



TRANSPORTER-6 MISSION

MISSION OVERVIEW

SpaceX is targeting 9:56 a.m. ET (14:56 UTC) on Tuesday, January 3 for Falcon 9's launch of the **Transporter-6 mission** to low-Earth orbit from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Station in Florida.

The first stage booster supporting this mission previously launched GPS III-3, Turksat 5A, Transporter-2, Intelsat G-33/G-34 and 10 Starlink missions. Following stage separation, Falcon 9 will land on Landing Zone 1 (LZ-1) at Cape Canaveral Space Force Station.

Transporter-6 is SpaceX's sixth **dedicated smallsat rideshare mission**. There will be 114 payloads on this flight, including CubeSats, microsats, picosats, and orbital transfer vehicles carrying spacecraft to be deployed at a later time.

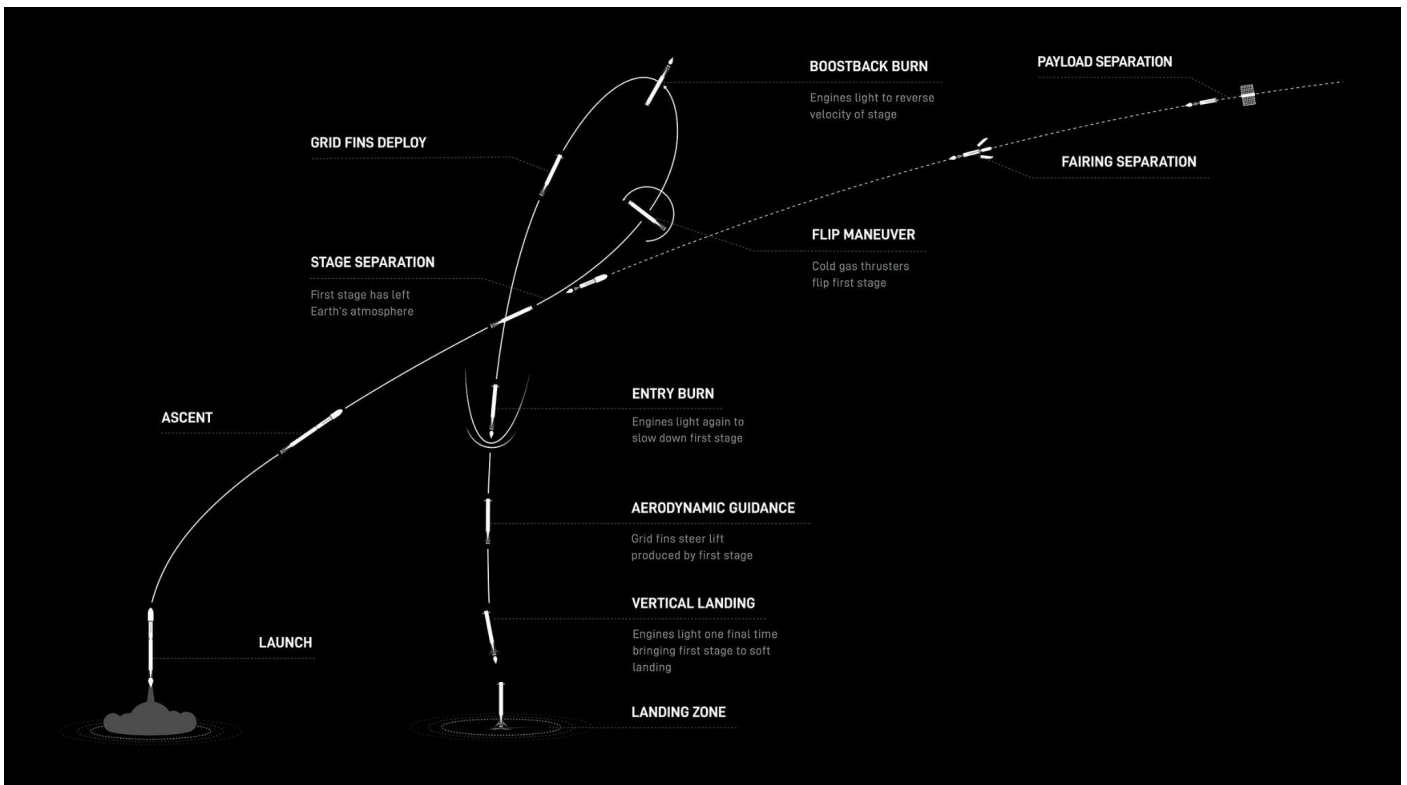
WEBCAST

A live webcast of this mission will begin about 10 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 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

Hr/Min/Sec	Event
00:02:17	1st stage main engine cutoff (MECO)
00:02:20	1st and 2nd stages separate
00:02:28	2nd stage engine starts
00:02:33	1st stage boostback burn begins
00:03:20	1st stage boostback burn ends
00:03:46	Fairing deployment
00:06:44	1st stage entry burn begins
00:07:07	1st stage entry burn ends
00:07:58	1st stage landing burn begins
00:08:23	2nd stage engine cutoff (SECO)
00:08:30	1st stage landing
00:55:20	2nd stage engine restarts (SES-2)
00:55:22	2nd stage engine cutoff (SECO-2)
00:58:24	KuwaitSat-1 deploys
00:58:34	BDSat-2 deploys
00:58:35	SharedSat 2211 deploys
00:58:44	LEMUR 2 EMMACULATE deploys
00:58:55	LEMUR 2 FUENTETAJA-01 deploys
00:59:51	ConnectaT1.2 deploys
01:00:00	GAMA Alpha deploys
01:00:01	BRO-8 deploys
01:00:12	Menut deploys
01:00:18	Huygens deploys
01:00:24	LEMUR 2 DISCLAIMER deploys
01:00:35	STAR VIBE deploys
01:00:55	LEMUR 2 STEVEALBERS deploys
01:01:11	ISILAUNCH Kleos KSF3-A deploys
01:02:02	Birkeland deploys
01:02:07	SPACEBEE-156/167 deploys
01:02:47	LEMUR 2 MMOLO deploys
01:02:54	ISILAUNCH Kleos KSF3-B deploys
01:03:25	ISILAUNCH Kleos KSF3-C deploys
01:04:47	LEMUR 2 PHILARI deploys
01:05:02	ISILAUNCH Kleos KSF3-D deploys
01:05:03	First Flock 4Y deploys
01:05:11	EWS RROCI deploys

01:05:12 SpaceBD ISILAUNCH Polytan from Kiev deploys
01:05:14 Second Flock 4Y deploys
01:05:23 Guardian-alpha deploys
01:05:25 Third Flock 4Y deploys
01:05:36 Fourth Flock 4Y deploys
01:05:40 SpaceBD Sony Sphere-1 deploys
01:05:50 ISILAUNCH ClydeSpace NSLSat-2 deploys
01:06:30 ISILAUNCH Sternula-1 deploys
01:06:35 Fifth Flock 4Y deploys
01:06:45 Sixth Flock 4Y deploys
01:06:58 Seventh Flock 4Y deploys
01:07:50 Eighth Flock 4Y deploys
01:08:33 Ninth Flock 4Y deploys
01:08:45 10th Flock 4Y deploys
01:09:17 11th Flock 4Y deploys
01:09:28 12th Flock 4Y deploys
01:09:38 13th Flock 4Y deploys
01:10:24 14th Flock 4Y deploys
01:10:42 15th Flock 4Y deploys
01:10:55 16th Flock 4Y deploys
01:11:21 17th Flock 4Y deploys
01:11:32 18th Flock 4Y deploys
01:11:43 19th Flock 4Y deploys
01:12:30 20th Flock 4Y deploys
01:12:41 21st Flock 4Y deploys
01:12:53 22nd Flock 4Y deploys
01:13:26 23rd Flock 4Y deploys
01:13:36 24th Flock 4Y deploys
01:13:54 25th Flock 4Y deploys
01:14:40 26th Flock 4Y deploys
01:14:50 27th Flock 4Y deploys
01:15:40 28th Flock 4Y deploys
01:15:52 29th Flock 4Y deploys
01:16:38 30th Flock 4Y deploys
01:16:49 31st Flock 4Y deploys
01:17:40 32nd Flock 4Y deploys
01:17:50 33rd Flock 4Y deploys
01:18:41 34th Flock 4Y deploys
01:18:52 35th Flock 4Y deploys
01:19:42 36th Flock 4Y deploys
01:19:46 Lynk Tower 3 deploys
01:20:00 Albania 1 deploys
01:20:02 Lynk Tower 4 deploys
01:20:42 YAM-5 deploys
01:21:48 NewSat 34 deploys
01:22:03 Albania 2 deploys
01:22:58 X22 deploys
01:23:04 X21 deploys
01:23:46 First Umbra deploys
01:23:50 Second Umbra deploys
01:24:47 NewSat 35 deploys
01:24:59 ION SCV-007 GLORIOUS GRATIA deploys
01:26:05 ION SCV-008 FIERCE FRANCISCUS deploys
01:26:11 Launcher Orbiter SN1 deploys
01:27:31 X27 deploys
01:27:34 Skykraft 1 deploys
01:28:10 Vigoride 5 deploys
01:28:54 CHIMERA LEO 1 deploys

01:31:10

EOS SAT-1 deploys