

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.

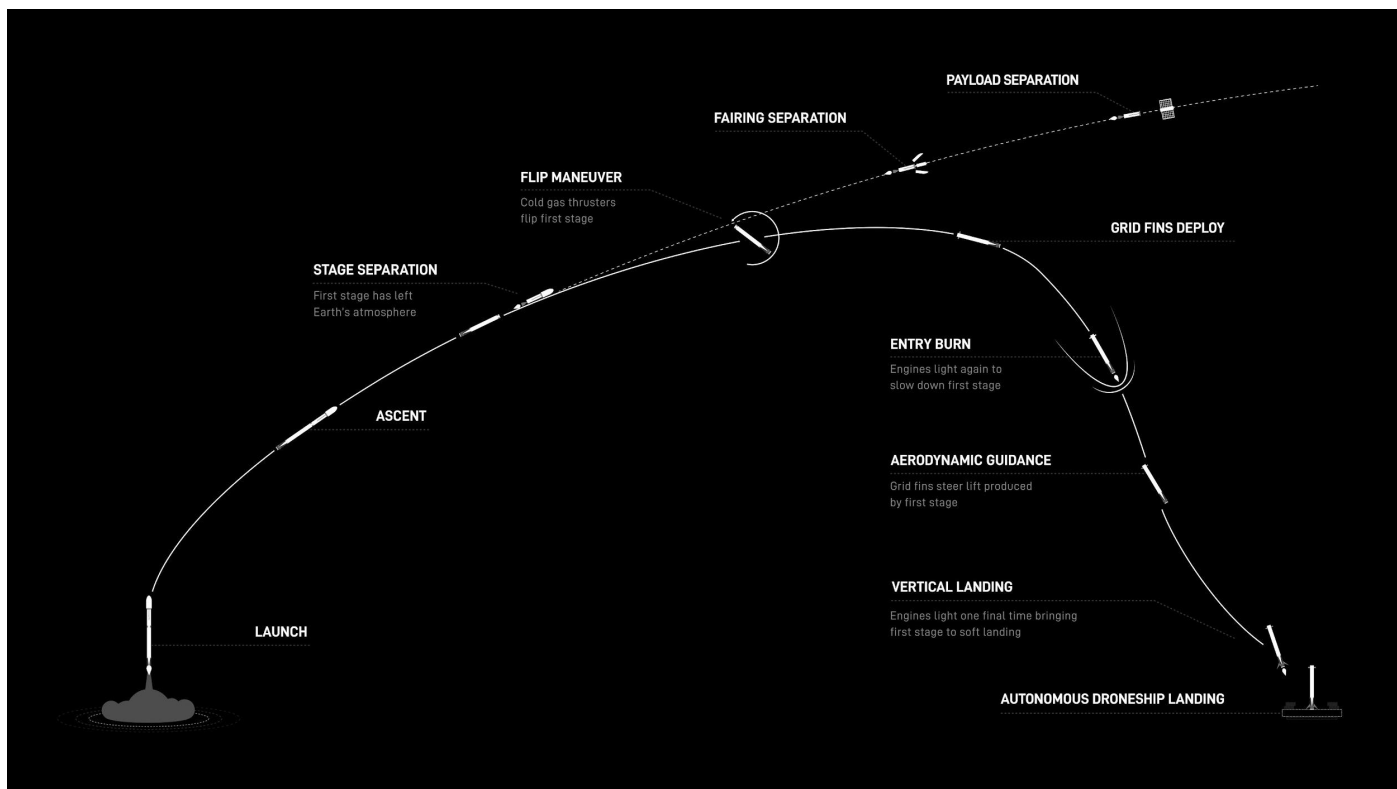
WEBCAST

[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 |