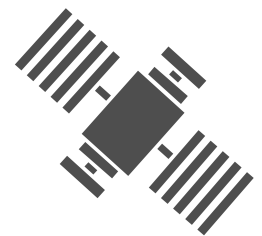
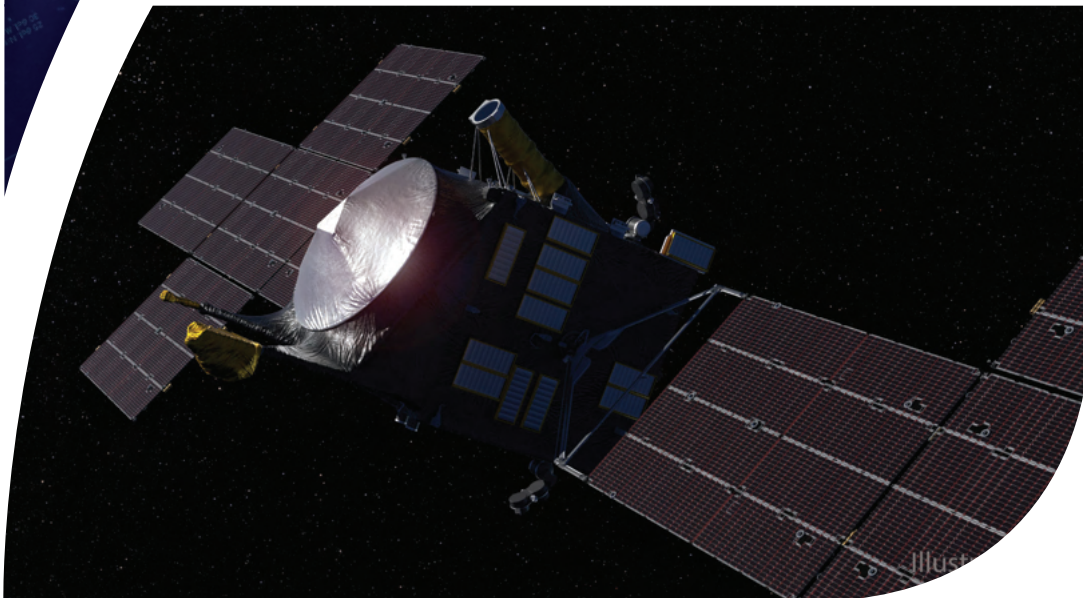


National Aeronautics and
Space Administration



Marshall Space Flight Center

IN-SPACE AND SURFACE MISSION OPERATIONS



Marshall Space Flight Center is the leader in conducting end-to-end mission operations for science payloads in low-Earth orbit, in cislunar space, on the lunar surface and beyond.



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Autonomous Systems

Lights-out automated services for routine command and control operational services

Access to NASA's secure and reliable spaceflight networks, with the capability to expand to commercial or Department of Defense facilities

24/7/365 monitoring from a secure facility provides effective, reliable support for ground and space ops

Centralized operations and integration capabilities to maximize ROI

Mission Ops Integration and Planning

Autonomous and crewed spacecraft science mission operations concept development

Expertise in creating and integrating requirements for complex experiments into a cohesive schedule of flight and ground activities

Safe and efficient on-orbit and ground command procedure development

Logistics planning during all flight phases across various delivery schedules and vehicles

Mission planning solutions with automated tools

Mission Ops Training and Execution

Development of science operations curriculum and related instructional design

Certified flight controllers to support any mission needs

Flight and ground controller training and certification

Payload instructor assessment and training

Remote science user, ground systems interface, and NASA tools training

XR (virtual and augmented) training assessment

Simulation Model Development



Huntsville Operations Support Center at NASA's Marshall Space Flight Center

Distributed Ground Systems and Data Management Provisions

Mission critical facility hosts customer systems onsite

Multiple turnkey configurable control rooms to meet the specific needs of any mission

Worldwide connectivity for remote operations

State-of-the-Art command and control, telemetry, voice, and video services

Direct access to NASA communication assets (e.g., NSN, DSN) and commercial vendors

Cybersecurity and IT/security specialists

NASA's in-house imagery experts

National Aeronautics and Space Administration

Marshall Space Flight Center
Huntsville, AL 35812
www.nasa.gov/centers/marshall

www.nasa.gov



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