



STARLINER

CARGO UP AND BACK: CREW FLIGHT TEST

Starliner will carry about 760 pounds of cargo on Starliner's first crewed flight, including about 300 pounds for NASA, such as crew food, clothing, exercise gear, medical supplies, a media kit and personal preference items. Other cargo includes vehicle supplies and tools, personal hygiene items for the astronauts and emergency life support equipment. Also on board is a thumb drive filled with about 3,400 creative space-themed masterpieces made by students from around the world through a partnership between Boeing and the Space Foundation.

Mementos, such as mission patches and coins and American flags will also make the trip to the International Space Station (ISS) on the Crew Flight Test (CFT). There also may be a few "Easter Eggs," or small hidden surprises, which have become a fun tradition on NASA missions to places like the Moon and Mars.

NASA astronauts Barry "Butch" Wilmore and Sunita "Suni" Williams are bringing a few special items that represent their lives outside of space, such as from their time in the U.S. Navy. Wilmore, for example, had special gold rings made for his family to resemble the Naval astronaut pilot wing pin. Williams will bring items from the Sunita L. Williams Elementary School (SWES) in Massachusetts, a diver pin, dog tags from her two Labrador retrievers, colorful socks she'll be wearing on orbit and Calypso-inspired items. Williams named the CFT spacecraft *Calypso* after the first Orbital Flight Test based on her love of the ocean and Starliner being the gateway to science exploration in space like Jacques Cousteau's research vessel Calypso was on Earth.

On the return home, Starliner is expected to bring back about 750 pounds of cargo. About 355 pounds will be for NASA cargo, including an empty NORS tank (Nitrogen/Oxygen Recharge System).

PATCHES & COINS

Each color and design element of Starliner's Crew Flight Test (CFT) patch has special meaning to Commander Barry "Butch" Wilmore and Pilot Sunita "Suni" Williams, who added their personal touches to the development.

Flight patches have served for decades as iconic representations of U.S. human spaceflight tests and missions.

The prominent use of orange, for example, is a nod to Wilmore and Williams' experience in testing new vehicles. Both are experienced U.S. Naval aviators and test pilots.

The astronaut symbol between Wilmore and Williams' names represents all who will follow in their footsteps after Starliner receives its certification from NASA.



SILVER SNOOPY PINS

Dozens of Silver Snoopy pins will be packed inside Starliner's cargo bags to orbit the Earth, dock to the International Space Station (ISS) and return at the end of the mission. The small items depict the beloved American beagle happily wearing a spacesuit.



NASA's missions have routinely included cargo space for the safety mascot that was designed by cartoonist Charles M. Schulz to highlight Snoopy's special relationship with human spaceflight and the constant drive to do things safer and better than before.

Silver Snoopy pins are presented by astronauts as part of NASA's Space Flight Awareness awards to those who directly contribute to the success of the U.S. human spaceflight program.

Of all NASA's Space Flight Awareness awards, the Silver Snoopy best symbolizes the intent and spirit of Space Flight Awareness. An astronaut always presents the Silver Snoopy because it is the astronauts' own award for outstanding performance, contributing to flight safety and mission success. Fewer than 1 percent of the aerospace program workforce receive it annually, making it a special honor to receive this award.

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