STARLINK GROUP 4-17 MISSION

MISSION OVERVIEW

SpaceX is targeting Friday, May 6 for a Falcon 9 launch of 53 **Starlink** satellites to low-Earth orbit from Launch Complex 39A (LC-39A) at Kennedy Space Center in Florida. The instantaneous launch window is at 5:42 a.m. ET, or 9:42 UTC, and a backup opportunity is available on Saturday, May 7 at 5:20 a.m. ET, or 9:20 UTC.

The first stage booster supporting this mission previously launched Crew Demo-2, ANASIS-II, CRS-21, Transporter-1, Transporter-3, and six Starlink missions. Following stage separation, Falcon 9's first stage will return to Earth and land on the A Shortfall of Gravitas droneship stationed in the Atlantic Ocean.

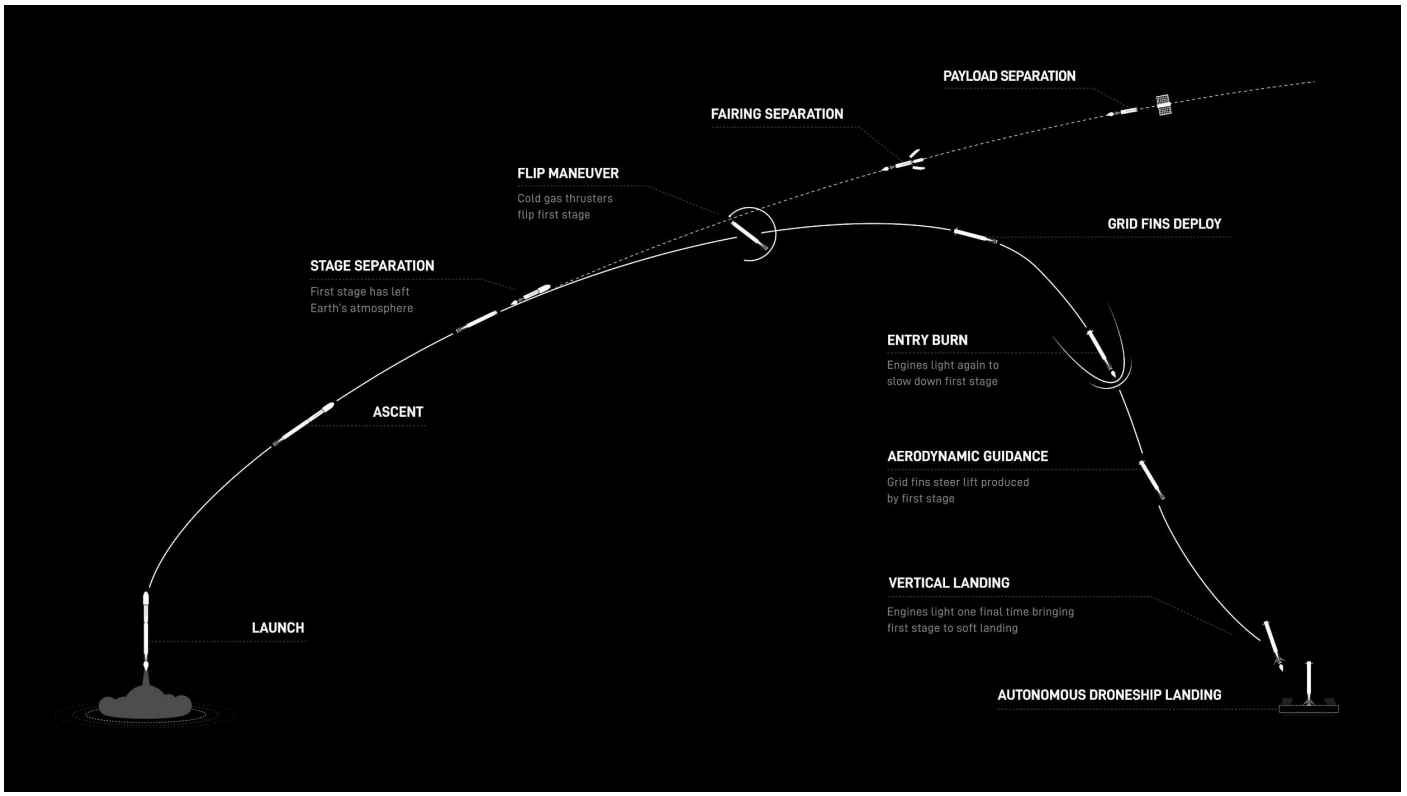
WEBCAST

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 begins
- 00:35:00	1st stage LOX (liquid oxygen) loading begins
- 00:16:00	2nd stage LOX loading begins
- 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)
00:02:31	1st stage main engine cutoff (MECO)
00:02:35	1st and 2nd stages separate
00:02:41	2nd stage engine starts
00:02:48	Fairing deployment
00:06:14	1st stage entry burn start
00:06:33	1st stage entry burn complete
00:08:04	1st stage landing burn start
00:08:26	1st stage landing
00:08:47	2nd stage engine cutoff (SECO-1)
00:45:28	2nd stage engine starts
00:45:29	2nd stage engine cutoff (SECO-2)
00:54:30	Starlink satellites deploy