STARLINK GROUP 4-10 MISSION

MISSION OVERVIEW

SpaceX is targeting Wednesday, March 9 for a Falcon 9 launch of 48 **Starlink** satellites to low Earth orbit from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Station in Florida. The instantaneous launch window is at 8:45 a.m. EST, or 13:45 UTC.

The first stage booster supporting this mission previously launched Arabsat-6A, STP-2, and COSMO-SkyMed Second Generation FM2. Following stage separation, Falcon 9's first stage will return to Earth and land on the A Shortfall of Gravitas droneship, which will be stationed in the Atlantic Ocean.
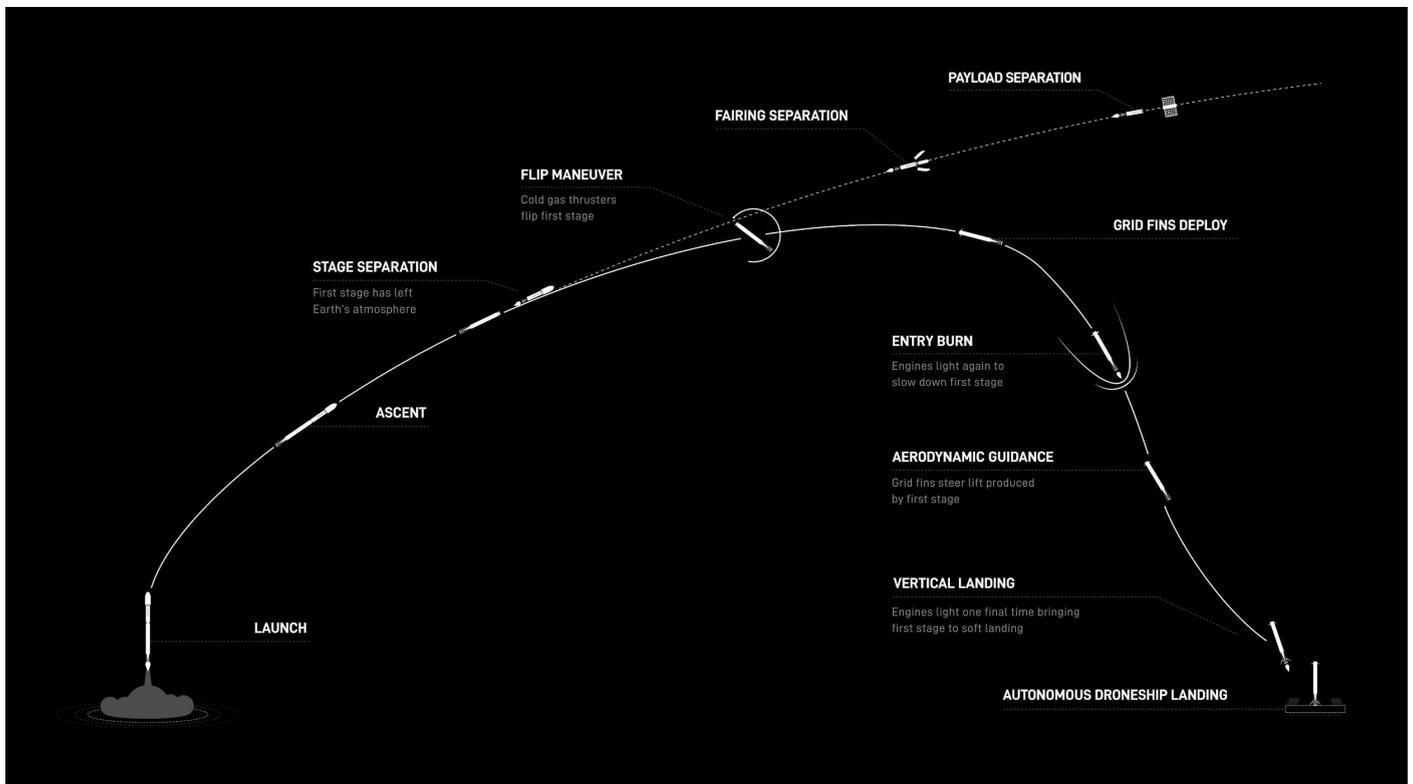
WEBCAST

A live webcast of this mission will begin about 15 minutes prior to liftoff.

PHOTOS

High-resolution photos will be posted at flickr.com/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)
00:02:30	1st stage main engine cutoff (MECO)
00:02:34	1st and 2nd stages separate
00:02:41	2nd stage engine starts (SES-1)
00:02:45	Fairing deployment
00:06:50	1st stage entry burn start
00:07:12	1st stage entry burn complete
00:08:25	1st stage landing burn start
00:08:45	2nd stage engine cutoff (SECO-1)
00:08:51	1st stage landing
00:56:50	2nd stage engine starts (SES-2)
00:56:51	2nd stage engine cutoff (SECO-2)
01:05:52	Starlink satellites deploy

This document was created based on the information posted publicly by SpaceX on the official website.