

UPCOMING LAUNCH

STARLINK MISSION

WATCH



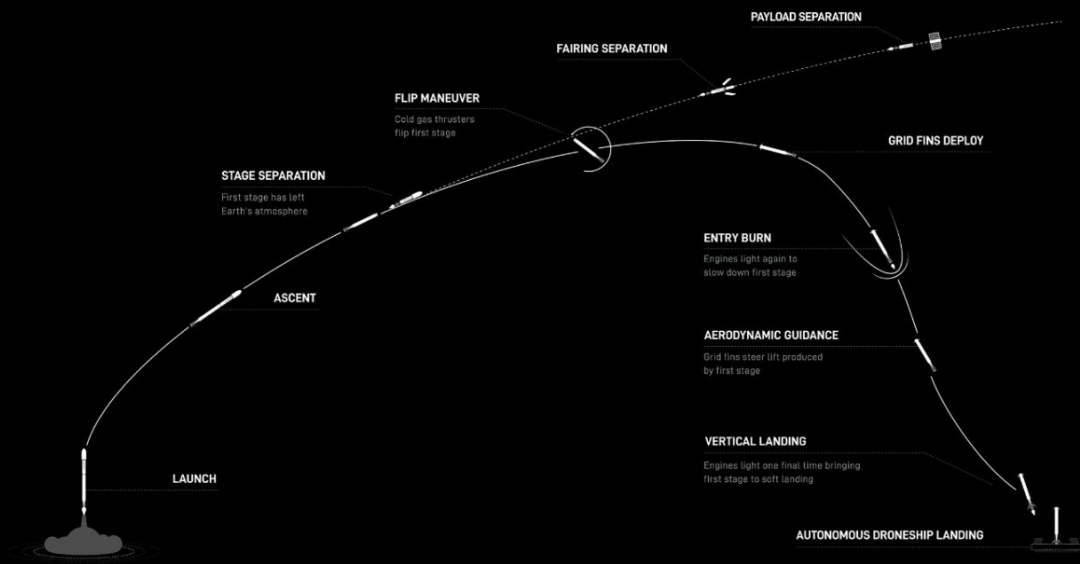
SpaceX is targeting Friday, August 19 for a Falcon 9 launch of 53 Starlink satellites to low-Earth orbit from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Station in Florida. The instantaneous launch window is at 3:21 p.m. ET (19:21 UTC), and a backup opportunity is available on Saturday, August 20 at 2:59 p.m. ET (18:59 UTC).

The first stage booster supporting this mission previously launched GPS III Space Vehicle 04, GPS III Space Vehicle 05, Inspiration4, Ax-1, Nilesat 301, and three 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.

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

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

All times are approximate

HR/MIN/SEC	EVENT
00:01:12	Max Q (moment of peak mechanical stress on the rocket)
00:02:28	1st stage main engine cutoff (MECO)
00:02:32	1st and 2nd stages separate
00:02:38	2nd stage engine starts
00:02:43	Fairing deployment
00:06:49	1st stage entry burn start
00:07:08	1st stage entry burn complete
00:08:29	1st stage landing burn start
00:08:33	2nd stage engine cutoff (SECO-1)
00:08:49	1st stage landing
00:15:15	Starlink satellites deploy