

STARLINK GROUP 6-3 MISSION



MISSION OVERVIEW

SpaceX is targeting Friday, May 19 at 12:41 a.m. ET (04:41 UTC) for a Falcon 9 launch of 22 second-generation **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 1:31 a.m. ET (05:31 UTC), 2:19 a.m. ET (06:19 UTC), and 3:09 a.m. ET (07:09 UTC). Backup opportunities are also available Saturday, May 20 at 12:27 a.m. ET (04:27 UTC), 1:06 a.m. ET (05:06 UTC), 2:02 a.m. ET (06:02 UTC), and 2:48 a.m. ET (06:48 UTC).

WEBCAST

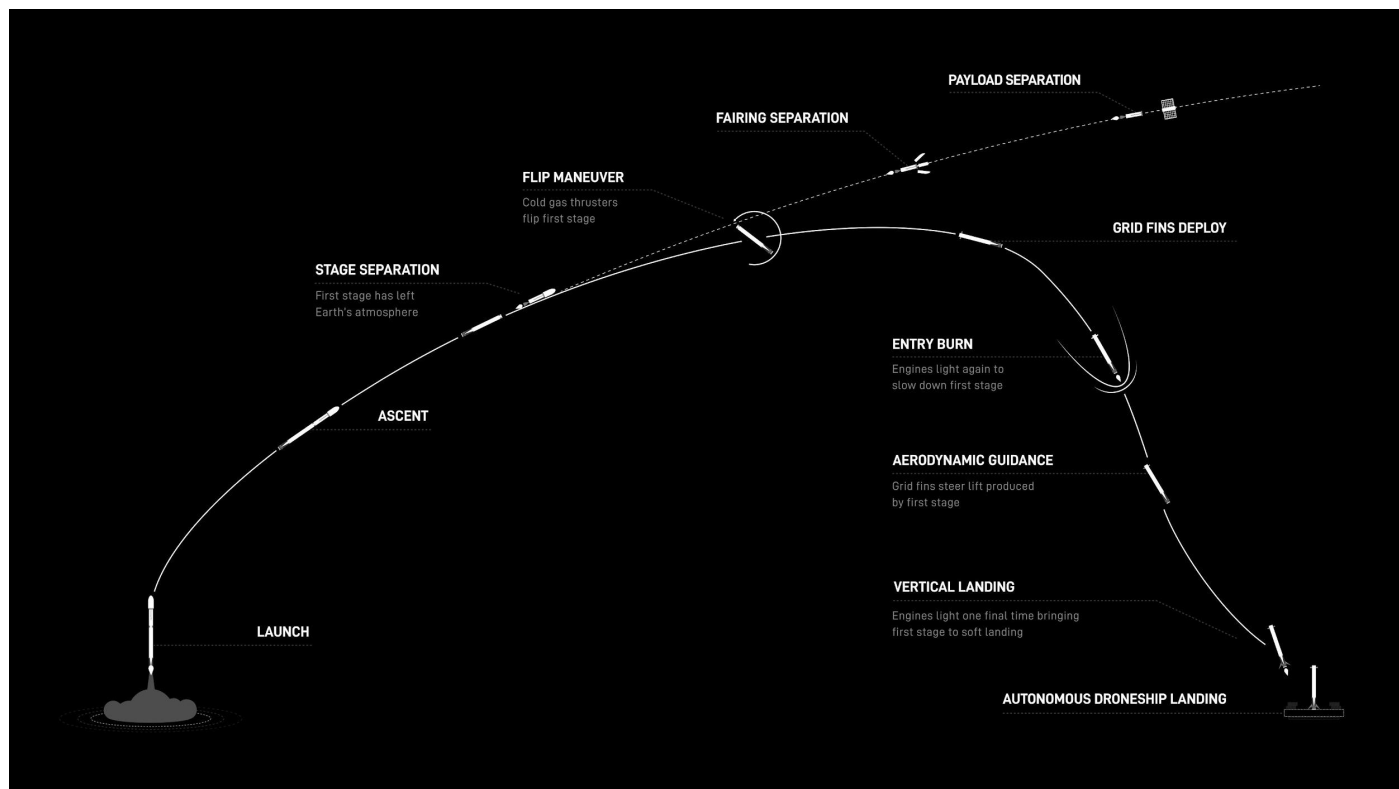
A live webcast of this mission will begin about five minutes prior to liftoff.

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-26, OneWeb Launch 16, Intelsat IS-40e, and one Starlink mission. Following stage separation, the first stage will land on the A Shortfall of Gravitass dronship, 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)
00:02:26	1st stage main engine cutoff (MECO)
00:02:30	1st and 2nd stages separate
00:02:37	2nd stage engine starts (SES-1)
00:03:06	Fairing deployment
00:06:10	1st stage entry burn begins
00:06:30	1st stage entry burn ends
00:08:00	1st stage landing burn begins
00:08:23	1st stage landing
00:08:39	2nd stage engine cutoff (SECO-1)
00:54:16	2nd stage engine starts (SES-2)
00:54:18	2nd stage engine cutoff (SECO-2)
01:04:56	Starlink satellites deploy