

OCTOBER 23, 2025

SPAINSAT NG II MISSION

WATCH →

On Thursday, October 23 at 9:30 p.m. ET, Falcon 9 launched the [SpainSat NG II](#) mission to geosynchronous transfer orbit from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Station in Florida.

This was the 22nd and final flight for the Falcon 9 first stage booster supporting this mission, which previously launched CRS-26, OneWeb Launch 16, Intelsat IS-40e, SES O3b mPOWER-C, Ovzon-3, Eutelsat 26D, Turksat 6A, Maxar 2, SXM-9, and 12 Starlink missions.

COUNTDOWN

HR/MIN/SEC	EVENT
00:38:00	SPACE X 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	SPACE X LAUNCH DIRECTOR VERIFIES GO FOR LAUNCH
00:00:03	ENGINE CONTROLLER COMMANDS ENGINE IGNITION SEQUENCE TO START
00:00:00	FALCON 9 LIFTOFF

LAUNCH AND DEPLOYMENT

All Times Approximate

HR/MIN/SEC	EVENT
00:01:12	MAX Q (MOMENT OF PEAK MECHANICAL STRESS ON THE ROCKET)
00:02:39	1ST STAGE MAIN ENGINE CUTOFF (MECO)
00:02:42	1ST AND 2ND STAGES SEPARATE
00:02:49	2ND STAGE ENGINE STARTS (SES-1)
00:03:35	FAIRING SEPARATION
00:07:58	2ND STAGE ENGINE CUTOFF (SEC0-1)
00:26:51	2ND STAGE ENGINE STARTS (SES-2)
00:27:55	2ND STAGE ENGINE CUTOFF (SEC0-2)
00:34:10	SPAINSAT NG II DEPLOYS