

STARLINK-21 MISSION



MISSION OVERVIEW

SpaceX is targeting Thursday, March 11 for launch of 60 [Starlink](#) satellites from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Station in Florida. The instantaneous window is at 3:13 a.m. EST or 8:13 UTC.

The Falcon 9 first stage rocket booster supporting this mission previously supported launch of NASA astronauts Bob Behnken and Doug Hurley to the International Space Station, ANASIS-II, CRS-21, Transporter-1, and a Starlink mission. Following stage separation, SpaceX will land Falcon 9's first stage on the "Just Read the Instructions" droneship, which will be located in the Atlantic Ocean. One half of Falcon 9's fairing previously flew on the ANASIS-II and SXM-7 missions, and the other half previously supported launch of Sentinel-6A.

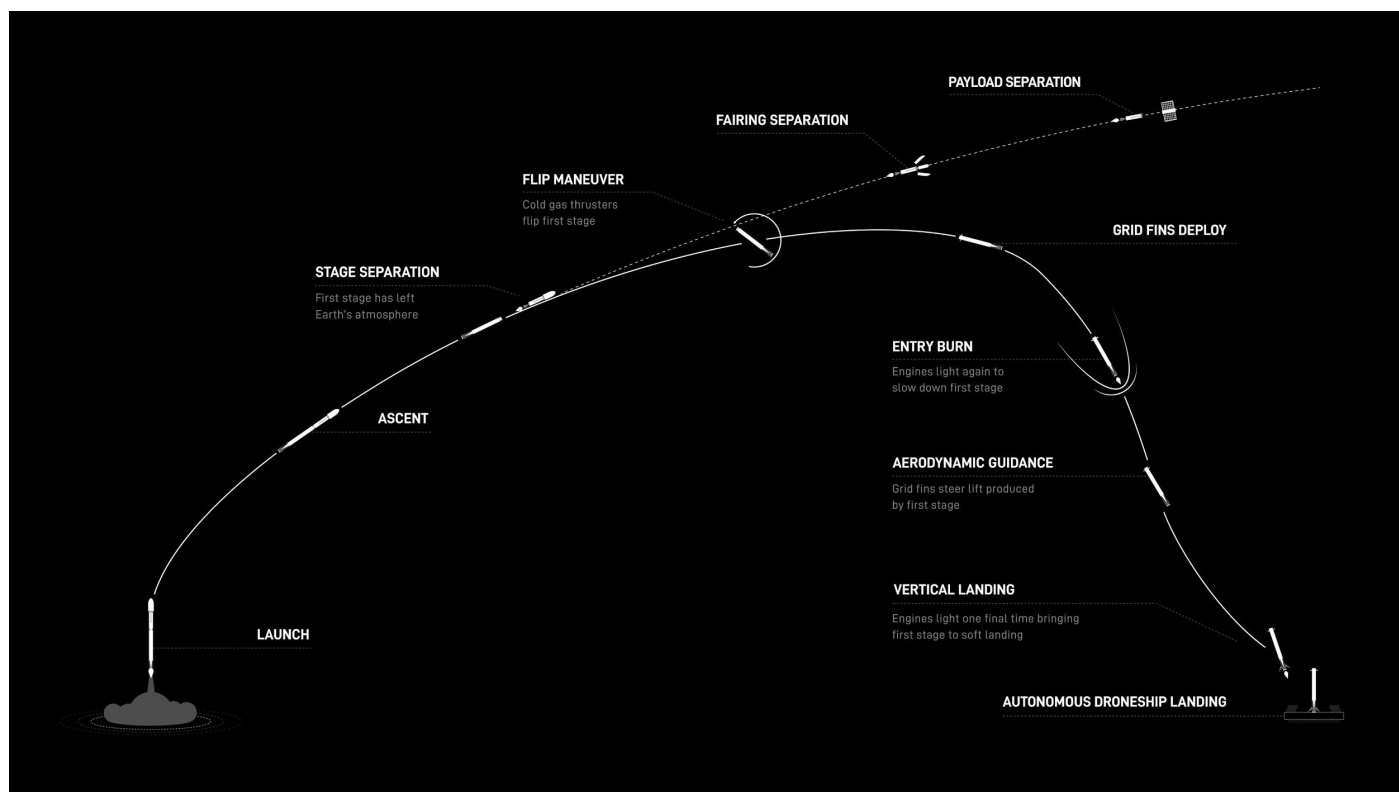
WEBCAST

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](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 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

Hr/Min/Sec	Event
00:01:12	Max Q (moment of peak mechanical stress on the rocket)
00:02:32	1st stage main engine cutoff (MECO)
00:02:36	1st and 2nd stages separate
00:02:43	2nd stage engine starts
00:03:09	Fairing deployment
00:06:40	1st stage entry burn complete
00:08:24	1st stage landing
00:08:47	2nd stage engine cutoff (SECO-1)
00:45:31	2nd stage engine restarts
00:45:32	2nd stage engine cutoff (SECO-2)
01:04:28	Starlink satellites deploy