

UPCOMING LAUNCH

STARLINK MISSION

WATCH

SpaceX is targeting Sunday, February 9 for a Falcon 9 launch of 23 **Starlink** satellites to low-Earth orbit from Space Launch Complex 4 East (SLC-4E) at Vandenberg Space Force Base in California. Liftoff is targeted for 4:03 p.m. PT, with backup opportunities available until 8:03 p.m. PT. If needed, additional launch opportunities are also available Monday, February 10 starting 3:41 p.m. PT.

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

This is the 23rd flight for the first stage booster supporting this mission, which previously launched NROL-153, NROL-87, NROL-85, SARah-1, SWOT, Transporter-8, Transporter-9, NROL-146, Bandwagon-2, and 13 Starlink missions. Following stage separation, the first stage will land on the Of Course I Still Love You droneship, which will be stationed in the Pacific Ocean.

There is the possibility that residents of Santa Barbara, San Luis Obispo, and Ventura counties may hear one or more sonic booms during the launch, but what residents experience will depend on weather and other conditions.

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
00:01:07	Max Q (Moment of peak mechanical stress on the rocket)
00:02:25	1st stage main engine cutoff (MECO)
00:02:29	1st and 2nd stages separate
00:02:36	2nd stage engine starts (SES-1)
00:02:57	Fairing deployment
00:06:03	1st stage entry burn begins
00:06:27	1st stage entry burn ends
00:07:47	1st stage landing burn begins
00:08:10	1st stage landing
00:08:39	2nd stage engine cutoff (SECO-1)
00:54:24	2nd stage engine starts (SES-2)
00:54:25	2nd stage engine cutoff (SECO-2)
01:01:47	Starlink satellites deploy