



STARLINK-16 MISSION

MISSION OVERVIEW

SpaceX is targeting Tuesday, November 24 for launch of its sixteenth [Starlink mission](#), which will launch 60 Starlink satellites from Space Launch Complex 40 (SLC-40) at Cape Canaveral Air Force Station. The instantaneous launch window is at 9:13 p.m. EST, or 02:13 UTC on Wednesday, November 25.

The Falcon 9 first stage rocket booster supporting this mission previously flew on six other missions: the Telstar 18 VANTAGE mission in September 2018, the Iridium-8 mission in January 2019, and four Starlink missions in May 2019, January 2020, June 2020, and August 2020. 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 supported a mission, and the other half previously two.

Last month, SpaceX launched its "Better Than Nothing Beta" test program. Service invites were sent to a portion of those who requested availability updates on Starlink.com and who live in serviceable areas. A couple weeks ago, Canada granted Starlink regulatory approval and SpaceX has now rolled out the service to parts of southern Canada.

If you would like to learn more about the service, please visit the [Reddit AMA](#) SpaceX engineers recently participated in.

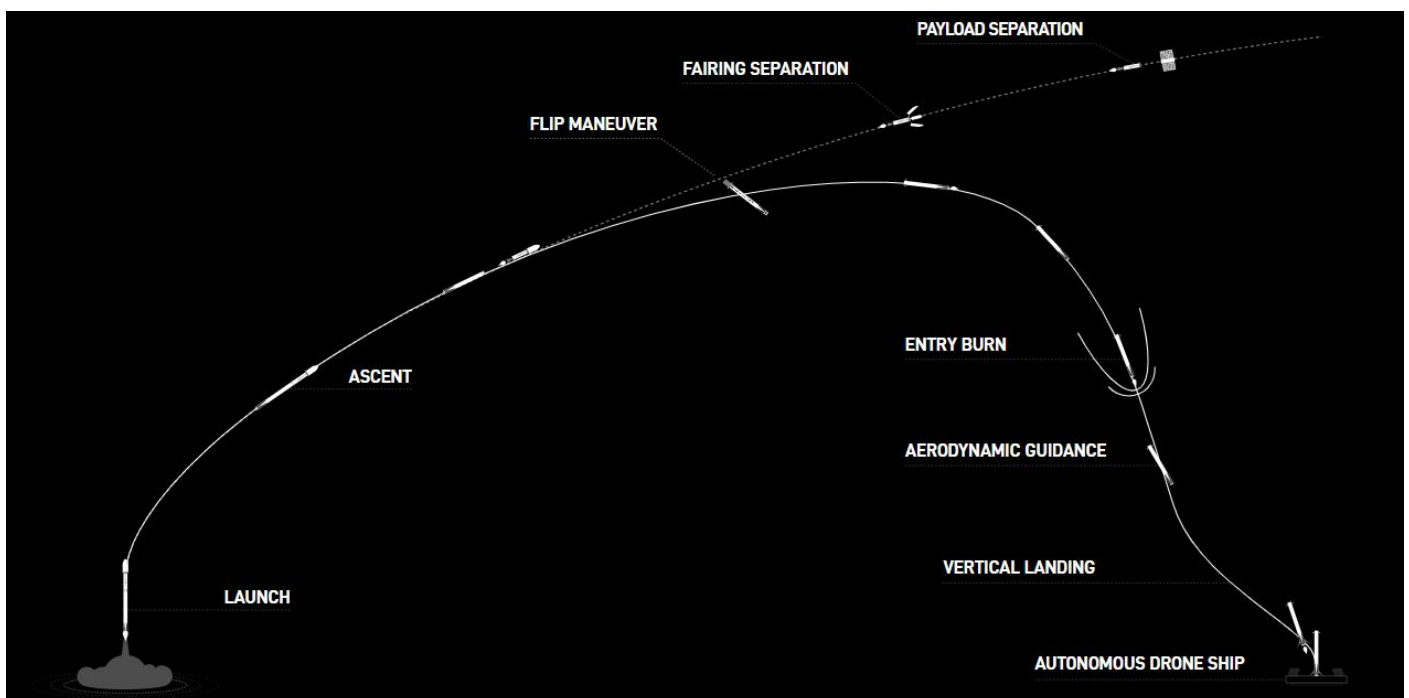
WEBCAST

You can watch a live webcast of this mission, which will begin about 15 minutes prior to liftoff, [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)
00:02:35	1st and 2nd stages separate
00:02:43	2nd stage engine starts (SES-1)
00:03:10	Fairing deployment
00:07:03	1st stage entry burn complete
00:08:43	1st stage landing
00:08:50	2nd stage engine cutoff (SECO-1)
00:14:46	Starlink satellites deploy