

UPCOMING LAUNCH

TRANSPORTER-9 MISSION

WATCH

SpaceX is targeting Saturday, November 11 for Falcon 9's launch of the **Transporter-9 mission** to low-Earth orbit from Space Launch Complex 4E (SLC-4E) at Vandenberg Space Force Base in California. The 55-minute launch window opens at 10:49 a.m. PT. If needed, there is a backup opportunity Sunday, November 12 with the same window.

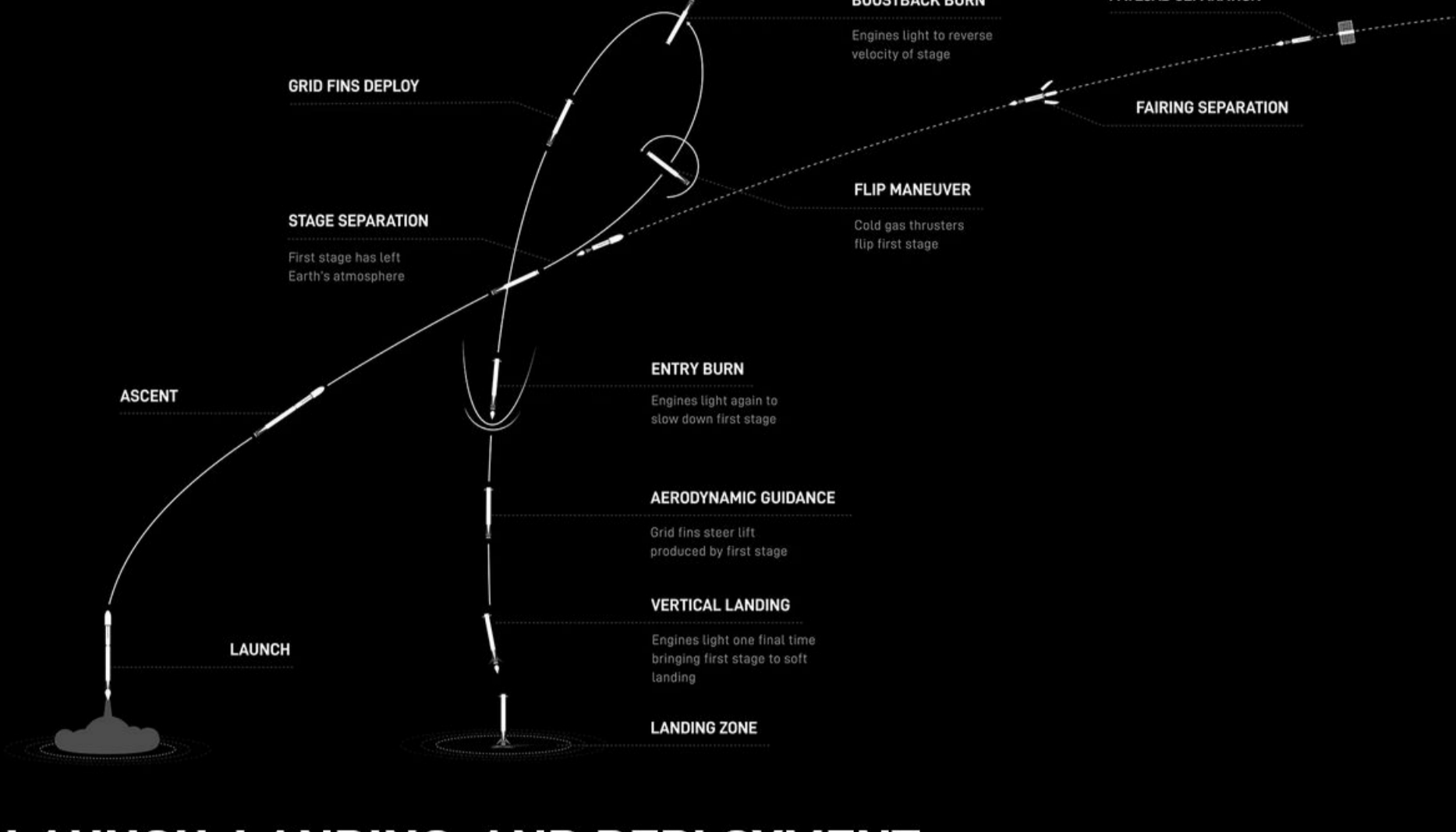
A live webcast of this mission will begin on [X @SpaceX](#) about 10 minutes prior to liftoff. [Watch Live](#).

The first stage booster supporting this mission previously launched NR0L-87, NR0L-85, SARah-1, SWOT, Transporter-8, and six Starlink missions. Following stage separation, Falcon 9 will land on Landing Zone 4 (LZ-4) at Vandenberg Space Force Base.

Transporter-9 is SpaceX's ninth **dedicated smallsat rideshare mission**. There will be 90 payloads on this flight, including CubeSats, MicroSats, and orbital transfer vehicles carrying spacecraft to be deployed at a later time.

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
00:01:05	Max Q (moment of peak mechanical stress on the rocket)
00:02:19	1st stage main engine cutoff (MECO)
00:02:22	1st and 2nd stages separate
00:02:30	2nd stage engine starts (SES-1)
00:02:35	1st stage boostback burn begins
00:03:01	Fairing deployment
00:03:29	1st stage boostback burn ends
00:06:13	1st stage entry burn begins
00:06:29	1st stage entry burn ends
00:07:22	1st stage landing burn begins
00:07:24	1st stage landing
00:08:31	2nd stage engine cutoff (SECO-1)
00:50:52	2nd stage engine starts (SES-2)
00:56:55	2nd stage engine cutoff (SECO-2)
00:54:01	JUBA deploys, manifested by Exolaunch
00:54:04	NinjaSat deploys, manifested by Exolaunch
00:54:23	DJIBOUTI-1A deploys, manifested by Exolaunch
00:54:33	VERONIKA deploys, manifested by Exolaunch
00:54:41	ELLIOT deploys, manifested by Exolaunch
00:54:44	Platero deploys, manifested by Exolaunch
00:54:59	MANTIS deploys, manifested by Exolaunch
00:55:04	OrbAstro-TRI deploys, manifested by Exolaunch
00:55:08	VANGUARD deploys, manifested by Exolaunch
00:55:21	Observer-1A deploys, manifested by Exolaunch
00:55:27	Barry-1 deploys, manifested by Exolaunch
00:55:28	IRIS-C2 deploys, manifested by Maverick Space Systems
00:55:53	Platform 5 deploys, manifested by Exolaunch
00:56:29	BRO-10 deploys, manifested by Exolaunch
00:56:40	LEMUR 2 DILIGHTFUL deploys, manifested by Exolaunch
00:56:58	Foxconn PEARL-1C deploys, manifested by Exolaunch
00:57:14	LEMUR 2 GOOD-VIBES deploys, manifested by Exolaunch
00:57:15	Outpost Mission 2 deploys, manifested by Exolaunch
00:57:25	LEMUR 2 SANITA-VERTRA deploys, manifested by Exolaunch
00:58:30	LEMUR 2 THE-CLEANER deploys, manifested by Exolaunch
00:58:40	BRO-11 deploys, manifested by Exolaunch
00:59:00	Plan - S / Connecta T3.2 deploys, manifested by Exolaunch
00:59:01	Observer-1A deploys, manifested by Exolaunch
00:59:02	Hello Test 1 & 2 deploy, manifested by Momentus
00:59:04	First Flock 4Q deploys, manifested by Planet
00:59:10	Plan - S / Connecta T3.1 deploys, manifested by Exolaunch
00:59:13	Picacho deploys, manifested by Momentus
00:59:22	Foxconn PEARL-1H deploys, manifested by Exolaunch
00:59:39	Second Flock 4Q deploys, manifested by Planet
00:59:40	JinjuSat-1 deploys, manifested by Momentus
01:00:20	OMNI-LER1 deploys, manifested by Maverick Space Systems
01:00:26	Protom��the-1 deploys, manifested by Exolaunch
01:00:37	LEMUR 2 MARAPAMASM deploys, manifested by Exolaunch
01:00:43	GENMAT-1 deploys, manifested by Maverick Space Systems
01:00:58	Third Flock 4Q deploys, manifested by Planet
01:01:40	Fourth Flock 4Q deploys, manifested by Planet
01:01:47	Fifth Flock 4Q deploys, manifested by Planet
01:01:54	Sixth Flock 4Q deploys, manifested by Planet
01:01:57	LEMUR 2 MANGO2A deploys, manifested by Exolaunch
01:02:06	Seventh Flock 4Q deploys, manifested by Planet
01:02:15	Eighth Flock 4Q deploys, manifested by Planet
01:02:17	Ninth Flock 4Q deploys, manifested by Planet
01:02:23	LEMUR 2 MANGO2B deploys, manifested by Exolaunch
01:03:08	10th Flock 4Q deploys, manifested by Planet
01:03:21	11th Flock 4Q deploys, manifested by Planet
01:03:31	12th Flock 4Q deploys, manifested by Planet
01:03:58	13th Flock 4Q deploys, manifested by Planet
01:04:09	14th Flock 4Q deploys, manifested by Planet
01:04:29	Aman-1 deploys, manifested via Momentus
01:04:48	15th Flock 4Q deploys, manifested by Planet
01:05:10	16th Flock 4Q deploys, manifested by Planet
01:05:23	17th Flock 4Q deploys, manifested by Planet
01:05:34	18th Flock 4Q deploys, manifested by Planet
01:05:41	19th Flock 4Q deploys, manifested by Planet
01:05:56	20th Flock 4Q deploys, manifested by Planet
01:06:09	21st Flock 4Q deploys, manifested by Planet
01:06:19	22nd Flock 4Q deploys, manifested by Planet
01:07:00	23rd Flock 4Q deploys, manifested by Planet
01:08:01	24th Flock 4Q deploys, manifested by Planet
01:08:12	25th Flock 4Q deploys, manifested by Planet
01:08:49	26th Flock 4Q deploys, manifested by Planet
01:09:01	27th Flock 4Q deploys, manifested by Planet
01:10:01	28th Flock 4Q deploys, manifested by Planet
01:10:12	29th Flock 4Q deploys, manifested by Planet
01:12:09	30th Flock 4Q deploys, manifested by Planet
01:12:21	31st Flock 4Q deploys, manifested by Planet
01:13:29	32nd Flock 4Q deploys, manifested by Planet
01:14:11	33rd Flock 4Q deploys, manifested by Planet
01:14:23	34th Flock 4Q deploys, manifested by Planet
01:15:05	Tiger-6 deploys, manifested by SEOPS
01:15:10	��THER-2 deploys, manifested by Kepler Communications
01:15:17	Tiger-5 deploys, manifested by SEOPS
01:15:31	35th Flock 4Q deploys, manifested by Planet
01:15:36	��THER-1 deploys, manifested by Kepler Communications
01:15:38	Heron Mark II deploys, manifested by SEOPS
01:15:42	Impulse-1 deploys manifested by Impulse Space
01:16:10	36th Flock 4Q deploys, manifested by Planet
01:16:30	Umbr��-08 deploys, manifested by Umbr�� Lab
01:16:32	1st ICEYE satellite deploys, manifested by Exolaunch
01:17:16	Umbr��-07 deploys, manifested by Umbr�� Lab
01:17:22	2nd ICEYE satellite deploys, manifested by Exolaunch
01:17:54	SPIP deploys, manifested by Exolaunch
01:18:16	3rd ICEYE satellite deploys, manifested by Exolaunch
01:20:20	KAFASat deploys, manifested by SEOPS
01:23:59	4th ICEYE satellite deploys, manifested by Exolaunch
01:24:04	Pelican-1 deploys, manifested by Planet
01:24:29	ION SCV-013 Ultimate Hugo deploys, manifested by D-Orbit
01:25:16	spacevan - 001 deploys, manifested by Exotrail
01:25:31	FalconSAT-X deploys, manifested by US Air Force Academy