



# NASA Advisory Council

## HUMAN EXPLORATION AND OPERATIONS COMMITTEE

Ken Bowersox, Associate Administrator  
Space Operations Mission Directorate  
NASA Headquarters – Washington, D.C.



# SPACE OPERATIONS RECENT ACCOMPLISHMENTS

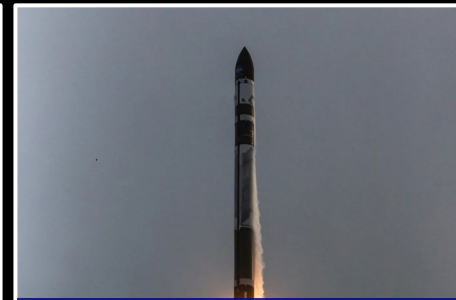


**Successful Landing of Uncrewed Starliner Spacecraft**

**Crew Selected for NASA's SpaceX Crew-10 Mission**



**Successful Launch of Fourth and Final Satellite, GOES-U**



**PREFIRE: NASA Launches Small Climate Satellites to Study Earth's Poles**



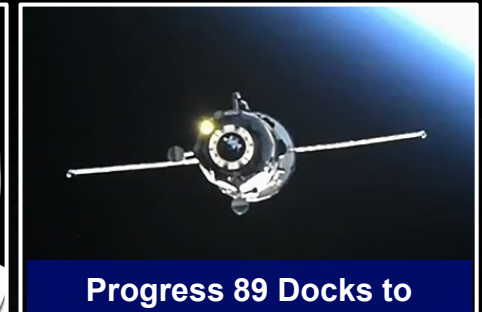
**NASA's Optical Comms Demo Transmits Data Over 140 million miles**



**Successful Launch of NASA's Northrop Grumman 21st Commercial Resupply Mission**



**NASA's SpaceX Crew-9 Mission Announcement**



**Progress 89 Docks to Space Station, Delivering Nearly Three Tons of Food, Fuel, and Supplies**



**NASA's Europa Clipper Arrives at Kennedy Space Center**



**NASA Assigns Astronaut Jonny Kim to First Space Station Mission**



**Six Deep Space Network Antennas in Madrid Arrayed For the First Time**

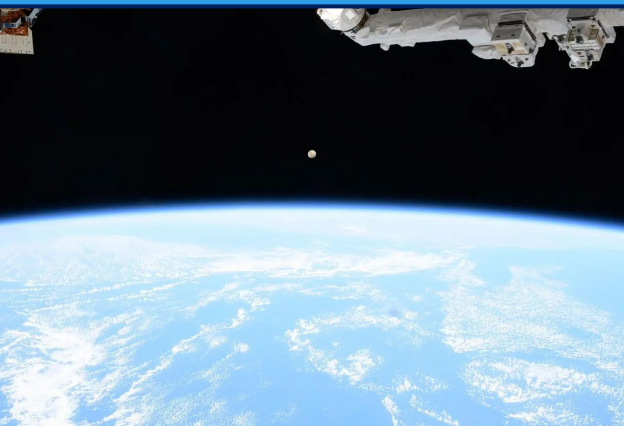


# SPACE OPERATIONS RECENT ACCOMPLISHMENTS



**NASA Selects ISS Deorbit Vehicle**

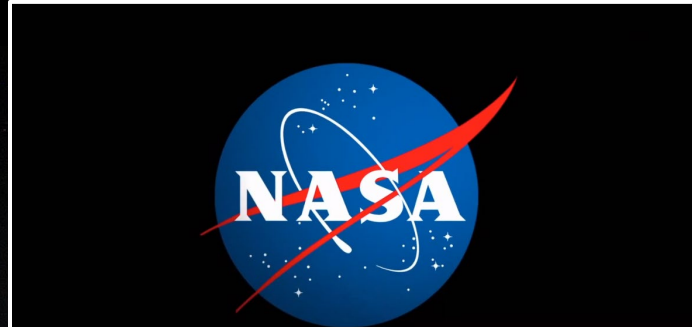
**NASA Invites Public Input on  
Low Earth Orbit Microgravity Strategy**



**Blue Origin's Successful  
Crewed Flight**



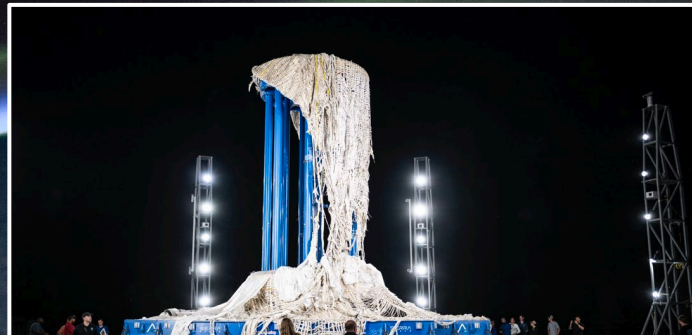
**NASA Awards Launch Services  
Contract for JPSS-4 Mission**



**COSI Launch Services Award**



**Completed Three Lessons Learned  
TIMs with CLD Industry**



**NASA Conducts 2nd Full-Scale Ultimate  
Burst Pressure Test**



**NASA Selects Three New Venture-  
Class Launch Service Providers**



# SPACE OPERATIONS RECENT ACCOMPLISHMENTS



NASA Transmits Hip-Hop Song to Deep Space via DSN

Completed Five Education Downlinks with 31,000+ Attendees



Supported the 39<sup>th</sup> Space Symposium in Colorado Springs



Supported 13th Annual ISS Research and Development Conference



Supported AAIA ASCEND 2024 in Las Vegas



Supported Biden Cancer Moonshot NASA Community Conversation



NASA Space Operations Team Supported the ESSENCE Festival of Culture



Lunabotics 2024



Three STEMonstrations Released



VCLS Demo 2 "Noise of Summer" Launch



# SPACE OPERATIONS RECENT ACCOMPLISHMENTS



**CHAPEA Crew Exits Mars Habitat After 378 Days**

**Guam Group Achievement Award & Martinez Dedication**



**Space Flight Awareness Honoree Ceremony in Orlando**



**Record 19 People in Low Earth Orbit**

**BENJAMIN ALVIN DREW**  
LEAD, NASA SPACE SUSTAINABILITY STRATEGY  
NASA'S SPACE OPERATIONS MISSION DIRECTORATE

**Alvin Drew Assumes Role as Lead for NASA Space Sustainability**

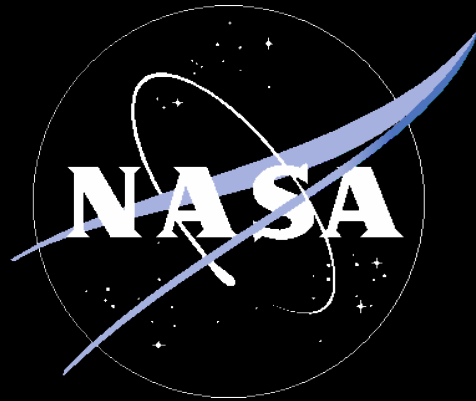
**NASA Awards Winners at Deep Space Food Challenge**

**DEIA Accomplishments**

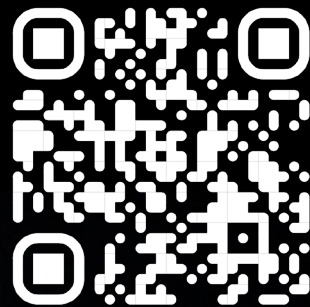
**Submitted SOMD Budget Request**







**SPACE OPERATIONS MISSION DIRECTORATE**



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