

STARLINK GROUP 6-20 MISSION



MISSION OVERVIEW

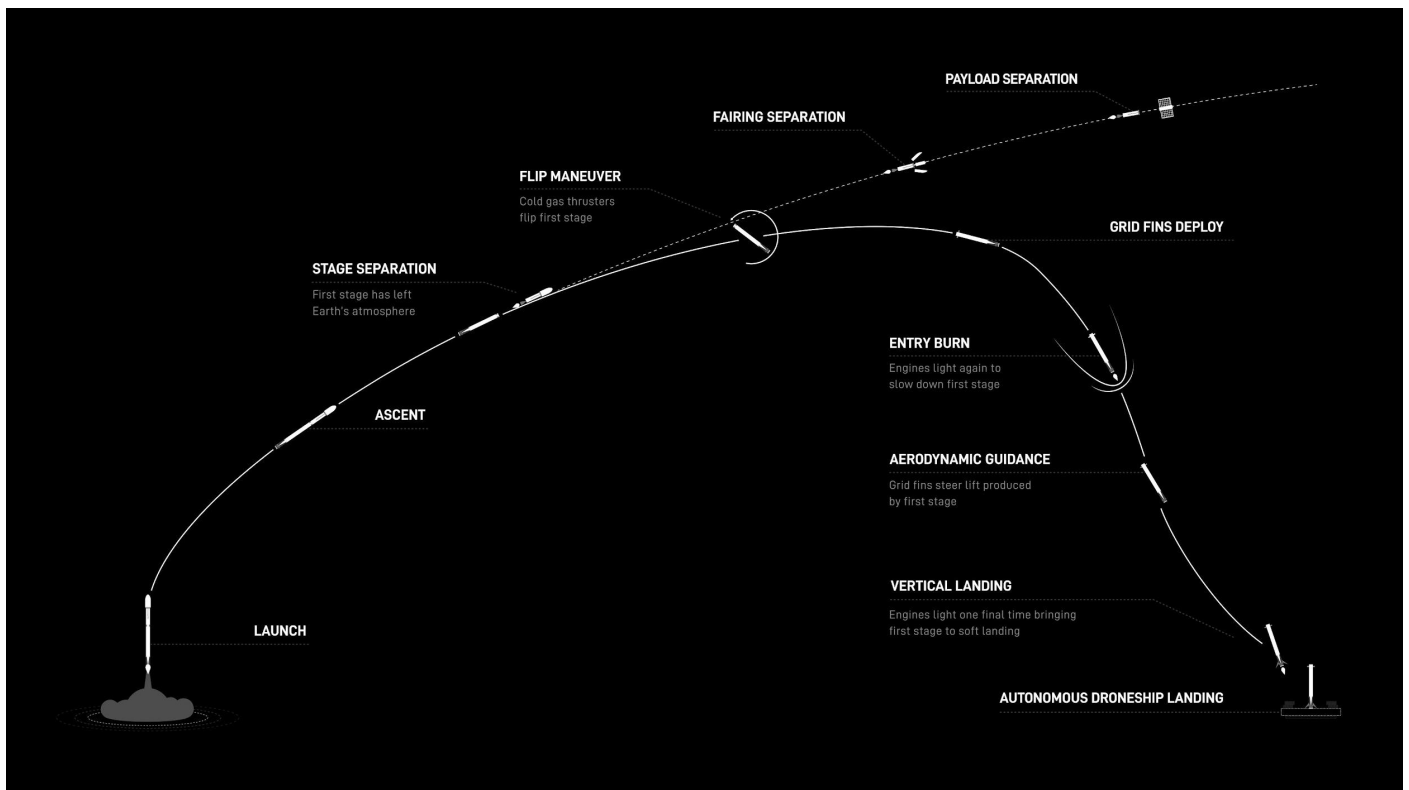
SpaceX is targeting Monday, August 7 at 8:57 p.m. PT (03:57 UTC on August 8) for a Falcon 9 launch of 15 **Starlink** satellites to low-Earth orbit from Space Launch Complex 4 East (SLC-4E) at Vandenberg Space Force Base in California. If needed, additional launch opportunities are available at 10:38 p.m. PT (05:38 UTC on August 8) and 11:28 p.m. PT (06:28 UTC on August 8). Four backup opportunities are also currently available on Tuesday, August 8 starting at 8:32 p.m. PT (03:32 UTC on August 9) until 11:54 p.m. PT (06:54 UTC on August 9).

WEBCAST

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

This is the fifth flight for the first stage booster supporting this mission, which previously launched SDA-0A and three 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)
00:02:25	1st stage main engine cutoff (MECO)
00:02:29	1st and 2nd stages separate
00:02:34	2nd stage engine starts (SES-1)
00:02:40	Fairing deployment
00:07:36	1st stage entry burn begins
00:08:00	1st stage entry burn ends
00:08:43	2nd stage engine cutoff (SECO-1)
00:09:09	1st stage landing burn begins
00:09:33	1st stage landing
00:14:36	Starlink satellites deploy