

# STARLINK-27 MISSION



## MISSION OVERVIEW

SpaceX is targeting Sunday, May 9 for 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 2:42 a.m. EDT, or 6:42 UTC, and a backup opportunity is available on Monday, May 10 at 2:21 a.m. EDT, or 6:21 UTC.

This will be the tenth flight of the Falcon 9 first stage rocket booster supporting this mission, which previously launched Crew Dragon's first demonstration mission to the International Space Station, the RADARSAT Constellation Mission, SXM-7, and six Starlink missions. 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. Both of Falcon 9's fairing halves previously flew on the GPS III Space Vehicle 04 mission.

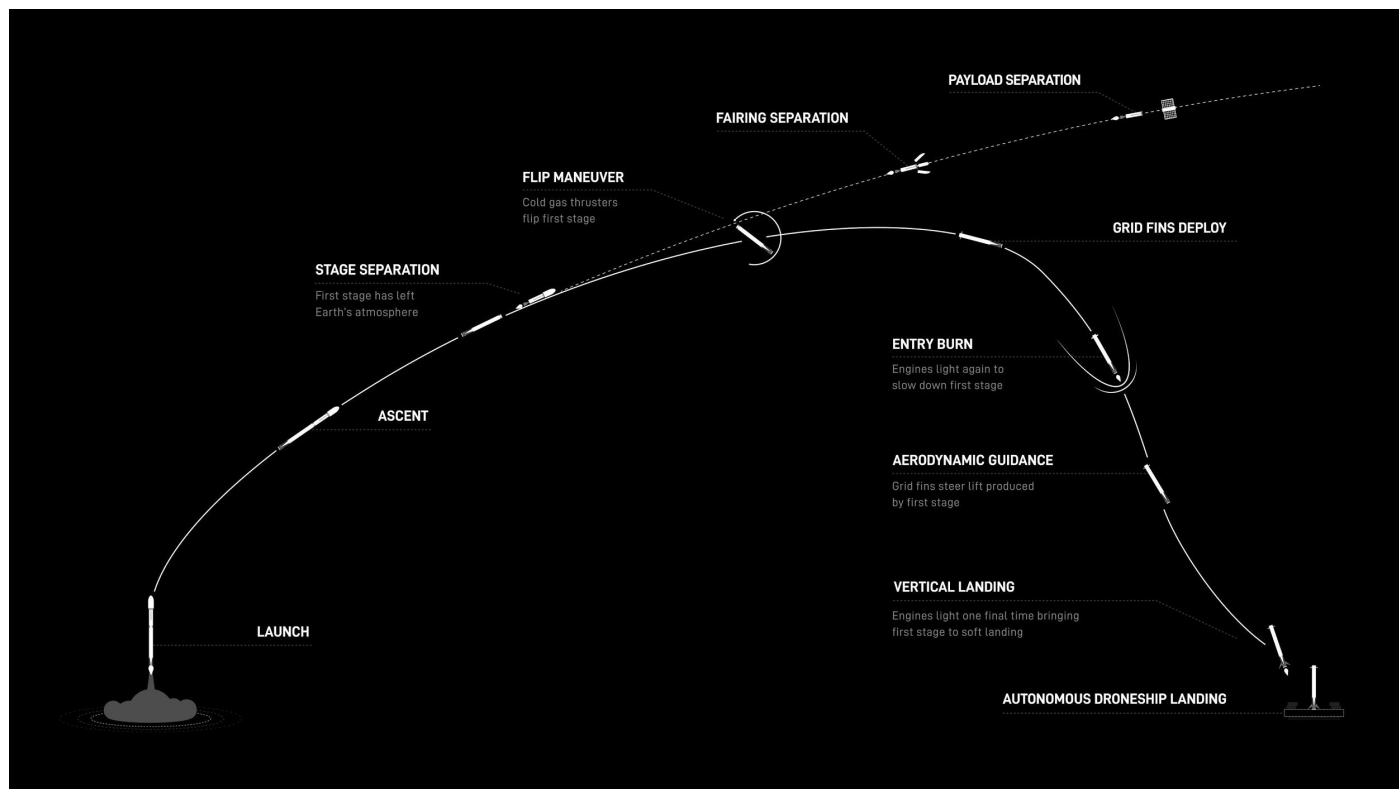
## WEBCAST

[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)
00:02:33	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
00:06:53	1st stage entry burn complete
00:08:35	1st stage landing
00:08:47	2nd stage engine cutoff (SECO-1)
00:45:33	2nd stage engine restarts
00:45:35	2nd stage engine cutoff (SECO-2)
01:03:51	Starlink satellites deploy