

STARLINK GROUP 5-5 MISSION



MISSION OVERVIEW

SpaceX is targeting Friday, March 24 at 11:33 a.m. ET (15:33 UTC) for a Falcon 9 launch of 56 **Starlink** satellites to low-Earth orbit from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Station in Florida. If needed, there are additional launch opportunities the same day at 1:14 p.m. ET (17:14 UTC) and 2:55 p.m. ET (18:55 UTC). Backup opportunities are also available on Saturday, March 25 at 11:08 a.m. ET (15:08 UTC), 12:49 p.m. ET (16:49 UTC), and 2:30 p.m. ET (18:30 UTC).

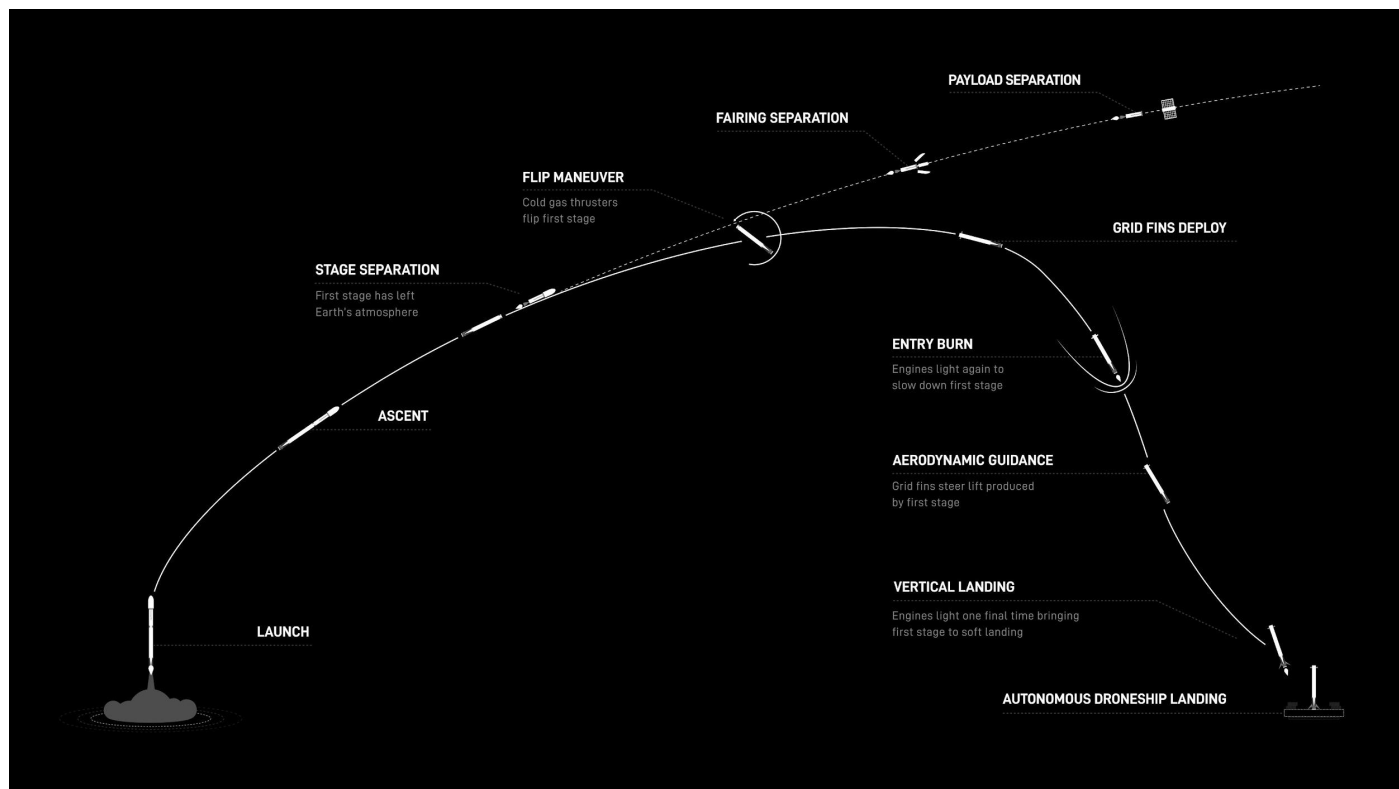
WEBCAST

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/).

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)
00:02:27	1st stage main engine cutoff (MECO)
00:02:31	1st and 2nd stages separate
00:02:37	2nd stage engine starts (SES-1)
00:02:45	Fairing deployment
00:06:11	1st stage entry burn begins
00:06:30	1st stage entry burn ends
00:08:05	1st stage landing burn begins
00:08:26	1st stage landing
00:08:40	2nd stage engine cutoff (SECO-1)
00:54:28	2nd stage engine starts (SES-2)
00:54:30	2nd stage engine cutoff (SECO-2)
01:05:16	Starlink satellites deploy