



# CRS-25 MISSION

## MISSION OVERVIEW

SpaceX is targeting Thursday, July 14 for Falcon 9's launch of its 25th Commercial Resupply Services (**CRS-25**) mission to the International Space Station. Liftoff is targeted for 8:44 p.m. ET, or 00:44 UTC on July 15, from Launch Complex 39A (LC-39A) at Kennedy Space Center in Florida. A backup launch opportunity is available on Friday, July 15 at 8:18 p.m. ET, or 00:18 UTC on July 16.

This is the fifth flight of the first stage booster supporting this mission, which previously supported CRS-22, Crew-3, Turksat 5B, and Crew-4. Following stage separation, Falcon 9 will land on the A Shortfall of Gravitas droneship in the Atlantic Ocean.

The Dragon supporting this mission previously supported CRS-21 and CRS-23. Approximately twelve minutes after liftoff, Dragon will separate from Falcon 9's second stage and dock to the space station on Saturday, July 16 at 11:20 a.m. ET, 15:20 UTC.

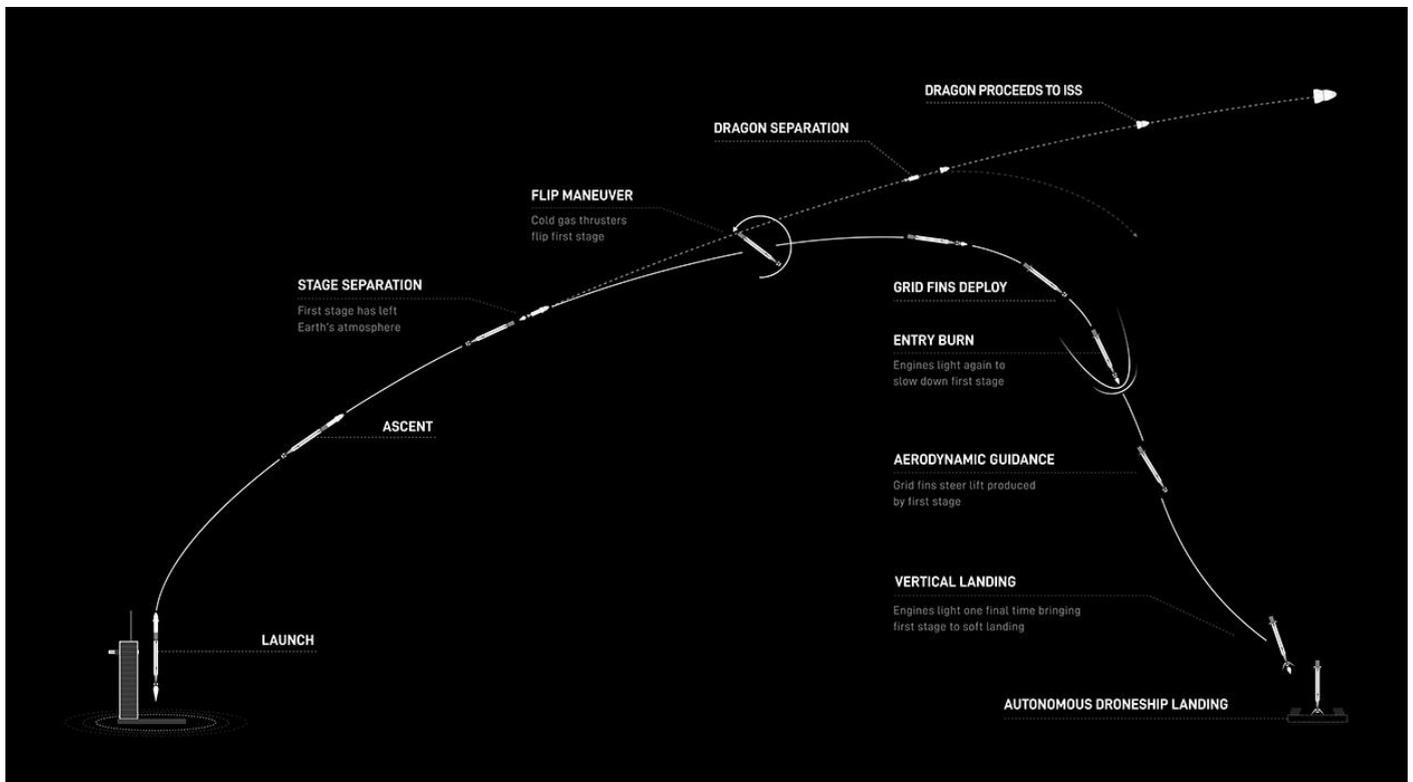
## WEBCAST

[A live webcast of this mission](#) will begin about 20 minutes prior to liftoff.

## PHOTOS

High-resolution photos will be posted at [flickr.com/spacex](https://www.flickr.com/photos/spacex/).

## MISSION PROFILE



# MISSION TIMELINE (ALL TIMES APPROXIMATE)

## COUNTDOWN

<b>Hr/Min/Sec</b>	<b>Event</b>
- 00:38:00	SpaceX Launch Director verifies go for propellant load
- 00:35:00	RP-1 (rocket grade kerosene) loading begins
- 00:35:00	1st stage LOX (liquid oxygen) loading begins
- 00:16:00	2nd stage LOX loading begins
- 00:07:00	Falcon 9 begins pre-launch engine chill
- 00:05:00	Dragon transitions to internal power
- 00:01:00	Command flight computer to begin final prelaunch checks
- 00:01:00	Propellant tank pressurization for flight
- 00:00:45	SpaceX Launch Director verifies go for launch
- 00:00:03	Engine controller commands engine ignition sequence to start
- 00:00:00	Falcon 9 liftoff

## LAUNCH, LANDING AND DEPLOYMENT

<b>Hr/Min/Sec</b>	<b>Event</b>
00:01:12	Max Q (moment of peak mechanical stress on the rocket)
00:02:27	1st stage main engine cutoff (MECO)
00:02:30	1st and 2nd stages separate
00:02:38	2nd stage engine starts
00:02:43	1st stage boostback burn begins
00:03:15	1st stage boostback burn complete
00:05:45	1st stage entry burn begins
00:05:59	1st stage entry burn completes
00:07:06	1st stage landing burn begins
00:07:33	1st stage landing
00:08:37	2nd stage engine cutoff (SECO)
00:11:49	Dragon separates from 2nd stage