

UPCOMING LAUNCH

TRANSPORTER-13 MISSION

WATCH

SpaceX is targeting Friday, March 14 for Falcon 9's launch of the Transporter-13 mission to low-Earth orbit from Space Launch Complex 4E (SLC-4E) at Vandenberg Space Force Base in California. The 17-minute launch window opens at 11:39 p.m. PT. If needed, there is a backup opportunity on Saturday, March 15 at the same time.

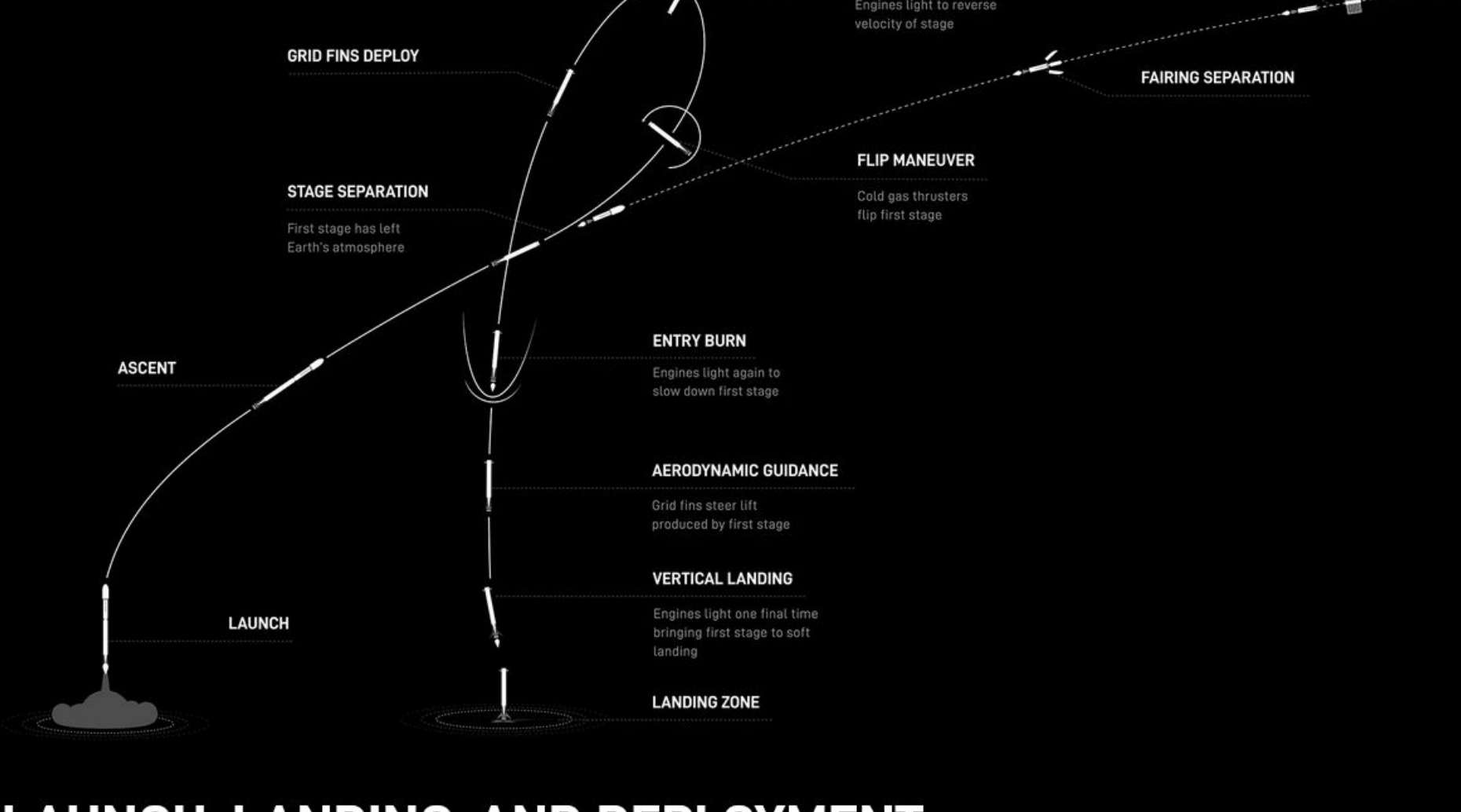
A live webcast of this mission will begin about 15 minutes prior to liftoff, which you can watch here and on **X @SpaceX**. You can also watch the webcast on the new X TV app.

This will be the 13th flight for the first stage booster supporting this mission which previously launched Crew-7, CRS-29, PACE, Transporter-10, EarthCARE, NROL-186, and six Starlink missions. Following stage separation, Falcon 9 will land on Landing Zone 4 (LZ-4) at Vandenberg Space Force Base. There is the possibility that residents of and visitors to Santa Barbara, San Luis Obispo, and Ventura counties may hear one or more sonic booms during the launch, but what residents experience will depend on weather and other conditions.

Transporter-13 is a **dedicated smallsat rideshare mission**. There are 74 payloads on this flight, including cubesats, microsats, hosted payloads, a re-entry capsule, and an orbital transfer vehicle carrying 11 of those payloads to be deployed at a later time. To date, SpaceX has launched more than 1,200 payloads to orbit for 130+ customers across our entire Rideshare program.

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 (moment of peak mechanical stress on the rocket)
00:02:14	1st stage main engine cutoff (MECO)
00:02:18	1st and 2nd stages separate
00:02:22	Stage 1 flip
00:02:26	2nd stage engine starts (SES-1)
00:02:31	1st stage boostback burn begins
00:03:07	Fairing separation
00:03:25	1st stage boostback burn ends
00:06:02	1st stage entry burn begins
00:06:15	1st stage entry burn ends
00:07:03	1st stage landing burn begins
00:07:27	1st stage landing
00:08:15	2nd stage engine cutoff (SECO-1)
00:51:08	2nd stage engine starts (SES-2)
00:51:11	2nd stage engine cutoff (SECO-2)
00:53:57	NILA deploys, manifested by Exolaunch
00:54:02	Tevel 2 7 through 9 deploy, manifested by SEOPS
00:54:10	OrbAstro-TR5 deploys, manifested by Exolaunch
00:54:18	IOD1 STARTICAL deploys, manifested by Exolaunch
00:54:25	AIMunther deploys, manifested by SEOPS
00:54:46	NUSHSat1 and JinjuSat-1B deploy, manifested by Exolaunch
00:55:03	BOTSAT-1 deploys, manifested by Exolaunch
00:55:10	Tomorrow-S5 deploys, manifested by Tomorrow.io
00:55:43	Tevel 2 1 through 3 deploy, manifested by SEOPS
00:56:02	Tevel 2 4 through 6 deploy, manifested by SEOPS
00:56:10	RapSat deploys, manifested by SEOPS
00:56:35	AeroCube18 A deploys, manifested by SEOPS
00:56:46	AeroCube18 B deploys, manifested by SEOPS
00:56:57	Orca-2B deploys, manifested by SEOPS
00:57:10	LizzieSat-3 deploys, manifested by Sidus Space
00:57:31	Sphinx deploys, manifested by Maverick Space Systems
00:57:46	DROID.002 deploys, manifested by Exolaunch
00:58:25	Tomorrow-S6 deploys, manifested by Tomorrow.io
00:58:58	M-SEL deploys, manifested by Maverick Space Systems
00:59:14	W-3 deploys, manifested by Varda Space Industries
00:59:32	ION SCV Marvelous Mathias deploys, manifested by Impulso.Space
01:00:32	MBRSC's DSAR-TD deploys, manifested by Satrec Initiative
01:05:14	SpaceEye-T deploys, manifested by Satrec Initiative
01:06:54	Clarity-1 deploys, manifested by Albedo
01:42:23	2nd stage engine starts (SES-3)
01:42:24	2nd stage engine cutoff (SECO-3)
02:14:31	2nd stage engine starts (SES-4)
02:14:32	2nd stage engine cutoff (SECO-4)
02:17:33	LEMUR-2-BALTO deploys, manifested by Exolaunch
02:17:39	SOAP deploys, manifested by Exolaunch
02:17:46	LEMUR-2-MARACHE-FRAN deploys, manifested by Exolaunch
02:17:51	Pandore deploys, manifested by Exolaunch
02:18:00	LEMUR-2-THEFALCONER deploys, manifested by Exolaunch
02:18:06	LEMUR-2-EMERSONROSE deploys, manifested by Exolaunch
02:18:10	UVSQ-SAT NG deploys, manifested by SEOPS
02:18:29	HYVRID deploys, manifested by Exolaunch
02:18:36	EZIE-A deploys, manifested by Maverick Space Systems
02:18:49	EZIE-B deploys, manifested by Maverick Space Systems
02:18:55	LEMUR-2-LIA-MARTIN deploys, manifested by Exolaunch
02:19:06	Buccaneer Main deploys, manifested by SEOPS
02:19:32	EZIE-C deploys, manifested by Maverick Space Systems
02:19:38	LEMUR-2-DELOITTE-1 deploys, manifested by Exolaunch
02:19:46	ICEYE 1 deploys, manifested by Exolaunch
02:20:06	ARVAKER 1 deploys, manifested by Exolaunch
02:20:53	LEMUR-2-LEIA-PHILIP deploys, manifested by Exolaunch
02:21:15	ICEYE 2 deploys, manifested by Exolaunch
02:21:48	FireSat0 deploys, manifested by Exolaunch
02:22:21	YAM-8 deploys, manifested by Exolaunch
02:22:28	ICEYE 3 deploys, manifested by Exolaunch
02:22:42	ICEYE 4 deploys, manifested by Exolaunch