



# VIASAT-3 AMERICAS MISSION

## MISSION OVERVIEW

SpaceX is targeting Sunday, April 30 for a Falcon Heavy launch of the **ViaSat-3 Americas mission** to geostationary orbit from Launch Complex 39A (LC-39A) at NASA's Kennedy Space Center in Florida. Also on board this mission is Astranis's first MicroGEO satellite and Gravity Space's GS-1 satellite. The 57-minute launch window opens at 7:29 p.m. ET (23:29 UTC).

One of the side boosters on this mission previously supported Arabsat-6A, STP-2, COSMO-SkyMed Second Generation FM2, KPLO, and three Starlink missions, and the second previously supported launch of Arabsat-6A and STP-2.

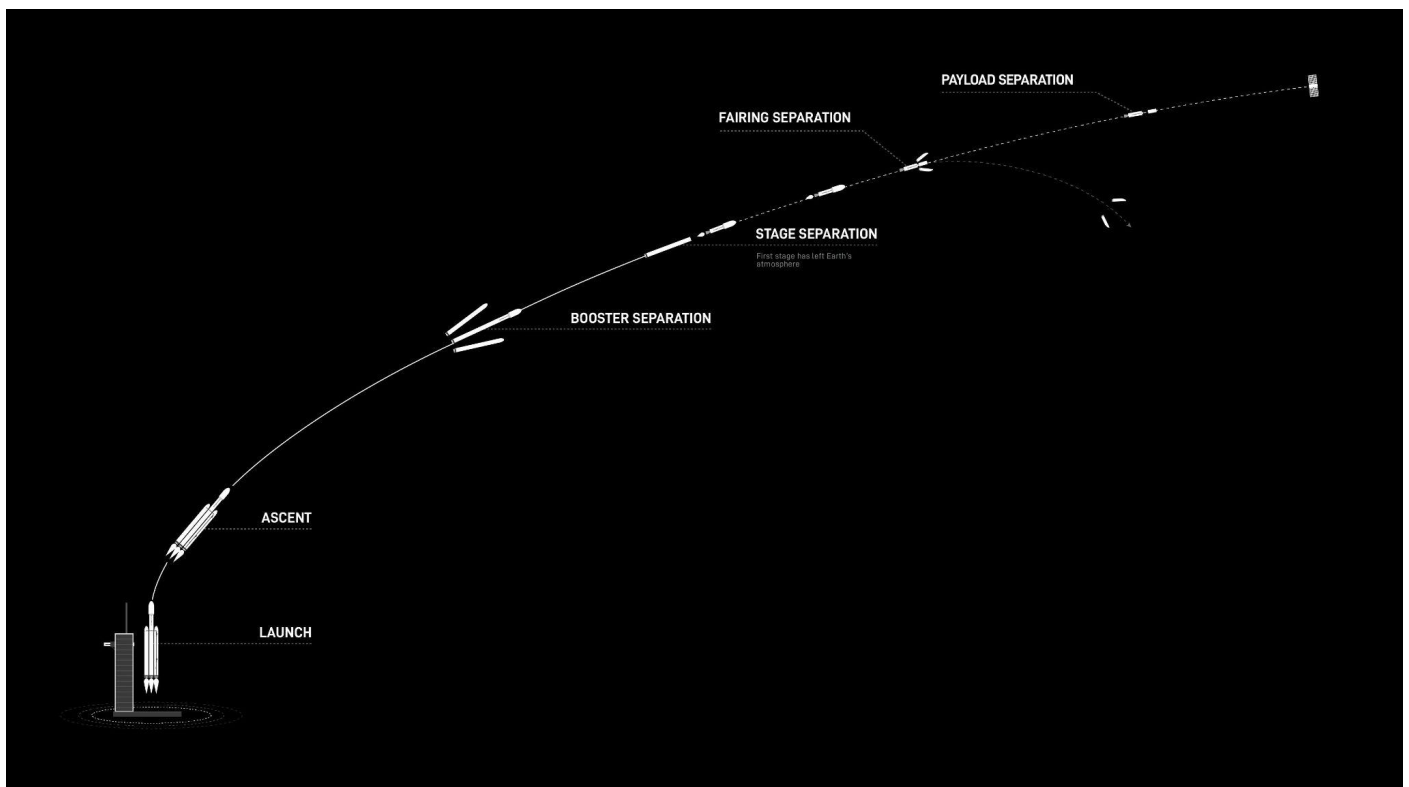
## WEBCAST

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

<b>Hr/Min/Sec</b>	<b>Event</b>
- 00:53:00	SpaceX Launch Director verifies go for propellant load
- 00:50:00	1st stage RP-1 (rocket grade kerosene) loading begins
- 00:45:00	1st stage LOX (liquid oxygen) loading begins
- 00:35:00	2nd stage RP-1 (rocket grade kerosene) loading begins
- 00:18:30	2nd stage LOX loading begins
- 00:07:00	Falcon Heavy begins engine chill
- 00:00:59	Flight computer commanded to begin final pre-launch checks
- 00:00:45	SpaceX Launch Director verifies go for launch
- 00:00:20	Propellant tanks pressurize for flight
- 00:00:06	Engine controller commands engine ignition sequence to start
- 00:00:00	Falcon Heavy liftoff

## LAUNCH, LANDING AND DEPLOYMENT

<b>Hr/Min/Sec</b>	<b>Event</b>
00:01:09	Max Q (moment of peak mechanical stress on the rocket)
00:03:05	Side booster engine cutoff (BECO)
00:03:08	Side boosters separate
00:04:13	1st stage main engine cutoff (MECO)
00:04:17	1st and 2nd stages separate
00:04:23	2nd stage engine starts (SES-1)
00:04:51	Fairing deployment
00:08:06	2nd stage engine cutoff (SECO-1)
00:29:42	2nd stage engine starts (SES-2)
00:31:46	2nd stage engine cutoff (SECO-2)
04:22:19	2nd stage engine starts (SES-3)
04:23:14	2nd stage engine cutoff (SECO-3)
04:32:15	ViaSat-3 Americas deploys
04:38:46	Gravity Space's GS-1 deploys
04:45:17	Astranis's first MicroGEO satellite deploys