

STARLINK-23 MISSION



MISSION OVERVIEW

SpaceX is targeting Wednesday, March 24 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 4:28 a.m. EDT, or 8:28 UTC, and a backup opportunity is available on Thursday, March 25 at 4:06 a.m. EDT, or 8:06 UTC.

The Falcon 9 first stage rocket booster supporting this mission previously supported launch of the GPS-III Space Vehicle 03 and Turksat 5A missions in addition to three 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 supported the Sentinel-6A mission and the other supported a previous Starlink mission.

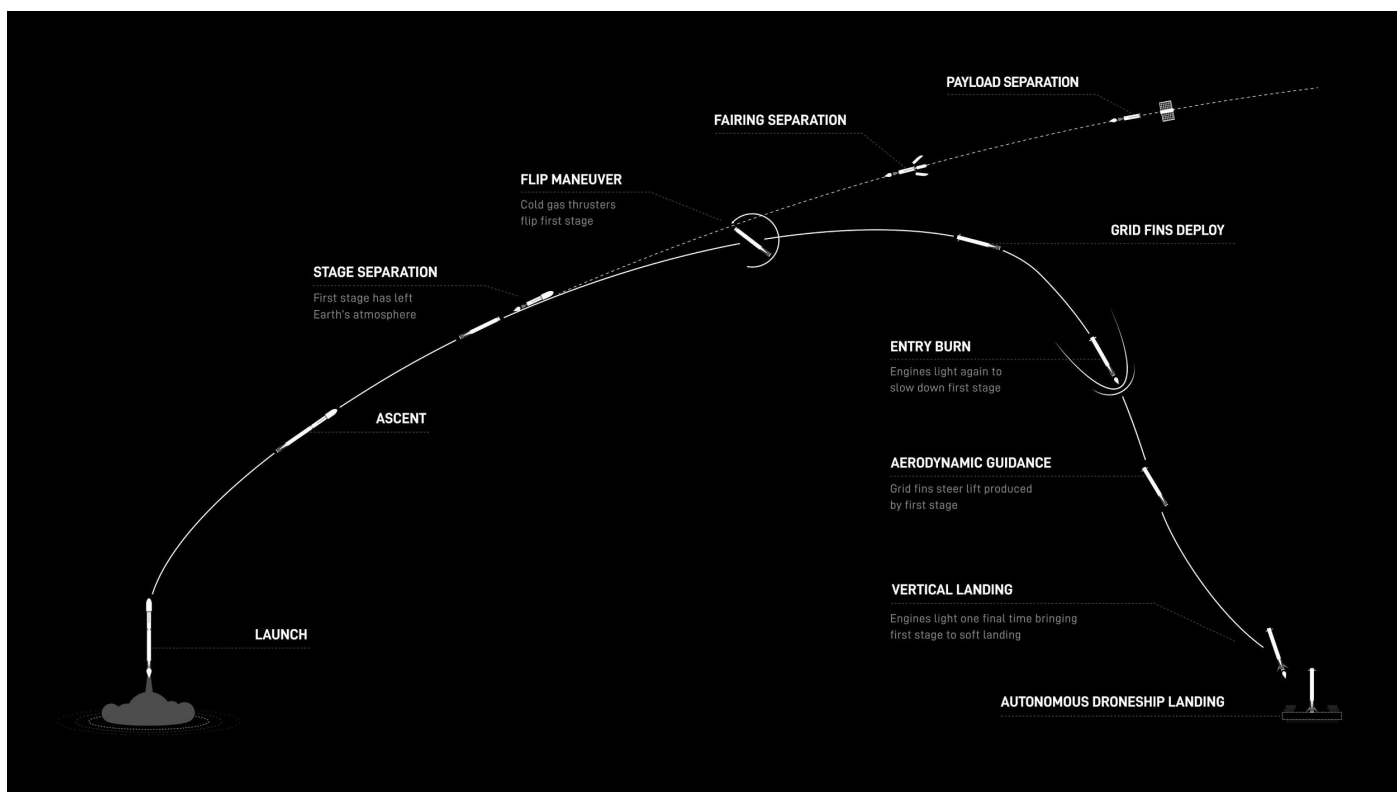
WEBCAST

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)
00:02:32	1st stage main engine cutoff (MECO)
00:02:36	1st and 2nd stages separate
00:02:44	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)
00:45:55	2nd stage engine restarts
00:45:56	2nd stage engine cutoff (SECO-2)
01:03:52	Starlink satellites deploy