

National Aeronautics and
Space Administration



Joint Aeronautics and Space Engineering Board and Space Studies Board 2025 Meeting

KEN BOWERSOX

Associate Administrator, Space Operations Mission Directorate

July 24, 2025; National Academies of Sciences, Engineering,
and Medicine Keck Center in Washington, DC



**SPACE
COMMUNICATIONS
AND NAVIGATION**



**INTERNATIONAL
SPACE STATION**



**LAUNCH
SERVICES**



**HUMAN
SPACEFLIGHT
CAPABILITIES**



**SPACE
SUSTAINABILITY**

**COMMERCIAL
SPACE**



UPCOMING



TRACERS / PExT
July 2025



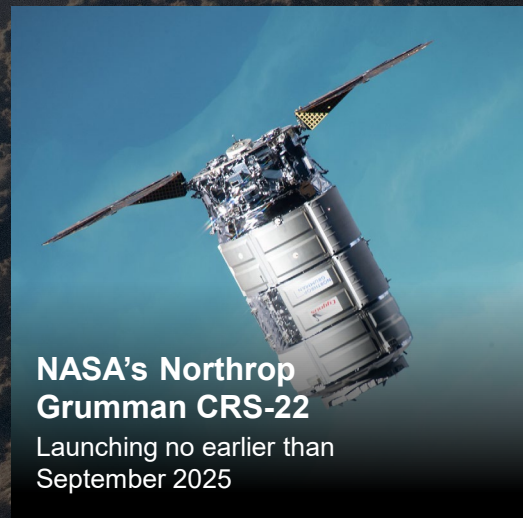
NASA's SpaceX Crew-11
Launching no earlier than July 31



NASA's SpaceX Crew-10
Returning early August



NASA's SpaceX CRS-33
Launching no earlier than August 2025



NASA's Northrop Grumman CRS-22
Launching no earlier than September 2025



IMAP (Interstellar Mapping and Acceleration Probe)
Launching no earlier than September 2025



NASA Astronaut Chris Williams
Launching no earlier than November 2025

KEY PRIORITIES



International Space Station and Commercial Crew

- Ongoing Operations (crew size, mission durations/cargo cadence, research critical to the Moon and Mars exploration programs).
- Update on Starliner, other providers (NG, Dream Chaser, etc.)
- Transitioning to CLDs, progress towards commercial space stations
- Safe decommission/deorbit (forward work with international partners, SpaceX)



Space Communications and Navigation

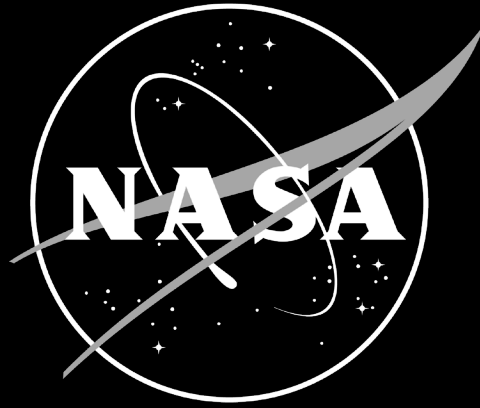
- CSP, TDRS Replacement (recent RFI)
- Optical comms for deep space
- Facilities upgrades



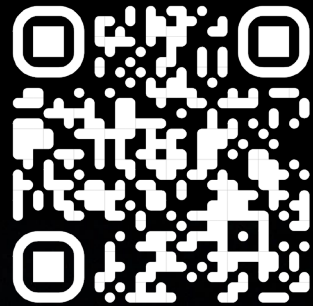
Exploring areas for commercial developments/partnerships

An aerial photograph of a vast, snow-covered mountain range, likely the Himalayas, with the word "QUESTIONS?" overlaid in white, bold, sans-serif font in the center. The snow is bright white, contrasting with the deep blue of the sky and the darker shadows of the mountain ridges.

QUESTIONS?



SPACE OPERATIONS MISSION DIRECTORATE



@NASASpaceOps

