



DECEMBER 11, 2025

# STARLINK MISSION

WATCH →

On Thursday, December 11 at 5:01 p.m. ET, Falcon 9 launched 29 [Starlink](#) satellites to low-Earth orbit from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Station in Florida.

This was the 16th flight for the first stage booster supporting this mission, which previously launched Crew-8, Polaris Dawn, CRS-31, Astranis: From One to Many, IM-2, Commercial GTO-1, and now 10 Starlink missions. Following stage separation, the first stage landed on the Just Read the Instructions droneship, which was stationed in the Atlantic Ocean.

## COUNTDOWN

| HR/MIN/SEC | EVENT  |
|------------|--|
| 00:38:00   | SPACE X 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   | SPACE X 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  |
|------------|--|
| 00:01:12   | MAX Q (MOMENT OF PEAK MECHANICAL STRESS ON THE ROCKET) |
| 00:02:24   | 1ST STAGE MAIN ENGINE CUTOFF (MECO)                    |
| 00:02:27   | 1ST AND 2ND STAGES SEPARATE                            |
| 00:02:35   | 2ND STAGE ENGINE STARTS (SES-1)                        |
| 00:02:56   | FAIRING SEPARATION                                     |
| 00:06:07   | 1ST STAGE ENTRY BURN BEGINS                            |
| 00:06:34   | 1ST STAGE ENTRY BURN ENDS                              |
| 00:07:58   | 1ST STAGE LANDING BURN BEGINS                          |
| 00:08:22   | 1ST STAGE LANDING                                      |
| 00:08:38   | 2ND STAGE ENGINE CUTOFF (SECO-1)                       |
| 00:53:55   | 2ND STAGE ENGINE STARTS (SES-2)                        |
| 00:53:57   | 2ND STAGE ENGINE CUTOFF (SECO-2)                       |
| 01:05:02   | STARLINK SATELLITES DEPLOY                             |

