

STARLINK GROUP 5-2 MISSION



MISSION OVERVIEW

SpaceX is targeting Thursday, January 26 at 4:32 a.m. ET (9:32 UTC) for a Falcon 9 launch of 56 **Starlink** satellites to low-Earth orbit from Space Launch Complex 40 at Cape Canaveral Space Force Station in Florida. If needed, there is an additional launch opportunity the same day at 6:13 a.m. ET (11:13 UTC) with backup opportunities also available on Friday, January 27 at 3:57 a.m. ET (8:57 UTC) and 5:38 a.m. ET (10:38 UTC).

The first stage booster supporting this mission previously launched CRS-22, Crew-3, Turksat 5B, Crew-4, CRS-25, Eutelsat HOTBIRD 13G, mPOWER-a and one Starlink mission. Following stage separation, the first stage will land on the Just Read the Instructions droneship, which will be stationed in the Atlantic Ocean.

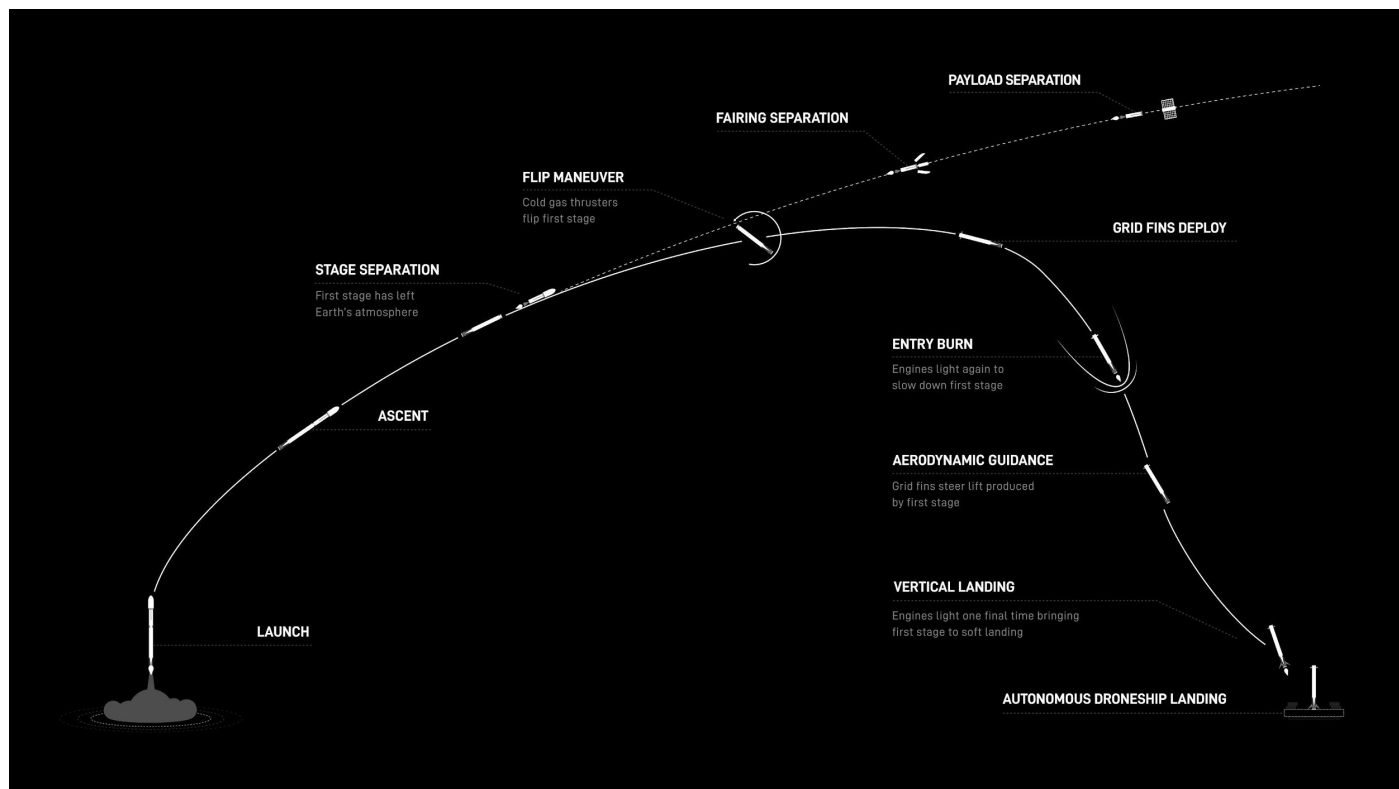
WEBCAST

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/).

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)
00:02:28	1st stage main engine cutoff (MECO)
00:02:31	1st and 2nd stages separate
00:02:38	2nd stage engine starts (SES-1)
00:02:42	Fairing deployment
00:06:42	1st stage entry burn begins
00:07:00	1st stage entry burn ends
00:08:23	1st stage landing burn begins
00:08:43	2nd stage engine cutoff (SECO-1)
00:08:44	1st stage landing
00:18:49	Starlink satellites deploy