

## Russia's space cargo ship to burn up in atmosphere Friday (Update)

May 6 2015

---



The Russian Progress 57 Cargo Ship arriving to dock with the International Space Station on October 29, 2014

Russia said an unmanned supply ship set for the International Space Station will fall back to Earth Friday and burn up in the atmosphere, after the spacecraft suffered a communications failure.

The Progress supply ship is expected to "end its existence on May 8" between 12:45 am and 06:36 am, Moscow time (21:45 GMT Thursday

and 03:36 GMT Friday)," the Russian space agency said in a statement released Thursday.

It said a more precise time and the area where the ship will hit the Earth's atmosphere would be announced Thursday after 5 pm Moscow time (1400 GMT).

"The space ship will completely burn up in the layers of the atmosphere and only a few small parts of its construction could reach the surface of our planet," the space agency said.

It said the crash would be similar to a planned descent. Russia sends three or four such spacecraft per year to supply the ISS. They then fall back to Earth and burn up in the atmosphere above the Pacific Ocean.

The spacecraft, a Soviet design generally known for its reliability, blasted off for the ISS on April 28 carrying cargo including oxygen, water and spare parts for the orbiting space laboratory with a crew of six international astronauts, one of whom is set for a full year stint.

A few hours after launch, mission control lost contact with it.

A special commission is looking into the incident, the deputy head of Roscosmos space agency Alexander Ivanov said last week.

The ISS crew are not in danger as an American supply ship could bring cargo by June 19.

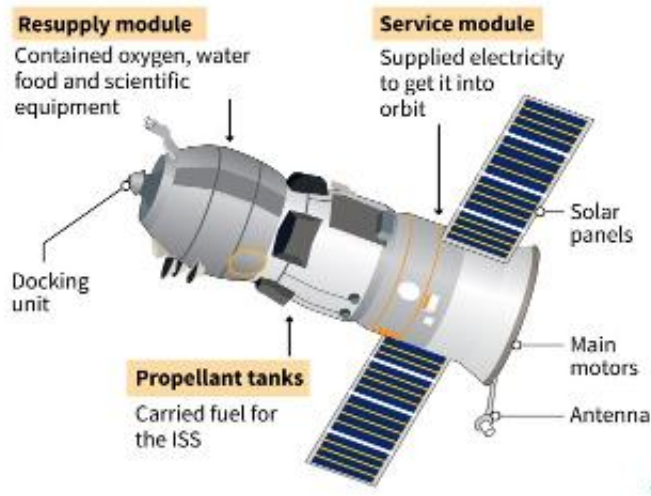
## Russia loses control of its unmanned supply ship

The Progress M-27M cargo spacecraft, which had been due to deliver supplies to the International Space Station (ISS), is spinning out of control and will likely burn up in the atmosphere as it falls to Earth

Length: <b>7.4 m</b>
Diameter : <b>2.7 m</b>
Total weight: <b>7,440 kg</b>
Payload: <b>1,700 kg</b>



Source: NASA



Factfile on Russia's Progress unmanned spacecraft

But a source in the space industry told Interfax news agency on Tuesday that mission control has told the crew to conserve resources.

Russia has recently suffered a series of glitches exposing shortcomings in its space programme.

An earlier Progress supply ship crashed into Siberia shortly after launch in 2011. Moscow has also lost several lucrative commercial satellites.

Since the mothballing of the US Space Shuttle, Moscow has had a monopoly on sending astronauts to the ISS from its Baikonur cosmodrome in Kazakhstan.

© 2015 AFP

Citation: Russia's space cargo ship to burn up in atmosphere Friday (Update) (2015, May 6)

retrieved 23 April 2024 from

<https://phys.org/news/2015-05-russia-cargo-spacecraft-fall-orbit.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.