

UPCOMING LAUNCH

NROL-113 MISSION

WATCH



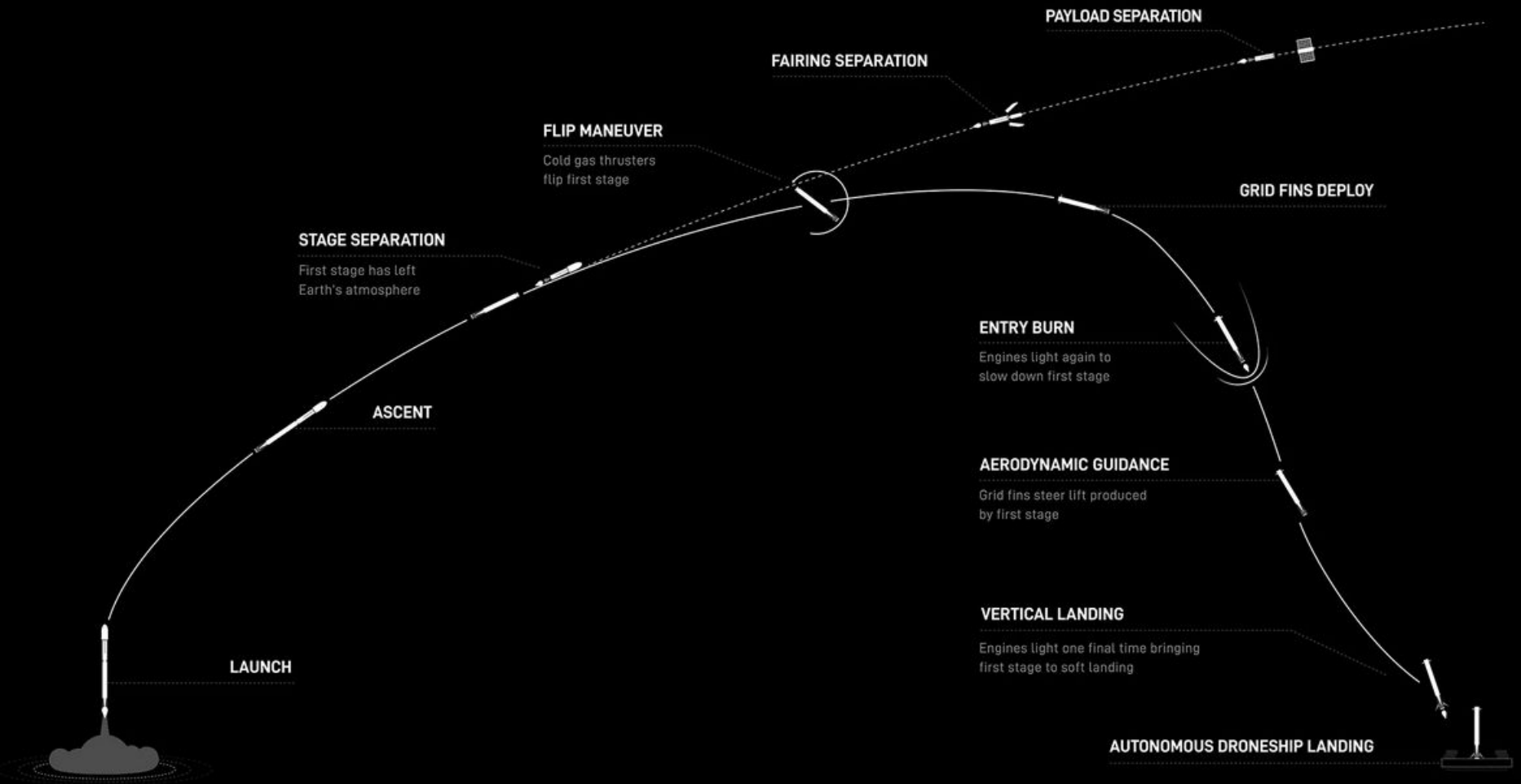
SpaceX is targeting Thursday, September 5 for a Falcon 9 launch of the NROL-113 mission from Space Launch Complex 4 East (SLC-4E) at Vandenberg Space Force Base in California. The launch window opens at 8:20 p.m. PT. If needed, a backup opportunity is available on Friday, September 6 starting at 7:58 p.m. PT.

A live webcast of this mission will begin about five minutes prior to liftoff, which you can watch here and on **X @SpaceX**.

This is the 20th flight for the first stage booster supporting this mission, which previously launched Sentinel-6, Michael Freilich, DART, Transporter-7, Iridium OneWeb, SDA-0B, and 14 Starlink missions. Following stage separation, the first stage will land on the Of Course I Still Love You dronship, 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 Approximate

HR/MIN/SEC	EVENT
00:01:06	Max Q
00:02:26	1st stage main engine cutoff (MECO)
00:02:30	1st and 2nd stages separate
00:02:36	2nd stage engine starts (SES-1)
00:03:00	Fairing deployment
00:06:13	1st stage entry burn begins
00:06:33	1st stage entry burn ends
00:08:00	1st stage landing burn begins
00:08:22	1st stage landing
00:08:40	2nd stage engine cutoff (SECO-1)
00:53:47	2nd stage engine starts (SES-2)
00:53:49	2nd stage engine cutoff (SECO-2)