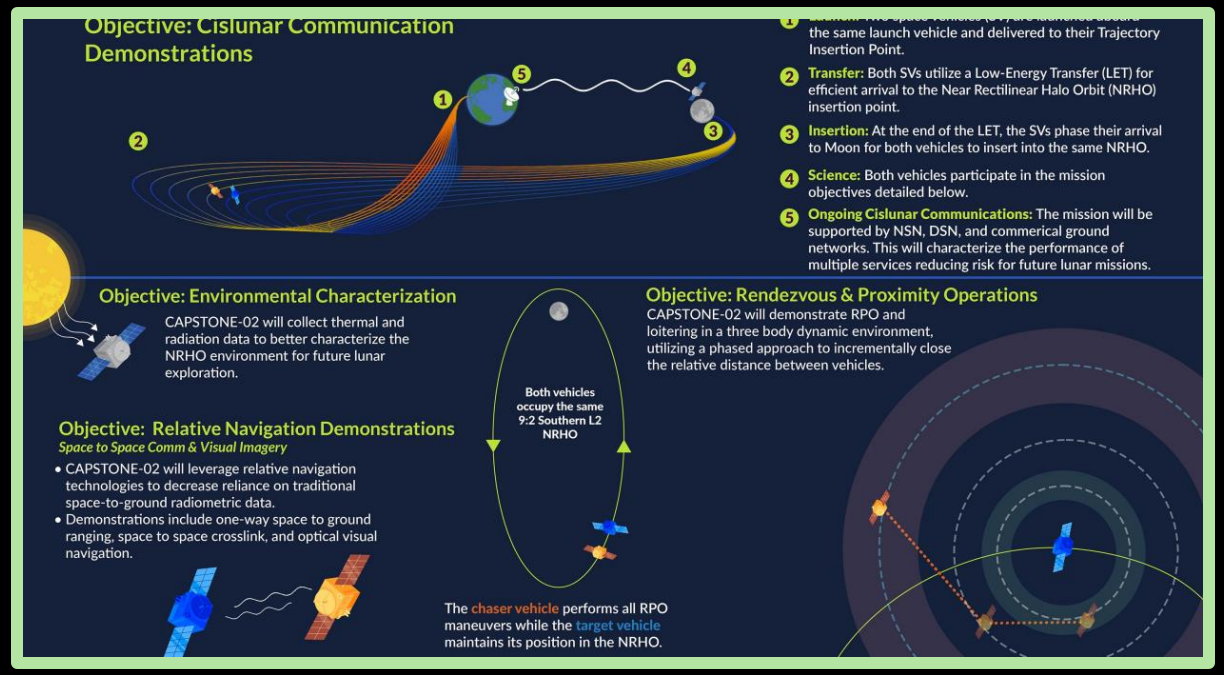


Image Credit: Advanced Space

Mission Status: In development

Shortfalls Addressed:

14 - Perform missions with small spacecraft beyond low Earth orbit

31 - Provide space technology demonstration environments

Objectives and Significance

- Jointly funded and managed by NASA's Human Spaceflight Mission Directorate and Research and Technology Mission Directorate, CAPSTONE 02 is a technology demonstration mission to reduce risk for NASA's Artemis program and Moon Base. The mission will mature technologies for future cislunar and deep space missions.
- Follow on to the highly successful original CAPSTONE mission
- Developed and operated by Advanced Space on behalf of NASA

Funding Pathway

SBIR Phase III

Launch Information

Launch slated for late 2027

CAPSTONE 02

Mission Operations	CAPSTONE 02 will use two small spacecraft in lunar orbit to demonstrate rendezvous and proximity operations, autonomous navigation, and cislunar communication capabilities while characterizing the radiation environment near the Moon.
Milestones Met to Date	Critical Design Review: August 4 – 7, 2026
Partners & Contributions	Advanced Space: Prime Contractor Terran Orbital: Bus Provider Lawrence Livermore National Laboratory: Optical Payload Space Dynamics Laboratory: Iris Radios



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