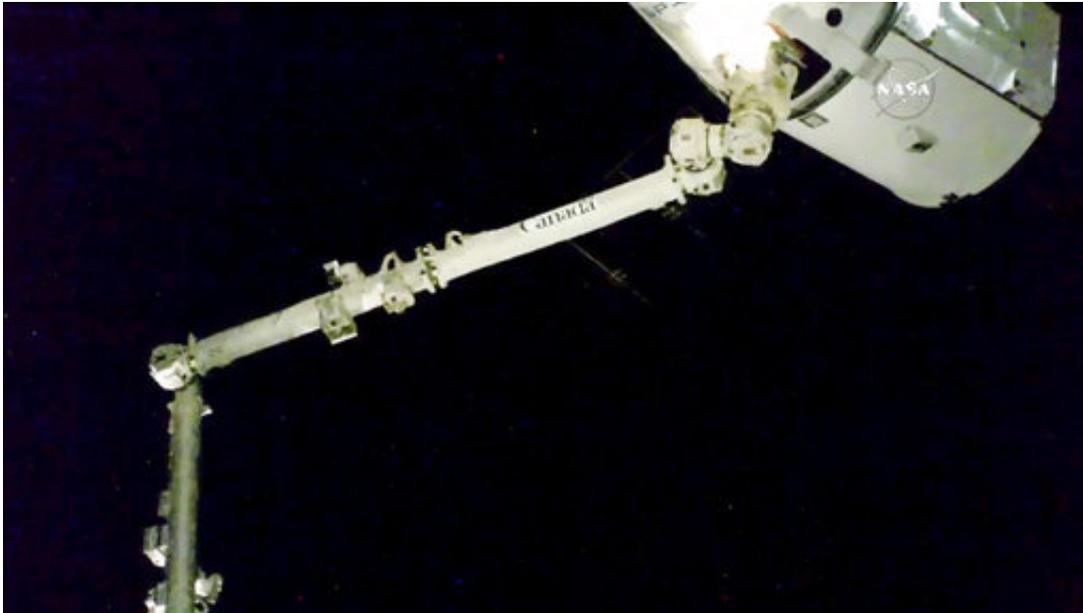


'Dragon back' as cargo reaches space station

December 17 2017



In this image taken from NASA Television, the robotic arm reaches out and captures the SpaceX Dragon cargo spacecraft for docking to the International Space Station, Sunday Dec. 17, 2017. SpaceX launched the Dragon from Cape Canaveral, Florida, on Friday, using a previously flown Falcon rocket. It was the first time SpaceX had flown a recycled rocket with a recycled capsule on top. (NASA via AP)

SpaceX's unmanned Dragon cargo ship docked on Sunday with the International Space Station, bringing supplies and experiments for the astronauts in orbit.

"Dragon installed," a NASA commentator said at 1326 GMT after the

delicate, hours-long process of sealing 16 bolts joining the two craft was complete.

At that moment, they were flying 250 miles above the North Atlantic.

Earlier, as the Dragon arrived, the space station's robotic arm, operated by one of its astronauts, attached itself to the [cargo ship](#) as they were over Australia and Papua New Guinea.

"It's a great day to see Dragon back at ISS again," said another NASA commentator.

The recycled spaceship blasted off on Friday carrying 4,800 pounds (2,200 kilograms) of food, supplies and experiments—including one to study thyroid cancer and another to grow barley in space.

It was the first time SpaceX launched both a rocket and a cargo ship that have flown before.

Three minutes after launch the booster and second stage of the rocket separated.

The second stage continued to propel the Dragon toward the International Space Station, while the [rocket booster](#) landed upright on solid ground at Cape Canaveral, Florida.

The California-based SpaceX company headed by Internet tycoon Elon Musk aims to lower the cost of spaceflight by reusing costly rocket components.

It was the 14th recovery of a booster for SpaceX this year.

The Dragon cargo ship previously flew to the ISS in 2015.

NASA is SpaceX's most important customer, and this mission is SpaceX's 13th of 20 under a \$1.6 billion contract with NASA.

The docking came as a three-man space crew featuring American and Japanese rookie astronauts as well as an experienced Russian cosmonaut blasted off from Kazakhstan on Sunday for a six-month mission at the International Space Station.

© 2017 AFP

Citation: 'Dragon back' as cargo reaches space station (2017, December 17) retrieved 22 September 2024 from <https://phys.org/news/2017-12-dragon-cargo-space-station.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.