



IRIDIUM ONEWEB MISSION

MISSION OVERVIEW

SpaceX is targeting Friday, May 19 at 6:19 a.m. PT (13:19 UTC) for launch of the **Iridium OneWeb mission** to a low-Earth orbit from Space Launch Complex 4 East (SLC-4E) at Vandenberg Space Force Base in California. A backup launch opportunity is available on Saturday, May 20 at 6:15 a.m. PT (13:15 UTC).

The Falcon 9 first stage booster supporting this mission previously launched Sentinel-6 Michael Freilich, DART, Transporter-7, and seven Starlink missions. After stage separation, the first stage will land on the Of Course I Still Love You droneship, which will be stationed in the Pacific Ocean.

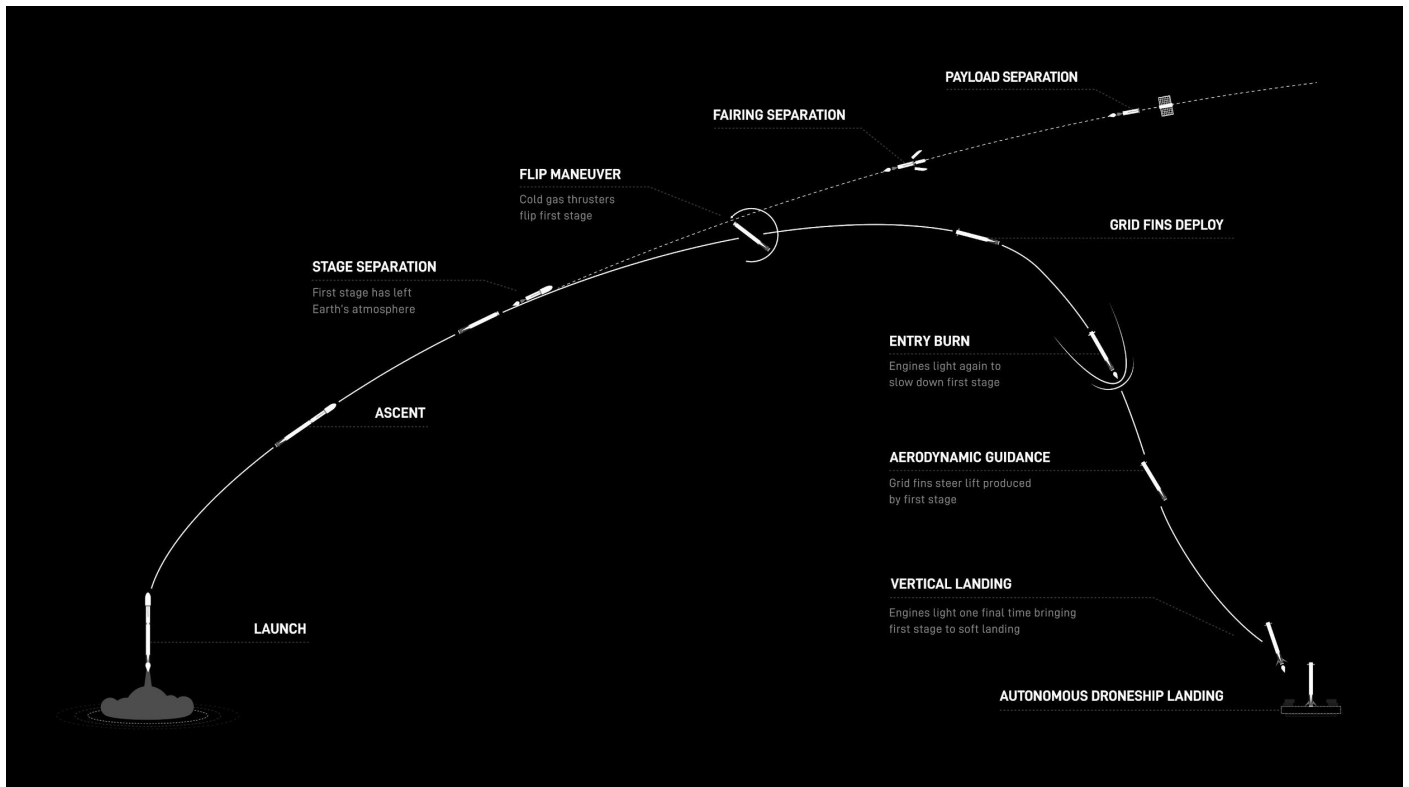
WEBCAST

A live webcast of this mission will begin about 15 minutes prior to liftoff.

PHOTOS

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

MISSION PROFILE



MISSION TIMELINE (ALL TIMES APPROXIMATE)

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

Hr/Min/Sec	Event
00:01:12	Max Q (moment of peak mechanical stress on the rocket)
00:02:33	1st stage main engine cutoff (MECO)
00:02:36	1st and 2nd stages separate
00:02:44	2nd stage engine starts (SES-1)
00:03:13	Fairing deployment
00:06:45	1st stage entry burn begins
00:07:09	1st stage entry burn completes
00:08:29	1st stage landing burn begins
00:08:41	2nd stage engine cutoff (SECO-1)
00:08:52	1st stage landing
00:55:09	2nd stage engine starts (SES-2)
00:55:13	2nd stage engine cutoff (SECO-2)
00:59:17	Deployment of first Iridium satellite
01:01:28	Deployment of second Iridium satellite
01:02:02	Deployment of third Iridium satellite
01:02:49	Deployment of fourth Iridium satellite
01:04:30	Deployment of fifth Iridium satellite