

INTELSAT G-33/G-34 MISSION



MISSION OVERVIEW

SpaceX is targeting Thursday, October 6 for launch of the **Intelsat G-33/G-34** mission to a geosynchronous transfer orbit from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Station in Florida. The 67-minute launch window opens at 7:07 p.m. ET (23:07 UTC). A backup launch opportunity is available on Friday, October 7, and the 69-minute launch window opens at 7:06 p.m. ET (23:06 UTC).

The Falcon 9 first stage booster supporting this mission previously launched GPS III-3, Turksat 5A, Transporter-2, and 10 Starlink missions. After stage separation, the first stage will land on the A Shortfall of Gravitas droneship, which will be stationed in the Atlantic Ocean.

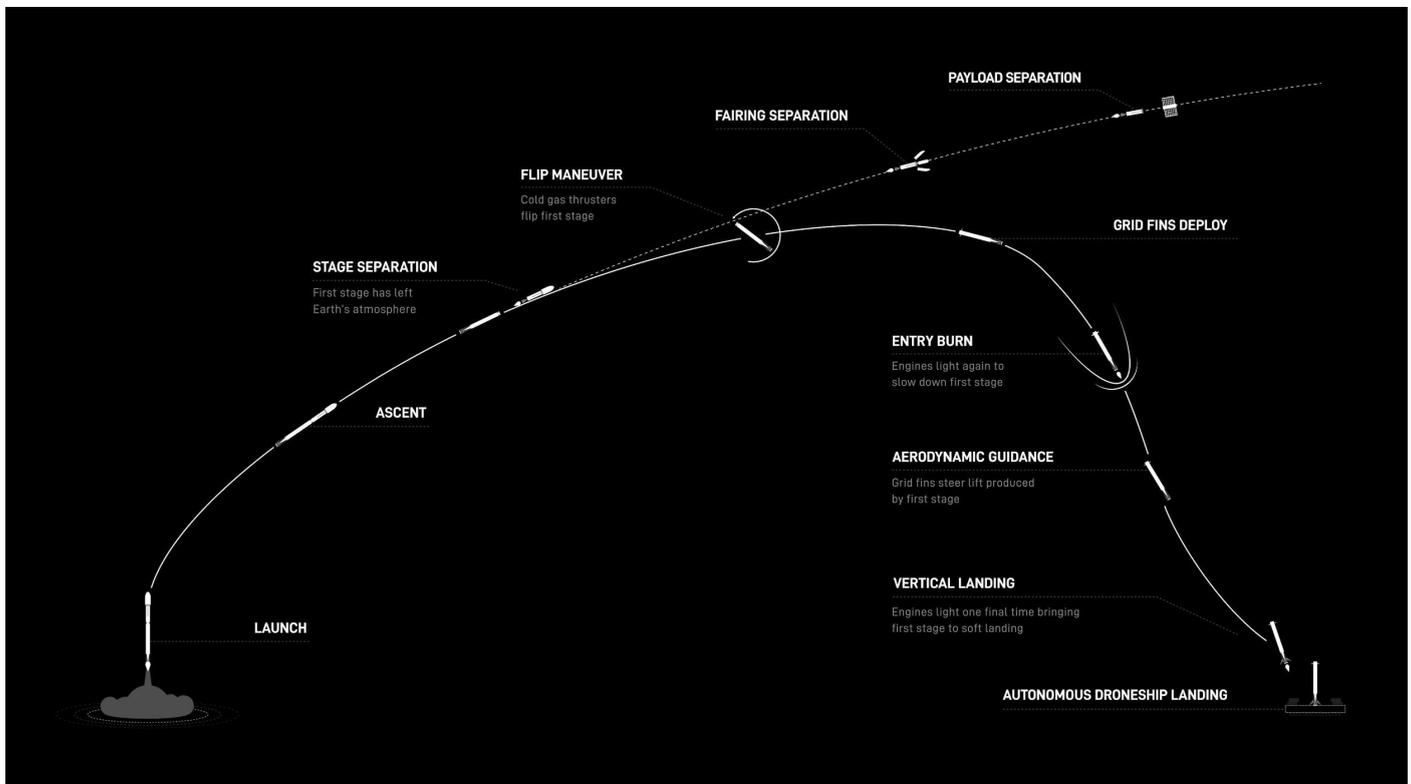
WEBCAST

[A live webcast of this mission](#) will begin about five 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)
00:02:33	1st stage main engine cutoff (MECO)
00:02:37	1st and 2nd stages separate
00:03:25	Fairing deployment
00:06:27	1st stage entry burn begins
00:06:48	1st stage entry burn completes
00:08:15	2nd stage engine cutoff (SECO)
00:08:18	1st stage landing burn begins
00:08:40	1st stage landing
00:26:19	2nd stage engine restarts (SES-2)
00:27:06	2nd stage engine cutoff (SECO-2)
00:32:57	Galaxy 33 deploys
00:38:07	Galaxy 34 deploys