

# STARLINK-20 MISSION



## MISSION OVERVIEW

SpaceX is targeting 3:24 a.m. EST on Thursday, March 4 for launch of 60 [Starlink](#) satellites from Launch Complex 39A (LC-39A) at Kennedy Space Center in Florida. If needed, there are backup opportunities available at 5:42 a.m. EST on Thursday, March 4, as well as 3:03 a.m. EST and 5:21 a.m. EST on Friday, March 5.

## WEBCAST

You can watch a live webcast of this mission, which will begin about 15 minutes prior to liftoff, by clicking [here](#).

## PHOTOS

High-resolution photos will be posted at [flickr.com/spacex](#).

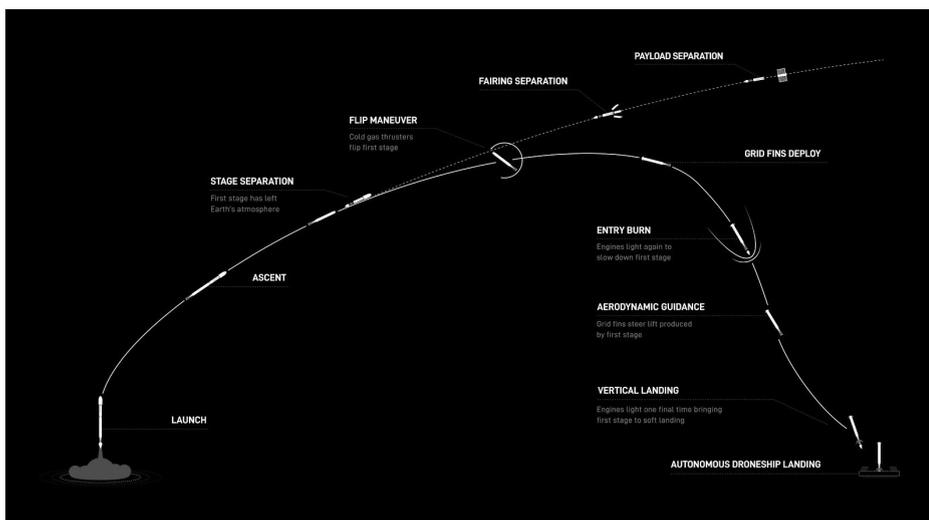
The Falcon 9 first stage rocket booster supporting this mission previously flew on seven missions: the Iridium-8 mission, the Telstar 18 VANTAGE mission, and five Starlink missions. Following stage separation, SpaceX will land Falcon 9's first stage on the "Of Course I Still Love You" droneship, which will be located in the Atlantic Ocean. One half of Falcon 9's fairing previously flew on three Starlink missions, and the other half previously supported two Starlink missions.

Unbounded by traditional ground infrastructure, Starlink can deliver high-speed broadband internet to locations where access has been unreliable or completely unavailable. At a time when more people are working from home and more students are participating in virtual learning, internet connectivity is more important than ever. With Starlink, we are able to deploy quickly to areas that need it most.

In December, the Wise County Public School District in rural Virginia, where approximately 40% of teachers and students do not have internet access at home, [announced](#) it would provide some families in the area with Starlink to support remote learning. Starlink units were deployed in January and over 40 homes are now connected with high-speed internet.

If you're interested in service, we recently started taking orders on a first-come, first-served basis. To reserve your spot in line, head over to [starlink.com](#) for more information.

## 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 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

<b>Hr/Min/Sec</b>	<b>Event</b>
00:01:12	Max Q (moment of peak mechanical stress on the rocket)
00:02:31	1st stage main engine cutoff (MECO)
00:02:35	1st and 2nd stages separate
00:02:43	2nd stage engine starts
00:03:06	Fairing deployment
00:06:43	1st stage entry burn complete
00:08:28	1st stage landing
00:08:46	2nd stage engine cutoff (SECO-1)
00:45:42	2nd stage engine restarts
00:45:43	2nd stage engine cutoff (SECO-2)
01:04:39	Starlink satellites deploy