



# TRANSPORTER-3 MISSION

## MISSION OVERVIEW

SpaceX is targeting Thursday, January 13 for a Falcon 9 launch of **Transporter-3** to orbit from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Station in Florida. The 29-minute launch window opens at 10:25 a.m. EST, or 15:25 UTC, and a backup opportunity is available on Friday, January 14 with the same window.

Falcon 9's first stage booster previously launched Crew Demo-2, ANASIS-II, CRS-21, Transporter-1, and five Starlink missions. Following stage separation, SpaceX will land Falcon 9's first stage on Landing Zone 1 (LZ-1) at Cape Canaveral Space Force Station.

Transporter-3 is SpaceX's third dedicated rideshare mission, and on board this launch are 105 spacecraft (including CubeSats, microsats, PocketQubes, and orbital transfer vehicles).

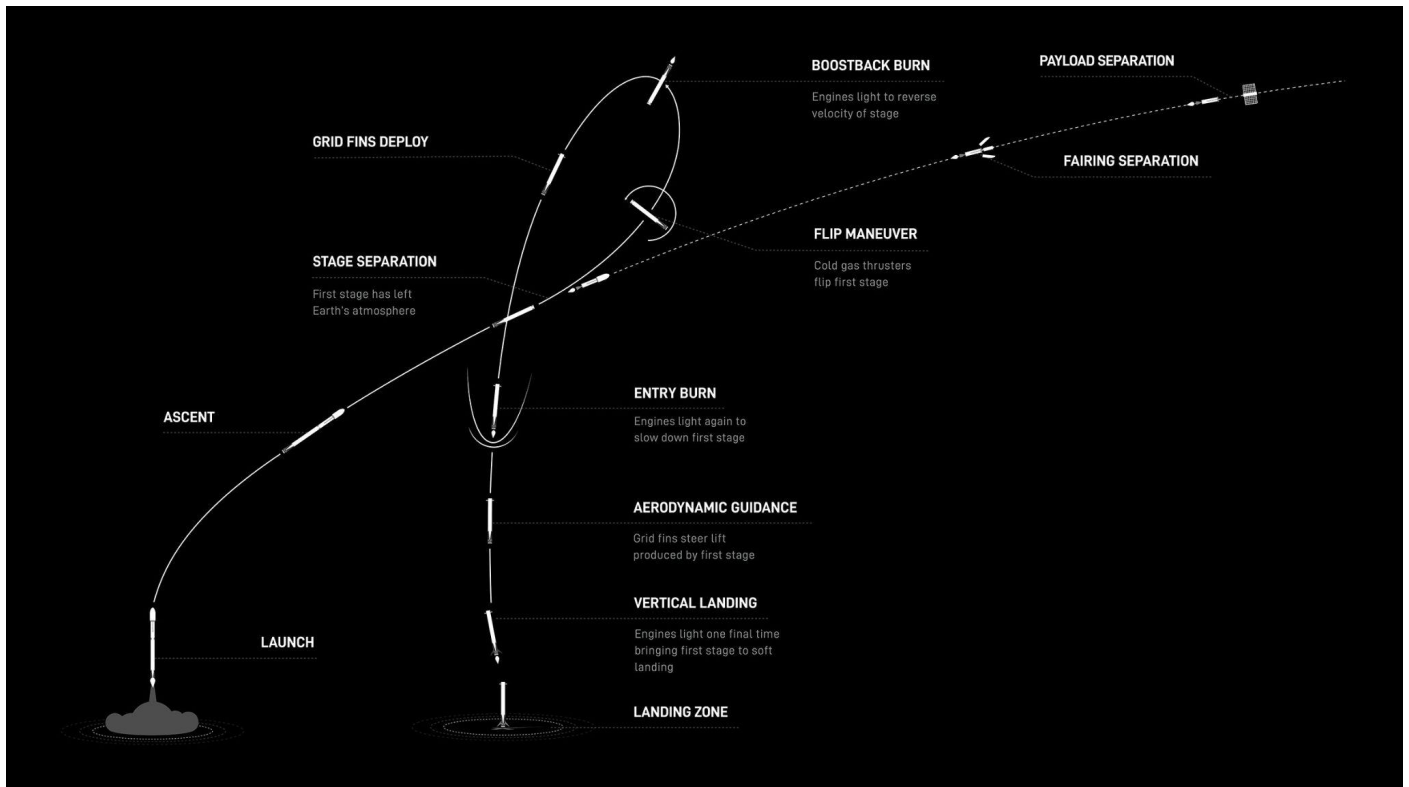
## WEBCAST

[A live webcast](#) of this mission will begin about 15 minutes prior to liftoff.

## PHOTOS

High-resolution photos will be posted at [flickr.com/spacex](https://www.flickr.com/photos/spacex/).

## MISSION PROFILE



# MISSION TIMELINE (ALL TIMES APPROXIMATE)

## 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 underway
- 00:35:00	1st stage LOX (liquid oxygen) loading underway
- 00:16:00	2nd stage LOX loading underway
- 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 tanks 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

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
00:02:26	2nd stage engine starts
00:02:32	Boostback burn begins
00:03:47	Fairing deployment
00:06:36	1st stage entry burn begins
00:08:26	2nd stage engine cutoff (SECO)
00:08:27	1st stage landing
00:55:22	2nd stage engine restarts
00:55:24	2nd stage engine cutoff (SECO-2)
00:59:38	UNICORN-2E deploys
00:59:51	DELFI-PQ, EASAT-2, and HADES deploy
01:00:25	UNICORN-2D, STALLA-2A, and GRIZU-263A deploy
01:02:10	UNICORN-1 and UNICORN-2A deploy
01:02:49	PION-BR1, MDQUBESAT-1, SATLLA-2B, and UNICORN-2TA1 deploy
01:02:55	ETV-A1 deploys
01:03:04	HYPSON-1 deploys
01:03:16	Gossamer Piccolomini deploys
01:03:28	DEWA-SAT 1 deploys
01:03:47	NuX-1 deploys
01:04:15	BRO-5 deploys
01:05:36	Challenger and SANOSAT-1 deploy
01:05:48	FOSSASAT-2E5 and FOSSASAT-2E6 deploy
01:06:01	FOSSASAT-2E2, WISESAT-2, FOSSASAT-2E3, and PILOT-1 deploy
01:06:27	FOSSASAT-2E1, WISESAT-1, FOSSASAT-2E4, and LAIKA deploy
01:06:32	First SuperDove deploys
01:06:51	First LEMUR-2 deploys
01:07:13	KEPLER-17 deploys
01:07:19	Second LEMUR-2 deploys
01:07:31	Ororatech deploys
01:08:09	Tevel-4 and Tevel-5 deploy
01:08:35	Tevel-1, Tevel-2, and Tevel-3 deploy
01:10:27	KEPLER-19 deploys
01:11:01	MDASat-1a deploys
01:11:13	IRIS-A deploys

01:11:25	KEPLER-18 deploys
01:11:39	KEPLER-16 deploys
01:12:03	LEMUR-2-DJIRANG deploys
01:12:28	LEMUR-2-MIRIWARI deploys
01:12:44	MDASat-1b deploys
01:12:58	MDASat-1c deploys
01:13:27	Tevel-6, Tevel-7, and Tevel-8 deploy
01:21:07	Last SuperDove deploys
01:21:30	First ICEYE satellite deploys
01:22:08	Second ICEYE satellite deploys
01:22:20	Umbra-02 deploys
01:23:02	Ukrainian Satellite Sich deploys
01:23:31	Spaceflight customer satellite deploys
01:24:30	ION SCV-004 Elysian Eleonora deploys
01:27:04	Spaceflight customer satellite deploys