

# STARLINK GROUP 6-4 MISSION



## MISSION OVERVIEW

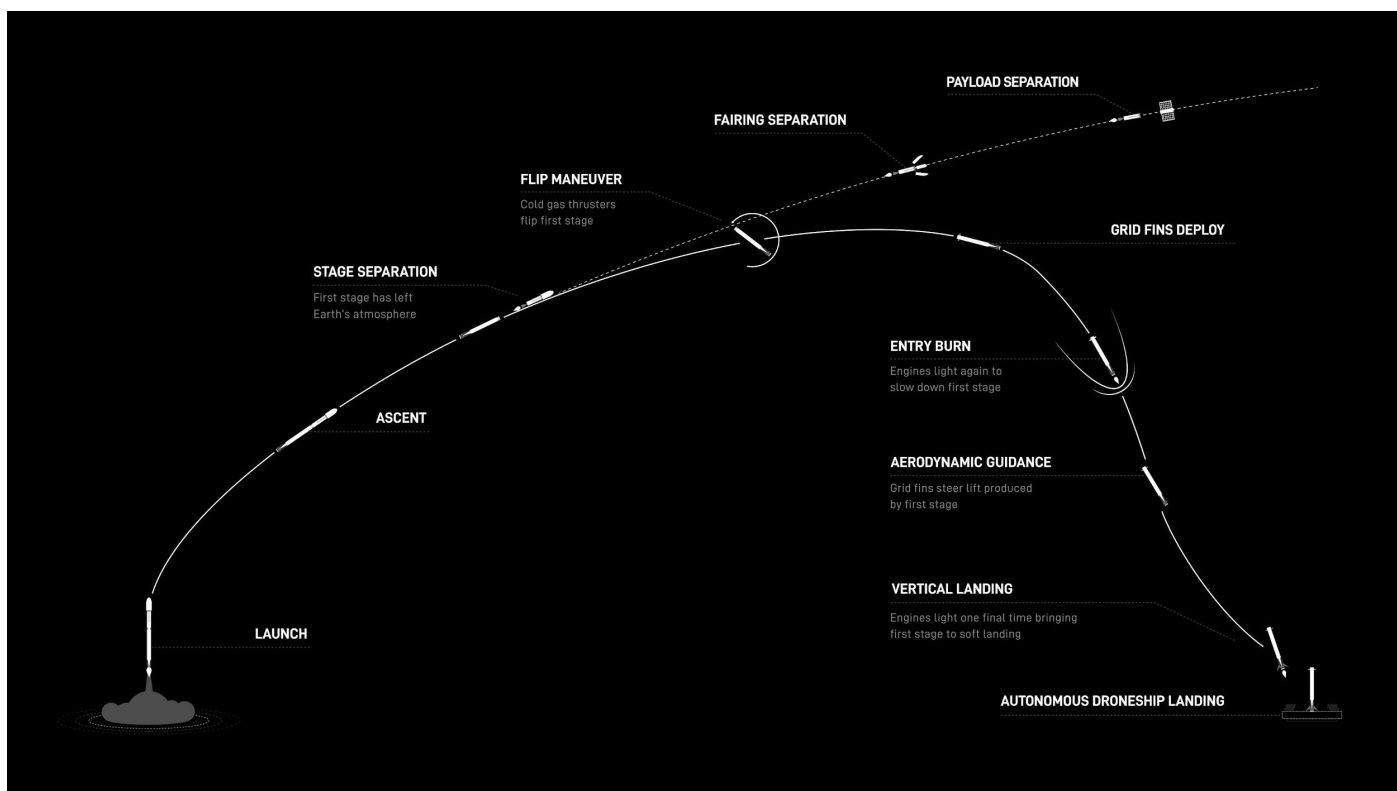
SpaceX is targeting Sunday, June 4 at 5:56 a.m. ET (09:56 UTC) for a Falcon 9 launch of 22 second-generation **Starlink** satellites to low-Earth orbit from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Station in Florida. If needed, there are additional launch opportunities the same day at 6:46 a.m. ET (10:46 UTC) and 7:36 a.m. ET (11:36 UTC). Backup opportunities are also available Monday, June 5 at 5:44 a.m. ET (09:44 UTC), 6:23 a.m. ET (10:23 UTC), and 8:04 a.m. ET (12:04 UTC).

## WEBCAST

A live webcast of this mission will begin about five minutes prior to liftoff.

The first stage booster supporting this mission previously launched Crew-6 and SES O3b mPOWER. Following stage separation, the first stage will land on the Just Read the Instructions droneship, which will be stationed in the Atlantic Ocean.

## 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 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

<b>Hr/Min/Sec</b>	<b>Event</b>
00:01:12	Max Q (moment of peak mechanical stress on the rocket)
00:02:32	1st stage main engine cutoff (MECO)
00:02:35	1st and 2nd stages separate
00:02:42	2nd stage engine starts (SES-1)
00:03:08	Fairing deployment
00:06:16	1st stage entry burn begins
00:06:34	1st stage entry burn ends
00:08:07	1st stage landing burn begins
00:08:28	1st stage landing
00:08:44	2nd stage engine cutoff (SECO-1)
00:54:22	2nd stage engine starts (SES-2)
00:54:24	2nd stage engine cutoff (SECO-2)
01:05:02	Starlink satellites deploy