

SpaceX blasts off cargo using recycled spaceship

June 3 2017



The SpaceX Falcon 9 rocket, with the Dragon spacecraft onboard, is seen at Launch Complex 39A at NASA's Kennedy Space Center in Cape Canaveral, Florida, on June 3, 2017

SpaceX on Saturday blasted off a shipment of food and supplies for the astronauts living at the International Space Station using for the first

time a vessel that had flown before.

The refurbished Dragon cargo capsule soared into space aboard a Falcon 9 rocket at 5:07 pm (2107 GMT) from Cape Canaveral, Florida.

"Three, two, one, and liftoff," said NASA spokesman Mike Curie as the rocket blazed a steady upward path into the clouds.

The last time this particular spaceship flew to space was in 2014.

The Dragon is packed with almost 6,000 pounds (2,700 kilograms) of science research, crew supplies and hardware and should arrive at the ISS Monday.

The supplies for special experiments include live mice to study the effects of osteoporosis and fruit flies for research on microgravity's impact on the heart.

The spacecraft is also loaded with solar panels and equipment to study neutron stars.

About 10 minutes after launch, SpaceX successfully returned the first stage of the Falcon 9 rocket back to a controlled landing at Cape Canaveral.

The rocket powered its engines and guided itself down to Landing Zone One, not far from the [launch site](#).

"The first stage is back," Curie said on NASA live webcast, as video images showed the tall, narrow portion of the rocket touch down steadily in a cloud of smoke.

SpaceX said it marked the company's fifth successful landing on solid

ground. Several of its Falcon 9 rockets have returned upright to platforms floating in the ocean.

The effort is part of SpaceX's push to make spaceflight cheaper by re-using costly [rocket](#) and spaceship components after each launch, rather than ditching them in the ocean.

The launch was the 100th from NASA's historic launch pad 39A, the starting point for the Apollo missions to the Moon in the 1960s and 1970s, as well as a total of 82 shuttle flights.

© 2017 AFP

Citation: SpaceX blasts off cargo using recycled spaceship (2017, June 3) retrieved 18 April 2024 from <https://phys.org/news/2017-06-spacex-blasts-cargo-recycled-spaceship.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.