

UPCOMING LAUNCH

# STARLINK MISSION

WATCH

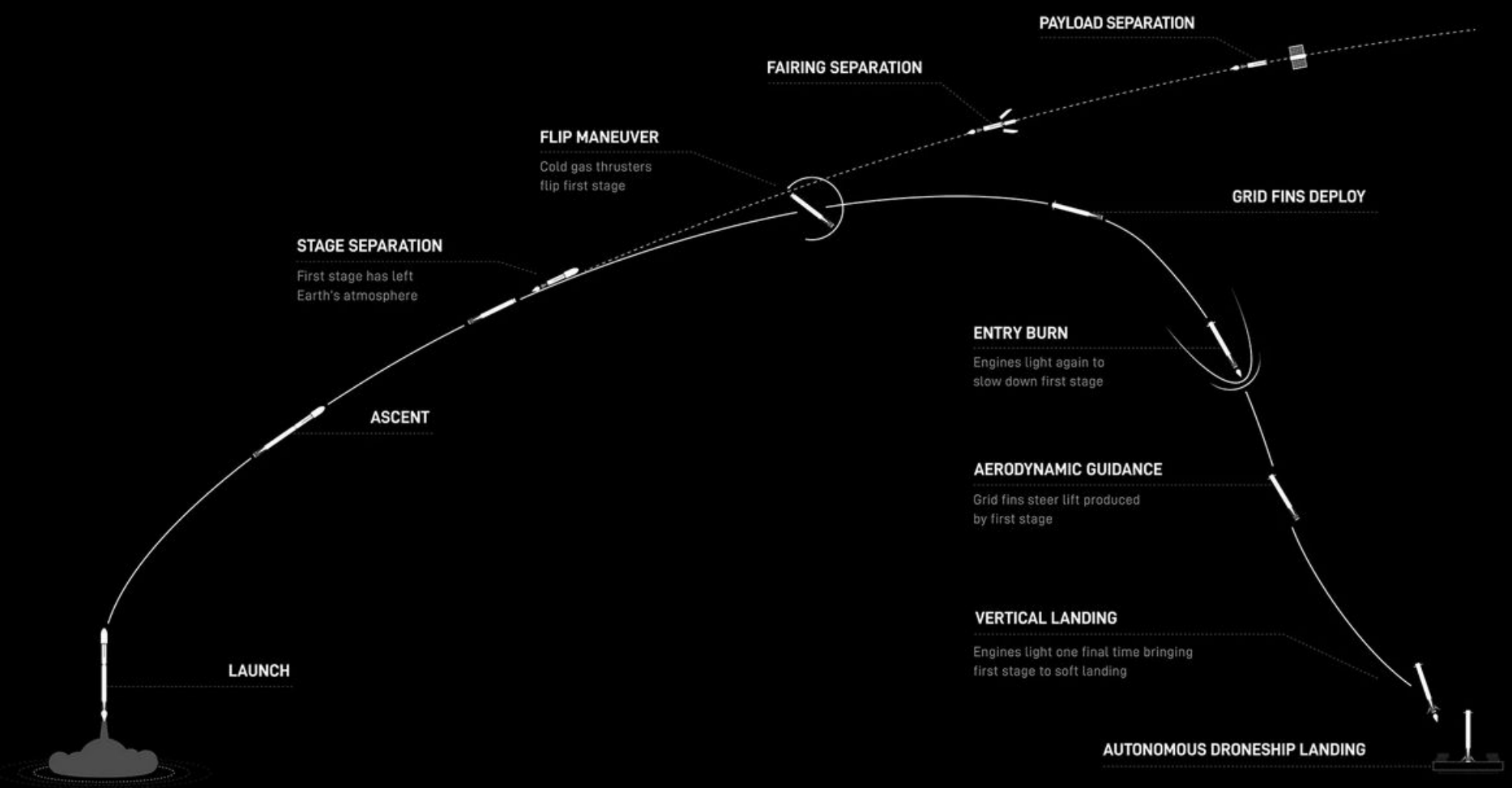
SpaceX is targeting Saturday, July 27 for a Falcon 9 launch of 23 **Starlink** satellites to low-Earth orbit from Launch Complex 39A (LC-39A) at NASA's Kennedy Space Center in Florida. Liftoff is targeted for 12:21 a.m. ET, with backup opportunities available until 4:21 a.m. ET. If needed, additional opportunities are also available on Sunday, July 28 starting at the same time.

A live webcast of this mission will begin about five minutes prior to liftoff, which you can watch here and on **X @SpaceX**.

This is the 17th flight for the first stage booster supporting this mission, which previously launched CRS-24, Eutelsat HOTBIRD 13F, OneWeb 1, SES-18 and SES-19, and 12 Starlink missions. Following stage separation, the first stage will land on the Just Read the Instructions dronship, which will be stationed in the Atlantic Ocean.

## 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

All Times Approximate

| HR/MIN/SEC | EVENT                                                  |
|------------|--------------------------------------------------------|
| 00:01:10   | Max Q (Moment of peak mechanical stress on the rocket) |
| 00:02:26   | 1st stage main engine cutoff (MECO)                    |
| 00:02:30   | 1st and 2nd stages separate                            |
| 00:02:36   | 2nd stage engine starts (SES-1)                        |
| 00:02:57   | Fairing deployment                                     |
| 00:06:05   | 1st stage entry burn begins                            |
| 00:06:28   | 1st stage entry burn ends                              |
| 00:07:46   | 1st stage landing burn begins                          |
| 00:08:14   | 1st stage landing                                      |
| 00:08:39   | 2nd stage engine cutoff (SECO-1)                       |
| 00:54:40   | 2nd stage engine starts (SES-2)                        |
| 00:54:42   | 2nd stage engine cutoff (SECO-2)                       |
| 01:03:34   | Starlink satellites deploy                             |