



TRANSPORTER-4 MISSION

MISSION OVERVIEW

SpaceX is targeting Friday, April 1 for a Falcon 9 launch of **Transporter-4** to a sun-synchronous orbit from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Station in Florida. The launch window opens at 12:24 p.m. ET, or 16:24 UTC. Falcon 9 will fly on a southern trajectory along Florida's eastern coast and may be visible from the ground.

Falcon 9's first stage booster previously launched Crew-1, Crew-2, SXM-8, CRS-23, IXPE, and one Starlink mission. Following stage separation, SpaceX will land Falcon 9's first stage on the Just Read the Instructions dronship stationed in the Atlantic Ocean.

Transporter-4 is SpaceX's fourth **dedicated smallsat rideshare mission**. On this flight are 40 spacecraft, including CubeSats, microsats, picosats, non-deploying hosted payloads, and an orbital transfer vehicle carrying spacecraft to be deployed at a later time.

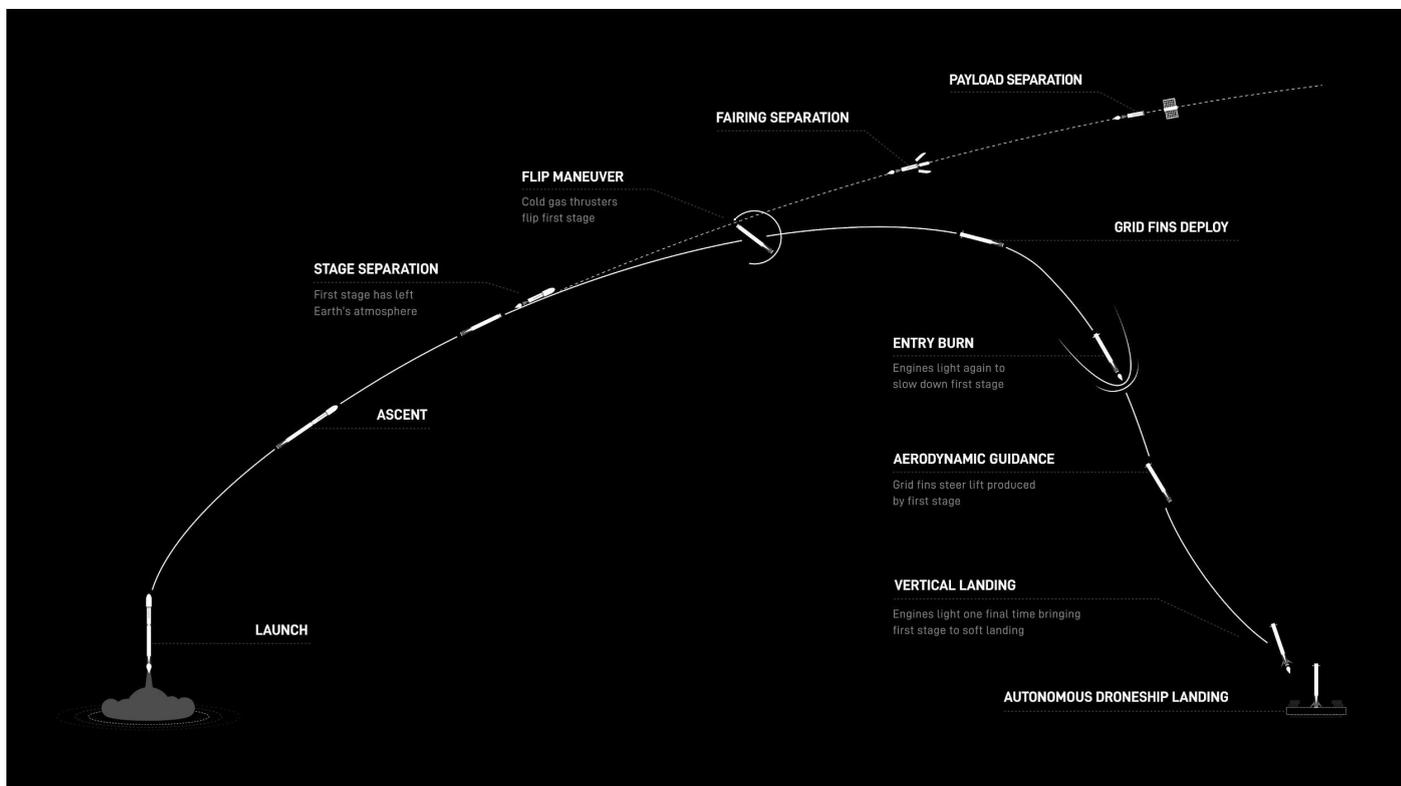
WEBCAST

[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 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

Hr/Min/Sec	Event
00:01:12	Max Q (moment of peak mechanical stress on the rocket)
00:02:30	1st stage main engine cutoff (MECO)
00:02:34	1st and 2nd stages separate
00:02:41	2nd stage engine starts
00:03:01	Fairing deployment
00:08:40	1st stage entry burn begins
00:09:09	1st stage entry burn ends
00:09:59	2nd stage engine cutoff (SECO)
00:09:59	1st stage landing burn begins
00:10:26	1st stage landing
00:14:00	EnMAP deploys
00:16:41	LEO-1 deploys
00:17:30	GNOMES-3 deploys
00:28:43	2nd stage engine restarts (SES-2)
00:28:45	2nd stage engine cutoff (SECO-2)
01:08:28	2nd stage engine restarts (SES-3)
01:08:29	2nd stage engine cutoff (SECO-3)
01:14:42	ARCSAT deploys
01:14:54	AlfaCrux deploys
01:15:07	12 Swarm spacecraft deploy
01:16:22	Shakuntala deploys
01:16:39	BD-Sat deploys
01:17:08	BRO-7 deploys
01:17:28	NewSat-27 deploys
01:17:44	NewSat-23 deploys
01:18:43	NewSat-24 deploys
01:20:18	NewSat-25 deploys
01:22:48	NewSat-26 deploys
01:23:25	Hawk 4C deploys
01:23:36	Hawk 4B deploys
01:24:13	Hawk 4A deploys
01:25:46	MP42 deploys
01:25:58	Lynk Tower 01 deploys
01:26:17	SCV-005 Almighty Alexius deploys