

STARLINK GROUP 5-6 MISSION



MISSION OVERVIEW

SpaceX is targeting Thursday, May 4 at 3:34 a.m. ET (07:34 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 4:25 a.m. ET (08:25 UTC), 5:15 a.m. ET (09:15 UTC), and 6:06 a.m. ET (10:06 UTC). Backup opportunities are also available on Friday, May 5 at 3:09 a.m. ET (07:09 UTC), 4:00 a.m. ET (08:00 UTC), 4:50 a.m. ET (08:50 UTC), 5:41 a.m. ET (09:41 UTC), and 6:31 a.m. ET (10:31 UTC).

WEBCAST

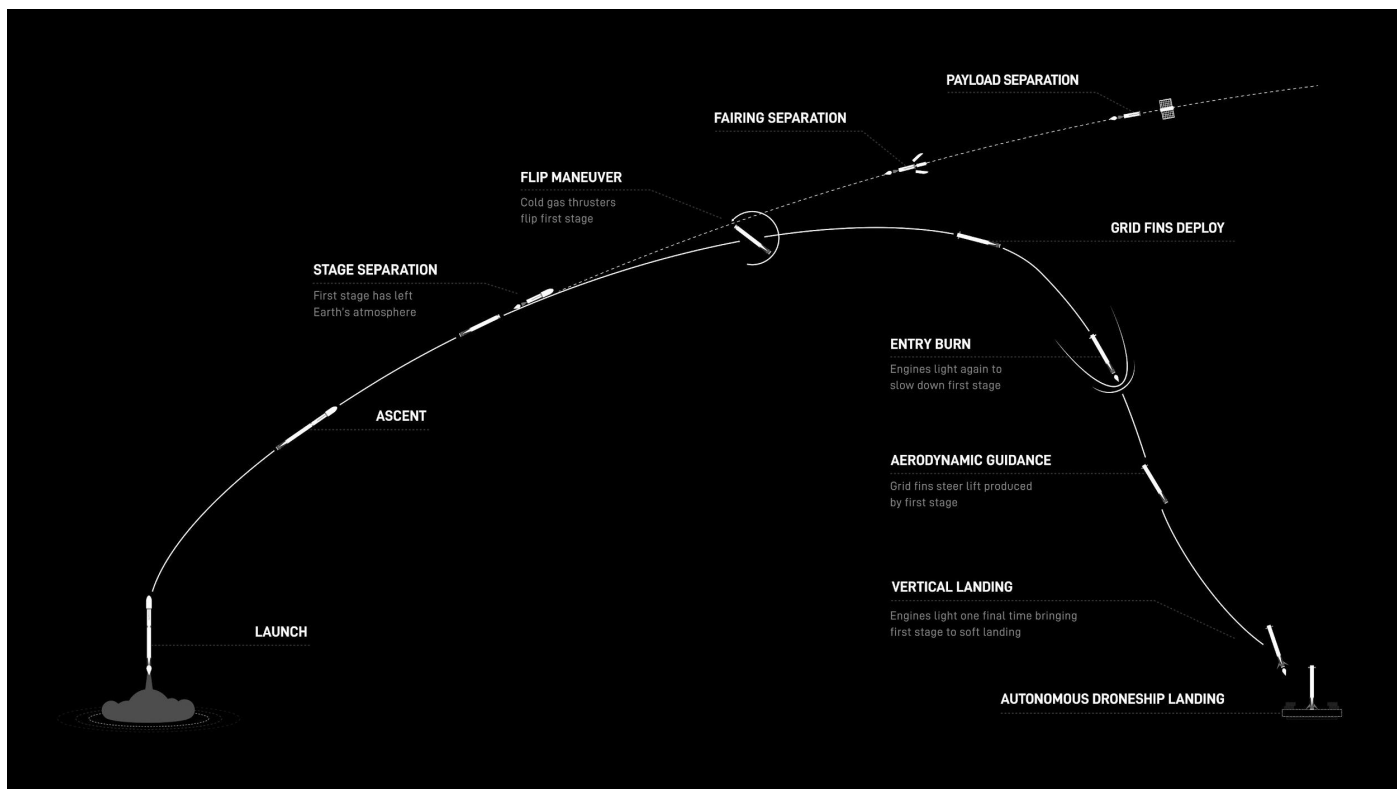
A live webcast of this mission will begin about five minutes prior to liftoff.

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 CRS-24, Eutelsat HOTBIRD 13F, OneWeb 1, SES-18 and SES-19, and two Starlink missions. Following stage separation, the first stage will land on the A Shortfall of Gravitas droneship, which will be stationed in the Atlantic Ocean.

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)
00:02:46	Fairing deployment
00:06:12	1st stage entry burn begins
00:06:32	1st stage entry burn ends
00:08:09	1st stage landing burn begins
00:08:30	1st stage landing
00:08:40	2nd stage engine cutoff (SECO-1)
00:54:03	2nd stage engine starts (SES-2)
00:54:05	2nd stage engine cutoff (SECO-2)
01:04:51	Starlink satellites deploy