

NASA and SpaceX re-attempt launch of four crew to ISS

August 25 2023, by Greg Newton



A SpaceX Falcon 9 rocket with the company's Crew Dragon spacecraft on top is seen on the launch pad at Launch Complex 39A, at NASA's Kennedy Space Center in Florida.

NASA and SpaceX will try again on Saturday to send the next crew of

four astronauts to the International Space Station.

Dubbed Crew-7, the mission will be commanded by American Jasmin Moghbeli and includes Andreas Mogensen of Denmark, Satoshi Furukawa of Japan and Konstantin Borisov of Russia.

Liftoff is planned for 3:27 am (0727 GMT) from Launch Complex 39A at NASA's Kennedy Space Center in Florida, with a backup opportunity on Sunday.

The launch was pushed back to Saturday to give engineers an extra day to review a component of the Crew Dragon capsule's environmental control and life support system, NASA said in a blog post.

It will be the first [space](#) mission for both Moghbeli and Borisov.

"This is something I've wanted to do for as long as I can remember," said Moghbeli, a Naval test pilot, during a media call last month.

"One of the things I'm most excited about is looking back at our beautiful planet," added the 40-year-old of Iranian heritage.

"Everyone who I've talked to who has flown already has said that was a life-changing perspective—and also floating around in space, it seems really fun."

Crew-7 is set to be the seventh routine mission to the orbital platform for Elon Musk's SpaceX, with the first coming in 2020.

NASA pays SpaceX for the taxi service as part of a commercial [crew](#) program that it put in place to reduce dependency on Russian rockets for astronaut transport after the space shuttle program ended in 2011.

Boeing is the other contracted private partner, but its program remains mired in delays and technical difficulties. It has not yet flown any crew.

Borisov will be the third Russian to fly on a SpaceX Crew Dragon capsule, fixed atop a Falcon 9 rocket.

Space remains a rare area of cooperation between the United States and Russia despite Moscow's invasion of Ukraine, with Americans also continuing to fly aboard Russian Soyuz rockets that launch from Kazakhstan.

The crew will spend six months aboard the ISS, where they will carry out [science experiments](#) including collecting samples during a spacewalk to determine whether the station releases microorganisms through its life support system vents.

The goal is to understand if microorganisms can survive and reproduce in space.

Another experiment will aim to assess the physiological differences between sleep on Earth and in space.

"I'm looking forward to coping with all the tasks. This is a very interesting profession: you are preparing for something that you haven't tried yet, and you really want to do it well," said Borisov.

Crew-7 will join the seven people already aboard the ISS, before members of Crew-6 leave for Earth a few days later.

The first segment of the ISS was launched in 1998, and it has been continuously inhabited by an international crew since 2001.

Its operations are set to continue until at least 2030, after which it will be

decommissioned and crash into the ocean. Several private companies are working on commercial space stations to replace it.

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