

STARLINK GROUP 7-3 MISSION



MISSION OVERVIEW

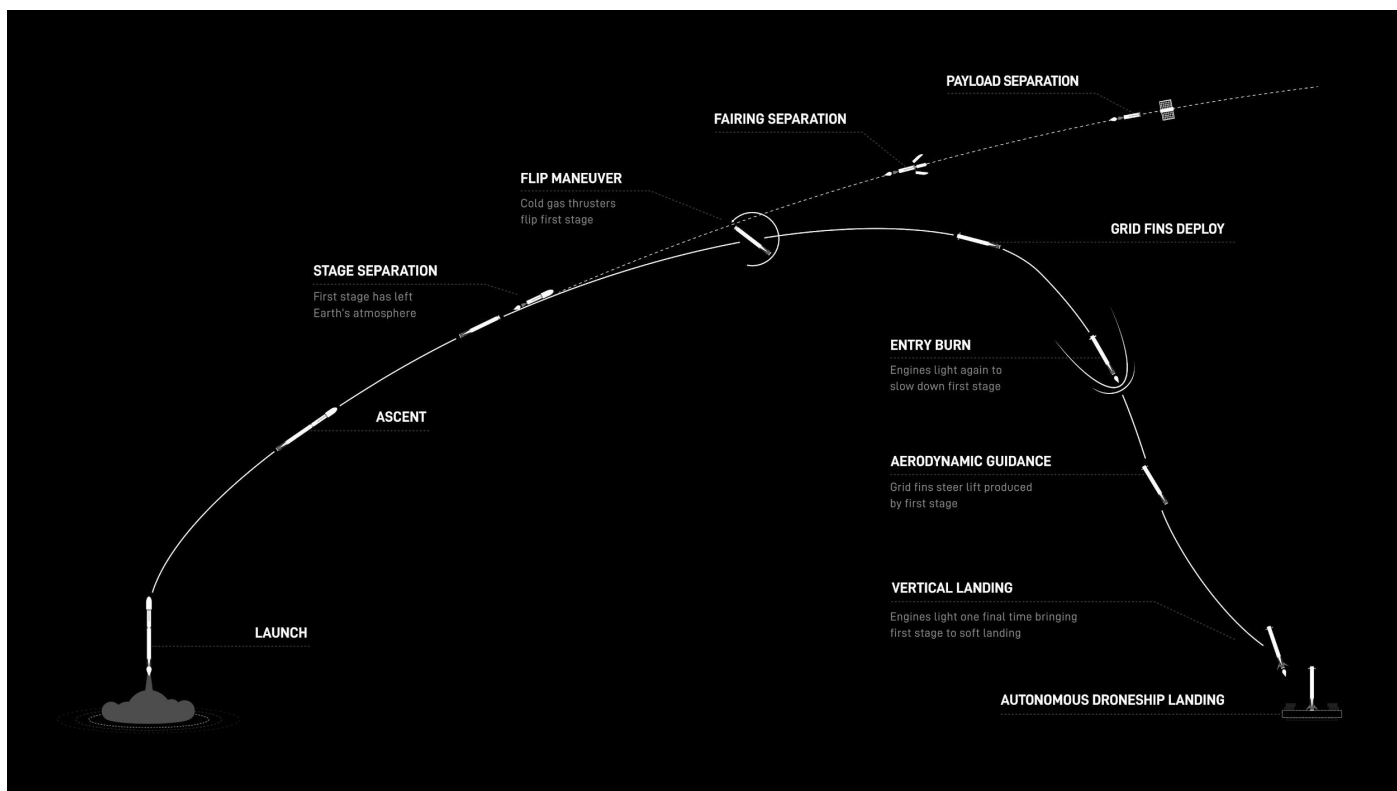
SpaceX is targeting Monday, September 25 at 12:23 a.m. PT (07:23 UTC) for a Falcon 9 launch of 21 **Starlink** satellites to low-Earth orbit from Space Launch Complex 4 East (SLC-4E) at Vandenberg Space Force Base in California. If needed, five backup opportunities are available starting at 1:48 a.m. PT (08:48 UTC) until 4:04 a.m. PT (11:04 UTC). Six backup opportunities are also currently available starting on Monday, September 25 at 11:59 p.m. PT (06:59 UTC) on September 26) until 3:42 a.m. PT (10:42 UTC) on September 26.

WEBCAST

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

This is the sixth flight for the first stage booster supporting this mission, which previously launched SDA-0A and four Starlink missions. Following stage separation, the first stage will land on the Of Course I Still Love You dronship, which will be stationed in the Pacific 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)
00:03:01	Fairing deployment
00:06:18	1st stage entry burn begins
00:06:39	1st stage entry burn ends
00:08:03	1st stage landing burn begins
00:08:26	1st stage landing
00:08:38	2nd stage engine cutoff (SECO-1)
00:53:35	2nd stage engine starts (SES-2)
00:53:36	2nd stage engine cutoff (SECO-2)
01:02:29	Starlink satellites deploy