

UPCOMING LAUNCH

IM-2 MISSION

WATCH

SpaceX is targeting Wednesday, February 26 for a Falcon 9 launch of the Intuitive Machines **IM-2** mission to a lunar transfer orbit from Launch Complex 39A (LC-39A) at Kennedy Space Center in Florida. Also on board this mission is NASA'S Lunar Trailblazer, Astroforge's Odin, and Epic Aerospace's CHIMERA GEO 1 spacecraft. Liftoff is targeted for 7:16 p.m. ET, with a backup opportunity available on Thursday, February 27 at 7:10 p.m. ET if needed.

A live webcast of this mission will begin about 45 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.

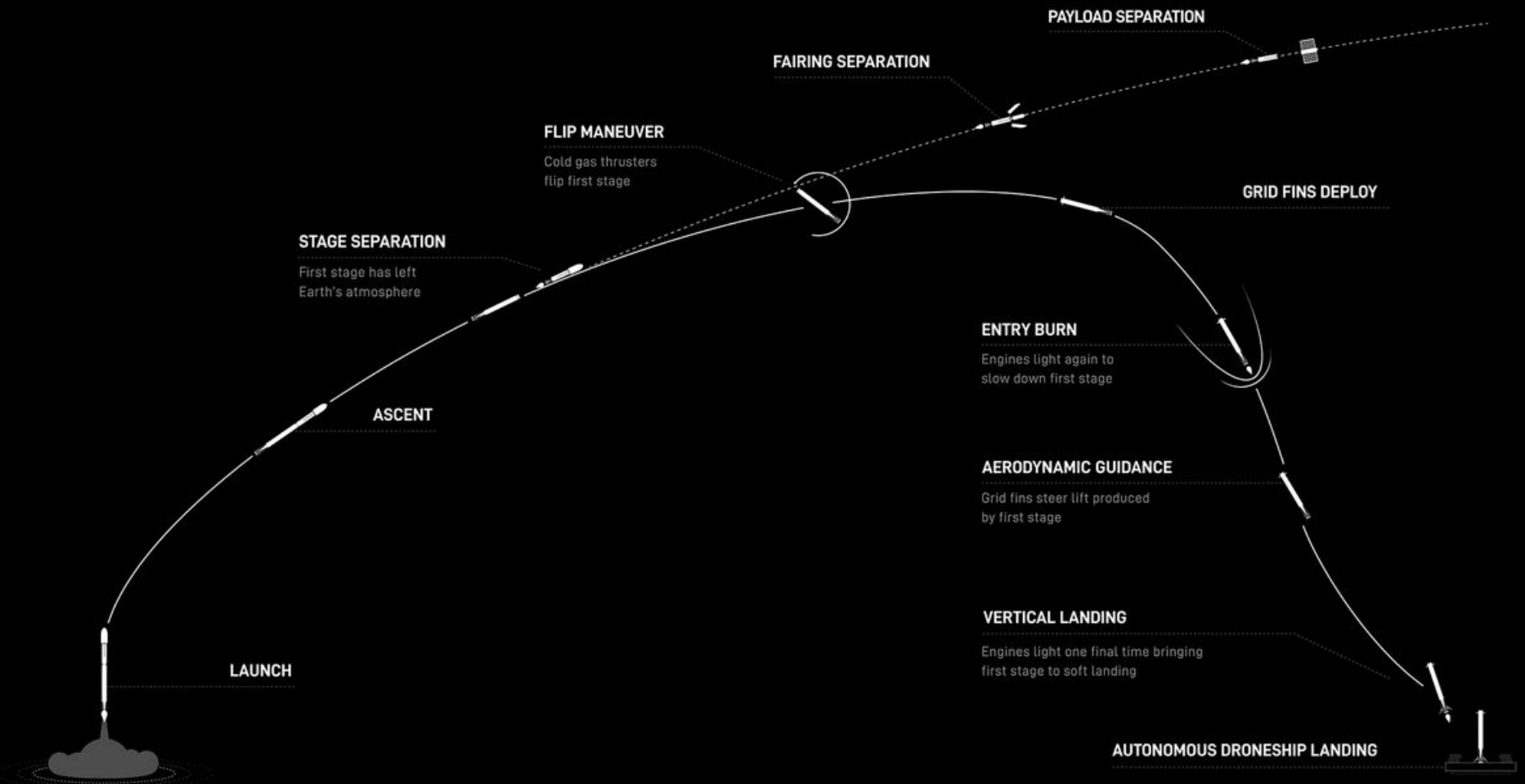
This will be the ninth flight of the first stage booster supporting this mission, which previously launched Crew-8, Polaris Dawn, CRS-31, Astranis: From One to Many, and four Starlink missions. Following stage separation, the first stage will land on the A Shortfall of Gravitas droneship, which will be stationed in the Atlantic Ocean.

Approximately three hours prior to liftoff, teams will begin loading the lunar lander with cryogenic methane and oxygen on the pad ahead of stepping into propellant load for Falcon 9.

After its deployment, the IM-2 mission lunar lander, Athena, will begin its 8-day journey to the Moon's South Pole, where the lander will help demonstrate lunar mobility, resource prospecting, and analysis of volatile substances from subsurface materials.

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 Approximate

HR/MIN/SEC	EVENT
00:01:18	Max Q (moment of peak mechanical stress on the rocket)
00:02:30	1st stage main engine cutoff (MECO)
00:02:34	1st and 2nd stages separate
00:02:42	2nd stage engine starts
00:03:27	Fairing deployment
00:06:15	1st stage entry burn start
00:06:41	1st stage entry burn ends
00:07:55	2nd stage engine cutoff (SECO-1)
00:08:01	1st stage landing burn start
00:08:31	1st stage landing
00:36:25	2nd stage engine starts (SES-2)
00:37:26	2nd stage engine cutoff (SECO-2)
00:43:38	IM-2's Athena lander deploys
00:47:28	Odin deploys
00:47:48	Lunar Trailblazer deploys
00:48:08	CHIMERA GEO 1 deploys