

STARLINK GROUP 6-15 MISSION



MISSION OVERVIEW

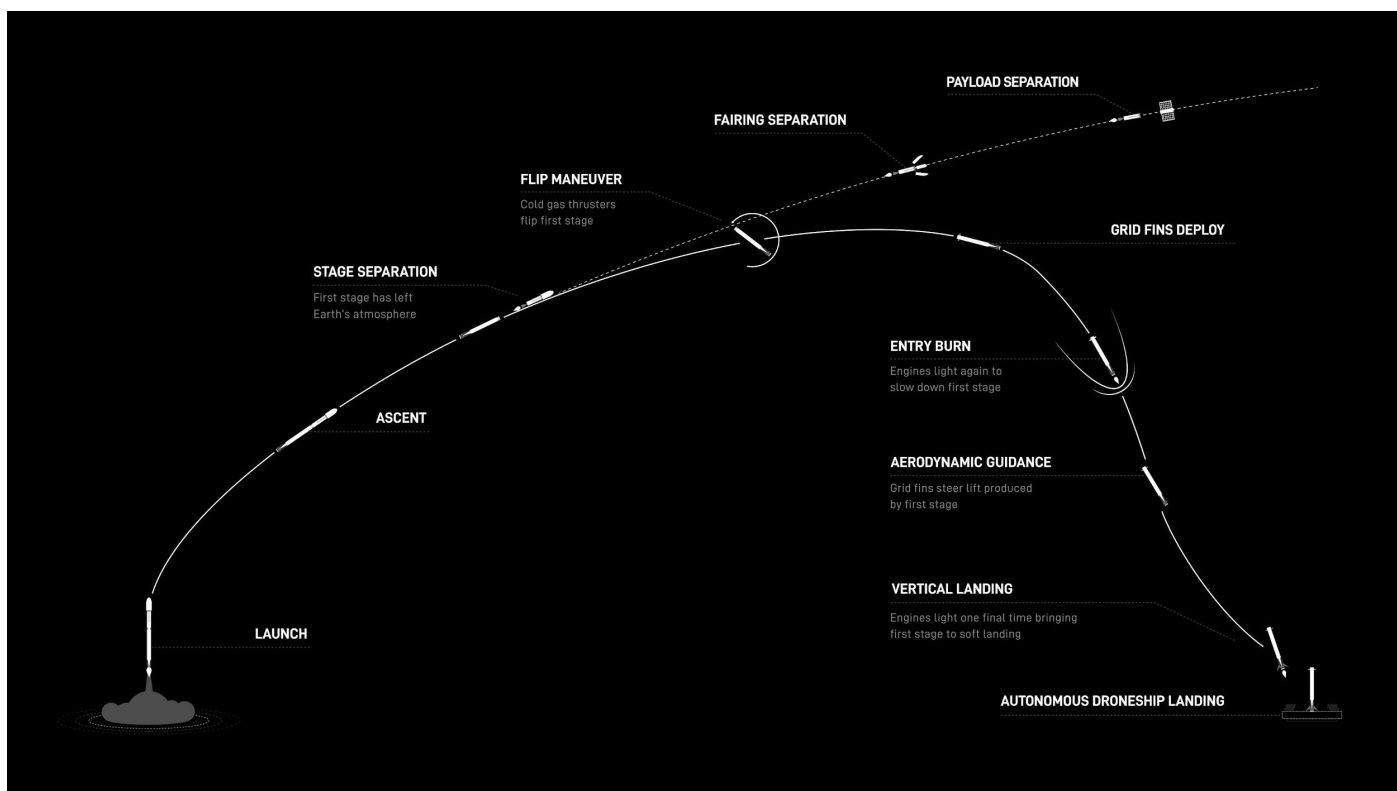
SpaceX is targeting Wednesday, July 19 at 9:09 p.m. PT (04:09 UTC on July 20) for a Falcon 9 launch of 15 **Starlink** satellites to low-Earth orbit from Space Launch Complex 4 East (SLC-4E) at Vandenberg Space Force Base in California. If needed, an additional launch opportunity is also available at 10:00 p.m. PT (05:00 UTC on July 20).

This is the 10th flight for the first stage booster supporting this mission, which previously launched NROL-87, NROL-85, SARah-1, SWOT, Transporter-8, and four Starlink missions. Following stage separation, the first stage will land on the Of Course I Still Love You droneship, which will be stationed in the Pacific Ocean.

WEBCAST

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

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)
00:02:26	1st stage main engine cutoff (MECO)
00:02:30	1st and 2nd stages separate
00:02:36	2nd stage engine starts (SES-1)
00:02:41	Fairing deployment
00:07:38	1st stage entry burn begins
00:08:01	1st stage entry burn ends
00:09:14	1st stage landing burn begins
00:08:36	1st stage landing
00:08:45	2nd stage engine cutoff (SECO-1)
00:14:51	Starlink satellites deploy