

STARLINK GROUP 2-8 MISSION



MISSION OVERVIEW

SpaceX is targeting Friday, March 17 at 12:26 p.m. PT (19:26 UTC) for a Falcon 9 launch of 52 **Starlink** satellites to low-Earth orbit from Space Launch Complex 4 East (SLC-4E) at Vandenberg Space Force Base in California. If needed, there is an additional launch opportunity the same day at 4:24 p.m. PT (23:24 UTC). Backup opportunities are also available on Saturday, March 18 at 12:12 p.m. PT (19:12 UTC) and 4:10 p.m. PT (23:10 UTC).

The first stage booster supporting this mission previously launched NROL-87, NROL-85, SARah-1, SWOT, and three Starlink missions. Following stage separation, Falcon 9's first stage will land on the Of Course I Still Love You droneship stationed in the Pacific Ocean.

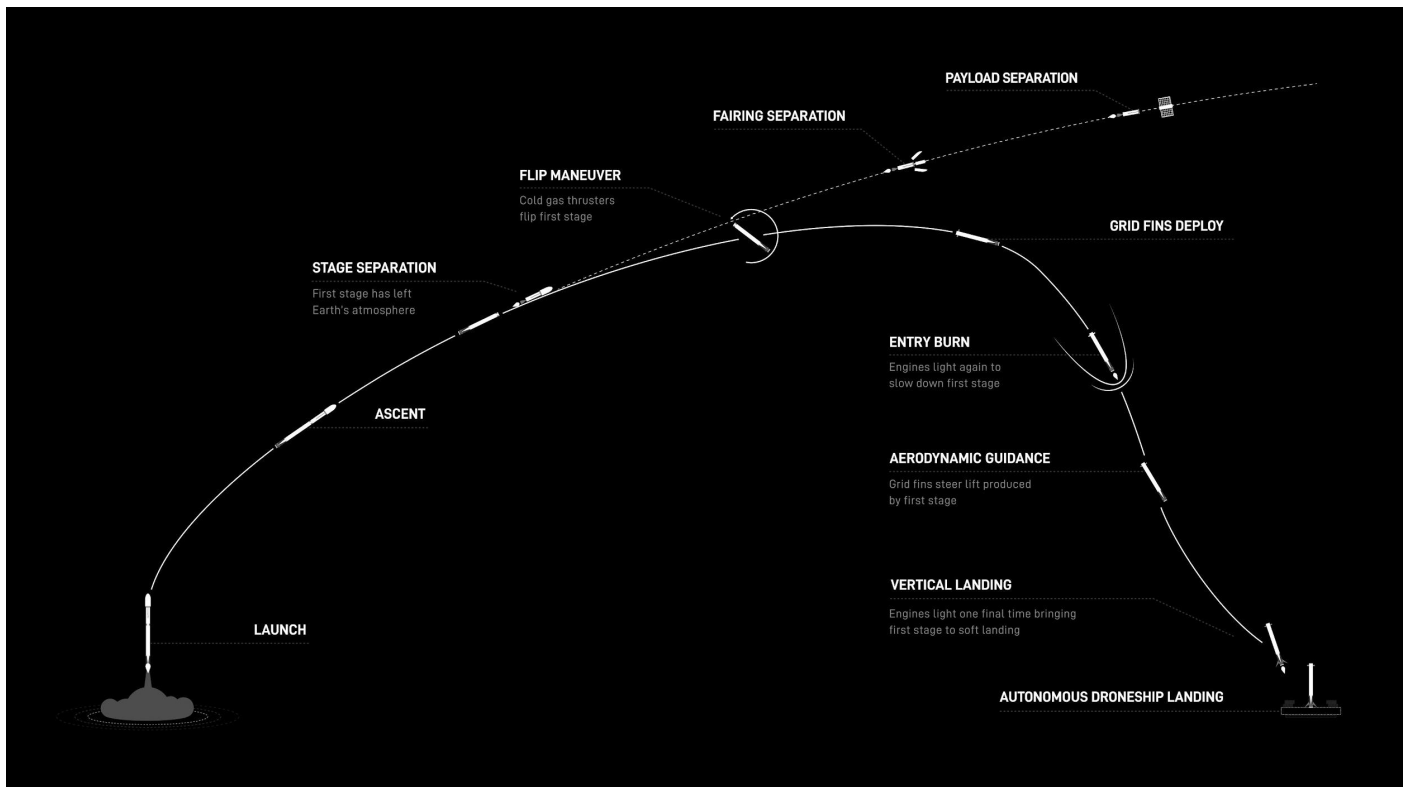
WEBCAST

A live webcast of this mission will begin about five 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 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)
00:02:27	1st stage main engine cutoff (MECO)
00:02:31	1st and 2nd stages separate
00:02:37	2nd stage engine starts (SES-1)
00:02:42	Fairing deployment
00:06:43	1st stage entry burn begins
00:07:01	1st stage entry burn ends
00:08:26	1st stage landing burn begins
00:08:43	2nd stage engine cutoff (SECO-1)
00:08:47	1st stage landing
00:15:24	Starlink satellites deploy