

UPCOMING LAUNCH

SARAH-2 MISSION

WATCH

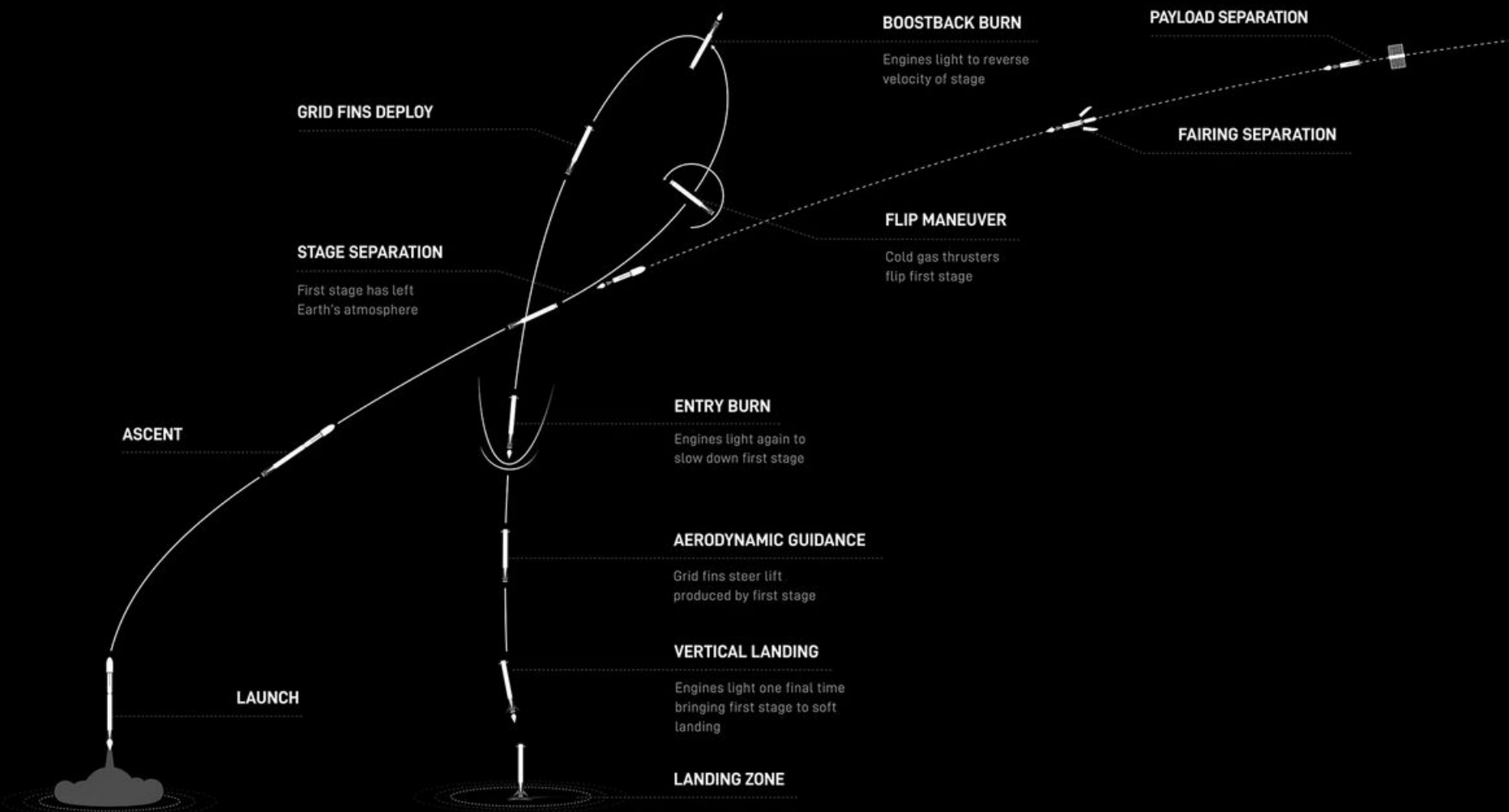
SpaceX is targeting Saturday, December 23 for a Falcon 9 launch of the SARah-2 mission to low-Earth orbit from Space Launch Complex 4 East (SLC-4E) at Vandenberg Space Force Base in California. The 83-minute launch window opens at 5:11 a.m. PT. If needed, a backup opportunity is available on Sunday, December 24 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 eighth flight of the first stage booster supporting this mission, which previously launched SDA-0A and six Starlink missions. Following stage separation, the first stage will land on Landing Zone 4 (LZ-4) at Vandenberg Space Force Base.

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



COUNTDOWN

All Times Approximate

HR/MIN/SEC	EVENT
00:01:12	Max Q (moment of peak mechanical stress on the rocket)
00:02:15	1st stage main engine cutoff (MECO)
00:02:19	1st and 2nd stages separate
00:02:27	2nd stage engine starts
00:02:32	1st stage boostback burn begins
00:02:38	Fairing deployment
00:03:16	1st stage boostback burn ends
00:06:19	1st stage entry burn start
00:06:33	1st stage entry burn ends
00:07:24	1st stage landing burn start
00:07:52	1st stage landing
00:10:05	2nd stage engine cutoff (SECO-1)
00:20:06	Deployment of SRH2
00:25:06	Deployment of SRH3