

NOVEMBER 11, 2025 10:18 - 11:15 PT

# TRANSPORTER-15 MISSION

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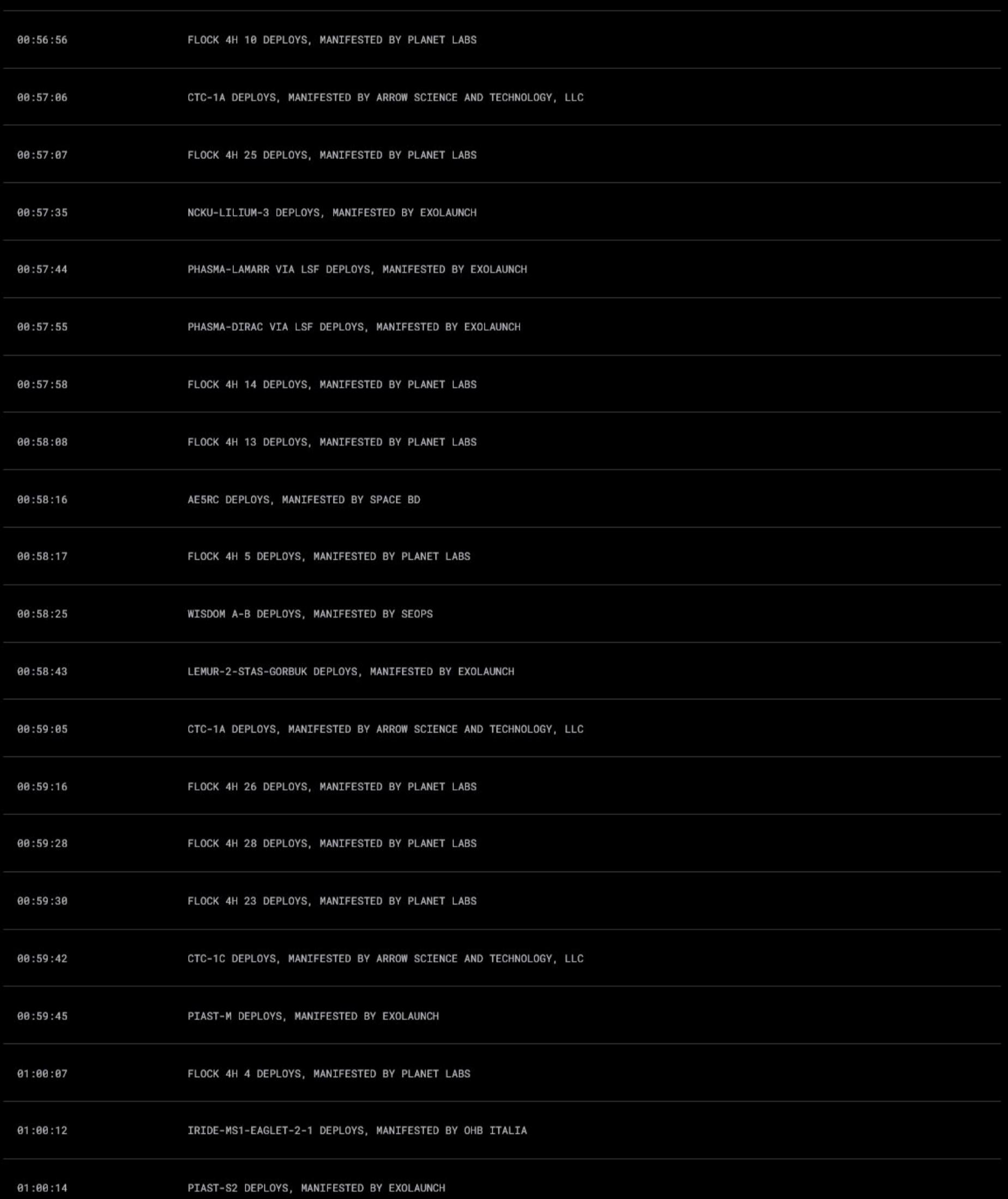
SpaceX is targeting Tuesday, November 11 for Falcon 9's launch of the Transporter-15 mission to low-Earth orbit from Space Launch Complex 4E (SLC-4E) at Vandenberg Space Force Base in California. The 57-minute launch window opens at 10:18 a.m. PT. If needed, there is a backup opportunity on Wednesday, November 13 at the same time.

This will be the 30th flight for the first stage booster supporting this mission which previously launched NROL-67, NROL-85, SARah-1, SWOT, Transporter-8, Transporter-9, NROL-146, Bandwagon-2, NROL-153, NROL-192, Transporter-14, and 18 Starlink missions. Following stage separation, Falcon 9 will land on the Of Course I Still Love You drone ship stationed in the Pacific Ocean.

A live webcast of this mission will begin about 15 minutes prior to liftoff, which you can watch here and on [@SpaceX](#). You can also watch the webcast on the X TV app.

## 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
00:00:43	ENGINE CONTROLLER COMMANDS ENGINE IGNITION SEQUENCE TO START
00:00:00	FALCON 9 LIFTOFF



## LAUNCH, LANDING, AND DEPLOYMENT

All Times Approximate

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)
00:02:32	1ST AND 2ND STAGES SEPARATE
00:02:40	2ND STAGE ENGINE STARTS (SES-1)
00:03:24	FAIRING SEPARATION
00:06:07	1ST STAGE ENTRY BURN BEGINS
00:06:33	1ST STAGE ENTRY BURN ENDS
00:08:02	1ST STAGE LANDING BURN BEGINS
00:08:21	2ND STAGE ENGINE CUTOFF (SECO-1)
00:08:26	1ST STAGE LANDING
00:15:03	2ND STAGE ENGINE STARTS (SES-2)
00:15:07	2ND STAGE ENGINE CUTOFF (SECO-2)
00:15:39	TORO2 DEPLOYS, MANIFESTED BY EXOLAUNCH
00:15:42	BRO-17 DEPLOYS, MANIFESTED BY EXOLAUNCH
00:15:49	IHI-SAT 2 DEPLOYS, MANIFESTED BY EXOLAUNCH
00:15:53	BRO-28 DEPLOYS, MANIFESTED BY EXOLAUNCH
00:15:58	PHI-1 DEPLOYS, MANIFESTED BY EXOLAUNCH
00:15:58	BLACK KITE-1 DEPLOYS, MANIFESTED BY EXOLAUNCH
00:15:58	TRYAD-2 DEPLOYS, MANIFESTED BY SEOPS
00:15:58	LEMUR-2-LAILA DEPLOYS, MANIFESTED BY SEOPS
00:15:58	HUNTY, SART 1, SARI 2, AND ANISO DEPLOYS, MANIFESTED BY SEOPS
00:15:58	LEMUR-2-DEANANDMAEVE DEPLOYS, MANIFESTED BY EXOLAUNCH
00:15:58	DRORATECH GENA-DT-1 DEPLOYS, MANIFESTED BY EXOLAUNCH
00:15:58	LEMUR-2-THEODOR DEPLOYS, MANIFESTED BY EXOLAUNCH
00:15:58	NCKU-LILIMUM-2 DEPLOYS, MANIFESTED BY EXOLAUNCH
00:15:58	LUNA-1 DEPLOYS, MANIFESTED BY EXOLAUNCH
00:15:58	6GSTARLAB DEPLOYS, MANIFESTED BY EXOLAUNCH
00:15:58	ACCENTURE-1 DEPLOYS, MANIFESTED BY EXOLAUNCH
00:15:58	SPEQTURE DEPLOYS, MANIFESTED BY SPACE BD
00:15:58	GYEONGGISAT-1 DEPLOYS, MANIFESTED BY EXOLAUNCH
00:15:58	DTTER AND HCT-SAT2 DEPLOYS, MANIFESTED BY EXOLAUNCH
00:15:58	FLEDGLING VEERY V8.5 (VEERY-90) AND SPIN-2 DEPLOYS, MANIFESTED BY EXOLAUNCH
00:15:58	TRYAD-1 DEPLOYS, MANIFESTED BY SEOPS
00:15:58	PW-5U DEPLOYS, MANIFESTED BY SEOPS
00:15:58	T-MICROSAT-1 VIA TRON FUTURE TECH DEPLOYS, MANIFESTED BY EXOLAUNCH
00:15:58	MICE-1 DEPLOYS, MANIFESTED BY EXOLAUNCH
00:15:58	FLOCK 4H 18 DEPLOYS, MANIFESTED BY PLANET LABS
00:15:58	CTC-1A DEPLOYS, MANIFESTED BY ARROW SCIENCE AND TECHNOLOGY, LLC
00:15:58	FLOCK 4H 25 DEPLOYS, MANIFESTED BY PLANET LABS
00:15:58	NCKU-LILIMUM-3 DEPLOYS, MANIFESTED BY EXOLAUNCH
00:15:58	PHASMA-LAMARR VIA LSF DEPLOYS, MANIFESTED BY EXOLAUNCH
00:15:58	PHASMA-DIRAC VIA LSF DEPLOYS, MANIFESTED BY EXOLAUNCH
00:15:58	FLOCK 4H 14 DEPLOYS, MANIFESTED BY PLANET LABS
00:15:58	FLOCK 4H 13 DEPLOYS, MANIFESTED BY PLANET LABS
00:15:58	AESRC DEPLOYS, MANIFESTED BY SPACE BD
00:15:58	FLOCK 4H 20 DEPLOYS, MANIFESTED BY PLANET LABS
00:15:58	FLOCK 4H 19 DEPLOYS, MANIFESTED BY PLANET LABS
00:15:58	FLOCK 4H 24 DEPLOYS, MANIFESTED BY PLANET LABS
00:15:58	FLOCK 4H 20 DEPLOYS, MANIFESTED BY PLANET LABS
00:15:58	FLOCK 4H 17 DEPLOYS, MANIFESTED BY PLANET LABS
00:15:58	FLOCK 4H 21 DEPLOYS, MANIFESTED BY PLANET LABS
00:15:58	FLOCK 4H 1 DEPLOYS, MANIFESTED BY PLANET LABS
00:15:58	FLOCK 4H 6 DEPLOYS, MANIFESTED BY PLANET LABS
00:15:58	FLOCK 4H 8 DEPLOYS, MANIFESTED BY PLANET LABS
00:15:58	FLOCK 4H 12 DEPLOYS, MANIFESTED BY PLANET LABS
00:15:58	FLOCK 4H 11 DEPLOYS, MANIFESTED BY PLANET LABS
00:15:58	ICEYE 4 DEPLOYS, MANIFESTED BY EXOLAUNCH
00:15:58	ICEYE 3 DEPLOYS, MANIFESTED BY EXOLAUNCH
00:15:58	NEWSAT 52 DEPLOYS, MANIFESTED BY SATELLOGIC
00:15:58	LEO EXPRESS 3 DEPLOYS, MANIFESTED BY INPILE SPACE
00:15:58	ACI-003 DEPLOYS, MANIFESTED BY EXOLAUNCH
00:15:58	ICEYE 1 DEPLOYS, MANIFESTED BY EXOLAUNCH
00:15:58	YAM-9 DEPLOYS, MANIFESTED BY EXOLAUNCH
00:15:58	UMTRA-11 DEPLOYS, MANIFESTED BY UMTRA
00:15:58	PELICAN-6 DEPLOYS, MANIFESTED BY PLANET LABS
00:15:58	PELICAN-5 DEPLOYS, MANIFESTED BY PLANET LABS
00:15:58	NEWSAT 47 DEPLOYS, MANIFESTED BY SATELLOGIC
00:15:58	ACI-001 DEPLOYS, MANIFESTED BY EXOLAUNCH
00:15:58	MERCURY ONE DEPLOYS, MANIFESTED BY EXOLAUNCH
00:15:58	FGN-TUC-S91 DEPLOYS, MANIFESTED BY PERSONA
00:15:58	ICEYE 5 DEPLOYS, MANIFESTED BY EXOLAUNCH
00:15:58	ION SCV GALACTIC GIORGIUS DEPLOYS, MANIFESTED BY IMPULSO SPACE
00:15:58	HYDROGNS-2 DEPLOYS, MANIFESTED BY EXOLAUNCH
00:15:58	ACI-002 DEPLOYS, MANIFESTED BY EXOLAUNCH
00:15:58	NEWSAT 51 DEPLOYS, MANIFESTED BY SATELLOGIC
00:15:58	ION SCV STELLAR STEPHANUS DEPLOYS, MANIFESTED BY D-ORBIT
00:15:58	W-SERIES 5 DEPLOYS, MANIFESTED BY VARDIA
00:15:58	ICEYE 2 DEPLOYS, MANIFESTED BY EXOLAUNCH
00:15:58	2ND STAGE ENGINE STARTS (SES-3)
00:15:58	2ND STAGE ENGINE CUTOFF (SECO-3)
00:15:58	2ND STAGE ENGINE STARTS (SES-4)
00:15:58	2ND STAGE ENGINE CUTOFF (SECO-4)
00:15:58	FORMOSAT-8A DEPLOYS, MANIFESTED BY TASA
00:15:58	2ND STAGE ENGINE STARTS (SES-5)
00:15:58	2ND STAGE ENGINE CUTOFF (SECO-5)
00:15:58	REALIZING RAPID, REDUCED-COST HIGH-RISK RESEARCH (RS) DEPLOYS, MANIFESTED BY NASA'S CUBESAT LAUNCH INITIATIVE