

# STARLINK GROUP 6-9 MISSION



## MISSION OVERVIEW

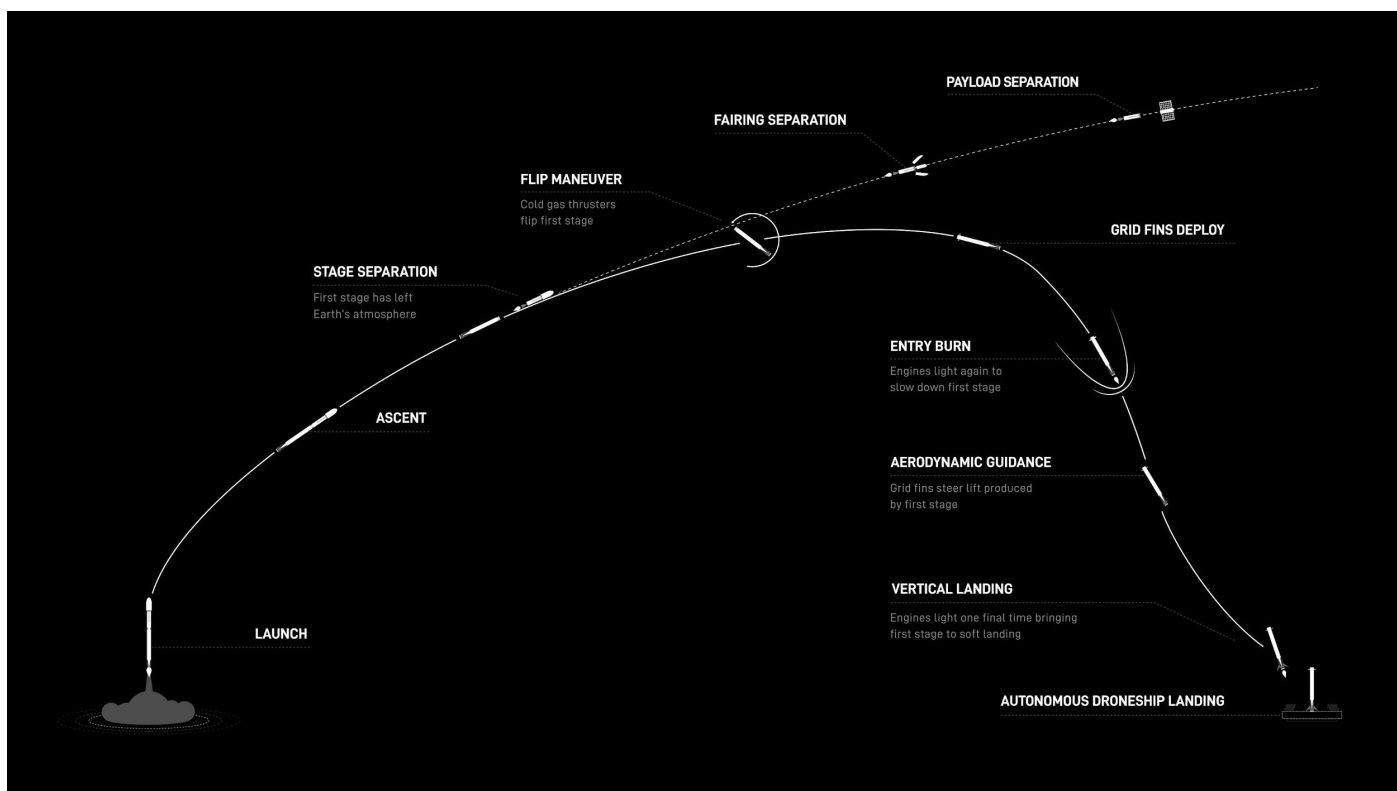
SpaceX is targeting Friday, August 11 at 12:27 a.m. ET (4:27 UTC) for a Falcon 9 launch of 22 **Starlink** satellites to low-Earth orbit from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Station in Florida. If needed, an additional launch opportunity is available at 1:17 a.m. ET (5:17 UTC). Five backup opportunities are also currently available on Friday, August 11 starting at 9:30 p.m. ET (1:30 UTC on August 12) until 12:52 a.m. ET on August 12 (4:52 UTC).

This is the ninth flight for the first stage booster supporting this mission, which previously launched CRS-24, Eutelsat HOTBIRD 13F, OneWeb 1, SES-18 and SES-19, and four Starlink missions. Following stage separation, the first stage will land on the Just Read the Instructions droneship, which will be stationed in the Atlantic Ocean.

## WEBCAST

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

## 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 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)
00:02:26	1st stage main engine cutoff (MECO)
00:02:30	1st and 2nd stages separate
00:02:36	2nd stage engine starts (SES-1)
00:02:57	Fairing deployment
00:06:10	1st stage entry burn begins
00:06:34	1st stage entry burn ends
00:08:07	1st stage landing burn begins
00:08:29	1st stage landing
00:08:39	2nd stage engine cutoff (SECO-1)
00:53:59	2nd stage engine starts (SES-2)
00:54:00	2nd stage engine cutoff (SECO-2)
01:05:08	Starlink satellites deploy