



SES-18 AND SES-19 MISSION

MISSION OVERVIEW

SpaceX is targeting Friday, March 17 for launch of the **SES-18 and SES-19 mission** to a geosynchronous transfer orbit from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Station in Florida. The 38-minute launch window opens at 7:38 p.m. ET (23:38 UTC). A backup launch opportunity is available on Saturday, March 18 with a 37-minute window opening at the same time.

The Falcon 9 first stage booster supporting this mission previously launched CRS-24, Eutelsat HOTBIRD 13F, OneWeb 1, and two Starlink missions. After stage separation, the first stage will land on the Just Read the Instructions dronship, which will be stationed in the Atlantic Ocean.

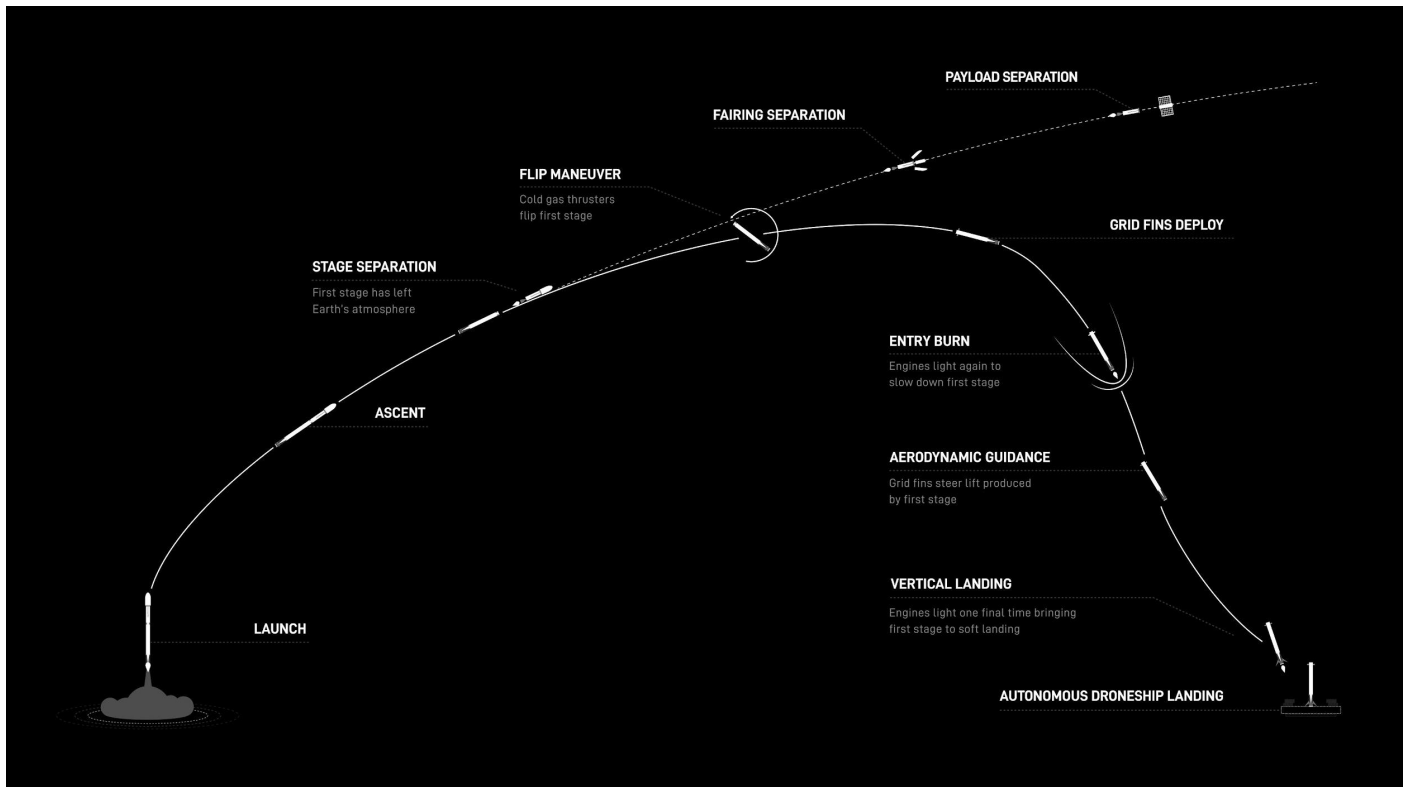
WEBCAST

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 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
00:01:12	Max Q (moment of peak mechanical stress on the rocket)
00:02:32	1st stage main engine cutoff (MECO)
00:02:36	1st and 2nd stages separate
00:02:44	2nd stage engine starts (SES-1)
00:03:21	Fairing deployment
00:06:36	1st stage entry burn begins
00:07:00	1st stage entry burn ends
00:08:17	2nd stage engine cutoff (SECO)
00:08:24	1st stage landing burn begins
00:08:45	1st stage landing
00:26:17	2nd stage engine starts (SES-2)
00:27:04	2nd stage engine cutoff (SECO-2)
00:32:15	SES-18 deploys
00:37:25	SES-19 deploys