

# STARLINK GROUP 2-6 MISSION



## MISSION OVERVIEW

SpaceX is targeting Sunday, January 29 at 8:47 a.m. PT (16:47 UTC) for a Falcon 9 launch of 49 **Starlink** satellites and D-Orbit's ION SCV009 Eclectic Elena to low-Earth orbit from Space Launch Complex 4 East (SLC-4E) at Vandenberg Space Force Base in California. If needed, there is an additional launch opportunity the same day at 12:45 p.m. PT (20:45 UTC) with backup opportunities also available on Monday, January 30 at 8:34 a.m. PT (16:34 UTC) and 12:31 p.m. PT (20:31 UTC).

## WEBCAST

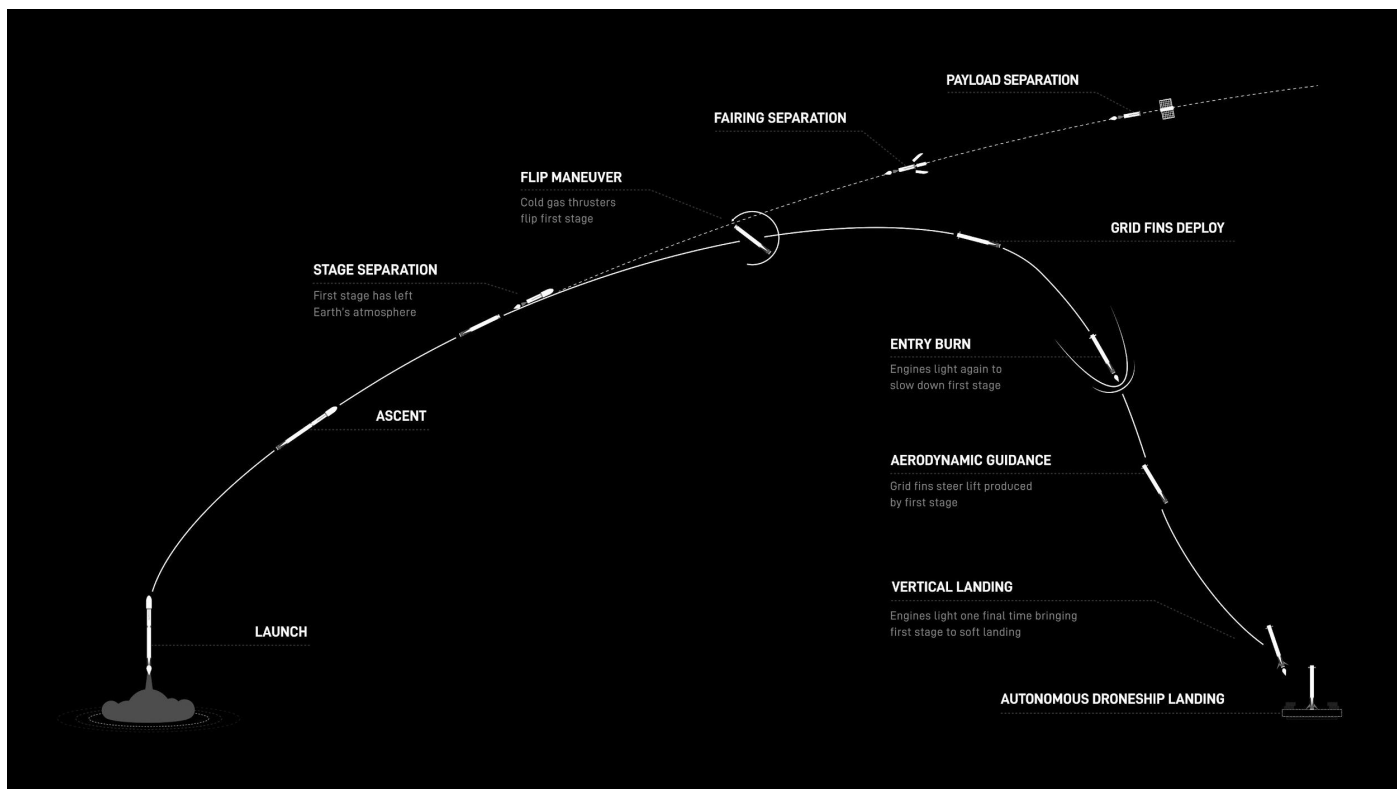
A live webcast of this mission will begin about five minutes prior to liftoff.

## PHOTOS

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

The first stage booster supporting this mission previously launched NROL-87, NROL-85, SARah-1, SWOT, and two Starlink missions. Following stage separation, the first stage will land on the Of Course I Still Love You dronship stationed in the Pacific 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)
00:02:27	1st stage main engine cutoff (MECO)
00:02:31	1st and 2nd stages separate
00:02:38	2nd stage engine starts (SES-1)
00:03:08	Fairing deployment
00:06:21	1st stage entry burn begins
00:06:40	1st stage entry burn ends
00:08:12	1st stage landing burn begins
00:08:32	1st stage landing
00:08:37	2nd stage engine cutoff (SECO-1)
00:53:25	2nd stage engine starts (SES-2)
00:53:27	2nd stage engine cutoff (SECO-2)
00:57:28	D-Orbit's ION SCV009 Eclectic Elena deploys
01:17:03	Starlink satellites deploy