

UPCOMING LAUNCH

TD7 MISSION

WATCH

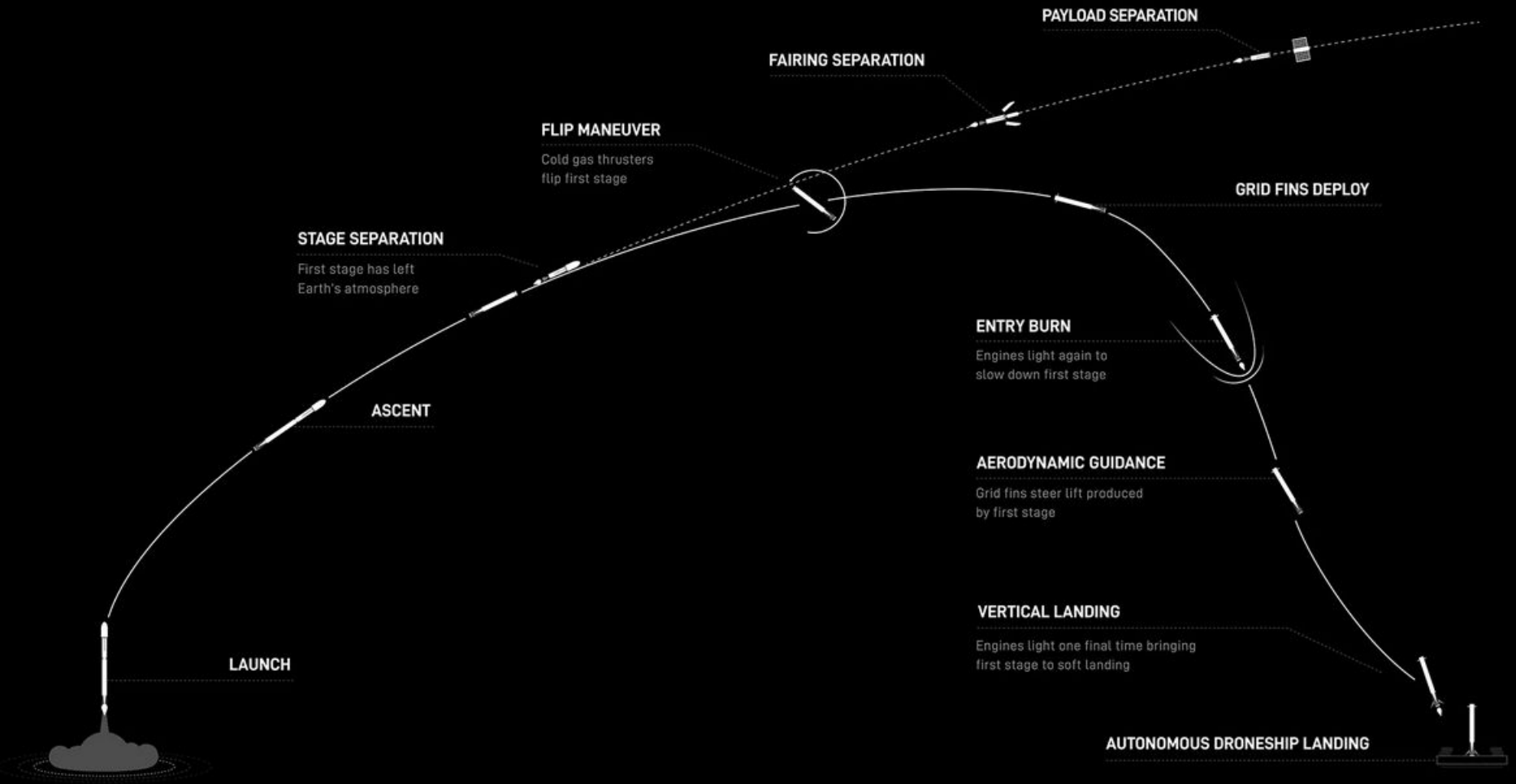
SpaceX is targeting Sunday, November 17 for a Falcon 9 launch of the TD7 mission to a geosynchronous transfer orbit from Launch Complex 39A (LC-39A) at Kennedy Space Center in Florida. The two-hour window opens at 4:29 p.m. ET. If needed, there is a backup opportunity on Monday, November 18 at the same time.

A live webcast of this mission will begin about 15 minutes prior to liftoff, which you can watch here and on **X @SpaceX**. You can also watch the webcast on the new X TV app.

This will be the 16th flight for the Falcon 9 first stage booster supporting this mission, which previously launched Crew-5, GPS III Space Vehicle 06, Inmarsat I6-F2, CRS-28, NG-20, and nine Starlink missions. After stage separation, the first stage will land on the A Shortfall of Gravitas droneship, which will be stationed in the Atlantic Ocean.

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 AND LANDING

All Times Approximate

HR/MIN/SEC	EVENT
00:01:14	Max Q (moment of peak mechanical stress on the rocket)
00:02:31	1st stage main engine cutoff (MECO)
00:02:34	1st and 2nd stages separate
00:02:42	2nd stage engine starts (SES-1)
00:03:25	Fairing separation
00:06:15	1st stage entry burn begins
00:06:42	1st stage entry burn ends
00:08:23	1st stage landing burn begins
00:08:48	1st stage landing