

STARLINK GROUP 6-8 MISSION



MISSION OVERVIEW

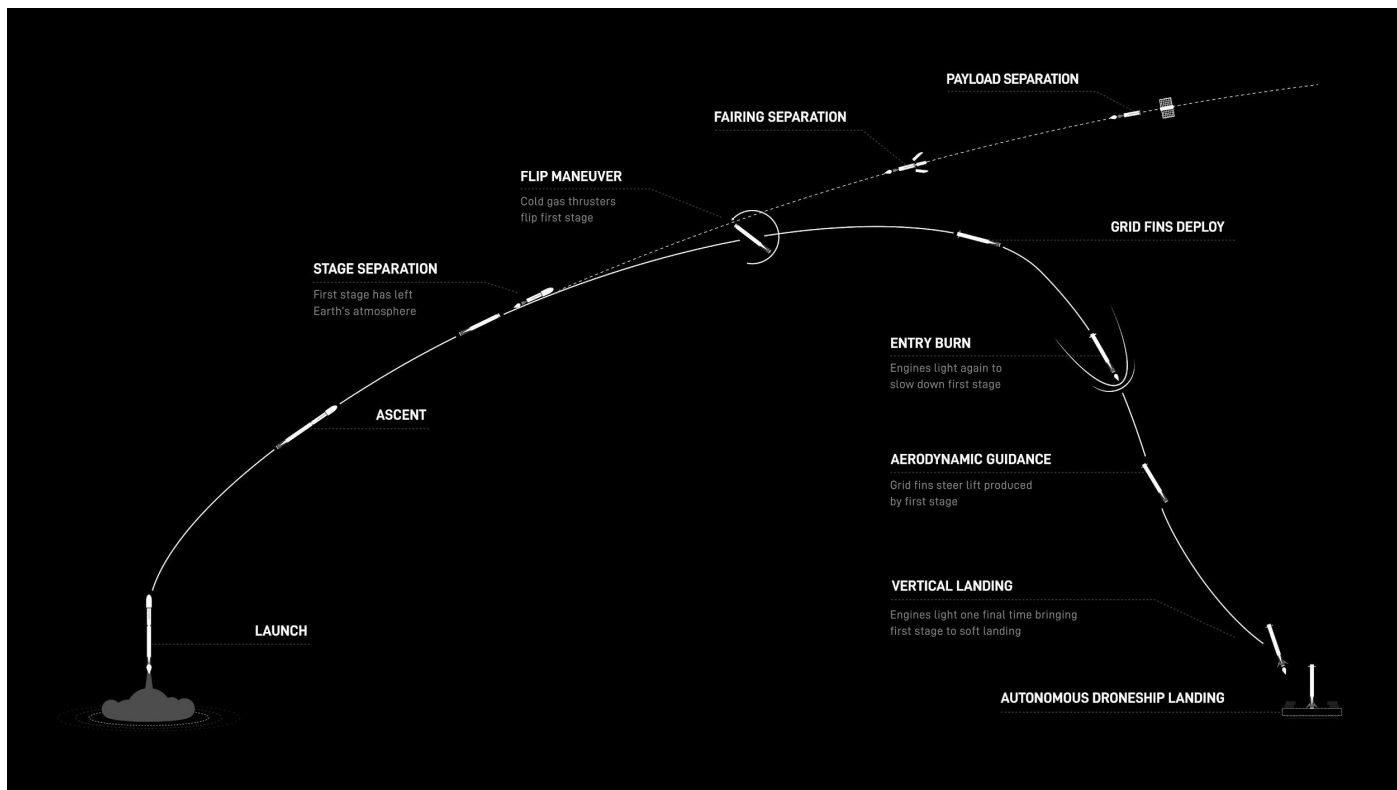
SpaceX is targeting Sunday, August 6 at 9:00 p.m. ET (01:00 UTC on August 7) for a Falcon 9 launch of 22 **Starlink** satellites to low-Earth orbit from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Base in Florida. If needed, there are up to four additional launch opportunities the same day starting at 9:50 p.m. ET (1:50 UTC) until 12:22 a.m. ET on August 7 (4:22 UTC). Up to five backup opportunities are also available on Monday, August 7 starting at 8:35 p.m. ET (00:35 UTC August 8) until 11:57 p.m. ET (3:57 UTC).

WEBCAST

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

This is the fourth flight for the first stage booster supporting this mission, which previously launched Crew-6, SES O3b mPOWER, and one Starlink mission. Following stage separation, the first stage will land on the A Shortfall of Gravitas droneship, which will be stationed in the Atlantic Ocean.

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)
00:02:30	1st stage main engine cutoff (MECO)
00:02:34	1st and 2nd stages separate
00:02:41	2nd stage engine starts (SES-1)
00:03:06	Fairing deployment
00:06:12	1st stage entry burn begins
00:06:29	1st stage entry burn ends
00:07:42	1st stage landing burn begins
00:07:56	1st stage landing
00:08:44	2nd stage engine cutoff (SECO-1)
00:54:04	2nd stage engine starts (SES-2)
00:54:05	2nd stage engine cutoff (SECO-2)
01:05:13	Starlink satellites deploy