

# STARLINK GROUP 3-5 MISSION



## MISSION OVERVIEW

SpaceX is targeting Thursday, April 27 at 6:40 a.m. PT (13:40 UTC) for a Falcon 9 launch of 46 **Starlink** satellites to low-Earth orbit from Space Launch Complex 4 East (SLC-4E) at Vandenberg Space Force Base in California.

The first stage booster supporting this mission previously launched Crew-1, Crew-2, SXM-8, CRS-23, IXPE, Transporter-4, Transporter-5, Globalstar FM15, ISI EROS C-3, 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

<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)
00:02:30	1st and 2nd stages separate
00:02:36	2nd stage engine starts (SES-1)
00:02:47	Fairing deployment
00:06:13	1st stage entry burn begins
00:06:32	1st stage entry burn ends
00:08:01	1st stage landing burn begins
00:08:24	1st stage landing
00:08:38	2nd stage engine cutoff (SECO-1)
00:52:44	2nd stage engine starts (SES-2)
00:52:46	2nd stage engine cutoff (SECO-2)
00:59:53	Starlink satellites deploy