



INMARSAT I-6 F2 MISSION

MISSION OVERVIEW

SpaceX is targeting Friday, February 17 for launch of the **Inmarsat I-6 F2 mission** to orbit from Space Launch Complex 40 at Cape Canaveral Space Force Station in Florida. The 89-minute launch window opens at 10:59 p.m. ET (03:59 UTC on February 18). If needed, a backup opportunity is available on Saturday, February 18 with the same window.

The first stage booster supporting this mission previously launched Crew-5 and GPS III Space Vehicle 06. Following stage separation, the first stage will land on the Just Read the Instructions dronship, which will be stationed in the Atlantic Ocean.

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/).

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)
00:02:31	1st stage main engine cutoff (MECO)
00:02:35	1st and 2nd stages separate
00:02:36	2nd stage engine starts (SES-1)
00:03:23	Fairing deploy
00:06:20	1st stage entry burn begins
00:06:49	1st stage entry burn ends
00:08:09	2nd stage engine cutoff (SECO-1)
00:08:12	1st stage landing burn begins
00:08:42	1st stage landing
00:26:10	2nd stage engine starts (SES-2)
00:27:13	2nd stage engine cutoff (SECO-2)
00:32:14	Inmarsat's I-6 F2 deploys