

# 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 dronship 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

<b>Hr/Min/Sec</b>	<b>Event</b>
- 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

<b>Hr/Min/Sec</b>	<b>Event</b>
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