

STARLINK GROUP 5-7 MISSION



MISSION OVERVIEW

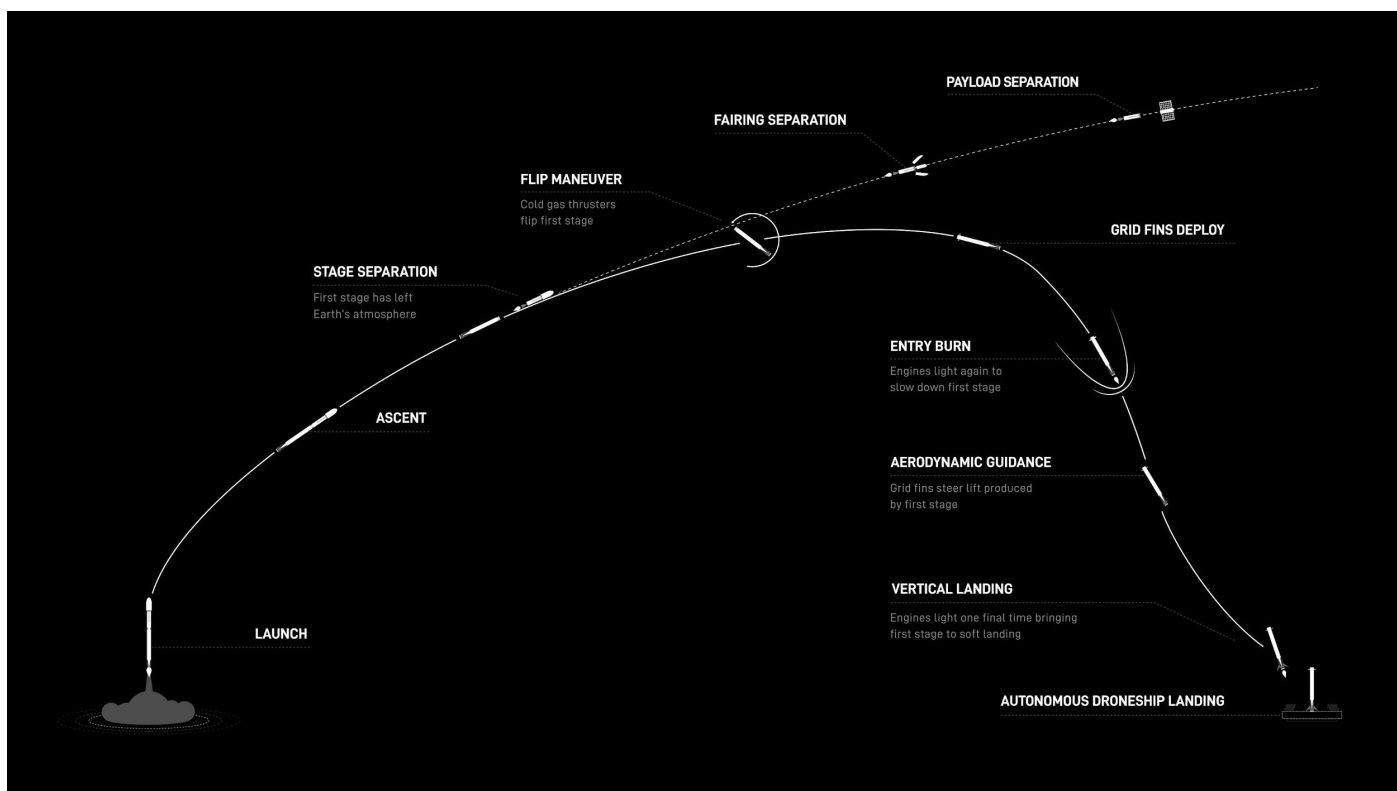
SpaceX is targeting Thursday, June 22 at 12:19 a.m. PT (07:19 UTC) for a Falcon 9 launch of 47 **Starlink** satellites to low-Earth orbit from Space Launch Complex 4 East (SLC-4E) at Vandenberg Space Force Base in California. If needed, a backup opportunity is available the same day at 11:53 p.m. PT (06:53 UTC on June 23).

The first stage booster supporting this mission previously launched Space Development Agency's Tranche 0 and two Starlink missions. Following stage separation, the first stage will land on the Of Course I Still Love You dronship 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)
00:02:30	1st stage main engine cutoff (MECO)
00:02:34	1st and 2nd stages separate
00:02:40	2nd stage engine starts (SES-1)
00:02:45	Fairing deployment
00:06:43	1st stage entry burn begins
00:07:03	1st stage entry burn ends
00:08:22	1st stage landing burn begins
00:08:41	2nd stage engine cutoff (SECO-1)
00:08:45	1st stage landing
00:18:47	Starlink satellites deploy