

STARLINK GROUP 2-5 MISSION

MISSION OVERVIEW

SpaceX is targeting Friday, February 17 at 11:12 a.m. PT (19:12 UTC) for a Falcon 9 launch of 51 **Starlink** satellites to low-Earth orbit from Space Launch Complex 4 East (SLC-4E) at Vandenberg Space Force Base in California. If needed, a backup opportunity is available on Saturday, February 18 at 10:58 a.m. PT (18:58 UTC).

The first stage booster supporting this mission previously launched Sentinel-6 Michael Freilich, DART, and six 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.

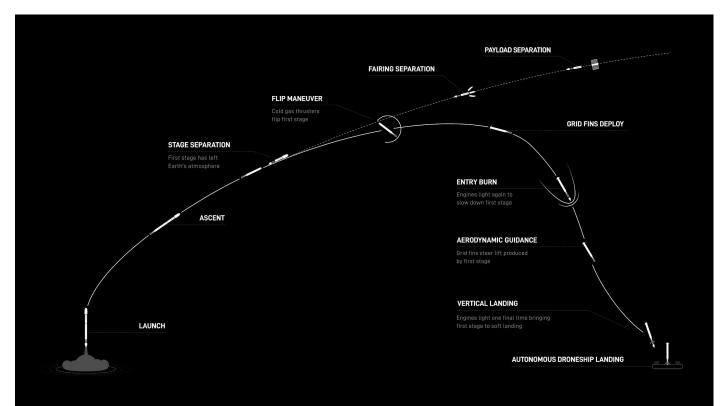
WEBCAST

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**.

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
00:02:38	2nd stage engine starts (SES-1)
00:02:42	Fairing deployment
00:06:42	1st stage entry burn begins
00:07:01	1st stage entry burn ends
00:08:21	1st stage landing burn begins
00:08:41	2nd stage engine cutoff (SECO-1)
00:08:43	1st stage landing
00:15:22	Starlink satellites deploy