SES-22 MISSION

MISSION OVERVIEW

SpaceX is targeting Wednesday, June 29 for launch of **SES-22** to a geosynchronous transfer orbit from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Station in Florida. The two-hour launch window opens at 5:04 p.m. ET, 21:04 UTC. A backup launch opportunity is available on Thursday, June 30 with the same window.

The Falcon 9 first stage booster supporting this mission previously supported the launch of one Starlink mission. After stage separation, the first stage will land on the A Shortfall of Gravitas droneship, which will be stationed in the Atlantic Ocean.
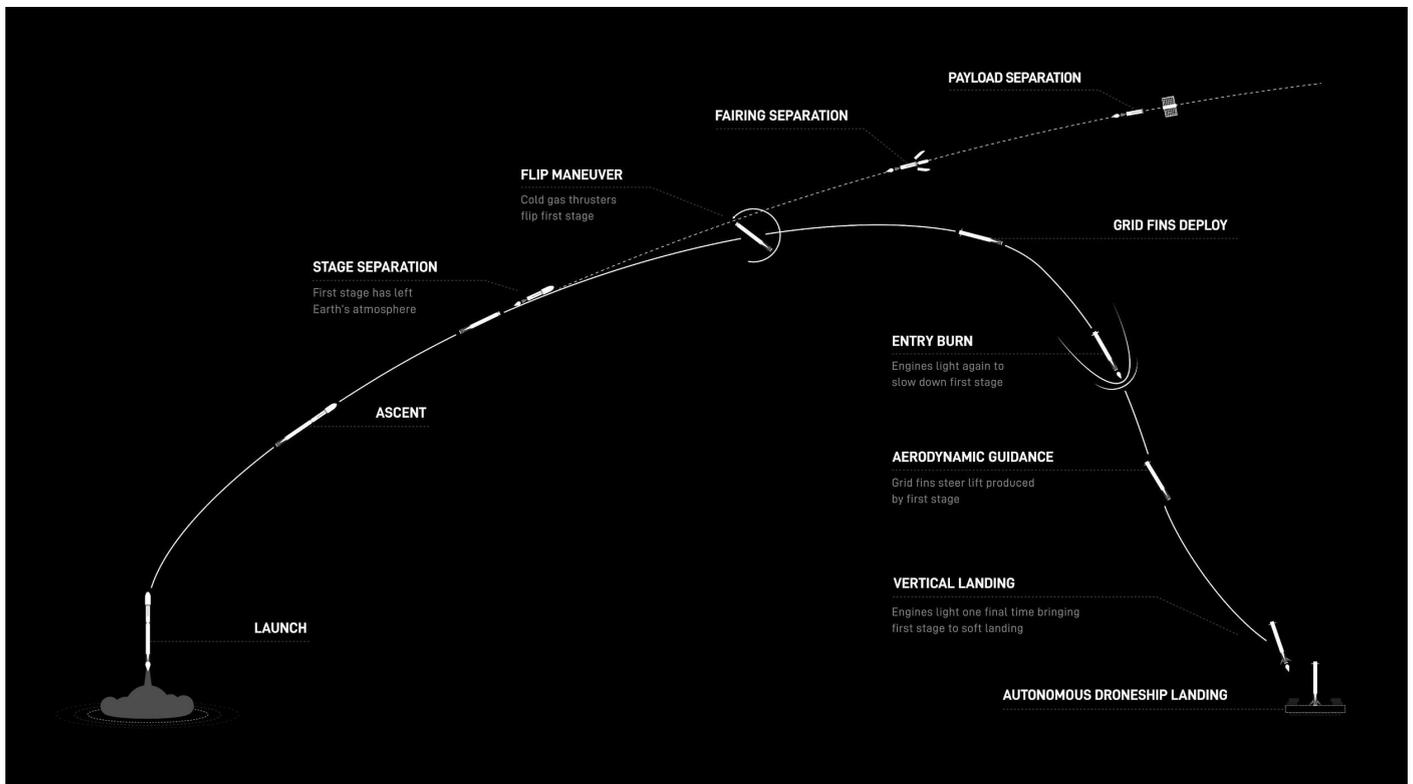
WEBCAST

A live webcast of this mission will begin about 10 minutes prior to liftoff.

PHOTOS

High-resolution photos will be posted at flickr.com/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)
00:02:30	1st stage main engine cutoff (MECO)
00:02:33	1st and 2nd stages separate
00:02:41	2nd stage engine starts (SES-1)
00:03:24	Fairing deployment
00:06:16	1st stage entry burn begins
00:06:42	1st stage entry burn complete
00:08:02	2nd stage engine cutoff (SECO)
00:08:07	1st stage landing burn begins
00:08:34	1st stage landing
00:27:08	2nd stage engine restarts (SES-2)
00:28:15	2nd stage engine cutoff (SECO-2)
00:33:26	SES-22 deploys