

STARLINK GROUP 6-18 MISSION



MISSION OVERVIEW

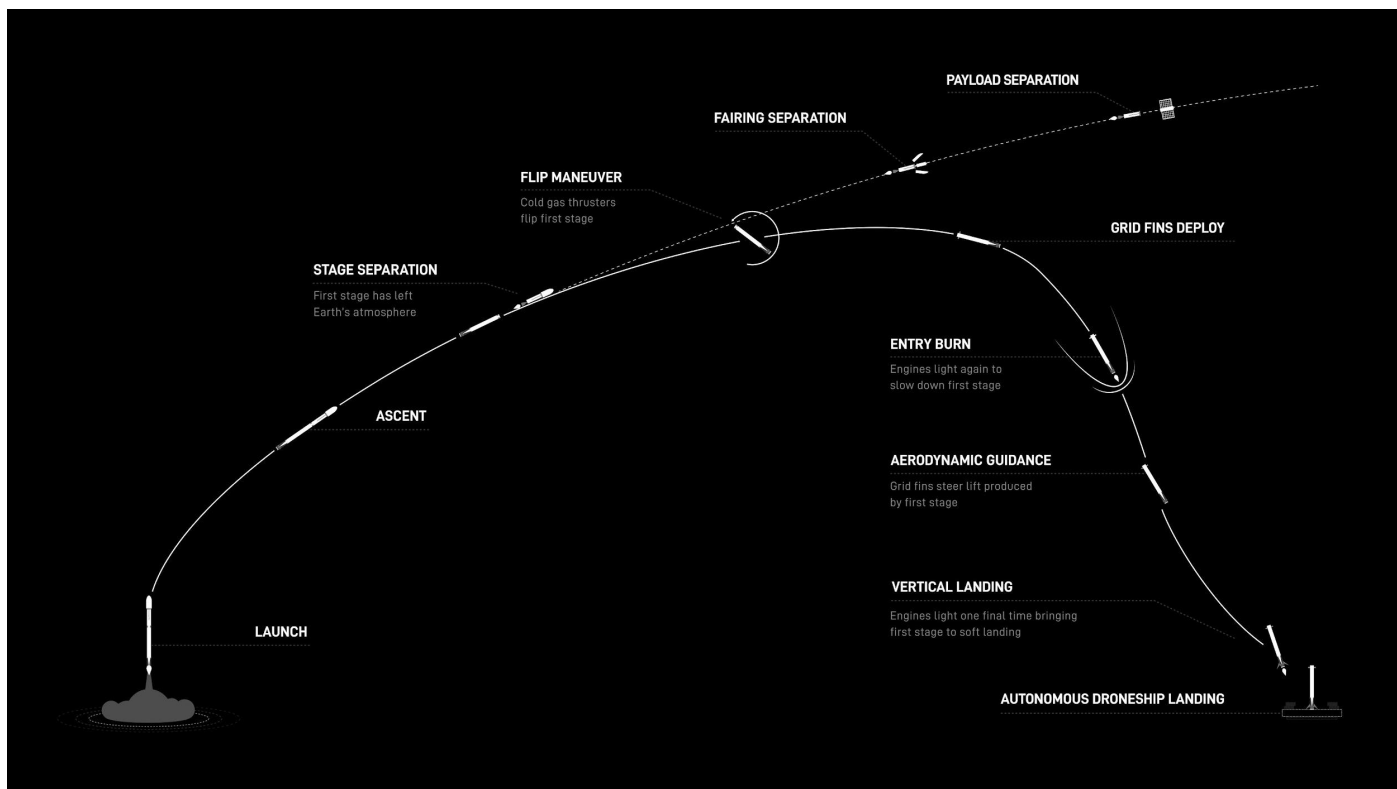
SpaceX is targeting Saturday, September 23 at 9:07 p.m. ET (01:07 UTC on September 24) for a Falcon 9 launch of 22 **Starlink** satellites to low-Earth orbit from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Station in Florida. If needed, three backup opportunities are available starting at 9:57 p.m. ET (01:57 UTC on September 24) until 12:05 a.m. ET (04:05 UTC) on Sunday, September 24. Four backup opportunities are also currently available on Sunday, September 24 starting at 8:41 p.m. ET (00:41 UTC on September 25) until 11:39 p.m. ET (03:39 UTC on September 25).

WEBCAST

A live webcast of this mission will begin on **X @SpaceX** about five minutes prior to liftoff.

This is the 17th flight for the first stage booster supporting this mission, which previously launched GPS III-3, Turksat 5A, Transporter-2, Intelsat G-33/G-34, Transporter-6, and 11 Starlink missions. Following stage separation, the first stage will land on the Just Read the Instructions dronship, 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)
00:02:25	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
00:06:07	1st stage entry burn begins
00:06:29	1st stage entry burn ends
00:08:05	1st stage landing burn begins
00:08:27	1st stage landing
00:08:39	2nd stage engine cutoff (SECO-1)
00:53:57	2nd stage engine starts (SES-2)
00:53:59	2nd stage engine cutoff (SECO-2)
01:05:06	Starlink satellites deploy