

UPCOMING LAUNCH

NROL-146 MISSION

WATCH

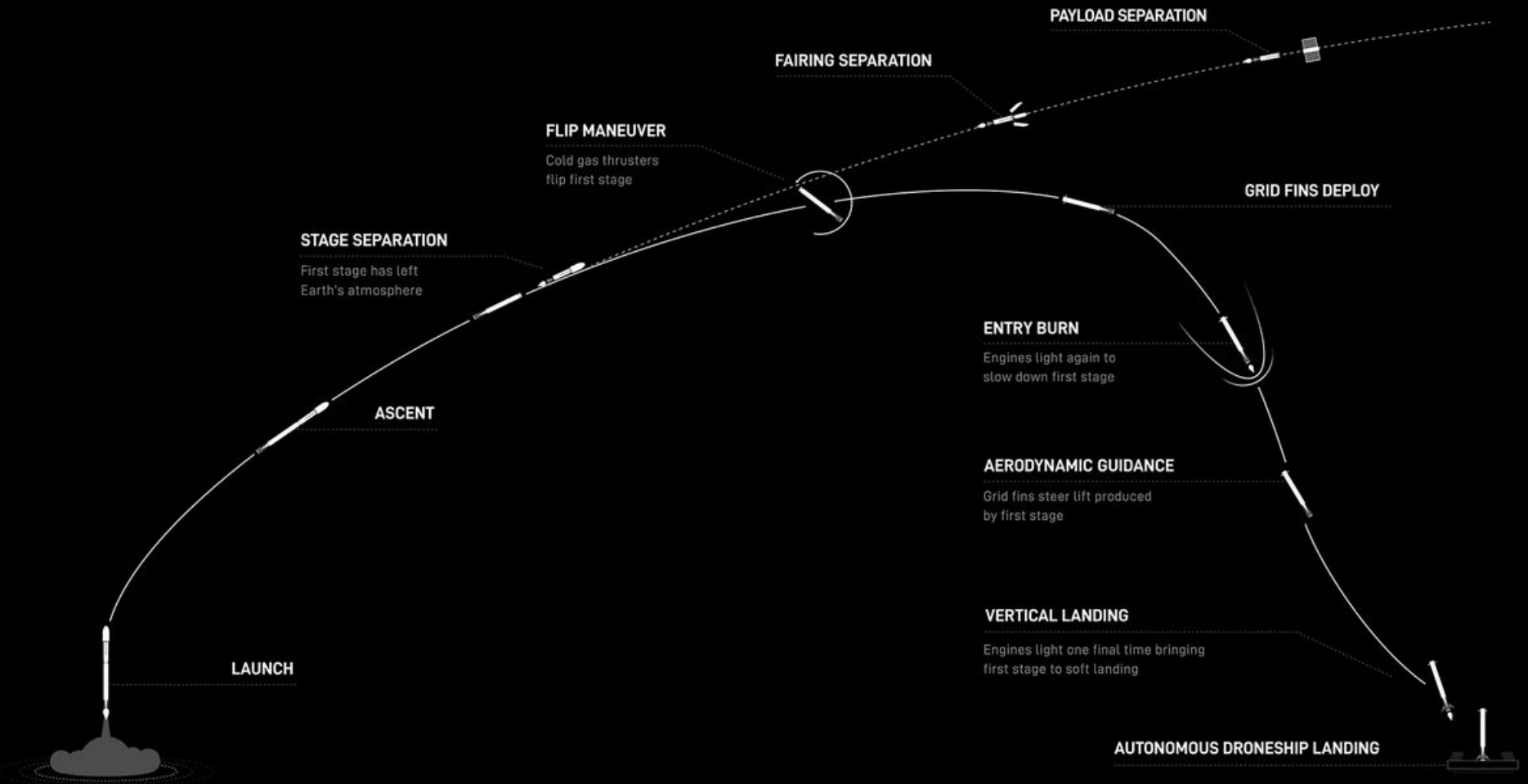
SpaceX is targeting Wednesday, May 22 for a Falcon 9 launch of the NROL-146 mission from Space Launch Complex 4 East (SLC-4E) at Vandenberg Space Force Base in California. Liftoff is targeted for 1:00 a.m. PT, with backup opportunities available until 3:28 a.m. PT. If needed, additional opportunities are also available on Thursday, May 23 starting at 1:14 a.m. PT.

A live webcast of this mission will begin on **X @SpaceX** about 10 minutes prior to liftoff. **Watch live.**

This is the 16th flight for the first stage booster supporting this mission, which previously launched NROL-87, NROL-85, SARah-1, SWOT, Transporter-8, Transporter-9, and nine Starlink missions. Following stage separation, the first stage will land on the Of Course I Still Love You droneship, which will be stationed in the Pacific 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
00:01:08	Max Q (Moment of peak mechanical stress on the rocket)
00:02:27	1st stage main engine cutoff (MECO)
00:02:30	1st and 2nd stages separate
00:02:37	2nd stage engine starts (SES-1)
00:03:02	Fairing deployment
00:06:06	1st stage entry burn begins
00:06:27	1st stage entry burn ends
00:07:51	1st stage landing burn begins
00:08:13	1st stage landing