

STARLINK-30 MISSION



MISSION OVERVIEW

SpaceX is targeting Monday, September 13 for a Falcon 9 launch of 51 **Starlink** satellites from Space Launch Complex 4E (SLC-4E) at Vandenberg Space Force Base in California. The instantaneous window is at 8:55 p.m. PDT, or September 14 at 3:55 UTC, and a backup opportunity is available on Tuesday, September 14 at 8:56 p.m. PDT, or September 15 at 3:56 UTC.

The booster supporting this mission previously launched Telstar 18 VANTAGE, Iridium-8, and seven Starlink missions. Following stage separation, SpaceX will land Falcon 9's first stage on the "Of Course I Still Love You" dronship, which will be stationed in the Pacific Ocean. One half of Falcon 9's fairing halves previously supported NROL-108 and the other previously flew on GPS III-3 and Turksat-5A.

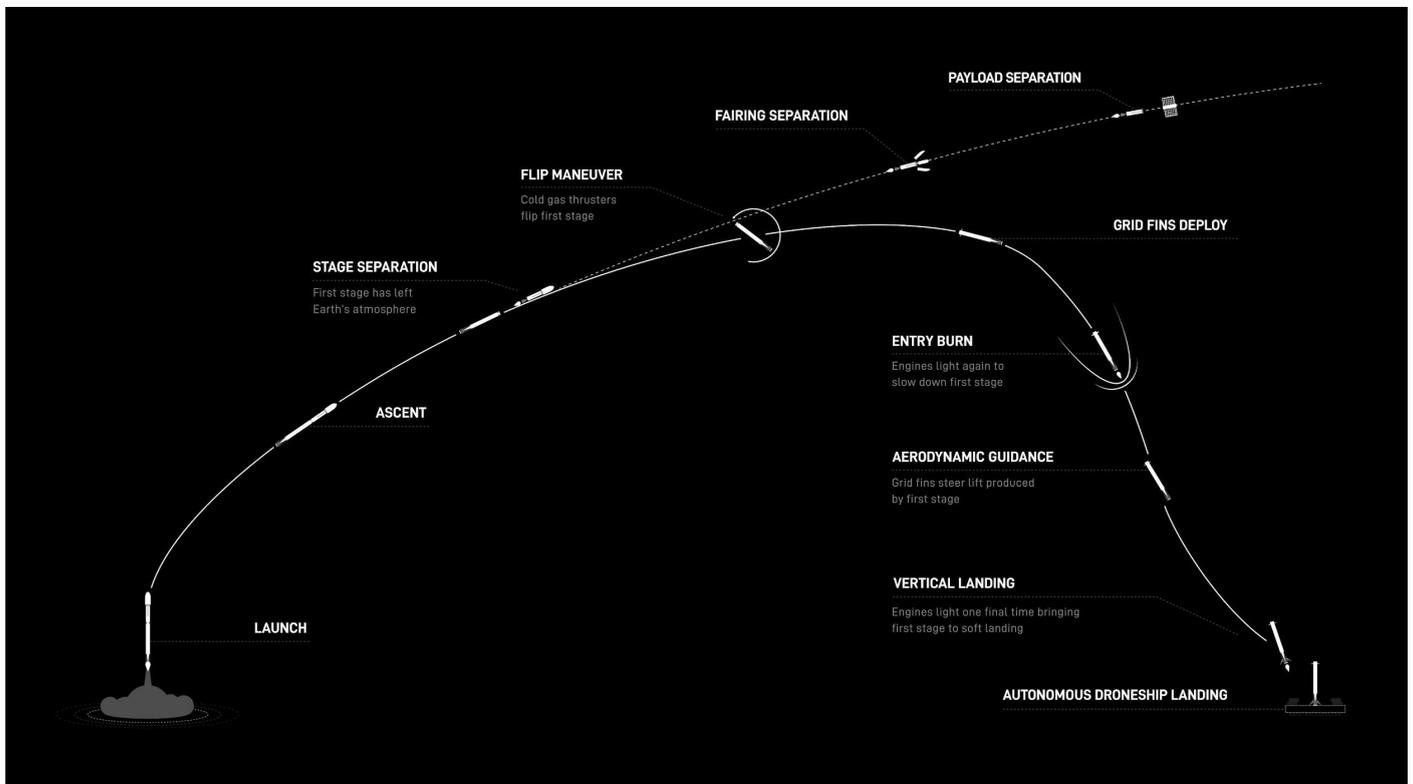
WEBCAST

[A live webcast of this mission](#) will begin about 15 minutes prior to liftoff.

PHOTOS

High-resolution photos will be posted at [flickr.com/spacex](https://www.flickr.com/photos/spacex/).

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 underway
- 00:35:00	1st stage LOX (liquid oxygen) loading underway
- 00:16:00	2nd stage LOX loading underway
- 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)
00:02:32	1st stage main engine cutoff (MECO)
00:02:35	1st and 2nd stages separate
00:02:43	2nd stage engine starts
00:02:59	Fairing deployment
00:06:46	1st stage entry burn start
00:07:07	1st stage entry burn complete
00:08:24	1st stage landing burn start
00:08:46	1st stage landing burn complete
00:08:51	2nd stage engine cutoff (SECO-1)
00:15:32	Starlink satellites deploy