

STARLINK GROUP 6-17 MISSION



MISSION OVERVIEW

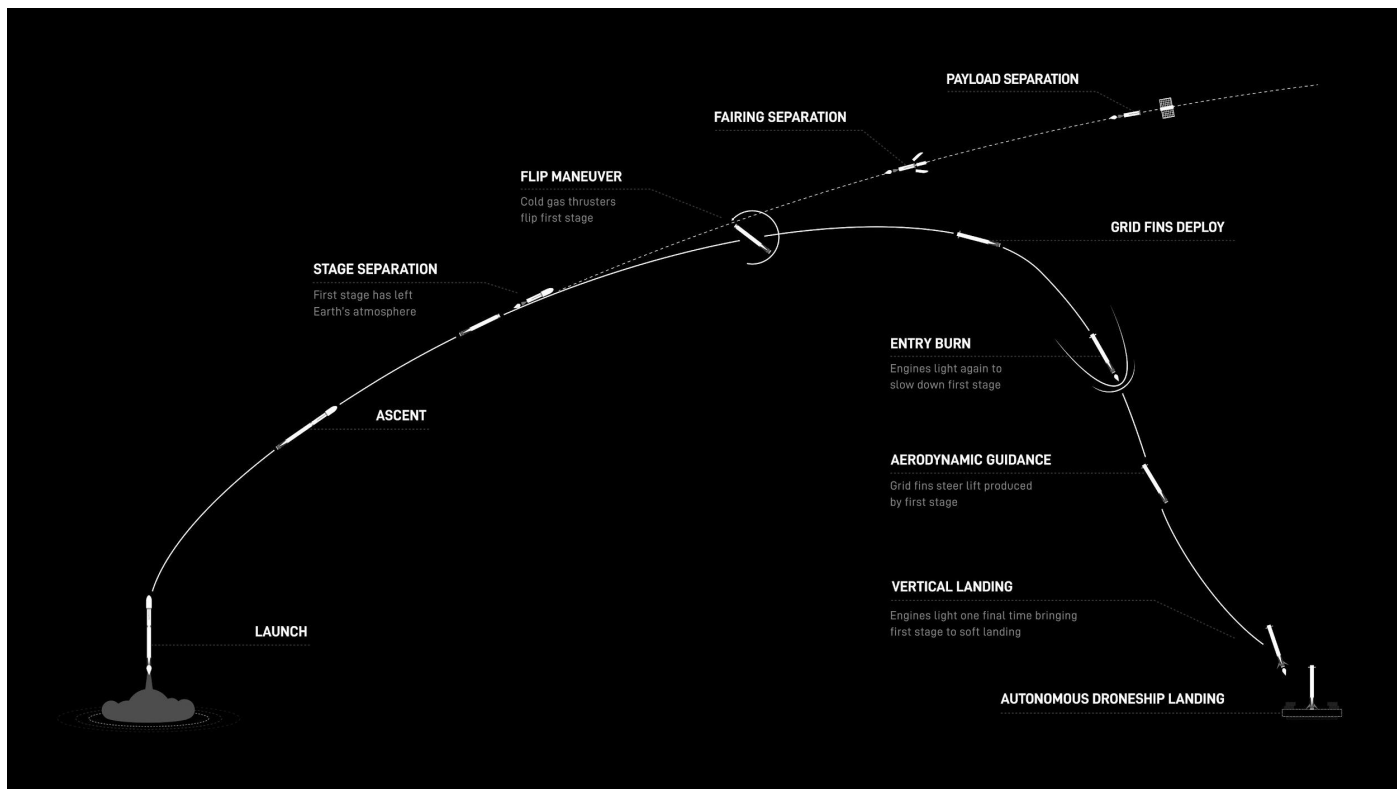
SpaceX is targeting Tuesday, September 19 at 10:47 p.m. ET (02:47 UTC on September 20) for a Falcon 9 launch of 22 **Starlink** satellites to low-Earth orbit from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Station in Florida. If needed, four backup opportunities are available between 11:38 p.m. ET (03:38 UTC on September 20) and 1:46 a.m. ET (05:46 UTC on September 20). Five backup opportunities are also currently available on Wednesday, September 20 starting at 10:22 p.m. ET (02:22 UTC on September 21) until 1:21 a.m. ET (05:21 UTC on September 21).

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, marking the first Falcon 9 booster to reach this milestone. It 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 A Shortfall of Gravitass, 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
00:02:36	2nd stage engine starts (SES-1)
00:03:03	Fairing deployment
00:06:10	1st stage entry burn begins
00:06:32	1st stage entry burn ends
00:08:06	1st stage landing burn begins
00:08:28	1st stage landing
00:08:39	2nd stage engine cutoff (SECO-1)
00:53:31	2nd stage engine starts (SES-2)
00:53:31	2nd stage engine cutoff (SECO-2)
01:02:25	Starlink satellites deploy