

STARLINK GROUP 6-10 MISSION



MISSION OVERVIEW

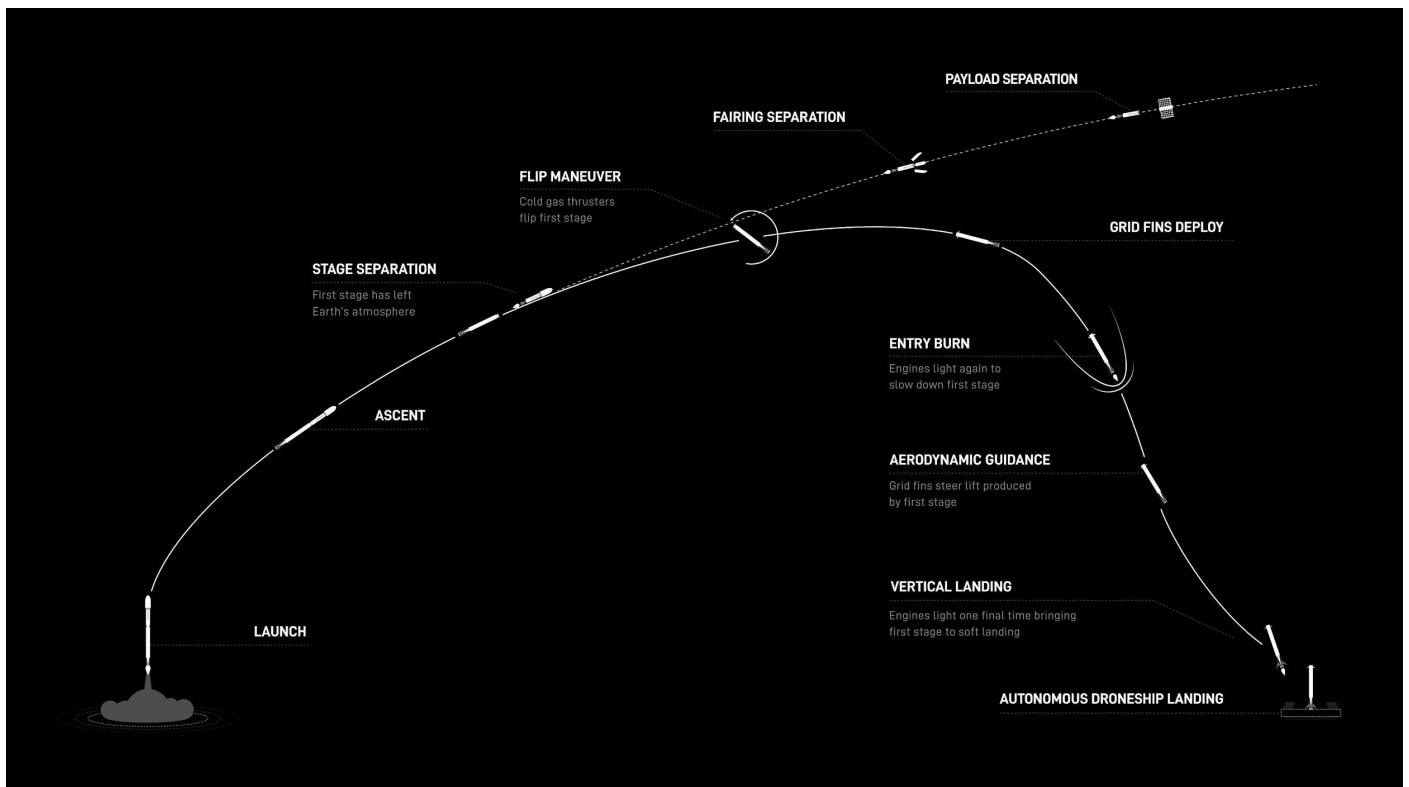
SpaceX is targeting Wednesday, August 16 at 8:14 p.m. ET (00:14 UTC on August 17) for a Falcon 9 launch of 22 **Starlink** satellites to low-Earth orbit from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Station in Florida. If needed, four additional opportunities are available starting at 9:07 p.m. ET (1:07 UTC on August 17) until 12:00 a.m. ET on August 17 (4:00 UTC). Four backup opportunities are also currently available on Thursday, August 17 starting at 7:49 p.m. ET (23:49 UTC) until 11:11 p.m. ET (3:11 UTC on August 18).

WEBCAST

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

This is the 13th flight for the first stage booster supporting this mission, which previously launched CRS-22, Crew-3, Turksat 5B, Crew-4, CRS-25, Eutelsat HOTBIRD 13G, mPOWER-a, PSN SATRIA, and four Starlink missions. 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)
00:02:26	1st stage main engine cutoff (MECO)
00:02:29	1st and 2nd stages separate
00:02:35	2nd stage engine starts (SES-1)
00:03:07	Fairing deployment
00:06:09	1st stage entry burn begins
00:06:32	1st stage entry burn ends
00:07:59	1st stage landing burn begins
00:08:27	1st stage landing
00:08:38	2nd stage engine cutoff (SECO-1)
00:53:57	2nd stage engine starts (SES-2)
00:54:00	2nd stage engine cutoff (SECO-2)
01:05:07	Starlink satellites deploy