



# TURKSAT 5A MISSION

## MISSION OVERVIEW

SpaceX is targeting Thursday, January 7 for launch of the [Turksat 5A mission](#) from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Station in Florida. The four-hour launch window opens at 8:28 p.m. EST, or 01:28 UTC on January 8, and a back-up opportunity is available on Friday, January 8, with a four-hour launch window opening at 8:28 p.m. EST, or 01:28 UTC on January 9.

Falcon 9's first stage booster previously supported launch of GPS III Space Vehicle 03 and two Starlink missions. Following stage separation, SpaceX will land Falcon 9's first stage on the Just Read the Instructions droneship, which will be stationed in the Atlantic Ocean. Falcon 9's fairing is also flight-proven: one half previously supported the GPS III Space Vehicle 03 mission and the other flew aboard the ANASIS-II mission.

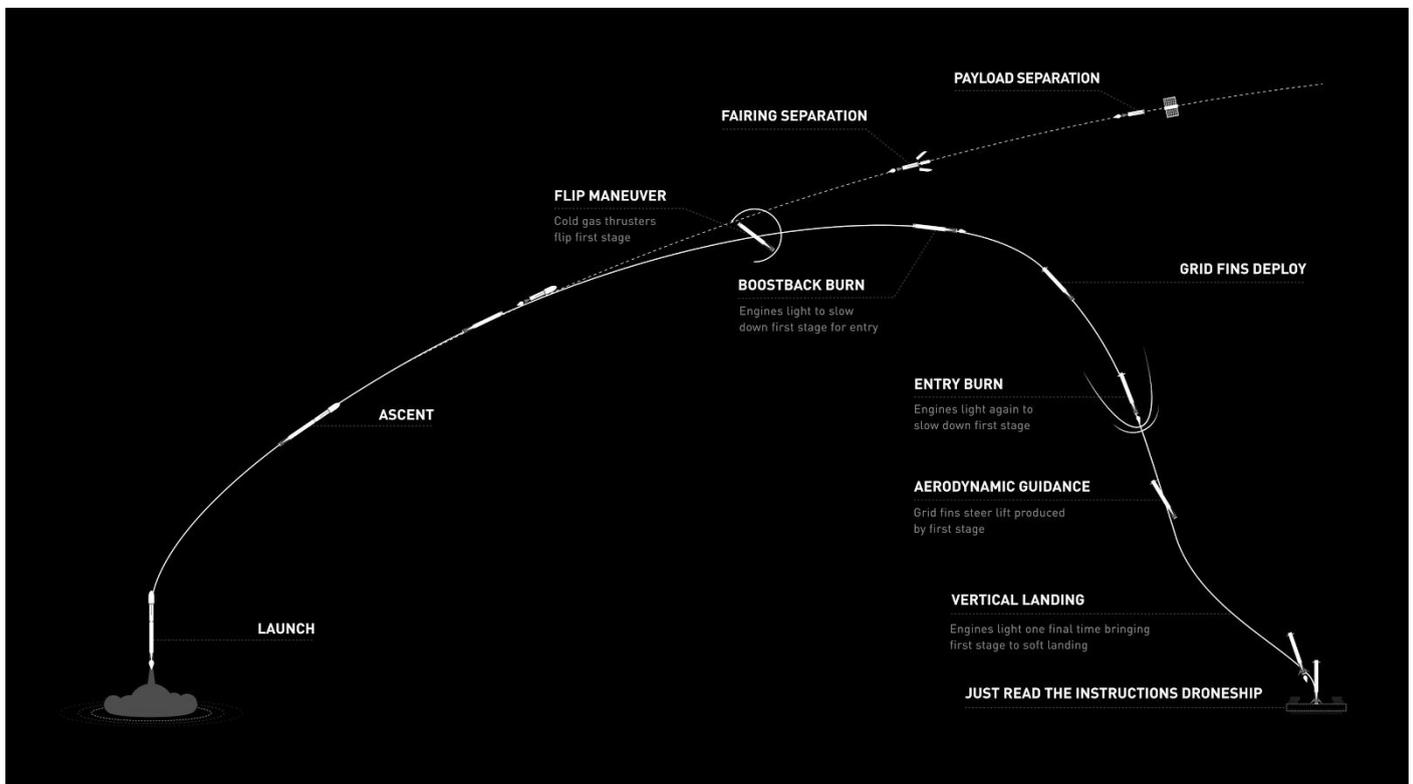
## WEBCAST

You can watch a live webcast of this mission, which will begin about 15 minutes prior to liftoff, [here](#).

## PHOTOS

High-resolution photos will be posted at [flickr.com/spacex](#).

## MISSION PROFILE



# MISSION TIMELINE (ALL TIMES APPROXIMATE)

## COUNTDOWN

<b>Hr/Min/Sec</b>	<b>Event</b>
- 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

<b>Hr/Min/Sec</b>	<b>Event</b>
00:01:12	Max Q (moment of peak mechanical stress on the rocket)
00:02:34	1st stage main engine cutoff (MECO)
00:02:38	1st and 2nd stages separate
00:02:46	2nd stage engine starts
00:03:37	Fairing deployment
00:06:17	1st stage entry burn begins
00:08:02	2nd stage engine cutoff (SECO)
00:08:28	1st stage landing
00:26:51	2nd stage engine restarts
00:28:03	2nd stage engine cutoff (SECO-2)
00:33:04	Turksat 5A deployment