



CRS-27 MISSION

MISSION OVERVIEW

SpaceX is targeting Tuesday, March 14 for Falcon 9's launch of Dragon's 27th Commercial Resupply Services (**CRS-27**) mission to the International Space Station from Launch Complex 39A (LC-39A) at NASA's Kennedy Space Center in Florida. The instantaneous launch window is at 8:30 p.m. ET (00:30 UTC on March 15) and a backup launch opportunity is available on Wednesday, March 15 at 8:08 p.m. ET (00:08 UTC on March 16).

WEBCAST

A live webcast of this mission will begin about 15 minutes prior to liftoff.

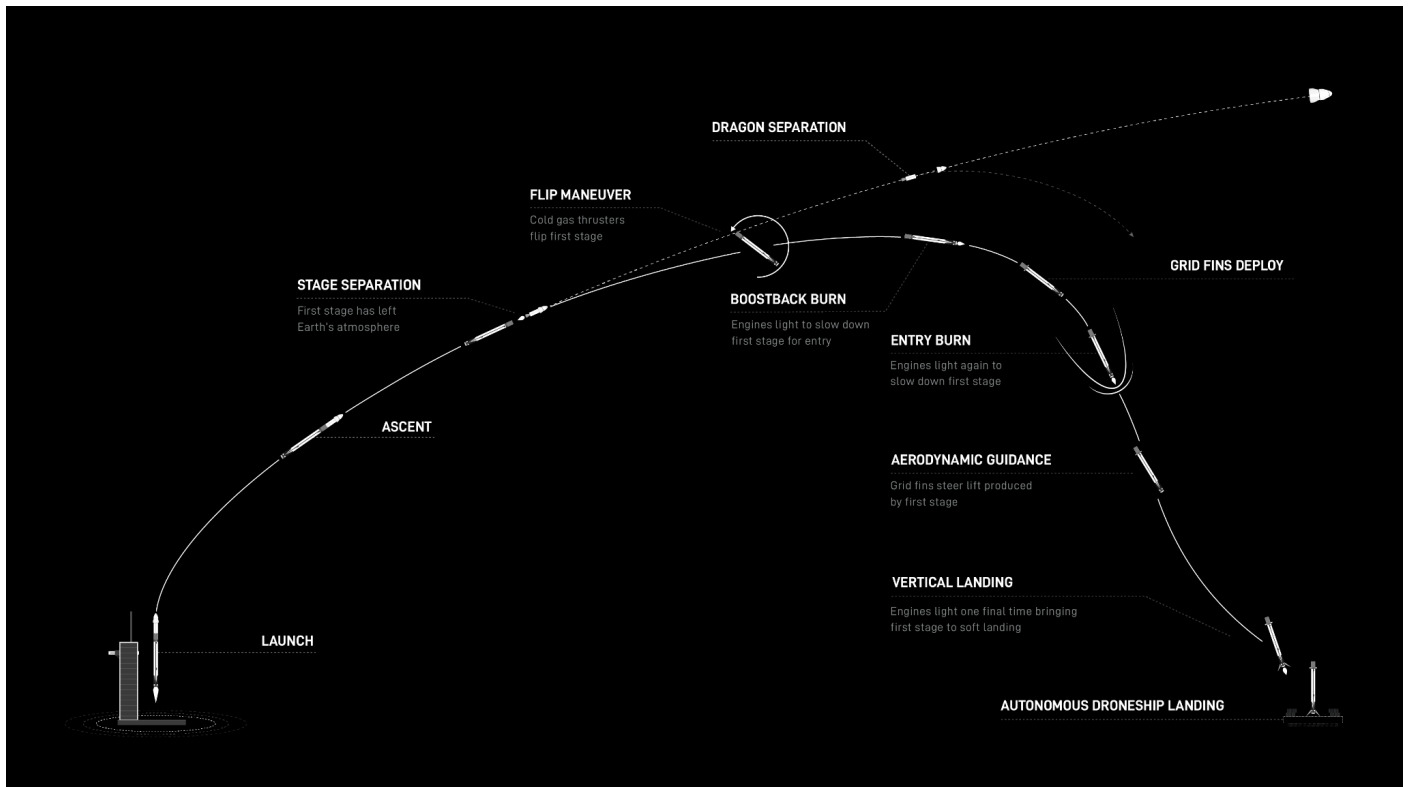
PHOTOS

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

This is the seventh flight of the first stage booster supporting this mission, which previously launched Hispasat Amazonas Nexus, SES-22, ispace's HAKUTO-R Mission 1, and three Starlink missions. Following stage separation, Falcon 9 will land on the A Shortfall of Gravitas droneship in the Atlantic Ocean. CRS-27 is the third flight for this Dragon spacecraft, which previously flew CRS-22 and CRS-24 to the space station.

Dragon will autonomously dock with the space station on Thursday, March 16 at approximately 7:52 a.m. ET (11:52 UTC).

MISSION PROFILE



MISSION TIMELINE (ALL TIMES APPROXIMATE)

COUNTDOWN

Hr/Min/Sec	Event
- 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 engine chill prior to launch
- 00:01:00	Command flight computer to begin final prelaunch checks
- 00:01:00	Propellant tank pressurization to flight pressure begins
- 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

Hr/Min/Sec	Event
00:01:12	Max Q (moment of peak mechanical stress on the rocket)
00:02:24	1st Stage Main Engine Cutoff (MECO)
00:02:28	1st and 2nd Stages Separate
00:02:35	2nd Stage Engine Starts
00:02:38	1st Stage Boostback Burn Begins
00:03:12	1st Stage Boostback Burn Complete
00:05:44	1st Stage Entry Burn Begins
00:06:01	1st Stage Entry Burn Ends
00:07:07	1st Stage Landing Burn Begins
00:07:36	1st Stage Landing
00:08:38	2nd Stage Engine Cutoff (SECO-1)
00:11:34	Dragon Separates from 2nd Stage
00:12:22	Dragon Nosecone Open Sequence Begins