

# STARLINK-29 MISSION



## MISSION OVERVIEW

SpaceX is targeting Wednesday, May 26 for the next Falcon 9 launch of 60 Starlink satellites from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Station in Florida. The instantaneous window is at 2:59 p.m. EDT, or 18:59 UTC, and a backup opportunity is available on Thursday, May 27 at 2:38 p.m. EDT, or 18:38 UTC.

Falcon 9's first stage booster previously supported the Sentinel-6A mission. Following stage separation, SpaceX will land Falcon 9's first stage on the "Just Read the Instructions" droneship, which will be located in the Atlantic Ocean. One half of Falcon 9's fairing previously supported four Starlink missions, and the other previously supported a Starlink mission and the Transporter-1 mission.

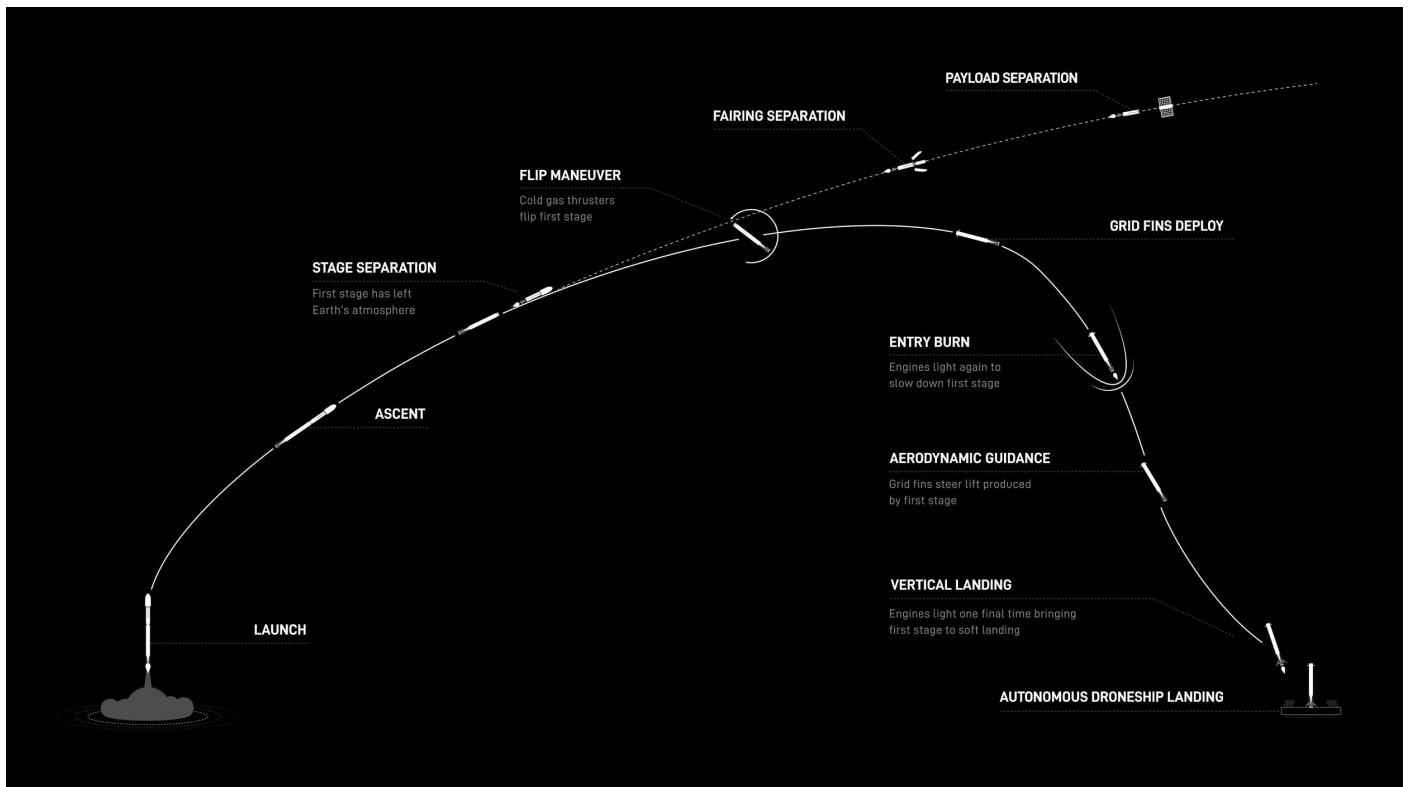
## WEBCAST

[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/).

## 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 underway
- 00:35:00	1st stage LOX (liquid oxygen) loading underway
- 00:16:00	2nd stage LOX loading underway
- 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

<b>Hr/Min/Sec</b>	<b>Event</b>
00:01:12	Max Q (moment of peak mechanical stress on the rocket)
00:02:32	1st stage main engine cutoff (MECO)
00:02:36	1st and 2nd stages separate
00:02:44	2nd stage engine starts
00:03:04	Fairing deployment
00:06:52	1st stage entry burn complete
00:08:34	1st stage landing
00:08:46	2nd stage engine cutoff (SECO-1)
00:45:30	2nd stage engine restarts
00:45:31	2nd stage engine cutoff (SECO-2)
01:03:48	Starlink satellites deploy