

STARLINK-22 MISSION



MISSION OVERVIEW

SpaceX is targeting Sunday, March 14 for launch of 60 Starlink satellites from Launch Complex 39A (LC-39A) at Kennedy Space Center in Florida. The instantaneous window is at 6:01 a.m. EDT, or 10:01 UTC.

The Falcon 9 first stage rocket booster supporting this mission previously supported launch of Crew Dragon's first demonstration mission, RADARSAT Constellation Mission, SXM-7, and five Starlink missions. Following stage separation, SpaceX will land Falcon 9's first stage on the "Of Course I Still Love You" dronship, which will be located in the Atlantic Ocean. Falcon 9's fairing previously flew on the Transporter-1 mission.

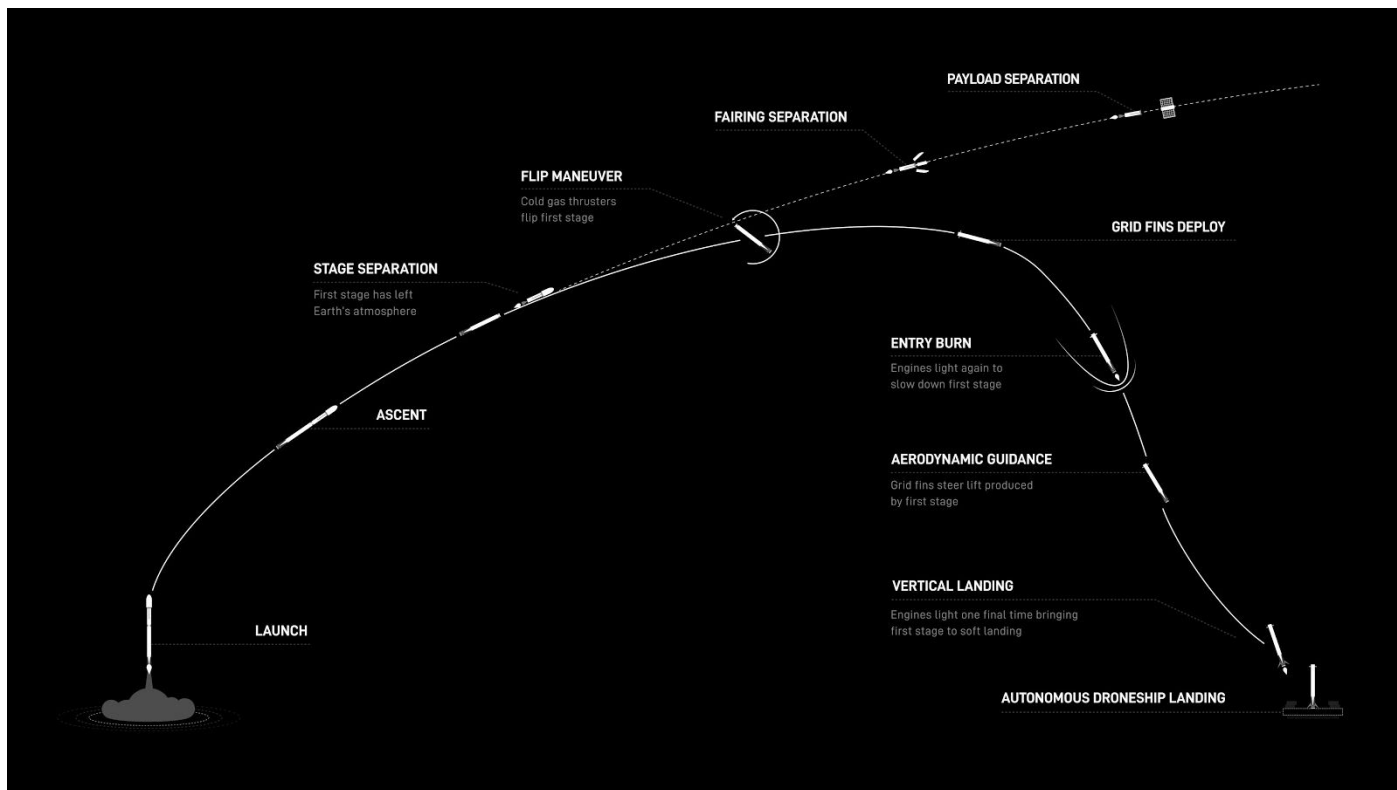
WEBCAST

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)
00:02:33	1st stage main engine cutoff (MECO)
00:02:36	1st and 2nd stages separate
00:02:44	2nd stage engine starts
00:03:10	Fairing deployment
00:06:41	1st stage entry burn complete
00:08:26	1st stage landing
00:08:48	2nd stage engine cutoff (SECO-1)
00:45:33	2nd stage engine restarts
00:45:35	2nd stage engine cutoff (SECO-2)
01:04:31	Starlink satellites deploy