



USSF-44 MISSION

MISSION OVERVIEW

SpaceX is targeting Tuesday, November 1 at 9:41 a.m. ET (13:41 UTC) for Falcon Heavy's launch of the **USSF-44 mission** to a geosynchronous Earth orbit from Launch Complex 39A (LC-39A) at Kennedy Space Center in Florida. A backup launch opportunity is available on Wednesday, November 2 at 9:37 a.m. ET (13:37 UTC).

Following booster separation, Falcon Heavy's two side boosters will land at SpaceX's Landing Zones 1 and 2 (LZ-1 and LZ-2) at Cape Canaveral Air Force Station in Florida.

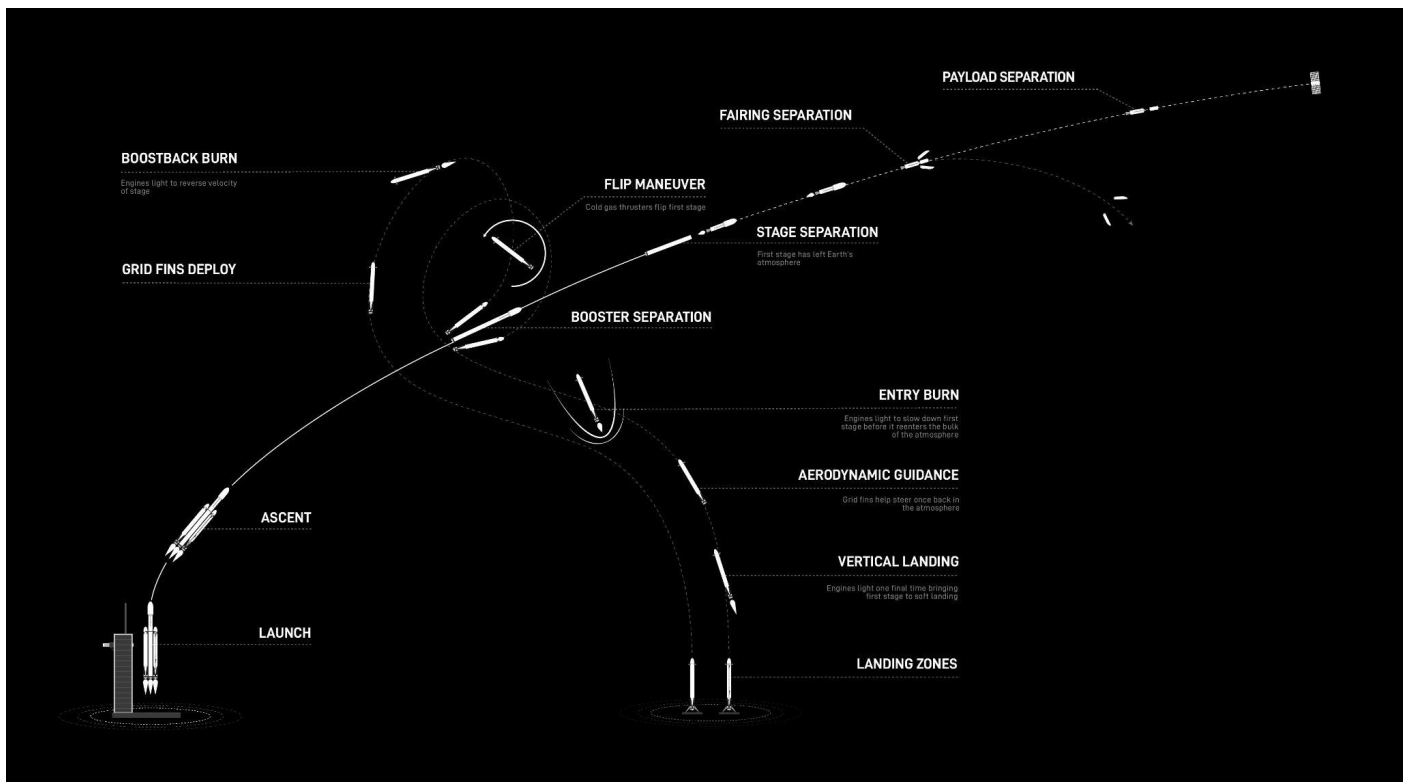
WEBCAST

[A live webcast of this mission](#) will begin about 15 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
- 00:53:00	SpaceX Launch Director verifies go for propellant load
- 00:50:00	1st stage and side boosters RP-1 (rocket grade kerosene) loading begins
- 00:45:00	1st stage and side boosters LOX (liquid oxygen) loading begins
- 00:35:00	2nd stage RP-1 (rocket grade kerosene) loading begins
- 00:18:30	2nd stage LOX loading begins
- 00:07:00	Falcon Heavy begins engine chill
- 00:00:59	Flight computer commanded to begin final pre-launch checks
- 00:00:45	SpaceX Launch Director verifies go for launch
- 00:00:20	Propellant tanks pressurize for flight
- 00:00:06	Engine controller commands engine ignition sequence to start
- 00:00:00	Falcon Heavy liftoff

LAUNCH, LANDING AND DEPLOYMENT

Hr/Min/Sec	Event
00:01:11	Max Q (moment of peak mechanical stress on the rocket)
00:02:24	Side boosters engine cutoff (BECO)
00:02:28	Side boosters separate
00:02:45	Side boosters boostback burns start
00:03:53	Side boosters boostback burns end
00:03:54	1st stage main engine cutoff (MECO)
00:03:58	Center core 1st and 2nd stages separate
00:04:04	2nd stage engine starts
00:04:18	Fairing deployment
00:06:48	Side boosters entry burns start
00:07:03	Side boosters entry burns complete
00:08:00	Side boosters landing burns start
00:08:11	Side boosters landing