

#### WEBCAST

You can watch a live webcast of this mission, which will begin about 15 minutes prior to liftoff, by clicking here.

#### **PHOTOS**

High-resolution photos will be posted at <u>flickr.com/spacex</u>.

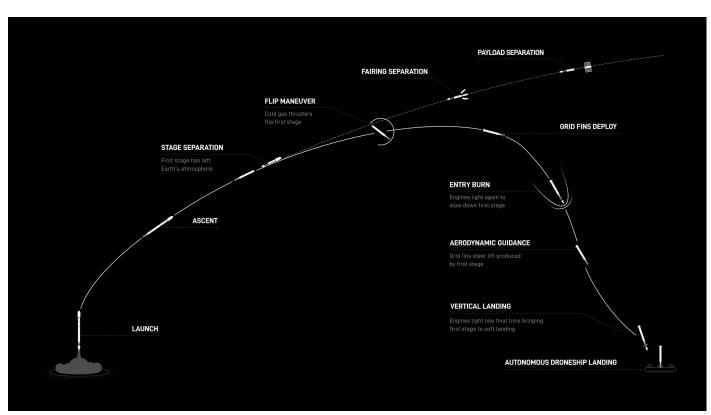
## STARLINK-24 MISSION

#### MISSION OVERVIEW

SpaceX is targeting Wednesday, April 7 for launch of 60 <u>Starlink</u> satellites from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Station in Florida. The instantaneous window is at 12:34 p.m. EDT, or 16:34 UTC, and a backup opportunity is available on Thursday, April 8 at 12:12 p.m. EDT, or 16:12 UTC.

The Falcon 9 first stage rocket booster supporting this mission previously supported launch of NASA astronauts Bob Behnken and Doug Hurley to the International Space Station, ANASIS-II, CRS-21, Transporter-1, and two Starlink missions. Following stage separation, SpaceX will land Falcon 9's first stage on the "Of Course I Still Love You" droneship, which will be located in the Atlantic Ocean. One half of Falcon 9's fairing previously supported launch of AMOS-17 and two Starlink missions, and the other previously supported a Starlink mission.

#### **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 underway
- 00:35:00	1st stage LOX (liquid oxygen) loading underway
- 00:16:00	2nd stage LOX loading underway
- 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)
00:02:32	1st stage main engine cutoff (MECO)
00:02:36	1st and 2nd stages separate
00:02:44	2nd stage engine starts
00:03:03	Fairing deployment
00:06:57	1st stage entry burn complete
00:08:39	1st stage landing
00:08:46	2nd stage engine cutoff (SECO-1)
00:45:39	2nd stage engine restarts
00:45:40	2nd stage engine cutoff (SECO-2)
01:03:56	Starlink satellites deploy