

UPCOMING LAUNCH

SES 03B MPOWER MISSION

WATCH

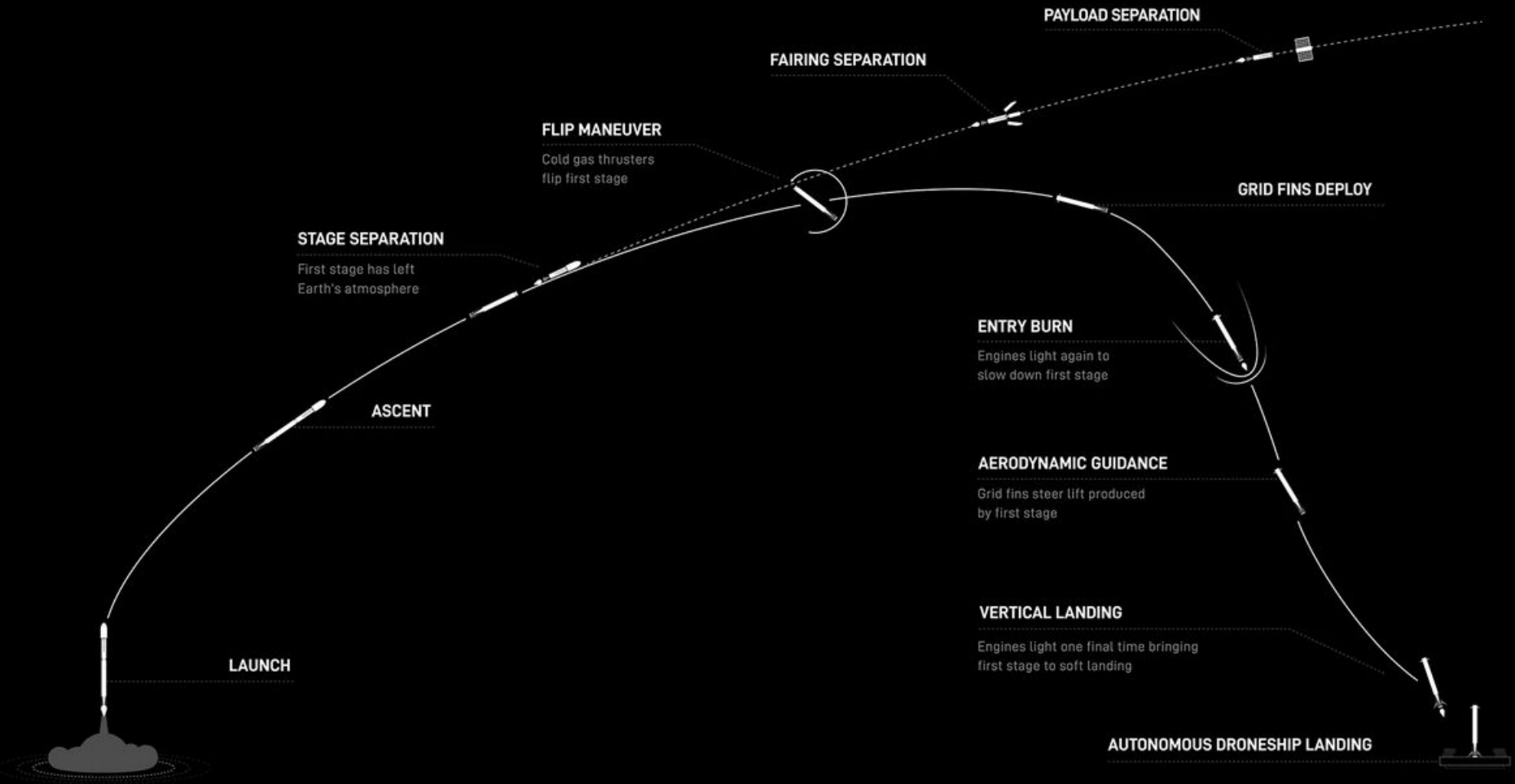
SpaceX is targeting Sunday, November 12 for a Falcon 9 launch of the SES 03b mPOWER mission to medium-Earth orbit from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Station in Florida. The 89-minute launch window opens at 4:08 p.m. ET. If needed, a backup opportunity is available Monday, November 13 with the same window.

A live webcast of this mission will begin on **X @SpaceX** about 15 minutes prior to liftoff. **Watch live.**

This is the ninth flight of the first stage booster supporting this mission, which previously launched CRS-26, OneWeb Launch 16, Intelsat IS-40e, and five Starlink missions. Following stage separation, the first stage will land on the A Shortfall of Gravitas dronship, 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, LANDING, AND DEPLOYMENT

All Times are Approximate

HR/MIN/SEC	EVENT
00:01:12	Max Q (moment of peak mechanical stress on the rocket)
00:02:27	1st stage main engine cutoff (MECO)
00:02:31	1st and 2nd stages separate
00:02:38	2nd stage engine starts
00:03:19	Fairing deployment
00:06:34	1st stage entry burn start
00:06:57	1st stage entry burn ends
00:07:51	2nd stage engine cutoff (SECO-1)
00:08:19	1st stage landing burn start
00:08:43	1st stage landing
00:26:57	2nd stage engine starts (SES-2)
00:27:30	2nd stage engine cutoff (SECO-2)
01:56:46	2nd stage engine starts (SES-3)
01:57:16	2nd stage engine cutoff (SECO-3)
02:00:18	First 03b mPOWER satellite deploys
02:07:18	Second 03b mPOWER satellite deploys