

UPCOMING LAUNCH

STARLINK MISSION

WATCH



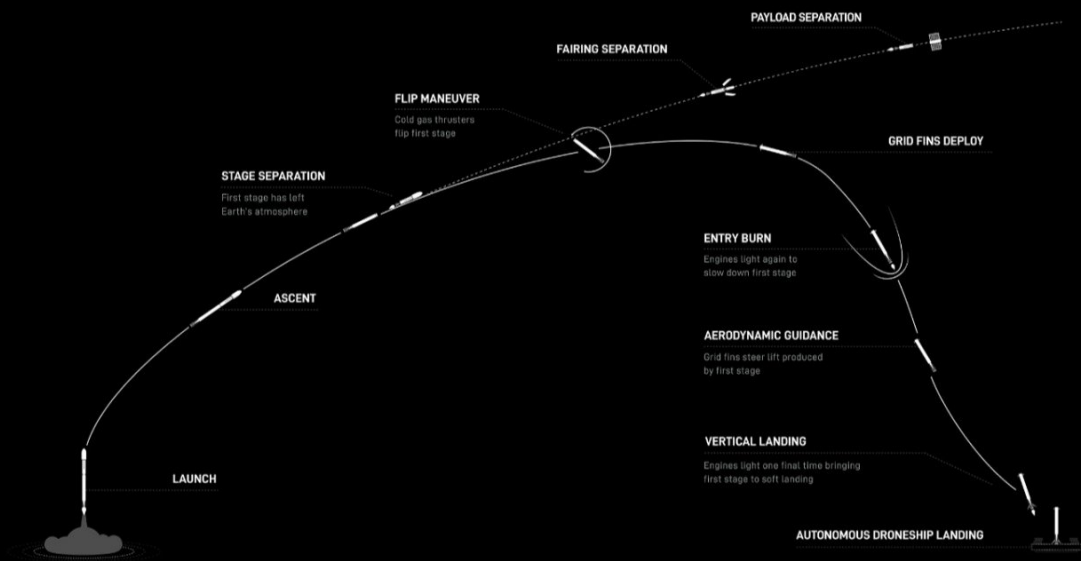
SpaceX is targeting Sunday, September 4 for a Falcon 9 launch of 51 Starlink satellites and Spaceflight's Sherpa-LTC, an orbital transfer vehicle, to low-Earth orbit from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Station in Florida. The instantaneous launch window is at 10:09 p.m. ET (02:09 UTC on September 5), and a backup opportunity is available on Monday, September 5 at 9:39 p.m. ET (01:39 UTC on September 6).

The first stage booster supporting this mission previously launched Arabsat-6A, STP-2, COSMO-SkyMed Second Generation FM2, KPLO, and two Starlink missions. Following stage separation, the first stage will land on the Just Read the Instructions dronship, which will be 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 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

All times are approximate

HR/MIN/SEC	EVENT
00:01:12	Max Q (moment of peak mechanical stress on the rocket)
00:02:29	1st stage main engine cutoff (MECO)
00:02:33	1st and 2nd stages separate
00:02:39	2nd stage engine starts
00:03:13	Fairing deployment
00:08:05	1st stage entry burn start
00:06:36	1st stage entry burn complete
00:08:05	1st stage landing burn start
00:08:27	1st stage landing
00:08:45	2nd stage engine cutoff (SECO-1)
00:45:25	2nd stage engine starts (SES-2)
00:45:27	2nd stage engine cutoff (SECO-2)
00:49:28	Spaceflight's Sherpa-LTC deploys
01:12:23	Starlink satellites deploy